

2018 - 2019  
CATALOG



# YUEI





# YUEI

Always at your foot “YUEI”

YUEICASTER overwhelming mobility and the highest quality.

[ We challenge ourselves with new materials and new structures ]

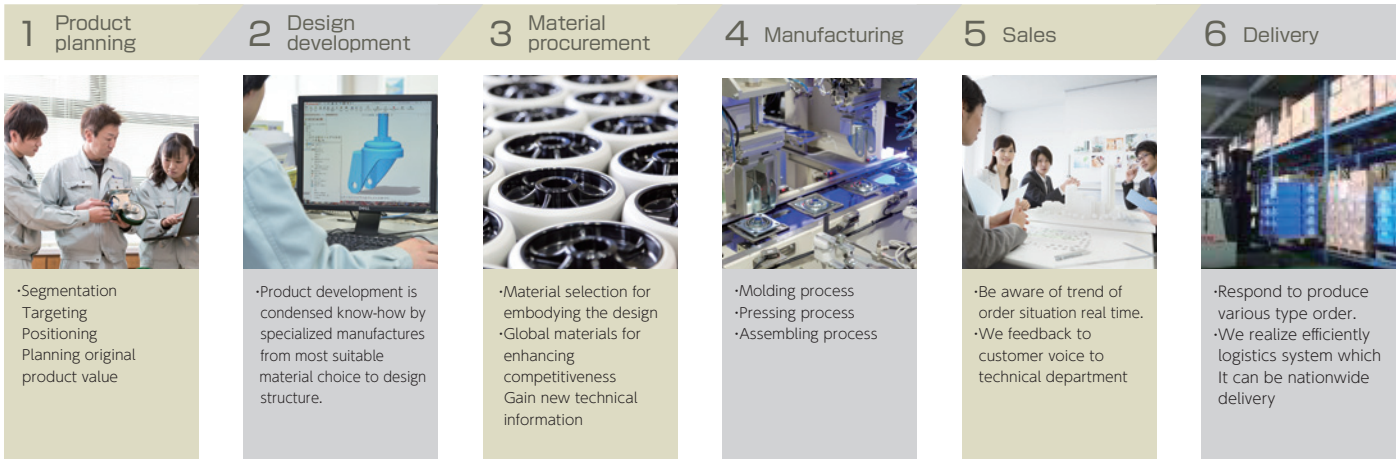
[ Our product development is one step ahead of other caster wheel manufactures. ]

[ Reliable testing to guarantee high quality ]

YUEICASTER is responding to customer requests spanning the industrial equipment logistics and housing infrastructure industries with innovative technology.



# Production system which create new value.



YUEICASTER produces the mold, the pressed parts, and the wheel itself, formulated through the injection of plastic. We have evolved into a synthetic caster wheel manufacturer able to produce everything from the constituent parts to the final product.

## NEXT STAGE IoT solution

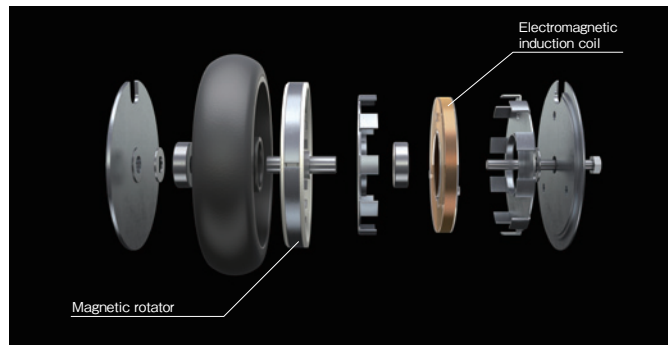
### Mobility development



Energy harvesting  
(Energy harvesting technology)  
No Batteries



ultra-low power wireless communication technology  
Control of various information about moving distance and location information.



1999 Acquired ISO9002:1994 Certification (Nara Nukatabe Factory)

Established Nara Ikezawa Factory in Yamatokoriyama city, Nara

Expanded assembly line to flexibly respond to customers' needs. To realize supply goods speedily, we established Nara Ikezawa Factory.

Relocated Head Office to 1-8-39 Honjo-Nishi, Higashi-Osaka city, Osaka

Moved the new head office to the foundation "Higashi Osaka". Improve management system to support manufacturing that is viewing through customer's eyes firstly and "inspired by consumer insight".

Reconstructed Nara Ikezawa Factory Migrated ISO9001:2008 Certification (Nara Nukatabe Factory, Nara Ikezawa Factory)

Acquired ISO14001:2004 Certification

2014 Established YUEI CASTER(SUZHOU) CO., LTD. in Suzhou, China

To promote the development and sales of casters which is suitable for the needs from various countries, we established Suzhou factory as a local subsidiary in China.

**Celebrating 40th anniversary Step up to the NEXT STAGE!!**





Top Brand of Industrial Caster  
YUEI



Suitable material for load capacity, application and environment  
YUEI CASTER just fit on workplace

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**LIGHTSTAR**

For Light Duty

**LOCKSTAR**

Easy Lock

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**MIDDLESTAR**

For Medium Duty

**SMOOSTAR**

Shock Absorbing

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**HEAVYSTAR**

For Heavy Duty

**SILENTSTAR**

Silence

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**OFFICESTAR**

For Office Equipment

**LEADSTAR**

For Towing

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**SHORTSTAR**

For Low Profile

**STAINLESTAR**

Stainless Steel

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## LIGHTSTAR

Small turn, light, easiness.  
Compact model sticking to ease of use.



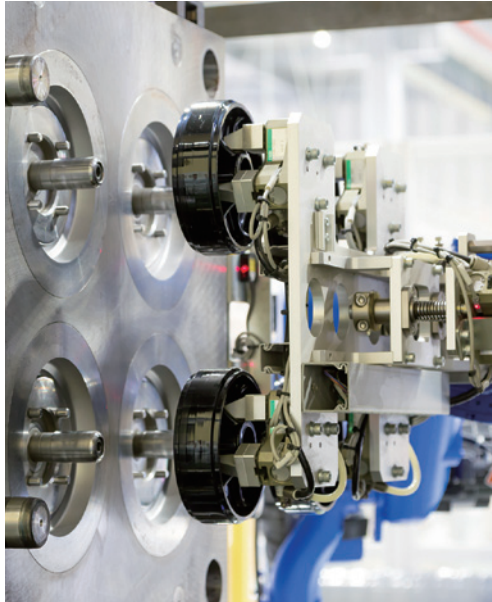
## LOCKSTAR

Pursue braking stability.  
Support safe carrying by grip.



## MIDDLESTAR

Smooth startability  
with established reputation,  
high quality model.



The overwhelming "Mobility" and "The Highest Quality" produced by advanced technology



## SMOOSTAR

Absorbing shock by whole body.  
High quality model with shock absorbing spring.



## HEAVYSTAR

Making the movements at your will.  
Flagship model with excellent durability  
and startability.



## SILENTSTAR

Silent and smooth running.  
Smooth running model with high accuracy built-in bearing.



## OFFICESTAR

Useful for daily life.  
Double wheel model which supports comfortable moving.



## LEADSTAR

Stable startability and runability  
when heavy goods loaded.  
Excellent durability and rigidity towing model.



## SHORTSTAR

Support from low profile  
and behind-the-scene.  
High spec model with strong durability against heavy load.



## STAINLESTAR

Heat-resistance, water-resistance,  
hard to get rust.  
Stainless model with durability  
and anti-corrosion.



# PRODUCT LINEUP

## LIGHTSTAR



LIGHTSTAR	▶ P.010		
Function introduction	▶ P.012		
Product Line	▶ P.013		
SG	▶ P.015	ST-DS	▶ P.039
SUS-SG	▶ P.016	ST SPECIAL	▶ P.040
SFHG	▶ P.017	SFHT-DS	▶ P.041
SG-S	▶ P.018	STF	▶ P.042
SUS-SG-S	▶ P.019	STF-S	▶ P.044
SG-DS	▶ P.020	STF-DS	▶ P.046
SFHG-DS	▶ P.021	E	▶ P.047
SR	▶ P.022	SUS-E	▶ P.048
SUS-SR	▶ P.023	EF	▶ P.049
SGC	▶ P.024	E-S	▶ P.049
SGC-S	▶ P.025	E-DS	▶ P.050
SGC-DS	▶ P.026	SUS-E-S	▶ P.051
SA	▶ P.027	EF-DS	▶ P.052
SA-S	▶ P.028	ER	▶ P.052
SA-DS	▶ P.029	SUS-ER	▶ P.054
ST	▶ P.030	ET	▶ P.055
SUS-ST	▶ P.033	SUS-ET	▶ P.058
SFHT	▶ P.034	EFT	▶ P.059
ST-S	▶ P.035	ET-S	▶ P.060
SUS-ST-S	▶ P.037	ET-DS	▶ P.062
		SUS-ET-S	▶ P.062
		EFT-DS	▶ P.063
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		ETF-S	▶ P.065
		ETF-DS	▶ P.065
		G	▶ P.066
		G-S	▶ P.067
		GR	▶ P.068
		LG	▶ P.070
		LG-S	▶ P.071
		LR	▶ P.072
		LT	▶ P.073
		LT-S	▶ P.075
		LTF	▶ P.077
		LTF-S	▶ P.079
		LHG	▶ P.081
		SPLG	▶ P.081
		E-AF	▶ P.082
		PLJ	▶ P.082
		PLK	▶ P.083

## MIDDLESTAR



MIDDLESTAR	▶ P.084		
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Product Line	▶ P.087		
J2	▶ P.088	KRJ2K	▶ P.098
SUS-J2	▶ P.089	K2	▶ P.099
J2F	▶ P.090	K2/D	▶ P.100
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RJ2	▶ P.093	SJF	▶ P.104
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J2K	▶ P.095	SUS-SJ-S	▶ P.106
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		SJT-S	▶ P.110
		SUS-SJT-S	▶ P.111
		SJT-SW	▶ P.112
		SK	▶ P.113
		SUS-SK	▶ P.115
		SK/D	▶ P.116
		MG	▶ P.117
		MR	▶ P.117



We manufacture more than 6,000 types of caster wheel.

We can respond flexibly to customer's request, we offer high quality products made in Japan.

## HEAVYSTAR



HEAVYSTAR	▶ P.118				
Function introduction	▶ P.120				
Product Line	▶ P.121				
J	▶ P.122	PMS	▶ P.138	CAL-HG	▶ P.150
SUS-J	▶ P.123	PMS-LB(R)	▶ P.139	CAL-UHG	▶ P.151
JF	▶ P.124	PMS(E46)	▶ P.140	HGL	▶ P.152
J-S	▶ P.125	PMS-LB(E46)	▶ P.140	HR	▶ P.153
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JB(R)	▶ P.128	PMR-LB(R)	▶ P.143	HSG	▶ P.156
JK	▶ P.130	HG	▶ P.144	SUS-HSG	▶ P.157
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SUS-K	▶ P.134	SUS-HG-S	▶ P.147	AF	▶ P.160
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## OFFICESTAR



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## SHORTSTAR



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## LOCKSTAR



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# PRODUCT LINEUP

## SMOOSTAR



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Product Line	▶ P.204		
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SKY-2R	▶ P.206	SKY-R	▶ P.209
SHSKY	▶ P.207	SKY-R-S	▶ P.210
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## SILENTSTAR



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Product Line	▶ P.219		
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		PLK	▶ P.237

## LEADSTAR

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## STAINLESTAR

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## WHEEL

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# LIGHTSTAR

Small turn, light, easiness.  
Compact model sticking to ease of use.



**LINEUP**

•S-type •E-type •G-type •L-type •H-type •AF-type •SILENT-type

# LIGHTSTAR

## LIGHT DUTY



Small turn radius

It is lineup from 25mm and it is small turn radius.

They are use for furniture and store fixtures.

### POINT. 1 Lineup corresponding to various mounting methods

#### Plate type



Plate type caster which is necessary using bolts and nuts when you install



#### Screw-in type



Bolt type caster which is install screw mount directly by screwing



#### Insertion type



Insertion type caster which is install directly in pipe



#### Angle type



Angle type caster wich is install in angle



#### Coner type



Coner type caster which is install in trapzoid plate.

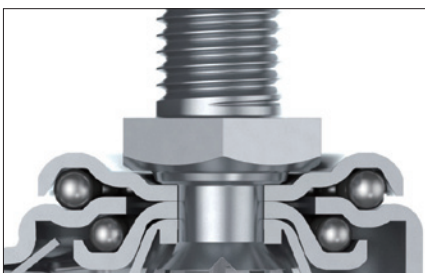


### POINT. 2 New material / Elastomer wheel standard of light duty



- ① Elastomer wheel which is A65 is excelent in quitness when running.
- ② It is hard to make marking, it is able to recude dirt on the floor.
- ③ Less compression set and It is excellent in rebound resilience.
- ④ it is excellent heat resistance, weather resistance, oil resistance and chemical resistance.

### POINT. 3 Light turning start performance "Double bearing structure"



By choosing double bearing structure it realizes good turning start performance  
 ※G type is single bearing structure.

## LINE UP

### SG

P.015—P.016

SG-50EL/RH/N/BN/UR  
SG-65EL/RH/N/BN/UR/RHE  
SG-75EL/RH/N/BN/UR/RHE/NR/NRB/UHF  
SG-100EL/RH/N/BN/UR/RHE/NR/NRB/UHF

### SUS-SG

P.016

SUS-SG-50EL/RH/N/UR  
SUS-SG-65EL/RH/N/UR  
SUS-SG-75EL/RH/N/UR/NR

### SFHG

P.017

SFHG-75NRB  
SFHG-100NRB/SEL

### SG-S

P.018

SG-50ELS/RH/N/BN/UR  
SG-65ELS/RH/N/BN/UR/RHE  
SG-75ELS/RH/N/BN/UR/RHE/NR  
SG-100ELS/RH/N/BN/UR/RHE/NR

### SUS-SG-S

P.019

SUS-SG-50ELS/RH/N/UR  
SUS-SG-65ELS/RH/N/UR  
SUS-SG-75ELS/RH/N/UR/NR

### SG-DS

P.020

SG-75NRBDS/UHF  
SG-100NRBDS/UHF

### SFHG-DS

P.021

SFHG-75NRBDS  
SFHG-100NRBDS/SEL

### SR

P.022—P.023

SR-50EL/RH/N/BN/UR  
SR-65EL/RH/N/BN/UR/RHE  
SR-75EL/RH/N/BN/UR/RHE/NR/NRB/UHF  
SR-100EL/RH/N/BN/UR/RHE/NR/NRB/UHF/SEL  
SR-85-75NRB

### SUS-SR

P.023

SUS-SR-50EL/RH/N/UR  
SUS-SR-65EL/RH/N/UR  
SUS-SR-75EL/RH/N/UR/NR

### SGC

P.024

SGC-50EL,φ8.8/RH/N/BN/UR  
SGC-65EL,φ8.8/RH/N/BN/UR/RHE  
SGC-75EL,φ8.8/RH/N/BN/UR/RHE/NR/NRB/UHF  
SGC-100RH,φ8.8/N/UR/RHE

### SGC-S

P.025

SGC-50ELS,φ8.8/RH/N/BN/UR  
SGC-65ELS,φ8.8/RH/N/BN/UR/RHE  
SGC-75ELS,φ8.8/RH/N/BN/UR/RHE/NR  
SGC-100RHS,φ8.8/N/UR/RHE

### SGC-DS

P.026

SGC-75NRBDS,φ8.8/UHF

### SA

P.027—P.028

SA-50R/N  
SA-65RH/N/EL/UR/  
SA-75RH/N/EL/UR/NR/NRB/UHF  
SA-100N/NR/GU/W-P/W/NB/UW

### SA-S

P.028—P.029

SA-50RS/N  
SA-65RHS/N/EL/UR  
SA-75RHS/N/EL/UR/NR  
SA-100NS

### SA-DS

P.029

SA-75NRBDS/UHF  
SA-100NRS/GU/W-P/W/NB/UW

### ST

P.030—P.032

[M12×35]  
ST-50EL/RH/N/BN/UR  
ST-65EL/RH/N/BN/UR/RHE  
ST-75EL/RH/N/BN/UR/RHE/NR/NRB/UHF  
ST-100EL/RH/N/BN/UR/RHE/NR/NRB/UHF  
[M16×40]  
ST-50EL/RH/N/BN/UR  
ST-65EL/RH/N/BN/UR/RHE  
ST-75EL/RH/N/BN/UR/RHE/NR/NRB/UHF  
ST-100EL/RH/N/BN/UR/RHE/NR/NRB/UHF  
[UNF1/2×25]  
ST-50EL/RH/N/BN/UR  
ST-65EL/RH/N/BN/UR/RHE  
ST-75EL/RH/N/BN/UR/RHE/NR/NRB/UHF  
ST-100EL/RH/N/BN/UR/RHE/NR/NRB/UHF  
[W3/4×40]  
ST-50EL/RH/N/BN/UR  
ST-65EL/RH/N/BN/UR/RHE  
ST-75EL/RH/N/BN/UR/RHE/NR/NRB/UHF  
ST-100EL/RH/N/BN/UR/RHE/NR/NRB/UHF

### SUS-ST

P.033—P.034

[M12×35]  
SUS-ST-50EL/RH/N/UR  
SUS-ST-65EL/RH/N/UR  
SUS-ST-75EL/RH/N/NR/UR  
[M16×40]  
SUS-ST-50EL/RH/N/UR  
SUS-ST-65EL/RH/N/UR  
SUS-ST-75EL/RH/N/NR/UR  
[W3/4×40]  
SUS-ST-50EL/RH/N/UR  
SUS-ST-65EL/RH/N/UR  
SUS-ST-75EL/RH/N/NR/UR

### SFHT

P.034

[M16×40]  
SFHT-75NRB  
SFHT-100NRB/SEL

### ST-S

P.035—P.037

[M12×35]  
ST-50ELS/RH/N/BN/UR  
ST-65ELS/RH/N/BN/UR/RHE  
ST-75ELS/RH/N/BN/UR/RHE/NR  
ST-100ELS/RH/N/BN/UR/RHE/NR  
[M16×40]  
ST-50ELS/RH/N/BN/UR  
ST-65ELS/RH/N/BN/UR/RHE  
ST-75ELS/RH/N/BN/UR/RHE/NR  
ST-100ELS/RH/N/BN/UR/RHE/NR  
[UNF1/2×25]  
ST-50ELS/RH/N/BN/UR  
ST-65ELS/RH/N/BN/UR/RHE  
ST-75ELS/RH/N/BN/UR/RHE/NR  
ST-100ELS/RH/N/BN/UR/RHE/NR  
[W3/4×40]  
ST-50ELS/RH/N/BN/UR  
ST-65ELS/RH/N/BN/UR/RHE  
ST-75ELS/RH/N/BN/UR/RHE/NR  
ST-100ELS/RH/N/BN/UR/RHE/NR

### SUS-ST-S

P.037—P.038

[M12×35]  
SUS-ST-50ELS/RH/N/UR  
SUS-ST-65ELS/RH/N/UR  
SUS-ST-75ELS/RH/N/UR/NR  
[M16×40]  
SUS-ST-50ELS/RH/N/UR  
SUS-ST-65ELS/RH/N/UR  
SUS-ST-75ELS/RH/N/UR/NR  
[W3/4×40]  
SUS-ST-50ELS/RH/N/UR  
SUS-ST-65ELS/RH/N/UR  
SUS-ST-75ELS/RH/N/UR/NR

### ST-DS

P.039

[M12×35]  
ST-75NRBDS/UHF  
ST-100NRBDS/UHF  
[M16×40]  
ST-75NRBDS/UHF  
ST-100NRBDS/UHF  
[UNF1/2×25]  
ST-75NRBDS/UHF  
ST-100NRBDS/UHF  
[W3/4×40]  
ST-75NRBDS/UHF  
ST-100NRBDS/UHF

### ST SPECIAL

P.040—P.041

[M12×35]  
ST-75 NRB (H104/SW-1/SW-2/SW-3) /  
NU (H104/SW-1/SW-2/SW-3) /  
UHF (H104/SW-1/SW-2/SW-3)  
ST-100NRB (H132/SW-1/SW-2/SW-3) /  
NU (H132/SW-1/SW-2/SW-3) /  
UHF (H132/SW-1/SW-2/SW-3)  
[M16×40]  
ST-75 NRB (H104/SW-1/SW-2/SW-3) /  
NU (H104/SW-1/SW-2/SW-3) /  
UHF (H104/SW-1/SW-2/SW-3)  
ST-100NRB (H132/SW-1/SW-2/SW-3) /  
NU (H132/SW-1/SW-2/SW-3) /  
UHF (H132/SW-1/SW-2/SW-3)

### SFHT-DS

P.041

[M16×40]  
SFHT-75NRBDS  
SFHT-100NRBDS/SEL

### STF

P.042—P.043

STF-50EL (φ22,φ24P,φ34) /RH (φ22,φ24P,φ34) /  
N (φ22,φ24P,φ34) /BN (φ22,φ24P,φ34) /  
UR (φ22,φ24P,φ34)  
STF-65EL (φ22,φ24P,φ34) /RH (φ22,φ24P,φ34) /  
N (φ22,φ24P,φ34) /BN (φ22,φ24P,φ34) /  
UR (φ22,φ24P,φ34) /RHE (φ22,φ24P,φ34)  
STF-75EL (φ22,φ24P,φ34) /RH (φ22,φ24P,φ34) /  
N (φ22,φ24P,φ34) /BN (φ22,φ24P,φ34) /  
UR (φ22,φ24P,φ34) /RHE (φ22,φ24P,φ34) /  
NR (φ22,φ24P,φ34) /NRB (φ22,φ24P,φ34) /  
UHF (φ22,φ24P,φ34)

### STF-S

P.044—P.045

STF-50ELS (φ22,φ24P,φ34) /RH (φ22,φ24P,φ34) /  
N (φ22,φ24P,φ34) /BN (φ22,φ24P,φ34) /  
UR (φ22,φ24P,φ34)  
STF-65ELS (φ22,φ24P,φ34) /RH (φ22,φ24P,φ34) /  
N (φ22,φ24P,φ34) /BN (φ22,φ24P,φ34) /  
UR (φ22,φ24P,φ34) /RHE (φ22,φ24P,φ34)  
STF-75ELS (φ22,φ24P,φ34) /RH (φ22,φ24P,φ34) /  
N (φ22,φ24P,φ34) /BN (φ22,φ24P,φ34) /  
UR (φ22,φ24P,φ34) /RHE (φ22,φ24P,φ34) /  
NR (φ22,φ24P,φ34)

### STF-DS

P.046

STF-75NRBDS (φ22,φ24P,φ34) /UHF (φ22,φ24P,φ34)

### E

P.047

E-50EL/R/RE/N/UR  
E-65EL/RH/RHE/N/UR  
E-75EL/RH/RHE/N/UR  
E-100EL/RH/RHE/N/UR/NR/NRB/UHF  
E-125RH/UR

### SUS-E

P.048

SUS-E-50EL/R/N/UR  
SUS-E-65EL/RH/N/UR  
SUS-E-75EL/RH/N/UR  
SUS-E-100EL/RH/N/UR/NR

### EF

P.049

EF-65ELSB  
EF-75ELSB

### E-S

P.049—P.050

E-50ELS/R/RE/N/UR  
E-65ELS/RH/RHE/N/UR  
E-75ELS/RH/RHE/N/UR  
E-100ELS/RH/RHE/N/UR/NR  
E-125RHS/UR

### E-DS

P.050

E-100NRBDS/UHF

### SUS-E-S

P.051

SUS-E-50ELS/R/N/UR  
SUS-E-65ELS/RH/N/UR  
SUS-E-75ELS/RH/N/UR  
SUS-E-100ELS/RH/N/UR/NR

## LINE UP

### EF-DS

P.052

EF-75ELSBDS

### ER

P.052—P.053

ER-50EL/R/RE/N/UR  
ER-65EL/RH/RHE/N/UR/ELSB (H83)  
ER-75EL/RH/RHE/N/UR/ELSB (H93)  
ER-100EL/RH/RHE/N/UR/NR/NRB/UHF  
ER-125RH

### SUS-ER

P.054

SUS-ER-50EL/R/N/UR  
SUS-ER-65EL/RH/N/UR  
SUS-ER-75EL/RH/N/UR  
SUS-ER-100EL/RH/N/UR/NR

### ET

P.055—P.057

[M12×35]  
ET-50EL/R/RE/N/UR  
ET-65EL/RH/RHE/N/UR  
ET-75EL/RH/RHE/N/UR  
ET-100EL/RH/RHE/N/UR/NR/NRB/UHF  
ET-125RH/UR  
[M16×40]  
ET-100EL/RH/RHE/N/UR/NR/NRB/UHF  
ET-125RH/UR  
[UNF1/2×14]  
ET-50EL/R/RE/N/UR  
ET-65EL/RH/RHE/N/UR  
ET-75EL/RH/RHE/N/UR  
[UNF1/2×25]  
ET-100EL/RH/RHE/N/UR/NR/NRB/UHF  
ET-125RH/UR  
[W3/8×14]  
ET-50EL/R/RE/N/UR  
ET-65EL/RH/RHE/N/UR  
ET-75EL/RH/RHE/N/UR  
[W3/4×40]  
ET-100EL/RH/RHE/N/UR/NR/NRB/UHF  
ET-125RH/UR

### SUS-ET

P.058

[M12×35]  
SUS-ET-50EL/R/N/UR  
SUS-ET-65EL/RH/N/UR  
SUS-ET-75EL/RH/N/UR  
SUS-ET-100EL/RH/N/UR/NR  
[M16×40]  
SUS-ET-100EL/RH/N/UR/NR  
[W3/4×40]  
SUS-ET-100EL/RH/N/UR/NR

### EFT

P.059

[M12×35]  
EFT-65ELSB  
EFT-75ELSB

### ET-S

P.060—P.061

[M12×35]  
ET-50ELS/R/RE/N/UR  
ET-65ELS/RH/RHE/N/UR  
ET-75ELS/RH/RHE/N/UR  
ET-100ELS/RH/RHE/N/UR/NR  
ET-125RHS/UR  
[M16×40]  
ET-100ELS/RH/RHE/N/UR/NR  
ET-125RHS/UR  
[UNF1/2×14]  
ET-50ELS/R/RE/N/UR  
ET-65ELS/RH/RHE/N/UR  
ET-75ELS/RH/RHE/N/UR  
[UNF1/2×25]  
ET-100ELS/RH/RHE/N/UR/NR  
ET-125RHS/UR  
[W3/8×14]  
ET-50ELS/R/RE/N/UR  
ET-65ELS/RH/RHE/N/UR  
ET-75ELS/RH/RHE/N/UR  
[W3/4×40]  
ET-100ELS/RH/RHE/N/UR/NR  
ET-125RHS/UR

### ET-DS

P.062

[M12×35]  
ET-100NRBDS/UHF  
[M16×40]  
ET-100NRBDS/UHF  
[UNF1/2×14]  
ET-100NRBDS/UHF  
[W3/4×40]  
ET-100NRBDS/UHF

### SUS-ET-S

P.062—P.063

[M12×35]  
SUS-ET-50ELS/R/N/UR  
SUS-ET-65ELS/RH/N/UR  
SUS-ET-75ELS/RH/N/UR  
SUS-ET-100ELS/RH/N/UR/NR  
[M16×40]  
SUS-ET-100ELS/RH/N/UR/NR  
[W3/4×40]  
SUS-ET-100ELS/RH/N/UR/NR

### EFT-DS

P.063

[M12×35]  
EFT-75ELSBDS

### ETF

P.064

ETF-100EL (φ19,φ22,φ34) / RH (φ19,φ22,φ34) /  
NR (φ19,φ22,φ34) / NRB (φ19,φ22,φ34) /  
N (φ19,φ22,φ34) / UR (φ19,φ22,φ34) /  
UHF (φ19,φ22,φ34)  
ETF-125RH (φ19,φ22,φ34) / UR (φ19,φ22,φ34)

### ETF-S

P.065

ETF-100ELS (φ19,φ22,φ34) / RH (φ19,φ22,φ34) /  
NR (φ19,φ22,φ34) / N (φ19,φ22,φ34) /  
UR (φ19,φ22,φ34)  
ETF-125RHS (φ19,φ22,φ34) / UR (φ19,φ22,φ34)

### ETF-DS

P.065

ETF-100NRBDS (φ19,φ22,φ34) / UHF (φ19,φ22,φ34)

### G

P.066—P.067

G-25EL/R/N/BN/UR/PC-R/PC-C/PC-G  
G-32EL/R/N/BN/UR  
G-38EL/R/N/BN/UR/PC-R/PC-C/PC-G  
G-50EL/R/N/BN/UR/PC-R/PC-C/PC-G  
G-65EL/RH/N/BN/UR  
G-75EL/RH/N/BN/UR

### G-S

P.067—P.068

G-38ELS/R/N/BN/UR/PC-R/PC-C/PC-G  
G-50ELS/R/N/BN/UR/PC-R/PC-C/PC-G  
G-65ELS/RH/N/BN/UR  
G-75ELS/RH/N/BN/UR

### GR

P.068—P.069

GR-25EL/R/N/BN/UR/PC-R/PC-C/PC-G  
GR-32EL/R/N/BN/UR  
GR-38EL/R/N/BN/UR/PC-R/PC-C/PC-G  
GR-50EL/R/N/BN/UR/PC-R/PC-C/PC-G  
GR-65EL/RH/N/BN/UR  
GR-75EL/RH/N/BN/UR

### LG

P.070

LG-50R/RE/N/BN/UR

### LG-S

P.071

LG-50RS/RE/N/BN/UR

### LR

P.072

LR-50R/RE/N/BN/UR

### LT

P.073—P.074

[M12×14]  
LT-40R/N/BN  
LT-50R/N/BN/RE (P1.25)  
LT-65RH/N/BN/RHE (P1.25) / EL/UR  
LT-75RH/N/BN/RHE (P1.25) / EL/UR  
[M12×35]  
LT-65RH/N/BN/RHE/EL/UR  
LT-75RH/N/BN/RHE/EL/UR  
[UNF1/2×14]  
LT-40R/N/BN  
LT-50R/N/BN/RE  
LT-65RH/N/BN/RHE/EL/UR  
LT-75RH/N/BN/RHE/EL/UR  
[W3/8×14]  
LT-40R/N/BN  
LT-50R/N/BN/RE  
LT-65RH/N/BN/RHE/EL/UR  
LT-75RH/N/BN/RHE/EL/UR

### LT-S

P.075—P.076

[M12×14]  
LT-40RS/N/BN  
LT-50RS/N/BN/RE (P1.25)  
LT-65RHS/N/BN/RHE (P1.25) / EL/UR  
LT-75RHS/N/BN/RHE (P1.25) / EL/UR  
[M12×35]  
LT-65RHS/N/BN/RHE/EL/UR  
LT-75RHS/N/BN/RHE/EL/UR  
[UNF1/2×14]  
LT-40RS/N/BN  
LT-50RS/N/BN/RE  
LT-65RHS/N/BN/RHE/EL/UR  
LT-75RHS/N/BN/RHE/EL/UR  
[W3/8×14]  
LT-40RS/N/BN  
LT-50RS/N/BN/RE  
LT-65RHS/N/BN/RHE/EL/UR  
LT-75RHS/N/BN/RHE/EL/UR

### LTF

P.077—P.078

LTF-40R (φ16,φ18,φ22,φ24P) / N (φ16,φ18,φ22,φ24P) /  
BN (φ16,φ18,φ22,φ24P)  
LTF-50R (φ16,φ18,φ22,φ24P) / N (φ16,φ18,φ22,φ24P) /  
BN (φ16,φ18,φ22,φ24P) / RE (φ16,φ18,φ22,φ24P)  
LTF-65RH (φ16,φ18,φ22,φ24P) / N (φ16,φ18,φ22,φ24P) /  
BN (φ16,φ18,φ22,φ24P) / RHE (φ16,φ18,φ22,φ24P) /  
EL (φ16,φ18,φ22,φ24P) / UR (φ16,φ18,φ22,φ24P)  
LTF-75RH (φ16,φ18,φ22,φ24P) / N (φ16,φ18,φ22,φ24P) /  
BN (φ16,φ18,φ22,φ24P) / RHE (φ16,φ18,φ22,φ24P) /  
EL (φ16,φ18,φ22,φ24P) / UR (φ16,φ18,φ22,φ24P)

### LTF-S

P.079—P.080

LTF-40RS (φ16,φ18,φ22,φ24P) / N (φ16,φ18,φ22,φ24P) /  
BN (φ16,φ18,φ22,φ24P)  
LTF-50RS (φ16,φ18,φ22,φ24P) / N (φ16,φ18,φ22,φ24P) /  
BN (φ16,φ18,φ22,φ24P) / RE (φ16,φ18,φ22,φ24P)  
LTF-65RHS (φ16,φ18,φ22,φ24P) / N (φ16,φ18,φ22,φ24P) /  
BN (φ16,φ18,φ22,φ24P) / RHE (φ16,φ18,φ22,φ24P) /  
EL (φ16,φ18,φ22,φ24P) / UR (φ16,φ18,φ22,φ24P)  
LTF-75RHS (φ16,φ18,φ22,φ24P) / N (φ16,φ18,φ22,φ24P) /  
BN (φ16,φ18,φ22,φ24P) / RE (φ16,φ18,φ22,φ24P) /  
EL (φ16,φ18,φ22,φ24P) / UR (φ16,φ18,φ22,φ24P)

### LHG

P.081

LHG-40BN  
LHG-50BN

### SPLG

P.081

SPLG-50BN,AJ  
SPLG-65BN,AJ  
SPLG-75BN,AJ

### E-AF

P.082

E-40BN-AF  
E-50BN-AF

### PLJ

P.082

PLJ-100NR/GU  
PLJ-130NR/GU

### PLK

P.083

PLK-100NR/GU  
PLK-130NR/GU



# LIGHT STAR (For Light Duty) / S-type

# SG

φ 50 65 75 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

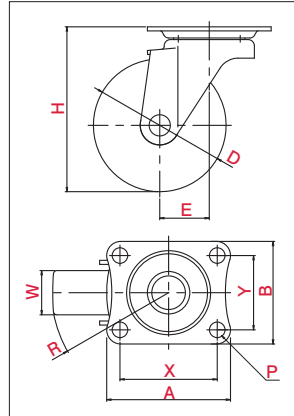


SG-75N



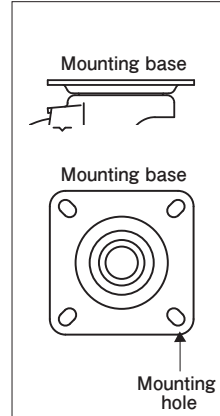
BN UR EL NR RH

### External dimensions

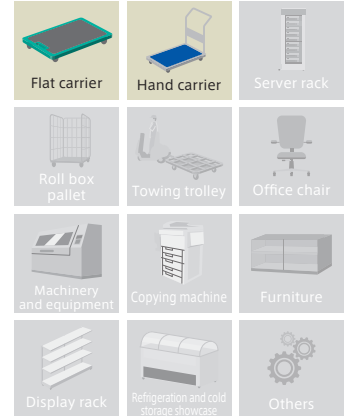


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SG-50EL	Wheel:PP Tread:Elastomer	50	27	70	70×58	55×42	8.8	27	53	35(35.7)
SG-65EL		65		85					61	40(40.8)
SG-75EL		75		93					66	50(51.0)
SG-100EL		100		122					82	50(51.0)
SG-50RH	Wheel:Rubber Tread:Rubber	50	28	70	70×58	55×42	8.8	27	53	50(51.0)
SG-65RH		65	85	61					50(51.0)	
SG-75RH		75	93	66					60(61.2)	
SG-100RH		100	122	82					50(51.0)	
SG-50N	Wheel:Nylon Tread:Nylon	50	28	70	70×58	55×42	8.8	27	53	60(61.2)
SG-65N		65	85	61					70(71.4)	
SG-75N		75	93	66					80(81.6)	
SG-100N		100	122	82					60(61.2)	
SG-50BN	Wheel:Nylon(Black) Tread:Nylon(Black)	50	28	70	70×58	55×42	8.8	27	53	60(61.2)
SG-65BN		65	85	61					70(71.4)	
SG-75BN		75	93	66					80(81.6)	
SG-100BN		100	122	82					60(61.2)	
SG-50UR	Wheel:Nylon Tread:Urethane	50	25	70	70×58	55×42	8.8	27	53	60(61.2)
SG-65UR		65	85	61					60(61.2)	
SG-75UR		75	93	66					70(71.4)	
SG-100UR		100	122	82					60(61.2)	
SG-65RHE	Wheel:Conductive Rubber Tread:Conductive Rubber	65	25	85	70×58	55×42	8.8	27	61	50(51.0)
SG-75RHE		75		93					66	60(61.2)
SG-100RHE		100		122					82	50(51.0)
SG-75NR	Wheel:Nylon Tread:Rubber	75	27	93	70×58	55×42	8.8	28	66	60(61.2)
SG-100NR		100		122					82	
SG-75NRB	Wheel:Nylon Tread:Rubber(including B)	75	27	93	70×58	55×42	8.8	28	66	60(61.2)
SG-100NRB		100		122					82	

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# LIGHT STAR (For Light Duty) / S-type SG

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SG-75UHF		75	26	93	70×58	55×42	8.8	28	66	70(71.4)
SG-100UHF		100	28	122	100×58	82×40		31	82	60(61.2)

# LIGHT STAR (For Light Duty, Stainless Steel) / S-type

# SUS-SG

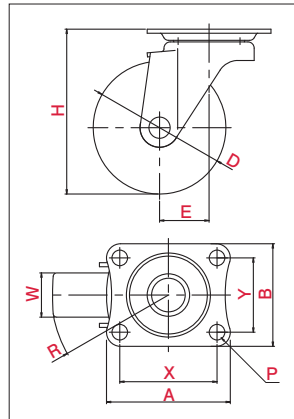
φ 50 65 75

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single stopper	Double stopper



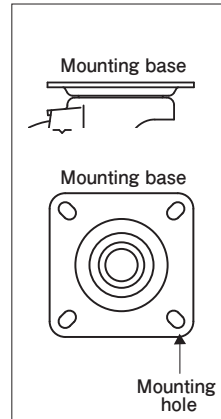
SUS-SG-75N

### External dimensions

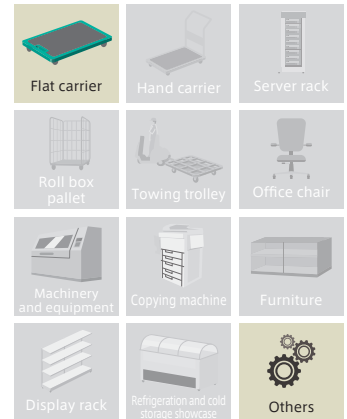


\*The Picture is a typical product image.

### Mounting Method(Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-SG-50EL		50	27	70	70×58	55×42	8.8	27	53	35(35.7)
SUS-SG-65EL		65		85					61	40(40.8)
SUS-SG-75EL		75		93					66	50(51.0)
SUS-SG-50RH		50	28	70	70×58	55×42	8.8	27	53	50(51.0)
SUS-SG-65RH		65		85					61	
SUS-SG-75RH		75		93					66	60(61.2)
SUS-SG-50N		50	28	70	70×58	55×42	8.8	27	53	60(61.2)
SUS-SG-65N		65		85					61	70(71.4)
SUS-SG-75N		75		93					66	80(81.6)
SUS-SG-50UR		50	25	70	70×58	55×42	8.8	27	53	60(61.2)
SUS-SG-65UR		65		85					61	
SUS-SG-75UR		75		93					66	70(71.4)
SUS-SG-75NR		75	27	93	70×58	55×42	8.8	28	66	60(61.2)

# SFHG

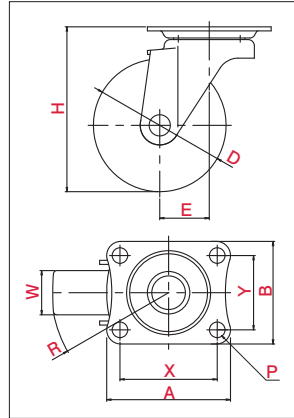
φ 75 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

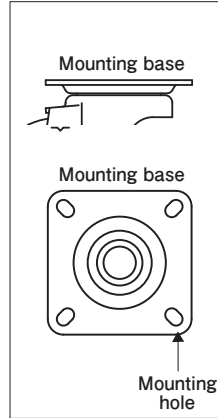


SFHG-100SEL

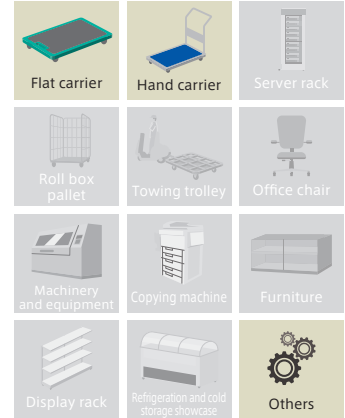
•External dimensions



•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SFHG-75NRB		75	27	98	70×58	55×42	8.8	29	67	60(61.2)
SFHG-100NRB		100		122	100×58	82×40		31	81	
SFHG-100SEL		100	28	122	100×58	82×40	8.8	31	81	50(51.0)

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

LIGHT STAR (For Light Duty) / S-type

SG-S

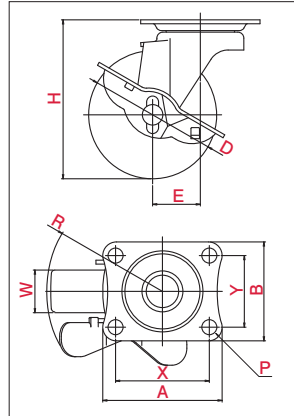
φ 50 65 75 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



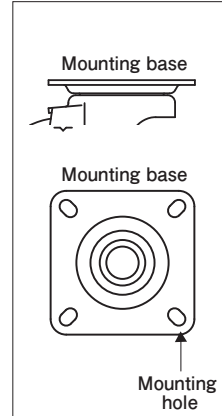
SG-75BNS

## •External dimensions

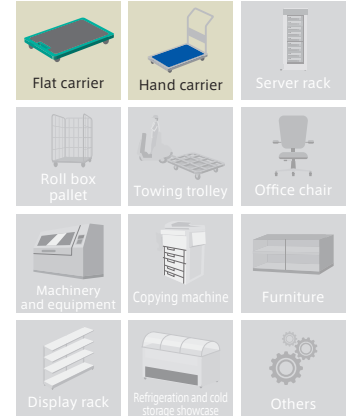


\*The Picture is a typical product image.

## •Mounting Method(Plate Type)



## •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)				
SG-50ELS	Wheel:PP Tread:Elastomer	50	27	70	70×58	55×42	8.8	27	67	35(35.7)				
SG-65ELS		65		85						40(40.8)				
SG-75ELS		75		93						50(51.0)				
SG-100ELS		100		122						100×58	82×40	31	82	50(51.0)
SG-50RHS	Wheel:Rubber Tread:Rubber	50	28	70	70×58	55×42	8.8	27	67	50(51.0)				
SG-65RHS		65	85	60(61.2)										
SG-75RHS		75	93	80(81.6)										
SG-100RHS		100	122	100×58							82×40	31	82	50(51.0)
SG-50NS	Wheel:Nylon Tread:Nylon	50	28	70	70×58	55×42	8.8	27	67	60(61.2)				
SG-65NS		65	85	70(71.4)										
SG-75NS		75	93	80(81.6)										
SG-100NS		100	122	100×58						82×40	31	82	60(61.2)	
SG-50BNS	Wheel:Nylon(Black) Tread:Nylon(Black)	50	28	70	70×58	55×42	8.8	27	67	60(61.2)				
SG-65BNS		65	85	70(71.4)										
SG-75BNS		75	93	80(81.6)										
SG-100BNS		100	122	100×58						82×40	31	82	60(61.2)	
SG-50URS	Wheel:Nylon Tread:Urethane	50	25	70	70×58	55×42	8.8	27	67	60(61.2)				
SG-65URS		65	85	70(71.4)										
SG-75URS		75	93	80(81.6)										
SG-100URS		100	28	122							100×58	82×40	31	82
SG-65RHES	Wheel:Conductive Rubber Tread:Conductive Rubber	65	25	85	70×58	55×42	8.8	27	68	50(51.0)				
SG-75RHES		75		93						60(61.2)				
SG-100RHES		100		122						100×58	82×40	31	82	50(51.0)
SG-75NRS	Wheel:Nylon Tread:Rubber	75	27	93	70×58	55×42	8.8	28	68	60(61.2)				
SG-100NRS		100		122							100×58	82×40	31	82

# SUS-SG-S

φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

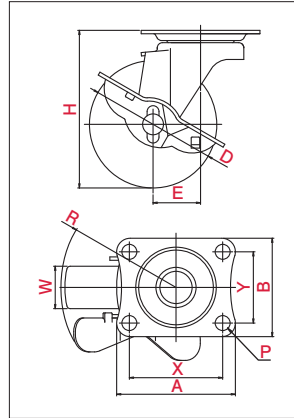


SUS-SG-75NS



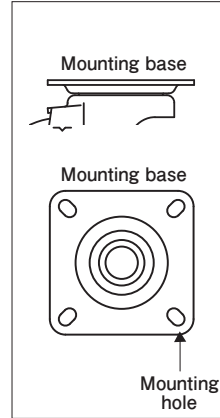
UR EL NR RH

•External dimensions

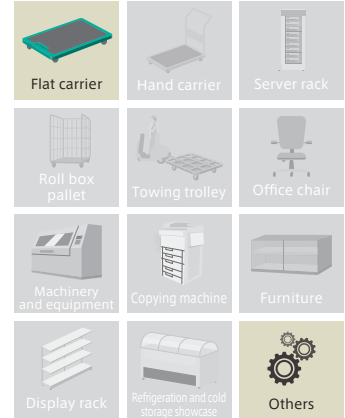


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-SG-50ELS		50	27	70	70×58	55×42	8.8	27	67	35(35.7)
SUS-SG-65ELS		65		85						40(40.8)
SUS-SG-75ELS		75		93						50(51.0)
SUS-SG-50RHS		50	28	70	70×58	55×42	8.8	27	67	50(51.0)
SUS-SG-65RHS		65	25	85						60(61.2)
SUS-SG-75RHS		75	26	93						70(71.4)
SUS-SG-50NS		50	28	70	70×58	55×42	8.8	27	67	60(61.2)
SUS-SG-65NS		65	25	85						70(71.4)
SUS-SG-75NS		75	25	93						80(81.6)
SUS-SG-50URS		50	25	70	70×58	55×42	8.8	27	67	60(61.2)
SUS-SG-65URS		65	25	85						70(71.4)
SUS-SG-75URS		75	26	93						70(71.4)
SUS-SG-75NRS		75	27	93	70×58	55×42	8.8	28	68	60(61.2)

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

LIGHT STAR (For Light Duty) / S-type

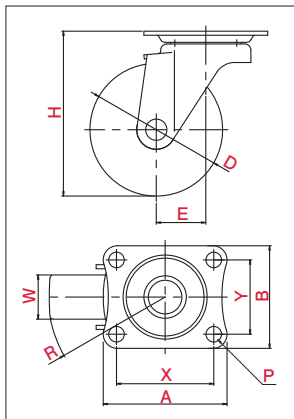
# SG-DS

 $\phi 75$  100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

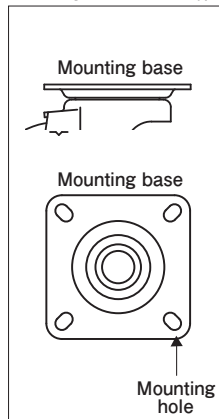


### External dimensions

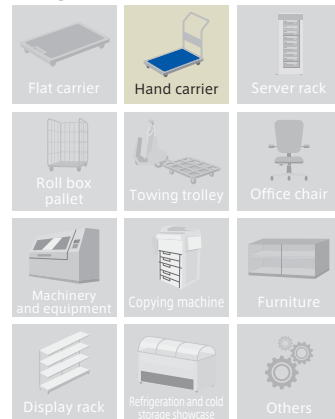


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SG-75NRBDS		75	27	93	70×58	55×42	8.8	28	70	60(61.2)
SG-100NRBDS		100		122	100×58	82×40		31	82	
SG-75UHFDS		75	26	93	70×58	55×42	8.8	28	70	70(71.4)
SG-100UHFDS		100	28	122	100×58	82×40		31	82	60(61.2)

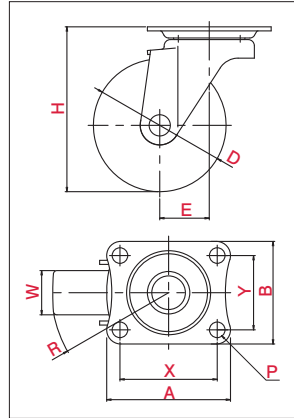
# SFHG-DS

φ 75 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

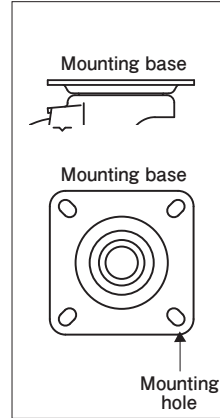


•External dimensions

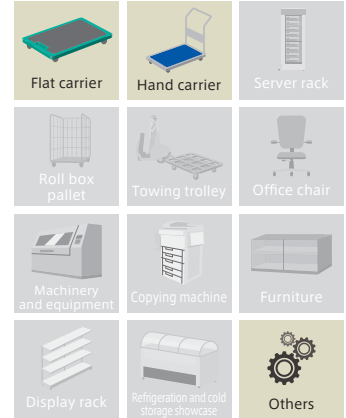


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SFHG-75NRBDS		75	27	98	70×58	55×42	8.8	29	71	60(61.2)
SFHG-100NRBDS		100		122	100×58	82×40		31	81	
SFHG-100SELDS			100	28	122	100×58	82×40	8.8	31	81

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-t-type

L-t-type

E-t-type

M-t-type

S-t-type

J-t-type

PM-t-type

H-t-type

AF-t-type

NP-t-type

SKY-t-type

SILENT-t-type

OTHER

## LIGHT STAR (For Light Duty) / S-type

SR

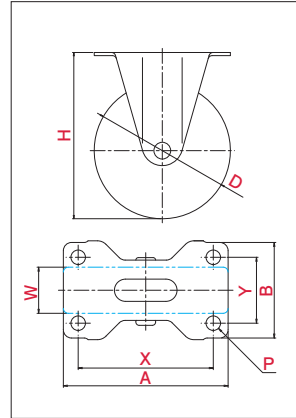
φ 50 65 75 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



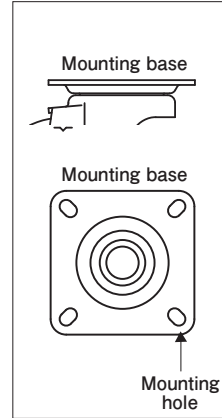
SR-75EL

## •External dimensions

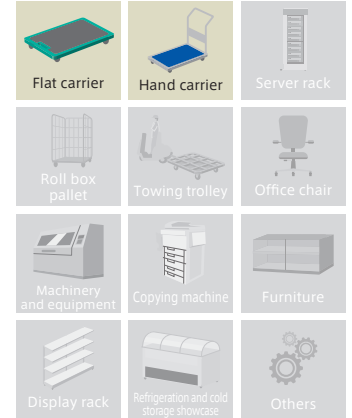


\*The Picture is a typical product image.

## •Mounting Method(Plate Type)





## •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SR-50EL		50	27	70	70×47	55×28	8.8			35(35.7)
SR-65EL		65		85						40(40.8)
SR-75EL		75		93						50(51.0)
SR-100EL		100		122						
SR-50RH		50	28	70	70×47	55×28	8.8			50(51.0)
SR-65RH		65	85	60(61.2)						
SR-75RH		75	93							50(51.0)
SR-100RH		100	122							
SR-50N		50	28	70	70×47	55×28	8.8			60(61.2)
SR-65N		65	85	70(71.4)						
SR-75N		75	93	80(81.6)						
SR-100N		100	122	60(61.2)						
SR-50BN		50	28	70	70×47	55×28	8.8			60(61.2)
SR-65BN		65	85	70(71.4)						
SR-75BN		75	93	80(81.6)						
SR-100BN		100	122	60(61.2)						
SR-50UR		50	25	70	70×47	55×28	8.8			60(61.2)
SR-65UR		65	85	70(71.4)						
SR-75UR		75	93							60(61.2)
SR-100UR		100	122							
SR-65RHE		65	25	85	70×47	55×28	8.8			50(51.0)
SR-75RHE		75		93						60(61.2)
SR-100RHE		100		122						50(51.0)
SR-75NR		75	27	93	70×47	55×28	8.8			60(61.2)
SR-100NR		100		122						
SR-75NRB		75	27	93	70×47	55×28	8.8			60(61.2)
SR-100NRB		100		122						
SR-85-75NRB		75		98						
	Wheel: Nylon Tread: Rubber(including B)									



# LIGHT STAR (For Light Duty) / S-type SR

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SR-75UHF	 Wheel:Nylon Tread:Urethane(including B)	75	26	93	70×47	55×28	8.8			70 (71.4)
SR-100UHF		100	28	122	100×58	82×40				60 (61.2)
SR-100SEL	 Wheel:PP Tread:Elastomer(including B)	100	28	122	100×58	82×40	8.8			50 (51.0)

# LIGHT STAR (For Light Duty, Stainless Steel) / S-type

# SUS-SR

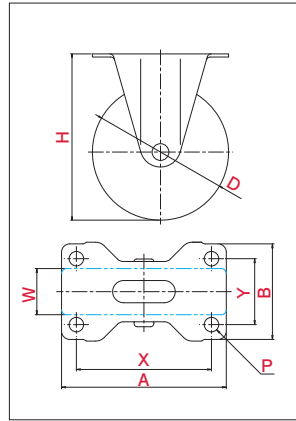
φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



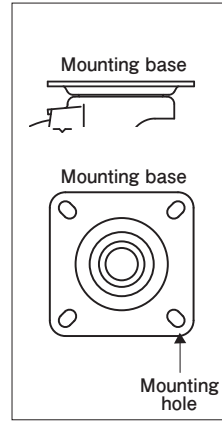
SUS-SR-75EL

### External dimensions

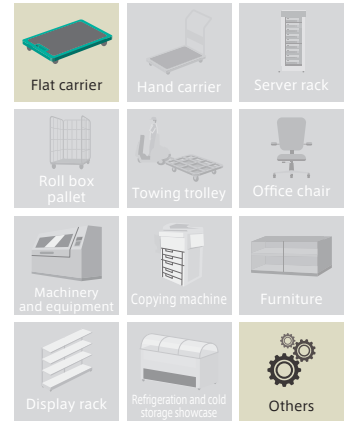







\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-SR-50EL	 Wheel:PP Tread:Elastomer	50	27	70	70×47	55×28	8.8			35 (35.7)
SUS-SR-65EL		65		85						40 (40.8)
SUS-SR-75EL		75		93						50 (51.0)
SUS-SR-50RH	 Wheel:Rubber Tread:Rubber	50	28	70	70×47	55×28	8.8			50 (51.0)
SUS-SR-65RH		65	25	85						60 (61.2)
SUS-SR-75RH		75	93							
SUS-SR-50N	 Wheel:Nylon Tread:Nylon	50	28	70	70×47	55×28	8.8			60 (61.2)
SUS-SR-65N		65	25	85						70 (71.4)
SUS-SR-75N		75	93	80 (81.6)						
SUS-SR-50UR	 Wheel:Nylon Tread:Urethane	50	25	70	70×47	55×28	8.8			60 (61.2)
SUS-SR-65UR		65	85	70 (71.4)						
SUS-SR-75UR		75	26	93						70 (71.4)
SUS-SR-75NR	 Wheel:Nylon Tread:Rubber	75	27	93	70×47	55×28	8.8			60 (61.2)

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

LIGHT STAR (For Light Duty)S-type

SGC

φ 50 65 75 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

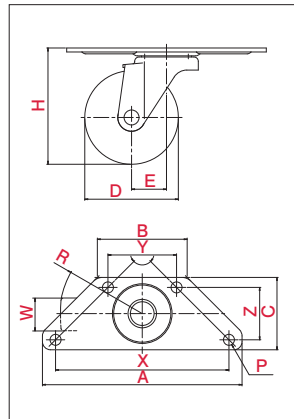


SGC-75EL, φ 8.8



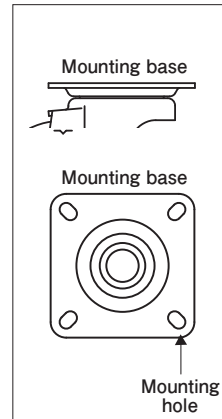
RH N BN UR NR

## •External dimensions

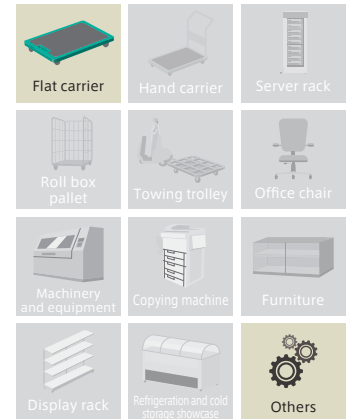


\*The Picture is a typical product image.

## •Mounting Method(Plate Type)



## •Usage

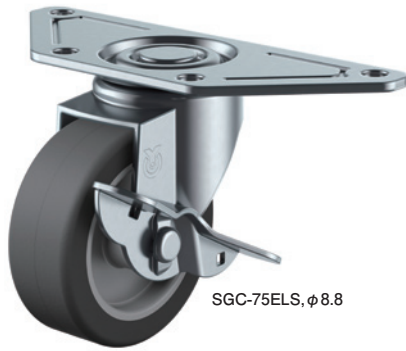


Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B×C[mm])	Mounting dimensions (X×Y×Z[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SGC-50EL, φ 8.8		50	27	70	160×72×58	139×55×42	8.8	27	53	35(35.7)
SGC-65EL, φ 8.8		65		85					60	40(40.8)
SGC-75EL, φ 8.8		75		93					66	50(51.0)
SGC-50RH, φ 8.8		50	28	70	160×72×58	139×55×42	8.8	27	53	50(51.0)
SGC-65RH, φ 8.8		65	85	60						
SGC-75RH, φ 8.8		75	25	93					66	60(61.2)
SGC-100RH, φ 8.8		100	122	82					50(51.0)	
SGC-50N, φ 8.8		50	28	70	160×72×58	139×55×42	8.8	27	53	60(61.2)
SGC-65N, φ 8.8		65	85	60					70(71.4)	
SGC-75N, φ 8.8		75	25	93					66	80(81.6)
SGC-100N, φ 8.8		100	122	82					60(61.2)	
SGC-50BN, φ 8.8		50	28	70	160×72×58	139×55×42	8.8	27	53	60(61.2)
SGC-65BN, φ 8.8		65	85	60					70(71.4)	
SGC-75BN, φ 8.8		75	25	93					66	80(81.6)
SGC-50UR, φ 8.8		50	25	70	160×72×58	139×55×42	8.8	27	53	60(61.2)
SGC-65UR, φ 8.8		65	85	60						
SGC-75UR, φ 8.8		75	26	93					66	70(71.4)
SGC-100UR, φ 8.8		100	28	122					82	60(61.2)
SGC-65RHE, φ 8.8		65	25	85	160×72×58	139×55×42	8.8	27	60	50(51.0)
SGC-75RHE, φ 8.8		75	93	66					60(61.2)	
SGC-100RHE, φ 8.8		100	122	82					50(51.0)	
SGC-75NR, φ 8.8		75	27	93	160×72×58	139×55×42	8.8	28	66	60(61.2)
SGC-75NRB, φ 8.8		75	27	93	160×72×58	139×55×42	8.8	28	66	60(61.2)
SGC-75UHF, φ 8.8		75	26	93	160×72×58	139×55×42	8.8	28	66	70(71.4)

# SGC-S

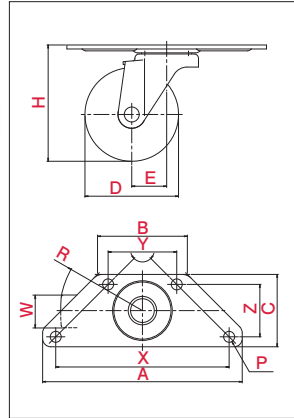
φ 50 65 75 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

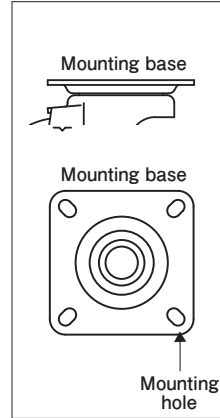


SGC-75ELS, φ 8.8

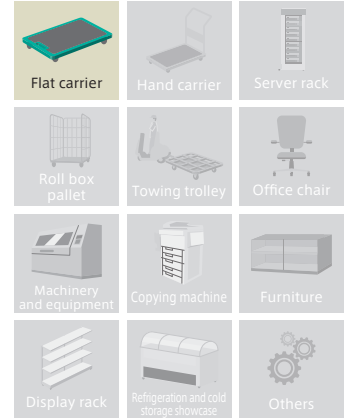
•External dimensions



•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B×C[mm])	Mounting dimensions (X×Y×Z[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SGC-50ELS, φ 8.8	Wheel:PP Tread:Elastomer	50	27	70	160×72×58	139×55×42	8.8	27	67	35(35.7)
SGC-65ELS, φ 8.8		65		85						
SGC-75ELS, φ 8.8		75		93						
SGC-50RHS, φ 8.8	Wheel:Rubber Tread:Rubber	50	28	70	160×72×58	139×55×42	8.8	27	67	50(51.0)
SGC-65RHS, φ 8.8		65		85						
SGC-75RHS, φ 8.8		75	25	93						
SGC-100RHS, φ 8.8		100		122						
SGC-50NS, φ 8.8	Wheel:Nylon Tread:Nylon	50	28	70	160×72×58	139×55×42	8.8	27	67	60(61.2)
SGC-65NS, φ 8.8		65		85						
SGC-75NS, φ 8.8		75	25	93						
SGC-100NS, φ 8.8		100		122						
SGC-50BNS, φ 8.8	Wheel:Nylon(Black) Tread:Nylon(Black)	50	28	70	160×72×58	139×55×42	8.8	27	67	60(61.2)
SGC-65BNS, φ 8.8		65		85						
SGC-75BNS, φ 8.8		75	25	93						
SGC-50URS, φ 8.8	Wheel:Nylon Tread:Urethane	50		25	70	160×72×58	139×55×42	8.8	27	67
SGC-65URS, φ 8.8		65	85							
SGC-75URS, φ 8.8		75	26	93						
SGC-100URS, φ 8.8		100		28	122					
SGC-65RHES, φ 8.8	Wheel:Conductive Rubber Tread:Conductive Rubber	65	25	85	160×72×58	139×55×42	8.8	27	68	50(51.0)
SGC-75RHES, φ 8.8		75		93						
SGC-100RHES, φ 8.8		100		122						
SGC-75NRS, φ 8.8	Wheel:Nylon Tread:Rubber	75	27	93	160×72×58	139×55×42	8.8	28	68	60(61.2)

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

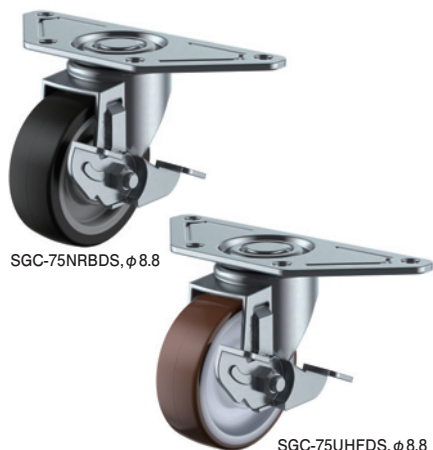
OTHER

LIGHT STAR (For Light Duty) / S-type

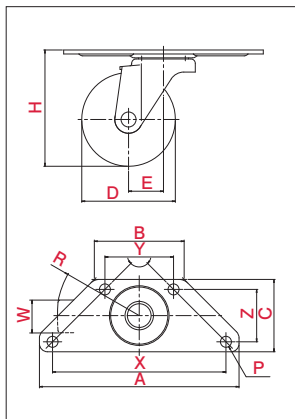
# SGC-DS

 $\phi 75$ 

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

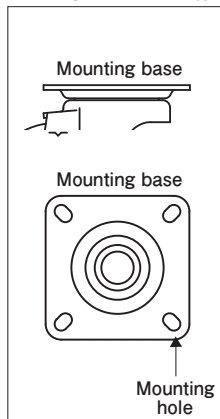
SGC-75NRBDS,  $\phi 8.8$ SGC-75UHFDS,  $\phi 8.8$ 

### External dimensions

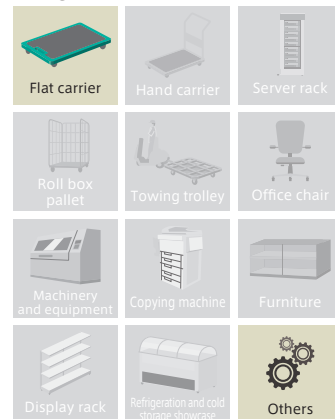


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B×C[mm])	Mounting dimensions (X×Y×Z[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SGC-75NRBDS, $\phi 8.8$	Wheel: Nylon Tread: Rubber (including B)	75	27	93	160×72×58	139×55×42	8.8	28	70	60 (61.2)
SGC-75UHFDS, $\phi 8.8$	Wheel: Nylon Tread: Urethane (including B)	75	26	93	160×72×58	139×55×42	8.8	28	70	70 (71.4)

# LIGHT STAR (For Light Duty) / S-type

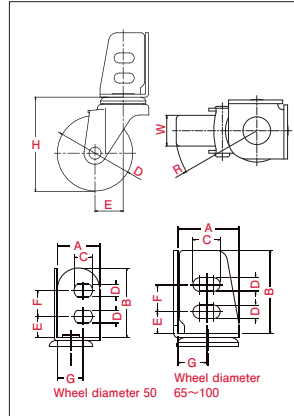
# SA

φ 50 65 75 100

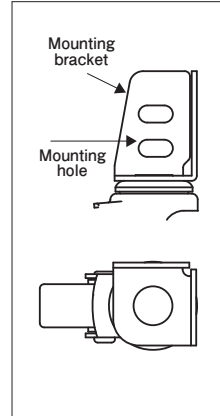
Swivel	Fixed
Plate Type	Screw-in Type / Angle Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper



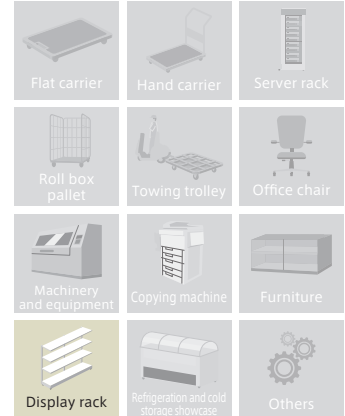
### External dimensions



### Mounting Method (Angle Type)



### Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (F×G,E[mm])	Hole Diameter (C×D[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SA-50R	Wheel:Rubber Tread:Rubber	50	20	65	31×51	19×19,15.5	13.5×9	22	47	30(30.6)
SA-65RH		65	25	88	45×61	20×21,16	20×10	27	61	50(51.0)
SA-75RH		75		96				28	66	60(61.2)
SA-50N	Wheel:Nylon Tread:Nylon	50	21	65	31×51	19×19,15.5	13.5×9	22	47	40(40.8)
SA-65N		65	25	88	45×61	20×21,16	20×10	27	61	60(61.2)
SA-75N		75		96				28	66	
SA-100N		100	32	132				32	83	90(91.8)
SA-65EL	Wheel:PP Tread:Elastomer	65	27	88	45×61	20×21,16	20×10	27	61	40(40.8)
SA-75EL		75		96				28	66	50(51.0)
SA-65UR	Wheel:Nylon Tread:Urethane	65	25	88	45×61	20×21,16	20×10	27	61	60(61.2)
SA-75UR		75	26	96				28	66	
SA-75NR	Wheel:Nylon Tread:Rubber	75	27	96	45×61	20×21,16	20×10	28	66	60(61.2)
SA-75NRB		75	27	96	45×61	20×21,16	20×10	28	66	60(61.2)
SA-100NR	Wheel:Nylon Tread:Rubber(including B)	100	32	132	45×61	20×21,16	20×10	32	82	90(91.8)
SA-75UHF	Wheel:Nylon Tread:Urethane(including B)	75	26	96	45×61	20×21,16	20×10	28	66	60(61.2)

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# LIGHT STAR (For Light Duty) / S-type SA

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (F×G,E[mm])	Hole Diameter (C×D[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SA-100GU		100	32	132	45×61	20×21,16	20×10	32	82	90(91.8)
SA-100W-P		100	32	132	45×61	20×21,16	20×10	32	82	90(91.8)
SA-100W		100	32	132	45×61	20×21,16	20×10	32	82	90(91.8)
SA-100NB		100	32	132	45×61	20×21,16	20×10	32	83	90(91.8)
SA-100UW		100	32	132	45×61	20×21,16	20×10	32	82	90(91.8)

# LIGHT STAR (For Light Duty) / S-type

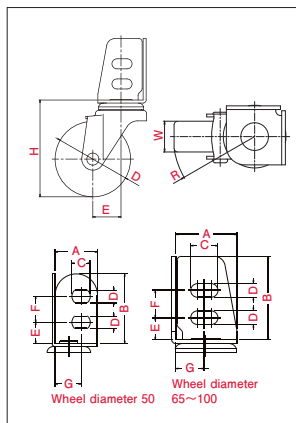
# SA-S

φ 50 65 75 100

Swivel	Fixed
Plate Type	Screw-in Type / Angle Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

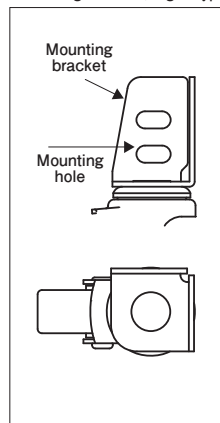


•External dimensions

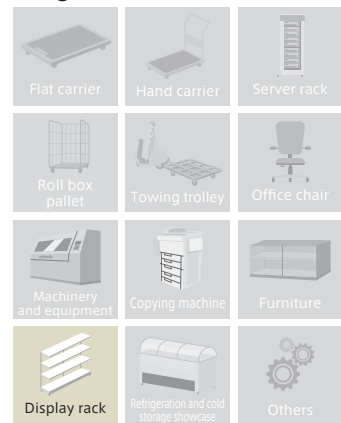


\*The Picture is a typical product image.

•Mounting Method (Angle Type)






•Usage









Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (F×G,E[mm])	Hole Diameter (C×D[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SA-50RS		50	20	65	31×51	19×19,15.5	13.5×9	22	49	30(30.6)
SA-65RHS		65	25	88	45×61	20×21,16	20×10	27	68	50(51.0)
SA-75RHS		75		96				28		60(61.2)
SA-50NS		50	21	65	31×51	19×19,15.5	13.5×9	22	49	40(40.8)
SA-65NS		65	25	88	45×61	20×21,16	20×10	27	68	60(61.2)
SA-75NS		75		96				28		
SA-100NS		100	32	132				32	86	90(91.8)

# LIGHT STAR (For Light Duty) / S-type SA-S

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (F×G,E[mm])	Hole Diameter (C×D[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SA-65ELS		65	27	88	45×61	20×21,16	20×10	27	68	40 (40.8)
SA-75ELS		75		96				28		50 (51.0)
SA-65URS		65	25	88	45×61	20×21,16	20×10	27	68	60 (61.2)
SA-75URS		75	26	96				28		
SA-75NRS		75	27	96	45×61	20×21,16	20×10	28	68	60 (61.2)

## SA-DS

SA-75NRBDS		75	27	96	45×61	20×21,16	20×10	28	70	60 (61.2)
SA-100NRS		100	32	132				32	86	90 (91.8)
SA-75UHFDS		75	26	96	45×61	20×21,16	20×10	28	70	60 (61.2)
SA-100GUS		100	32	132	45×61	20×21,16	20×10	32	86	90 (91.8)
SA-100WS-P		100	32	132	45×61	20×21,16	20×10	32	86	90 (91.8)
SA-100WS		100	32	132	45×61	20×21,16	20×10	32	86	90 (91.8)
SA-100NBS		100	32	132	45×61	20×21,16	20×10	32	86	90 (91.8)
SA-100UWS		100	32	132	45×61	20×21,16	20×10	32	86	90 (91.8)

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# LIGHT STAR (For Light Duty) / S-type

# ST

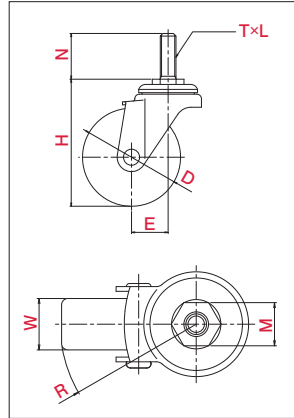
φ 50 65 75 100

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

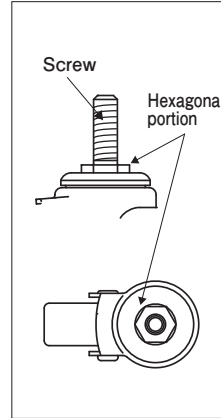


ST-75BN, M16 x 40

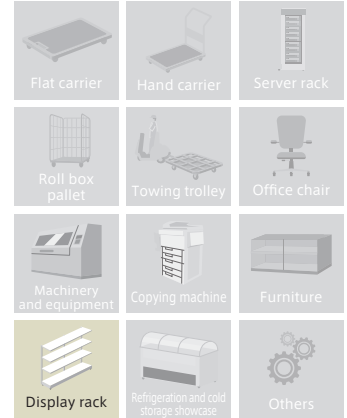
### External dimensions



### Mounting Method (Screw-in Type)



### Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	
ST-50EL, M12 x 35		50	27	74	M12	1.75	35	21	27	53	35(35.7)	
ST-50EL, M16 x 40					M16	2	40	23				
ST-50EL, UNF1/2 x 25					UNF1/2	20	25	21				
ST-50EL, W3/4 x 40					W3/4	10	40	23				
ST-65EL, M12 x 35		65	27	89	M12	1.75	35	21	27	61		40(40.8)
ST-65EL, M16 x 40					M16	2	40	23				
ST-65EL, UNF1/2 x 25					UNF1/2	20	25	21				
ST-65EL, W3/4 x 40					W3/4	10	40	23				
ST-75EL, M12 x 35		75	27	97	M12	1.75	35	21	28	66		50(51.0)
ST-75EL, M16 x 40					M16	2	40	23				
ST-75EL, UNF1/2 x 25					UNF1/2	20	25	21				
ST-75EL, W3/4 x 40					W3/4	10	40	23				
ST-100EL, M12 x 35	100	27	126	M12	1.75	35	21	31	82	50(51.0)		
ST-100EL, M16 x 40				M16	2	40	23					
ST-100EL, UNF1/2 x 25				UNF1/2	20	25	21					
ST-100EL, W3/4 x 40				W3/4	10	40	23					
ST-50RH, M12 x 35		50	28	74	M12	1.75	35	21	27	53	50(51.0)	
ST-50RH, M16 x 40					M16	2	40	23				
ST-50RH, UNF1/2 x 25					UNF1/2	20	25	21				
ST-50RH, W3/4 x 40					W3/4	10	40	23				
ST-65RH, M12 x 35		65	25	89	M12	1.75	35	21	27	61		50(51.0)
ST-65RH, M16 x 40					M16	2	40	23				
ST-65RH, UNF1/2 x 25					UNF1/2	20	25	21				
ST-65RH, W3/4 x 40					W3/4	10	40	23				
ST-75RH, M12 x 35		75	25	97	M12	1.75	35	21	28	66		60(61.2)
ST-75RH, M16 x 40					M16	2	40	23				
ST-75RH, UNF1/2 x 25					UNF1/2	20	25	21				
ST-75RH, W3/4 x 40					W3/4	10	40	23				
ST-100RH, M12 x 35	100	25	126	M12	1.75	35	21	31	82	50(51.0)		
ST-100RH, M16 x 40				M16	2	40	23					
ST-100RH, UNF1/2 x 25				UNF1/2	20	25	21					
ST-100RH, W3/4 x 40				W3/4	10	40	23					

Wheel:PP  
Tread:Elastomer




Wheel:Rubber  
Tread:Rubber

•We have specific spanner for castor wheel. Please purchase separately.

YUEI spanner (19x21mm wrench)  
21x23mm wrench



# LIGHT STAR (For Light Duty) / S-type ST

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)			
ST-50N,M12×35		50	28	74	M12	1.75	35	21	27	53	60(61.2)			
ST-50N,M16×40					M16	2	40	23						
ST-50N,UNF1/2×25					UNF1/2	20	25	21						
ST-50N,W3/4×40					W3/4	10	40	23						
ST-65N,M12×35		65	25	89	M12	1.75	35	21	27	61		70(71.4)		
ST-65N,M16×40					M16	2	40	23						
ST-65N,UNF1/2×25					UNF1/2	20	25	21						
ST-65N,W3/4×40					W3/4	10	40	23						
ST-75N,M12×35		75	25	97	M12	1.75	35	21	28	66			80(81.6)	
ST-75N,M16×40					M16	2	40	23						
ST-75N,UNF1/2×25					UNF1/2	20	25	21						
ST-75N,W3/4×40					W3/4	10	40	23						
ST-100N,M12×35		100	25	126	M12	1.75	35	21	31	82				60(61.2)
ST-100N,M16×40					M16	2	40	23						
ST-100N,UNF1/2×25					UNF1/2	20	25	21						
ST-100N,W3/4×40					W3/4	10	40	23						
ST-50BN,M12×35		50	28	74	M12	1.75	35	21	27	53	60(61.2)			
ST-50BN,M16×40					M16	2	40	23						
ST-50BN,UNF1/2×25					UNF1/2	20	25	21						
ST-50BN,W3/4×40					W3/4	10	40	23						
ST-65BN,M12×35		65	25	89	M12	1.75	35	21	27	61		70(71.4)		
ST-65BN,M16×40					M16	2	40	23						
ST-65BN,UNF1/2×25					UNF1/2	20	25	21						
ST-65BN,W3/4×40					W3/4	10	40	23						
ST-75BN,M12×35		75	25	97	M12	1.75	35	21	28	66			80(81.6)	
ST-75BN,M16×40					M16	2	40	23						
ST-75BN,UNF1/2×25					UNF1/2	20	25	21						
ST-75BN,W3/4×40					W3/4	10	40	23						
ST-100BN,M12×35		100	25	126	M12	1.75	35	21	31	82				60(61.2)
ST-100BN,M16×40					M16	2	40	23						
ST-100BN,UNF1/2×25					UNF1/2	20	25	21						
ST-100BN,W3/4×40					W3/4	10	40	23						
ST-50UR,M12×35		50	25	74	M12	1.75	35	21	27	53	60(61.2)			
ST-50UR,M16×40					M16	2	40	23						
ST-50UR,UNF1/2×25					UNF1/2	20	25	21						
ST-50UR,W3/4×40					W3/4	10	40	23						
ST-65UR,M12×35		65	25	89	M12	1.75	35	21	27	61		60(61.2)		
ST-65UR,M16×40					M16	2	40	23						
ST-65UR,UNF1/2×25					UNF1/2	20	25	21						
ST-65UR,W3/4×40					W3/4	10	40	23						
ST-75UR,M12×35		75	26	97	M12	1.75	35	21	28	66			70(71.4)	
ST-75UR,M16×40					M16	2	40	23						
ST-75UR,UNF1/2×25					UNF1/2	20	25	21						
ST-75UR,W3/4×40					W3/4	10	40	23						
ST-100UR,M12×35		100	28	126	M12	1.75	35	21	31	82				60(61.2)
ST-100UR,M16×40					M16	2	40	23						
ST-100UR,UNF1/2×25					UNF1/2	20	25	21						
ST-100UR,W3/4×40					W3/4	10	40	23						



Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock



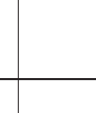
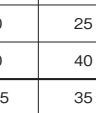
Shock Absorbing

Silence

Towing

Stainless Steel

# LIGHT STAR (For Light Duty) / S-type ST

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ST-65RHE,M12×35		65	25	89	M12	1.75	35	21	27	61	50(51.0)
ST-65RHE,M16×40					M16	2	40	23			
ST-65RHE,UNF1/2×25					UNF1/2	20	25	21			
ST-65RHE,W3/4×40					W3/4	10	40	23			
ST-75RHE,M12×35		75	25	97	M12	1.75	35	21	28	66	60(61.2)
ST-75RHE,M16×40					M16	2	40	23			
ST-75RHE,UNF1/2×25					UNF1/2	20	25	21			
ST-75RHE,W3/4×40					W3/4	10	40	23			
ST-100RHE,M12×35		100	25	126	M12	1.75	35	21	31	82	50(51.0)
ST-100RHE,M16×40					M16	2	40	23			
ST-100RHE,UNF1/2×25					UNF1/2	20	25	21			
ST-100RHE,W3/4×40					W3/4	10	40	23			
ST-75NR,M12×35		75	27	97	M12	1.75	35	21	28	66	60(61.2)
ST-75NR,M16×40					M16	2	40	23			
ST-75NR,UNF1/2×25					UNF1/2	20	25	21			
ST-75NR,W3/4×40					W3/4	10	40	23			
ST-100NR,M12×35		100	27	126	M12	1.75	35	21	31	82	60(61.2)
ST-100NR,M16×40					M16	2	40	23			
ST-100NR,UNF1/2×25					UNF1/2	20	25	21			
ST-100NR,W3/4×40					W3/4	10	40	23			
ST-75NRB,M12×35		75	27	97	M12	1.75	35	21	28	66	60(61.2)
ST-75NRB,M16×40					M16	2	40	23			
ST-75NRB,UNF1/2×25					UNF1/2	20	25	21			
ST-75NRB,W3/4×40					W3/4	10	40	23			
ST-100NRB,M12×35		100	27	126	M12	1.75	35	21	31	82	60(61.2)
ST-100NRB,M16×40					M16	2	40	23			
ST-100NRB,UNF1/2×25					UNF1/2	20	25	21			
ST-100NRB,W3/4×40					W3/4	10	40	23			
ST-75UHF,M12×35		75	26	97	M12	1.75	35	21	28	66	70(71.4)
ST-75UHF,M16×40					M16	2	40	23			
ST-75UHF,UNF1/2×25					UNF1/2	20	25	21			
ST-75UHF,W3/4×40					W3/4	10	40	23			
ST-100UHF,M12×35		100	28	126	M12	1.75	35	21	31	82	60(61.2)
ST-100UHF,M16×40					M16	2	40	23			
ST-100UHF,UNF1/2×25					UNF1/2	20	25	21			
ST-100UHF,W3/4×40					W3/4	10	40	23			

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# SUS-ST

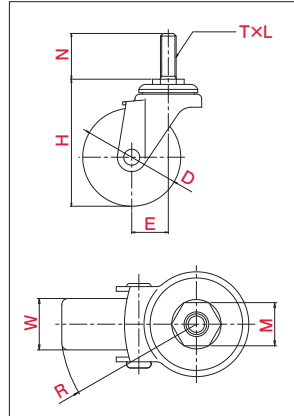
φ 50 65 75

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single stopper	Double stopper

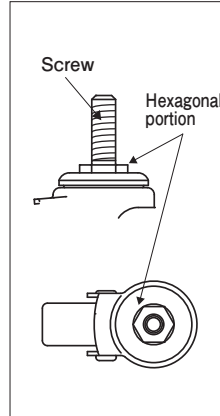


SUS-ST-75N,  
M16×40

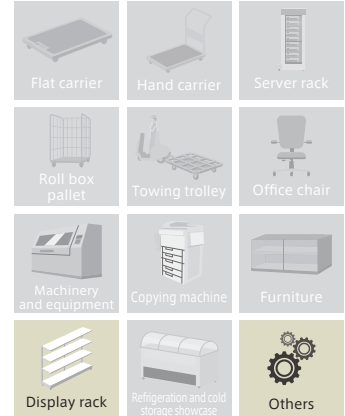
•External dimensions



•Mounting Method (Screw-in Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-ST-50EL,M12×35		50	27	74	M12	1.75	35	21	27	53	35(35.7)
SUS-ST-50EL,M16×40					M16	2	40	23			
SUS-ST-50EL,W3/4×40					W3/4	10	40	23			
SUS-ST-65EL,M12×35		65	27	89	M12	1.75	35	21	27	61	40(40.8)
SUS-ST-65EL,M16×40					M16	2	40	23			
SUS-ST-65EL,W3/4×40					W3/4	10	40	23			
SUS-ST-75EL,M12×35		75	27	97	M12	1.75	35	21	28	66	50(51.8)
SUS-ST-75EL,M16×40					M16	2	40	23			
SUS-ST-75EL,W3/4×40					W3/4	10	40	23			
SUS-ST-50RH,M12×35		50	28	74	M12	1.75	35	21	27	53	50(51.0)
SUS-ST-50RH,M16×40					M16	2	40	23			
SUS-ST-50RH,W3/4×40					W3/4	10	40	23			
SUS-ST-65RH,M12×35		65	25	89	M12	1.75	35	21	27	61	60(61.2)
SUS-ST-65RH,M16×40					M16	2	40	23			
SUS-ST-65RH,W3/4×40					W3/4	10	40	23			
SUS-ST-75RH,M12×35		75	25	97	M12	1.75	35	21	28	66	60(61.2)
SUS-ST-75RH,M16×40					M16	2	40	23			
SUS-ST-75RH,W3/4×40					W3/4	10	40	23			
SUS-ST-50N,M12×35		50	28	74	M12	1.75	35	21	27	53	60(61.2)
SUS-ST-50N,M16×40					M16	2	40	23			
SUS-ST-50N,W3/4×40					W3/4	10	40	23			
SUS-ST-65N,M12×35		65	25	89	M12	1.75	35	21	27	61	70(71.4)
SUS-ST-65N,M16×40					M16	2	40	23			
SUS-ST-65N,W3/4×40					W3/4	10	40	23			
SUS-ST-75N,M12×35		75	25	97	M12	1.75	35	21	28	66	80(81.6)
SUS-ST-75N,M16×40					M16	2	40	23			
SUS-ST-75N,W3/4×40					W3/4	10	40	23			
SUS-ST-75NR,M12×35		75	27	97	M12	1.75	35	21	28	66	60(61.2)
SUS-ST-75NR,M16×40					M16	2	40	23			
SUS-ST-75NR,W3/4×40					W3/4	10	40	23			

•We have specific spanner for castor wheel. Please purchase separately.

YUEI spanner (19×21mm wrench)  
21×23mm wrench

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing


Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# LIGHT STAR (For Light Duty, Stainless Steel) / S-type SUS-ST

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-ST-50UR,M12×35		50	25	74	M12	1.75	35	21	27	53	60(61.2)
SUS-ST-50UR,M16×40					M16	2	40	23			
SUS-ST-50UR,W3/4×40					W3/4	10	40	23			
SUS-ST-65UR,M12×35		65	89	M12	1.75	35	21	27	61		
SUS-ST-65UR,M16×40				M16	2	40	23				
SUS-ST-65UR,W3/4×40				W3/4	10	40	23				
SUS-ST-75UR,M12×35		75	26	97	M12	1.75	35	21	28	66	70(71.4)
SUS-ST-75UR,M16×40					M16	2	40	23			
SUS-ST-75UR,W3/4×40					W3/4	10	40	23			

# LIGHT STAR (For Light Duty, Silence) / S-type

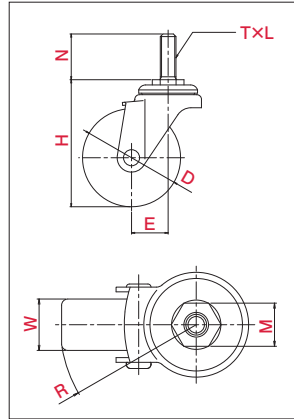
# SFHT

φ 75 100

Swivel	Fixed
Plate Type	Screw-in Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Radial Bearing
Single stopper	Double stopper

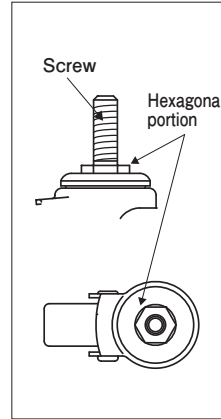


•External dimensions

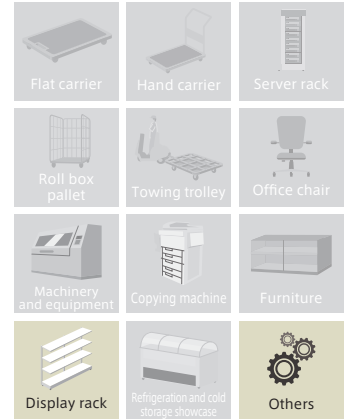




\*The Picture is a typical product image.

•Mounting Method (Screw-in Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SFHT-75NRB,M16×40		75	27	102	M16	2	40	23	29	67	60(61.2)
SFHT-100NRB,M16×40		100		126					31	81	
SFHT-100SEL,M16×40		100	28	126	M16	2	40	23	31	81	50(51.0)

•We have specific spanner for caster wheel. Please purchase separately. 21×23mm wrench

# ST-S

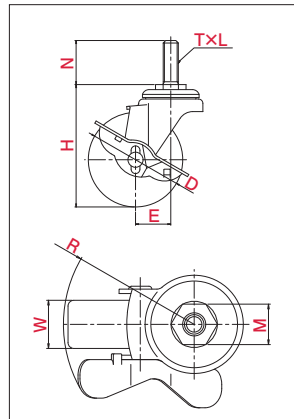
φ 50 65 75 100

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

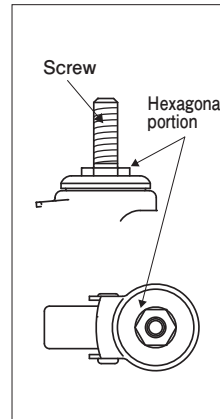


ST-75BNS,  
M16×40

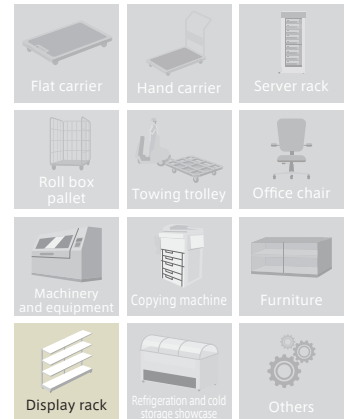
•External dimensions





•Mounting Method (Screw-in Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ST-50ELS,M12×35		50	27	74	M12	1.75	35	21	27	67	35 (35.7)
ST-50ELS,M16×40					M16	2	40	23			
ST-50ELS,UNF1/2×25					UNF1/2	20	25	21			
ST-50ELS,W3/4×40					W3/4	10	40	23			
ST-65ELS,M12×35		65	27	89	M12	1.75	35	21	68	40 (40.8)	
ST-65ELS,M16×40					M16	2	40	23			
ST-65ELS,UNF1/2×25					UNF1/2	20	25	21			
ST-65ELS,W3/4×40					W3/4	10	40	23			
ST-75ELS,M12×35		75	27	97	M12	1.75	35	21	28	50 (51.0)	
ST-75ELS,M16×40					M16	2	40	23			
ST-75ELS,UNF1/2×25					UNF1/2	20	25	21			
ST-75ELS,W3/4×40					W3/4	10	40	23			
ST-100ELS,M12×35	100	27	126	M12	1.75	35	21	31	82	50 (51.0)	
ST-100ELS,M16×40				M16	2	40	23				
ST-100ELS,UNF1/2×25				UNF1/2	20	25	21				
ST-100ELS,W3/4×40				W3/4	10	40	23				
ST-50RHS,M12×35		50	28	74	M12	1.75	35	21	27	67	50 (51.0)
ST-50RHS,M16×40					M16	2	40	23			
ST-50RHS,UNF1/2×25					UNF1/2	20	25	21			
ST-50RHS,W3/4×40					W3/4	10	40	23			
ST-65RHS,M12×35		65	28	89	M12	1.75	35	21	68	60 (61.2)	
ST-65RHS,M16×40					M16	2	40	23			
ST-65RHS,UNF1/2×25					UNF1/2	20	25	21			
ST-65RHS,W3/4×40					W3/4	10	40	23			
ST-75RHS,M12×35		75	25	97	M12	1.75	35	21	28	50 (51.0)	
ST-75RHS,M16×40					M16	2	40	23			
ST-75RHS,UNF1/2×25					UNF1/2	20	25	21			
ST-75RHS,W3/4×40					W3/4	10	40	23			
ST-100RHS,M12×35	100	25	126	M12	1.75	35	21	31	82	50 (51.0)	
ST-100RHS,M16×40				M16	2	40	23				
ST-100RHS,UNF1/2×25				UNF1/2	20	25	21				
ST-100RHS,W3/4×40				W3/4	10	40	23				

Wheel:PP  
Tread:Elastomer




Wheel:Rubber  
Tread:Rubber

•We have specific spanner for caster wheel.  
Please purchase separately.

YUEI spanner (19×21mm wrench)  
21×23mm wrench

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

# LIGHT STAR (For Light Duty) / S-type ST-S

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ST-50NS,M12×35		50	28	74	M12	1.75	35	21	27	67	60(61.2)
ST-50NS,M16×40					M16	2	40	23			
ST-50NS,UNF1/2×25					UNF1/2	20	25	21			
ST-50NS,W3/4×40					W3/4	10	40	23			
ST-65NS,M12×35		65	89	M12	1.75	35	21	68	70(71.4)		
ST-65NS,M16×40				M16	2	40	23				
ST-65NS,UNF1/2×25				UNF1/2	20	25	21				
ST-65NS,W3/4×40				W3/4	10	40	23				
ST-75NS,M12×35		75	25	97	M12	1.75	35	21	28	80(81.6)	
ST-75NS,M16×40					M16	2	40	23			
ST-75NS,UNF1/2×25					UNF1/2	20	25	21			
ST-75NS,W3/4×40					W3/4	10	40	23			
ST-100NS,M12×35		100	126	M12	1.75	35	21	31	82	60(61.2)	
ST-100NS,M16×40				M16	2	40	23				
ST-100NS,UNF1/2×25				UNF1/2	20	25	21				
ST-100NS,W3/4×40				W3/4	10	40	23				
ST-50BNS,M12×35		50	28	74	M12	1.75	35	21	27	67	60(61.2)
ST-50BNS,M16×40					M16	2	40	23			
ST-50BNS,UNF1/2×25					UNF1/2	20	25	21			
ST-50BNS,W3/4×40					W3/4	10	40	23			
ST-65BNS,M12×35		65	89	M12	1.75	35	21	68	70(71.4)		
ST-65BNS,M16×40				M16	2	40	23				
ST-65BNS,UNF1/2×25				UNF1/2	20	25	21				
ST-65BNS,W3/4×40				W3/4	10	40	23				
ST-75BNS,M12×35		75	25	97	M12	1.75	35	21	28	80(81.6)	
ST-75BNS,M16×40					M16	2	40	23			
ST-75BNS,UNF1/2×25					UNF1/2	20	25	21			
ST-75BNS,W3/4×40					W3/4	10	40	23			
ST-100BNS,M12×35		100	126	M12	1.75	35	21	31	82	60(61.2)	
ST-100BNS,M16×40				M16	2	40	23				
ST-100BNS,UNF1/2×25				UNF1/2	20	25	21				
ST-100BNS,W3/4×40				W3/4	10	40	23				
ST-50URS,M12×35		50	25	74	M12	1.75	35	21	27	67	60(61.2)
ST-50URS,M16×40					M16	2	40	23			
ST-50URS,UNF1/2×25					UNF1/2	20	25	21			
ST-50URS,W3/4×40					W3/4	10	40	23			
ST-65URS,M12×35		65	89	M12	1.75	35	21	68	70(71.4)		
ST-65URS,M16×40				M16	2	40	23				
ST-65URS,UNF1/2×25				UNF1/2	20	25	21				
ST-65URS,W3/4×40				W3/4	10	40	23				
ST-75URS,M12×35		75	26	97	M12	1.75	35	21	28	80(81.6)	
ST-75URS,M16×40					M16	2	40	23			
ST-75URS,UNF1/2×25					UNF1/2	20	25	21			
ST-75URS,W3/4×40					W3/4	10	40	23			
ST-100URS,M12×35		100	28	126	M12	1.75	35	21	31	82	60(61.2)
ST-100URS,M16×40					M16	2	40	23			
ST-100URS,UNF1/2×25					UNF1/2	20	25	21			
ST-100URS,W3/4×40					W3/4	10	40	23			





Wheel:Nylon  
Tread:Nylon

Wheel:Nylon(Black)  
Tread:Nylon(Black)

Wheel:Nylon  
Tread:Urethane

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# LIGHT STAR (For Light Duty) / S-type ST-S

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ST-65RHES,M12×35		65		89	M12	1.75	35	21	27	68	50(51.0)
ST-65RHES,M16×40					M16	2	40	23			
ST-65RHES,UNF1/2×25					UNF1/2	20	25	21			
ST-65RHES,W3/4×40					W3/4	10	40	23			
ST-75RHES,M12×35		75	25	97	M12	1.75	35	21	28	68	60(61.2)
ST-75RHES,M16×40					M16	2	40	23			
ST-75RHES,UNF1/2×25					UNF1/2	20	25	21			
ST-75RHES,W3/4×40					W3/4	10	40	23			
ST-100RHES,M12×35		100		126	M12	1.75	35	21	31	82	50(51.0)
ST-100RHES,M16×40					M16	2	40	23			
ST-100RHES,UNF1/2×25					UNF1/2	20	25	21			
ST-100RHES,W3/4×40					W3/4	10	40	23			
ST-75NRS,M12×35		75	27	97	M12	1.75	35	21	28	68	60(61.2)
ST-75NRS,M16×40					M16	2	40	23			
ST-75NRS,UNF1/2×25					UNF1/2	20	25	21			
ST-75NRS,W3/4×40					W3/4	10	40	23			
ST-100NRS,M12×35		100		126	M12	1.75	35	21	31	82	50(51.0)
ST-100NRS,M16×40					M16	2	40	23			
ST-100NRS,UNF1/2×25					UNF1/2	20	25	21			
ST-100NRS,W3/4×40					W3/4	10	40	23			

# LIGHT STAR (For Light Duty, Stainless Steel) / S-type

# SUS-ST-S

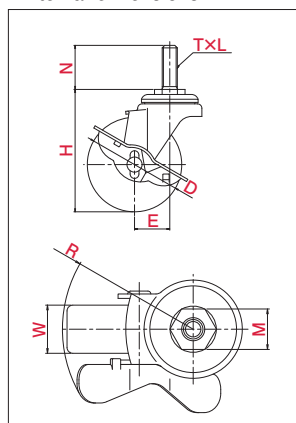
φ 50 65 75

Swivel	Fixed
Plate Type	Screw-in Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single stopper	Double stopper



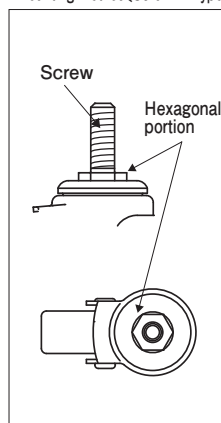
SUS-ST-75NS, M16×40

### External dimensions

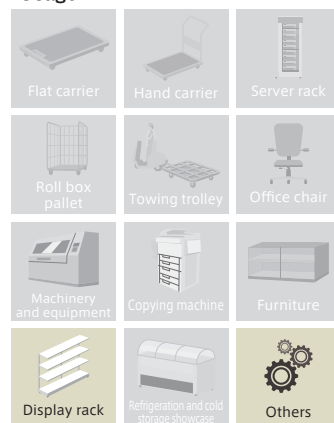



\*The Picture is a typical product image.

### Mounting Method (Screw-in Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-ST-75NRS,M12×35		75	27	97	M12	1.75	35	21	28	68	60(61.2)
SUS-ST-75NRS,M16×40					M16	2	40	23			
SUS-ST-75NRS,W3/4×40					W3/4	10	40	23			

\*We have specific spanner for castor wheel. Please purchase separately.

YUEI spanner (19×21mm wrench)  
21×23mm wrench

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

# LIGHT STAR (For Light Duty, Stainless Steel) / S-type SUS-ST-S

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-ST-50ELS,M12×35		50	27	74	M12	1.75	35	21	27	67	35(35.7)
SUS-ST-50ELS,M16×40					M16	2	40	23			
SUS-ST-50ELS,W3/4×40					W3/4	10					
SUS-ST-65ELS,M12×35		65	27	89	M12	1.75	35	21	27	67	40(40.8)
SUS-ST-65ELS,M16×40					M16	2	40	23			
SUS-ST-65ELS,W3/4×40					W3/4	10					
SUS-ST-75ELS,M12×35		75	27	97	M12	1.75	35	21	28	68	50(51.0)
SUS-ST-75ELS,M16×40					M16	2	40	23			
SUS-ST-75ELS,W3/4×40					W3/4	10					
SUS-ST-50RHS,M12×35		50	28	74	M12	1.75	35	21	27	67	50(51.0)
SUS-ST-50RHS,M16×40					M16	2	40	23			
SUS-ST-50RHS,W3/4×40					W3/4	10					
SUS-ST-65RHS,M12×35		65	25	89	M12	1.75	35	21	27	67	50(51.0)
SUS-ST-65RHS,M16×40					M16	2	40	23			
SUS-ST-65RHS,W3/4×40					W3/4	10					
SUS-ST-75RHS,M12×35		75	25	97	M12	1.75	35	21	28	68	60(61.2)
SUS-ST-75RHS,M16×40					M16	2	40	23			
SUS-ST-75RHS,W3/4×40					W3/4	10					
SUS-ST-50NS,M12×35		50	28	74	M12	1.75	35	21	27	67	60(61.2)
SUS-ST-50NS,M16×40					M16	2	40	23			
SUS-ST-50NS,W3/4×40					W3/4	10					
SUS-ST-65NS,M12×35		65	25	89	M12	1.75	35	21	27	67	70(71.4)
SUS-ST-65NS,M16×40					M16	2	40	23			
SUS-ST-65NS,W3/4×40					W3/4	10					
SUS-ST-75NS,M12×35		75	25	97	M12	1.75	35	21	28	68	80(81.6)
SUS-ST-75NS,M16×40					M16	2	40	23			
SUS-ST-75NS,W3/4×40					W3/4	10					
SUS-ST-50URS,M12×35		50	25	74	M12	1.75	35	21	27	67	60(61.2)
SUS-ST-50URS,M16×40					M16	2	40	23			
SUS-ST-50URS,W3/4×40					W3/4	10					
SUS-ST-65URS,M12×35		65	25	89	M12	1.75	35	21	27	67	60(61.2)
SUS-ST-65URS,M16×40					M16	2	40	23			
SUS-ST-65URS,W3/4×40					W3/4	10					
SUS-ST-75URS,M12×35		75	26	97	M12	1.75	35	21	28	68	70(71.4)
SUS-ST-75URS,M16×40					M16	2	40	23			
SUS-ST-75URS,W3/4×40					W3/4	10					



LIGHT STAR (For Light Duty) / S-type

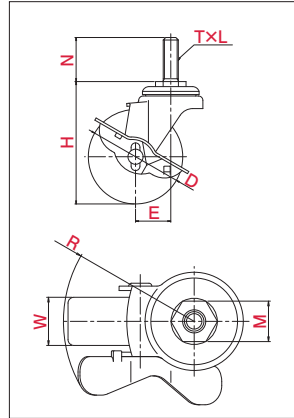
# ST-DS

φ 75 100

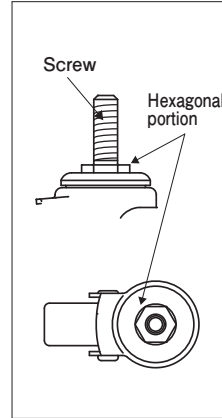
Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper



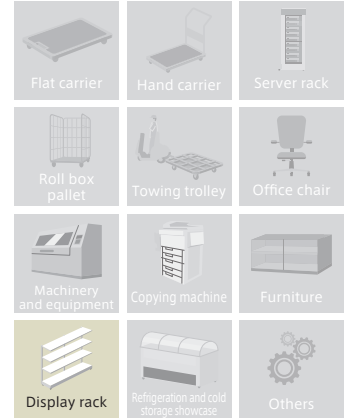
•External dimensions





•Mounting Method (Screw-in Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ST-75NRBDS, M12×35		75	27	97	M12	1.75	35	21	28	70	60(61.2)
ST-75NRBDS, M16×40					M16	2	40	23			
ST-75NRBDS, UNF1/2×25					UNF1/2	20	25	21			
ST-75NRBDS, W3/4×40					W3/4	10	40	23			
ST-100NRBDS, M12×35		100	126	126	M12	1.75	35	21	31	82	
ST-100NRBDS, M16×40					M16	2	40	23			
ST-100NRBDS, UNF1/2×25					UNF1/2	20	25	21			
ST-100NRBDS, W3/4×40					W3/4	10	40	23			
ST-75UHFDS, M12×35		75	26	97	M12	1.75	35	21	28	70	70(71.4)
ST-75UHFDS, M16×40					M16	2	40	23			
ST-75UHFDS, UNF1/2×25					UNF1/2	20	25	21			
ST-75UHFDS, W3/4×40					W3/4	10	40	23			
ST-100UHFDS, M12×35		100	126	126	M12	1.75	35	21	31	82	
ST-100UHFDS, M16×40					M16	2	40	23			
ST-100UHFDS, UNF1/2×25					UNF1/2	20	25	21			
ST-100UHFDS, W3/4×40					W3/4	10	40	23			

Wheel: Nylon  
Tread: Rubber (including B)

Wheel: Nylon  
Tread: Urethane (including B)

•We have specific spanner for caster wheel.  
Please purchase separately.

YUEI spanner (19×21mm wrench)  
21×23mm wrench

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

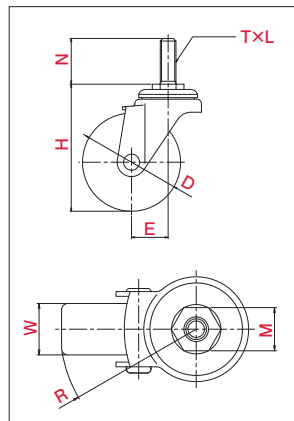
LIGHT STAR (For Light Duty) / S-type

# ST SPECIAL $\phi 75$ 100

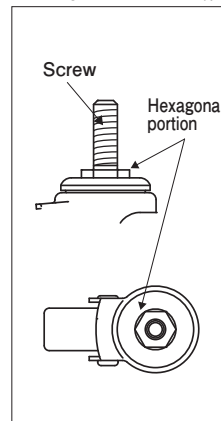
Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper



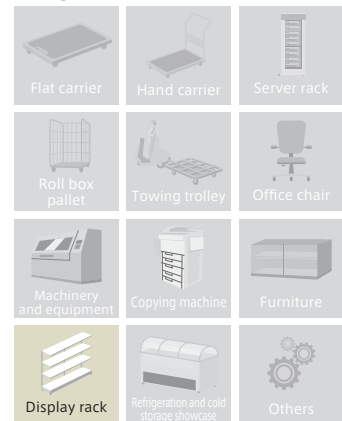
External dimensions



Mounting Method (Screw-in Type)



Usage



\*The Picture is a typical product image.


Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ST-75NRB (H104), M12x35		75	27	104	M12	1.75	35	21	26	65	70 (71.4)
*ST-75NRBSW-1, M12x35										92	
*ST-75NRBSW-2, M12x35										104	
*ST-75NRBSW-3, M12x35					96						
ST-75NRB (H104), M16x40					65						
*ST-75NRBSW-1, M16x40					92						
*ST-75NRBSW-2, M16x40		104									
*ST-75NRBSW-3, M16x40		96									
ST-100NRB (H132), M12x35		100	132	M12	1.75	35	21	29	80		
*ST-100NRBSW-1, M12x35									93		
*ST-100NRBSW-2, M12x35									95		
*ST-100NRBSW-3, M12x35				97							
ST-100NRB (H132), M16x40	80										
*ST-100NRBSW-1, M16x40	93										
*ST-100NRBSW-2, M16x40	95										
*ST-100NRBSW-3, M16x40	97										
ST-75NU (H104), M12x35		75	25	104	M12	1.75	35	21	26	65	70 (71.4)
*ST-75NUSW-1, M12x35										92	
*ST-75NUSW-2, M12x35										104	
*ST-75NUSW-3, M12x35					96						
ST-75NU (H104), M16x40					65						
*ST-75NUSW-1, M16x40					92						
*ST-75NUSW-2, M16x40		104									
*ST-75NUSW-3, M16x40		96									
ST-100NU (H132), M12x35		100	132	M12	1.75	35	21	29	80		
*ST-100NUSW-1, M12x35									93		
*ST-100NUSW-2, M12x35									95		
*ST-100NUSW-3, M12x35				97							
ST-100NU (H132), M16x40	80										
*ST-100NUSW-1, M16x40	93										
*ST-100NUSW-2, M16x40	95										
*ST-100NUSW-3, M16x40	97										

\* (with stopper)

•We have specific spanner for caster wheel.  
Please purchase separately.

YUEI spanner (19x21mm wrench)  
21x23mm wrench

# LIGHT STAR (For Light Duty) / S-type ST<sup>SPECIAL</sup>

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ST-75UHF (H104), M12×35		75	26	104	M12	1.75	35	21	26	65	70 (71.4)
*ST-75UHFSW-1, M12×35										92	
*ST-75UHFSW-2, M12×35										104	
*ST-75UHFSW-3, M12×35										96	
ST-75UHF (H104), M16×40										65	
*ST-75UHFSW-1, M16×40										92	
*ST-75UHFSW-2, M16×40										104	
*ST-75UHFSW-3, M16×40										96	
ST-100UHF (H132), M12×35		100	28	132	M12	1.75	35	21	29	80	
*ST-100UHFSW-1, M12×35										93	
*ST-100UHFSW-2, M12×35										95	
*ST-100UHFSW-3, M12×35										97	
ST-100UHF (H132), M16×40										80	
*ST-100UHFSW-1, M16×40										93	
*ST-100UHFSW-2, M16×40										95	
*ST-100UHFSW-3, M16×40										97	

\* (with stopper)

# LIGHT STAR (For Light Duty, Silence) / S-type

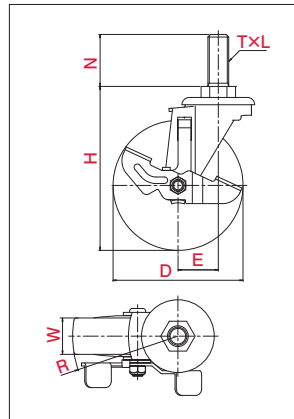
# SFHT-DS

φ 75 100

Swivel	Fixed
Plate Type	Screw-in Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Radial Bearing
Single stopper	Double stopper

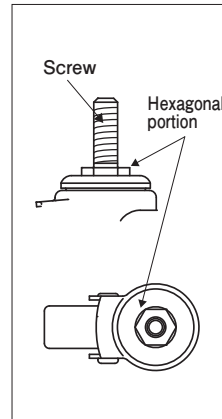


### External dimensions

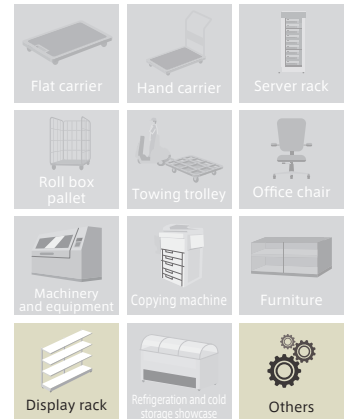




\*The Picture is a typical product image.

### Mounting Method (Screw-in Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SFHT-75NRBDS, M16×40		75	27	102	M16	2	40	23	29	71	60 (61.2)
SFHT-100NRBDS, M16×40		100		126					31	81	
SFHT-100SELDS, M16×40		100	28	126	M16	2	40	23	31	81	50 (51.0)

\*We have specific spanner for caster wheel. Please purchase separately.

21×23mm wrench

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

LIGHT STAR (For Light Duty) / S-type

# STF

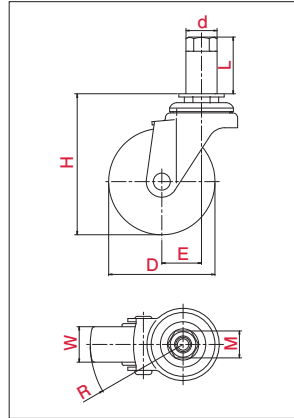
φ 50 65 75

Swivel		Fixed
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)		CP (Chromium Plating)
Single Bearing		Double Bearing
Single stopper		Double stopper

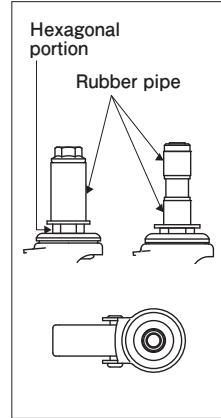


STF-75BN, φ24P

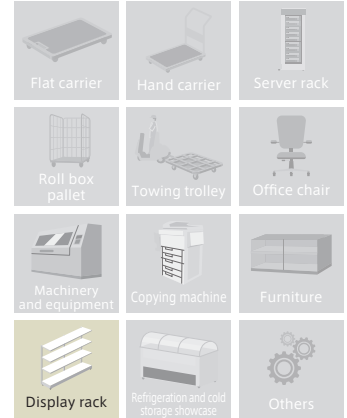
•External dimensions



•Mounting Method (Insertion Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Pipe Diameter (d[mm])	Axis Length (L[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
STF-50EL, φ 22		50	27	77	22	40	21	27	53	35(35.7)
STF-50EL, φ 24P					24					
STF-50EL, φ 34					34					
STF-65EL, φ 22		65	27	92	22	40				
STF-65EL, φ 24P					24					
STF-65EL, φ 34					34			60		
STF-75EL, φ 22		75	25	100	22	40				
STF-75EL, φ 24P					24					
STF-75EL, φ 34					34			60		
STF-50RH, φ 22		50	28	77	22	40	21	27	53	50(51.0)
STF-50RH, φ 24P					24					
STF-50RH, φ 34					34					
STF-65RH, φ 22		65	25	92	22	40				
STF-65RH, φ 24P					24					
STF-65RH, φ 34					34			60		
STF-75RH, φ 22		75	25	100	22	40				
STF-75RH, φ 24P					24					
STF-75RH, φ 34					34			60		
STF-50N, φ 22		50	28	77	22	40	21	27	53	60(61.2)
STF-50N, φ 24P					24					
STF-50N, φ 34					34					
STF-65N, φ 22		65	25	92	22	40				
STF-65N, φ 24P					24					
STF-65N, φ 34					34			60		
STF-75N, φ 22		75	25	100	22	40				
STF-75N, φ 24P					24					
STF-75N, φ 34					34			60		

•We have specific spanner for castor wheel. Please purchase separately.

YUEI spanner (19×21mm wrench)  
21×23mm wrench

# LIGHT STAR (For Light Duty) / S-type STF

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Pipe Diameter (d[mm])	Axis Length (L[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
STF-50BN, φ22		50	28	77	22	40	21	27	53	60(61.2)
STF-50BN, φ24P					24					
STF-50BN, φ34					34					
STF-65BN, φ22		65	25	92	22	40		28	66	
STF-65BN, φ24P					24					
STF-65BN, φ34					34					
STF-75BN, φ24P		75	26	100	22	40		28	66	
STF-75BN, φ22					24					
STF-75BN, φ34					34					
Wheel:Nylon(Black) Tread:Nylon(Black)										
STF-50UR, φ22		50	25	77	22	40	21	27	53	60(61.2)
STF-50UR, φ24P					24					
STF-50UR, φ34					34					
STF-65UR, φ22		65	26	92	22	40		28	66	
STF-65UR, φ24P					24					
STF-65UR, φ34					34					
STF-75UR, φ22		75	26	100	22	40		28	66	
STF-75UR, φ24P					24					
STF-75UR, φ34					34					
Wheel:Nylon Tread:Urethane										
STF-65RHE, φ22		65	25	92	22	40	21	27	61	50(51.0)
STF-65RHE, φ24P					24					
STF-65RHE, φ34					34					
STF-75RHE, φ22		75	26	100	22	40		28	66	
STF-75RHE, φ24P					24					
STF-75RHE, φ34					34					
Wheel:Conductive Rubber Tread:Conductive Rubber										
STF-75NR, φ22		75	27	100	22	40	21	28	66	60(61.2)
STF-75NR, φ24P					24					
STF-75NR, φ34					34					
Wheel:Nylon Tread:Rubber										
STF-75NRB, φ22		75	27	100	22	40	21	28	66	60(61.2)
STF-75NRB, φ24P					24					
STF-75NRB, φ34					34					
Wheel:Nylon Tread:Rubber(including B)										
STF-75UHF, φ22		75	26	100	22	40	21	28	66	70(71.4)
STF-75UHF, φ24P					24					
STF-75UHF, φ34					34					
Wheel:Nylon Tread:Urethane(including B)										

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

LIGHT STAR (For Light Duty) / S-type

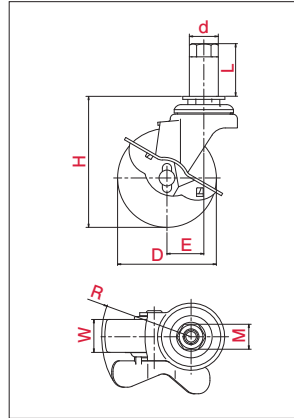
# STF-S

φ 50 65 75

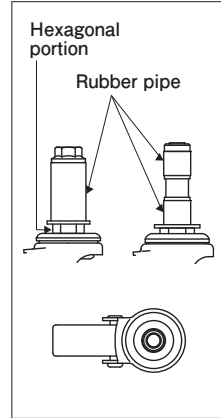
Swivel		Fixed
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)		CP (Chromium Plating)
Single Bearing		Double Bearing
Single stopper		Double stopper



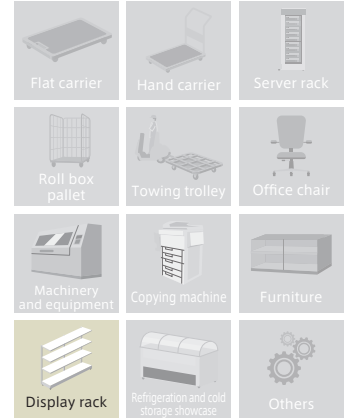
•External dimensions



•Mounting Method (Insertion Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Pipe Diameter (d[mm])	Axis Length (L[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
STF-50ELS, φ 22		50	27	77	22	40	21	27	67	35 (35.7)
STF-50ELS, φ 24P					24					
STF-50ELS, φ 34					34					
STF-65ELS, φ 22		65	27	92	22	40	21	27	68	40 (40.8)
STF-65ELS, φ 24P					24					
STF-65ELS, φ 34					34					
STF-75ELS, φ 22		75	27	100	22	40	21	27	68	50 (51.0)
STF-75ELS, φ 24P					24					
STF-75ELS, φ 34					34					
STF-50RHS, φ 22		50	28	77	22	40	21	27	67	50 (51.0)
STF-50RHS, φ 24P					24					
STF-50RHS, φ 34					34					
STF-65RHS, φ 22		65	25	92	22	40	21	27	68	60 (61.2)
STF-65RHS, φ 24P					24					
STF-65RHS, φ 34					34					
STF-75RHS, φ 22		75	25	100	22	40	21	27	68	70 (71.4)
STF-75RHS, φ 24P					24					
STF-75RHS, φ 34					34					
STF-50NS, φ 22		50	28	77	22	40	21	27	67	60 (61.2)
STF-50NS, φ 24P					24					
STF-50NS, φ 34					34					
STF-65NS, φ 22		65	25	92	22	40	21	27	68	70 (71.4)
STF-65NS, φ 24P					24					
STF-65NS, φ 34					34					
STF-75NS, φ 22		75	25	100	22	40	21	27	68	70 (71.4)
STF-75NS, φ 24P					24					
STF-75NS, φ 34					34					

•We have specific spanner for castor wheel. Please purchase separately.

YUEI spanner (19×21mm wrench)  
21×23mm wrench

# LIGHT STAR (For Light Duty) / S-type STF-S

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Pipe Diameter (d[mm])	Axis Length (L[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
STF-50BNS, φ22	 Wheel:Nylon(Black) Tread:Nylon(Black)	50	28	74	22	40	21	27	67	60(61.2)
STF-50BNS, φ24P					24					
STF-50BNS, φ34					34					
STF-65BNS, φ22		65	25	89	22	40		28	68	70(71.4)
STF-65BNS, φ24P					24					
STF-65BNS, φ34					34					
STF-75BNS, φ24P		75	26	97	22	40		28	68	70(71.4)
STF-75BNS, φ22					24					
STF-75BNS, φ34					34					
STF-50URS, φ22	 Wheel:Nylon Tread:Urethane	50	25	74	22	40	21	27	67	60(61.2)
STF-50URS, φ24P					24					
STF-50URS, φ34					34					
STF-65URS, φ22		65	26	89	22	40		28	68	70(71.4)
STF-65URS, φ24P					24					
STF-65URS, φ34					34					
STF-75URS, φ22		75	26	97	22	40		28	68	70(71.4)
STF-75URS, φ24P					24					
STF-75URS, φ34					34					
STF-65RHES, φ22	 Wheel:Conductive Rubber Tread:Conductive Rubber	65	25	92	22	40	21	27	68	50(51.0)
STF-65RHES, φ24P					24					
STF-65RHES, φ34					34					
STF-75RHES, φ24P		75	27	100	22	40		28	68	60(61.2)
STF-75RHES, φ22					24					
STF-75RHES, φ34					34					
STF-75NRS, φ22	 Wheel:Nylon Tread:Rubber	75	27	97	22	40	21	28	68	60(61.2)
STF-75NRS, φ24P					24					
STF-75NRS, φ34					34					

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

LIGHT STAR (For Light Duty) / S-type

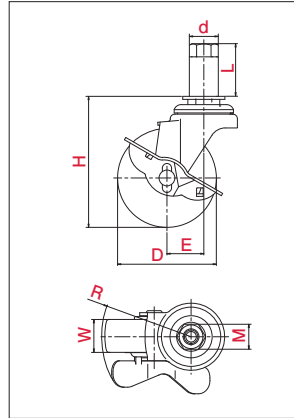
# STF-DS

φ 50 65 75

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

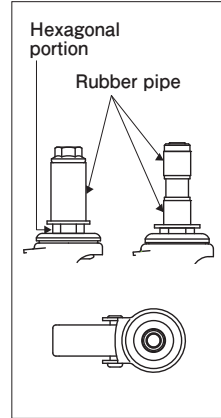


•External dimensions

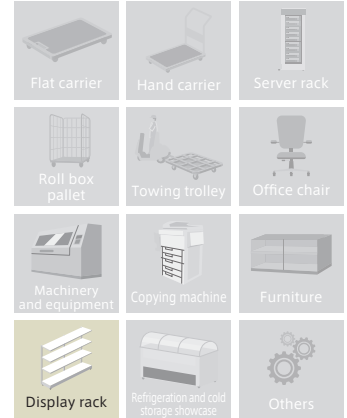


\*The Picture is a typical product image.

•Mounting Method (Insertion Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Pipe Diameter (d[mm])	Axis Length (L[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
STF-75NRBDS, φ 22		75	27	100	22	40	21	28	70	60(61.2)
STF-75NRBDS, φ 24P					24					
STF-75NRBDS, φ 34					34	60				
STF-75UHFDS, φ 22		75	26	100	22	40	21	28	70	70(71.4)
STF-75UHFDS, φ 24P					24					
STF-75UHFDS, φ 34					34	60				

•We have specific spanner for caster wheel. Please purchase separately.

YUEI spanner (19×21mm wrench)  
21×23mm wrench



# LIGHT STAR (For Light Duty)/E-type

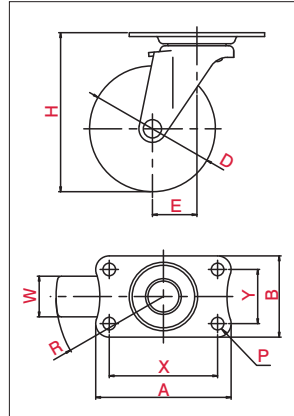
# E

φ 50 65 75 100 125

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

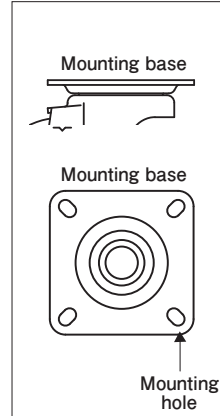


### External dimensions

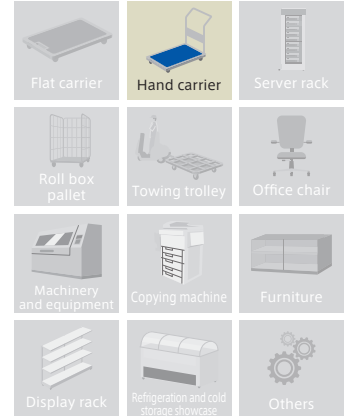


\*The Picture is a typical product image.

### Mounting Method(Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	
E-50EL	Wheel:PP Tread:Elastomer	50	20	65	70×42	56×28	6.5	22	47	25(25.5)	
E-65EL		65	21	82				23	56	30(30.6)	
E-75EL		75		92	27	65					
E-100EL		100	27	122	100×58	82×40	8.8	31	82	50(51.0)	
E-50R	Wheel:Rubber Tread:Rubber	50	20	65	70×42	56×28	6.5	22	47	30(30.6)	
E-65RH		65	21	82				23	56		
E-75RH		75		92	27	65	40(40.8)				
E-100RH		100	25	122	100×58	82×40		8.8	31	82	
E-125RH	125	148		36			99		50(51.0)		
E-50RE	Wheel:Conductive Rubber Tread:Conductive Rubber	50	20	65	70×42	56×28	6.5	22	47	30(30.6)	
E-65RHE		65	21	82				23	56		
E-75RHE		75		92	27	65	40(40.8)				
E-100RHE		100	25	122	100×58	82×40		8.8	31	82	50(51.0)
E-50N	Wheel:Nylon Tread:Nylon	50	21	65	70×42	56×28	6.5	22	47	40(40.8)	
E-65N		65		82				23	56		
E-75N		75	92	27	65	50(51.0)					
E-100N		100	25	122	100×58		82×40	8.8	31	82	60(61.2)
E-50UR	Wheel:Nylon Tread:Urethane	50	21	65	70×42	56×28	6.5	22	47	38(38.8)	
E-65UR		65		82				23	56		40(40.8)
E-75UR		75	92	27	65	45(45.9)					
E-100UR		100	28	122	100×58		82×40	8.8	31	82	
E-125UR	125	32	148	36		99			60(61.2)		
E-100NR	Wheel:Nylon Tread:Rubber	100	27	122	100×58	82×40	8.8	31	82	60(61.2)	
E-100NRB	Wheel:Nylon Tread:Rubber(including B)	100	27	122	100×58	82×40	8.8	31	82	60(61.2)	
E-100UHF	Wheel:Nylon Tread:Urethane(including B)	100	28	122	100×58	82×40	8.8	31	82	60(61.2)	

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

LIGHT STAR (For Light Duty, Stainless Steel) / E-type

SUS-E

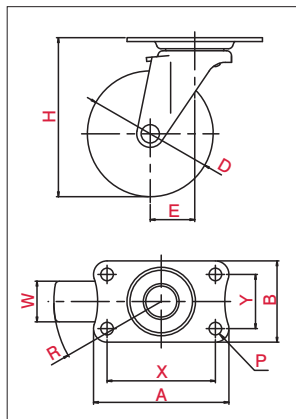
φ 50 65 75 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



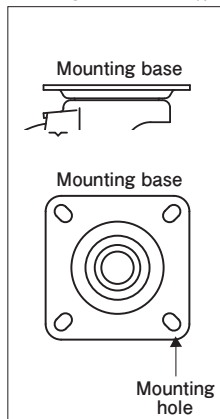
SUS-E-100N

## •External dimensions

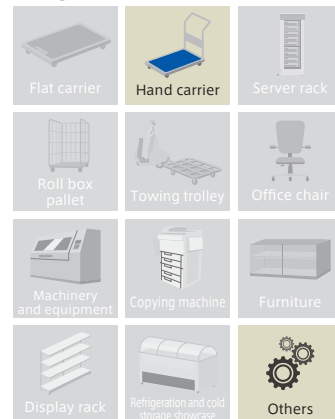


\*The Picture is a typical product image.

## •Mounting Method(Plate Type)



## •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-E-50EL	Wheel:PP Tread:Elastomer	50	20	65	70×42	56×28	6.5	22	47	25(25.5)
SUS-E-65EL		65	21	82				23	56	30(30.6)
SUS-E-75EL		75	21	92				27	65	50(51.0)
SUS-E-100EL		100	27	122				100×58	82×40	8.8
SUS-E-50R	Wheel:Rubber Tread:Rubber	50	20	65	70×42	56×28	6.5	22	47	30(30.6)
SUS-E-65RH		65	21	82				23	56	40(40.8)
SUS-E-75RH		75	21	92				27	65	50(51.0)
SUS-E-100RH		100	25	122				100×58	82×40	8.8
SUS-E-50N	Wheel:Nylon Tread:Nylon	50	21	65	70×42	56×28	6.5	22	47	40(40.8)
SUS-E-65N		65		82				23	56	50(51.0)
SUS-E-75N		75		92				27	65	60(61.2)
SUS-E-100N		100		25				122	100×58	82×40
SUS-E-50UR	Wheel:Nylon Tread:Urethane	50	21	65	70×42	56×28	6.5	22	47	38(38.8)
SUS-E-65UR		65		82				23	56	40(40.8)
SUS-E-75UR		75		92				27	65	45(45.9)
SUS-E-100UR		100		28				122	100×58	82×40
SUS-E-100NR	Wheel:Nylon Tread:Rubber	100	27	122	100×58	82×40	8.8	31	82	60(61.2)

LIGHT STAR (For Light Duty, Silence) / E-type

# EF

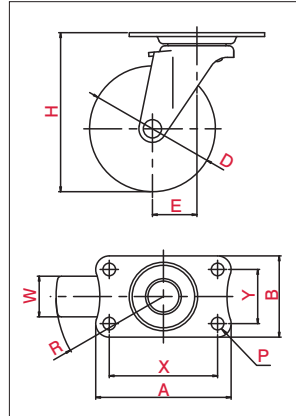
φ 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

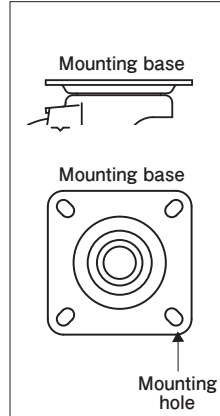


EF-75ELSB

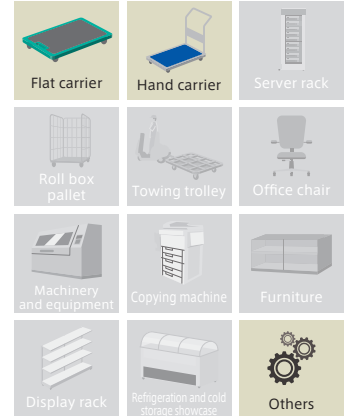
•External dimensions




•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
EF-65ELSB		65	20	83	70×42	56×28	6.5	21	54	30(30.6)
EF-75ELSB		75		93					59	35(35.7)
	Wheel:PP Tread:Elastomer(including B)									

LIGHT STAR (For Light Duty) / E-type

# E-S

φ 50 65 75 100 125

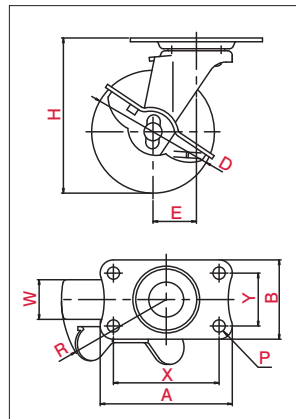
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



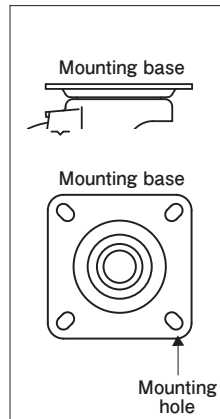
E-100NS



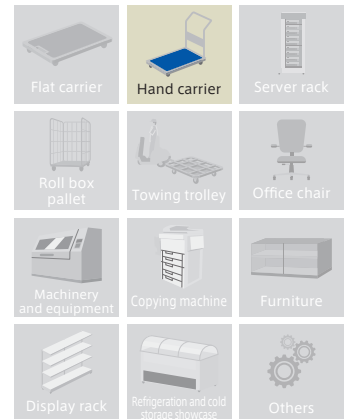
•External dimensions




•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
E-50ELS		50	20	65	70×42	56×28	6.5	22	49	25(25.5)
E-65ELS		65	21	82				23	57	30(30.6)
E-75ELS		75		92				27	65	
E-100ELS		100	27	122				100×58	82×40	8.8
	Wheel:PP Tread:Elastomer									

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

# LIGHT STAR (For Light Duty) / E-type E-S

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)			
E-50RS		50	20	65	70×42	56×28	6.5	22	49	30(30.6)			
E-65RHS		65	21	82				70×42	56×28		6.5	23	57
E-75RHS		75		92								27	65
E-100RHS		100	25	122	100×58	82×40	8.8	31	82	50(51.0)			
E-125RHS		125		122				100×58	82×40		8.8	36	99
E-50RES		50	20	65	70×42	56×28	6.5	22	49	30(30.6)			
E-65RHES		65	21	82				70×42	56×28		6.5	23	57
E-75RHES		75		92								27	65
E-100RHES		100	25	122	100×58	82×40	8.8	31	82	50(51.0)			
E-125RHES		125		122				100×58	82×40		8.8	36	99
E-50NS		50	21	65	70×42	56×28	6.5	22	49	40(40.8)			
E-65NS		65		82				23	57				
E-75NS		75		92				27	65				
E-100NS		100	25	122	100×58	82×40	8.8	31	82	60(61.2)			
E-125NS		125		122				100×58	82×40		8.8	36	99
E-50URS		50	21	65	70×42	56×28	6.5	22	49	38(38.8)			
E-65URS		65		82				23	57				
E-75URS		75		92				27	65				
E-100URS		100	28	122	100×58	82×40	8.8	31	82	60(61.2)			
E-125URS		125		32				148	36		99		
E-100NRS		100	27	122	100×58	82×40	8.8	31	82	60(61.2)			

# LIGHT STAR (For Light Duty) / E-type

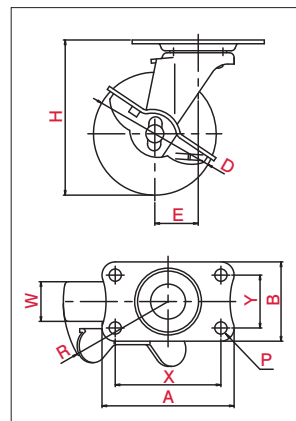
## E-DS

φ 100

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

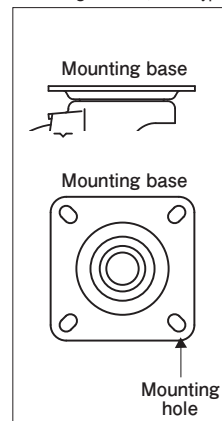


### •External dimensions

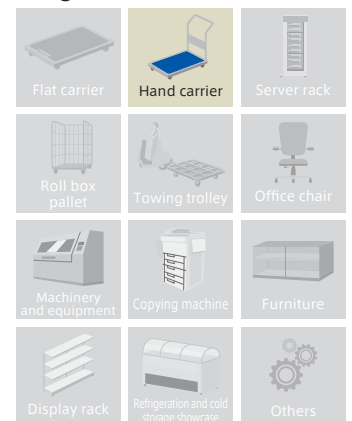




\*The Picture is a typical product image.

### •Mounting Method(Plate Type)



### •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
E-100NRBDS		100	27	122	100×58	82×40	8.8	31	82	60(61.2)
E-100UHFDS		100	28	122	100×58	82×40	8.8	31	82	60(61.2)

# SUS-E-S

φ 50 65 75 100

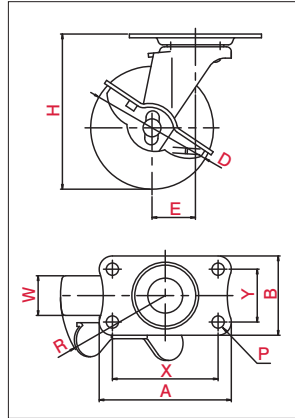
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



SUS-E-100NS

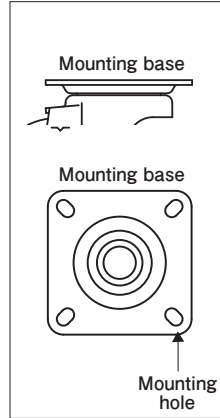


•External dimensions

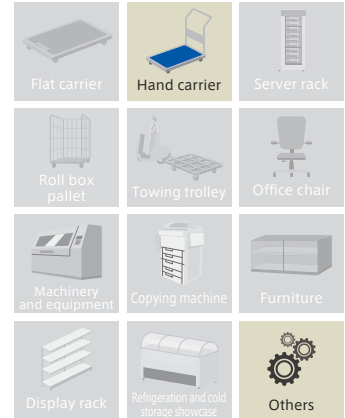


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-E-50ELS	Wheel:PP Tread:Elastomer	50	20	65	70×42	56×28	6.5	22	51	25(25.5)
SUS-E-65ELS		65	21	82				23	56	30(30.6)
SUS-E-75ELS		75		92	27	65				
SUS-E-100ELS		100	27	122	100×58	82×40	8.8	31	82	50(51.0)
SUS-E-50RS	Wheel:Rubber Tread:Rubber	50	20	65	70×42	56×28	6.5	22	51	30(30.6)
SUS-E-65RHS		65	21	82				23	56	
SUS-E-75RHS		75		92	27	65	40(40.8)			
SUS-E-100RHS		100	25	122	100×58	82×40		8.8	31	82
SUS-E-50NS	Wheel:Nylon Tread:Nylon	50	21	65	70×42	56×28	6.5	22	51	40(40.8)
SUS-E-65NS		65		82				23	56	
SUS-E-75NS		75	92	27	65	50(51.0)				
SUS-E-100NS		100	25	122	100×58		82×40	8.8	31	82
SUS-E-50URS	Wheel:Nylon Tread:Urethane	50	21	65	70×42	56×28	6.5	22	51	38(38.8)
SUS-E-65URS		65		82				23	56	
SUS-E-75URS		75	92	27	65	45(45.9)				
SUS-E-100URS		100	28	122	100×58		82×40	8.8	31	82
SUS-E-100NRS	Wheel:Nylon Tread:Rubber	100	27	122	100×58	82×40	8.8	31	82	60(61.2)

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

LIGHT STAR (For Light Duty, Silence) / E-type

EF-DS

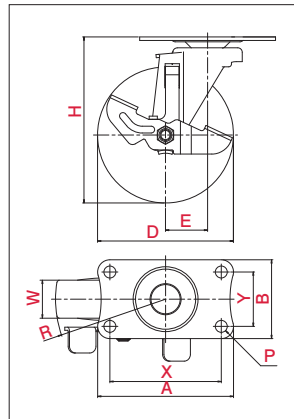
φ 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

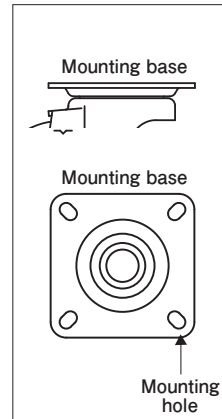


EF-75ELSBDS

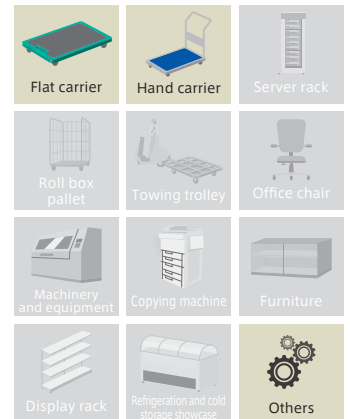
## •External dimensions




## •Mounting Method(Plate Type)



## •Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
EF-75ELSBDS	 Wheel:PP Tread:Elastomer(including B)	75	20	93	70×42	56×28	6.5	21	61	35(35.7)

LIGHT STAR (For Light Duty) / E-type

ER

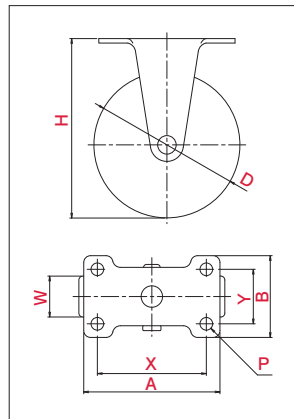
φ 50 65 75 100 125

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

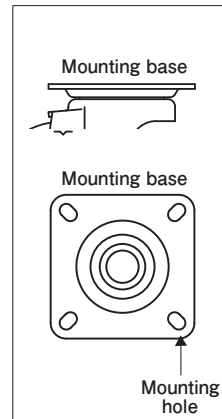


ER-100EL

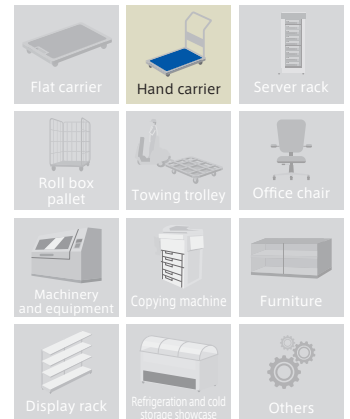
## •External dimensions




## •Mounting Method(Plate Type)



## •Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ER-50EL	 Wheel:PP Tread:Elastomer	50	20	65	70×42	56×28	6.5			25(25.5)
ER-65EL		65	21	82						30(30.6)
ER-75EL		75		92						
ER-100EL		100	27	122	100×58	82×40	8.8			50(51.0)

# LIGHT STAR (For Light Duty) / E-type ER

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ER-50R		50	20	65	70×42	56×28	6.5			30 (30.6)
ER-65RH		65	21	82						
ER-75RH		75		92						
ER-100RH		100	25	122	100×58	82×40	8.8			50 (51.0)
ER-125RH		125		148						
ER-50RE		50	20	65	70×42	56×28	6.5			30 (30.6)
ER-65RHE		65	21	82						
ER-75RHE		75		92						
ER-100RHE		100	25	122	100×58	82×40	8.8			50 (51.0)
ER-50N			50	21	65	70×42	56×28	6.5		
ER-65N	65		82							
ER-75N	75		92							
ER-100N	100		25	122	100×58	82×40	8.8			60 (61.2)
ER-50UR			50	21	65	70×42	56×28	6.5		
ER-65UR		65	82							
ER-75UR		75	92							
ER-100UR		100	28	122	100×58	82×40	8.8			60 (61.2)
ER-125UR		125	32	148						
ER-100NR		100	27	122	100×58	82×40	8.8			60 (61.2)
ER-100NRB		100	27	122	100×58	82×40	8.8			60 (61.2)
ER-100UHF		100	28	122	100×58	82×40	8.8			60 (61.2)
ER-65ELSB (H83)		65	20	83	70×42	56×28	6.5			30 (30.6)
ER-75ELSB (H93)		75		93						

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

LIGHT STAR (For Light Duty, Stainless Steel) / E-type

# SUS-ER

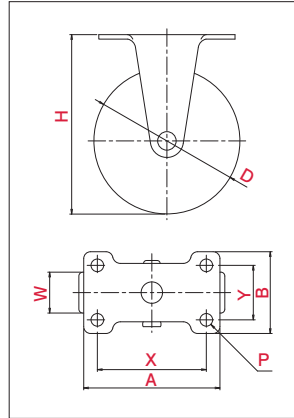
φ 50 65 75 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)		Stainless
Single Bearing	Double Bearing	
Single stopper	Double stopper	

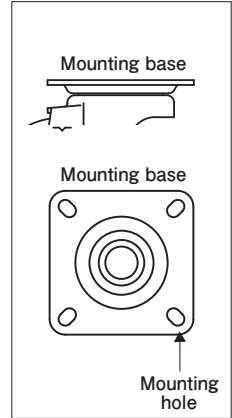


SUS-ER-100EL

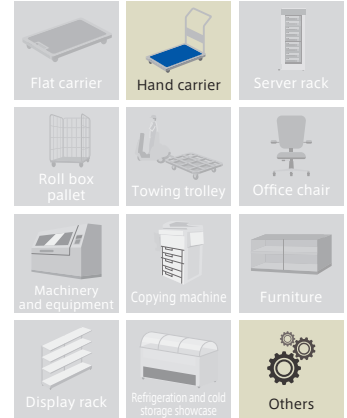
•External dimensions



•Mounting Method (Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	
SUS-ER-50EL		50	20	65	70×42	56×28	6.5			25 (25.5)	
SUS-ER-65EL		65	21	82						30 (30.6)	
SUS-ER-75EL		75		92						50 (51.0)	
SUS-ER-100EL		100	27	122							100×58
SUS-ER-50R		50	20	65	70×42	56×28	6.5			30 (30.6)	
SUS-ER-65RH		65	21	82						40 (40.8)	
SUS-ER-75RH		75		92						50 (51.0)	
SUS-ER-100RH		100	25	122							100×58
SUS-ER-50N		50	21	65	70×42	56×28	6.5			40 (40.8)	
SUS-ER-65N		65		82						50 (51.0)	
SUS-ER-75N		75		92							60 (61.2)
SUS-ER-100N		100		25						122	
SUS-ER-50UR		50	21	65	70×42	56×28	6.5			38 (38.8)	
SUS-ER-65UR		65		82						40 (40.8)	
SUS-ER-75UR		75		92						45 (45.9)	
SUS-ER-100UR		100		28						122	100×58
SUS-ER-100NR		100	27	122	100×58	82×40	8.8			60 (61.2)	



# LIGHT STAR (For Light Duty) / E-type

# ET

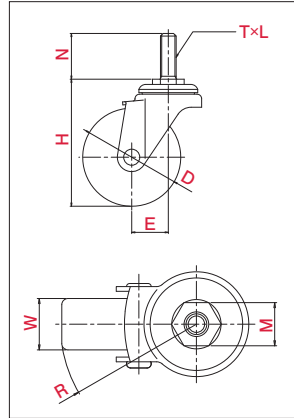
φ 50 65 75 100

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

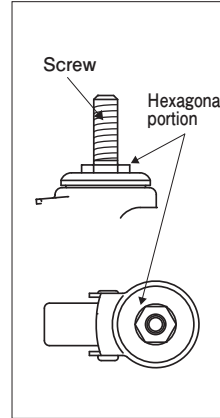


ET-100N.M16x40

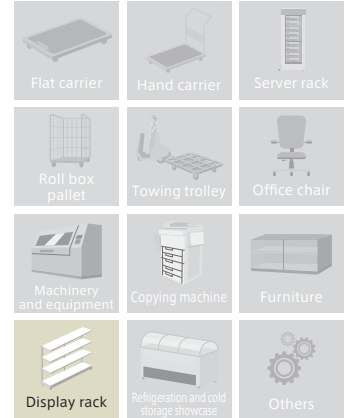
### •External dimensions



### •Mounting Method (Screw-in Type)



### •Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ET-50EL.M12x35	Wheel:PP Tread:Elastomer	50	20	68	M12	1.75	35	19	22	47	25(25.5)
ET-50EL.UNF1/2x14					UNF1/2	20	14	21			
ET-50EL.W3/8x14					W3/8	16	17				
ET-65EL.M12x35		65	21	85	M12	1.75	35	19	23	56	30(30.6)
ET-65EL.UNF1/2x14					UNF1/2	20	14	21			
ET-65EL.W3/8x14					W3/8	16	17				
ET-75EL.M12x35		75	21	95	M12	1.75	35	19	27	65	40(40.8)
ET-75EL.UNF1/2x14					UNF1/2	20	14	21			
ET-75EL.W3/8x14					W3/8	16	17				
ET-100EL.M12x35		100	27	126	M12	1.75	35	21	31	82	50(51.0)
ET-100EL.M16x40					M16	2	40	23			
ET-100EL.UNF1/2x25					UNF1/2	20	25	21			
ET-100EL.W3/4x40	W3/4				10	40	23				
ET-50R.M12x35	Wheel:Rubber Tread:Rubber	50	20	68	M12	1.75	35	19	22	47	30(30.6)
ET-50R.UNF1/2x14					UNF1/2	20	14	21			
ET-50R.W3/8x14					W3/8	16	17				
ET-65RH.M12x35		65	21	85	M12	1.75	35	19	23	56	40(40.8)
ET-65RH.UNF1/2x14					UNF1/2	20	14	21			
ET-65RH.W3/8x14					W3/8	16	17				
ET-75RH.M12x35		75	21	95	M12	1.75	35	19	27	65	35(35.7)
ET-75RH.UNF1/2x14					UNF1/2	20	14	21			
ET-75RH.W3/8x14					W3/8	16	17				
ET-100RH.M12x35		100	25	126	M12	1.75	35	21	31	82	50(51.0)
ET-100RH.M16x40					M16	2	40	23			
ET-100RH.UNF1/2x25					UNF1/2	20	25	21			
ET-100RH.W3/4x40	W3/4				10	40	23				
ET-125RH.M12x35	125	25	152	M12	1.75	35	21	36	99	50(51.0)	
ET-125RH.M16x40				M16	2	40	23				
ET-125RH.UNF1/2x25				UNF1/2	20	25	21				
ET-125RH.W3/4x40	W3/4	10	40	23							

•We have specific spanner for caster wheel. Please purchase separately.

17mm flat wrench  
YUEI spanner (19x21mm wrench)

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type




NP-type

SKY-type

SILENT-type




OTHER

# LIGHT STAR (For Light Duty) / E-type ET

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ET-50RE,M12×35		50	20	68	M12	1.75	35	19	22	47	30(30.6)
ET-50RE,UNF1/2×14					UNF1/2	20	14	21			
ET-50RE,W3/8×14					W3/8	16	17				
ET-65RHE,M12×35		65	21	85	M12	1.75	35	19	23	56	
ET-65RHE,UNF1/2×14					UNF1/2	20	14	21			
ET-65RHE,W3/8×14					W3/8	16	17				
ET-75RHE,M12×35		75	21	95	M12	1.75	35	19	27	65	40(40.8)
ET-75RHE,UNF1/2×14					UNF1/2	20	14	21			
ET-75RHE,W3/8×14					W3/8	16	17				
ET-100RHE,M12×35		100	25	126	M12	1.75	35	21	31	82	50(51.0)
ET-100RHE,M16×40					M16	2	40	23			
ET-100RHE,UNF1/2×25					UNF1/2	20	25	21			
ET-100RHE,W3/4×40	W3/4				10	40	23				
ET-50N,M12×35		50	21	68	M12	1.75	35	19	22	47	40(40.8)
ET-50N,UNF1/2×14					UNF1/2	20	14	21			
ET-50N,W3/8×14					W3/8	16	17				
ET-65N,M12×35		65	21	85	M12	1.75	35	19	23	56	
ET-65N,UNF1/2×14					UNF1/2	20	14	21			
ET-65N,W3/8×14					W3/8	16	17				
ET-75N,M12×35		75	21	95	M12	1.75	35	19	27	65	50(51.0)
ET-75N,UNF1/2×14					UNF1/2	20	14	21			
ET-75N,W3/8×14					W3/8	16	17				
ET-100N,M12×35		100	25	126	M12	1.75	35	21	31	82	60(61.2)
ET-100N,M16×40					M16	2	40	23			
ET-100N,UNF1/2×25					UNF1/2	20	25	21			
ET-100N,W3/4×40	W3/4				10	40	23				
ET-50UR,M12×35		50	21	68	M12	1.75	35	19	22	47	38(38.8)
ET-50UR,UNF1/2×14					UNF1/2	20	14	21			
ET-50UR,W3/8×14					W3/8	16	17				
ET-65UR,M12×35		65	21	85	M12	1.75	35	19	23	56	40(40.8)
ET-65UR,UNF1/2×14					UNF1/2	20	14	21			
ET-65UR,W3/8×14					W3/8	16	17				
ET-75UR,M12×35		75	21	95	M12	1.75	35	19	27	65	45(45.9)
ET-75UR,UNF1/2×14					UNF1/2	20	14	21			
ET-75UR,W3/8×14					W3/8	16	17				
ET-100UR,M12×35		100	28	126	M12	1.75	35	21	31	82	60(61.2)
ET-100UR,M16×40					M16	2	40	23			
ET-100UR,UNF1/2×25					UNF1/2	20	25	21			
ET-100UR,W3/4×40	W3/4				10	40	23				
ET-125UR,M12×35	125	32	152	M12	1.75	35	21	36	99	60(61.2)	
ET-125UR,M16×40				M16	2	40	23				
ET-125UR,UNF1/2×25				UNF1/2	20	25	21				
ET-125UR,W3/4×40				W3/4	10	40	23				

Wheel:Conductive Rubber  
Tread:Conductive RubberWheel:Nylon  
Tread:NylonWheel:Nylon  
Tread:Urethane

# LIGHT STAR (For Light Duty) / E-type ET

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ET-100NR,M12×35	 Wheel: Nylon Tread: Rubber	100	27	126	M12	1.75	35	21	31	82	60(61.2)
ET-100NR,M16×40					M16	2	40	23			
ET-100NR,UNF1/2×25					UNF1/2	20	25	21			
ET-100NR,W3/4×40					W3/4	10	40	23			
ET-100NRB,M12×35	 Wheel: Nylon Tread: Rubber (including B)	100	27	126	M12	1.75	35	21	31	82	60(61.2)
ET-100NRB,M16×40					M16	2	40	23			
ET-100NRB,UNF1/2×25					UNF1/2	20	25	21			
ET-100NRB,W3/4×40					W3/4	10	40	23			
ET-100UHF,M12×35	 Wheel: Nylon Tread: Urethane (including B)	100	28	126	M12	1.75	35	21	31	82	60(61.2)
ET-100UHF,M16×40					M16	2	40	23			
ET-100UHF,UNF1/2×25					UNF1/2	20	25	21			
ET-100UHF,W3/4×40					W3/4	10	40	23			

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

LIGHT STAR (For Light Duty, Stainless Steel) / E-type

# SUS-ET

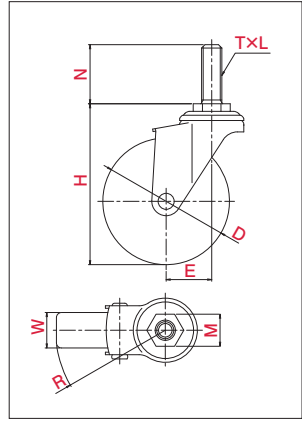
φ 50 65 75 100

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single stopper	Double stopper

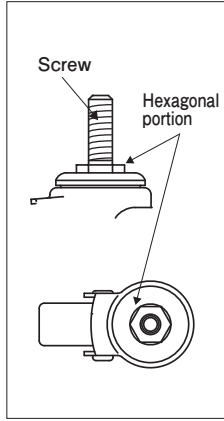


SUS-ET-100N, M12×35

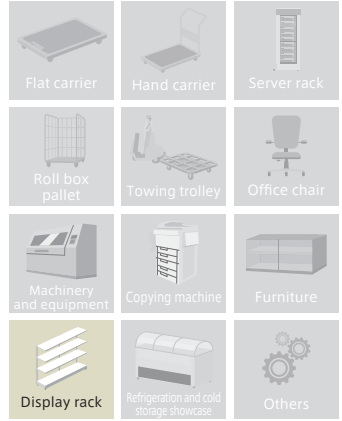
•External dimensions



•Mounting Method(Screw-in Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)		
SUS-ET-50EL,M12×35	Wheel:PP Tread:Elastomer	50	20	68	M12	1.75	35	19	22	47	25(25.5)		
SUS-ET-65EL,M12×35		65	21	85					23	56	30(30.6)		
SUS-ET-75EL,M12×35		75		95					27	65			
SUS-ET-100EL,M12×35		M16	100	27	126	2	40	23	31	82	50(51.0)		
SUS-ET-100EL,M16×40												W3/4	10
SUS-ET-100EL,W3/4×40													
SUS-ET-50R,M12×35	Wheel:Rubber Tread:Rubber	50	20	68	M12	1.75	35	19	22	47	30(30.6)		
SUS-ET-65RH,M12×35		65	21	85					23	56			
SUS-ET-75RH,M12×35		75		95					27	65	40(40.8)		
SUS-ET-100RH,M12×35		M16	100	25	126	2	40	23	31	82		50(51.0)	
SUS-ET-100RH,M16×40											W3/4		10
SUS-ET-100RH,W3/4×40													
SUS-ET-50N,M12×35	Wheel:Nylon Tread:Nylon	50	21	68	M12	1.75	35	19	22	47	40(40.8)		
SUS-ET-65N,M12×35		65		85					23	56			
SUS-ET-75N,M12×35		75		95					27	65	50(51.0)		
SUS-ET-100N,M12×35		M16	100	25	126	2	40	23	31	82		60(61.2)	
SUS-ET-100N,M16×40											W3/4		10
SUS-ET-100N,W3/4×40													
SUS-ET-50UR,M12×35	Wheel:Nylon Tread:Urethane	50	21	68	M12	1.75	35	19	22	47	38(38.8)		
SUS-ET-65UR,M12×35		65		85					23	56	40(40.8)		
SUS-ET-75UR,M12×35		75		95					27	65			
SUS-ET-100UR,M12×35		M16	100	28	126	2	40	23	31	82	60(61.2)		
SUS-ET-100UR,M16×40												W3/4	10
SUS-ET-100UR,W3/4×40													
SUS-ET-100NR,M12×35	Wheel:Nylon Tread:Rubber	100	27	126	M12	1.75	35	21	31	82	60(61.2)		
SUS-ET-100NR,M16×40					M16	2	40	23					
SUS-ET-100NR,W3/4×40					W3/4	10	40	23					

•We have specific spanner for caster wheel. YUEI spanner (19×21mm wrench)  
Please purchase separately. 21×23mm wrench

# EFT

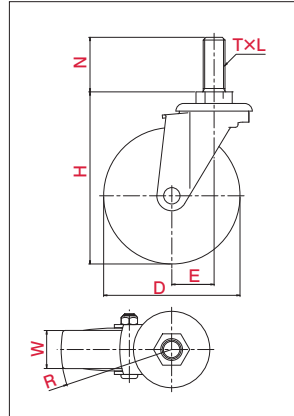
φ 65 75

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Radial Bearing
Single stopper	Double stopper

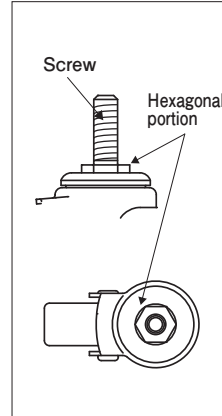


EFT-75ELSB, M12x35

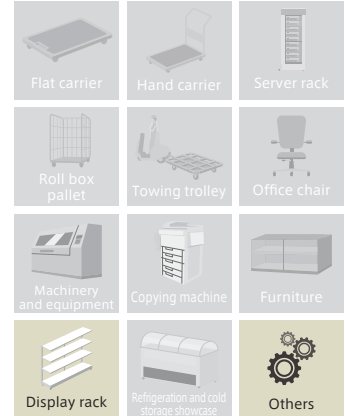
•External dimensions




•Mounting Method (Screw-in Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
EFT-65ELSB, M12x35		65	20	87	M12	1.75	35	19	21	54	30 (30.6)
EFT-75ELSB, M12x35		75		97						59	35 (35.7)
	Wheel: PP Tread: Elastomer (including B)										

•We have specific spanner for caster wheel. Please purchase separately.

YUEI spanner (19x21mm wrench)

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

LIGHT STAR (For Light Duty) / E-type

ET-S

φ 50 65 75 100 125

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

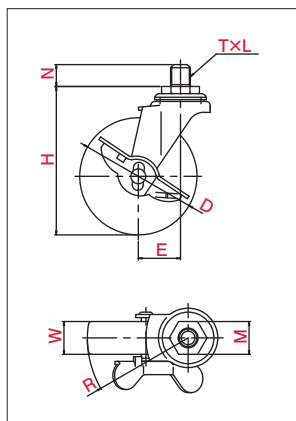


ET-100NS, M16×40



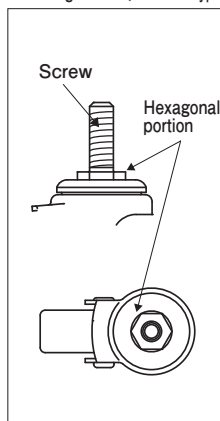
EL RH UR NR

## •External dimensions

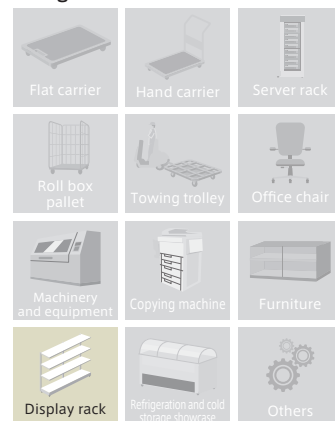


\*The Picture is a typical product image.

## •Mounting Method (Screw-in Type)



## •Usage







Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)		
ET-50ELS, M12×35		50	20	68	M12	1.75	35	19	22	49	25(25.5)		
ET-50ELS, UNF1/2×14					UNF1/2	20	14	21					
ET-50ELS, W3/8×14					W3/8	16	17						
ET-65ELS, M12×35		65	21	85	M12	1.75	35	19	23	57		30(30.6)	
ET-65ELS, UNF1/2×14					UNF1/2	20	14	21					
ET-65ELS, W3/8×14					W3/8	16	17						
ET-75ELS, M12×35		75	21	95	M12	1.75	35	19	27	65			50(51.0)
ET-75ELS, UNF1/2×14					UNF1/2	20	14	21					
ET-75ELS, W3/8×14					W3/8	16	17						
ET-100ELS, M12×35		100	27	126	M12	1.75	35	21	31	82		50(51.0)	
ET-100ELS, M16×40					M16	2	40	23					
ET-100ELS, UNF1/2×25					UNF1/2	20	25	21					
ET-100ELS, W3/4×40	W3/4				10	40	23						
ET-50RS, M12×35		50	20	68	M12	1.75	35	19	22	49	30(30.6)		
ET-50RS, UNF1/2×14					UNF1/2	20	14	21					
ET-50RS, W3/8×14					W3/8	16	17						
ET-65RHS, M12×35		65	21	85	M12	1.75	35	19	23	57			40(40.8)
ET-65RHS, UNF1/2×14					UNF1/2	20	14	21					
ET-65RHS, W3/8×14					W3/8	16	17						
ET-75RHS, M12×35		75	21	95	M12	1.75	35	19	27	65	35(35.7)		
ET-75RHS, UNF1/2×14					UNF1/2	20	14	21					
ET-75RHS, W3/8×14					W3/8	16	17						
ET-100RHS, M12×35		100	25	126	M12	1.75	35	21	31	82		50(51.0)	
ET-100RHS, M16×40					M16	2	40	23					
ET-100RHS, UNF1/2×25					UNF1/2	20	25	21					
ET-100RHS, W3/4×40	W3/4				10	40	23						
ET-125RHS, M12×35	125	25	152	M12	1.75	35	21	36	99	50(51.0)			
ET-125RHS, M16×40				M16	2	40	23						
ET-125RHS, UNF1/2×25				UNF1/2	20	25	21						
ET-125RHS, W3/4×40				W3/4	10	40	23						

•We have specific spanner for castor wheel.  
Please purchase separately.

17mm flat wrench  
21×23mm wrench  
YUEI spanner (19×21mm wrench)

# LIGHT STAR (For Light Duty) / E-type ET-S

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ET-50RES,M12×35		50	20	68	M12	1.75	35	19	22	49	30(30.6)
ET-50RES,UNF1/2×14					UNF1/2	20	14	21			
ET-50RES,W3/8×14					W3/8	16		17			
ET-65RHES,M12×35		65	21	85	M12	1.75	35	19	23	57	
ET-65RHES,UNF1/2×14					UNF1/2	20	14	21			
ET-65RHES,W3/8×14					W3/8	16		17			
ET-75RHES,M12×35		75	21	95	M12	1.75	35	19	27	65	40(40.8)
ET-75RHES,UNF1/2×14					UNF1/2	20	14	21			
ET-75RHES,W3/8×14					W3/8	16		17			35(35.7)
ET-100RHES,M12×35		100	25	126	M12	1.75	35	21	31	82	50(51.0)
ET-100RHES,M16×40					M16	2	40	23			
ET-100RHES,UNF1/2×25					UNF1/2	20	25	21			
ET-100RHES,W3/4×40	W3/4				10	40	23				
ET-50NS,M12×35		50	20	68	M12	1.75	35	19	22	49	40(40.8)
ET-50NS,UNF1/2×14					UNF1/2	20	14	21			
ET-50NS,W3/8×14					W3/8	16		17			35(35.7)
ET-65NS,M12×35		65	21	85	M12	1.75	35	19	23	57	40(40.8)
ET-65NS,UNF1/2×14					UNF1/2	20	14	21			
ET-65NS,W3/8×14					W3/8	16		17			35(35.7)
ET-75NS,M12×35		75	21	95	M12	1.75	35	19	27	65	50(51.0)
ET-75NS,UNF1/2×14					UNF1/2	20	14	21			
ET-75NS,W3/8×14					W3/8	16		17			35(35.7)
ET-100NS,M12×35		100	25	126	M12	1.75	35	21	31	82	60(61.2)
ET-100NS,M16×40					M16	2	40	23			
ET-100NS,UNF1/2×25					UNF1/2	20	25	21			
ET-100NS,W3/4×40	W3/4				10	40	23				
ET-50URS,M12×35		50	20	68	M12	1.75	35	19	22	49	38(38.8)
ET-50URS,UNF1/2×14					UNF1/2	20	14	21			
ET-50URS,W3/8×14					W3/8	16		17			35(35.7)
ET-65URS,M12×35		65	21	85	M12	1.75	35	19	23	57	40(40.8)
ET-65URS,UNF1/2×14					UNF1/2	20	14	21			
ET-65URS,W3/8×14					W3/8	16		17			35(35.7)
ET-75URS,M12×35		75	21	95	M12	1.75	35	19	27	65	45(45.9)
ET-75URS,UNF1/2×14					UNF1/2	20	14	21			
ET-75URS,W3/8×14					W3/8	16		17			35(35.7)
ET-100URS,M12×35		100	28	126	M12	1.75	35	21	31	82	60(61.2)
ET-100URS,M16×40					M16	2	40	23			
ET-100URS,UNF1/2×25					UNF1/2	20	25	21			
ET-100URS,W3/4×40	W3/4				10	40	23				
ET-125URS,M12×35	125	32	152	M12	1.75	35	21	36	99		
ET-125URS,M16×40				M16	2	40	23				
ET-125URS,UNF1/2×25				UNF1/2	20	25	21				
ET-125URS,W3/4×40				W3/4	10	40	23				
ET-100NRS,M12×35		100	27	126	M12	1.75	35	21	31	82	60(61.2)
ET-100NRS,M16×40					M16	2	40	23			
ET-100NRS,UNF1/2×25					UNF1/2	20	25	21			
ET-100NRS,W3/4×40					W3/4	10	40	23			

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

# LIGHT STAR (For Light Duty) / E-type ET-S

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
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## ET-DS

ET-100NRBDS,M12×35		100	27	126	M12	1.75	35	21	31	82	60 (61.2)
ET-100NRBDS,M16×40					M16	2	40	23			
ET-100NRBDS,UNF1/2×25					UNF1/2	20	25	21			
ET-100NRBDS,W3/4×40					W3/4	10	40	23			
ET-100UHFDS,M12×35		100	28	126	M12	1.75	35	21	31	82	60 (61.2)
ET-100UHFDS,M16×40					M16	2	40	23			
ET-100UHFDS,UNF1/2×25					UNF1/2	20	25	21			
ET-100UHFDS,W3/4×40					W3/4	10	40	23			

# LIGHT STAR (For Light Duty, Stainless Steel) / E-type

# SUS-ET-S

φ 50 65 75 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

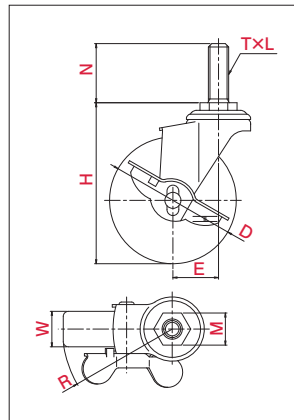


SUS-ET-100NS, M12×35



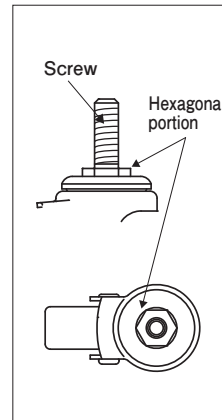
EL RH UR NR

### External dimensions

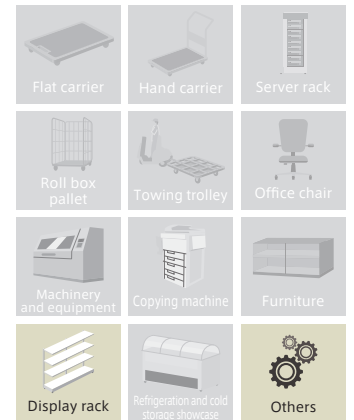


\*The Picture is a typical product image.

### Mounting Method (Screw-in Type)





### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-ET-50ELS,M12×35		50	20	68	M12	1.75	35	19	22	49	25 (25.5)
SUS-ET-65ELS,M12×35		65	21	85					23	57	
SUS-ET-75ELS,M12×35		75		95					27	65	
SUS-ET-100ELS,M12×35		100	27	126	M16	2	40	23	31	82	50 (51.0)
SUS-ET-100ELS,M16×40					W3/4	10					
SUS-ET-100ELS,W3/4×40											
SUS-ET-50RS,M12×35		50	20	68	M12	1.75	35	19	22	49	30 (30.6)
SUS-ET-65RHS,M12×35		65	21	85					23	57	
SUS-ET-75RHS,M12×35		75		95					27	65	
SUS-ET-100RHS,M12×35		100	25	126	M16	2	40	23	31	82	50 (51.0)
SUS-ET-100RHS,M16×40					W3/4	10					
SUS-ET-100RHS,W3/4×40											
SUS-ET-50NS,M12×35		50	21	68	M12	1.75	35	19	22	49	40 (40.8)
SUS-ET-65NS,M12×35		65		85					23	57	
SUS-ET-75NS,M12×35		75		95					27	65	
SUS-ET-100NS,M12×35		100	25	126	M16	2	40	23	31	82	60 (61.2)
SUS-ET-100NS,M16×40					W3/4	10					
SUS-ET-100NS,W3/4×40											



# LIGHT STAR (For Light Duty) / E-type SUS-ET-S

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)		
SUS-ET-50URS,M12×35	 Wheel: Nylon Tread: Urethane	50	21	68	M12	1.75	35	19	22	49	38(38.8)		
SUS-ET-65URS,M12×35		65		85					23	57	40(40.8)		
SUS-ET-75URS,M12×35		75		95					27	65	45(45.9)		
SUS-ET-100URS,M12×35		100	28	126	M16	2	40	23	31	82	60(61.2)		
SUS-ET-100URS,M16×40												W3/4	10
SUS-ET-100URS,W3/4×40													
SUS-ET-100NRS,M12×35	 Wheel: Nylon Tread: Rubber	100	27	126	M12	1.75	35	21	31	82	60(61.2)		
SUS-ET-100NRS,M16×40					M16	2	40	23					
SUS-ET-100NRS,W3/4×40					W3/4	10							

•We have specific spanner for caster wheel. Please purchase separately.

YUEI spanner (19×21mm wrench)  
21×23mm wrench

# LIGHT STAR (For Light Duty, Silence) / E-type

# EFT-DS

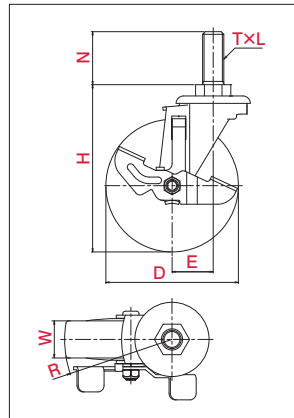
φ 75

Swivel	Fixed
Plate Type	Screw-in Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Radial Bearing
Single stopper	Double stopper



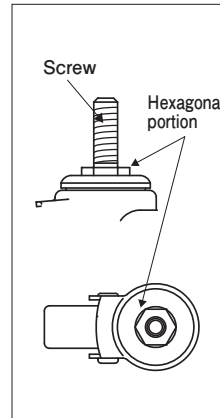
EFT-75ELSBDS,  
M12×35

### •External dimensions

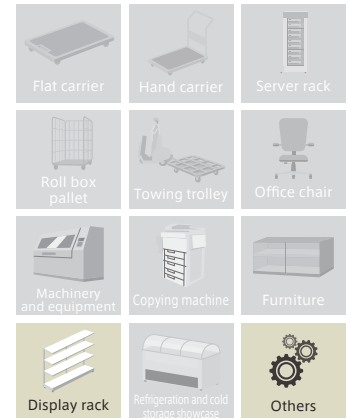



\*The Picture is a typical product image.

### •Mounting Method (Screw-in Type)



### •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
EFT-75ELSBDS,M12×35	 Wheel: PP Tread: Elastomer(including B)	75	20	97	M12	1.75	35	19	21	61	35(35.7)

•We have specific spanner for caster wheel. Please purchase separately.

YUEI spanner (19×21mm wrench)

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

## LIGHT STAR (For Light Duty) / E-type

ETF

φ 100 125

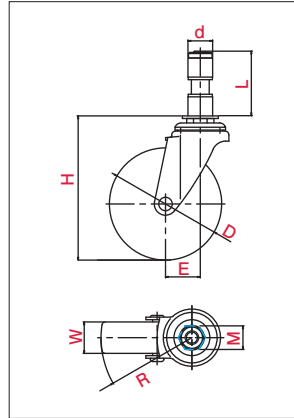
Swivel		Fixed
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)		CP (Chromium Plating)
Single Bearing		Double Bearing
Single stopper		Double stopper



ETF-100N, φ 22

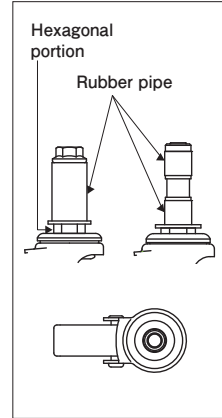


## •External dimensions

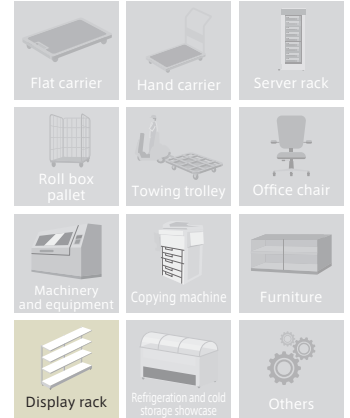


\*The Picture is a typical product image.

## •Mounting Method (Insertion Type)



## •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Pipe Diameter (d[mm])	Axis Length (L[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ETF-100EL, φ 19		100	27	128	19	60	21	31	82	50 (51.0)
ETF-100EL, φ 22					22					
ETF-100EL, φ 34					34					
ETF-100RH, φ 19		100	25	128	19	60	21	31	82	50 (51.0)
ETF-100RH, φ 22					22					
ETF-100RH, φ 34					34					
ETF-125RH, φ 19		125	25	154	19	60	21	36	99	50 (51.0)
ETF-125RH, φ 22					22					
ETF-125RH, φ 34					34					
ETF-100NR, φ 19		100	27	128	19	60	21	31	82	60 (61.2)
ETF-100NR, φ 22					22					
ETF-100NR, φ 34					34					
ETF-100NRB, φ 19		100	27	128	19	60	21	31	82	60 (61.2)
ETF-100NRB, φ 22					22					
ETF-100NRB, φ 34					34					
ETF-100N, φ 19		100	25	128	19	60	21	31	82	60 (61.2)
ETF-100N, φ 22					22					
ETF-100N, φ 34					34					
ETF-100UR, φ 19		100	28	128	19	60	21	31	82	60 (61.2)
ETF-100UR, φ 22					22					
ETF-100UR, φ 34					34					
ETF-125UR, φ 19		125	32	154	19	60	21	36	99	60 (61.2)
ETF-125UR, φ 22					22					
ETF-125UR, φ 34					34					
ETF-100UHF, φ 19		100	28	128	19	60	21	31	82	60 (61.2)
ETF-100UHF, φ 22					22					
ETF-100UHF, φ 34					34					

•We have specific spanner for castor wheel.  
Please purchase separately.

YUEI spanner (19×21mm wrench)

# ETF-S

φ 100 125

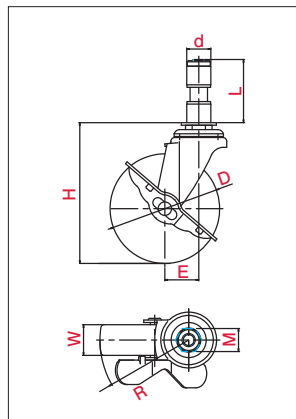
Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel



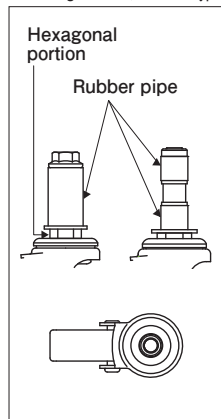
ETF-100NS, φ 22

•External dimensions

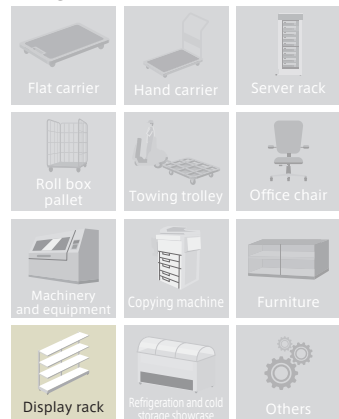


\*The Picture is a typical product image.

•Mounting Method (Insertion Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Pipe Diameter (d[mm])	Axis Length (L[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ETF-100ELS, φ 19		100	27	128	19	60	21	31	82	50(51.0)
ETF-100ELS, φ 22					22					
ETF-100ELS, φ 34					34					
ETF-100RHS, φ 19		100	25	128	19	60	21	31	82	50(51.0)
ETF-100RHS, φ 22					22					
ETF-100RHS, φ 34					34					
ETF-125RHS, φ 19		125	25	154	19	60	21	36	99	50(51.0)
ETF-125RHS, φ 22					22					
ETF-125RHS, φ 34					34					
ETF-100NRS, φ 19		100	27	128	19	60	21	31	82	60(61.2)
ETF-100NRS, φ 22					22					
ETF-100NRS, φ 34					34					
ETF-100NS, φ 19		100	25	128	19	60	21	31	82	60(61.2)
ETF-100NS, φ 22					22					
ETF-100NS, φ 34					34					
ETF-100URS, φ 19		100	28	128	19	60	21	31	82	60(61.2)
ETF-100URS, φ 22					22					
ETF-100URS, φ 34					34					
ETF-125URS, φ 19		125	32	154	19	60	21	36	99	60(61.2)
ETF-125URS, φ 22					22					
ETF-125URS, φ 34					34					

## ETF-DS

ETF-100NRBDS, φ 19		100	27	128	19	60	21	31	82	60(61.2)
ETF-100NRBDS, φ 22					22					
ETF-100NRBDS, φ 34					34					
ETF-100UHFDS, φ 19		100	28	128	19	60	21	31	82	60(61.2)
ETF-100UHFDS, φ 22					22					
ETF-100UHFDS, φ 34					34					

•We have specific spanner for caster wheel. Please purchase separately.

YUEI spanner (19×21mm wrench)

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

## LIGHT STAR (For Light Duty) / G-type

G

φ 25 32 38 50 65 75

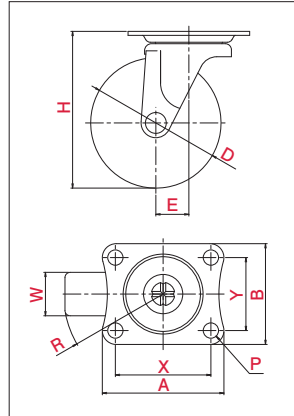
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



G-75BN

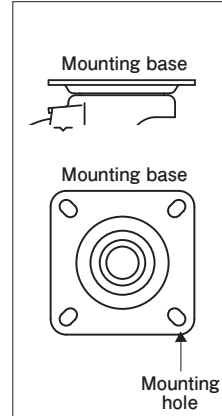
G-50PC-R  
(Chrome plating finish)

## •External dimensions

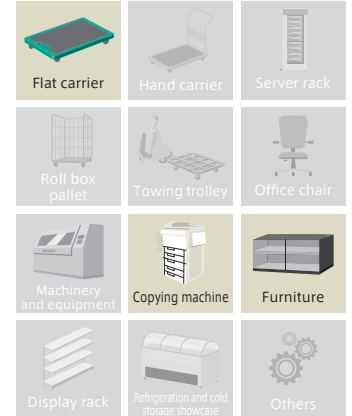


\*The Picture is a typical product image.

## •Mounting Method(Plate Type)



## •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
G-25EL	Wheel:PP Tread:Elastomer	25	12	35	35×30	28×23	4.2	8	21	8(8.2)
G-32EL		32	14	42	38×32	30×24		10	27	12(12.2)
G-38EL		38	17	50	46×38	36×28	5.3	12	32	20(20.4)
G-50EL		50	20	65	59×47	46×35	6.5	16	42	25(25.5)
G-65EL		65	27	80	70×58	55×42	8.8	21	54	40(40.8)
G-75EL		75		90					59	50(51.0)
G-25R	Wheel:Rubber Tread:Rubber	25	12	35	35×30	28×23	4.2	8	21	8(8.2)
G-32R		32	14	42	38×32	30×24		10	27	12(12.2)
G-38R		38	17	50	46×38	36×28	5.3	12	32	20(20.4)
G-50R		50	20	65	59×47	46×35	6.5	16	42	30(30.6)
G-65RH		65	25	80	70×58	55×42	8.8	21	54	40(40.8)
G-75RH		75		90					59	50(51.0)
G-25N	Wheel:Nylon Tread:Nylon	25	12	35	35×30	28×23	4.2	8	21	10(10.2)
G-32N		32	14	42	38×32	30×24		10	27	18(18.4)
G-38N		38	16	50	46×38	36×28	5.3	12	32	28(28.6)
G-50N		50	21	65	59×47	46×35	6.5	16	42	38(38.8)
G-65N		65	25	80	70×58	55×42	8.8	21	54	55(56.1)
G-75N		75		90					59	65(66.3)
G-25BN	Wheel:Nylon(Black) Tread:Nylon(Black)	25	12	35	35×30	28×23	4.2	8	21	10(10.2)
G-32BN		32	14	42	38×32	30×24		10	27	18(18.4)
G-38BN		38	16	50	46×38	36×28	5.3	12	32	28(28.6)
G-50BN		50	21	65	59×47	46×35	6.5	16	42	38(38.8)
G-65BN		65	25	80	70×58	55×42	8.8	21	54	55(56.1)
G-75BN		75		90					59	65(66.3)
G-25UR	Wheel:Nylon Tread:Urethane	25	12	35	35×30	28×23	4.2	8	21	10(10.2)
G-32UR		32	14	42	38×32	30×24		10	27	18(18.4)
G-38UR		38	16	50	46×38	36×28	5.3	12	32	28(28.6)
G-50UR		50	21	65	59×47	46×35	6.5	16	42	38(38.8)
G-65UR		65	25	80	70×58	55×42	8.8	21	54	55(56.1)
G-75UR		75		90					59	65(66.3)

# LIGHT STAR (For Light Duty) / G-type G

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
G-25PC-R		25	12	35	35×30	28×23	4.2	8	21	10(10.2)
G-38PC-R		38	16	50	46×38	36×28	5.3	12	32	28(28.6)
*G-50PC-R		50	21.5	65	59×47	46×35	6.5	16	42	38(38.8)
	Wheel: Polycarbonate(Red) Tread: Polycarbonate(Red)									
G-25PC-C		25	12	35	35×30	28×23	4.2	8	21	10(10.2)
G-38PC-C		38	16	50	46×38	36×28	5.3	12	32	28(28.6)
*G-50PC-C		50	21.5	65	59×47	46×35	6.5	16	42	38(38.8)
	Wheel: Polycarbonate(Transparent) Tread: Polycarbonate(Transparent)									
G-25PC-G		25	12	35	35×30	28×23	4.2	8	21	10(10.2)
G-38PC-G		38	16	50	46×38	36×28	5.3	12	32	28(28.6)
*G-50PC-G		50	21.5	65	59×47	46×35	6.5	16	42	38(38.8)
	Wheel: Polycarbonate(Green) Tread: Polycarbonate(Green)									

\* G-50PC-R / C / G are CP (Chrome Plating)

# LIGHT STAR (For Light Duty) / G-type

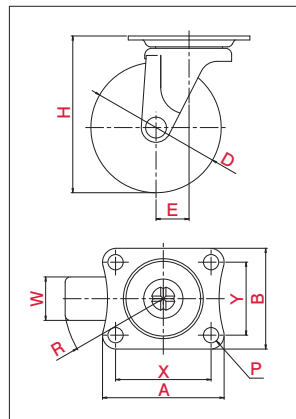
# G-S

φ 38 50 65 75

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

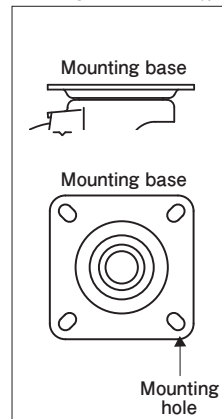


### External dimensions

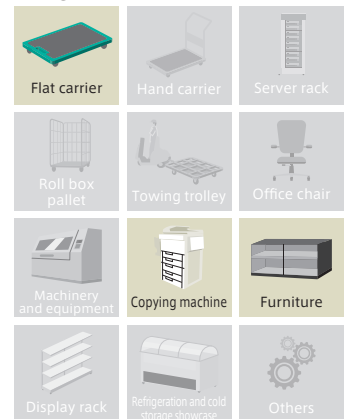


\*The Picture is a typical product image.

### Mounting Method(Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
G-38ELS		38	17	50	46×38	36×28	5.3	12	45	20(20.4)
G-50ELS		50	20	65	59×47	46×35	6.5	16	50	25(25.5)
G-65ELS		65	27	80	70×58	55×42	8.8	21	59	40(40.8)
G-75ELS		75		90						
	Wheel: PP Tread: Elastomer									
G-38RS		38	17	50	46×38	36×28	5.3	12	45	20(20.4)
G-50RS		50	20	65	59×47	46×35	6.5	16	50	30(30.6)
G-65RHS		65	25	80	70×58	55×42	8.8	21	59	40(40.8)
G-75RHS		75		90						
	Wheel: Rubber Tread: Rubber									
G-38NS		38	16	50	46×38	36×28	5.3	12	45	20(20.4)
G-50NS		50	21	65	59×47	46×35	6.5	16	50	38(38.8)
G-65NS		65	25	80	70×58	55×42	8.8	21	59	55(56.1)
G-75NS		75		90						
	Wheel: Nylon Tread: Nylon									
G-38BNS		38	16	50	46×38	36×28	5.3	12	45	28(28.6)
G-50BNS		50	21	65	59×47	46×35	6.5	16	50	38(38.8)
G-65BNS		65	25	80	70×58	55×42	8.8	21	59	55(56.1)
G-75BNS		75		90						
	Wheel: Nylon(Black) Tread: Nylon(Black)									

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type





NP-type

SKY-type

SILENT-type

OTHER

# LIGHT STAR (For Light Duty) / G-type G-S

Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y)(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
G-38URS	 Wheel:Nylon Tread:Urethane	38	16	50	46×38	36×28	5.3	12	45	28(28.6)
G-50URS		50	21	65	59×47	46×35	6.5	16	50	38(38.8)
G-65URS		65	25	80	70×58	55×42	8.8	21	59	55(56.1)
G-75URS		75	26	90						65(66.3)
G-38PCS-R	 Wheel:Polycarbonate(Red) Tread:Polycarbonate(Red)	38	16	50	46×38	36×28	5.3	12	45	28(28.6)
*G-50PCS-R		50	21.5	65	59×47	46×35	6.5	16	50	38(38.8)
G-38PCS-C	 Wheel:Polycarbonate(Transparent) Tread:Polycarbonate(Transparent)	38	16	50	46×38	36×28	5.3	12	45	28(28.6)
*G-50PCS-C		50	21.5	65	59×47	46×35	6.5	16	50	38(38.8)
G-38PCS-G	 Wheel:Polycarbonate(Green) Tread:Polycarbonate(Green)	38	16	50	46×38	36×28	5.3	12	45	28(28.6)
*G-50PCS-G		50	21.5	65	59×47	46×35	6.5	16	50	38(38.8)

\* G-50PC-R / C / G are CP (Chome Plating)

# LIGHT STAR (For Light Duty) / G-type

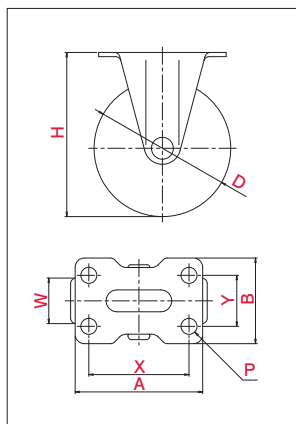
# GR

φ 25 32 38 50 65 75

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

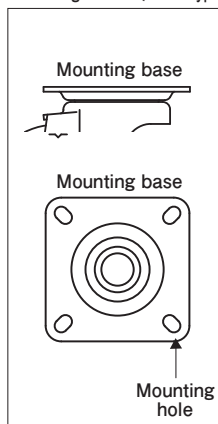


### External dimensions

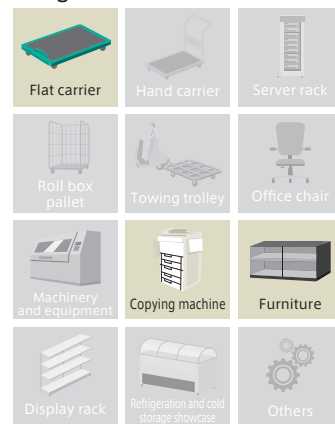




\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



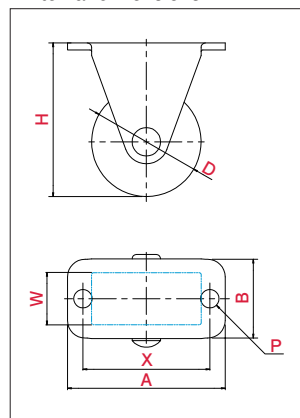
Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y)(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)	
*2 GR-25EL	 Wheel:PP Tread:Elastomer	25	12	35	36×18	29×0	4.2			8(8.2)	
*2 GR-32EL		32	14	42	36×20					12(12.2)	
GR-38EL		38	17	50	46×25	36×15	5.3			20(20.4)	
GR-50EL		50	20	65	58×40	45×25	6.5			25(25.5)	
GR-65EL		27	65	80	90	70×47	55×28	8.8			40(40.8)
GR-75EL			75								50(51.0)
*2 GR-25R	 Wheel:Rubber Tread:Rubber	25	12	35	36×18	29×0	4.2			8(8.2)	
*2 GR-32R		32	14	42	36×20					12(12.2)	
GR-38R		38	17	50	46×25	36×15	5.3			20(20.4)	
GR-50R		50	20	65	58×40	45×25	6.5			30(30.6)	
GR-65RH		25	65	80	90	70×47	55×28	8.8			40(40.8)
GR-75RH			75								50(51.0)

# LIGHT STAR (For Light Duty) / G-type GR

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
*2 GR-25N	 Wheel: Nylon Tread: Nylon	25	12	35	36×18	29×0	4.2			10 (10.2)
*2 GR-32N		32	14	42	36×20					18 (18.4)
GR-38N		38	16	50	46×25	36×15	5.3	28 (28.6)		
GR-50N		50	21	65	58×40	45×25	6.5	38 (38.8)		
GR-65N		65	25	80	70×47	55×28	8.8			55 (56.1)
GR-75N		75		90						65 (66.3)
*2 GR-25BN	 Wheel: Nylon (Black) Tread: Nylon (Black)	25	12	35	36×18	29×0	4.2			10 (10.2)
*2 GR-32BN		32	14	42	36×20					18 (18.4)
GR-38BN		38	16	50	46×25	36×15	5.3	28 (28.6)		
GR-50BN		50	21	65	58×40	45×25	6.5	38 (38.8)		
GR-65BN		65	25	80	70×47	55×28	8.8			55 (56.1)
GR-75BN		75		90						65 (66.3)
*2 GR-25UR	 Wheel: Nylon Tread: Urethane	25	12	35	36×18	29×0	4.2			10 (10.2)
*2 GR-32UR		32	14	42	36×20					18 (18.4)
GR-38UR		38	16	50	46×25	36×15	5.3	28 (28.6)		
GR-50UR		50	21	65	58×40	45×25	6.5	38 (38.8)		
GR-65UR		65	25	80	70×47	55×28	8.8			55 (56.1)
GR-75UR		75		90						65 (66.3)
*2 GR-25PC-R	 Wheel: Polycarbonate (Red) Tread: Polycarbonate (Red)	25	12	35	36×18	29×0	4.2			10 (10.2)
GR-38PC-R		38	16	50	46×25	36×15	5.3			28 (28.6)
*1 GR-50PC-R		50	21.5	65	58×40	45×25	6.5			38 (38.8)
*2 GR-25PC-C	 Wheel: Polycarbonate (Transparent) Tread: Polycarbonate (Transparent)	25	12	35	36×18	29×0	4.2			10 (10.2)
GR-38PC-C		38	16	50	46×25	36×15	5.3			28 (28.6)
*1 GR-50PC-C		50	21.5	65	58×40	45×25	6.5			38 (38.8)
*2 GR-25PC-G	 Wheel: Polycarbonate (Green) Tread: Polycarbonate (Green)	25	12	35	36×18	29×0	4.2			10 (10.2)
GR-38PC-G		38	16	50	46×25	36×15	5.3			28 (28.6)
*1 GR-50PC-G		50	21.5	65	58×40	45×25	6.5			38 (38.8)

\*1 GR-50PC-R / C / G are CP (Chome Plating)  
\*2 Mounting holes of  $\phi 25 \cdot \phi 32$  are two.

## •External dimensions



# LIGHT STAR (For Light Duty) / L-type

# LG

φ 50

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

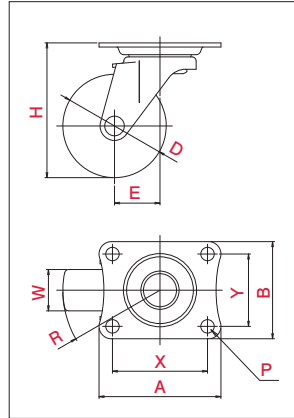


LG-50BN



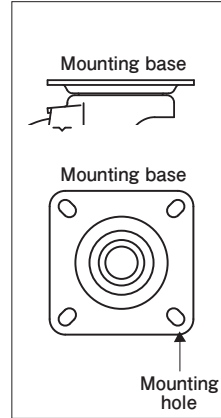
R N UR

### External dimensions

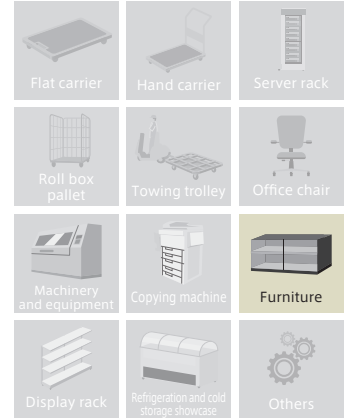


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
LG-50R	 Wheel:Rubber Tread:Rubber	50	20	65	59×47	46×35	6.5	22	47	30(30.6)
LG-50RE	 Wheel:ConductiveRubber Tread:ConductiveRubber	50	20	65	59×47	46×35	6.5	22	47	30(30.6)
LG-50N	 Wheel:Nylon Tread:Nylon	50	21	65	59×47	46×35	6.5	22	47	40(40.8)
LG-50BN	 Wheel:Nylon(Black) Tread:Nylon(Black)	50	21	65	59×47	46×35	6.5	22	47	40(40.8)
LG-50UR	 Wheel:Nylon Tread:Urethane	50	21	65	59×47	46×35	6.5	22	47	38(38.8)



# LG-S

φ 50

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

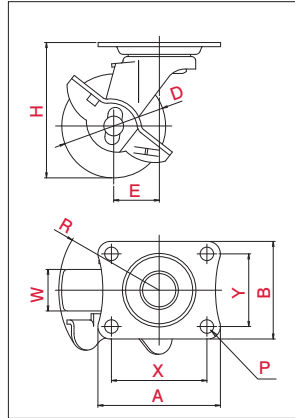


LG-50BNS



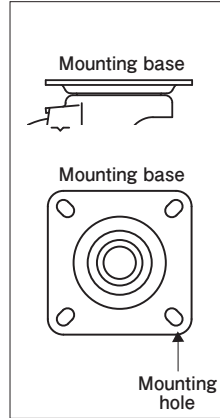
R N UR

•External dimensions

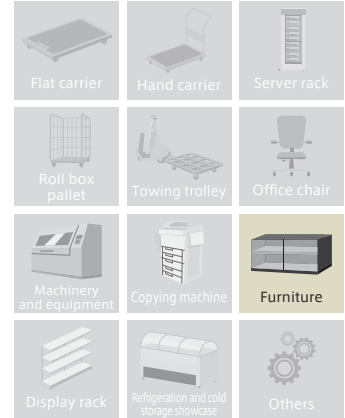


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
LG-50RS	 Wheel:Rubber Tread:Rubber	50	20	65	59×47	46×35	6.5	22	49	30(30.6)
LG-50RES	 Wheel:Conductive Rubber Tread:Conductive Rubber	50	20	65	59×47	46×35	6.5	22	49	30(30.6)
LG-50NS	 Wheel:Nylon Tread:Nylon	50	21	65	59×47	46×35	6.5	22	49	40(40.8)
LG-50BNS	 Wheel:Nylon(Black) Tread:Nylon(Black)	50	21	65	59×47	46×35	6.5	22	49	40(40.8)
LG-50URS	 Wheel:Nylon Tread:Urethane	50	21	65	59×47	46×35	6.5	22	49	38(38.8)

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

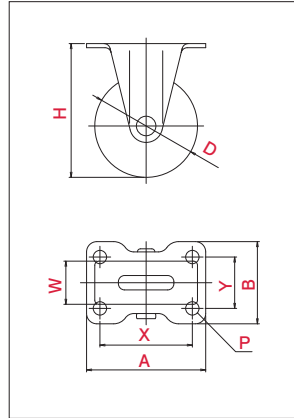
# LIGHT STAR (For Light Duty) / L-type

# LR $\phi 50$

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

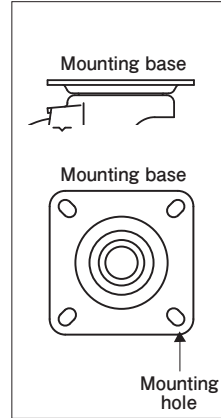


### External dimensions

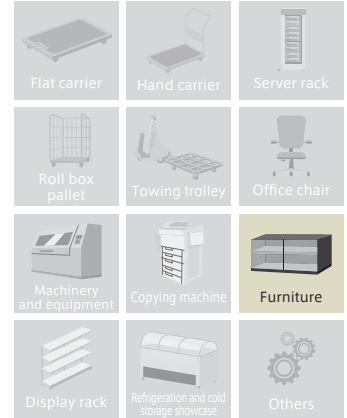


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
LR-50R	Wheel: Rubber Tread: Rubber	50	20	65	58×40	45×25	6.5			30 (30.6)
LR-50RE	Wheel: Conductive Rubber Tread: Conductive Rubber	50	20	65	58×40	45×25	6.5			30 (30.6)
LR-50N	Wheel: Nylon Tread: Nylon	50	21	65	58×40	45×25	6.5			40 (40.8)
LR-50BN	Wheel: Nylon (Black) Tread: Nylon (Black)	50	21	65	58×40	45×25	6.5			40 (40.8)
LR-50UR	Wheel: Nylon Tread: Urethane	50	21	65	58×40	45×25	6.5			38 (38.8)

# LIGHT STAR (For Light Duty) / L-type

# LT

φ 40 50 65 75

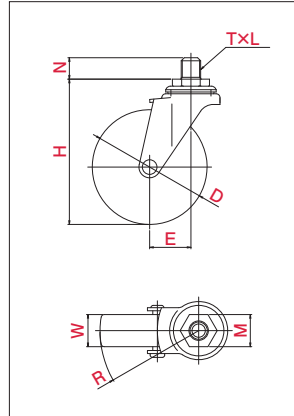
Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper



LT-75EL, M12×35

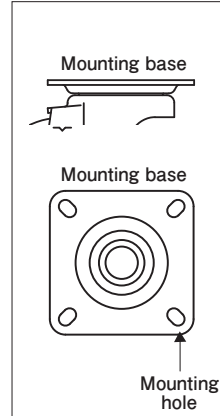


### External dimensions

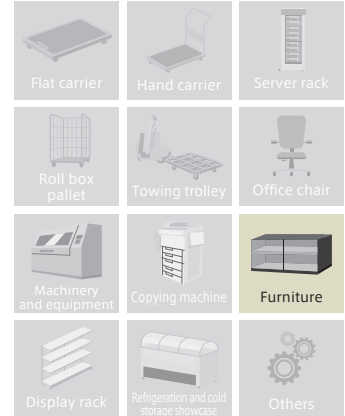


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage




Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)									
LT-40R, M12×14		40	17	59	M12	1.25	14	19	21	41	25 (25.5)									
LT-40R, UNF1/2×14					UNF1/2	20		21												
LT-40R, W3/8×14					W3/8	16		17												
LT-50R, M12×14		50	20	68	M12	1.25	14	19	22	47										
LT-50R, UNF1/2×14					UNF1/2	20		21												
LT-50R, W3/8×14					W3/8	16		17												
LT-65RH, M12×14			65	21	85	M12	1.25	35	19	23		56	30 (30.6)							
LT-65RH, M12×35						1.75	35		19											
LT-65RH, UNF1/2×14						UNF1/2	20		21											
LT-65RH, W3/8×14						W3/8	16		14					17						
LT-75RH, M12×14						75	21		95					M12	1.25	35	19	27	65	40 (40.8)
LT-75RH, M12×35														1.75	35		19			
LT-75RH, UNF1/2×14	UNF1/2		20	14	21															
LT-75RH, W3/8×14	W3/8		16	14	17															
LT-40N, M12×14			40	18	59			M12		1.25	14	19	21	42	30 (30.6)					
LT-40N, UNF1/2×14								UNF1/2		20		21								
LT-40N, W3/8×14						W3/8	16	17												
LT-50N, M12×14			50	18	68	M12	1.25	14	19	22	47									
LT-50N, UNF1/2×14		UNF1/2				20	21													
LT-50N, W3/8×14		W3/8				16	17													
LT-65N, M12×14		65	21	85	M12	1.25	35	19	23	56	40 (40.8)									
LT-65N, M12×35					1.75	35		19												
LT-65N, UNF1/2×14					UNF1/2	20		14				21								
LT-65N, W3/8×14					W3/8	16		14				17								
LT-75N, M12×14					75	21		95				M12	1.25	35	19	27	65	50 (51.0)		
LT-75N, M12×35												1.75	35		19					
LT-75N, UNF1/2×14	UNF1/2	20	14	21																
LT-75N, W3/8×14	W3/8	16	14	17																

•We have specific spanner for caster wheel. Please purchase separately.

17mm flat wrench  
YUEI spanner (19×21mm wrench)

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

# LIGHT STAR (For Light Duty) / L-type LT

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	
LT-40BN,W3/8×14		40	18	59	W3/8	16	14	17	21	42	30(30.6)	
LT-40BN,M12×14					M12	1.25		19				
LT-40BN,UNF1/2×14					UNF1/2	20		21				
LT-50BN,W3/8×14		50	68	W3/8	16	17						
LT-50BN,M12×14				M12	1.25	19						
LT-50BN,UNF1/2×14				UNF1/2	20	21						
LT-65BN,W3/8×14		65	21	85	W3/8	16	35	17	23	56	35(35.7)	
LT-65BN,M12×14					M12	1.25		19				
LT-65BN,M12×35					UNF1/2	20		14			21	40(40.8)
LT-65BN,UNF1/2×14		75	95	M12	1.75	35	19	27	65	50(51.0)		
LT-75BN,M12×35				M12	1.75	35	17			35(35.7)		
LT-75BN,W3/8×14				W3/8	16	14	19			50(51.0)		
LT-75BN,M12×14		M12	1.25	14	19	21	27	65	50(51.0)			
LT-75BN,UNF1/2×14		UNF1/2	20	20								
Wheel:Nylon(Black) Tread:Nylon(Black)												
LT-50RE,M12×14		50	20	68	M12	1.25	14	19	22	47	30(30.6)	
LT-50RE,UNF1/2×14					UNF1/2	20		21				
LT-50RE,W3/8×14					W3/8	16		17				
LT-65RHE,M12×14		65	21	85	M12	1.25	35	19	23	56		30(30.6)
LT-65RHE,M12×35					M12	1.75		19				
LT-65RHE,UNF1/2×14					UNF1/2	20		21				
LT-65RHE,W3/8×14		W3/8	16	14	17	27	65	40(40.8)				
LT-75RHE,M12×14		M12	1.25	19								
LT-75RHE,M12×35		M12	1.75	35	17							
LT-75RHE,UNF1/2×14		75	95	UNF1/2	20	14	21	27	65	40(40.8)		
LT-75RHE,W3/8×14				W3/8	16	14	17				35(35.7)	
Wheel:Conductive Rubber Tread:Conductive Rubber												
LT-65EL,M12×14			65	21	85	M12	1.25	35	19	23	56	30(30.6)
LT-65EL,M12×35						M12	1.75		19			
LT-65EL,UNF1/2×14						UNF1/2	20		21			
LT-65EL,W3/8×14	W3/8		16	14	17	27	65	40(40.8)				
LT-75EL,M12×14	M12		1.25	19								
LT-75EL,M12×35	M12		1.75	35	17							
LT-75EL,UNF1/2×14	75		95	UNF1/2	20	14	21	27	65	40(40.8)		
LT-75EL,W3/8×14				W3/8	16	14	17				35(35.7)	
Wheel:PP Tread:Elastomer												
LT-65UR,M12×14			65	21	85	M12	1.25	35	19	23	56	40(40.8)
LT-65UR,M12×35						M12	1.75		19			
LT-65UR,UNF1/2×14						UNF1/2	20		21			
LT-65UR,W3/8×14			W3/8	16	14	17	27	65	45(45.9)			
LT-75UR,M12×14			M12	1.25	19							
LT-75UR,M12×35			M12	1.75	35	17						
LT-75UR,UNF1/2×14		75	95	UNF1/2	20	14	21	27	65	45(45.9)		
LT-75UR,W3/8×14				W3/8	16	14	17				35(35.7)	
Wheel:Nylon Tread:Urethane												

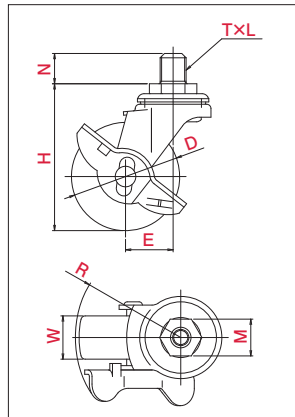
# LT-S

φ 40 50 65 75

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

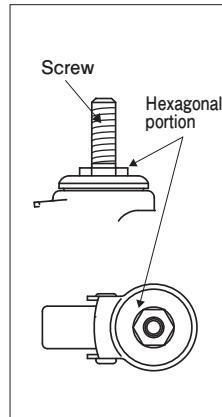


•External dimensions

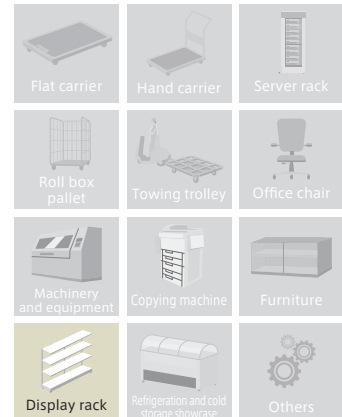


\*The Picture is a typical product image.

•Mounting Method (Screw-in Type)



•Usage







Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)									
LT-40RS, M12×14		40	17	59	M12	1.25	14	19	21	50	25(25.5)									
LT-40RS, UNF1/2×14					UNF1/2	20		21												
LT-40RS, W3/8×14					W3/8	16		17												
LT-50RS, M12×14		50	20	68	M12	1.25	14	19	22	49										
LT-50RS, UNF1/2×14					UNF1/2	20		21												
LT-50RS, W3/8×14					W3/8	16		17												
LT-65RHS, M12×14		65	21	85	21	M12	1.25	35	19	23		57	30(30.6)							
LT-65RHS, M12×35						1.75	19													
LT-65RHS, UNF1/2×14						UNF1/2	20		21											
LT-65RHS, W3/8×14						W3/8	16	14	17											
LT-75RHS, M12×14						75	95	95	21					M12	1.25	35	19	27	65	40(40.8)
LT-75RHS, M12×35														1.75	19					
LT-75RHS, UNF1/2×14	UNF1/2	20	14	17																
LT-75RHS, W3/8×14	W3/8	16	14	17	17	35(35.7)														
LT-40NS, M12×14		40	18	59	M12	1.25	14	19	21	50	30(30.6)									
LT-40NS, UNF1/2×14					UNF1/2	20		21												
LT-40NS, W3/8×14					W3/8	16		17												
LT-50NS, M12×14		50	68	68	M12	1.25	14	19	22	49										
LT-50NS, UNF1/2×14					UNF1/2	20		21												
LT-50NS, W3/8×14					W3/8	16		17												
LT-65NS, M12×14		65	21	85	21	M12	1.25	35	19	23		57	40(40.8)							
LT-65NS, M12×35						1.75	19													
LT-65NS, UNF1/2×14						UNF1/2	20		21											
LT-65NS, W3/8×14						W3/8	16	14	17					35(35.7)						
LT-75NS, M12×14						75	95	95	21					M12	1.25	35	19	27	65	50(51.0)
LT-75NS, M12×35														1.75	19					
LT-75NS, UNF1/2×14	UNF1/2	20	14	17	35(35.7)															
LT-75NS, W3/8×14	W3/8	16	14	17	17	35(35.7)														

•We have specific spanner for caster wheel. Please purchase separately.

17mm flat wrench  
YUEI spanner (19×21mm wrench)

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

# LIGHT STAR (For Light Duty) / L-type LT-S

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	
LT-40BNS,M12×14		40	18	59	M12	1.25	14	19	21	50	30 (30.6)	
LT-40BNS,UNF1/2×14					UNF1/2	20		21				
LT-40BNS,W3/8×14					W3/8	16		17				
LT-50BNS,M12×14		50	21	68	M12	1.25	14	19	22	49		
LT-50BNS,UNF1/2×14					UNF1/2	20		21				
LT-50BNS,W3/8×14					W3/8	16		17				
LT-65BNS,M12×14		65	21	85	M12	1.25	35	19	23	57		35 (35.7)
LT-65BNS,M12×35					UNF1/2	20		21				
LT-65BNS,W3/8×14					W3/8	16		17				
LT-65BNS,UNF1/2×14					UNF1/2	20	21					
LT-65BNS,W3/8×14					W3/8	16	14	17				
LT-65BNS,M12×14					M12	1.25	19					
LT-75BNS,M12×35	75	21	95	M12	1.75	35	19	27	65	50 (51.0)		
LT-75BNS,M12×14				UNF1/2	20		21					
LT-75BNS,UNF1/2×14				UNF1/2	20		14			17		
LT-75BNS,W3/8×14	W3/8	16	14	17								
LT-50RES,M12×14		50	20	68	M12	1.25	14	19	22	49	30 (30.6)	
LT-50RES,UNF1/2×14					UNF1/2	20		21				
LT-50RES,W3/8×14					W3/8	16		17				
LT-65RHES,M12×14		65	21	85	M12	1.25	35	19	23	57		
LT-65RHES,M12×35					UNF1/2	20		21				
LT-65RHES,UNF1/2×14					UNF1/2	20		14				17
LT-65RHES,W3/8×14		W3/8	16	14	17							
LT-75RHES,M12×14		75	21	95	M12	1.25	35	19	27	65		40 (40.8)
LT-75RHES,M12×35					UNF1/2	20		21				
LT-75RHES,UNF1/2×14					UNF1/2	20		14				17
LT-75RHES,W3/8×14		W3/8	16	14	17							
LT-65ELS,M12×14			65	21	85	M12	1.25	14	19	23		57
LT-65ELS,M12×35	UNF1/2					20	21					
LT-65ELS,UNF1/2×14	UNF1/2					20	14	17				
LT-65ELS,W3/8×14	W3/8					16	14	17				
LT-75ELS,M12×14	75		21	95	M12	1.25	35	19	27	65		
LT-75ELS,M12×35					UNF1/2	20		21				
LT-75ELS,UNF1/2×14					UNF1/2	20	14	17				
LT-75ELS,W3/8×14					W3/8	16	14	17				
LT-65URS,M12×14		65	21	85	M12	1.25	14	19	23	57	40 (40.8)	
LT-65URS,M12×35					UNF1/2	20		21				
LT-65URS,UNF1/2×14					UNF1/2	20	14	17				
LT-65URS,W3/8×14					W3/8	16	14	17				
LT-75URS,M12×14		75	21	95	M12	1.25	35	19	27	65	45 (45.9)	
LT-75URS,M12×35					UNF1/2	20		21				
LT-75URS,UNF1/2×14					UNF1/2	20	14	17				
LT-75URS,W3/8×14					W3/8	16	14	17				

Wheel:Nylon(Black)  
Tread:Nylon(Black)

Wheel:Conductive Rubber  
Tread:Conductive Rubber

Wheel:PP  
Tread:Elastomer

Wheel:Nylon  
Tread:Urethane

# LIGHT STAR (For Light Duty) / L-type

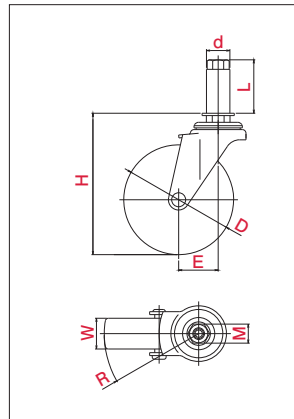
# LTF

φ 40 50 65 75

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

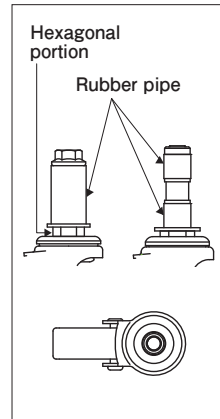


### External dimensions

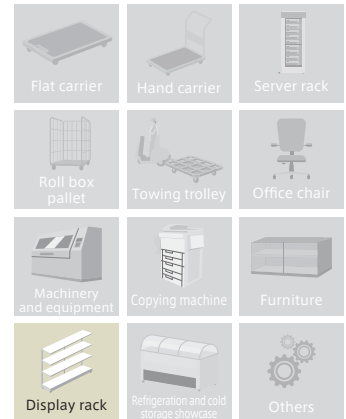


\*The Picture is a typical product image.

### Mounting Method (Insertion Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Pipe Diameter (d[mm])	Axis Length (L[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
LTF-40R, φ 16		40	17	60	16	38	14	21	41	20(20.4)
LTF-40R, φ 18					18					
LTF-40R, φ 22					22					
LTF-40R, φ 24P					24					
LTF-50R, φ 16		50	20	70	16					
LTF-50R, φ 18					18					
LTF-50R, φ 22					22					
LTF-50R, φ 24P					24					
LTF-65RH, φ 16		65	21	87	16					
LTF-65RH, φ 18					18					
LTF-65RH, φ 22					22					
LTF-65RH, φ 24P					24					
LTF-75RH, φ 16	75	21	97	16						
LTF-75RH, φ 18				18						
LTF-75RH, φ 22				22						
LTF-75RH, φ 24P				24						
LTF-40N, φ 16		40	18	60	16	38	14	21	42	30(30.6)
LTF-40N, φ 18					18					
LTF-40N, φ 22					22					
LTF-40N, φ 24P					24					
LTF-50N, φ 16		50	21	70	16					
LTF-50N, φ 18					18					
LTF-50N, φ 22					22					
LTF-50N, φ 24P					24					
LTF-65N, φ 16		65	21	87	16					
LTF-65N, φ 18					18					
LTF-65N, φ 22					22					
LTF-65N, φ 24P					24					
LTF-75N, φ 16	75	21	97	16						
LTF-75N, φ 18				18						
LTF-75N, φ 22				22						
LTF-75N, φ 24P				24						

•We have specific spanner for castor wheel. Please purchase separately.

14mm flat wrench

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type





NP-type

SKY-type

SILENT-type

OTHER

# LIGHT STAR (For Light Duty) / L-type LTF

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Pipe Diameter (d[mm])	Axis Length (L[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)				
LTF-40BN, φ 16		40	18	60	16	38	14	21	42	30(30.6)				
LTF-40BN, φ 18					18									
LTF-40BN, φ 22					22									
LTF-40BN, φ 24P					24									
LTF-50BN, φ 16		50	70	16	22			47						
LTF-50BN, φ 18				18										
LTF-50BN, φ 22				22										
LTF-50BN, φ 24P				24										
LTF-65BN, φ 16		65	21	87	16			23	56					
LTF-65BN, φ 18					18									
LTF-65BN, φ 22					22									
LTF-65BN, φ 24P					24									
LTF-75BN, φ 22		75	97	22	27			65						
LTF-75BN, φ 16				16										
LTF-75BN, φ 18				18										
LTF-75BN, φ 24P				24										
LTF-50RE, φ 16		50	20	70	16	38	14	22	47	30(30.6)				
LTF-50RE, φ 18					18									
LTF-50RE, φ 22					22									
LTF-50RE, φ 24P					24									
LTF-65RHE, φ 16		65	21	87	16			23	56					
LTF-65RHE, φ 18					18									
LTF-65RHE, φ 22					22									
LTF-65RHE, φ 24P					24									
LTF-75RHE, φ 16		75	97	16	27			65						
LTF-75RHE, φ 18				18										
LTF-75RHE, φ 22				22										
LTF-75RHE, φ 24P				24										
LTF-65EL, φ 16			65	21	87			16	38		14	23	56	30(30.6)
LTF-65EL, φ 18								18						
LTF-65EL, φ 22								22						
LTF-65EL, φ 24P								24						
LTF-75EL, φ 16	75		97	16	27	65								
LTF-75EL, φ 18				18										
LTF-75EL, φ 22				22										
LTF-75EL, φ 24P				24										
LTF-65UR, φ 16		65	21	87	16	38	14	23	56	35(35.7)				
LTF-65UR, φ 18					18									
LTF-65UR, φ 22					22									
LTF-65UR, φ 24P					24									
LTF-75UR, φ 16		75	97	16	27			65						
LTF-75UR, φ 18				18										
LTF-75UR, φ 22				22										
LTF-75UR, φ 24P				24										

Wheel:Nylon(Black)  
Tread:Nylon(Black)

Wheel:Conductive Rubber  
Tread:Conductive Rubber

Wheel:PP  
Tread:Elastomer

Wheel:Nylon  
Tread:Urethane



# LTF-S

φ 40 50 65 75

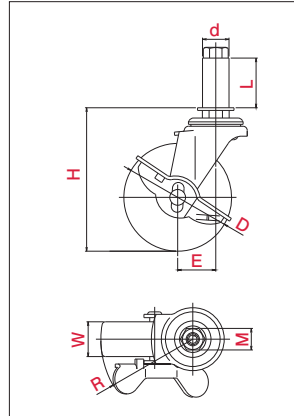
Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper



LTF-75NS, φ22

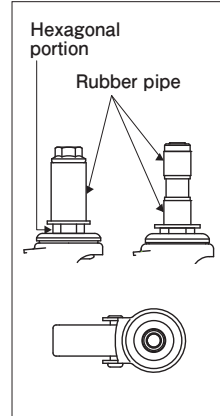


•External dimensions

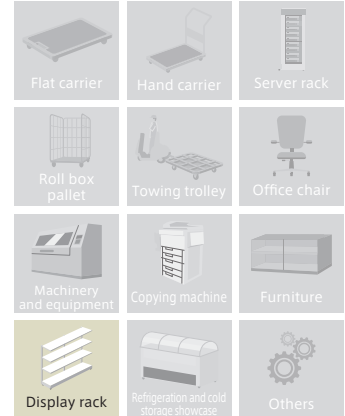


\*The Picture is a typical product image.

•Mounting Method (Insertion Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Pipe Diameter (d[mm])	Axis Length (L[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
LTF-40RS, φ 16		40	17	60	16	38	14	21	50	20(20.4)
LTF-40RS, φ 18					18					
LTF-40RS, φ 22					22					
LTF-40RS, φ 24P					24					
LTF-50RS, φ 16		50	20	70	16					
LTF-50RS, φ 18					18					
LTF-50RS, φ 22					22					
LTF-50RS, φ 24P					24					
LTF-65RHS, φ 16		65	21	87	16					
LTF-65RHS, φ 18					18					
LTF-65RHS, φ 22					22					
LTF-65RHS, φ 24P					24					
LTF-75RHS, φ 16	75	21	97	16						
LTF-75RHS, φ 18				18						
LTF-75RHS, φ 22				22						
LTF-75RHS, φ 24P				24						
LTF-40NS, φ 16		40	18	60	16	38	14	21	50	30(30.6)
LTF-40NS, φ 18					18					
LTF-40NS, φ 22					22					
LTF-40NS, φ 24P					24					
LTF-50NS, φ 16		50	21	70	16					
LTF-50NS, φ 18					18					
LTF-50NS, φ 22					22					
LTF-50NS, φ 24P					24					
LTF-65NS, φ 16		65	21	87	16					
LTF-65NS, φ 18					18					
LTF-65NS, φ 22					22					
LTF-65NS, φ 24P					24					
LTF-75NS, φ 16	75	21	97	16						
LTF-75NS, φ 18				18						
LTF-75NS, φ 22				22						
LTF-75NS, φ 24P				24						

•We have specific spanner for castor wheel. Please purchase separately.

14mm flat wrench

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

# LIGHT STAR (For Light Duty) / L-type LTF-S

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Pipe Diameter (d[mm])	Axis Length (L[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)											
LTF-40BNS, φ 16		40	18	60	16	38	14	21	50	30(30.6)											
LTF-40BNS, φ 18					18																
LTF-40BNS, φ 22					22																
LTF-40BNS, φ 24P					24																
LTF-50BNS, φ 16		50	21	87	16						38	14	22	49	40(40.8)						
LTF-50BNS, φ 18					18																
LTF-50BNS, φ 22					22																
LTF-50BNS, φ 24P					24																
LTF-65BNS, φ 16		65	21	87	16											38	14	23	57	50(51.0)	
LTF-65BNS, φ 18					18																
LTF-65BNS, φ 22					22																
LTF-65BNS, φ 24P					24																
LTF-75BNS, φ 22	75	21	97	22	38	14	27	65	50(51.0)												
LTF-75BNS, φ 16				16																	
LTF-75BNS, φ 18				18																	
LTF-75BNS, φ 24P				24																	
LTF-50RES, φ 16		50	20	70						16	38	14	22	49	30(30.6)						
LTF-50RES, φ 18										18											
LTF-50RES, φ 22										22											
LTF-50RES, φ 24P										24											
LTF-65RES, φ 16		65	21	87						16						38	14	23	57	40(40.8)	
LTF-65RES, φ 18										18											
LTF-65RES, φ 22										22											
LTF-65RES, φ 24P										24											
LTF-75RHES, φ 16		75	21	97	16	38	14	27	65	40(40.8)											
LTF-75RHES, φ 18					18																
LTF-75RHES, φ 22					22																
LTF-75RHES, φ 24P					24																
LTF-65ELS, φ 16		65	21	87	16						38	14	23	57	30(30.6)						
LTF-65ELS, φ 18					18																
LTF-65ELS, φ 22					22																
LTF-65ELS, φ 24P					24																
LTF-75ELS, φ 16		75	21	97	16											38	14	27	65	30(30.6)	
LTF-75ELS, φ 18					18																
LTF-75ELS, φ 22					22																
LTF-75ELS, φ 24P					24																
LTF-65URS, φ 16			65	21	87	16	38	14	23	57											35(35.7)
LTF-65URS, φ 18						18															
LTF-65URS, φ 22						22															
LTF-65URS, φ 24P						24															
LTF-75URS, φ 16	75		21	97	16	38					14	27	65	45(45.9)							
LTF-75URS, φ 18					18																
LTF-75URS, φ 22					22																
LTF-75URS, φ 24P					24																

Wheel:Nylon(Black)  
Tread:Nylon(Black)

Wheel:Conductive Rubber  
Tread:Conductive Rubber

Wheel:PP  
Tread:Elastomer

Wheel:Nylon  
Tread:Urethane

LIGHT STAR (For Light Duty, For Low Profile) / H-type

# LHG

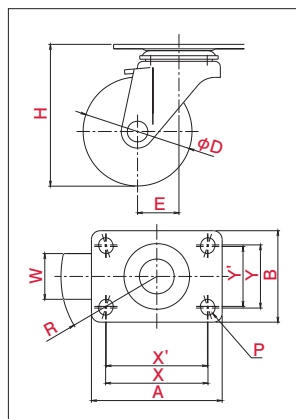
φ 40 50

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

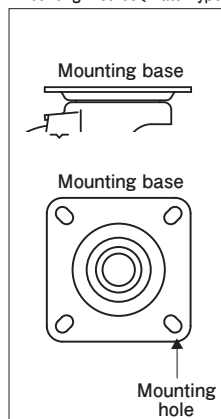


LHG-50BN

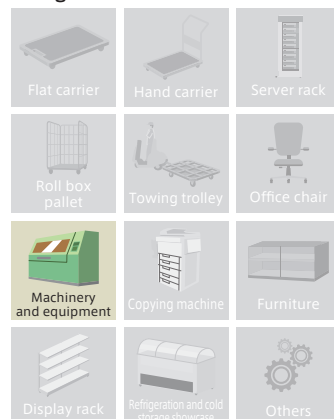
•External dimensions



•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
LHG-40BN		40	21	55	54×37	45×26	4.5	19	40	70(71.4)
LHG-50BN		50		65	60×42	47×29(45.5×27.5)	6.5		45	80(81.6)
	Wheel:Nylon(Black) Tread:Nylon(Black)									

LIGHT STAR (For Light Duty, With adjuster function) / AF-type

# SPLG

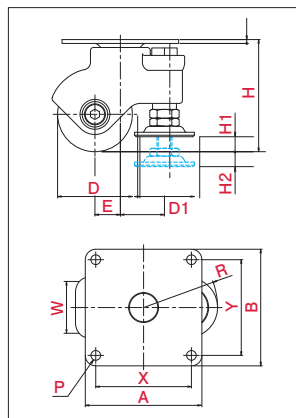
φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

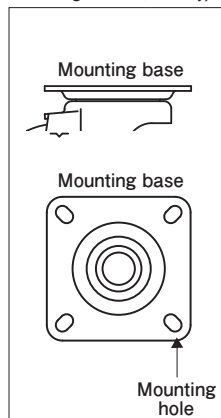


SPLG-75BN,AJ

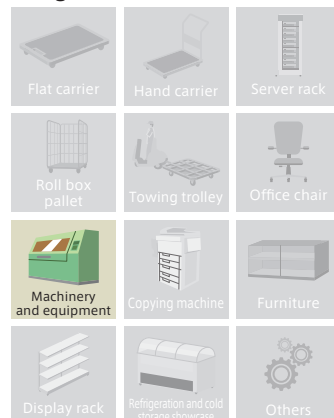
•External dimensions



•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	Length (N[mm])	Outer Diameter (D1[mm])	Adjust amount (H1 / H2[mm])
SPLG-50BN,AJ		50	28	75	78×78	64×64	6.5	17	50	60(61.2)		40	10 / 10
SPLG-65BN,AJ		65	25	93	92×92	75×75	8.5	27	66				10 / 20
SPLG-75BN,AJ		75		98									15 / 15
	Wheel:Nylon(Black) Tread:Nylon(Black)												

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

## LIGHT STAR (For Light Duty, With adjuster function)/AF-type

## E-AF

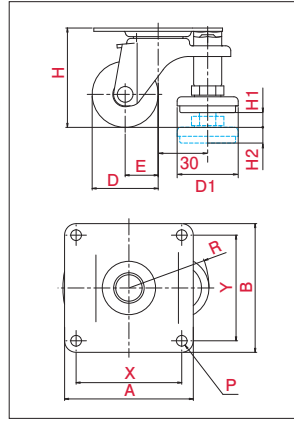
φ 40 50

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



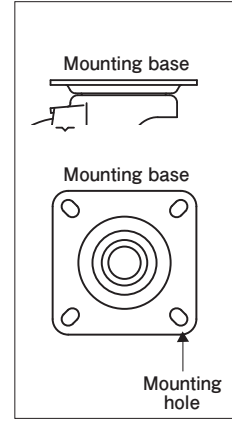
E-50BN-AF

## •External dimensions

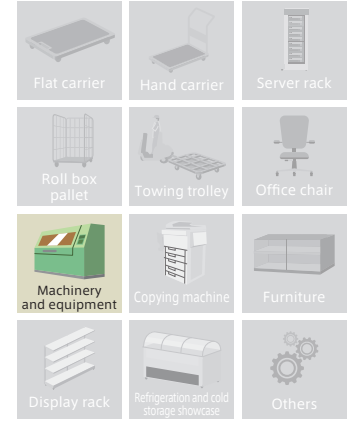


\*The Picture is a typical product image.

## •Mounting Method(Plate Type)



## •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	Length (N[mm])	Outer Diameter (D1[mm])	Adjust amount (H1 / H2[mm])
E-40BN-AF		40	21	60	78×78	64×64	6.5	20	49	30(30.6)		37	9 / 9.5
E-50BN-AF		50		65						40(40.8)			

Wheel:Nylon(Black)  
Tread:Nylon(Black)

## LIGHT STAR (For Light Duty, Silence)/SILENT-type

## PLJ

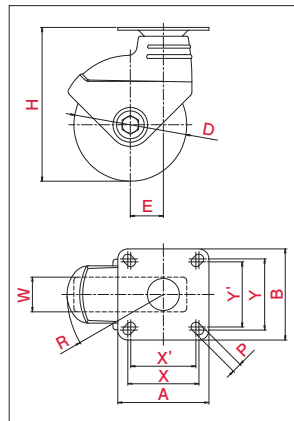
φ 100 130

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	



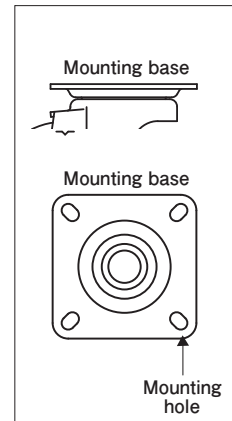
PLJ-100NR

## •External dimensions

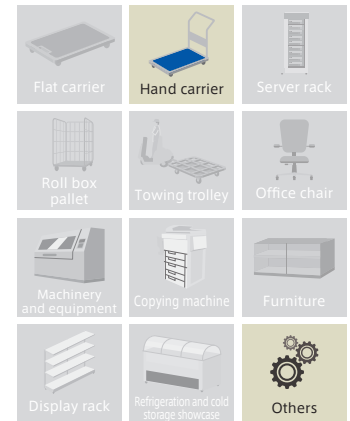


\*The Picture is a typical product image.

## •Mounting Method(Plate Type)



## •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
PLJ-100NR		100	32	144	95×95	74×74(67×67)	9	35	96	80(81.6)
PLJ-130NR		130	40	177	105×105	82×82(75×75)	11	38	111	120(122.4)
PLJ-100GU		100	32	144	95×95	74×74(67×67)	9	35	96	80(81.6)
PLJ-130GU		130	40	177	105×105	82×82(75×75)	11	38	111	120(122.4)

Wheel:Nylon  
Tread:Rubber(including B)Wheel:Nylon  
Tread:Urethane(including B)

# PLK

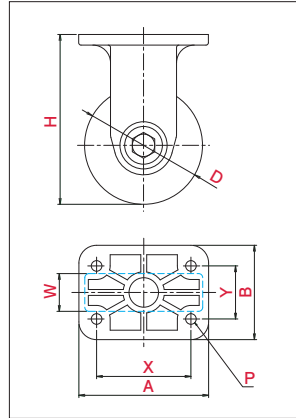
φ 100 130

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

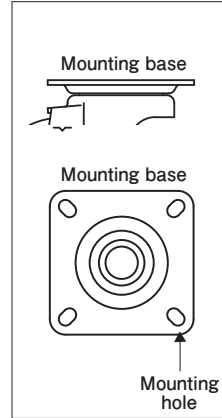


PLK-100NR

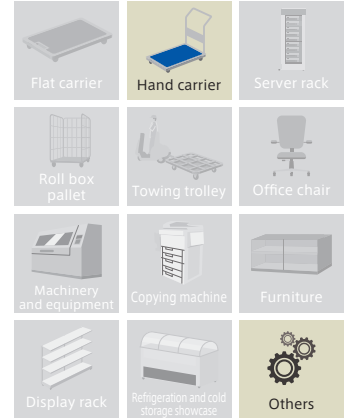
•External dimensions



•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
PLK-100NR		100	32	144	110×80	80×45	9			80(81.6)
PLK-130NR		130	40	177	130×90	100×56	11			120(122.4)
	Wheel:Nylon Tread:Rubber(including B)									
PLK-100GU		100	32	144	110×80	80×45	9			80(81.6)
PLK-130GU		130	40	177	130×90	100×56	11			120(122.4)
	Wheel:Nylon Tread:Urethane(including B)									

# M I D D L E S T A R

Smooth startability with established reputation,  
high quality model.



LINEUP

•J-type •M-type •SILENT-type

# MIDDLESTAR

## MIDDLE DUTY

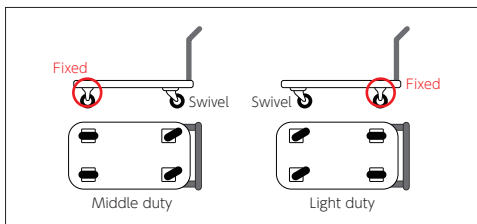


Make transport more smooth and pursuit of light footwork.  
It is the best one of use for Roobox.

### POINT

MIDDLESTAR is not only Rollbox also you can use for general industry.

•Caster mount position is freely



**Rollbox pallets**  
Standard mount pitch  
80×80 (75×75) mm  
71×71 (68×68) mm



**hand truck**

Standard mount pitch of Swivel and Fixed is (80\*80/71\*71).  
You can replace mounting position.

•Line up - Rubber, PU, Nylon wheel.

### How to choice?

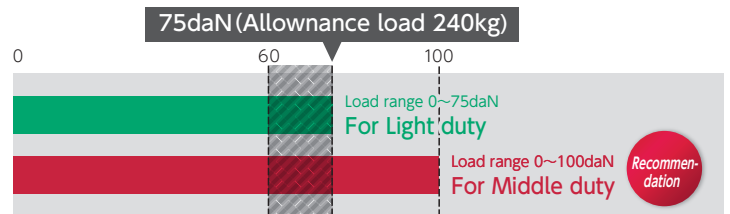
Select casters that are one extra rank in allowance load

When you select casters that are one extra rank in allowance load, it is easy to use good operability.  
For example, in case of the maximum load is 240kgf, you can choose a caster for light duty which allowance load is 75daN. But we recommend that you choose middle casters which are one extra rank.

•Optimum casters selection and usage conditions

case of caster usage 4pcs  
Allowance load = 1pc Allowance load \* 4pc \* 0.8

※Allowance (unit) 1daN=10N≒1.02kgf(1kgf≒9.8N≒0.98daN)



daN(Allowance load)

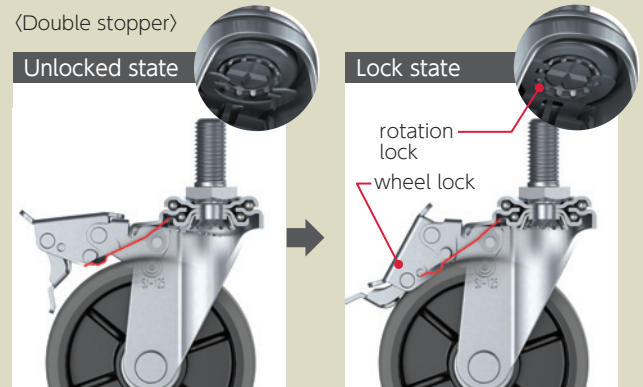
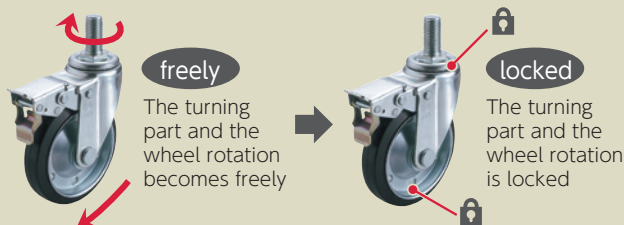
※Allowance load which is written in catalog showed easy value carrying out by human power on flat floor.(it does not include corresponding to towing caster) regarding to maximum load you have to choose casters which suits on load. However, case of using 4pcs caster, there are some pattern the load is stand only 3pcs.

Maximum load is calculated like the above way is general.  
Maximum load means including hand truck own weight.

### Column types of stopper

- ① Single stopper / A stopper that locks only the rotation of the wheel
- ② Swiveling fixing / A stopper that lock only swiving part
- ③ Double stopper / A stopper that lock swiving part and rotation of the wheel at the same time.

※There is a type ① and ② too.



When you step the pedal, you can lock rotation part and wheel part at the same time



## LINE UP

<b>J2</b> WJ2-130/NR/N/MCB/GU WJ2-150/NR/N/MCB/GU	P.088	<b>SUS-SJ</b> SUS-SJ-100NR/N/NB/GU SUS-SJ-125GU	P.103	<b>MG</b> MG-65N MG-75N	P.117
<b>SUS-J2</b> SUS-NRJ2-130/N/GU SUS-NRJ2-150/N/GU	P.089	<b>SJF</b> SJF-100NR-G/NR	P.104	<b>MR</b> MR-65N MR-75N	P.117
<b>J2F</b> NRJ2F-130 NRJ2F-150/NR-G	P.090	<b>SJ-S</b> SJ-100WS-P/W/NR/WE/N/NB/UW/GU/BRU,BC/PH SJ-125WS-P/W/WE/GU/BRU,BC	P.105–P.106		
<b>J2-S</b> WJ2-130S/NR/N/MCB/GU WJ2-150S/NR/N/MCB/GU	P.090–P.091	<b>SUS-SJ-S</b> SUS-SJ-100NR/N/NB/GU SUS-SJ-125GU	P.106		
<b>SUS-J2-S</b> SUS-NRJ2-130S/N/GU SUS-NRJ2-150S/N/GU	P.091	<b>SJF-S</b> SJF-100NRS-G/NR	P.107		
<b>J2F-S</b> NRJ2F-130S NRJ2F-150S/NR-G	P.092	<b>SJT</b> [M16×40] SJT-100W-P/W/NR/WE/N/NB/UW/GU/BRU/PH SJT-125W-P/W/WE/GU/BRU [M20×40] SJT-100W-P/W/NR/WE/N/NB/UW/GU/BRU/PH SJT-125W-P/W/WE/GU/BRU	P.108–P.109		
<b>RJ2</b> RJ2-100W-P/N/GU/NRP/W-P-G RJ2-125W-P/NP/GU/NWR/W-G/NWR-G RJ2-150W-P/GU/NWR/N/W-G/NWR-G	P.093	<b>SUS-SJT</b> [M16×40] SUS-SJT-100BRU,BC/GU/N SUS-SJT-125BRU,BC/GU [M20×40] SUS-SJT-100BRU,BC/GU/N SUS-SJT-125BRU,BC/GU	P.109		
<b>RJ2-S</b> RJ2-100WS-P/N/GU/NRP/W-P-G RJ2-125WS-P/NP/GU/NWR/W-G/NWR-G RJ2-150WS-P/GU/NWR/N/W-G/NWR-G	P.094	<b>SJT-S</b> [M16×40] SJT-100WS-P/W/NR/WE/N/NB/UW/GU/BRU/PH SJT-125WS-P/W/WE/GU/BRU [M20×40] SJT-100WS-P/W/NR/WE/N/NB/UW/GU/BRU/PH SJT-125WS-P/W/WE/GU/BRU	P.110–P.111		
<b>J2K</b> WJ2K-130/NR/N/MCB/GU WJ2K-150/NR/N/MCB/GU	P.095	<b>SUS-SJT-S</b> [M16×40] SUS-SJT-100BRUS,BC/GU/N SUS-SJT-125BRUS,BC/GU [M20×40] SUS-SJT-100BRUS,BC/GU/N SUS-SJT-125BRUS,BC/GU	P.111		
<b>J2K-S</b> WJ2K-130S/NR/N/MCB/GU WJ2K-150S/NR/N/MCB/GU	P.096	<b>SJT-SW</b> [M16×40] SJT-125WSW-P/W/GU/BRU/WE [M20×40] SJT-125WSW-P/W/GU/BRU/WE	P.112		
<b>RJ2K</b> RJ2K-125W-P/NP/GU/NWR	P.097	<b>SK</b> SK-100W-P/W/NR/NRF/NRF-G/WE/N/NB/UW/GU/BRU,BC/PH/NRP SK-125W-P/W/WE/GU/BRU,BC	P.113–P.114		
<b>KRJ2K</b> KRJ2K-150NWR/W-P/N/GU	P.098	<b>SUS-SK</b> SUS-SK-100NR/N/NB/GU SUS-SK-125GU	P.115		
<b>K2</b> WK2-125-P/NP/GU/NWR NRFK2-130 WK2-150-P/GU/GU(P112×53)/W/W(P112×53)/NR/NWR/ NWR(P112×53)/N/N(P112×53)/MCB/MB(P112×53) NRFK2-150/NR-G	P.099–P.100	<b>SK/D</b> SK/D-100W-P/W/NR/N/NB/UW/GU	P.116		
<b>K2/D</b> WK2/D-130/NR/N/MB/GU WK2/D-150/NR/N/MB/GU	P.100				
<b>SUS-K2</b> SUS-NRK2-130/N/GU SUS-NRK2-150/N/GU	P.101				
<b>SJ</b> SJ-100W-P/W/NR/WE/N/NB/UW/GU/BRU,BC/PH SJ-125W-P/W/WE/GU/BRU,BC	P.102–P.103				

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

## MIDDLESTAR (For Medium Duty) / J-type

J2

φ 130 150

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

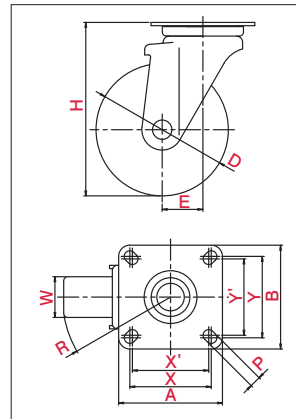


WJ2-150



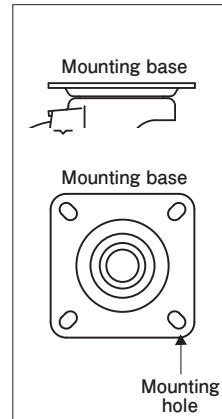
NR N MCB GU

## External dimensions

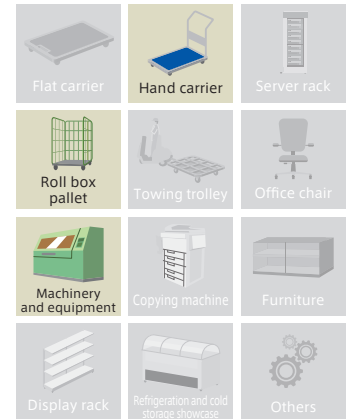







\*The Picture is a typical product image.

## Mounting Method (Plate Type)



## Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
WJ2-130	 Wheel:Steel Plain Tread:Rubber(including B)	130	40	170	102×102	80×80(75×75)	11	40	105	160(163.2)
WJ2-150		150		190					115	180(183.6)
NRJ2-130	 Wheel:Nylon Tread:Rubber(including B)	130	40	170	102×102	80×80(75×75)	11	40	105	160(163.2)
NRJ2-150		150		190					115	180(183.6)
NJ2-130	 Wheel:Nylon Tread:Nylon(including B)	130	40	170	102×102	80×80(75×75)	11	40	105	150(153.0)
NJ2-150		150		190					115	160(163.2)
MCBJ2-130	 Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon(including B)	130	40	170	102×102	80×80(75×75)	11	40	106	150(153.0)
MCBJ2-150		150		190					116	160(163.2)
GUJ2-130	 Wheel:Nylon Tread:Urethane(including B)	130	40	170	102×102	80×80(75×75)	11	40	105	160(163.2)
GUJ2-150		150		190					115	180(183.6)

# SUS-J2

φ 130 150

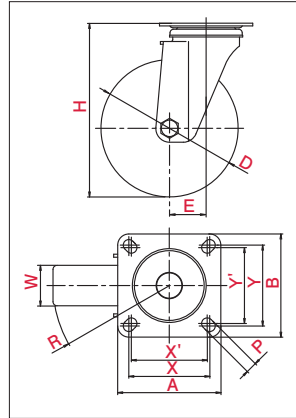
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



SUS-GUJ2-150

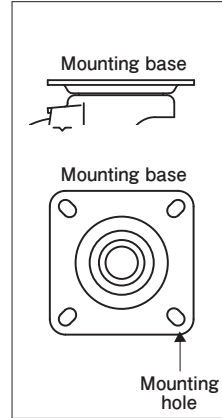


•External dimensions

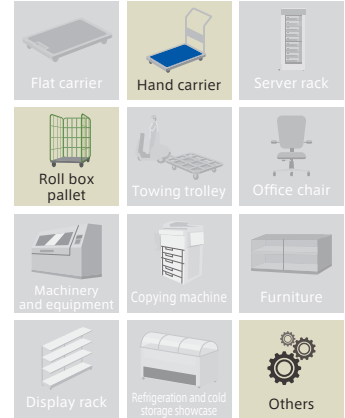


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-NRJ2-130		130	40	170	102×102	80×80(75×75)	11	40	105	160(163.2)
SUS-NRJ2-150		150		190					115	180(183.6)
SUS-NJ2-130		130	40	170	102×102	80×80(75×75)	11	40	105	150(153.0)
SUS-NJ2-150		150		190					115	160(163.2)
SUS-GUJ2-130		130	40	170	102×102	80×80(75×75)	11	40	105	160(163.2)
SUS-GUJ2-150		150		190					115	180(183.6)

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

## MIDDLE STAR (For Medium Duty, Silence) / J-type

J2F

φ 130 150

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

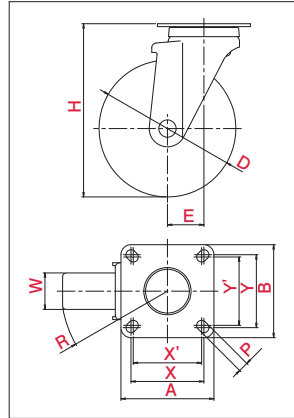


NRJ2F-150-G



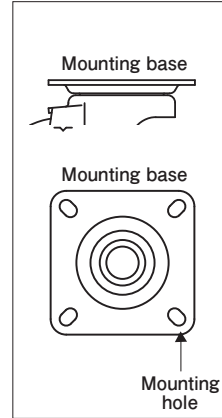
NRJ2F-150

## •External dimensions

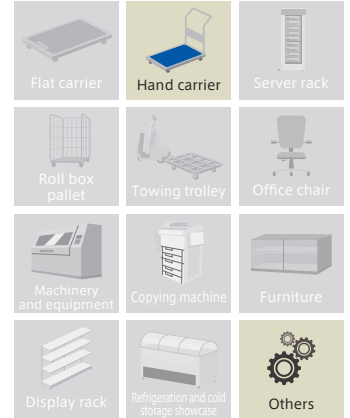


\*The Picture is a typical product image.

## •Mounting Method(Plate Type)



## •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
NRJ2F-130	Wheel:Nylon Tread:Rubber(including B)	130	40	170	102×102	80×80(75×75)	11	40	105	160(163.2)
NRJ2F-150		150		190					115	180(183.6)
NRJ2F-150-G	Wheel:Nylon Tread:Rubber(including B(gray))	150	40	190	102×102	80×80(75×75)	11	40	115	180(183.6)

## MIDDLE STAR (For Medium Duty) / J-type

J2-S

φ 130 150

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

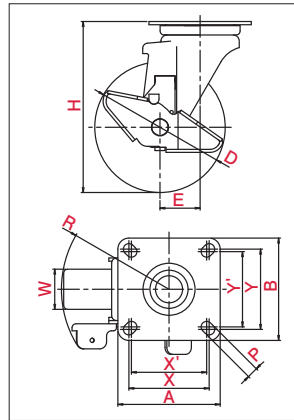


WJ2-150S



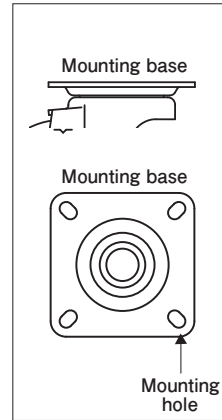
NR N MCB GU

## •External dimensions

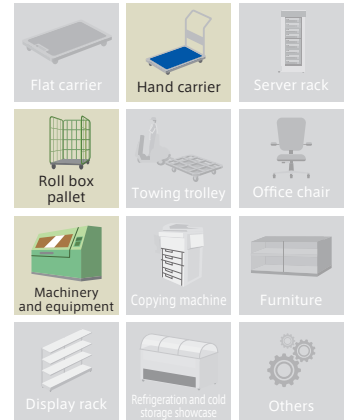


\*The Picture is a typical product image.

## •Mounting Method(Plate Type)



## •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
WJ2-130S	Wheel:Steel Plain Tread:Rubber(including B)	130	40	170	102×102	80×80(75×75)	11	40	108	160(163.2)
WJ2-150S		150		190					115	180(183.6)

# MIDDLE STAR (For Medium Duty) / J-type J2-S

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
NRJ2-130S		130	40	170	102×102	80×80(75×75)	11	40	108	160(163.2)
NRJ2-150S		150		190					115	180(183.6)
	Wheel:Nylon Tread:Rubber(including B)									
NJ2-130S		130	40	170	102×102	80×80(75×75)	11	40	108	150(153.0)
NJ2-150S		150		190					115	160(163.2)
	Wheel:Nylon Tread:Nylon(including B)									
MCBJ2-130S		130	40	170	102×102	80×80(75×75)	11	40	108	150(153.0)
MCBJ2-150S		150		190					116	160(163.2)
	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon(including B)									
GUJ2-130S		130	40	170	102×102	80×80(75×75)	11	40	108	160(163.2)
GUJ2-150S		150		190					115	180(183.6)
	Wheel:Nylon Tread:Urethane(including B)									

# MIDDLE STAR (For Medium Duty, Stainless Steel) / J-type

# SUS-J2-S

φ 130 150

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single stopper	Double stopper

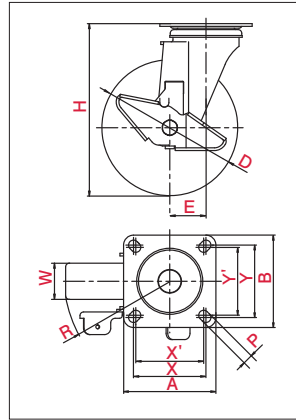


SUS-GUJ2-150S



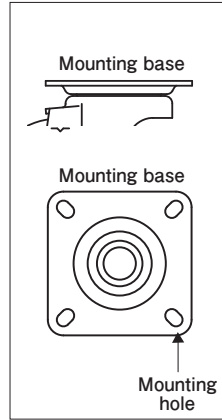
NR N

### •External dimensions

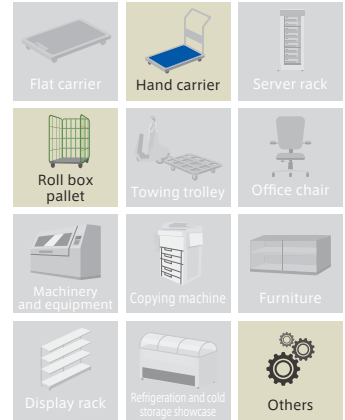


\*The Picture is a typical product image.

### •Mounting Method(Plate Type)



### •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-NRJ2-130S		130	40	170	102×102	80×80(75×75)	11	40	108	160(163.2)
SUS-NRJ2-150S		150		190					115	180(183.6)
	Wheel:Nylon Tread:Rubber(including B)									
SUS-NJ2-130S		130	40	170	102×102	80×80(75×75)	11	40	108	150(153.0)
SUS-NJ2-150S		150		190					115	160(163.2)
	Wheel:Nylon Tread:Nylon(including B)									
SUS-GUJ2-130S		130	40	170	102×102	80×80(75×75)	11	40	108	160(163.2)
SUS-GUJ2-150S		150		190					115	180(183.6)
	Wheel:Nylon Tread:Urethane(including B)									

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# MIDDLE STAR (For Medium Duty, Silence) / J-type

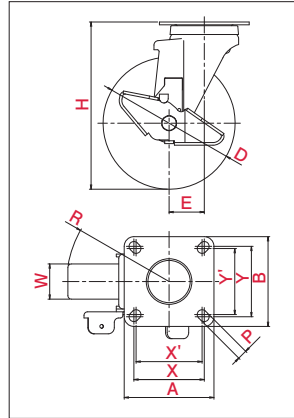
# J2F-S

φ 130 150

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

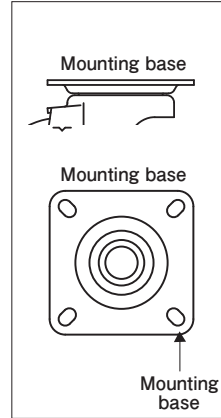


### External dimensions

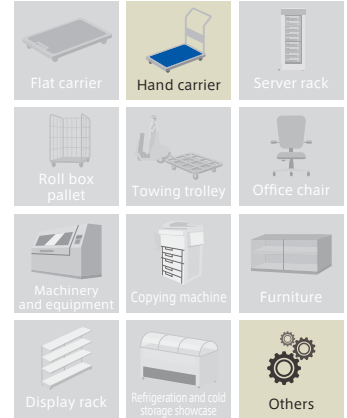




\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
NRJ2F-130S	 Wheel: Nylon Tread: Rubber (including B)	130	40	170	102×102	80×80 (75×75)	11	40	108	160 (163.2)
NRJ2F-150S		150		190					115	
NRJ2F-150S-G	 Wheel: Nylon Tread: Rubber (including B) (gray)	150	40	190	102×102	80×80 (75×75)	11	40	115	180 (183.6)

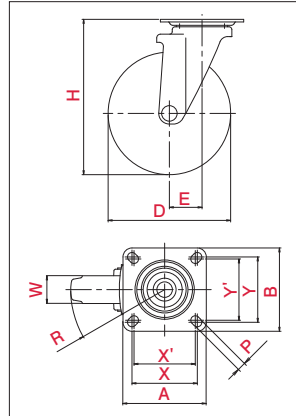
# RJ2

φ 100 125 150

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

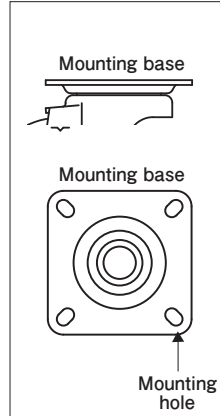


•External dimensions

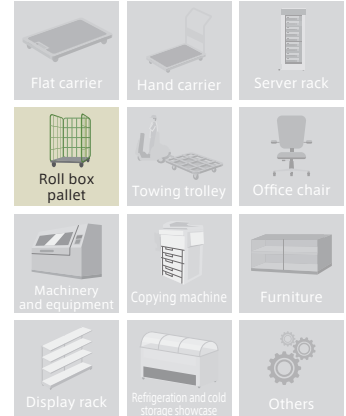


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
RJ2-100W-P	Wheel:Steel Plain Tread:Rubber	100	32	132	90×90	71×71 (68×68)	11	34	85	120(122.4)
RJ2-125W-P		125	38	168	102×102	80×80(75×75)		38	101	150(153.0)
RJ2-150W-P		150	40	190				40	115	160(163.2)
RJ2-100N	Wheel:Nylon Tread:Nylon	100	32	132	90×90	71×71 (68×68)	11	34	85	120(122.4)
RJ2-125NP		125	40	168	102×102	80×80(75×75)		38	101	150(153.0)
RJ2-100GU	Wheel:Nylon Tread:Urethane(including B)	100	32	132	90×90	71×71 (68×68)	11	34	85	100(102.0)
RJ2-125GU		125	40	168	102×102	80×80(75×75)		38	101	150(153.0)
RJ2-150GU		150		190				40	115	160(163.2)
RJ2-125NWR	Wheel:Nylon Tread:Rubber(including B)	125	34	168	102×102	80×80(75×75)	11	38	101	150(153.0)
RJ2-150NWR		150		190				40	115	160(163.2)
RJ2-150N	Wheel:Nylon Tread:Nylon(including B)	150	40	190	102×102	80×80(75×75)	11	40	115	160(163.2)
RJ2-100NRP	Wheel:Nylon Tread:Rubber	100	30	132	90×90	71×71 (68×68)	11	34	85	120(122.4)
RJ2-100W-P-G	Wheel:Steel Plain Tread:Rubber(gray)	100	32	132	90×90	71×71 (68×68)	11	34	85	120(122.4)
RJ2-125W-G	Wheel:Steel Plain Tread:Rubber(including B(gray))	125	38	168	102×102	80×80(75×75)	11	38	101	150(153.0)
RJ2-150W-G		150	40	190				40	115	160(163.2)
RJ2-125NWR-G	Wheel:Nylon Tread:Rubber(including B(gray))	125	34	168	102×102	80×80(75×75)	11	38	101	150(153.0)
RJ2-150NWR-G		150		190				40	115	160(163.2)

E-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

MIDDLESTAR (For Medium Duty) / J-type

RJ2-S

φ 100 125 150

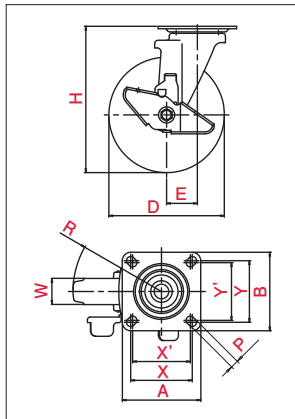
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



RJ2-150NWS-G

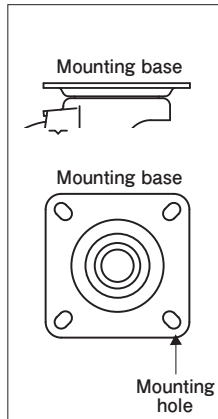
RJ2-150NWS

## External dimensions

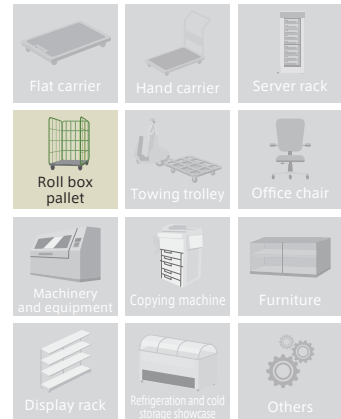


\*The Picture is a typical product image.

## Mounting Method (Plate Type)



## Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
RJ2-100WS-P	Wheel:Steel Plain Tread:Rubber	100	32	132	90×90	71×71 (68×68)	11	34	88	120(122.4)
RJ2-125WS-P		125	38	168	102×102	80×80 (75×75)		38	104	150(153.0)
RJ2-150WS-P		150	40	190				40	115	160(163.2)
RJ2-100NS	Wheel:Nylon Tread:Nylon	100	32	132	90×90	71×71 (68×68)	11	34	88	120(122.4)
RJ2-125NPS		125	40	168	102×102	80×80 (75×75)		38	104	150(153.0)
RJ2-100GUS	Wheel:Nylon Tread:Urethane(including B)	100	32	132	90×90	71×71 (68×68)	11	34	88	100(102.0)
RJ2-125GUS		125	40	168	102×102	80×80 (75×75)		38	104	150(153.0)
RJ2-150GUS		150		190				40	115	160(163.2)
RJ2-125NWS	Wheel:Nylon Tread:Rubber(including B)	125	34	168	102×102	80×80 (75×75)	11	38	104	150(153.0)
RJ2-150NWS		150		190				40	115	160(163.2)
RJ2-150NS	Wheel:Nylon Tread:Nylon(including B)	150	40	190	102×102	80×80 (75×75)	11	40	115	160(163.2)
RJ2-100NRPS	Wheel:Nylon Tread:Rubber	100	30	132	90×90	71×71 (68×68)	11	34	88	120(122.4)
RJ2-100WS-P-G	Wheel:Steel Plain Tread:Rubber(including B)(gray)	100	32	132	90×90	71×71 (68×68)	11	34	88	120(122.4)
RJ2-125WS-G	Wheel:Steel Plain Tread:Rubber(including B)(gray)	125	38	168	102×102	80×80 (75×75)	11	38	104	150(153.0)
RJ2-150WS-G		150	40	190				40	115	160(163.2)
RJ2-125NWS-G	Wheel:Nylon Tread:Rubber(including B)(gray)	125	34	168	102×102	80×80 (75×75)	11	38	104	150(153.0)
RJ2-150NWS-G		150		190				40	115	160(163.2)



# J2K

φ 130 150

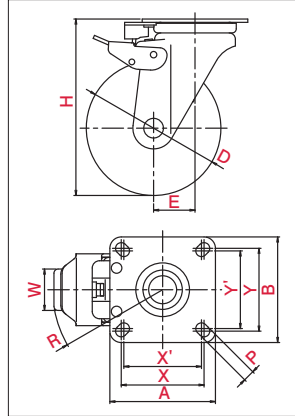
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Spirally Fixing Type	Double stopper	



WJ2K-150

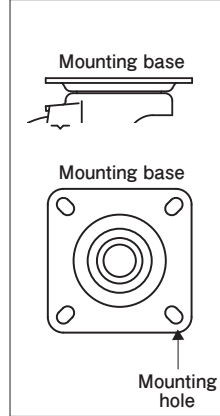


•External dimensions

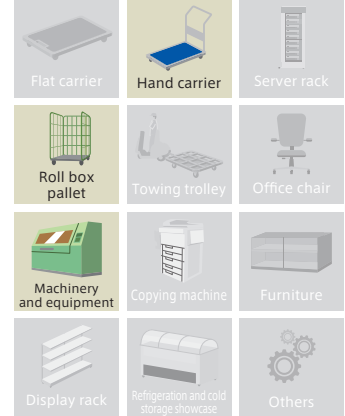


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
WJ2K-130		130	40	170	102×102	80×80(75×75)	11	40	105	160(163.2)
WJ2K-150		150		190					115	180(183.6)
	Wheel:Steel Plain Tread:Rubber(including B)									
NRJ2K-130		130	40	170	102×102	80×80(75×75)	11	40	105	160(163.2)
NRJ2K-150		150		190					115	180(183.6)
	Wheel:Nylon Tread:Rubber(including B)									
NJ2K-130		130	40	170	102×102	80×80(75×75)	11	40	105	150(153.0)
NJ2K-150		150		190					115	160(163.2)
	Wheel:Nylon Tread:Nylon(including B)									
MCBJ2K-130		130	40	170	102×102	80×80(75×75)	11	40	106	150(153.0)
MCBJ2K-150		150		190					116	160(163.2)
	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon(including B)									
GUJ2K-130		130	40	170	102×102	80×80(75×75)	11	40	105	160(163.2)
GUJ2K-150		150		190					115	180(183.6)
	Wheel:Nylon Tread:Urethane(including B)									

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# MIDDLESTAR (For Medium Duty) / J-type

# J2K-S

φ 130 150

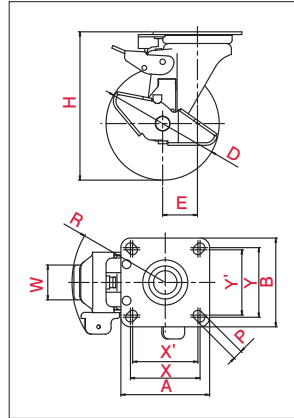
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Spirally Fixing Type	



WJ2K-150S

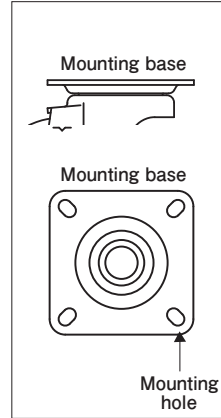


### External dimensions

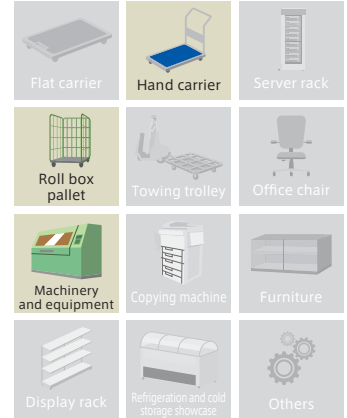


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y'))[mm]	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
WJ2K-130S		130	40	170	102×102	80×80 (75×75)	11	40	108	160 (163.2)
WJ2K-150S		150		190					115	180 (183.6)
	Wheel: Steel Plain Tread: Rubber (including B)									
NRJ2K-130S		130	40	170	102×102	80×80 (75×75)	11	40	108	160 (163.2)
NRJ2K-150S		150		190					115	180 (183.6)
	Wheel: Nylon Tread: Rubber (including B)									
NJ2K-130S		130	40	170	102×102	80×80 (75×75)	11	40	108	150 (153.0)
NJ2K-150S		150		190					115	160 (163.2)
	Wheel: Nylon Tread: Nylon (including B)									
MCBJ2K-130S		130	40	170	102×102	80×80 (75×75)	11	40	108	150 (153.0)
MCBJ2K-150S		150		190					116	160 (163.2)
	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)									
GUJ2K-130S		130	40	170	102×102	80×80 (75×75)	11	40	108	160 (163.2)
GUJ2K-150S		150		190					115	180 (183.6)
	Wheel: Nylon Tread: Urethane (including B)									

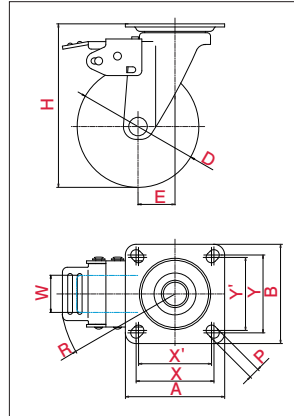
# RJ2K

φ 100 125

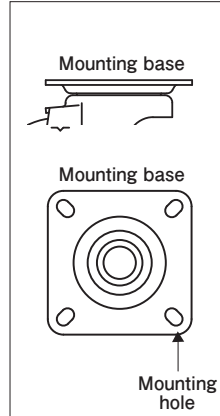
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Spirally Fixing Type	Double stopper	



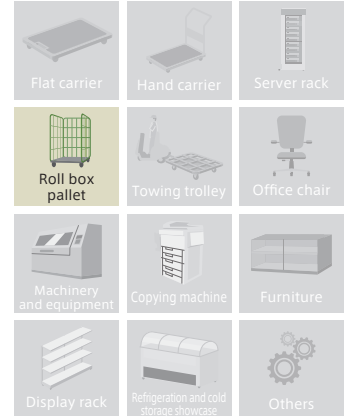
•External dimensions



•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
RJ2K-125NWR	Wheel:Nylon Tread:Rubber(Including B)	125	34	168	102×102	80×80(75×75)	11	38	118	150(153.0)
RJ2K-125W-P	Wheel:Steel Plain Tread:Rubber	125	38	168	102×102	80×80(75×75)	11	38	118	150(153.0)
RJ2K-125NP	Wheel:Nylon Tread:Nylon	125	40	168	102×102	80×80(75×75)	11	38	118	150(153.0)
RJ2K-125GU	Wheel:Nylon Tread:Urethane(Including B)	125	40	168	102×102	80×80(75×75)	11	38	118	150(153.0)

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

MIDDLESTAR (For Medium Duty) / J-type

# KRJ2K

φ 150

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Spirally Fixing Type	Double stopper	



KRJ2K-150NWR

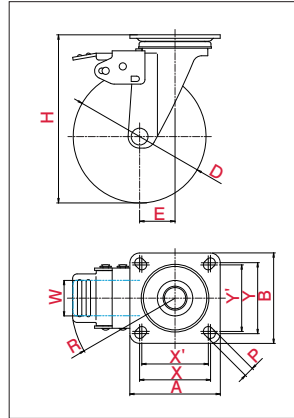


W-P

N

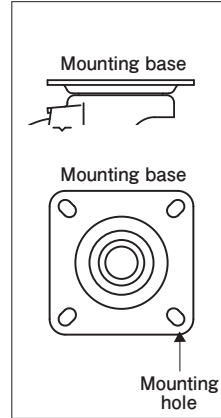
GU

External dimensions

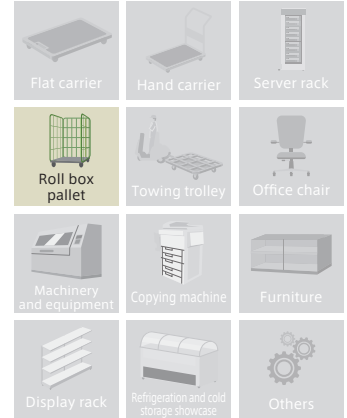






\*The Picture is a typical product image.

Mounting Method (Plate Type)



Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
KRJ2K-150NWR	 Wheel:Nylon Tread:Rubber(including B)	150	34	190	102×102	80×80(75×75)	11	40	118	160(163.2)
KRJ2K-150W-P	 Wheel:Steel Plain Tread:Rubber	150	40	190	102×102	80×80(75×75)	11	40	118	160(163.2)
KRJ2K-150N	 Wheel:Nylon Tread:Nylon(including B)	150	40	190	102×102	80×80(75×75)	11	40	118	160(163.2)
KRJ2K-150GU	 Wheel:Nylon Tread:Urethane(including B)	150	40	190	102×102	80×80(75×75)	11	40	118	160(163.2)

# MIDDLE STAR (For Medium Duty) / J-type

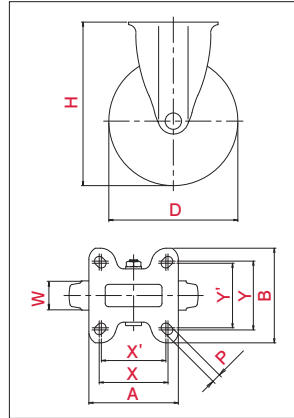
# K2

φ 125 130 150

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

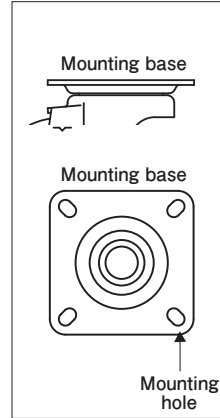


### External dimensions

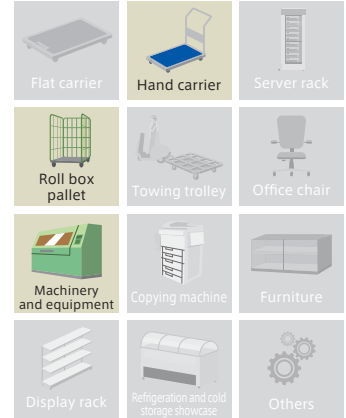


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
WK2-125-P	Wheel: Steel Plain Tread: Rubber	125	38	168	137×93	112×53(100×56)	11			150(153.0)
WK2-150-P		150	40	190	104×110	80×80(75×75)				180(183.6)
WK2-150-P (P112×53)					137×93	112×53(100×56)				
NPK2-125	Wheel: Nylon Tread: Nylon	125	40	168	137×93	112×53(100×56)	11			150(153.0)
GUK2-125	Wheel: Nylon Tread: Urethane(including B)	125	40	168	137×93	112×53(100×56)	11			150(153.0)
GUK2-150		150		190	104×110	80×80(75×75)				180(183.6)
GUK2-150 (P112×53)					137×93	112×53(100×56)				
WK2-150	Wheel: Steel Plain Tread: Rubber(including B)	150	40	190	104×110	80×80(75×75)	11			180(183.6)
WK2-150 (P112×53)					137×93	112×53(100×56)				
NRK2-150	Wheel: Nylon Tread: Rubber(including B)	150	40	190	104×110	80×80(75×75)	11			180(183.6)
NWRK2-125	Wheel: Nylon Tread: Rubber(including B)	125	34	168	137×93	112×53(100×56)	11			150(153.0)
NWRK2-150		150		190	104×110	80×80(75×75)				160(163.2)
NWRK2-150 (P112×53)					137×93	112×53(100×56)				180(183.6)
NRFK2-130	Wheel: Nylon Tread: Rubber(including B)	130	40	170	102×102	80×80(75×75)	11			160(163.2)
NRFK2-150		150		190	104×110					180(183.6)
NK2-150	Wheel: Nylon Tread: Nylon(including B)	150	40	190	104×110	80×80(75×75)	11			160(163.2)
NK2-150 (P112×53)					137×93	112×53(100×56)				

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type



NP-type

SKY-type

SILENT-type

OTHER

# MIDDLESTAR (For Medium Duty) / J-type K2

Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y(X'×Y'))(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
MCBK2-150	 Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)	150	40	190	104×110	80×80 (75×75)	11			160 (163.2)
MCBK2-150 (P112×53)					137×93	112×53 (100×56)				
NRFK2-150-G	 Wheel: Nylon Tread: Rubber (including B) (gray)	150	40	190	104×110	80×80 (75×75)	11			180 (183.6)

# MIDDLESTAR (For Medium Duty) / J-type

## K2/D

φ 130 150

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

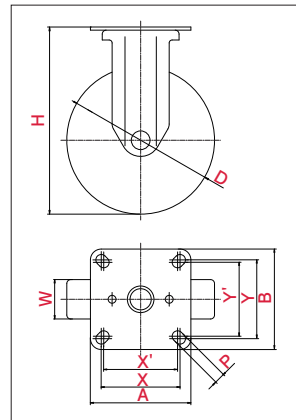


WK2/D-150



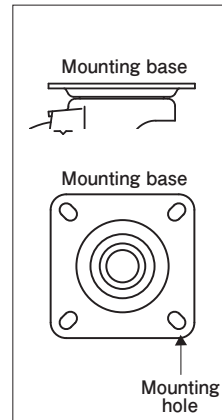
NR N MCB GU

### External dimensions

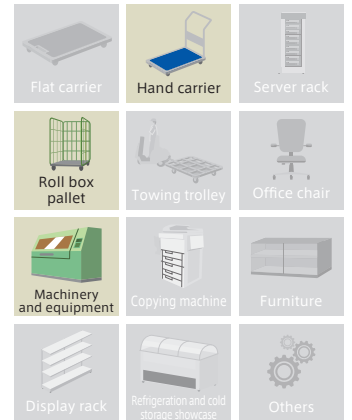


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y(X'×Y'))(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
WK2/D-130	 Wheel: Steel Plain Tread: Rubber (including B)	130	40	170	102×102	80×80 (75×75)	11			160 (163.2)
WK2/D-150		150		190						
NRK2/D-130	 Wheel: Nylon Tread: Rubber (including B)	130	40	170	102×102	80×80 (75×75)	11			160 (163.2)
NRK2/D-150		150		190						
NK2/D-130	 Wheel: Nylon Tread: Nylon (including B)	130	40	170	102×102	80×80 (75×75)	11			150 (153.0)
NK2/D-150		150		190						
MCBK2/D-130	 Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)	130	40	170	102×102	80×80 (75×75)	11			150 (153.0)
MCBK2/D-150		150		190						
GUK2/D-130	 Wheel: Nylon Tread: Urethane (including B)	130	40	170	102×102	80×80 (75×75)	11			160 (163.2)
GUK2/D-150		150		190						

# SUS-K2

φ 130 150

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

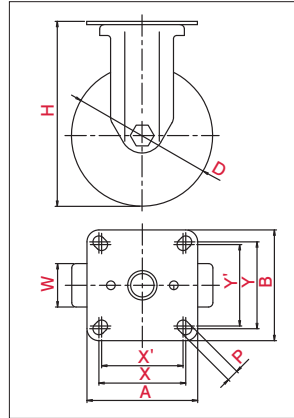


SUS-NRK2-150



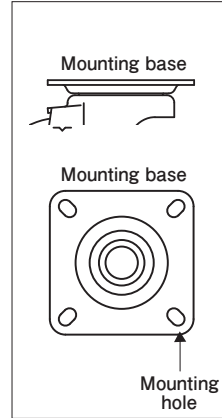
NR GU

•External dimensions

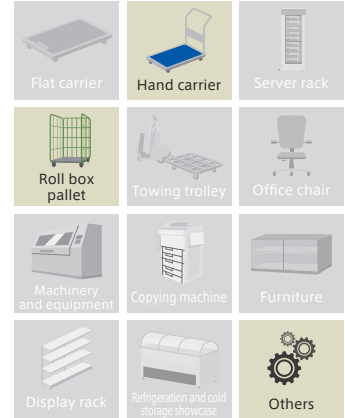


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-NRK2-130		130	40	170	102×102	80×80(75×75)	11			160(163.2)
SUS-NRK2-150		150		190						180(183.6)
Wheel:Nylon Tread:Rubber(including B)										
SUS-NK2-130		130	40	170	102×102	80×80(75×75)	11			150(153.0)
SUS-NK2-150		150		190						160(163.2)
Wheel:Nylon Tread:Nylon(including B)										
SUS-GUK2-130		130	40	170	102×102	80×80(75×75)	11			160(163.2)
SUS-GUK2-150		150		190						180(183.6)
Wheel:Nylon Tread:Urethane(including B)										

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKV-type

SILENT-type

OTHER

## MIDDLESTAR (For Medium Duty) / J-type

SJ

φ 100 125

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



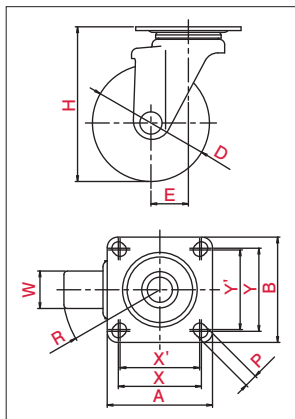
SJ-100W



N

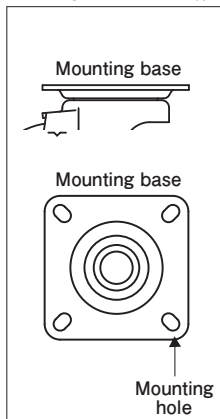
GU

## External dimensions

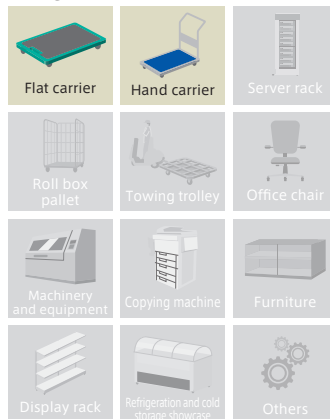


\*The Picture is a typical product image.

## Mounting Method (Plate Type)





## Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
SJ-100W-P		100	32	132	90×90	71×71 (68×68)	11	32	82	120(122.4)
SJ-125W-P		125		168	102×102	80×80 (75×75)			95	
SJ-100W		100	32	132	90×90	71×71 (68×68)	11	32	82	120(122.4)
SJ-125W		125		168	102×102	80×80 (75×75)			95	
SJ-100NR		100	32	132	90×90	71×71 (68×68)	11	32	82	100(102.0)
SJ-100WE		100	32	132	90×90	71×71 (68×68)	11	32	82	120(122.4)
SJ-125WE		125		168	102×102	80×80 (75×75)			95	
SJ-100N		100	32	132	90×90	71×71 (68×68)	11	32	83	120(122.4)
SJ-100NB		100	32	132	90×90	71×71 (68×68)	11	32	83	120(122.4)
SJ-100UW		100	32	132	90×90	71×71 (68×68)	11	32	82	120(122.4)
SJ-100GU		100	32	132	90×90	71×71 (68×68)	11	32	82	100(102.0)
SJ-125GU		125		168	102×102	80×80 (75×75)			95	120(122.4)



# MIDDLESTAR (For Medium Duty) / J-type SJ

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SJ-100BRU,BC	 Wheel:Nylon Tread:Urethane(including B)	100	32	132	90×90	71×71 (68×68)	11	32	82	100(102.0)
SJ-125BRU,BC		125							95	120(122.4)
SJ-100PH	 Wheel:Phenol Tread:Phenol	100	32	132	90×90	71×71 (68×68)	11	32	83	100(102.0)

# MIDDLESTAR (For Medium Duty, Stainless Steel) / J-type

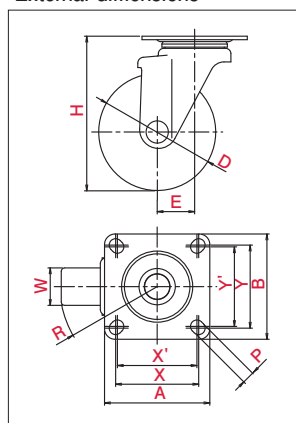
# SUS-SJ

φ 100 125

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single stopper	Double stopper

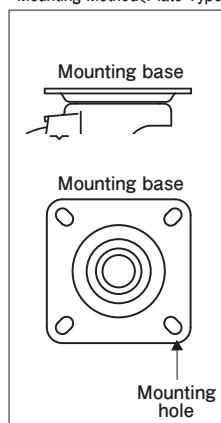


•External dimensions

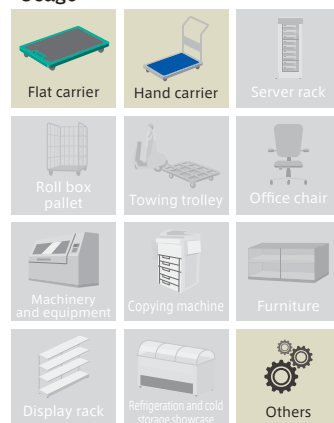






\*The Picture is a typical product image.

•Mounting Method (Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-SJ-100NR	 Wheel:Nylon Tread:Rubber(including B)	100	32	132	90×90	71×71 (68×68)	11	32	82	100(102.0)
SUS-SJ-100N	 Wheel:Nylon Tread:Nylon	100	32	132	90×90	71×71 (68×68)	11	32	83	100(102.0)
SUS-SJ-100NB	 Wheel:Nylon Tread:Nylon(including B)	100	32	132	90×90	71×71 (68×68)	11	32	83	100(102.0)
SUS-SJ-100GU	 Wheel:Nylon Tread:Urethane(including B)	100	32	132	90×90	71×71 (68×68)	11	32	82	100(102.0)
SUS-SJ-125GU		125							95	120(122.4)

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

## MIDDLESTAR (For Medium Duty, Silence) / J-type

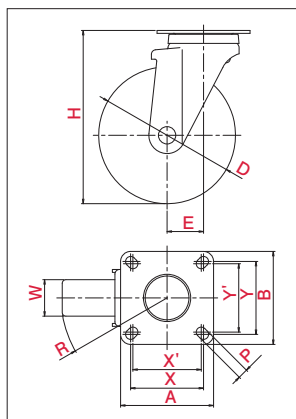
SJF

φ 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

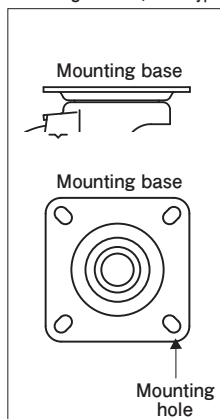


## •External dimensions

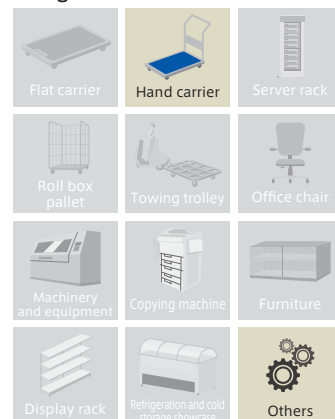




\*The Picture is a typical product image.

## •Mounting Method(Plate Type)



## •Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y'))[mm]	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
SJF-100NR-G	 Wheel:Nylon Tread:Rubber(including B)(gray)	100	32	132	90×90	71×71 (68×68)	11	32	82	100(102.0)
SJF-100NR	 Wheel:Nylon Tread:Rubber(including B)	100	32	132	90×90	71×71 (68×68)	11	32	82	100(102.0)

# SJ-S

φ 100 125

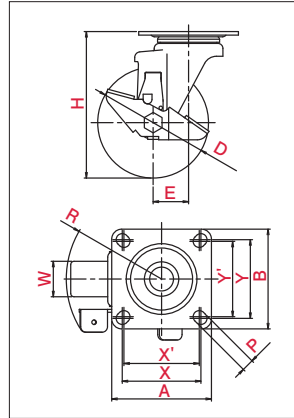
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



SJ-100WS

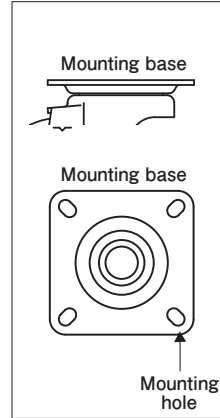


•External dimensions

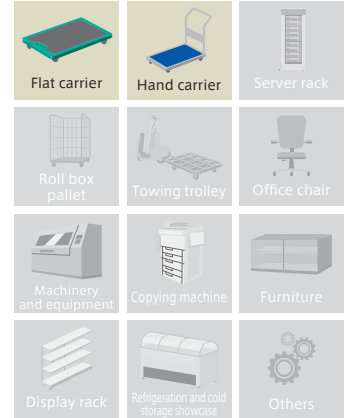


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SJ-100WS-P		100	32	132	90×90	71×71 (68×68)	11	32	86	120(122.4)
SJ-125WS-P		125		168	102×102	80×80(75×75)			97	
SJ-100WS		100	32	132	90×90	71×71 (68×68)	11	32	86	120(122.4)
SJ-125WS		125		168	102×102	80×80(75×75)			97	
SJ-100NRS		100	32	132	90×90	71×71 (68×68)	11	32	86	100(102.0)
SJ-100WES		100	32	132	90×90	71×71 (68×68)	11	32	86	120(122.4)
SJ-125WES		125		168	102×102	80×80(75×75)			97	
SJ-100NS		100	32	132	90×90	71×71 (68×68)	11	32	86	120(122.4)
SJ-100NBS		100	32	132	90×90	71×71 (68×68)	11	32	86	120(122.4)
SJ-100UWS		100	32	132	90×90	71×71 (68×68)	11	32	86	120(122.4)
SJ-100GUS		100	32	132	90×90	71×71 (68×68)	11	32	86	100(102.0)
SJ-125GUS		125		168	102×102	80×80(75×75)			97	120(122.4)

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type



NP-type

SKY-type

SILENT-type

OTHER

# MIDDLE STAR (For Medium Duty) / J-type SJ-S

Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y(X'×Y'))(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
SJ-100BRUS,BC	 Wheel:Nylon Tread:Urethane(including B)	100	32	132	90×90	71×71 (68×68)	11	32	86	100(102.0)
SJ-125BRUS,BC		125		168	102×102	80×80 (75×75)			97	120(122.4)
SJ-100PHS	 Wheel:Phenol Tread:Phenol	100	32	132	90×90	71×71 (68×68)	11	32	86	100(102.0)

# MIDDLE STAR (For Medium Duty, Stainless Steel) / J-type

# SUS-SJ-S

φ 100 125

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

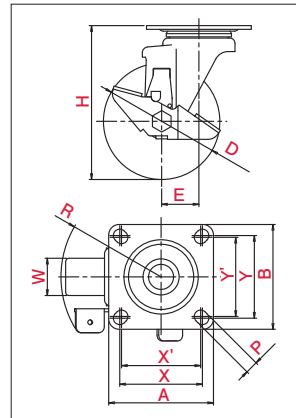


SUS-SJ-100NBS



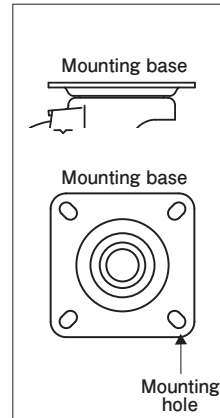
NR N GU

### •External dimensions

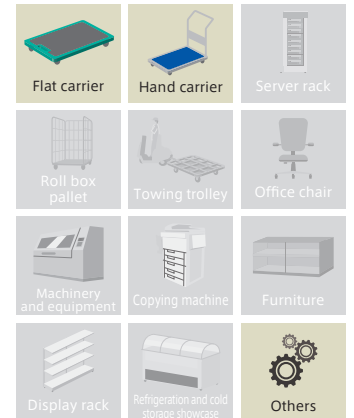






\*The Picture is a typical product image.

### •Mounting Method(Plate Type)



### •Usage



Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y(X'×Y'))(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
SUS-SJ-100NRS	 Wheel:Nylon Tread:Rubber(including B)	100	32	132	90×90	71×71 (68×68)	11	32	86	100(102.0)
SUS-SJ-100NS	 Wheel:Nylon Tread:Nylon	100	32	132	90×90	71×71 (68×68)	11	32	86	100(102.0)
SUS-SJ-100NBS	 Wheel:Nylon Tread:Nylon(including B)	100	32	132	90×90	71×71 (68×68)	11	32	86	100(102.0)
SUS-SJ-100GUS	 Wheel:Nylon Tread:Urethane(including B)	100	32	132	90×90	71×71 (68×68)	11	32	86	100(102.0)
SUS-SJ-125GUS		125		168	102×102	80×80 (75×75)			97	120(122.4)

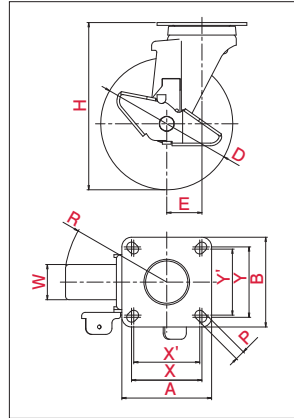
# SJF-S

φ 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

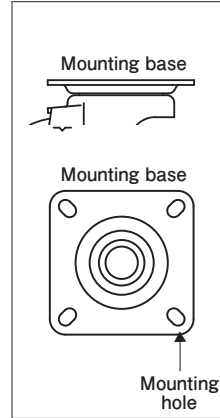


•External dimensions

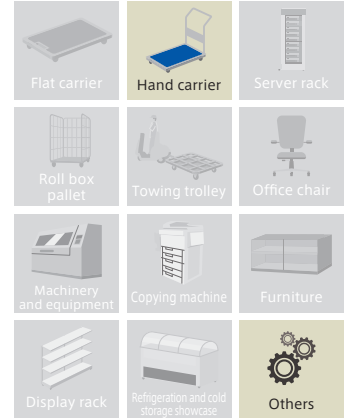


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SJF-100NRS-G	 Wheel: Nylon Tread: Rubber (including Bl/gray)	100	32	132	90×90	71×71 (68×68)	11	32	86	100(102.0)
SJF-100NRS	 Wheel: Nylon Tread: Rubber (including Bl)	100	32	132	90×90	71×71 (68×68)	11	32	86	100(102.0)

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

## MIDDLESTAR (For Medium Duty) / J-type

SJT

φ 100 125

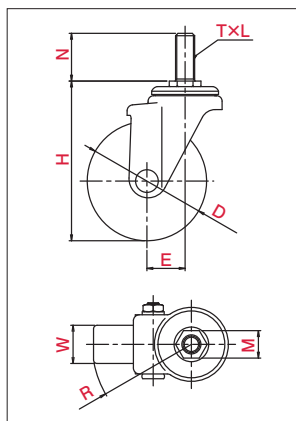
Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

SJT-100W,  
M20 x 40

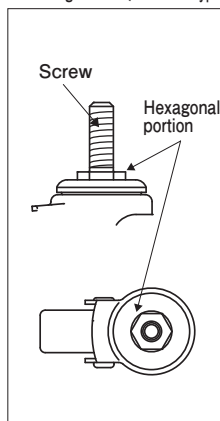
N

GU

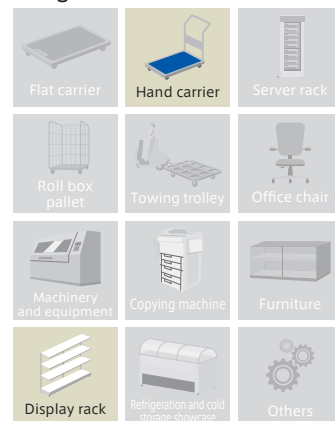
## •External dimensions



## •Mounting Method (Screw-in Type)





## •Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SJT-100W-P,M16 x 40	Wheel:Steel Plain Tread:Rubber	100	32	134	M16	2	40	23	32	82	120(122.4)
SJT-100W-P,M20 x 40				M20	2.5	30					
SJT-125W-P,M16 x 40		125	166	M16	2	23		95			
SJT-125W-P,M20 x 40		M20	2.5	30							
SJT-100W,M16 x 40	Wheel:Steel Plain Tread:Rubber(including B)	100	32	134	M16	2	40	23	32	82	120(122.4)
SJT-100W,M20 x 40				M20	2.5	30					
SJT-125W,M16 x 40		125	166	M16	2	23		95			
SJT-125W,M20 x 40		M20	2.5	30							
SJT-100NR,M16 x 40	Wheel:Nylon Tread:Rubber(including B)	100	32	134	M16	2	40	23	32	82	100(102.0)
SJT-100NR,M20 x 40				M20	2.5	30					
SJT-100WE,M16 x 40	Wheel:Steel Plain Tread:Conductive Rubber(including B)	100	32	134	M16	2	40	23	32	82	120(122.4)
SJT-100WE,M20 x 40				M20	2.5	30					
SJT-125WE,M16 x 40		125	166	M16	2	23		95			
SJT-125WE,M20 x 40		M20	2.5	30							
SJT-100N,M16 x 40	Wheel:Nylon Tread:Nylon	100	32	134	M16	2	40	23	32	83	120(122.4)
SJT-100N,M20 x 40				M20	2.5	30					
SJT-100NB,M16 x 40	Wheel:Nylon Tread:Nylon(including B)	100	32	134	M16	2	40	23	32	83	120(122.4)
SJT-100NB,M20 x 40				M20	2.5	30					
SJT-100UW,M16 x 40	Wheel:Steel Plain Tread:Urethane(including B)	100	32	134	M16	2	40	23	32	82	120(122.4)
SJT-100UW,M20 x 40				M20	2.5	30					
SJT-100GU,M16 x 40	Wheel:Nylon Tread:Urethane(including B)	100	32	134	M16	2	40	23	32	82	100(102.0)
SJT-100GU,M20 x 40				M20	2.5	30					
SJT-125GU,M16 x 40		125	166	M16	2	23		95			
SJT-125GU,M20 x 40		M20	2.5	30							

# MIDDLESTAR (For Medium Duty) / J-type SJT

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SJT-100BRU,M16×40		100	32	134	M16	2	40	23	32	82	100(102.0)
SJT-100BRU,M20×40					M20	2.5		30			
SJT-125BRU,M16×40		125		166	M16	2		23			
SJT-125BRU,M20×40					M20	2.5		30			
SJT-100PH,M16×40		100	32	134	M16	2	40	23	32	82	100(102.0)
SJT-100PH,M20×40					M20	2.5		30			

•We have specific spanner for caster wheel. Please purchase separately. 21×23mm wrench  
30mm flat wrench

# MIDDLESTAR (For Medium Duty, Stainless Steel) / J-type

# SUS-SJT

φ 100 125

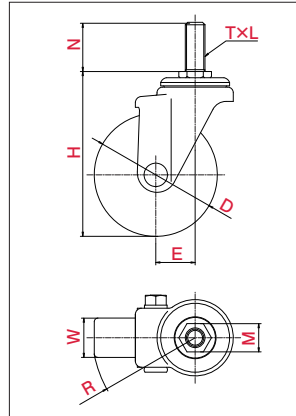
Swivel	Fixed
Plate Type	Screw-in Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single stopper	Double stopper



SUS-SJT-100N, M20×40

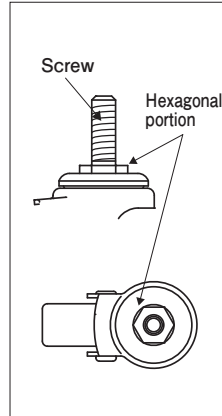


### •External dimensions

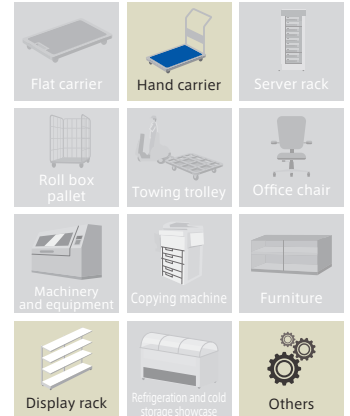





\*The Picture is a typical product image.

### •Mounting Method (Screw-in Type)



### •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-SJT-100GU,M16×40		100	32	134	M16	2	40	23	32	82	100(102.0)
SUS-SJT-100GU,M20×40					M20	2.5		30			
SUS-SJT-125GU,M16×40		125		166	M16	2		23			
SUS-SJT-125GU,M20×40					M20	2.5		30			
SUS-SJT-100BRU,BC,M16×40		100	32	134	M16	2	40	23	32	82	100(102.0)
SUS-SJT-100BRU,BC,M20×40					M20	2.5		30			
SUS-SJT-125BRU,BC,M16×40		125		166	M16	2		23			
SUS-SJT-125BRU,BC,M20×40					M20	2.5		30			
SUS-SJT-100N,M16×40		100	32	134	M16	2	40	23	32	83	120(122.4)
SUS-SJT-100N,M20×40					M20	2.5		30			

•We have specific spanner for caster wheel. Please purchase separately. 21×23mm wrench  
30mm flat wrench

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

MIDDLESTAR (For Medium Duty) / J-type

# SJT-S

φ 100 125

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper



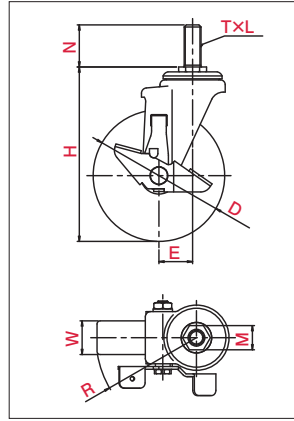
SJT-100WS, M20 x 40



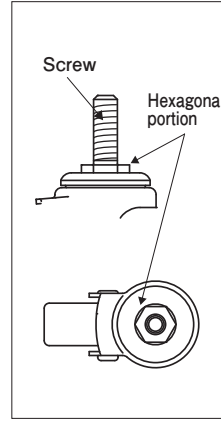
N

GU

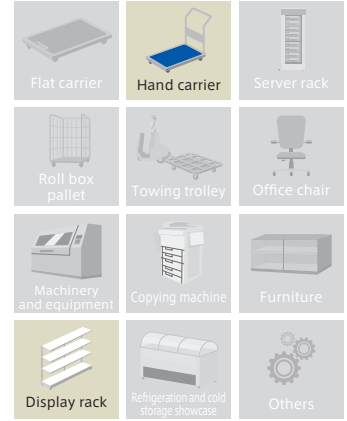
•External dimensions



•Mounting Method (Screw-in Type)



•Usage



\*The Picture is a typical product image.




Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SJT-100WS-P,M16 x 40	Wheel:Steel Plain Tread:Rubber	100	32	134	M16	2	40	23	32	86	120(122.4)
SJT-100WS-P,M20 x 40				M20	2.5	30					
SJT-125WS-P,M16 x 40		125		166	M16	2		23			
SJT-125WS-P,M20 x 40		M20		2.5	30						
SJT-100WS,M16 x 40	Wheel:Steel Plain Tread:Rubber(including B)	100	32	134	M16	2	40	23	32	86	120(122.4)
SJT-100WS,M20 x 40				M20	2.5	30					
SJT-125WS,M16 x 40		125		166	M16	2		23			
SJT-125WS,M20 x 40		M20		2.5	30						
SJT-100NRS,M16 x 40	Wheel:Nylon Tread:Rubber(including B)	100	32	134	M16	2	40	23	32	86	100(102.0)
SJT-100NRS,M20 x 40					M20	2.5		30			
SJT-100WES,M16 x 40	Wheel:Steel Plain Tread:Conductive Rubber(including B)	100	32	134	M16	2	40	23	32	86	120(122.4)
SJT-100WES,M20 x 40					M20	2.5		30			
SJT-125WES,M16 x 40		125		166	M16	2		23			
SJT-125WES,M20 x 40		M20		2.5	30						
SJT-100NS,M16 x 40	Wheel:Nylon Tread:Nylon	100	32	134	M16	2	40	23	32	86	120(122.4)
SJT-100NS,M20 x 40					M20	2.5		30			
SJT-100NBS,M16 x 40	Wheel:Nylon Tread:Nylon(including B)	100	32	134	M16	2	40	23	32	86	120(122.4)
SJT-100NBS,M20 x 40					M20	2.5		30			
SJT-100UWS,M16 x 40	Wheel:Steel Plain Tread:Urethane(including B)	100	32	134	M16	2	40	23	32	86	120(122.4)
SJT-100UWS,M20 x 40					M20	2.5		30			

•We have specific spanner for caster wheel.  
Please purchase separately.

21x23mm wrench  
30mm flat wrench



# MIDDLE STAR (For Medium Duty) / J-type SJT-S

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SJT-100GUS,M16×40		100	32	134	M16	2	40	23	32	86	100(102.0)
SJT-100GUS,M20×40					M20	2.5		30			
SJT-125GUS,M16×40		125		166	M16	2		23			
SJT-125GUS,M20×40					M20	2.5		30			
SJT-100BRUS,M16×40		100	32	134	M16	2	40	23	32	86	100(102.0)
SJT-100BRUS,M20×40					M20	2.5		30			
SJT-125BRUS,M16×40		125		166	M16	2		23			
SJT-125BRUS,M20×40					M20	2.5		30			
*SJT-100PHS,M16×40		100	32	134	M16	2	40	23	32	86	100(102.0)
*SJT-100PHS,M20×40					M20	2.5		30			
	Wheel:Phenol Tread:Phenol(including B)										

\* The release date of these products are 2018

# MIDDLE STAR (For Medium Duty, Stainless Steel) / J-type

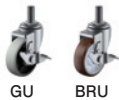
# SUS-SJT-S

φ 100 125

Swivel	Fixed
Plate Type	Screw-in Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single stopper	Double stopper

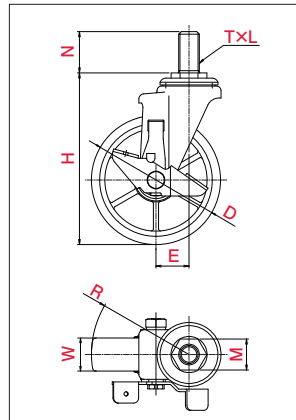


SUS-SJT-100NS, M20×40



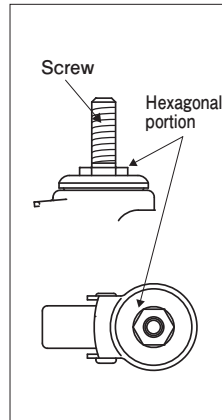
GU BRU

### External dimensions

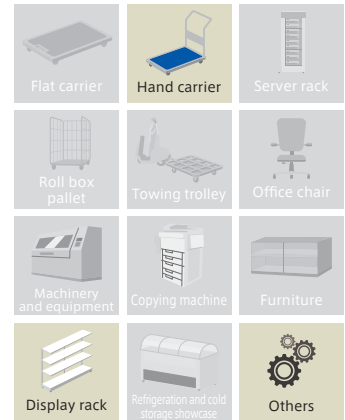





\*The Picture is a typical product image.

### Mounting Method (Screw-in Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-SJT-100GUS,M16×40		100	32	134	M16	2	40	23	32	86	100(102.0)
SUS-SJT-100GUS,M20×40					M20	2.5		30			
SUS-SJT-125GUS,M16×40		125		166	M16	2		23			
SUS-SJT-125GUS,M20×40					M20	2.5		30			
SUS-SJT-100BRUS,BC,M16×40		100	32	134	M16	2	40	23	32	86	100(102.0)
SUS-SJT-100BRUS,BC,M20×40					M20	2.5		30			
SUS-SJT-125BRUS,BC,M16×40		125		166	M16	2		23			
SUS-SJT-125BRUS,BC,M20×40					M20	2.5		30			
SUS-SJT-100NS,M16×40		100	32	134	M16	2	40	23	32	86	120(122.4)
SUS-SJT-100NS,M20×40					M20	2.5		30			
	Wheel:Nylon Tread:Nylon										

\*We have specific spanner for caster wheel. Please purchase separately.

21×23mm wrench  
30mm flat wrench

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKV-type

SILENT-type

OTHER

MIDDLE STAR (For Medium Duty) / J-type

## SJT-SW

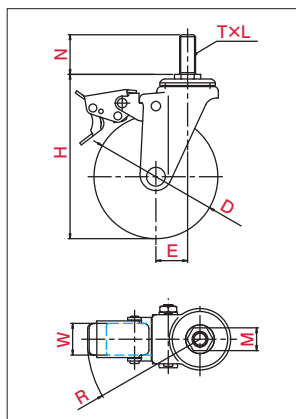
φ 125

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

SJT-125WSW,  
M20 x 40

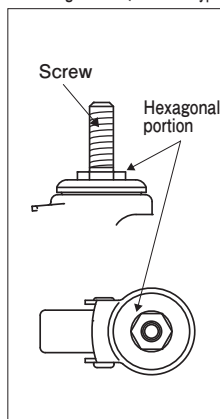
W-P GU BRU

## •External dimensions

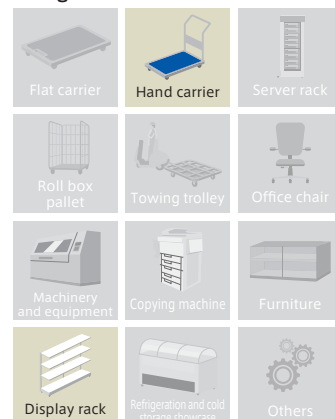


\*The Picture is a typical product image.

## •Mounting Method(Screw-in Type)



## •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SJT-125WSW-P,M16×40		125	32	166	M16	2	40	23	32	114	120(122.4)
SJT-125WSW-P,M20×40					M20	2.5		30			
SJT-125WSW,M16×40		125	32	166	M16	2	40	23	32	114	120(122.4)
SJT-125WSW,M20×40					M20	2.5		30			
SJT-125WESW,M16×40		125	32	166	M16	2	40	23	32	114	120(122.4)
SJT-125WESW,M20×40					M20	2.5		30			
SJT-125GUSW,M16×40		125	32	166	M16	2	40	23	32	114	120(122.4)
SJT-125GUSW,M20×40					M20	2.5		30			
SJT-125BRUSW,M16×40		125	32	166	M16	2	40	23	32	114	120(122.4)
SJT-125BRUSW,M20×40					M20	2.5		30			

•We have specific spanner for castor wheel.  
Please purchase separately.

21×23mm wrench  
30mm flat wrench

# MIDDLE STAR (For Medium Duty) / J-type

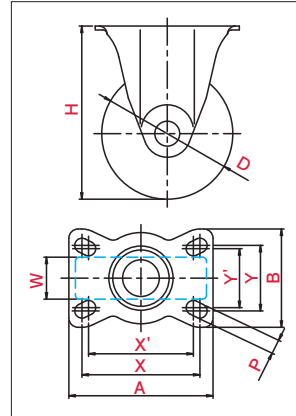
# SK

## φ 100 125

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

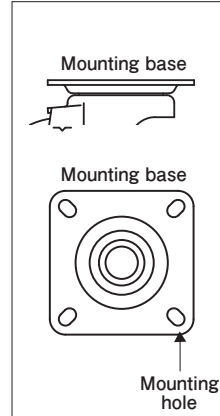


### External dimensions

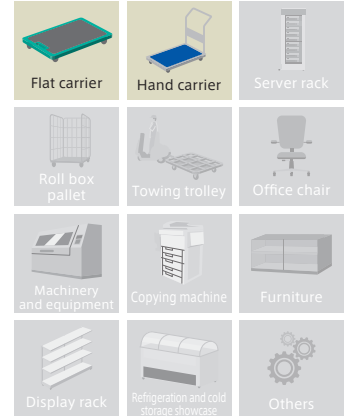


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SK-100W-P		100	32	132	110×80	90×50(80×45)	11			120(122.4)
SK-125W-P		125		168	104×110	80×80(75×75)				
SK-100W		100	32	132	110×80	90×50(80×45)	11			120(122.4)
SK-125W		125		168	104×110	80×80(75×75)				
SK-100NR		100	32	132	110×80	90×50(80×45)	11			100(102.0)
SK-100NRF										
SK-100WE		100	32	132	110×80	90×50(80×45)	11			120(122.4)
SK-125WE		125		168	104×110	80×80(75×75)				
SK-100N		100	32	132	110×80	90×50(80×45)	11			120(122.4)
SK-100NB		100	32	132	110×80	90×50(80×45)	11			120(122.4)
SK-100UW		100	32	132	110×80	90×50(80×45)	11			120(122.4)
SK-100GU		100	32	132	110×80	90×50(80×45)	11			100(102.0)
SK-125GU		125		168	104×110	80×80(75×75)				

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock





Shock Absorbing

Silence

Towing

Stainless Steel

# MIDDLESTAR (For Medium Duty) / J-type SK

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SK-100BRU,BC		100	32	132	110×80	90×50 (80×45)	11			100 (102.0)
SK-125BRU,BC		125		168	104×110	80×80 (75×75)		120 (122.4)		
		Wheel: Nylon Tread: Urethane (including B)								
SK-100PH		100	32	132	110×80	90×50 (80×45)	11			100 (102.0)
		Wheel: Phenol Tread: Phenol								
SK-100NRP		100	30	132	110×80	90×50 (80×45)	11			120 (122.4)
		Wheel: Nylon Tread: Rubber								
SK-100NRF-G		100	32	132	110×80	90×50 (80×45)	11			100 (102.0)
		Wheel: Nylon Tread: Rubber (including B) (gray)								

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKV-type

SILENT-type

OTHER

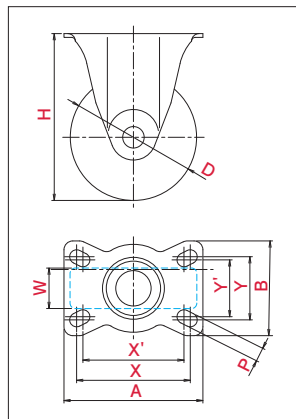
# SUS-SK

φ 100 125

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

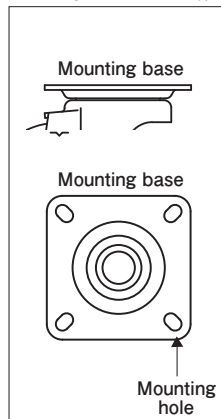


•External dimensions

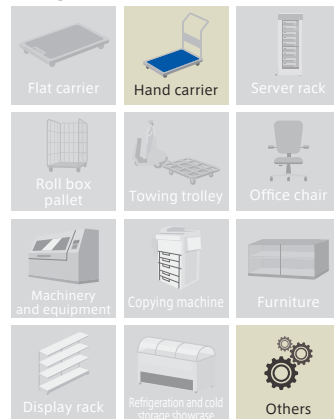


\*The Picture is a typical product image.

•Mounting Method(Plate Type)

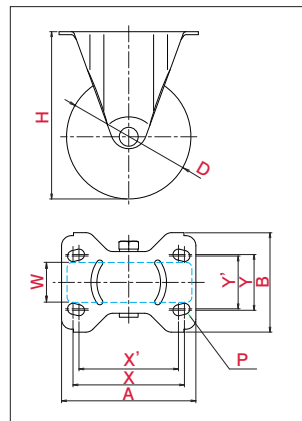


•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	
SUS-SK-100NR	 Wheel:Nylon Tread:Rubber(including B)	100	32	132	110×75	90×50(80×45)	11			100(102.0)	
SUS-SK-100N	 Wheel:Nylon Tread:Nylon	100	32	132	110×75	90×50(80×45)	11			100(102.0)	
SUS-SK-100NB	 Wheel:Nylon Tread:Nylon(including B)	100	32	132	110×75	90×50(80×45)	11			100(102.0)	
SUS-SK-100GU	 Wheel:Nylon Tread:Urethane(including B)	100	32	132	110×75	90×50(80×45)	11			100(102.0)	
SUS-SK-125GU		125		168	135×100	112×53(100×56)		120(122.4)			

•External dimensions



※ SUS-SK-125  
 ※ The Mounting dimension of SUS-SK-125 is XxY'(X'xY')

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKV-type

SILENT-type

OTHER

MIDDLESTAR (For Medium Duty) / J-type

SK/D

φ 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



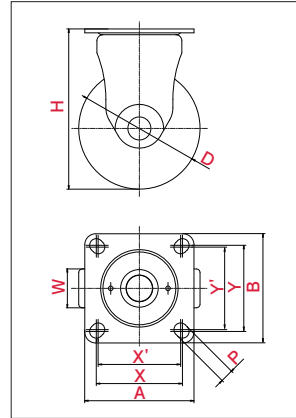
SK/D-100W



N

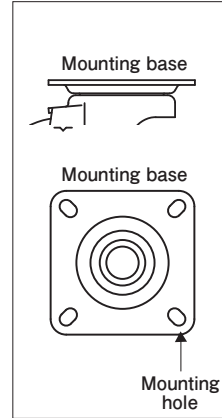
GU

## External dimensions

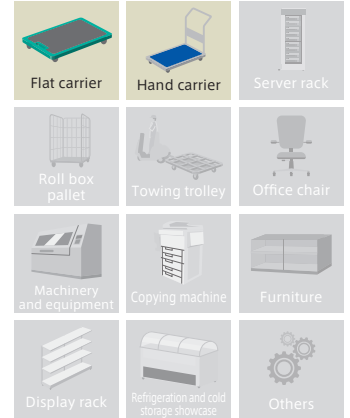


\*The Picture is a typical product image.

## Mounting Method (Plate Type)



## Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y'))[mm]	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
SK/D-100W	Wheel: Steel Plain Tread: Rubber (including B)	100	32	132	90×90	71×71 (68×68)	11			120 (122.4)
SK/D-100W-P	Wheel: Steel Plain Tread: Rubber	100	32	132	90×90	71×71 (68×68)	11			120 (122.4)
SK/D-100NR	Wheel: Nylon Tread: Rubber (including B)	100	32	132	90×90	71×71 (68×68)	11			100 (102.0)
SK/D-100N	Wheel: Nylon Tread: Nylon	100	32	132	90×90	71×71 (68×68)	11			120 (122.4)
SK/D-100NB	Wheel: Nylon Tread: Nylon (including B)	100	32	132	90×90	71×71 (68×68)	11			120 (122.4)
SK/D-100UW	Wheel: Steel Plain Tread: Urethane (including B)	100	32	132	90×90	71×71 (68×68)	11			120 (122.4)
SK/D-100GU	Wheel: Nylon Tread: Urethane (including B)	100	32	132	90×90	71×71 (68×68)	11			100 (102.0)

MIDDLE STAR (For Medium Duty) / M-type

# MG

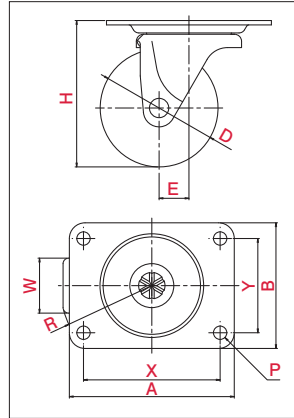
φ 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



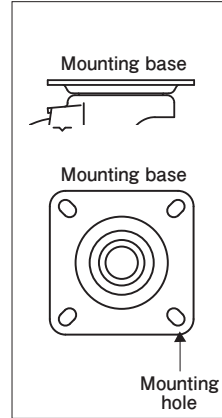
MG-75N

•External dimensions

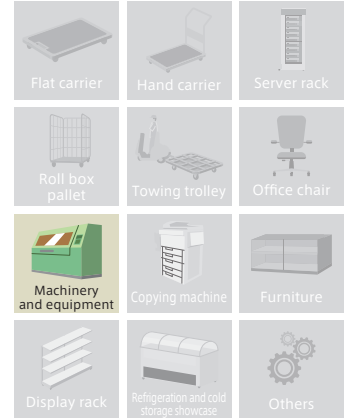



\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



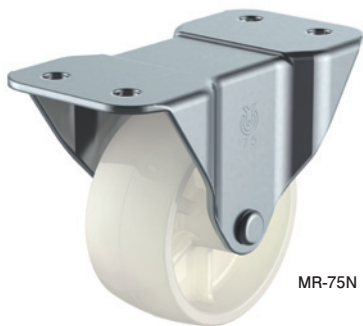
Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
MG-65N	 Wheel:Nylon Tread:Nylon	65	28	82	95×70	76×44	8.5	22	55	90(91.8)
MG-75N		75	35	93	105×80	87×60		21	59	100(102.0)

MIDDLE STAR (For Medium Duty) / M-type

# MR

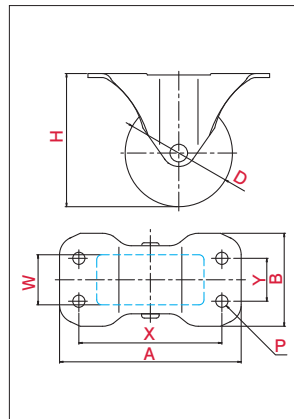
φ 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



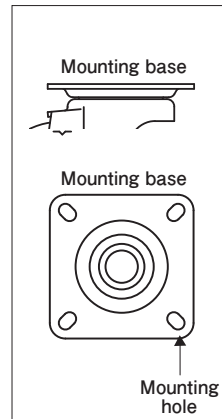
MR-75N

•External dimensions

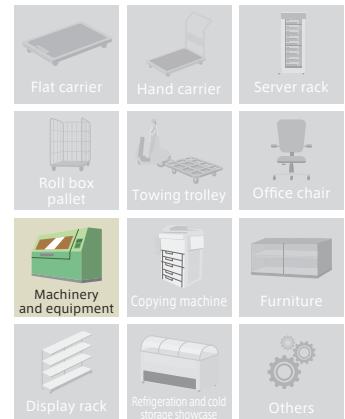



\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
MR-65N	 Wheel:Nylon Tread:Nylon	65	28	82	113×59	89×28	8.5			90(91.8)
MR-75N		75	35	93	127×65	100×30				100(102.0)

# HEAVYSTAR

Making the movements at your will.  
Flagship model with excellent durability and startability.





**LINEUP**

•J-type •PM-type •H-type •AF-type •SILENT-type

# HEAVYSTAR

## HEAVY DUTY



HEAVYSTAR strong enough to loads of 2 ton class.  
High performance caster produce add value  
for everyday work.

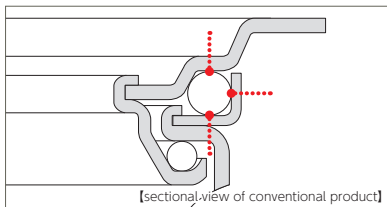
### POINT. 1

New design and new material to balance turning performance and high load bearing capacity

NEW

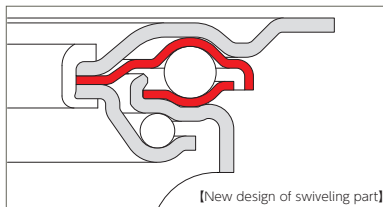
•New design of bearing structure keeps steel ball by circlur arc

**OLD** Conventional product keeps steel ball by plane point contact.



- Holding force of steel ball is weak
- Deformation of the bearing part due to wear of the bonded part
- The occurrence of rattling and swiveling failure

**NEW** New design of bearing structure keeps steel ball by circlur arc



- Reduce the burden on metal surfaces in contact with steel balls Reduced aging of swiveling part
- High strength more SAPH 600 special steel selected



•We select special steel and improve strength

Maximun load realized about 5 ton in compression test

#### ■ Result of compression test (Vertical load)

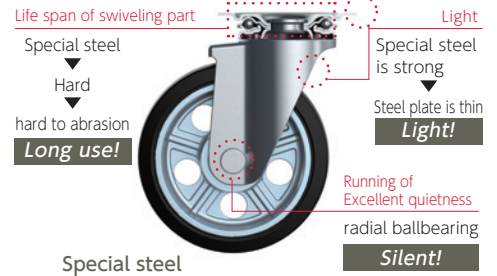
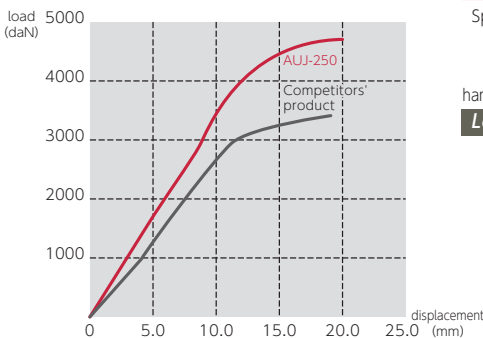
Product name	Max Load(daN)	Deformation(mm)
AUJ-250	4731	19.18
Competitors' product	3303	16.81

Enough allowance load for heavy duty product

AUJ-250 maximum load is 4,731 daN by compression test. AUJ-250 has enough allowance load compared with other company product (3,303 daN), it means AUJ-250 is 140% stronger and durable.

※It is a performance comparison display based on own research and does not guarantee the value.

#### ■ Result of strength performance



Special steel

special steel is more strength material than general steel. the plate is thin and superior more safe. a lot of auto industry customer selects PMS type.

※special steel is only PMS type.

### POINT. 2

Optimized for heavy load transport

Specialized caster which steel thickness and wheel width are designed for heavy duty

Heavy duty caster. Heavystar is designed wheel is more wide and steel thickness of bracket is more thick. The swivel part of the swiveling bracket is enhancing strong by heat treatment

Recommendation

Aluminium die casting wheel is light and strong

#### Aluminium die casting wheel

A large-sized wheel of  $\phi$  250 that runs through a site with many irregularities that can withstand 600 daN

We choiced aluminum die-cast wheel to cope with the hard working environment. Allowable load also improved by thickening the plate thickness. As a result allowance load realized until 600 daN



## LINE UP

<b>J</b>	P.122–P.123	<b>PMS</b>	P.138	<b>CAL-UHG</b>	P.151
WJ-75/UW/GU WJ-100/UW/GU/W-G/NR-G/NR/VO/WE/MCB/UWE/PH WJ-130/UW/GU/W-G/NR/VO/WE/MCB/UWE/PH WJ-150/UW/GU/W-G/NR-G/NR/VO/WE/MCB/UWE/PH WJ-200/UW/GU/W-G/VO/WE/MCB/UWE AWJ-250/AU		PMS-100WB/UWB/GUB PMS-130WB/UWB/GUB/WB-G PMS-150WB/UWB/GUB/WB-G/AW PMS-200WB/UWB/GUB/WB-G/AW		CAL-UHG-50MC/GFB/MCE/PB CAL-UHG-65MC/GFB/MCE/PB CAL-UHG-75MC/GFB/MCE/PB	
<b>SUS-J</b>	P.123–P.124	<b>PMS-LB(R)</b>	P.139	<b>HGL</b>	P.152
SUS-NRJ-100/N/GU SUS-NRJ-130/N/GU SUS-NRJ-150/N/GU SUS-NJ-200/GU		PMS-130WBLB(R)-G/WB/UWB/GUB PMS-150WBLB(R)-G/WB/UWB/GUB/AW PMS-200WBLB(R)-G/WB/UWB/GUB/AW		HGL-32GNB	
<b>JF</b>	P.124	<b>PMS (E46)</b>	P.140	<b>HR</b>	P.153
WFJF-200-G/WF		PMS-150WB (E46) /UWB (INJ)		HR-50GNB/MC/MCE HR-65GNB/MC/MCE/AU/PB HR-75GNB/MC/MCE/AU/PB	
<b>J-S</b>	P.125–P.126	<b>PMS-LB (E46)</b>	P.140–P.141	<b>SUS-HR</b>	P.154
WJ-75S/UW/GU WJ-100S/UW/GU/W-G/NR-G/NR/VO/WE/MCB/UWE/PH WJ-130S/UW/GU/W-G/NR/VO/WE/MCB/UWE/PH WJ-150S/UW/GU/W-G/NR-G/NR/VO/WE/MCB/UWE/PH WJ-200S/UW/GU/W-G/VO/WE/MCB/UWE		PMS-150WBLB (E46) (R) /UWB (INJ)		SUS-HR-50GNB/MC/MCE SUS-HR-65GNB/MC/MCE/PB SUS-HR-75GNB/MC/MCE/PB	
<b>SUS-J-S</b>	P.126	<b>PMS-DS (E46)</b>	P.141	<b>UHR</b>	P.155
SUS-NRJ-100S/N/GU SUS-NRJ-130S/N/GU SUS-NRJ-150S/N/GU SUS-NJ-200S/GU		PMS-150WBDS (E46) /UWB (INJ)		UHR-50PB/GFB/MC/MCE UHR-65PB/GFB/MC/MCE UHR-75PB/GFB/MC/MCE	
<b>JB(L)</b>	P.127–P.128	<b>PMR</b>	P.142	<b>HSG</b>	P.156
WJB-100-G/NR-G/W/NR/VO/WE/MCB/UW/GU/UWE/PH WJB-130-G/W/NR/VO/WE/MCB/UW/GU/UWE/PH WJB-150-G/NR-G/W/NR/VO/WE/MCB/UW/GU/UWE/PH WJB-200-G/W/VO/WE/MCB/UW/GU/UWE		PMR-100WB/UWB/GUB PMR-130WB/UWB/GUB/WB-G PMR-150WB/UWB/GUB/WB-G/AW PMR-200WB/UWB/GUB/WB-G/AW		HSG-50GFB/MC/MCE/PB HSG-65GNB/MC/MCE/PB/AU HSG-75GNB/MC/MCE/PB/AU	
<b>JB(R)</b>	P.128–P.129	<b>PMR-LB(R)</b>	P.143	<b>SUS-HSG</b>	P.157
WJB-100-G/NR-G/W/NR/VO/WE/MCB/UW/GU/UWE/PH WJB-130-G/W/NR/VO/WE/MCB/UW/GU/UWE/PH WJB-150-G/NR-G/W/NR/VO/WE/MCB/UW/GU/UWE/PH WJB-200-G/W/VO/WE/MCB/UW/GU/UWE		PMR-130WBLB(R)-G/WB/UWB/GUB PMR-150WBLB(R)-G/WB/UWB/GUB/AW PMR-200WBLB(R)-G/WB/UWB/GUB/AW		SUS-HSG-50GFB/MC/MCE/PB SUS-HSG-65GNB/MC/MCE/PB SUS-HSG-75GNB/MC/MCE/PB	
<b>JK</b>	P.130–P.131	<b>HG</b>	P.144	<b>HT</b>	P.158
WJK-150-G/NR-G/W/NR/VO/WE/MCB/UW/GU/UWE/PH		HG-50GNB/GNB (P54×36) /MC/MCE HG-65GNB/MC/MCE/AU/PB HG-75GNB/MC/MCE/AU/PB		[M16×40] HT-50GNB/MC/MCE HT-65GNB/MC/MCE/AU/PB HT-75GNB/MC/MCE/AU/PB [M20×40] HT-50GNB/MC/MCE HT-65GNB/MC/MCE/AU/PB HT-75GNB/MC/MCE/AU/PB	
<b>JK-S</b>	P.131–P.132	<b>SUS-HG</b>	P.145	<b>HT-S</b>	P.159
WJK-150S-G/NR-G/W/NR/VO/WE/MCB/UW/GU/UWE		SUS-HG-50GNB/MC/MCE SUS-HG-65GNB/MC/MCE/PB SUS-HG-75GNB/MC/MCE/PB		[M16×40] HT-50GNBS/MC/MCE HT-65GNBS/MC/MCE/PB HT-75GNBS/MC/MCE/PB [M20×40] HT-50GNBS/MC/MCE HT-65GNBS/MC/MCE/PB HT-75GNBS/MC/MCE/PB	
<b>K</b>	P.133–P.134	<b>HG-S</b>	P.146	<b>AF</b>	P.160
WK-75/UW/GU WK-100/UW/GU/W-G/NR-G/NR/VO/WE/MCB/UWE/PH WK-130/UW/GU/W-G (φ12) /NR/VO/WE/MCB/UWE/PH WK-150/UW/GU/W-G/NR-G/NR/VO/WE (φ12) /MCB/UWE/PH WK-200/UW/GU/W-G/VO/WE/MCB/UWE WFK-200-G/W AWK-250/AU		HG-50GNBS/GNB (P54×36) /MC/MCE HG-65GNBS/MC/MCE/PB HG-75GNBS/MC/MCE/PB		AF-50 AF-65 AF-75 AF-100	
<b>SUS-K</b>	P.134–P.135	<b>SUS-HG-S</b>	P.147	<b>HG-AF</b>	P.161
SUS-NRK-100/N/GU SUS-NRK-130/N/GU SUS-NRK-150/N/GU SUS-NK-200/GU		SUS-HG-50GNBS/MC/MCE SUS-HG-65GNBS/MC/MCE/PB SUS-HG-75GNBS/MC/MCE/PB		HG-65GNB-AF/MC/MCE/AU/PB HG-75GNB-AF/MC/MCE/AU/PB	
<b>KB(L)</b>	P.135–P.136	<b>HG-W</b>	P.148	<b>UHG</b>	P.149
WKB-100-G/NR-G/W/NR/VO/WE/MCB/UW/GU/UWE/PH WKB-130-G/W/NR/VO/WE/MCB/UW/GU/UWE/PH WKB-150-G/NR-G/W/NR/VO/WE/MCB/UW/GU/UWE/PH WKB-200-G/W/VO/WE/MCB/UW/GU/UWE		HG-38BN-W HG-50BN-W		UHG-50GFB/MC/MCE/PB UHG-65GFB/MC/MCE/PB UHG-75GFB/MC/MCE/PB UHG-80MC UHG-100MC	
<b>KB(R)</b>	P.137–P.138	<b>CAL-HG</b>	P.150		
WKB-100-G/NR-G/W/NR/VO/WE/MCB/UW/GU/UWE/PH WKB-130-G/W/NR/VO/WE/MCB/UW/GU/UWE/PH WKB-150-G/NR-G/W/NR/VO/WE/MCB/UW/GU/UWE/PH WKB-200-G/W/VO/WE/MCB/UW/GU/UWE		CAL-HG-65GNB/MC/MCE/AU/PB CAL-HG-75GNB/MC/MCE/AU/PB			

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# HEAVY STAR (For Heavy Duty) / J-type



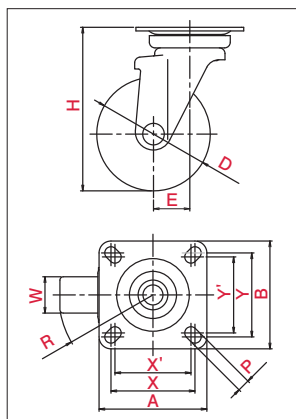
φ 75 100 130 150 200 250

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

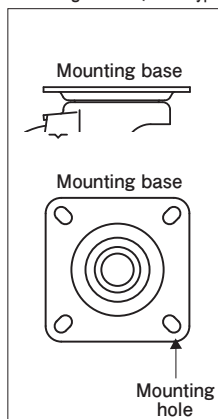


UWJ-150

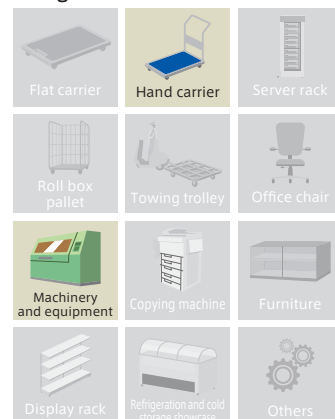
### External dimensions



### Mounting Method (Plate Type)



### Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y)(X'×Y')[mm]	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)		
WJ-75		75	32	103	82×82	63×63	9.5	26	64	80(81.6)		
WJ-100		100		144	95×95	74×74(67×67)					11	32
WJ-130		130	40	177	105×105	82×82(75×75)	105	180(183.6)				
WJ-150		150		198	120×120	94×94(87×87)			115	200(204.0)		
WJ-200		200	43	250	140×140	115×115(105×105)	11.5	56			156	250(255.0)
UWJ-75		75	32	103	82×82	63×63	9.5	26	64	120(122.4)		
UWJ-100		100		144	95×95	74×74(67×67)					11	32
UWJ-130		130	35	177	105×105	82×82(75×75)	105	250(255.0)				
UWJ-150		150	38	198	120×120	94×94(87×87)			115	300(306.0)		
UWJ-200		200	42	250	140×140	115×115(105×105)	11.5	56			156	400(408.0)
GUJ-75		75	32	103	82×82	63×63	9.5	26	64	100(102.0)		
GUJ-100		100		144	95×95	74×74(67×67)					11	32
GUJ-130		130	40	177	105×105	82×82(75×75)	105	180(183.6)				
GUJ-150		150		198	120×120	94×94(87×87)			115	200(204.0)		
GUJ-200		200	43	250	140×140	115×115(105×105)	11.5	56			156	250(255.0)
WJ-100-G		100	32	144	95×95	74×74(67×67)	11	32	82	120(122.4)		
WJ-130-G		130		40	177	105×105					82×82(75×75)	105
WJ-150-G		150	198		120×120	94×94(87×87)	115	200(204.0)				
WJ-200-G		200	43	250	140×140	115×115(105×105)			11.5	56	156	250(255.0)
NRJ-100-G			100	32	144	95×95	74×74(67×67)	11	32	82	100(102.0)	
NRJ-150-G	150		40		198	120×120	94×94(87×87)					115
NRJ-100		100	32	144	95×95	74×74(67×67)	11	32	82	100(102.0)		
NRJ-130		130		40	177	105×105					82×82(75×75)	105
NRJ-150		150	198		120×120	94×94(87×87)	115	200(204.0)				
WOJ-100		100	32	144	95×95	74×74(67×67)	11	32	82	120(122.4)		
WOJ-130		130		40	177	105×105					82×82(75×75)	105
WOJ-150		150	198		120×120	94×94(87×87)	115	200(204.0)				
WOJ-200		200	43	250	140×140	115×115(105×105)			11.5	56	156	250(255.0)
WEJ-100			100	32	144	95×95	74×74(67×67)	11	32	82	120(122.4)	
WEJ-130	130		40		177	105×105	82×82(75×75)					105
WEJ-150	150			198	120×120	94×94(87×87)	115	200(204.0)				
WEJ-200	200		43	250	140×140	115×115(105×105)			11.5	56	156	250(255.0)

# HEAVY STAR (For Heavy Duty) / J-type

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
MCBJ-100		100	32	144	95×95	74×74(67×67)	11	32	83	100(102.0)
MCBJ-130		130	40	177	105×105	82×82(75×75)		40	106	180(183.6)
MCBJ-150		150		198	120×120	94×94(87×87)		116	200(204.0)	
MCBJ-200		200	43	250	140×140	115×115(105×105)	11.5	56	156	250(255.0)
UWEJ-100		100	32	144	95×95	74×74(67×67)	11	32	82	180(183.6)
UWEJ-130		130	35	177	105×105	82×82(75×75)		40	105	250(255.0)
UWEJ-150		150	38	198	120×120	94×94(87×87)		115	300(306.0)	
UWEJ-200		200	42	250	140×140	115×115(105×105)	11.5	56	156	400(408.0)
PHJ-100		100	32	144	95×95	74×74(67×67)	11	32	83	100(102.0)
PHJ-130		130	40	177	105×105	82×82(75×75)		40	105	180(183.6)
PHJ-150		150		198	120×120	94×94(87×87)		115	200(204.0)	
AWJ-250		250	60	305	160×160	125×125	14	70	195	400(408.0)
AUJ-250		250	45	305	160×160	125×125	14	70	196	600(612.0)

# HEAVY STAR (For Heavy Duty, Stainless Steel) / J-type

# SUS-J

φ 100 130 150 200

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single stopper	Double stopper

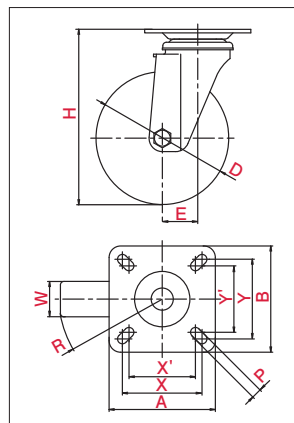


SUS-NJ-150



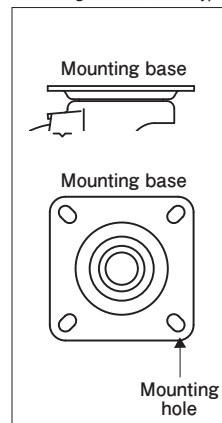
NR GU

### External dimensions

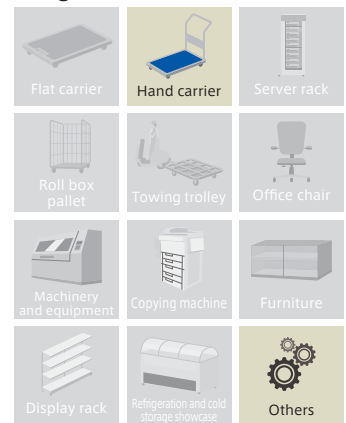


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-NRJ-100		100	32	144	95×95	74×74(67×67)	11	32	82	100(102.0)
SUS-NRJ-130		130	40	177	105×105	82×82(75×75)		40	105	180(183.6)
SUS-NRJ-150		150		198	120×120	90×90(75×75)		115	200(204.0)	
SUS-NJ-100		100	32	144	95×95	74×74(67×67)	11	32	82	100(102.0)

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# HEAVY STAR (For Heavy Duty, Stainless Steel) / J-type SUS-J

Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y(X'×Y'))(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
SUS-NJ-130		130	40	177	105×105	82×82(75×75)	11	40	105	160(163.2)
SUS-NJ-150		150		198	120×120	90×90(75×75)			115	180(183.6)
SUS-NJ-200		200	43	250	140×140	115×115(105×105)	11.5	56	156	220(224.4)
SUS-GUJ-100		100	32	144	95×95	74×74(67×67)	11	32	82	100(102.0)
SUS-GUJ-130		130	40	177	105×105	82×82(75×75)			40	105
SUS-GUJ-150		150		198	120×120	90×90(75×75)		115		200(204.0)
SUS-GUJ-200		200	43	250	140×140	115×115(105×105)		11.5	56	156

# HEAVY STAR (For Heavy Duty, Silence) / J-type

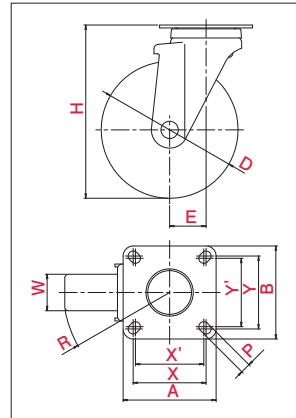
# JF

φ 200

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Radial Bearing
Single stopper	Double stopper

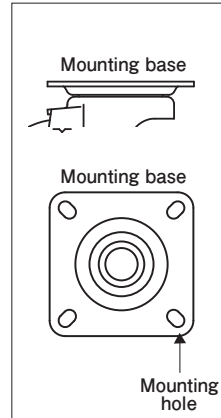


•External dimensions

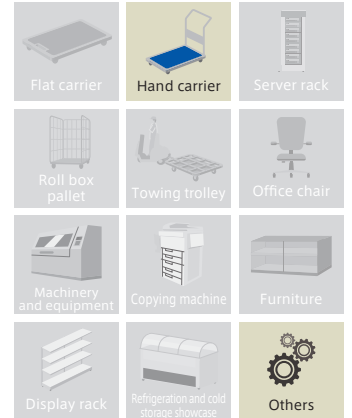


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y(X'×Y'))(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
WFJF-200-G		200	43	250	140×140	115×115(105×105)	11.5	56	156	200(204.0)
WFJF-200		200	43	250	140×140	115×115(105×105)	11.5	56	156	200(204.0)

# HEAVY STAR (For Heavy Duty) / J-type

# J-S

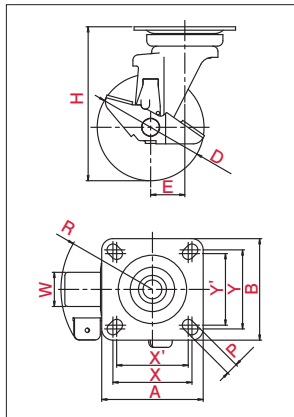
φ 75 100 130 150 200

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

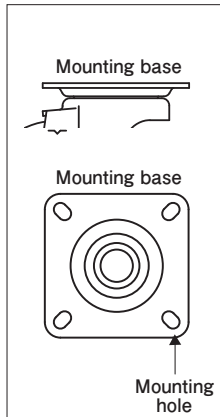


UWJ-150S

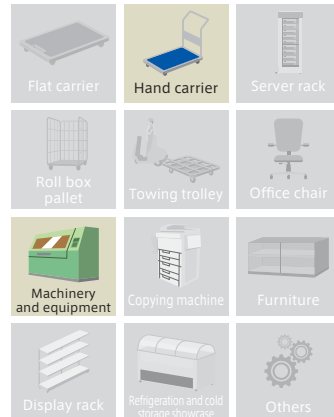
### External dimensions



### Mounting Method (Plate Type)



### Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)			
WJ-75S		75	32	103	82×82	63×63	9.5	28	71	80(81.6)			
WJ-100S		100		144	95×95	74×74(67×67)					11	32	86
WJ-130S		130	40	177	105×105	82×82(75×75)	108	180(183.6)					
WJ-150S		150		198	120×120	94×94(87×87)			115	200(204.0)			
WJ-200S		200	43	250	140×140	115×115(105×105)	11.5	56			156	250(255.0)	
UWJ-75S		75	32	103	82×82	63×63	9.5	28	71	120(122.4)			
UWJ-100S		100		144	95×95	74×74(67×67)					11	32	86
UWJ-130S		130	35	177	105×105	82×82(75×75)	108	250(255.0)					
UWJ-150S		150	38	198	120×120	94×94(87×87)			115	300(306.0)			
UWJ-200S		200	42	250	140×140	115×115(105×105)	11.5	56			156	400(408.0)	
GUJ-75S		75	32	103	82×82	63×63	9.5	28	71	100(102.0)			
GUJ-100S		100		144	95×95	74×74(67×67)					11	32	86
GUJ-130S		130	40	177	105×105	82×82(75×75)	108	200(204.0)					
GUJ-150S		150		198	120×120	94×94(87×87)			115	250(255.0)			
GUJ-200S		200	43	250	140×140	115×115(105×105)	11.5	56			156	250(255.0)	
WJ-100S-G		100	32	144	95×95	74×74(67×67)	11	32	86	120(122.4)			
WJ-130S-G		130	40	177	105×105	82×82(75×75)					40	108	180(183.6)
WJ-150S-G		150		198	120×120	94×94(87×87)	115	200(204.0)					
WJ-200S-G		200	43	250	140×140	115×115(105×105)			11.5	56	156	250(255.0)	
NRJ-100S-G		100	32	144	95×95	74×74(67×67)	11	32	86	100(102.0)			
NRJ-150S-G		150	40	198	120×120	94×94(87×87)					40	115	200(204.0)
NRJ-100S		100	32	144	95×95	74×74(67×67)	11	32	86	100(102.0)			
NRJ-130S		130	40	177	105×105	82×82(75×75)					40	108	180(183.6)
NRJ-150S		150		198	120×120	94×94(87×87)							
WOJ-100S		100	32	144	95×95	74×74(67×67)	11	32	86	120(122.4)			
WOJ-130S		130	40	177	105×105	82×82(75×75)					40	108	180(183.6)
WOJ-150S		150		198	120×120	94×94(87×87)	115	200(204.0)					
WOJ-200S		200	43	250	140×140	115×115(105×105)			11.5	56	156	250(255.0)	
WEJ-100S		100	32	144	95×95	74×74(67×67)	11	32	86	120(122.4)			
WEJ-130S		130	40	177	105×105	82×82(75×75)					40	108	180(183.6)
WEJ-150S		150		198	120×120	94×94(87×87)	115	200(204.0)					
WEJ-200S		200	43	250	140×140	115×115(105×105)			11.5	56	156	250(255.0)	

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing


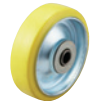

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# HEAVY STAR (For Heavy Duty) / J-type J-S

Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y)(X'×Y')(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
MCBJ-100S	 Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)	100	32	144	95×95	74×74 (67×67)	11	32	86	100(102.0)
MCBJ-130S		130	40	177	105×105	82×82 (75×75)		40	108	180(183.6)
MCBJ-150S		150	198	120×120	94×94 (87×87)	116		200(204.0)		
MCBJ-200S		200	43	250	140×140	115×115 (105×105)	11.5	56	156	250(255.0)
UWEJ-100S	 Wheel: Steel Plain Tread: Antistatic Urethane (including B)	100	32	144	95×95	74×74 (67×67)	11	32	86	180(183.6)
UWEJ-130S		130	35	177	105×105	82×82 (75×75)		40	108	250(255.0)
UWEJ-150S		150	38	198	120×120	94×94 (87×87)		115	300(306.0)	
UWEJ-200S		200	42	250	140×140	115×115 (105×105)	11.5	56	156	400(408.0)
*PHJ-100S	 Wheel: Phenol Tread: Phenol	100	32	144	95×95	74×74 (67×67)	11	32	86	100(102.0)
*PHJ-130S		130	40	177	105×105	82×82 (75×75)		40	108	180(183.6)
*PHJ-150S		150	198	120×120	94×94 (87×87)	115		200(204.0)		

\* The release date of these products are 2018

# HEAVY STAR (For Heavy Duty, Stainless Steel) / J-type

## SUS-J-S

φ 100 130 150 200

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single stopper	Double stopper

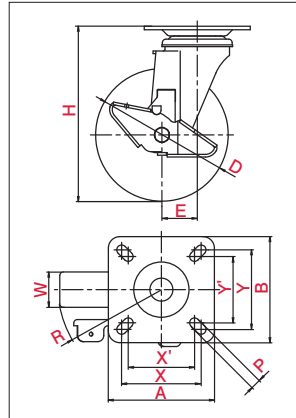


SUS-NJ-150S



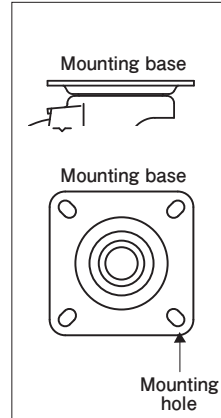
NR GU

### External dimensions

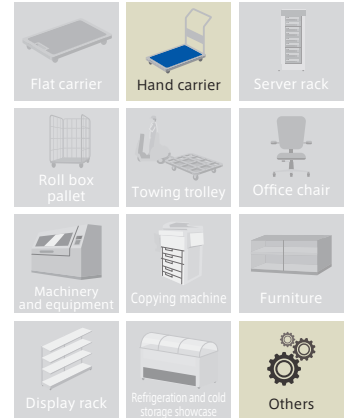





\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y)(X'×Y')(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
SUS-NRJ-100S	 Wheel: Nylon Tread: Rubber (including B)	100	32	144	95×95	74×74 (67×67)	11	32	86	100(102.0)
SUS-NRJ-130S		130	40	177	105×105	82×82 (75×75)		40	110	180(183.6)
SUS-NRJ-150S		150	198	120×120	90×90 (75×75)	115		200(204.0)		
SUS-NJ-100S	 Wheel: Nylon Tread: Nylon	100	32	144	95×95	74×74 (67×67)	11	32	86	100(102.0)
SUS-NJ-130S		130	40	177	105×105	82×82 (75×75)		40	110	160(163.2)
SUS-NJ-150S		150	38	198	120×120	90×90 (75×75)		115	180(183.6)	
SUS-NJ-200S	200	43	250	140×140	115×115 (105×105)	11.5	56	156	220(224.4)	
SUS-GUJ-100S	 Wheel: Nylon Tread: Urethane (including B)	100	32	144	95×95	74×74 (67×67)	11	32	86	100(102.0)
SUS-GUJ-130S		130	40	177	105×105	82×82 (75×75)		40	110	180(183.6)
SUS-GUJ-150S		150	198	120×120	90×90 (75×75)	115		200(204.0)		
SUS-GUJ-200S		200	43	250	140×140	115×115 (105×105)		11.5	56	156



# HEAVY STAR (For Heavy Duty) / J-type

# JB[L]

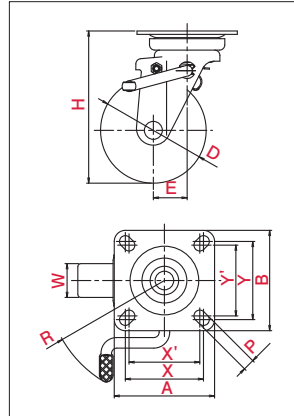
φ 100 130 150 200

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



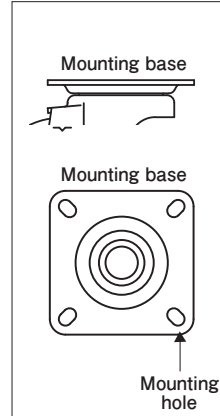
GUJB-150(L)

### •External dimensions

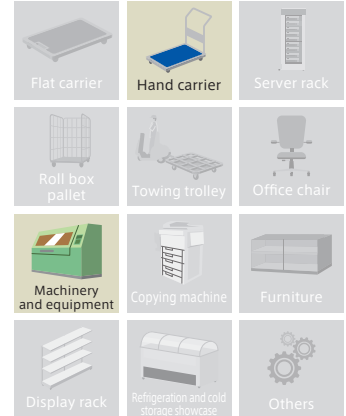


\*The Picture is a typical product image.

### •Mounting Method(Plate Type)



### •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
WJB-100 (L)-G	Wheel-Steel Plain Tread-Rubber(including B[gray])	100	32	144	95×95	74×74(67×67)	11	32	112	120(122.4)
WJB-130 (L)-G		130	40	177	105×105	82×82(75×75)		40	133	180(183.6)
WJB-150 (L)-G		150		198	120×120	94×94(87×87)		200(204.0)		
WJB-200 (L)-G	Wheel-Steel Plain Tread-Rubber(including B[gray])	200	43	250	140×140	115×115(105×105)	11.5	56	156	250(255.0)
NRJB-100 (L)-G	Wheel-Nylon Tread-Rubber(including B[gray])	100	32	144	95×95	74×74(67×67)	11	32	112	100(102.0)
NRJB-150 (L)-G		150	40	198	120×120	94×94(87×87)		40	133	200(204.0)
WJB-100 (L)	Wheel-Steel Plain Tread-Rubber(including B)	100	32	144	95×95	74×74(67×67)	11	32	112	120(122.4)
WJB-130 (L)		130	40	177	105×105	82×82(75×75)		40	133	180(183.6)
WJB-150 (L)		150		198	120×120	94×94(87×87)		200(204.0)		
WJB-200 (L)		200	43	250	140×140	115×115(105×105)		11.5	56	156
NRJB-100 (L)	Wheel-Nylon Tread-Rubber(including B)	100	32	144	95×95	74×74(67×67)	11	32	112	100(102.0)
NRJB-130 (L)		130	40	177	105×105	82×82(75×75)		40	133	180(183.6)
NRJB-150 (L)		150		198	120×120	94×94(87×87)		200(204.0)		
WOJB-100 (L)	Wheel-Steel Plain Tread:Oil Resistant Rubber(including B)	100	32	144	95×95	74×74(67×67)	11	32	112	120(122.4)
WOJB-130 (L)		130	40	177	105×105	82×82(75×75)		40	133	180(183.6)
WOJB-150 (L)		150		198	120×120	94×94(87×87)		200(204.0)		
WOJB-200 (L)		200	43	250	140×140	115×115(105×105)		11.5	56	156
WEJB-100 (L)	Wheel-Steel Plain Tread:Conductive Rubber(including B)	100	32	144	95×95	74×74(67×67)	11	32	112	120(122.4)
WEJB-130 (L)		130	40	177	105×105	82×82(75×75)		40	133	180(183.6)
WEJB-150 (L)		150		198	120×120	94×94(87×87)		200(204.0)		
WEJB-200 (L)		200	43	250	140×140	115×115(105×105)		11.5	56	156
MCBJB-100 (L)	Wheel-Monomer Cast Nylon Tread:Monomer Cast Nylon(including B)	100	32	144	95×95	74×74(67×67)	11	32	112	100(102.0)
MCBJB-130 (L)		130	40	177	105×105	82×82(75×75)		40	133	180(183.6)
MCBJB-150 (L)		150		198	120×120	94×94(87×87)		200(204.0)		
MCBJB-200 (L)		200	43	250	140×140	115×115(105×105)		11.5	56	156
UWJB-100 (L)	Wheel-Steel Plain Tread:Urethane(including B)	100	32	144	95×95	74×74(67×67)	11	32	112	180(183.6)
UWJB-130 (L)		130	35	177	105×105	82×82(75×75)		40	133	250(255.0)
UWJB-150 (L)		150	38	198	120×120	94×94(87×87)		300(306.0)		
UWJB-200 (L)		200	42	250	140×140	115×115(105×105)		11.5	56	156
GUJB-100 (L)	Wheel-Nylon Tread:Urethane(including B)	100	32	144	95×95	74×74(67×67)	11	32	112	100(102.0)
GUJB-130 (L)		130	40	177	105×105	82×82(75×75)		40	133	180(183.6)
GUJB-150 (L)		150		198	120×120	94×94(87×87)		200(204.0)		
GUJB-200 (L)		200	43	250	140×140	115×115(105×105)		11.5	56	156

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

# HEAVY STAR (For Heavy Duty) / J-type JB[L]

Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y(X'×Y'))(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
UWEJB-100 (L)	Wheel:Steel Plain Tread:Artistic (Infrared/Incluing B)	100	32	144	95×95	74×74(67×67)	11	32	112	180(183.6)
UWEJB-130 (L)		130	35	177	105×105	82×82(75×75)		40	133	250(255.0)
UWEJB-150 (L)		150	38	198	120×120	94×94(87×87)		40	133	300(306.0)
UWEJB-200 (L)		200	42	250	140×140	115×115(105×105)	11.5	56	156	400(408.0)
PHJB-100 (L)	Wheel:Phenol Tread:Phenol	100	32	144	95×95	74×74(67×67)	11	32	112	100(102.0)
PHJB-130 (L)		130	40	177	105×105	82×82(75×75)		40	133	180(183.6)
PHJB-150 (L)		150	40	198	120×120	94×94(87×87)		40	133	200(204.0)

# HEAVY STAR (For Heavy Duty) / J-type

# JB[R]

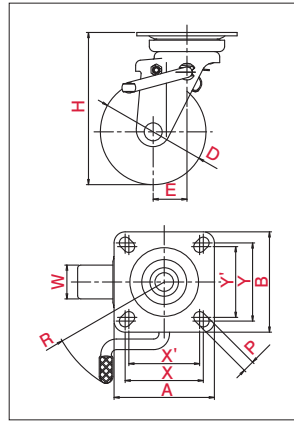
φ 75 100 130 150 200

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper



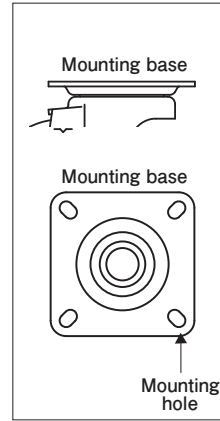
GUJB-150 (R)

### •External dimensions

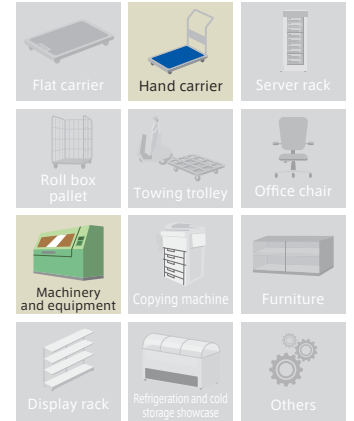


\*The Picture is a typical product image.

### •Mounting Method(Plate Type)



### •Usage



Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y(X'×Y'))(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
WJB-100 (R) -G	Wheel:Steel Plain Tread:Rubber(including B)(gray)	100	32	144	95×95	74×74(67×67)	11	32	112	120(122.4)
WJB-130 (R) -G		130	40	177	105×105	82×82(75×75)		40	133	180(183.6)
WJB-150 (R) -G		150	40	198	120×120	94×94(87×87)		40	133	200(204.0)
WJB-200 (R) -G	200	43	250	140×140	115×115(105×105)	115×115(105×105)	11.5	56	156	250(255.0)
NRJB-100 (R) -G	Wheel:Nylon Tread:Rubber(including B)(gray)	100	32	144	95×95	74×74(67×67)	11	32	112	100(102.0)
NRJB-150 (R) -G		150	40	198	120×120	94×94(87×87)		40	133	200(204.0)
WJB-75 (R)	Wheel:Steel Plain Tread:Rubber(including B)	75	32	103	82×82	63×63	9.5	26	84	80(81.6)
WJB-100 (R)		100		144	95×95	74×74(67×67)		32	112	120(122.4)
WJB-130 (R)		130	40	177	105×105	82×82(75×75)	11	40	133	180(183.6)
WJB-150 (R)		150		198	120×120	94×94(87×87)				200(204.0)
WJB-200 (R)	200	43	250	140×140	115×115(105×105)	115×115(105×105)	11.5	56	156	250(255.0)
NRJB-100 (R)	Wheel:Nylon Tread:Rubber(including B)	100	32	144	95×95	74×74(67×67)	11	32	112	100(102.0)
NRJB-130 (R)		130	40	177	105×105	82×82(75×75)		40	133	180(183.6)
NRJB-150 (R)		150	40	198	120×120	94×94(87×87)		40	133	200(204.0)
WOJB-100 (R)	Wheel:Steel Plain Tread:Oil Resistant Rubber(including B)	100	32	144	95×95	74×74(67×67)	11	32	112	120(122.4)
WOJB-130 (R)		130	177	105×105	82×82(75×75)	40				133
WOJB-150 (R)		150	198	120×120	94×94(87×87)			11.5	56	
WOJB-200 (R)		200	43	250	140×140	115×115(105×105)				115×115(105×105)

# HEAVY STAR (For Heavy Duty) / J-type JB[R]

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
WEJB-100 (R)	 Wheel: Steel Plain Tread: Conductive Rubber	100	32	144	95×95	74×74(67×67)	11	32	112	120(122.4)
WEJB-130 (R)		130	40	177	105×105	82×82(75×75)		40	133	180(183.6)
WEJB-150 (R)		150		120×120	94×94(87×87)	200(204.0)				
WEJB-200 (R)		200	43	250	140×140	115×115(105×105)	11.5	56	156	250(255.0)
MCBJB-100 (R)	 Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon(Including B)	100	32	144	95×95	74×74(67×67)	11	32	112	100(102.0)
MCBJB-130 (R)		130	40	177	105×105	82×82(75×75)		40	133	180(183.6)
MCBJB-150 (R)		150		120×120	94×94(87×87)	200(204.0)				
MCBJB-200 (R)		200	43	250	140×140	115×115(105×105)	11.5	56	156	250(255.0)
UWJB-75 (R)	 Wheel: Steel Plain Tread: Urethane(Including B)	75	32	103	82×82	63×63	11	26	84	120(122.4)
UWJB-100 (R)		100		144	95×95	74×74(67×67)		32	112	180(183.6)
UWJB-130 (R)		130	35	177	105×105	82×82(75×75)		40	133	250(255.0)
UWJB-150 (R)		150	38	198	120×120	94×94(87×87)		300(306.0)		
UWJB-200 (R)		200	42	250	140×140	115×115(105×105)		11.5	56	156
GUJB-75 (R)	 Wheel: Nylon Tread: Urethane(Including B)	75	32	103	82×82	63×63	11	26	84	100(102.0)
GUJB-100 (R)		100		144	95×95	74×74(67×67)		32	112	180(183.6)
GUJB-130 (R)		130	40	177	105×105	82×82(75×75)		40	133	200(204.0)
GUJB-150 (R)		150		120×120	94×94(87×87)	250(255.0)				
GUJB-200 (R)		200	43	250	140×140	115×115(105×105)		11.5	56	156
UWEJB-100 (R)	 Wheel: Steel Plain Tread: Artistic Urethane(Including B)	100	32	144	95×95	74×74(67×67)	11	32	112	180(183.6)
UWEJB-130 (R)		130	35	177	105×105	82×82(75×75)		40	133	250(255.0)
UWEJB-150 (R)		150	38	198	120×120	94×94(87×87)		300(306.0)		
UWEJB-200 (R)		200	42	250	140×140	115×115(105×105)	11.5	56	156	400(408.0)
PHJB-100 (R)	 Wheel: Phenol Tread: Phenol	100	32	144	95×95	74×74(67×67)	11	32	112	100(102.0)
PHJB-130 (R)		130	40	177	105×105	82×82(75×75)		40	133	180(183.6)
PHJB-150 (R)		150		120×120	94×94(87×87)	200(204.0)				

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

# HEAVY STAR (For Heavy Duty) / J-type

# JK

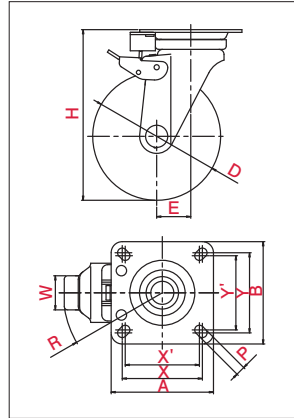
φ 150

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

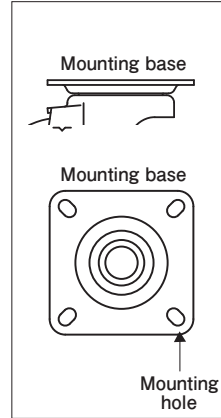


GUJK-150

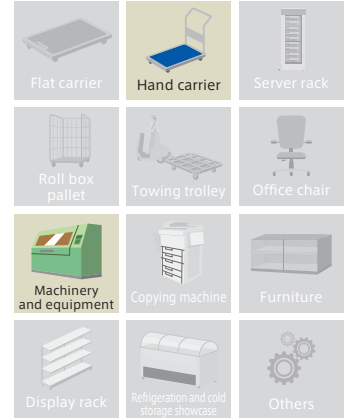
External dimensions



Mounting Method (Plate Type)





Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
WJK-150-G	 Wheel: Steel Plain Tread: Rubber (including B) (gray)	150	40	198	120×120	94×94 (87×87)	11	40	115	200 (204.0)
NRJK-150-G	 Wheel: Nylon Tread: Rubber (including B) (gray)	150	40	198	120×120	94×94 (87×87)	11	40	115	200 (204.0)
WJK-150	 Wheel: Steel Plain Tread: Rubber (including B)	150	40	198	120×120	94×94 (87×87)	11	40	115	200 (204.0)
NRJK-150	 Wheel: Nylon Tread: Rubber (including B)	150	40	198	120×120	94×94 (87×87)	11	40	115	200 (204.0)
WOJK-150	 Wheel: Steel Plain Tread: Oil Resistant Rubber (including B)	150	40	198	120×120	94×94 (87×87)	11	40	115	200 (204.0)
WEJK-150	 Wheel: Steel Plain Tread: Conductive Rubber (including B)	150	40	198	120×120	94×94 (87×87)	11	40	115	200 (204.0)
MCBJK-150	 Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)	150	40	198	120×120	94×94 (87×87)	11	40	116	200 (204.0)
UWJK-150	 Wheel: Steel Plain Tread: Urethane (including B)	150	38	198	120×120	94×94 (87×87)	11	40	115	300 (306.0)
GUJK-150	 Wheel: Nylon Tread: Urethane (including B)	150	40	198	120×120	94×94 (87×87)	11	40	115	200 (204.0)

# HEAVY STAR (For Heavy Duty) / J-type JK

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
UWEJK-150	 Wheel-Steel Plain Tread-Artistic Urethane(Including B)	150	38	198	120×120	94×94(87×87)	11	40	115	300(306.0)
PHJK-150	 Wheel-Phenol Tread-Phenol(Including B)	150	40	198	120×120	94×94(87×87)	11	40	115	200(204.0)

# HEAVY STAR (For Heavy Duty) / J-type

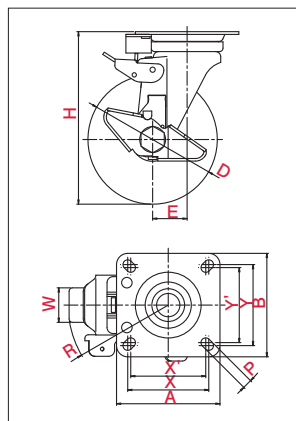
# JK-S

φ 150

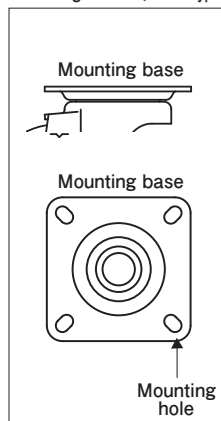
Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Spirally Fixing Type	Double stopper



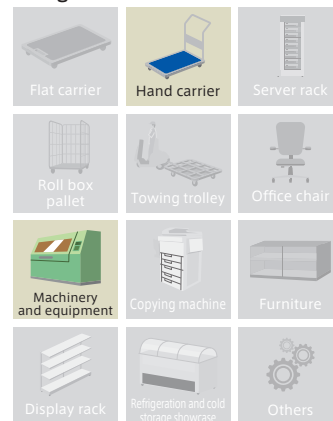
### External dimensions



### Mounting Method (Plate Type)



### Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
WJK-150S-G	 Wheel-Steel Plain Tread-Rubber(Including B)(gray)	150	40	198	120×120	94×94(87×87)	11	40	115	200(204.0)
NRJK-150S-G	 Wheel-Nylon Tread-Rubber(Including B)(gray)	150	40	198	120×120	94×94(87×87)	11	40	115	200(204.0)
WJK-150S	 Wheel-Steel Plain Tread-Rubber(Including B)	150	40	198	120×120	94×94(87×87)	11	40	115	200(204.0)
NRJK-150S	 Wheel-Nylon Tread-Rubber(Including B)	150	40	198	120×120	94×94(87×87)	11	40	115	200(204.0)
WOJK-150S	 Wheel-Steel Plain Tread-Di-Resistant Rubber(Including B)	150	40	198	120×120	94×94(87×87)	11	40	115	200(204.0)

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

# HEAVY STAR (For Heavy Duty) / J-type JK-S

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
WEJK-150S	 Wheel: Steel Plain Tread: Conductive Rubber(including B)	150	40	198	120×120	94×94(87×87)	11	40	115	200(204.0)
MCBJK-150S	 Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon(including B)	150	40	198	120×120	94×94(87×87)	11	40	116	200(204.0)
UWJK-150S	 Wheel: Steel Plain Tread: Urethane(including B)	150	38	198	120×120	94×94(87×87)	11	40	115	300(306.0)
GUJK-150S	 Wheel: Nylon Tread: Urethane(including B)	150	40	198	120×120	94×94(87×87)	11	40	115	200(204.0)
UWEJK-150S	 Wheel: Steel Plain Tread: Instatic Urethane(including B)	150	38	198	120×120	94×94(87×87)	11	40	115	300(306.0)

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKV-type

SILENT-type

OTHER

# HEAVY STAR (For Heavy Duty) / J-type

# K

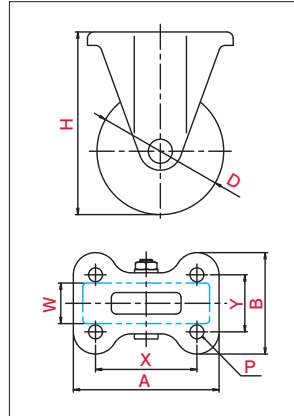
φ 75 100 130 150 200 250

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

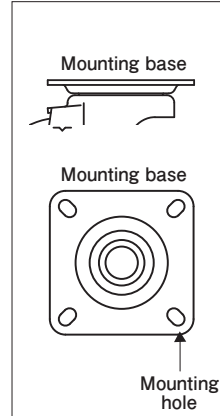


UWK-150

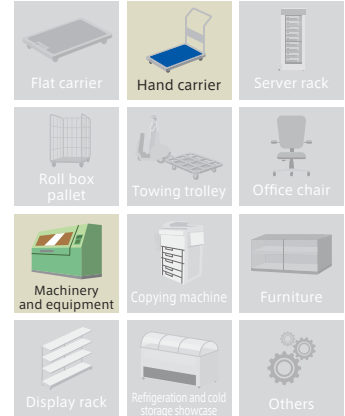
### External dimensions



### Mounting Method (Plate Type)



### Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	
WK-75		75	32	103	95×72	63×40	9.5			80(81.6)	
WK-100		100		144						115×80	80×45
WK-130		130	40	177	137×93	100×56	11			180(183.6)	
WK-150		150		198						200(204.0)	
WK-200		200	43	250	151×102	112×63	11.5			250(255.0)	
WFK-200		200		250						151×102	112×63
UWK-75		75	32	103	95×72	63×40	9.5			120(122.4)	
UWK-100		100		144						115×80	80×45
UWK-130		130	35	177	137×93	100×56	11			250(255.0)	
UWK-150		150		38						198	300(306.0)
UWK-200		200	42	250	151×102	112×63	11.5			400(408.0)	
GUK-75		75		32						103	95×72
GUK-100	100	144	115×80		80×45	180(183.6)					
GUK-130	130	40	177	137×93	100×56	11	200(204.0)				
GUK-150	150		198				250(255.0)				
GUK-200	200	43	250	151×102	112×63	11.5	250(255.0)				
WK-100-G	100		32				144	115×80	80×45	11	
WK-130 (φ 12)-G	130	40		177	137×93	100×56	11				
WK-150-G	150		198	200(204.0)							
WK-200-G	200	43	250	151×102	112×63	11.5	250(255.0)				
WFK-200-G	200		250				151×102	112×63	200(204.0)		
NRK-100-G	100	32	144	115×80	80×45	11			100(102.0)		
NRK-150-G	150		40						198	137×93	100×56
NRK-100	100	32	144	115×80	80×45	11					100(102.0)
NRK-130	130		40								177
NRK-150	150	198		200(204.0)							
WOK-100	100	32	144	115×80	80×45	11					
WOK-130	130		40				177	137×93			
WOK-150	150	198		200(204.0)							
WOK-200	200	43	250	151×102	112×63	11.5	250(255.0)				

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# HEAVY STAR (For Heavy Duty) / J-type K

Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y)(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
WEK-100	 Wheel: Steel Plain Tread: Conductive Rubber (including B)	100	32	144	115×80	80×45	11			120(122.4)
WEK-130		130	40	177	137×93	100×56				180(183.6)
WEK-150		150		198		200(204.0)				
WEK-200		200	43	250	151×102	112×63	11.5			250(255.0)
MCBK-100	 Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)	100	32	144	115×80	80×45	11			100(102.0)
MCBK-130		130	40	177	137×93	100×56				180(183.6)
MCBK-150		150		198		200(204.0)				
MCBK-200		200	43	250	151×102	112×63	11.5			250(255.0)
UWEK-100	 Wheel: Steel Plain Tread: Artistic Urethane (including B)	100	32	144	115×80	80×45	11			180(183.6)
UWEK-130		130	35	177	137×93	100×56				250(255.0)
UWEK-150		150	38	198		300(306.0)				
UWEK-200		200	42	250	151×102	112×63	11.5			400(408.0)
PHK-100	 Wheel: Phenol Tread: Phenol	100	32	144	115×80	80×45	11			100(102.0)
PHK-130		130	40	177	137×93	100×56				180(183.6)
PHK-150		150		198		200(204.0)				
AWK-250	 Wheel: Aluminum Tread: Rubber (including B)	250	60	305	200×140	140×80	14			
AUK-250	 Wheel: Aluminum Tread: Urethane (including B)	250	45	305	200×140	140×80	14			

# HEAVY STAR (For Heavy Duty, Stainless Steel) / J-type

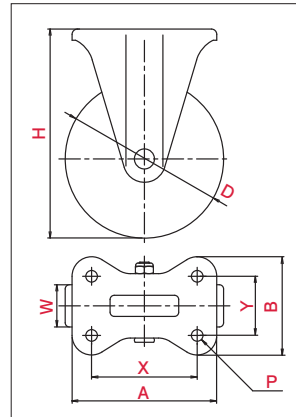
# SUS-K

φ 100 130 150 200

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single stopper	Double stopper

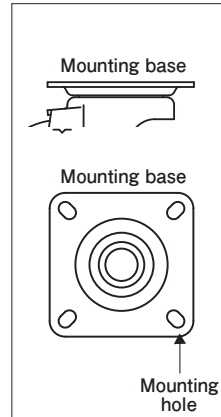


•External dimensions

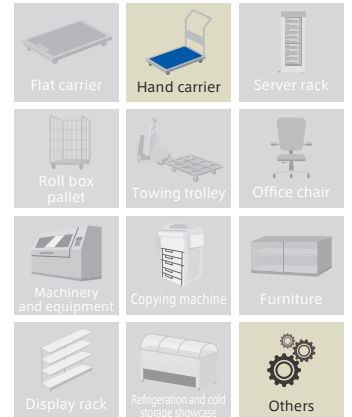



\*The Picture is a typical product image.

•Mounting Method (Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y)(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
SUS-NRK-100	 Wheel: Nylon Tread: Rubber (including B)	100	32	144	115×80	80×45	11			100(102.0)
SUS-NRK-130		130	40	177	137×93	100×56				180(183.6)
SUS-NRK-150		150		198		200(204.0)				



# HEAVY STAR (For Heavy Duty, Stainless Steel) / J-type SUS-K

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-NK-100	Wheel:Nylon Tread:Nylon	100	32	144	115×80	80×45	11			100(102.0)
SUS-NK-130	Wheel:Nylon Tread:Nylon(including B)	130	40	177	137×93	100×56	11			160(163.2)
SUS-NK-150		150		198				180(183.6)		
SUS-NK-200		200	43	250	151×102	112×63	11.5			220(224.4)
SUS-GUK-100	Wheel:Nylon Tread:Urethane(including B)	100	32	144	115×80	80×45	11			100(102.0)
SUS-GUK-130		130	40	177	137×93	100×56				180(183.6)
SUS-GUK-150		150		198			200(204.0)			
SUS-GUK-200		200	43	250	151×102	112×63	11.5			250(255.0)

# HEAVY STAR (For Heavy Duty) / J-type

# KB[L]

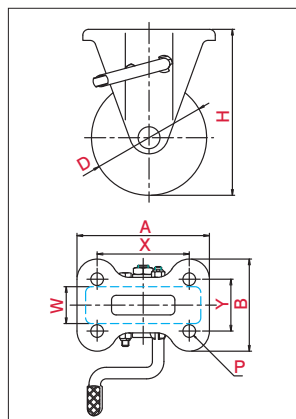
φ 100 130 150 200

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



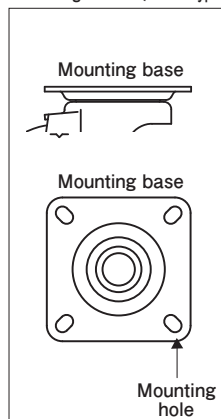
GUKB-150(L)

### External dimensions

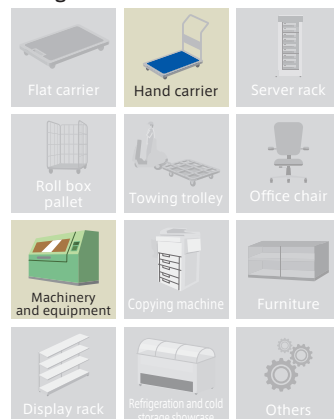


\*The Picture is a typical product image.

### Mounting Method(Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
WKB-100 (L)-G	Wheel:Steel Plain Tread:Rubber(including B)(gray)	100	32	144	115×80	80×45	11			120(122.4)
WKB-130 (L)-G		130	40	177	137×93	100×56				180(183.6)
WKB-150 (L)-G		150		198		112×50(100×56)	200(204.0)			
WKB-200 (L)-G	200	43	250	151×102	112×63	11.5			250(255.0)	
NRKB-100 (L)-G	Wheel:Nylon Tread:Rubber(including B)(gray)	100	32	144	115×80	80×45	11			100(102.0)
NRKB-150 (L)-G		150	40	198	137×93	112×50(100×56)		200(204.0)		
WKB-100 (L)	Wheel:Steel Plain Tread:Rubber(including B)	100	32	144	115×80	80×45	11			120(122.4)
WKB-130 (L)		130	40	177	137×93	100×56				180(183.6)
WKB-150 (L)		150		198		200(204.0)				
WKB-200 (L)	200	43	250	151×102	112×63	11.5			250(255.0)	
NRKB-100 (L)	Wheel:Nylon Tread:Rubber(including B)	100	32	144	115×80	80×45	11			100(102.0)
NRKB-130 (L)		130	40	177	137×93	100×56				180(183.6)
NRKB-150 (L)		150		198		200(204.0)				

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock


Shock Absorbing

Silence

Towing

Stainless Steel

# HEAVY STAR (For Heavy Duty) / J-type KB[L]

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
WOKB-100 (L)		100	32	144	115×80	80×45	11			120(122.4)
WOKB-130 (L)		130	40	177	137×93	100×56				180(183.6)
WOKB-150 (L)		150		198						200(204.0)
WOKB-200 (L)		Wheel: Steel Plain Tread: Oil Resistant Rubber (including B)	200	43	250	151×102	112×63	11.5		250(255.0)
WEKB-100 (L)		100	32	144	115×80	80×45	11			120(122.4)
WEKB-130 (L)		130	40	177	137×93	100×56				180(183.6)
WEKB-150 (L)		150		198						200(204.0)
WEKB-200 (L)		Wheel: Steel Plain Tread: Conductive Rubber	200	43	250	151×102	112×63	11.5		250(255.0)
MCBKB-100 (L)		100	32	144	115×80	80×45	11			100(102.0)
MCBKB-130 (L)		130	40	177	137×93	100×56				180(183.6)
MCBKB-150 (L)		150		198						200(204.0)
MCBKB-200 (L)		Wheel: Monomer Cast Nylon Tread: None	200	43	250	151×102	112×63	11.5		250(255.0)
UWKB-100 (L)		100	32	144	115×80	80×45	11			180(183.6)
UWKB-130 (L)		130	35	177	137×93	100×56				250(255.0)
UWKB-150 (L)		150	38	198						300(306.0)
UWKB-200 (L)		Wheel: Steel Plain Tread: Urethane (including B)	200	42	250	151×102	112×63	11.5		400(408.0)
GUKB-100 (L)		100	32	144	115×80	80×45	11			100(102.0)
GUKB-130 (L)		130	40	177	137×93	100×56				180(183.6)
GUKB-150 (L)		150		198						200(204.0)
GUKB-200 (L)		Wheel: Nylon Tread: Urethane (including B)	200	43	250	151×102	112×63	11.5		250(255.0)
UWEKB-100 (L)		100	32	144	115×80	80×45	11			180(183.6)
UWEKB-130 (L)		130	35	177	137×93	100×56				250(255.0)
UWEKB-150 (L)		150	38	198						300(306.0)
UWEKB-200 (L)		Wheel: Steel Plain Tread: Artistic Urethane (including B)	200	42	250	151×102	112×63	11.5		400(408.0)
PHKB-100 (L)		100	32	144	115×80	80×45	11			100(102.0)
PHKB-130 (L)		130	40	177	137×93	100×56				180(183.6)
PHKB-150 (L)		150		198						200(204.0)
	Wheel: Phenol Tread: Phenol									

# KB[R]

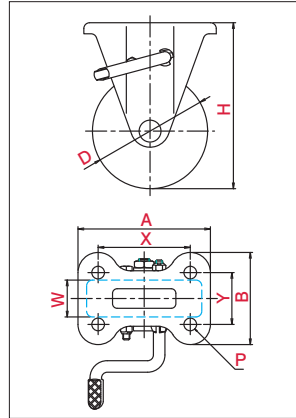
φ 100 130 150 200

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

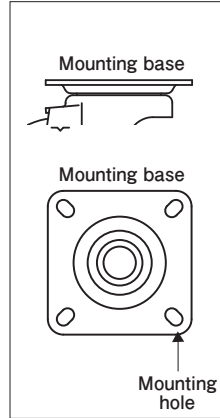


GUKB-150(R)

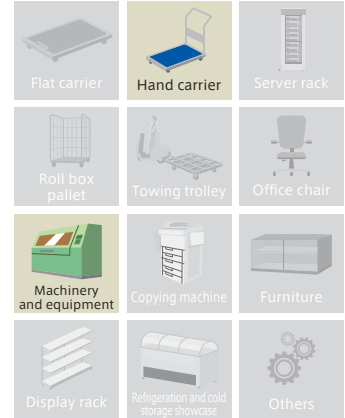
•External dimensions



•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
WKB-100 (R)-G		100	32	144	115×80	80×45	11			120(122.4)
WKB-130 (R)-G		130	40	177	137×93	100×56				180(183.6)
WKB-150 (R)-G		150		198		112×50(100×56)				200(204.0)
WKB-200 (R)-G	Wheel-Steel Plain Tread-Rubber(including B[gray])	200	43	250	151×102	112×63	11.5			250(255.0)
NRKB-100 (R)-G		100	32	144	115×80	80×45	11			100(102.0)
NRKB-150 (R)-G		150	40	198	137×93	112×50(100×56)				200(204.0)
	Wheel-Nylon Tread-Rubber(including B[gray])									
WKB-100 (R)		100	32	144	115×80	80×45	11			120(122.4)
WKB-130 (R)		130	40	177	137×93	100×56				180(183.6)
WKB-150 (R)		150		198		200(204.0)				
WKB-200 (R)	Wheel-Steel Plain Tread-Rubber(including B)	200	43	250	151×102	112×63	11.5			250(255.0)
NRKB-100 (R)		100	32	144	115×80	80×45	11			100(102.0)
NRKB-130 (R)		130	40	177	137×93	100×56				180(183.6)
NRKB-150 (R)		150		198		200(204.0)				
	Wheel-Nylon Tread-Rubber(including B)									
WOKB-100 (R)		100	32	144	115×80	80×45	11			120(122.4)
WOKB-130 (R)		130	40	177	137×93	100×56				180(183.6)
WOKB-150 (R)		150		198		200(204.0)				
WOKB-200 (R)	Wheel-Steel Plain Tread-Oil Resistant Rubber(including B)	200	43	250	151×102	112×63	11.5			250(255.0)
WEKB-100 (R)		100	32	144	115×80	80×45	11			120(122.4)
WEKB-130 (R)		130	40	177	137×93	100×56				180(183.6)
WEKB-150 (R)		150		198		200(204.0)				
WEKB-200 (R)	Wheel-Steel Plain Tread-Conductive Rubber	200	43	250	151×102	112×63	11.5			250(255.0)
MCBKB-100 (R)		100	32	144	115×80	80×45	11			100(102.0)
MCBKB-130 (R)		130	40	177	137×93	100×56				180(183.6)
MCBKB-150 (R)		150		198		200(204.0)				
MCBKB-200 (R)	Wheel-Monomer Cast Nylon Tread-Monomer Cast Nylon(including B)	200	43	250	151×102	112×63	11.5			250(255.0)
UWKB-100 (R)		100	32	144	115×80	80×45	11			180(183.6)
UWKB-130 (R)		130	35	177	137×93	100×56				250(255.0)
UWKB-150 (R)		150	38	198		300(306.0)				
UWKB-200 (R)	Wheel-Steel Plain Tread-Urethane(including B)	200	42	250	151×102	112×63	11.5			400(408.0)
GUKB-100 (R)		100	32	144	115×80	80×45	11			100(102.0)
GUKB-130 (R)		130	40	177	137×93	100×56				180(183.6)
GUKB-150 (R)		150		198		200(204.0)				
GUKB-200 (R)	Wheel-Nylon Tread-Urethane(including B)	200	43	250	151×102	112×63	11.5			250(255.0)

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type



NP-type

SKY-type

SILENT-type

OTHER

# HEAVY STAR (For Heavy Duty) / J-type KB[R]

Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y)(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
UWEKB-100 (R)		100	32	144	115×80	80×45	11			180(183.6)
UWEKB-130 (R)		130	35	177	137×93	100×56				250(255.0)
UWEKB-150 (R)		150	38	198						300(306.0)
UWEKB-200 (R)		200	42	250	151×102	112×63	11.5	400(408.0)		
PHKB-100 (R)		100	32	144	115×80	80×45	11			100(102.0)
PHKB-130 (R)		130	40	177	137×93	100×56				180(183.6)
PHKB-150 (R)		150		198						200(204.0)

# HEAVY STAR (For Heavy Duty, For Towing) / PM-type

# PMS

φ 100 130 150 200

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

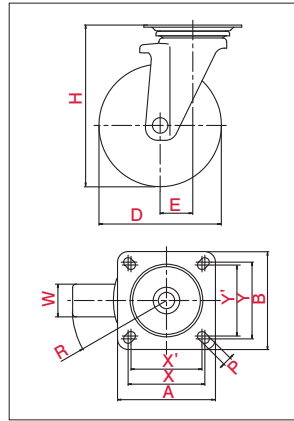


PMS-150AW



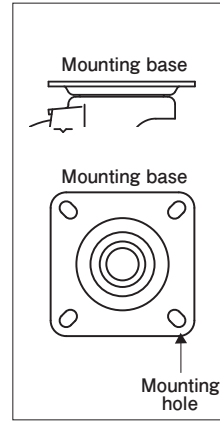
WB UWB GUB WB-G

### External dimensions

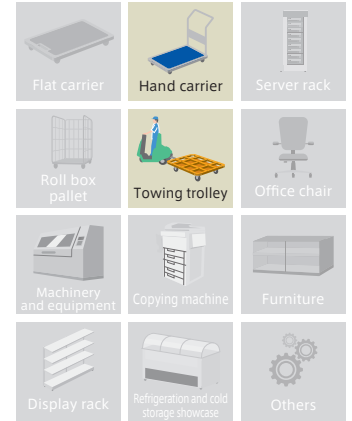



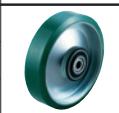

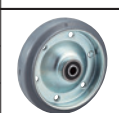
\*The Picture is a typical product image.

### Mounting Method (Plate Type)




### Usage



Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y)(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
PMS-100WB		100	32	144	95×95	74×74(67×67)	11	32	82	120(122.4)
PMS-130WB		130	40	177	110×110	90×90(80×80)		105	180(183.6)	
PMS-150WB		150		198	120×120	94×94(87×87)		115	200(204.0)	
PMS-200WB	200	43	250	144×144	120×120(105×105)	11.5	56	156	250(255.0)	
PMS-100UWB		100	32	144	95×95	74×74(67×67)	11	32	82	180(183.6)
PMS-130UWB		130	35	177	110×110	90×90(80×80)		105	250(255.0)	
PMS-150UWB		150	38	198	120×120	94×94(87×87)		115	300(306.0)	
PMS-200UWB	200	42	250	144×144	120×120(105×105)	11.5	56	156	400(408.0)	
PMS-100GUB		100	32	144	95×95	74×74(67×67)	11	32	82	100(102.0)
PMS-130GUB		130	40	177	110×110	90×90(80×80)		105	180(183.6)	
PMS-150GUB		150		198	120×120	94×94(87×87)		115	200(204.0)	
PMS-200GUB	200	43	250	144×144	120×120(105×105)	11.5	56	156	250(255.0)	
PMS-130WB-G		130	40	177	110×110	90×90(80×80)	11	40	105	180(183.6)
PMS-150WB-G		150		198	120×120	94×94(87×87)		115	200(204.0)	
PMS-200WB-G		200	43	250	144×144	120×120(105×105)		11.5	56	156

## For Towing

PMS-150AW		150	42	198	120×120	94×94(87×87)	11	40	115	250(255.0)
PMS-200AW		200	45	250	144×144	120×120(105×105)	11.5	56	156	300(306.0)

# PMS-LB[R]

φ 130 150 200

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

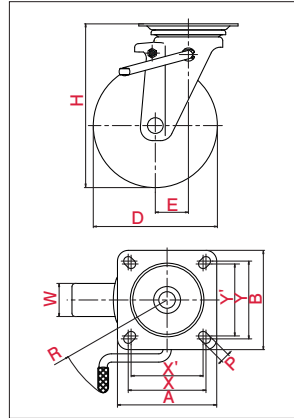


PMS-150AWLB (R)



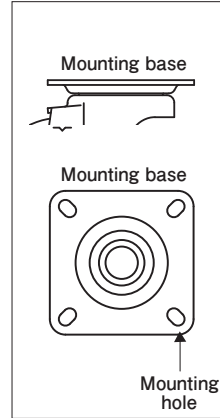
WB-G WB UWB GUB

•External dimensions

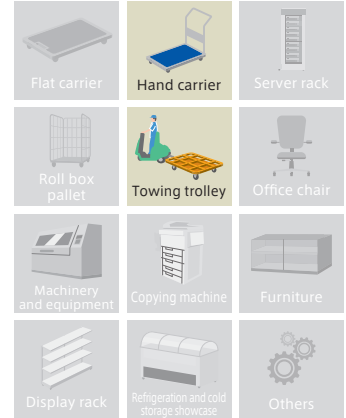


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
PMS-130WBLB (R) -G		130	40	177	110×110	90×90 (80×80)	11	40	138	180 (183.6)
PMS-150WBLB (R) -G		150		198	120×120	94×94 (87×87)				200 (204.0)
PMS-200WBLB (R) -G		200	43	250	144×144	120×120 (105×105)	11.5	56	156	250 (255.0)
Wheel:Steel Plain Tread:Rubber(including B[gray])										
PMS-130WBLB (R)		130	40	177	110×110	90×90 (80×80)	11	40	138	180 (183.6)
PMS-150WBLB (R)		150		198	120×120	94×94 (87×87)				200 (204.0)
PMS-200WBLB (R)		200	43	250	144×144	120×120 (105×105)	11.5	56	156	250 (255.0)
Wheel:Steel Plain Tread:Rubber(including B)										
PMS-130UWBLB (R)		130	35	177	110×110	90×90 (80×80)	11	40	138	250 (255.0)
PMS-150UWBLB (R)		150	38	198	120×120	94×94 (87×87)				300 (306.0)
PMS-200UWBLB (R)		200	42	250	144×144	120×120 (105×105)	11.5	56	156	400 (408.0)
Wheel:Steel Plain Tread:Urethane(including B)										
PMS-130GUBLB (R)		130	40	177	110×110	90×90 (80×80)	11	40	138	180 (183.6)
PMS-150GUBLB (R)		150		198	120×120	94×94 (87×87)				200 (204.0)
PMS-200GUBLB (R)		200	43	250	144×144	120×120 (105×105)	11.5	56	156	250 (255.0)
Wheel:Nylon Tread:Urethane(including B)										

■For Towing

PMS-150AWLB (R)		150	42	198	120×120	94×94 (87×87)	11	40	138	250 (255.0)
PMS-200AWLB (R)		200	45	250	144×144	120×120 (105×105)	11.5	56	156	300 (306.0)
Wheel:Aluminum Tread:Rubber(including B)										

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

HEAVY STAR (For Heavy Duty) / PM-type

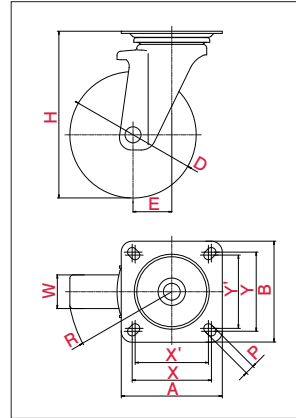
# PMS (E46) $\phi 150$

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



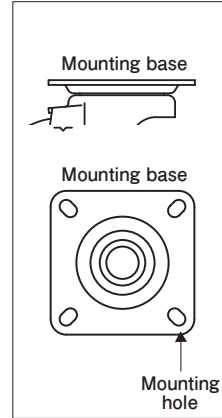
PMS-150WB (E46)

### External dimensions

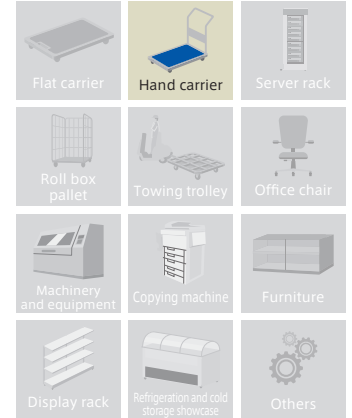


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A x B[mm])	Mounting dimensions (X x Y (X' x Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
PMS-150WB (E46)		150	40	198	120 x 120	94 x 94 (87 x 87)	11	46	121	200 (204.0)
PMS-150UWB/INJ (E46)		150	38	198	120 x 120	94 x 94 (87 x 87)	11	46	121	300 (306.0)

HEAVY STAR (For Heavy Duty) / PM-type

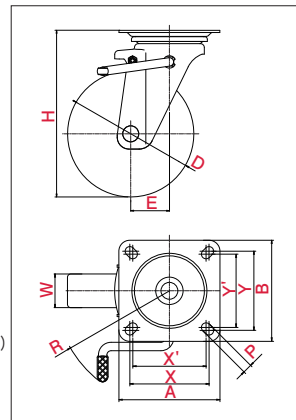
# PMS-LB (E46) $\phi 150$

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



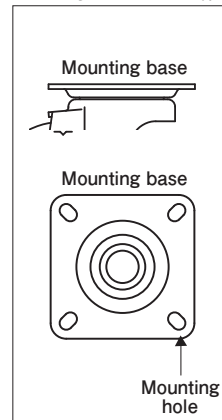
PMS-150WBLB (E46) (R)

### External dimensions

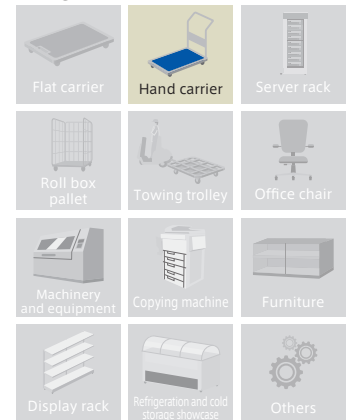


\*The Picture is a typical product image.

### Mounting Method (Plate Type)




### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A x B[mm])	Mounting dimensions (X x Y (X' x Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
*PMS-150WBLB (E46) (R)		150	40	198	120 x 120	94 x 94 (87 x 87)	11	46	136	200 (204.0)

# HEAVY STAR (For Heavy Duty) / PM-type PMS-LB (E46)

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X×Y)[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
*PMS-150WBLB/INJ (E46) (R)		150	38	198	120×120	94×94(87×87)	11	46	136	300(306.0)
	Wheel: Steel Plain Tread: Urethane (including B)									

\* The release date of these products are 2018

# HEAVY STAR (For Heavy Duty) / PM-type

# PMS-DS (E46)

φ 150

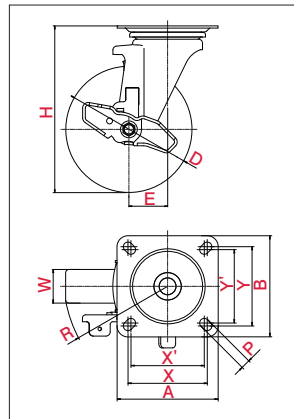
Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper



PMS-150WBDS (E46)

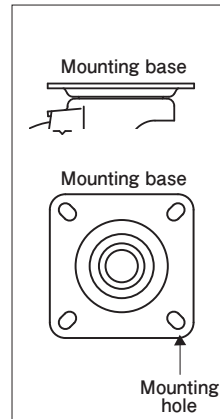
PMS-150WBDS/INJ (E46)

### External dimensions

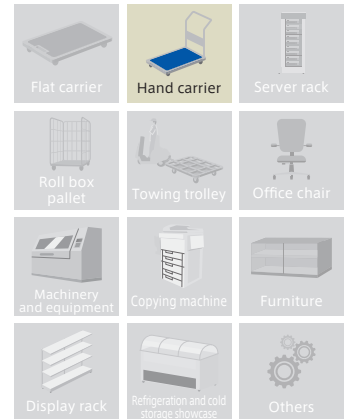




\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X×Y)[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
*PMS-150WBDS (E46)		150	40	198	120×120	94×94(87×87)	11	46	121	200(204.0)
	Wheel: Steel Plain Tread: Rubber (including B)									
*PMS-150WBDS/INJ (E46)		150	38	198	120×120	94×94(87×87)	11	46	121	300(306.0)
	Wheel: Steel Plain Tread: Urethane (including B)									

\* The release date of these products are 2018

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# HEAVY STAR (For Heavy Duty, For Towing) / PM-type

# PMR

φ 100 130 150 200

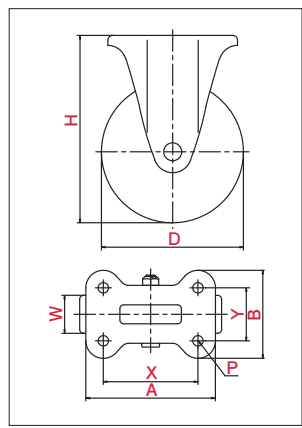
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



PMR-150AW

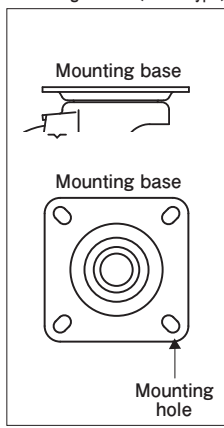


•External dimensions

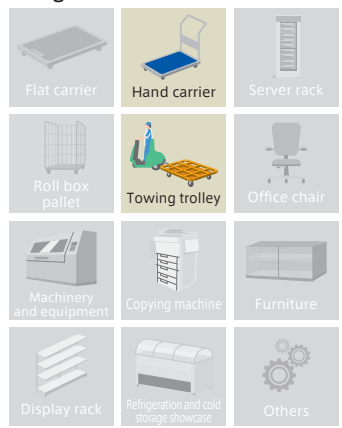


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y)[mm]	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
PMR-100WB		100	32	144	115×80	80×45	11			120(122.4)
PMR-130WB		130	40	177	137×93	100×56				180(183.6)
PMR-150WB		150		198		112×50(100×56)				200(204.0)
PMR-200WB	Wheel:Steel Plain Tread:Rubber(including B)	200	43	250	151×102	112×63	11.5			250(255.0)
PMR-100UWB		100	32	144	115×80	80×45	11			180(183.6)
PMR-130UWB		130	35	177	137×93	100×56				250(255.0)
PMR-150UWB		150	38	198		112×50(100×56)				300(306.0)
PMR-200UWB	Wheel:Steel Plain Tread:Urethane(including B)	200	42	250	151×102	112×63	11.5			400(408.0)
PMR-100GUB		100	32	144	115×80	80×45	11			100(102.0)
PMR-130GUB		130	40	177	137×93	100×56				180(183.6)
PMR-150GUB		150		198		112×50(100×56)				200(204.0)
PMR-200GUB	Wheel:Nylon Tread:Urethane(including B)	200	43	250	151×102	112×63	11.5			250(255.0)
PMR-130WB-G		130	40	177	137×93	100×56	11			180(183.6)
PMR-150WB-G		150		198		112×50(100×56)				200(204.0)
PMR-200WB-G		200	43	250	151×102	112×63				11.5
	Wheel:Steel Plain Tread:Rubber(including B)(gray)									

## For Towing

PMR-150AW		150	42	198	137×93	112×50(100×56)	11			250(255.0)
PMR-200AW		200	45	250	151×102	112×63	11.5			300(306.0)
		Wheel:Aluminum Tread:Rubber(including B)								



HEAVY STAR (For Heavy Duty, For Towing) / PM-type

# PMR-LB[R]

φ 130 150 200

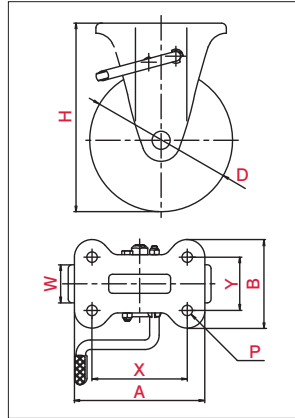
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



PMR-150AWLB (R)

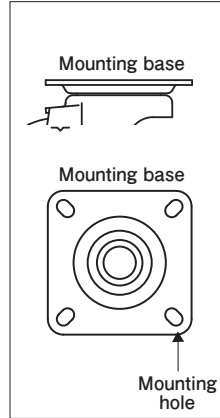


•External dimensions

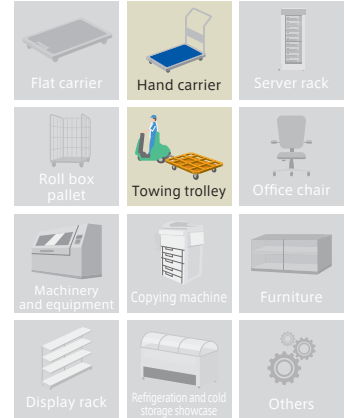


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
PMR-130WBLB (R) -G		130	40	177	137×93	100×56	11			180 (183.6)
PMR-150WBLB (R) -G		150		198		112×50 (100×56)				200 (204.0)
PMR-200WBLB (R) -G		200	43	250	151×102	112×63	11.5			180 (183.6)
	Wheel:Steel Plain Tread:Rubber(including Bl(gray))									
PMR-130WBLB (R)		130	40	177	137×93	100×56	11			180 (183.6)
PMR-150WBLB (R)		150		198		112×50 (100×56)				200 (204.0)
PMR-200WBLB (R)		200	43	250	151×102	112×63	11.5			250 (255.0)
	Wheel:Steel Plain Tread:Rubber(including B)									
PMR-130UWBLB (R)		130	35	177	137×93	100×56	11			250 (255.0)
PMR-150UWBLB (R)		150	38	198		112×50 (100×56)				300 (306.0)
PMR-200UWBLB (R)		200	42	250	151×102	112×63	11.5			400 (408.0)
	Wheel:Steel Plain Tread:Urethane(including B)									
PMR-130GUBLB (R)		130	40	177	137×93	100×56	11			180 (183.6)
PMR-150GUBLB (R)		150		198		112×50 (100×56)				200 (204.0)
PMR-200GUBLB (R)		200	43	250	151×102	112×63	11.5			250 (255.0)
	Wheel:Nylon Tread:Urethane(including B)									

■For Towing

PMR-150AWLB (R)		150	42	198	137×93	112×50 (100×56)	11			250 (255.0)
PMR-200AWLB (R)		200	45	250	151×102	112×63	11.5			300 (306.0)
		Wheel:Aluminum Tread:Rubber(including B)								

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# HEAVY STAR (For Heavy Duty, For Low Profile)/H-type

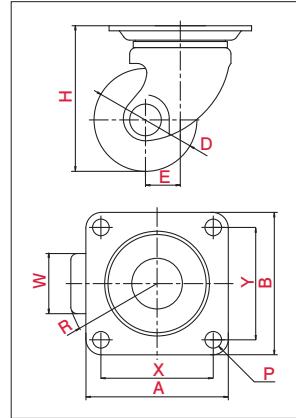
# HG

φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

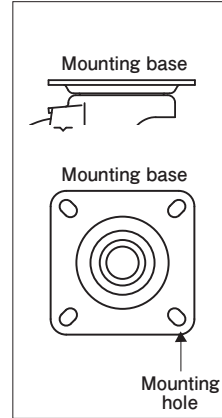


### External dimensions

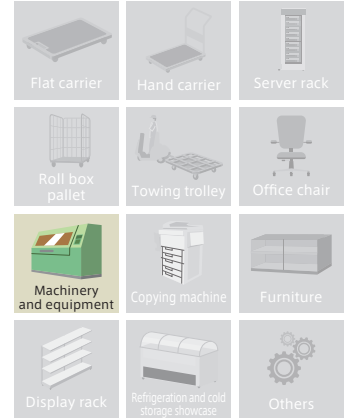


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
HG-50GNB		50	28	68	64×64	50×50	6.5	25	51	160(163.2)
HG-50GNB (P54×36)					70×54	54×36				
	Wheel: Reinforced Nylon Tread: Reinforced Nylon									
HG-65GNB		65	38	92	90×90	71×71	10.5	22	57	300(306.0)
HG-75GNB		75		106					61	
	Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)									
HG-50MC		50	25	68	64×64	50×50	6.5	25	51	160(163.2)
	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon									
HG-65MC		65	38	92	90×90	71×71	10.5	22	57	300(306.0)
HG-75MC		75		106					61	
	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)									
HG-50MCE		50	25	68	64×64	50×50	6.5	25	51	160(163.2)
	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon									
HG-65MCE		65	38	92	90×90	71×71	10.5	22	57	300(306.0)
HG-75MCE		75		106					61	
	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)									
HG-65AU		65	38	92	90×90	71×71	10.5	22	57	300(306.0)
HG-75AU		75		106					61	
	Wheel: Aluminum Tread: Urethane (including B)									
HG-65PB		65	38	92	90×90	71×71	10.5	22	57	300(306.0)
HG-75PB		75		106					61	
	Wheel: Phenol Tread: Phenol (including B)									

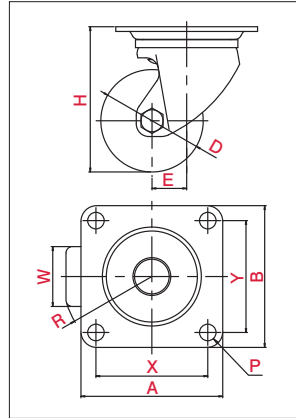
# SUS-HG

φ 50 65 75

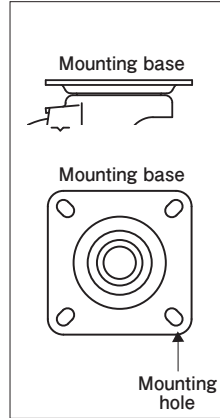
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



•External dimensions



•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-HG-50GNB		50	28	68	64×64	50×50	6.5	25	51	120(122.4)
SUS-HG-65GNB		65	38	92	90×90	71×71	10.5	22	57	230(234.6)
SUS-HG-75GNB		75		106					61	250(255.0)
SUS-HG-50MC		50	25	68	64×64	50×50	6.5	25	51	120(122.4)
SUS-HG-65MC		65	38	92	90×90	71×71	10.5	22	57	230(234.6)
SUS-HG-75MC		75		106					61	250(255.0)
SUS-HG-50MCE		50	25	68	64×64	50×50	6.5	25	51	120(122.4)
SUS-HG-65MCE		65	38	92	90×90	71×71	10.5	22	57	230(234.6)
SUS-HG-75MCE		75		106					61	250(255.0)
SUS-HG-65PB		65	38	92	90×90	71×71	10.5	22	57	230(234.6)
SUS-HG-75PB		75		106					61	250(255.0)

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# HEAVY STAR (For Heavy Duty, For Low Profile)/H-type

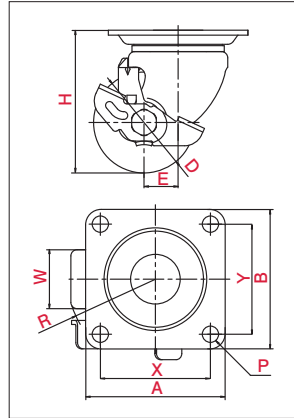
# HG-S

φ 50 65 75

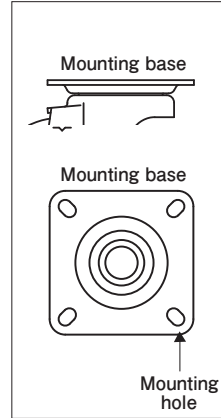
Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper



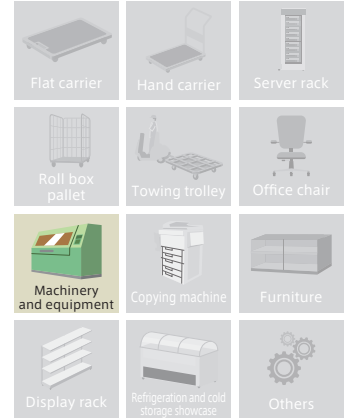
•External dimensions



•Mounting Method(Plate Type)



•Usage



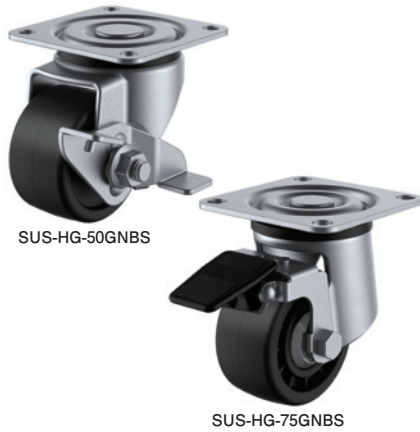
\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
HG-50GNBS		50	28	68	64×64	50×50	6.5	25	65	160(163.2)
HG-50GNBS (P54×36)					70×54	54×36				
	Wheel:Reinforced Nylon Tread:Reinforced Nylon									
HG-65GNBS		65	38	92	90×90	71×71	10.5	22	67	300(306.0)
HG-75GNBS				106						320(326.4)
	Wheel:Reinforced Nylon Tread:Reinforced Nylon(including B)									
HG-50MCS		50	25	68	64×64	50×50	6.5	25	65	160(163.2)
	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon									
HG-65MCS		65	38	92	90×90	71×71	10.5	22	67	300(306.0)
HG-75MCS				106						320(326.4)
	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon(including B)									
HG-50MCES		50	25	68	64×64	50×50	6.5	25	65	160(163.2)
	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon									
HG-65MCES		65	38	92	90×90	71×71	10.5	22	67	300(306.0)
HG-75MCES				106						320(326.4)
	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon(including B)									
HG-65PBS		65	38	92	90×90	71×71	10.5	22	67	300(306.0)
HG-75PBS				106						320(326.4)
	Wheel:Phenol Tread:Phenol(including B)									

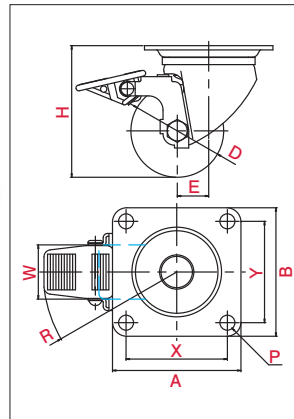
# SUS-HG-S

φ 50 65 75

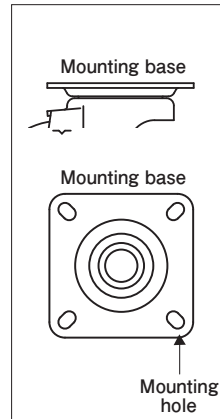
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



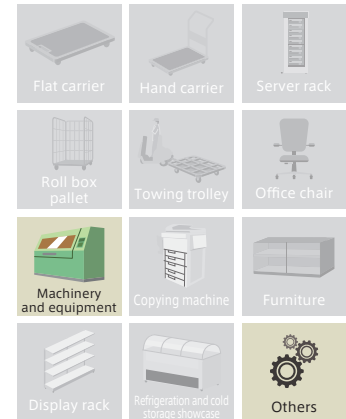
•External dimensions










•Mounting Method (Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-HG-50GNBS	 Wheel:Reinforced Nylon Tread:Reinforced Nylon	50	28	68	64×64	50×50	6.5	25	65	120(122.4)
SUS-HG-65GNBS	 Wheel:Reinforced Nylon Tread:Reinforced Nylon(including B)	65	38	92	90×90	71×71	10.5	22	94	230(234.6)
SUS-HG-75GNBS		75		106					96	250(255.0)
SUS-HG-50MCS	 Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon	50	25	68	64×64	50×50	6.5	25	65	120(122.4)
SUS-HG-65MCS	 Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon(including B)	65	38	92	90×90	71×71	10.5	22	94	230(234.6)
SUS-HG-75MCS		75		106					96	250(255.0)
SUS-HG-50MCES	 Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon	50	25	68	64×64	50×50	6.5	25	65	120(122.4)
SUS-HG-65MCES	 Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon(including B)	65	38	92	90×90	71×71	10.5	22	94	230(234.6)
SUS-HG-75MCES		75		106					96	250(255.0)
SUS-HG-65PBS	 Wheel:Phenol Tread:Phenol(including B)	65	38	92	90×90	71×71	10.5	22	94	230(234.6)
SUS-HG-75PBS		75		106					96	250(255.0)

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

HEAVY STAR (For Heavy Duty, For Low Profile)/H-type

HG-W

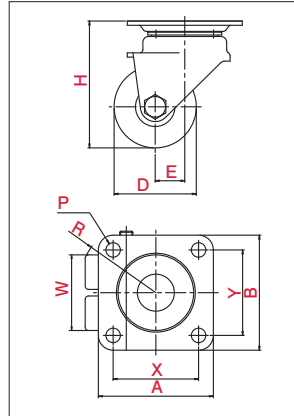
φ 38 50

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



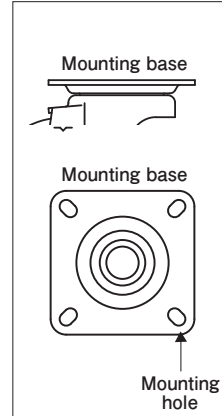
HG-50BN-W

## •External dimensions

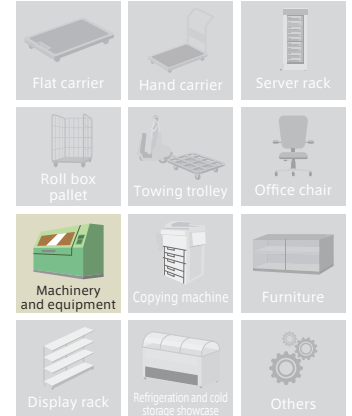



\*The Picture is a typical product image.

## •Mounting Method(Plate Type)



## •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
HG-38BN-W		38	46	64	70×70	52×52	8.8	18	44	120(122.4)
HG-50BN-W		50		77					49	150(153.0)
	Wheel:Nylon(Black) Tread:Nylon(Black)									

# HEAVY STAR (For Heavy Duty, For Low Profile)/H-type

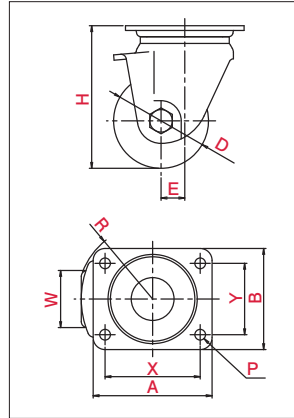
# UHG

φ 50 65 75 80 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

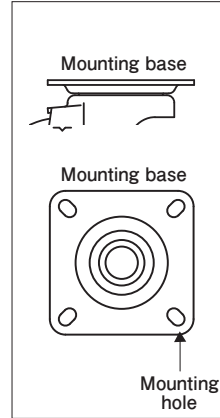


### External dimensions

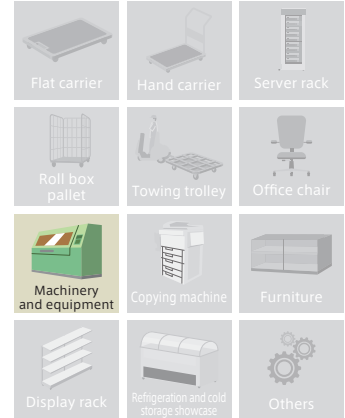


\*The Picture is a typical product image.

### Mounting Method(Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
UHG-50GFB		50	38	79	84×84	64×64	8.5	12	49	300(306.0)
UHG-65GFB		65	48	97	100×100	78×78	10.5	14	54	400(408.0)
UHG-75GFB		75		107						500(510.0)
Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)										
UHG-50MC		50	38	79	84×84	64×64	8.5	12	49	400(408.0)
UHG-65MC		65	48	97	100×100	78×78	10.5	14	54	600(612.0)
UHG-75MC		75		107						700(714.0)
UHG-80MC		80		120						100×85
UHG-100MC	100	140	150×110	121×59	13.0	72				
Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)										
UHG-50MCE		50	38	79	84×84	64×64	8.5	12	49	400(408.0)
UHG-65MCE		65	48	97	100×100	78×78	10.5	14	54	600(612.0)
UHG-75MCE		75		107						700(714.0)
Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)										
UHG-50PB		50	38	79	84×84	64×64	8.5	12	49	400(408.0)
UHG-65PB		65	48	97	100×100	78×78	10.5	14	54	500(510.0)
UHG-75PB		75		107						600(612.0)
Wheel: Phenol Tread: Phenol (including B)										

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# HEAVY STAR (For Heavy Duty, For Low Profile)/H-type

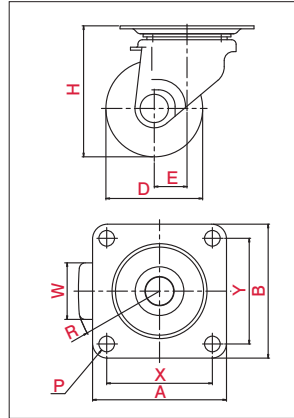
# CAL-HG

φ 65 75

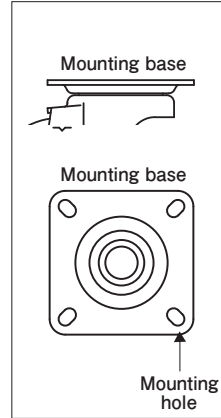
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



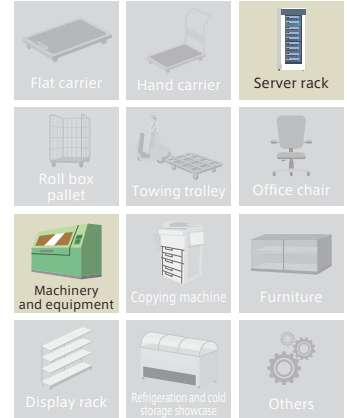
### External dimensions



### Mounting Method (Plate Type)



### Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
CAL-HG-65GNB		65	38	88	90×90	71×71	10.5	22	57	300(306.0)
CAL-HG-75GNB		75		98					61	
	Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)									
CAL-HG-65MC		65	38	88	90×90	71×71	10.5	22	57	300(306.0)
CAL-HG-75MC		75		98					61	
	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)									
CAL-HG-65MCE		65	38	88	90×90	71×71	10.5	22	57	300(306.0)
CAL-HG-75MCE		75		98					61	
	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)									
CAL-HG-65AU		65	38	88	90×90	71×71	10.5	22	57	300(306.0)
CAL-HG-75AU		75		98					61	
	Wheel: Aluminum Tread: Urethane (including B)									
CAL-HG-65PB		65	38	88	90×90	71×71	10.5	22	57	300(306.0)
CAL-HG-75PB		75		98					61	
	Wheel: Phenol Tread: Phenol (including B)									



HEAVY STAR (For Heavy Duty, For Low Profile)/H-type

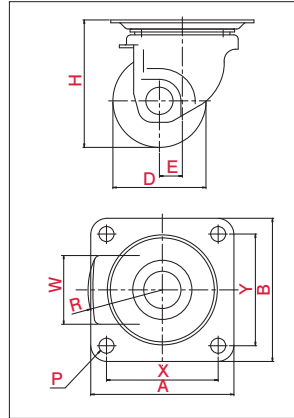
# CAL-UHG

φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

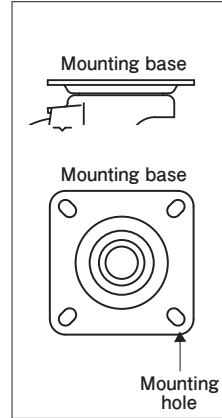


•External dimensions

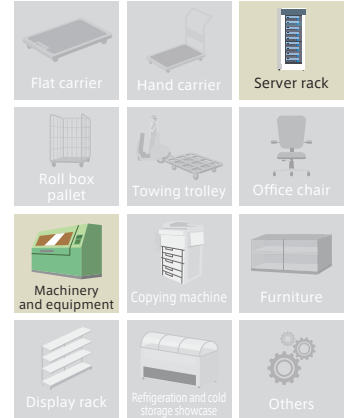


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	
CAL-UHG-50GFB		50	38	74	84×84	64×64	8.5	14	42	300(306.0)	
CAL-UHG-65GFB		65	48	89	100×100	78×78	10.5	16	52	400(408.0)	
CAL-UHG-75GFB		75		99					57	500(510.0)	
	Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)										
CAL-UHG-50MC		50	38	74	84×84	64×64	8.5	14	42	400(408.0)	
CAL-UHG-65MC		65	48	89	100×100	78×78	10.5	16	52	600(612.0)	
CAL-UHG-75MC		75		99					57	700(714.0)	
	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)										
CAL-UHG-50MCE		50	38	74	84×84	64×64	8.5	14	42	400(408.0)	
CAL-UHG-65MCE		65	48	89	100×100	78×78	10.5	16	52	600(612.0)	
CAL-UHG-75MCE		75		99					57	700(714.0)	
	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)										
CAL-UHG-50PB		50	38	74	84×84	64×64	8.5	14	42	400(408.0)	
CAL-UHG-65PB		65	48	89	100×100	78×78	10.5	16	52	500(510.0)	
CAL-UHG-75PB		75		99					57	600(612.0)	
	Wheel: Phenol Tread: Phenol (including B)										

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# HEAVY STAR (For Heavy Duty, For Low Profile)/H-type

# HGL

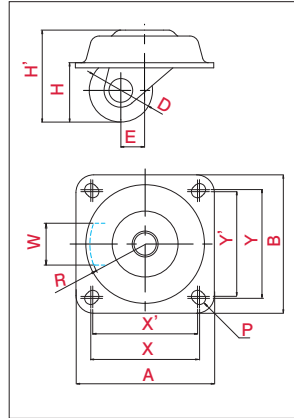
φ 32

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



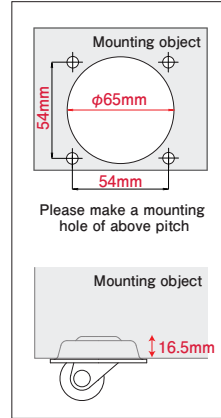
HGL-32GNB

### External dimensions

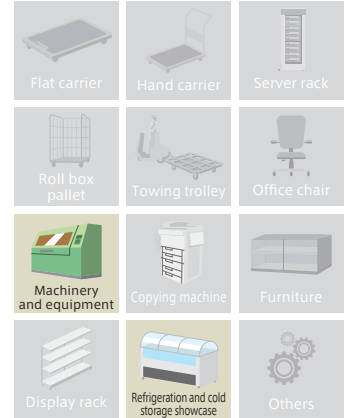


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H / H')[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y'))[mm]	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
HGL-32GNB	 Wheel: Reinforced Nylon Tread: Reinforced Nylon	32	21	30 / 46.5	70×70	55×55 (53×53)	6.2	12	29	120 (122.4)

•We have specific spanner for castor wheel. Please purchase separately. 19×21mm wrench

# HEAVY STAR (For Heavy Duty, For Low Profile)/H-type

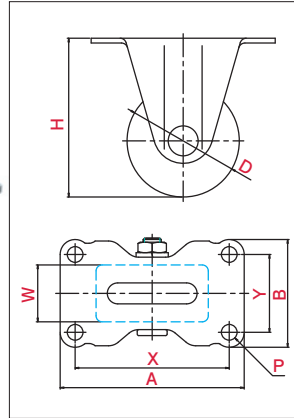
# HR

φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

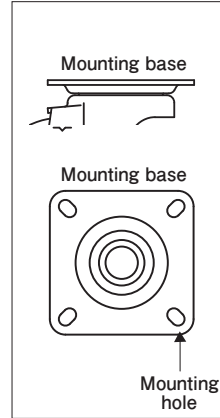


### External dimensions

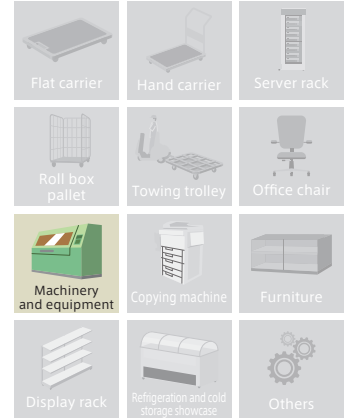


\*The Picture is a typical product image.

### Mounting Method(Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
HR-50GNB		50	28	68	80×50	66×36	6.5			160(163.2)
	Wheel:Reinforced Nylon Tread:Reinforced Nylon									
HR-65GNB		65	38	92	111×67	91×47	10.5			300(306.0)
HR-75GNB		75		106	123×72	103×52		320(326.4)		
	Wheel:Reinforced Nylon Tread:Reinforced Nylon(including B)									
HR-50MC		50	25	68	80×50	66×36	6.5			160(163.2)
	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon									
HR-65MC		65	38	92	111×67	91×47	10.5			300(306.0)
HR-75MC		75		106	123×72	103×52		320(326.4)		
	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon(including B)									
HR-50MCE		50	25	68	80×50	66×36	6.5			160(163.2)
	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon									
HR-65MCE		65	38	92	111×67	91×47	10.5			300(306.0)
HR-75MCE		75		106	123×72	103×52		320(326.4)		
	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon(including B)									
HR-65AU		65	38	92	111×67	91×47	10.5			300(306.0)
HR-75AU		75		106	123×72	103×52		320(326.4)		
	Wheel:Aluminum Tread:Urethane(including B)									
HR-65PB		65	38	92	111×67	91×47	10.5			300(306.0)
HR-75PB		75		106	123×72	103×52		320(326.4)		
	Wheel:Phenol Tread:Phenol(including B)									

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

HEAVY STAR (For Heavy Duty, For Low Profile, Stainless Steel)/H-type

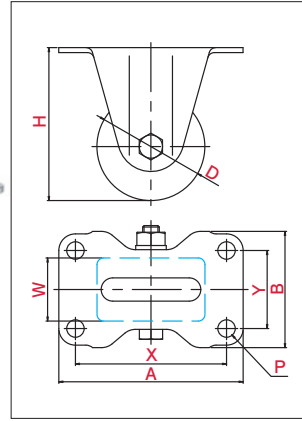
# SUS-HR

φ 50 65 75

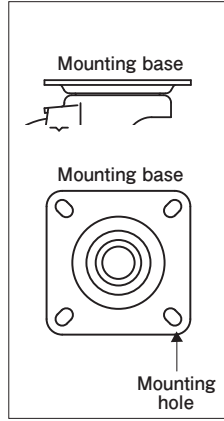
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)		Stainless
Single Bearing	Double Bearing	
Single stopper	Double stopper	



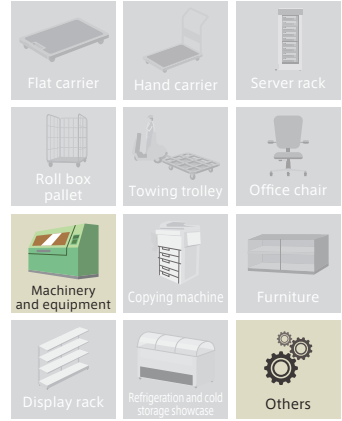
•External dimensions



•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-HR-50GNB	Wheel:Reinforced Nylon Tread:Reinforced Nylon	50	28	68	80×50	66×36	6.5			120(122.4)
SUS-HR-65GNB	Wheel:Reinforced Nylon Tread:Reinforced Nylon(including B)	65	38	92	111×70	91×47	10.5			230(234.6)
SUS-HR-75GNB		75		106	123×72	103×52		250(255.0)		
SUS-HR-50MC	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon	50	25	68	80×50	66×36	6.5			120(122.4)
SUS-HR-65MC	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon(including B)	65	38	92	111×70	91×47	10.5			230(234.6)
SUS-HR-75MC		75		106	123×72	103×52		250(255.0)		
SUS-HR-50MCE	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon	50	25	68	80×50	66×36	6.5			120(122.4)
SUS-HR-65MCE	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon(including B)	65	38	92	111×70	91×47	10.5			230(234.6)
SUS-HR-75MCE		75		106	123×72	103×52		250(255.0)		
SUS-HR-65PB	Wheel:Phenol Tread:Phenol(including B)	65	38	92	111×70	91×47	10.5			230(234.6)
SUS-HR-75PB		75		106	123×72	103×52		250(255.0)		

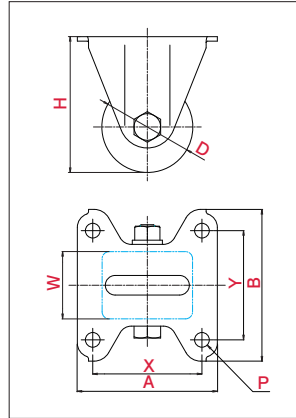
# UHR

φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

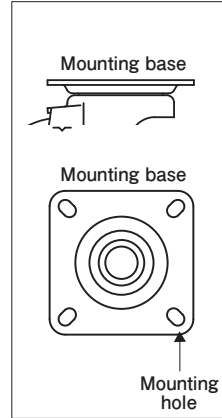


•External dimensions

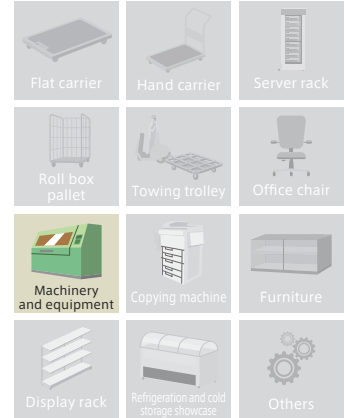


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
UHR-50GFB		50	38	79	90×85	64×64	8.5			300(306.0)
UHR-65GFB		65	48	97	108×100	78×78	10.5			400(408.0)
UHR-75GFB		75		107						500(510.0)
UHR-50MC		50	38	79	90×85	64×64	8.5			400(408.0)
UHR-65MC		65	48	97	108×100	78×78	10.5			600(612.0)
UHR-75MC		75		107						700(714.0)
UHR-50MCE		50	38	79	90×85	64×64	8.5			400(408.0)
UHR-65MCE		65	48	97	108×100	78×78	10.5			600(612.0)
UHR-75MCE		75		107						700(714.0)
UHR-50PB		50	38	79	90×85	64×64	8.5			400(408.0)
UHR-65PB		65	48	97	108×100	78×78	10.5			500(510.0)
UHR-75PB		75		107						600(612.0)

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

HEAVY STAR (For Heavy Duty, For Low Profile)/H-type

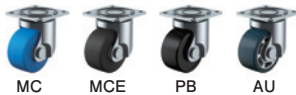
HSG

φ 50 65 75

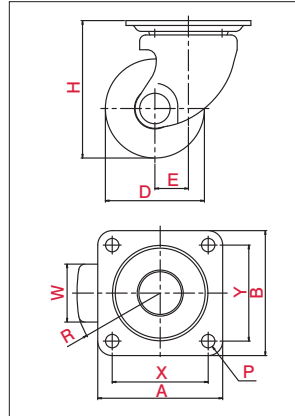
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



HSG-75GNB

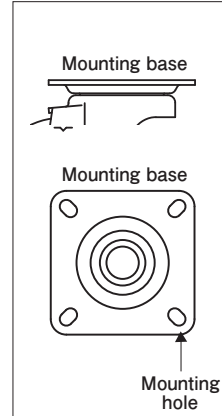


## •External dimensions

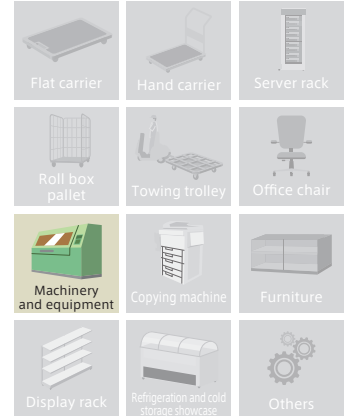


\*The Picture is a typical product image.

## •Mounting Method(Plate Type)



## •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
HSG-50GFB		50	38	79	82×82	63×63	8.8	22	49	300(306.0)
HSG-65GNB		65		90					57	
HSG-75GNB		75		100					61	
HSG-50MC		50	38	79	82×82	63×63	8.8	22	49	300(306.0)
HSG-65MC		65		90					57	
HSG-75MC		75		100					61	
HSG-50MCE		50	38	79	82×82	63×63	8.8	22	49	300(306.0)
HSG-65MCE		65		90					57	
HSG-75MCE		75		100					61	
HSG-50PB		50	38	79	82×82	63×63	8.8	22	49	300(306.0)
HSG-65PB		65		90					57	
HSG-75PB		75		100					61	
HSG-65AU		65	38	90	82×82	63×63	8.8	22	57	300(306.0)
HSG-75AU		75		100					61	

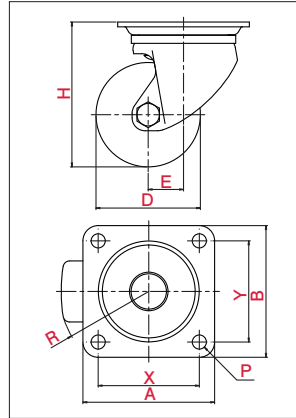
# SUS-HSG

φ 50 65 75

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single stopper	Double stopper

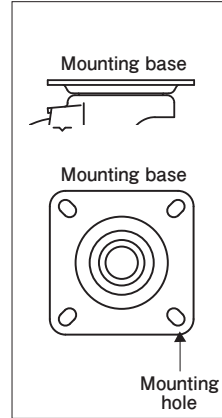


•External dimensions



\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-HSG-50GFB		50	38	79	82×82	63×63	8.8	22	49	250(255.0)
SUS-HSG-65GNB		65		90					56	
SUS-HSG-75GNB		75		100					61	
Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)										
SUS-HSG-50MC		50	38	79	82×82	63×63	8.8	22	49	250(255.0)
SUS-HSG-65MC		65		90					56	
SUS-HSG-75MC		75		100					61	
Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)										
SUS-HSG-50MCE		50	38	79	82×82	63×63	8.8	22	49	250(255.0)
SUS-HSG-65MCE		65		90					56	
SUS-HSG-75MCE		75		100					61	
Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)										
SUS-HSG-50PB		50	38	79	82×82	63×63	8.8	22	49	250(255.0)
SUS-HSG-65PB		65		90					56	
SUS-HSG-75PB		75		100					61	
Wheel: Phenol Tread: Phenol (including B)										

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKV-type

SILENT-type

OTHER

# HEAVY STAR (For Heavy Duty, For Low Profile)/H-type

# HT

## φ 50 65 75

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

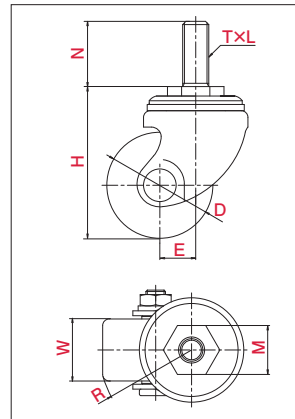


HT-50GNB, M20 × 40

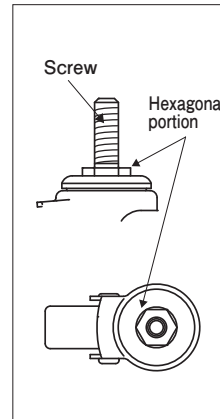


HT-75GNB, M20 × 40

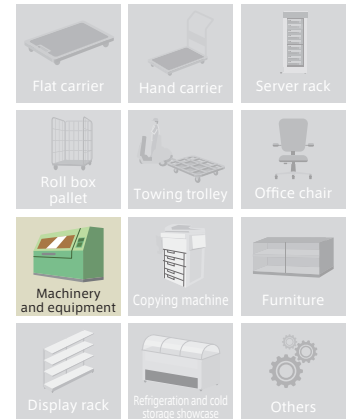
### External dimensions



### Mounting Method (Screw-in Type)



### Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
HT-50GNB, M16 × 40		50	28	74	M16	2	40	23	25	51	100(102.0)
HT-50GNB, M20 × 40					M20	2.5		30			
Wheel: Reinforced Nylon Tread: Reinforced Nylon											
HT-65GNB, M16 × 40		65	38	93	M16	2	40	30	22	57	150(153.0)
HT-65GNB, M20 × 40				M20	2.5						
HT-75GNB, M16 × 40				107	M16	2					
HT-75GNB, M20 × 40				M20	2.5						
Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)											
HT-50MC, M16 × 40		50	25	74	M16	2	40	23	25	51	100(102.0)
HT-50MC, M20 × 40					M20	2.5		30			
Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon											
HT-65MC, M16 × 40		65	38	93	M16	2	40	30	22	57	150(153.0)
HT-65MC, M20 × 40				M20	2.5						
HT-75MC, M16 × 40				107	M16	2					
HT-75MC, M20 × 40				M20	2.5						
Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)											
HT-50MCE, M16 × 40		50	25	74	M16	2	40	23	25	51	100(102.0)
HT-50MCE, M20 × 40					M20	2.5		30			
Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon											
HT-65MCE, M16 × 40		65	38	93	M16	2	40	30	22	57	150(153.0)
HT-65MCE, M20 × 40				M20	2.5						
HT-75MCE, M16 × 40				107	M16	2					
HT-75MCE, M20 × 40				M20	2.5						
Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)											
HT-65AU, M16 × 40		65	38	93	M16	2	40	30	22	57	150(153.0)
HT-65AU, M20 × 40				M20	2.5						
HT-75AU, M16 × 40				107	M16	2					
HT-75AU, M20 × 40				M20	2.5						
Wheel: Aluminum Tread: Urethane (including B)											
HT-65PB, M16 × 40		65	38	93	M16	2	40	30	22	57	150(153.0)
HT-65PB, M20 × 40				M20	2.5						
HT-75PB, M16 × 40				107	M16	2					
HT-75PB, M20 × 40				M20	2.5						
Wheel: Phenol Tread: Phenol (including B)											

•We have specific spanner for castor wheel.  
Please purchase separately.

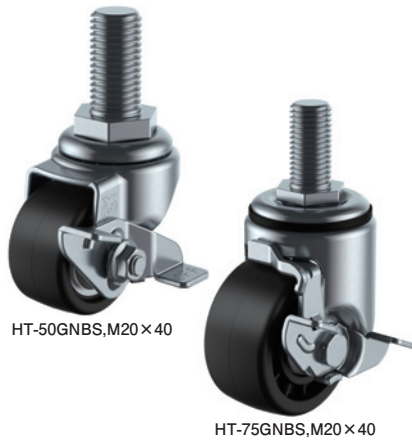
21×23mm wrench  
30mm flat wrench



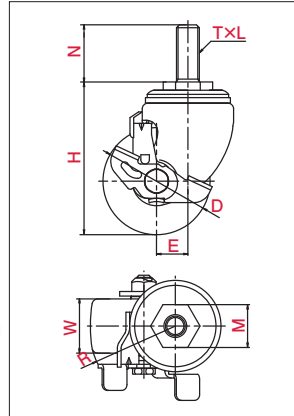
# HT-S

φ 50 65 75

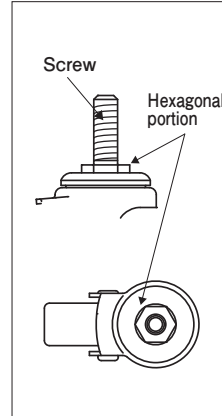
Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper



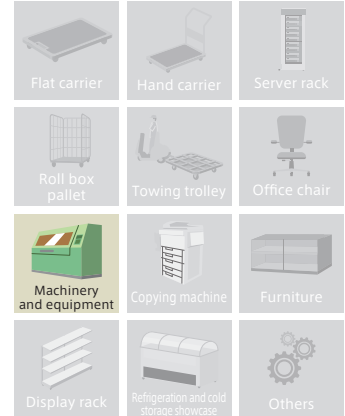
•External dimensions



•Mounting Method (Screw-in Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
HT-50GNBS, M16 x 40		50	28	74	M16	2	40	23	25	65	100(102.0)
HT-50GNBS, M20 x 40					M20	2.5		30			
	Wheel: Reinforced Nylon Tread: Reinforced Nylon										
HT-65GNBS, M16 x 40		65	38	93	M16	2	40	30	22	67	150(153.0)
HT-65GNBS, M20 x 40				M20	2.5						
HT-75GNBS, M16 x 40				107	M16	2					
HT-75GNBS, M20 x 40				M20	2.5						
	Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)										
HT-50MCS, M16 x 40		50	25	74	M16	2	40	23	25	65	100(102.0)
HT-50MCS, M20 x 40					M20	2.5		30			
	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon										
HT-65MCS, M16 x 40		65	38	93	M16	2	40	30	22	67	150(153.0)
HT-65MCS, M20 x 40				M20	2.5						
HT-75MCS, M16 x 40				107	M16	2					
HT-75MCS, M20 x 40				M20	2.5						
	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)										
HT-50MCES, M16 x 40		50	25	74	M16	2	40	23	25	65	100(102.0)
HT-50MCES, M20 x 40					M20	2.5		30			
	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon										
HT-65MCES, M16 x 40		65	38	93	M16	2	40	30	22	67	150(153.0)
HT-65MCES, M20 x 40				M20	2.5						
HT-75MCES, M16 x 40				107	M16	2					
HT-75MCES, M20 x 40				M20	2.5						
	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)										
HT-65PBS, M16 x 40		65	38	93	M16	2	40	30	22	67	150(153.0)
HT-65PBS, M20 x 40				M20	2.5						
HT-75PBS, M16 x 40				107	M16	2					
HT-75PBS, M20 x 40				M20	2.5						
	Wheel: Phenol Tread: Phenol (including B)										

•We have specific spanner for caster wheel. Please purchase separately.

21x23mm wrench  
30mm flat wrench

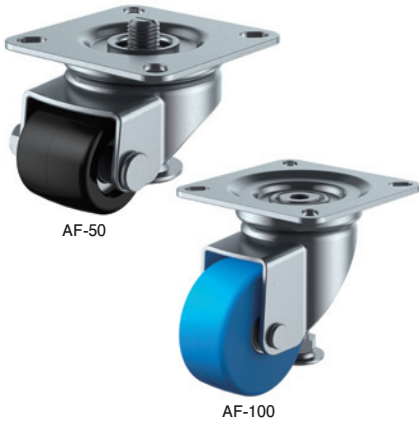
G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# HEAVY STAR (For Heavy Duty, With adjuster function)/AF-type

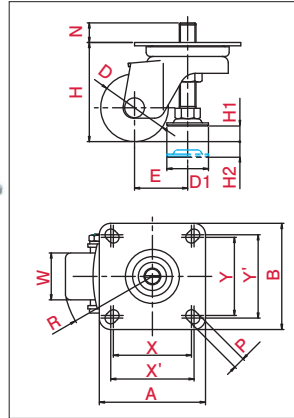
# AF

φ 50 65 75 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

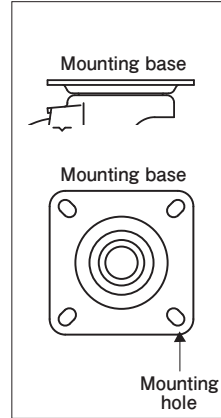


### External dimensions

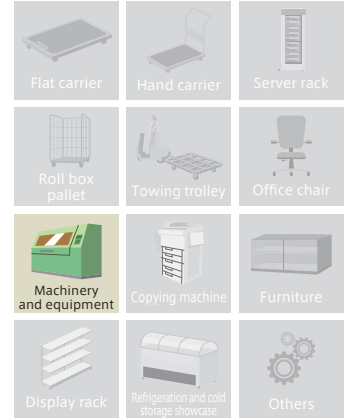


\*The Picture is a typical product image.

### Mounting Method(Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	Length (N[mm])	Outer Diameter (D1[mm])	Adjust amount (H1 / H2[mm])
AF-50		50	45	74	102×102	80×80(75×75)	11	46	73	250(255.0)	19.6	40	15 / 15
AF-65		65		95				51	84		18.8		
	Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)												
AF-75		75	45	120	140×140	115×115(105×105)	11.5	56	95	300(306.0)		40	15 / 15
AF-100		100		145				65	116				
	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)												

# HG-AF

φ 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

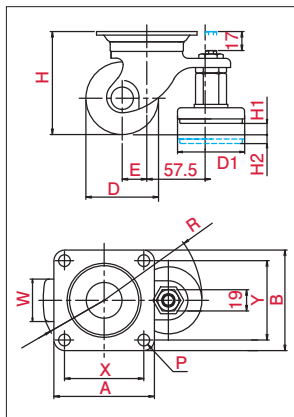


HG-75GNB-AF



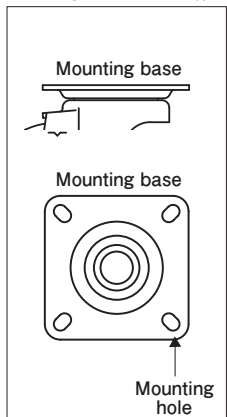
MC MCE AU PB

•External dimensions

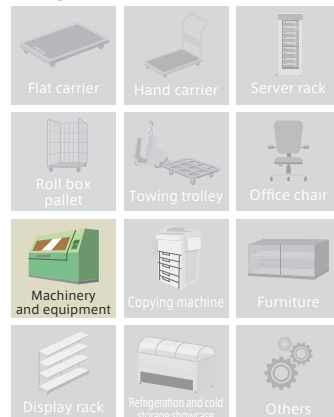


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	Outer Diameter (D1[mm])	Adjust amount (H1 / H2[mm])
HG-65GNB-AF		65	38	92	90×90	71×71	10.5	22	88	300(306.0)	60	10 / 8
HG-75GNB-AF		75		106						320(326.4)		15 / 10
Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)												
HG-65MC-AF		65	38	92	90×90	71×71	10.5	22	88	300(306.0)	60	10 / 8
HG-75MC-AF		75		106						320(326.4)		15 / 10
Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)												
HG-65MCE-AF		65	38	92	90×90	71×71	10.5	22	88	300(306.0)	60	10 / 8
HG-75MCE-AF		75		106						320(326.4)		15 / 10
Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)												
HG-65AU-AF		65	38	92	90×90	71×71	10.5	22	88	300(306.0)	60	10 / 8
HG-75AU-AF		75		106						320(326.4)		15 / 10
Wheel: Aluminum Tread: Urethane (including B)												
HG-65PB-AF		65	38	92	90×90	71×71	10.5	22	88	300(306.0)	60	10 / 8
HG-75PB-AF		75		106						320(326.4)		15 / 10
Wheel: Phenolic Tread: Phenolic (including B)												

# OFFICESTAR

Useful for daily life.

Double wheel model which supports comfortable moving.



LINEUP  
•OTHER

# OFFICESTAR

## FOR OFFICE SUPPLY

OFFICESTAR is suitable caster pursued a lightly moving comfort oriented for office equipment.

The double wheel caster is suitable for office equipment and copy machine.



### POINT Multipurpose castors active in every scene of the office

•We introduce nylon material. it is easy to carry soft floor more smooth.



#### What for use

- AV rack
- Cabinet
- Meeting table
- Caster table
- Office chair
- Strage case
- Hanger rack
- Book wagon
- File wagon
- Printer wagon
- Partition
- White board other



Double wheel caster

Caster with two wheels line up in parallel. The presence of two wheels reduces the load on one wheel, less starting resistance and turn is smooth

#### •3 types of mouting

##### ①Plate type



##### ②Bolt type

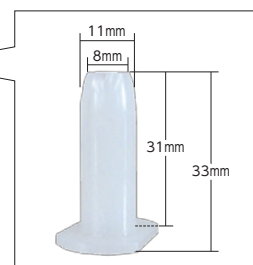


##### ③Insertion type



※ Please refer P279 how to mount

#### •Fixed plug anchor (Sold separately)

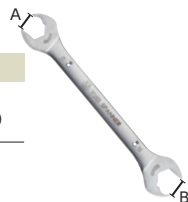


### Caster special spanner



#### YUEI SPANNER

Product No.	(A)(mm)	(B)(mm)	Material	Steel thickness (mm)
YUEI SPANNER	19	21	Chrome vanadium steel	3.5 (grip part 6.5mm)



#### Double ended spanner

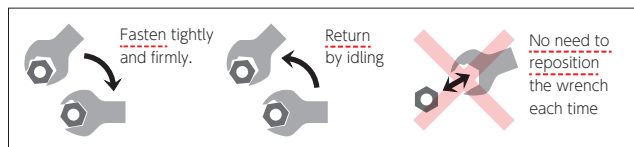
Product No.	(A)(mm)	(B)(mm)	Material	Steel thickness (mm)
19x21mm wrench	19	21	Steel	3
21x23mm wrench	21	23	Steel	3

#### Single open spanner

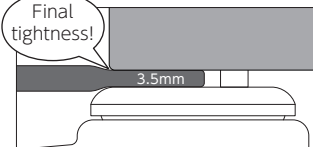
Product No.	(A)(mm)	Material	Steel thickness (mm)
8mm flat wrench	8	Steel	2
10mm flat wrench	10	Steel	2
12mm flat wrench	12	Steel	2
13mm flat wrench	13	Steel	2
14mm flat wrench	14	Steel	2
17mm flat wrench	17	Steel	2
30mm flat wrench	30	Steel	2



By the ratchet function, work efficiency is greatly UP!



Fasten tightly to the end with a thickness of 3.5 mm



Using high hardness Chrome vanadium steel

## LINE UP

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### P

P.166

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P50G/HG  
P-60G  
P50-GS/HGS  
P-60GS  
[M12×22]  
P-50T/HT  
P-60T  
P-50TS/HTS  
P-60TS

### PT

P.167–P.168

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PT-40G  
PT-50G  
PT-40GS  
PT-50GS  
[M8×15]  
PT-40T  
PT-40TS  
PT-50T  
PT-50TS  
[M12×14]  
PT-40T  
PT-40TS  
PT-50T  
PT-50TS  
[W3/8×15]  
PT-40T  
PT-40TS  
PT-50T  
PT-50TS  
PT-40N  
PT-50N  
PT-40NS  
PT-50NS

### SPECIAL $\phi 75$

P.169

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Plastic caster  $\phi 75$

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# OFFICESTAR (For Office Equipment) / OTHER-type

# P

## φ 50 60

Swivel		Fixed
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

### Usage



P-60G

P-60GS

P-60T, M12x22

P-60TS, M12x22

\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (mm)	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
-------------	-------	------------------------	---------------------	-------------------------	--------------------	-------------------------------	-----------------------	----------------------	------------------------	----------------------------

### Plate Type

P-50G	 Wheel: Nylon Tread: Nylon	50	49	65		40	5.5	17	46	60 (61.2)
P-50HG		60	55	79					55	
P-60G										

### Plate Type with a stopper

P-50GS	 Wheel: Nylon Tread: Nylon	50	49	65		40	5.5	17	48	60 (61.2)
P-50HGS		60	55	79					67	
P-60GS										

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
-------------	-------	------------------------	---------------------	-------------------------	-------------------	-----------------	----------------------	-----------------------	----------------------	------------------------	----------------------------

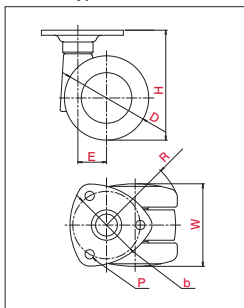
### Screw-in Type

P-50T, M12x22	 Wheel: Nylon Tread: Nylon	50	49	57.5	M12	1.75	22	17	17	46	60 (61.2)
P-50HT, M12x22		60	55	73						55	
P-60T, M12x22											

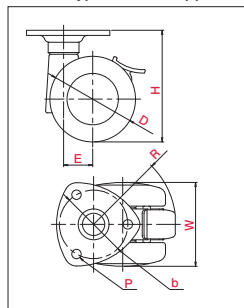
### Screw-in Type with a stopper

P-50TS, M12x22	 Wheel: Nylon Tread: Nylon	50	49	57.5	M12	1.75	22	17	17	48	60 (61.2)
P-50HTS, M12x22		60	55	73						67	
P-60TS, M12x22											

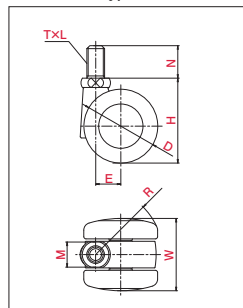
### External dimensions [Plate Type]



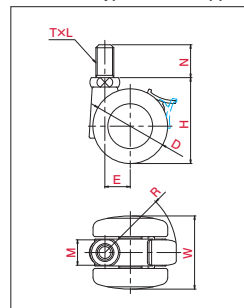
### External dimensions [Plate Type with a stopper]



### External dimensions [Screw-in Type]



### External dimensions [Screw-in Type with a stopper]



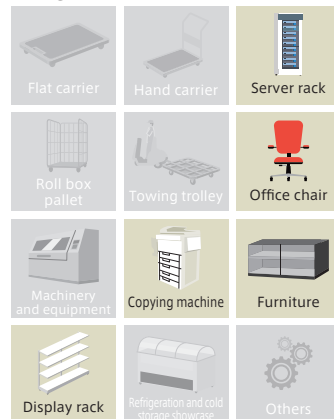


# PT

φ 40 50 60

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

•Usage



PT-40G



PT-40GS



PT-50T,M8x15



PT-40NS

\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (AxB[mm])	Mounting dimensions (XxY[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
-------------	-------	------------------------	---------------------	-------------------------	-------------------------	-------------------------------	-----------------------	----------------------	------------------------	----------------------------

## Plate Type

PT-40G	 Wheel:Nylon Tread:Nylon	40	40.5	55	38x38	25.4x25.4	5.1	15	43	20(20.4)
PT-50G		50	45	65				18	51	30(30.6)

## Plate Type with a stopper

PT-40GS	 Wheel:Nylon Tread:Nylon	40	40.5	55	38x38	25.4x25.4	5.1	15	47	20(20.4)
PT-50GS		50	45	65				18	57	30(30.6)

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
-------------	-------	------------------------	---------------------	-------------------------	-------------------	-----------------	----------------------	-----------------------	----------------------	------------------------	----------------------------

## Screw-in Type

PT-40T,M8x15	 Wheel:Nylon Tread:Nylon	40	40.5	50	M8	1.25	15	12.7	15	43	20(20.4)
PT-40T,M12x14				52	M12		14	19			
PT-40T,W3/8x15				50	W3/8		16	15			
PT-50T,M8x15		50	45	60	M8	1.25	15	12.7	18	51	30(30.6)
PT-50T,M12x14				62	M12		14	19			
PT-50T,W3/8x15				60	W3/8		16	15			


## Screw-in Type with a stopper

PT-40TS,M8x15	 Wheel:Nylon Tread:Nylon	40	40.5	50	M8	1.25	15	12.7	15	47	20(20.4)
PT-40TS,M12x14				52	M12		14	19			
PT-40TS,W3/8x15				50	W3/8		16	15			
PT-50TS,M8x15		50	45	60	M8	1.25	15	12.7	18	57	30(30.6)
PT-50TS,M12x14				62	M12		14	19			
PT-50TS,W3/8x15				60	W3/8		16	15			


# OFFICESTAR (For Office Equipment) / OTHER-type PT

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Pipe Diameter (d[mm])	Axis Length (L[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
-------------	-------	------------------------	---------------------	-------------------------	-----------------------	---------------------	-----------------------	----------------------	------------------------	----------------------------

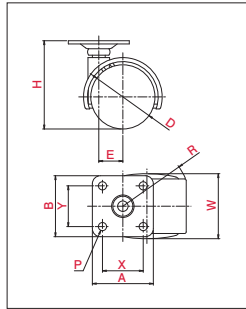
## Insertion Type

PT-40N	 Wheel: Nylon Tread: Nylon	40	40.5	49	8	38		15	43	20 (20.4)
PT-50N		50	45	60			18	51	30 (30.6)	

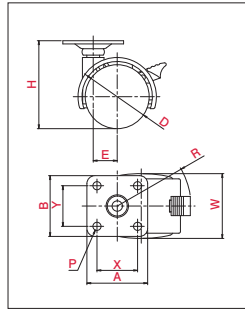
## Insertion Type with a stopper

PT-40NS	 Wheel: Nylon Tread: Nylon	40	40.5	49	8	38		15	47	20 (20.4)
PT-50NS		50	45	60			18	57	30 (30.6)	

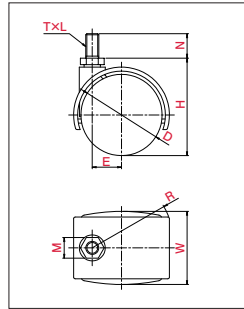
•External dimensions [Plate Type]



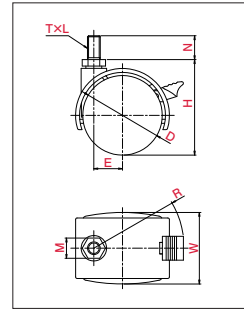
•External dimensions [Plate Type with a stopper]



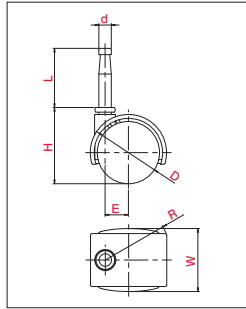
•External dimensions [Screw-in Type]



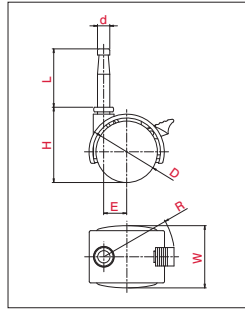
•External dimensions [Screw-in Type with a stopper]



•External dimensions [Insertion Type]



•External dimensions [Insertion Type with a stopper]



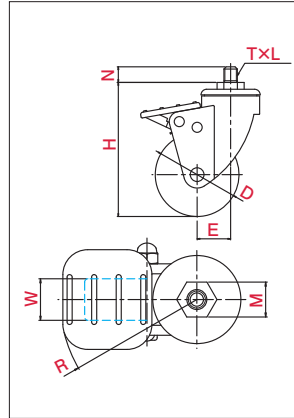
Plastic caster  $\phi 75$

Swivel	Fixed	BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Plate Type	Screw-in Type	Insertion Type	Single Bearing
			Radial Bearing
		Single stopper	Double stopper

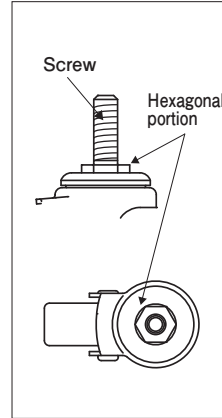


Plastic caste  $\phi 75$ ,  
M12×14

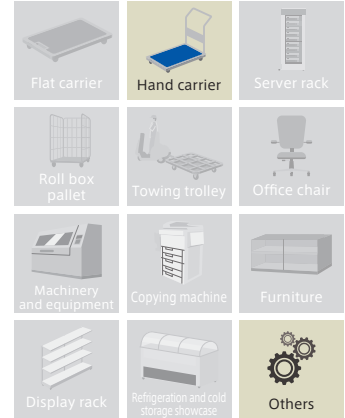
•External dimensions



•Mounting Method(Screw-in Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
Plastic caster $\phi 75$	 Wheel:Nylon Tread:Urethane	75	25	120	M12	1.75	14	21	30	83	60(61.2)

•We have specific spanner for caster wheel.  
Please purchase separately.

YUEI spanner (19×21mm wrench)

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

# SHORTSTAR

Support from low profile and behind-the-scene.  
High spec model with strong durability against heavy load.



LINEUP  
•H-type

# SHORTSTAR

## LOW PROFILE CASTER

Improve low profile & load capacity performance and better handling. SHORTSTAR is one of the best caster which transport heavy duty for big machine.



### POINT. 1 Ultra low profile caster

•By designing low profile caster,In addition to securing space, reduce fall risk. Especially it is suitable for heavy duty transport

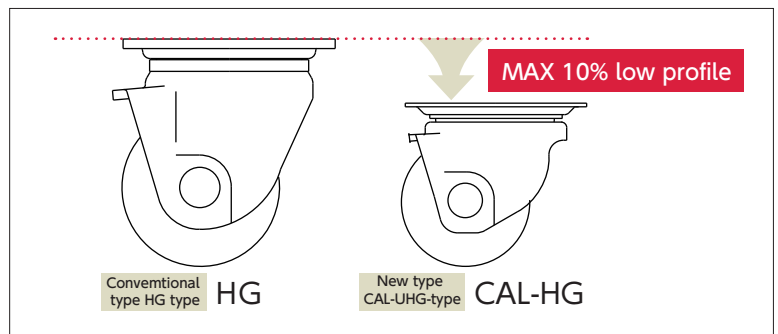
CAL-HG-65MC



Recommendation

CAL-HG / CAL-UHG

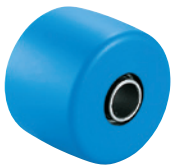
• CAL-UHG realized max 10% low profile than conventional product.



### POINT. 2 Material that realizes high load capacity

•Ideal for long-term fixation of mechanical equipmetn and heavy-duty products.

- ①The bracket fittings are subjected to heat treatment to increase the strength.
- ②The occurrence of permanent distortion is reduced by the wheel material of high hardness.



Monomer cast nylon



ESD Monomer cast nylon



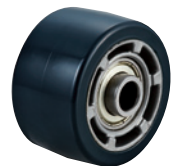
Phenol



Reinforced nylon



Glass fiber reinforced nylon



Urethane

### POINT. 3 Excellent starting performance structure

Recommendation

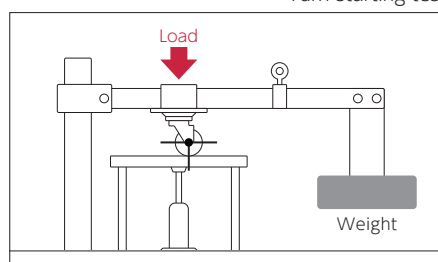
CAL-HG / CAL-UHG

- The structure of the swiveling part is strengthened by the special steel, and the durability at the time of transportation of heavy goods is raised.
- Reduce the force required for turning start by 45% (Compared with other companies) It is excellent startability performance.

Manufacturer	Turning start force		
	300(daN)	500(daN)	600(daN)
own product UHG-65GFB	12.47	20.85	20.93
own product CAL-UHG-65GFB	7.23	11.46	16.76
A	10.63	22.14	30.73
B	11.00	14.18	16.83
C	12.45	15.27	22.53
D	12.12	20.72	24.43

reduce 45% than A

Turn starting test



Using the push-pull gauge, we measure the tensile load of the swiveling and compare the rotational starting forces.

\*It is a performance comparison display based on own research and does not guarantee the value.

## LINE UP

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### LHG

P.174

LHG-40BN  
LHG-50BN

### SUS-HSG

P.187

SUS-HSG-50GFB/MC/MCE/PB  
SUS-HSG-65GNB/MC/MCE/PB  
SUS-HSG-75GNB/MC/MCE/PB

### HG

P.175

HG-50GNB/GNB (P54×36) /MC/MCE  
HG-65GNB/MC/MCE/AU/PB  
HG-75GNB/MC/MCE/AU/PB

### HT

P.188

[M16×40]  
HT-50GNB/MC/MCE  
HT-65GNB/MC/MCE/AU/PB  
HT-75GNB/MC/MCE/AU/PB  
[M20×40]  
HT-50GNB/MC/MCE  
HT-65GNB/MC/MCE/AU/PB  
HT-75GNB/MC/MCE/AU/PB

### SUS-HG

P.176

SUS-HG-50GNB/MC/MCE  
SUS-HG-65GNB/MC/MCE/PB  
SUS-HG-75GNB/MC/MCE/PB

### HT-S

P.189

[M16×40]  
HT-50GNBS/MC/MCE  
HT-65GNBS/MC/MCE/PB  
HT-75GNBS/MC/MCE/PB  
[M20×40]  
HT-50GNBS/MC/MCE  
HT-65GNBS/MC/MCE/PB  
HT-75GNBS/MC/MCE/PB

### HG-S

P.177

HG-50GNBS/GNB (P54×36) /MC/MCE  
HG-65GNBS/MC/MCE/PB  
HG-75GNBS/MC/MCE/PB

### SUS-HG-S

P.178

SUS-HG-50GNBS/MC/MCE  
SUS-HG-65GNBS/MC/MCE/PB  
SUS-HG-75GNBS/MC/MCE/PB

### HG-W

P.179

HG-38BN-W  
HG-50BN-W

### UHG

P.179–P.180

UHG-50GFB/MC/MCE/PB  
UHG-65GFB/MC/MCE/PB  
UHG-75GFB/MC/MCE/PB  
UHG-80MC  
UHG-100MC

### CAL-HG

P.180–P.181

CAL-HG-65GNB/MC/MCE/AU/PB  
CAL-HG-75GNB/MC/MCE/AU/PB

### CAL-UHG

P.181

CAL-UHG-50MC/GFB/MCE/PB  
CAL-UHG-65MC/GFB/MCE/PB  
CAL-UHG-75MC/GFB/MCE/PB

### HGL

P.182

HGL-32GNB

### HR

P.183

HR-50GNB/MC/MCE  
HR-65GNB/MC/MCE/AU/PB  
HR-75GNB/MC/MCE/AU/PB

### SUS-HR

P.184

SUS-HR-50GNB/MC/MCE  
SUS-HR-65GNB/MC/MCE/PB  
SUS-HR-75GNB/MC/MCE/PB

### UHR

P.185

UHR-50GFB/MC/MCE/PB  
UHR-65GFB/MC/MCE/PB  
UHR-75GFB/MC/MCE/PB

### HSG

P.186

HSG-50GFB/MC/MCE/PB  
HSG-65GNB/MC/MCE/AU/PB  
HSG-75GNB/MC/MCE/AU/PB

G-t-type  
L-t-type  
E-t-type  
M-t-type  
S-t-type  
J-t-type  
PM-t-type  
H-t-type  
AF-t-type  
NP-t-type  
SKY-t-type  
SILENT-t-type  
OTHER

# SHORT STAR (For Light Duty, For Low Profile)/H-type

# LHG

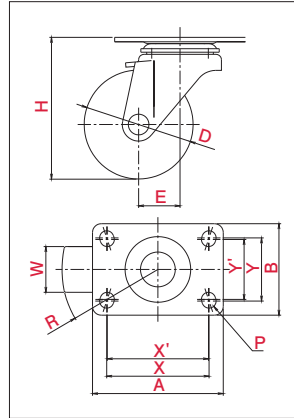
φ 40 50

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



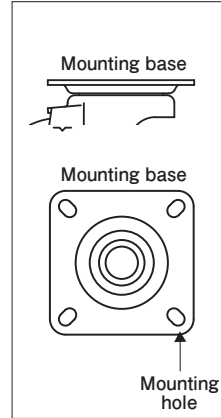
LHG-50BN

### External dimensions

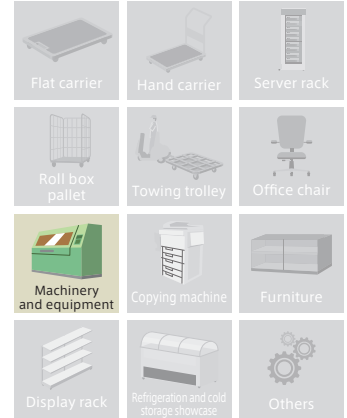



\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y'))[mm]	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
LHG-40BN	 Wheel: Nylon(Black) Tread: Nylon(Black)	40	21	55	54×37	45×26	4.5	19	40	70(71.4)
LHG-50BN		50		65	60×42	47×29(45.5×27.5)	6.5		45	80(81.6)



# SHORT STAR (For Heavy Duty, For Low Profile)/H-type

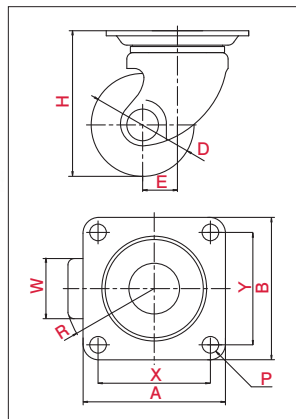
# HG

φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

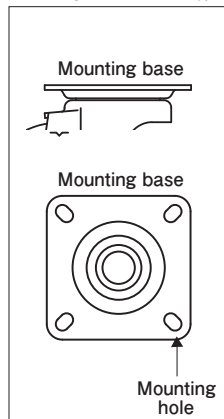


### External dimensions

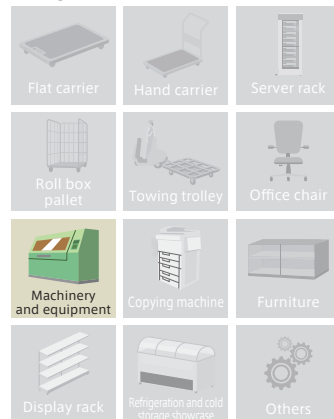


\*The Picture is a typical product image.

### Mounting Method(Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
HG-50GNB		50	28	68	64×64	50×50	6.5	25	51	160(163.2)
HG-50GNB (P54×36)					70×54	54×36				
	Wheel: Reinforced Nylon Tread: Reinforced Nylon									
HG-65GNB		65	38	92	90×90	71×71	10.5	22	57	300(306.0)
HG-75GNB				106					61	
	Wheel: Reinforced Nylon Tread: Reinforced Nylon(including B)									
HG-50MC		50	25	68	64×64	50×50	6.5	25	51	160(163.2)
	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon									
HG-65MC		65	38	92	90×90	71×71	10.5	22	57	300(306.0)
HG-75MC				106					61	
	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon(including B)									
HG-50MCE		50	25	68	64×64	50×50	6.5	25	51	160(163.2)
	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon									
HG-65MCE		65	38	92	90×90	71×71	10.5	22	57	300(306.0)
HG-75MCE				106					61	
	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon(including B)									
HG-65AU		65	38	92	90×90	71×71	10.5	22	57	300(306.0)
HG-75AU				106					61	
	Wheel: Aluminum Tread: Urethane(including B)									
HG-65PB		65	38	92	90×90	71×71	10.5	22	57	300(306.0)
HG-75PB				106					61	
	Wheel: Phenol Tread: Phenol(including B)									

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

SHORT STAR (For Heavy Duty, For Low Profile, Stainless Steel)/H-type

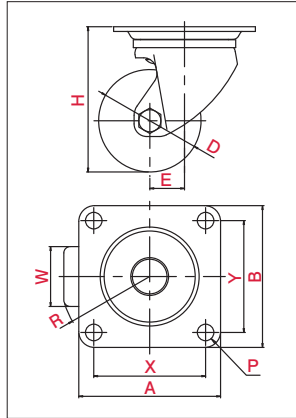
# SUS-HG

φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

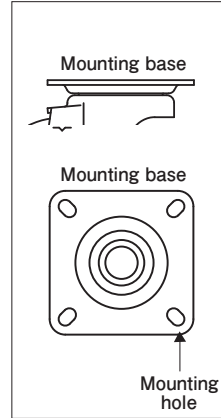


•External dimensions

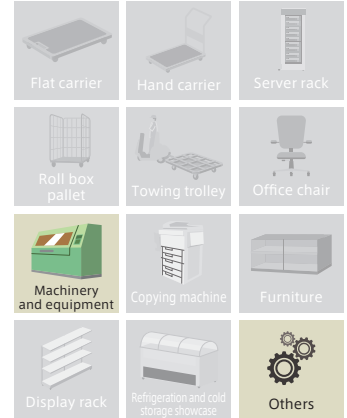


\*The Picture is a typical product image.

•Mounting Method (Plate Type)



•Usage

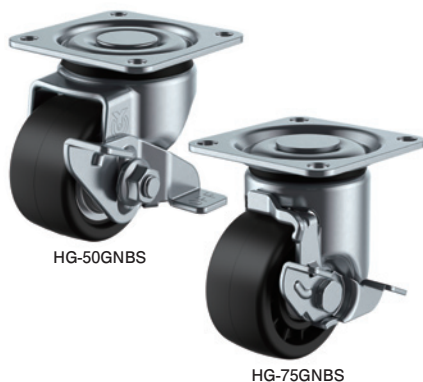


Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-HG-50GNB	 Wheel: Reinforced Nylon Tread: Reinforced Nylon	50	28	68	64×64	50×50	6.5	25	51	120(122.4)
SUS-HG-65GNB	 Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)	65	38	92	90×90	71×71	10.5	22	57	230(234.6)
SUS-HG-75GNB		75		106					61	
SUS-HG-50MC	 Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon	50	25	68	64×64	50×50	6.5	25	51	120(122.4)
SUS-HG-65MC	 Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)	65	38	92	90×90	71×71	10.5	22	57	230(234.6)
SUS-HG-75MC		75		106					61	
SUS-HG-50MCE	 Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon	50	25	68	64×64	50×50	6.5	25	51	120(122.4)
SUS-HG-65MCE	 Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)	65	38	92	90×90	71×71	10.5	22	57	230(234.6)
SUS-HG-75MCE		75		106					61	
SUS-HG-65PB	 Wheel: Phenol Tread: Phenol (including B)	65	38	92	90×90	71×71	10.5	22	57	230(234.6)
SUS-HG-75PB		75		106					61	

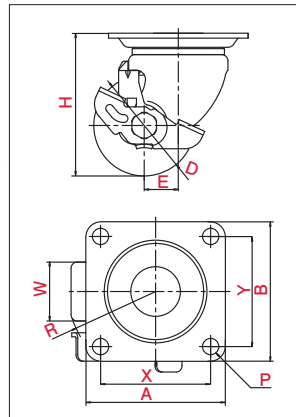
# HG-S

φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

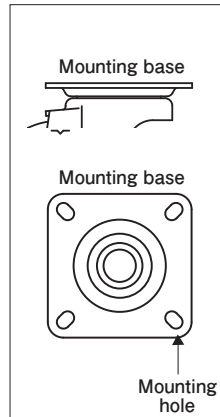


•External dimensions

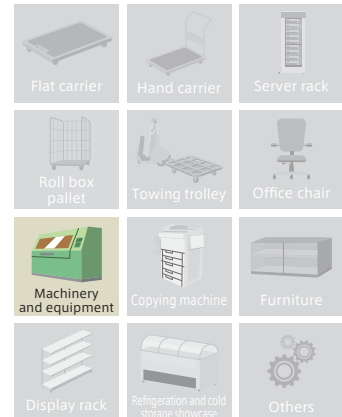


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
HG-50GNBS		50	28	68	64×64	50×50	6.5	25	65	160(163.2)
HG-50GNBS (P54×36)					70×54	54×36				
	Wheel:Reinforced Nylon Tread:Reinforced Nylon									
HG-65GNBS		65	38	92	90×90	71×71	10.5	22	67	300(306.0)
HG-75GNBS				106						320(326.4)
	Wheel:Reinforced Nylon Tread:Reinforced Nylon(including B)									
HG-50MCS		50	25	68	64×64	50×50	6.5	25	65	160(163.2)
	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon									
HG-65MCS		65	38	92	90×90	71×71	10.5	22	67	300(306.0)
HG-75MCS				106						320(326.4)
	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon(including B)									
HG-50MCES		50	25	68	64×64	50×50	6.5	25	65	160(163.2)
	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon									
HG-65MCES		65	38	92	90×90	71×71	10.5	22	67	300(306.0)
HG-75MCES				106						320(326.4)
	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon(including B)									
HG-65PBS		65	38	92	90×90	71×71	10.5	22	67	300(306.0)
HG-75PBS				106						320(326.4)
	Wheel:Phenol Tread:Phenol(including B)									

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

SHORT STAR (For Heavy Duty, For Low Profile, Stainless Steel)/H-type

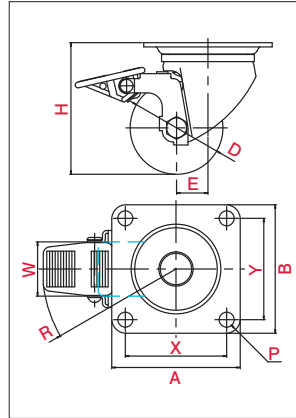
# SUS-HG-S

φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

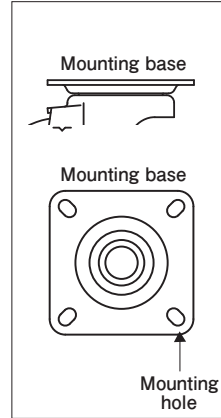


•External dimensions

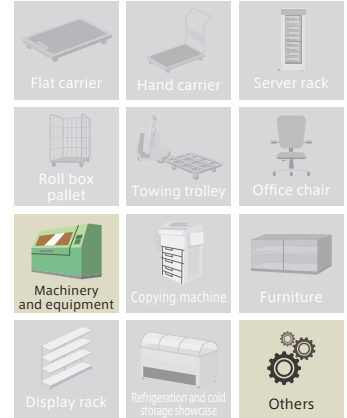


\*The Picture is a typical product image.

•Mounting Method (Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-HG-50GNBS	 Wheel: Reinforced Nylon Tread: Reinforced Nylon	50	28	68	64×64	50×50	6.5	25	65	120 (122.4)
SUS-HG-65GNBS	 Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)	65	38	92	90×90	71×71	10.5	22	94	230 (234.6)
SUS-HG-75GNBS		75		106					96	
SUS-HG-50MCS	 Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon	50	25	68	64×64	50×50	6.5	25	65	120 (122.4)
SUS-HG-65MCS	 Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)	65	38	92	90×90	71×71	10.5	22	94	230 (234.6)
SUS-HG-75MCS		75		106					96	
SUS-HG-50MCES	 Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon	50	25	68	64×64	50×50	6.5	25	65	120 (122.4)
SUS-HG-65MCES	 Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)	65	38	92	90×90	71×71	10.5	22	94	230 (234.6)
SUS-HG-75MCES		75		106					96	
SUS-HG-65PBS	 Wheel: Phenol Tread: Phenol (including B)	65	38	92	90×90	71×71	10.5	22	94	230 (234.6)
SUS-HG-75PBS		75		106					96	

SHORT STAR (For Heavy Duty, For Low Profile)/H-type

# HG-W

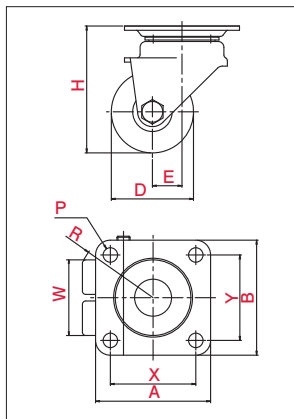
φ 38 50

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



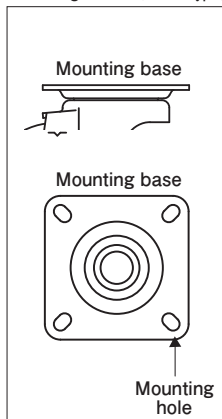
HG-50BN-W

•External dimensions

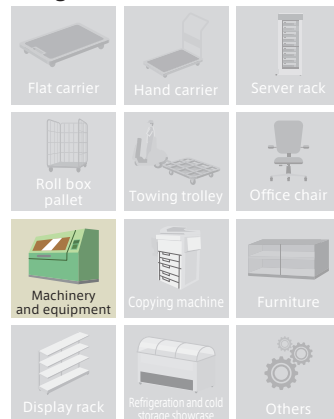



\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
HG-38BN-W		38	46	64	70×70	52×52	8.8	18	44	120(122.4)
HG-50BN-W		50		77					49	
	Wheel: Nylon(Black) Tread: Nylon(Black)									

SHORT STAR (For Heavy Duty, For Low Profile)/H-type

# UHG

φ 50 65 75 80 100

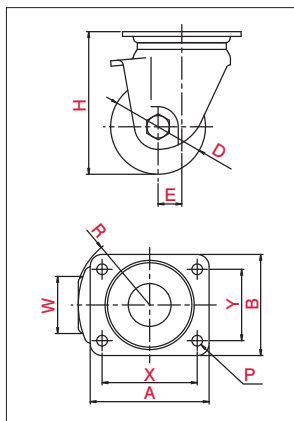
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



UHG-50GFB

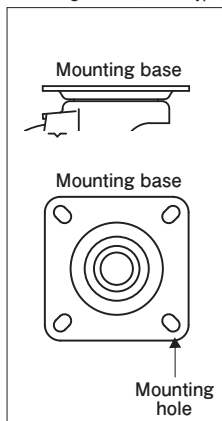


•External dimensions

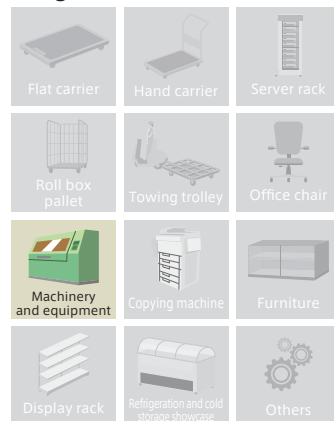



\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage

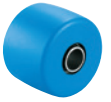

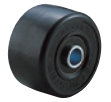


Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
UHG-50GFB		50	38	79	84×84	64×64	8.5	12	49	300(306.0)
UHG-65GFB		65		97						400(408.0)
UHG-75GFB		75		107						500(510.0)
	Wheel: Reinforced Nylon Tread: Reinforced Nylon(including B)									

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# SHORT STAR (For Heavy Duty, For Low Profile) / H-type UHG

Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y)(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
UHG-50MC		50	38	79	84×84	64×64	8.5	12	49	400(408.0)
UHG-65MC		65		97						
UHG-75MC		75		107	100×85	80×60	9.0	20	63	700(714.0)
UHG-80MC		80		120						
UHG-100MC	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)	100	140							
UHG-50MCE		50	38	79	84×84	64×64	8.5	12	49	400(408.0)
UHG-65MCE		65		97						
UHG-75MCE		75		107	100×85	80×60	9.0	20	63	700(714.0)
UHG-50PB		50	38	79						
UHG-65PB		65		97	100×100	78×78	10.5	14	54	500(510.0)
UHG-75PB		75		107						
	Wheel: Phenol Tread: Phenol (including B)									

# SHORT STAR (For Heavy Duty, For Low Profile) / H-type

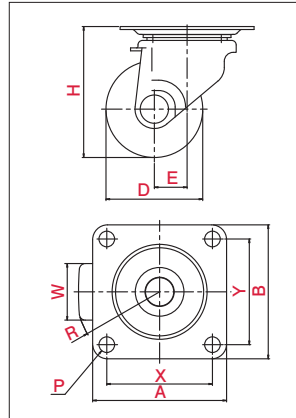
# CAL-HG

φ 65 75

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

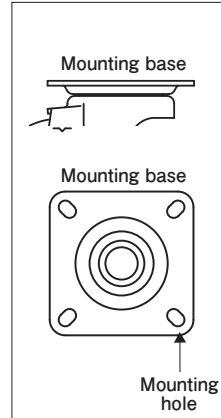


•External dimensions

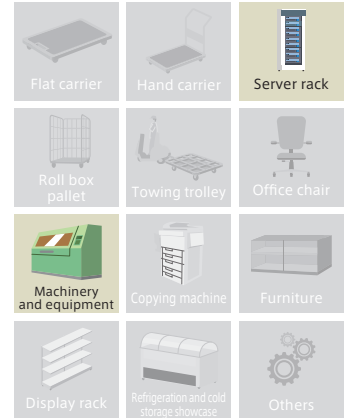





\*The Picture is a typical product image.

•Mounting Method (Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y)(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)
CAL-HG-65GNB		65	38	88	90×90	71×71	10.5	22	57	300(306.0)
CAL-HG-75GNB		75		98					61	
	Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)									
CAL-HG-65MC		65	38	88	90×90	71×71	10.5	22	57	300(306.0)
CAL-HG-75MC		75		98					61	
	Wheel: Monomer Cast Nylon Tread: Condule Monomer Cast Nylon (including B)									
CAL-HG-65MCE		65	38	88	90×90	71×71	10.5	22	57	300(306.0)
CAL-HG-75MCE		75		98					61	
	Wheel: Conductive Monomer Cast Nylon Tread: Condule Monomer Cast Nylon (including B)									

# SHORT STAR (For Heavy Duty, For Low Profile) / H-type CAL-HG

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
CAL-HG-65AU		65	38	88	90×90	71×71	10.5	22	57	300 (306.0)
CAL-HG-75AU		75		98					61	
CAL-HG-65PB		65	38	88	90×90	71×71	10.5	22	57	300 (306.0)
CAL-HG-75PB		75		98					61	

# SHORT STAR (For Heavy Duty, For Low Profile) / H-type

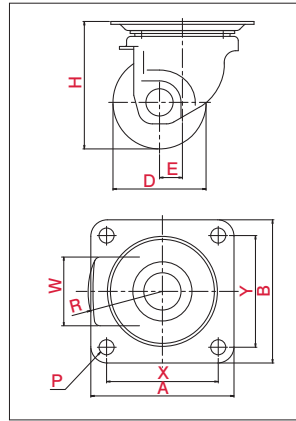
# CAL-UHG

φ 50 65 75

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

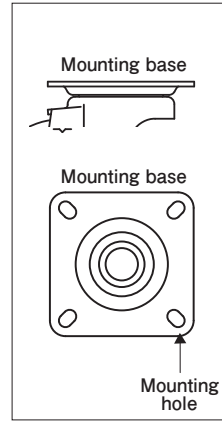


### External dimensions

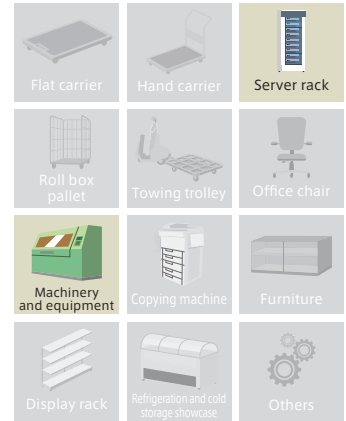


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
CAL-UHG-50GFB		50	38	74	84×84	64×64	8.5	14	42	300 (306.0)
CAL-UHG-65GFB		65	48	89	100×100	78×78	10.5	16	52	400 (408.0)
CAL-UHG-75GFB		75		99					57	500 (510.0)
CAL-UHG-50MC		50	38	74	84×84	64×64	8.5	14	42	400 (408.0)
CAL-UHG-65MC		65	48	89	100×100	78×78	10.5	16	52	600 (612.0)
CAL-UHG-75MC		75		99					57	700 (714.0)
CAL-UHG-50MCE		50	38	74	84×84	64×64	8.5	14	42	400 (408.0)
CAL-UHG-65MCE		65	48	89	100×100	78×78	10.5	16	52	600 (612.0)
CAL-UHG-75MCE		75		99					57	700 (714.0)
CAL-UHG-50PB		50	38	74	84×84	64×64	8.5	14	42	400 (408.0)
CAL-UHG-65PB		65	48	89	100×100	78×78	10.5	16	52	500 (510.0)
CAL-UHG-75PB		75		99					57	600 (612.0)

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

SHORT STAR (For Heavy Duty, For Low Profile)/H-type

# HGL

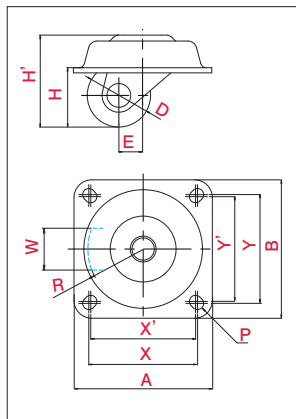
φ 32

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



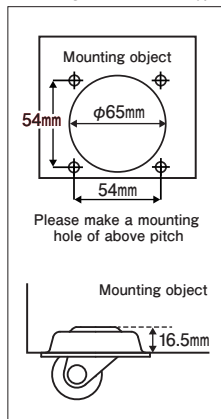
HGL-32GNB

•External dimensions

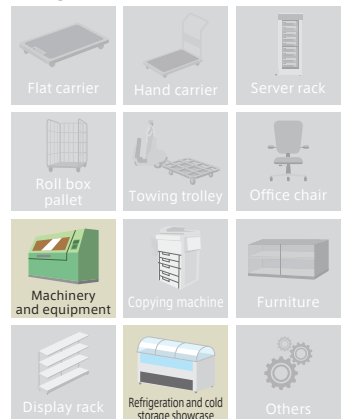


\*The Picture is a typical product image.

•Mounting Method (Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H / H' [mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
HGL-32GNB	 Wheel: Reinforced Nylon Tread: Reinforced Nylon	32	21	30 / 46.5	70×70	55×55 (53×53)	6.2	12	29	120 (122.4)

•We have specific spanner for castor wheel. Please purchase separately. 19×21mm wrench



# SHORT STAR (For Heavy Duty, For Low Profile)/H-type

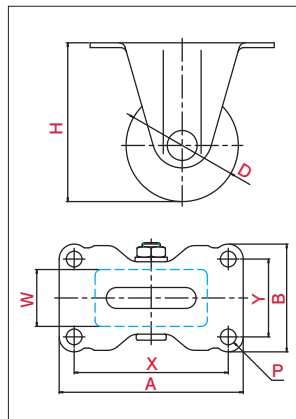
# HR

φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

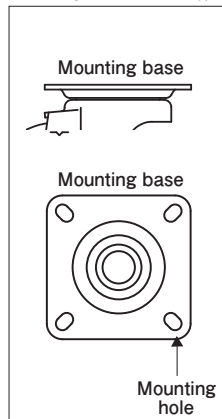


### External dimensions

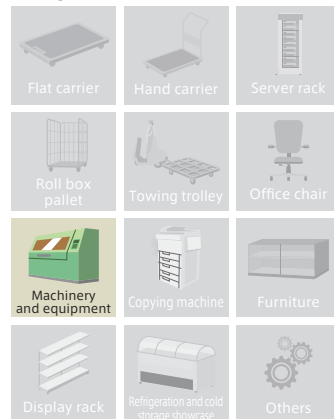


\*The Picture is a typical product image.

### Mounting Method(Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
HR-50GNB		50	28	68	80×50	66×36	6.5			160(163.2)
	Wheel:Reinforced Nylon Tread:Reinforced Nylon									
HR-65GNB		65	38	92	111×67	91×47	10.5			300(306.0)
HR-75GNB		75		106	123×72	103×52				320(326.4)
	Wheel:Reinforced Nylon Tread:Reinforced Nylon(including B)									
HR-50MC		50	25	68	80×50	66×36	6.5			160(163.2)
	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon									
HR-65MC		65	38	92	111×67	91×47	10.5			300(306.0)
HR-75MC		75		106	123×72	103×52				320(326.4)
	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon(including B)									
HR-50MCE		50	25	68	80×50	66×36	6.5			160(163.2)
	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon									
HR-65MCE		65	38	92	111×67	91×47	10.5			300(306.0)
HR-75MCE		75		106	123×72	103×52				320(326.4)
	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon(including B)									
HR-65AU		65	38	92	111×67	91×47	10.5			300(306.0)
HR-75AU		75		106	123×72	103×52				320(326.4)
	Wheel:Aluminum Tread:Urethane(including B)									
HR-65PB		65	38	92	111×67	91×47	10.5			300(306.0)
HR-75PB		75		106	123×72	103×52				320(326.4)
	Wheel:Phenol Tread:Phenol(including B)									

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

SHORT STAR (For Heavy Duty, For Low Profile, Stainless Steel)/H-type

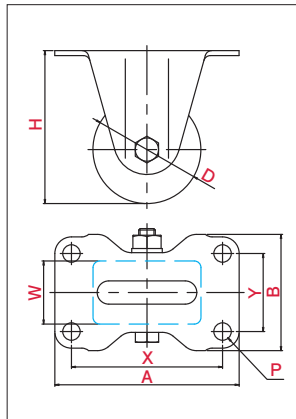
# SUS-HR

φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

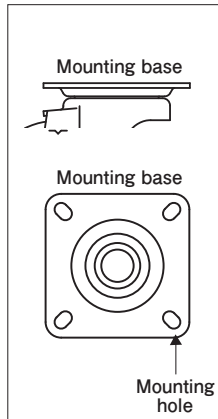


•External dimensions

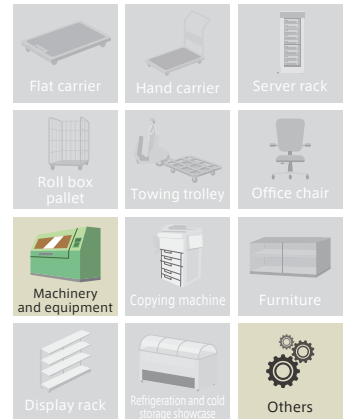


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-HR-50GNB	 Wheel: Reinforced Nylon Tread: Reinforced Nylon	50	28	68	80×50	66×36	6.5			120(122.4)
SUS-HR-65GNB	 Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)	65	38	92	111×70	91×47	10.5			230(234.6)
SUS-HR-75GNB		75		106	123×72	103×52				250(255.0)
SUS-HR-50MC	 Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon	50	25	68	80×50	66×36	6.5			120(122.4)
SUS-HR-65MC	 Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)	65	38	92	111×70	91×47	10.5			230(234.6)
SUS-HR-75MC		75		106	123×72	103×52				250(255.0)
SUS-HR-50MCE	 Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon	50	25	68	80×50	66×36	6.5			120(122.4)
SUS-HR-65MCE	 Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)	65	38	92	111×70	91×47	10.5			230(234.6)
SUS-HR-75MCE		75		106	123×72	103×52				250(255.0)
SUS-HR-65PB	 Wheel: Phenol Tread: Phenol (including B)	65	38	92	111×70	91×47	10.5			230(234.6)
SUS-HR-75PB		75		106	123×72	103×52				250(255.0)

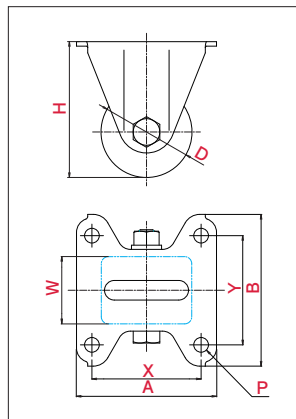
# UHR

φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

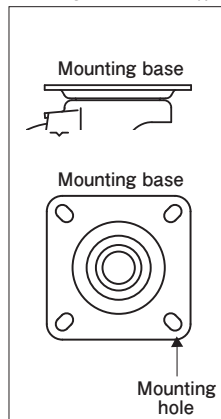


•External dimensions

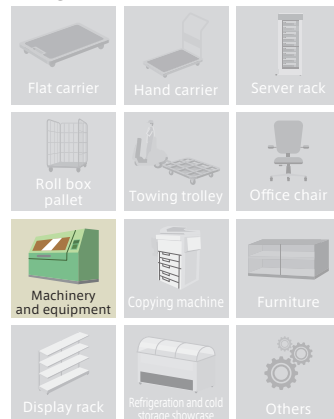


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	
UHR-50GFB		50	38	79	90×85	64×64	8.5			300(306.0)	
UHR-65GFB		65	48	97	108×100	78×78	10.5			400(408.0)	
UHR-75GFB		75		107						500(510.0)	
	Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)										
UHR-50MC		50	38	79	90×85	64×64	8.5			400(408.0)	
UHR-65MC		65	48	97	108×100	78×78	10.5			600(612.0)	
UHR-75MC		75		107						700(714.0)	
	Wheel: Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)										
UHR-50MCE		50	38	79	90×85	64×64	8.5			400(408.0)	
UHR-65MCE		65	48	97	108×100	78×78	10.5			600(612.0)	
UHR-75MCE		75		107						700(714.0)	
	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)										
UHR-50PB		50	38	79	90×85	64×64	8.5			400(408.0)	
UHR-65PB		65	48	97	108×100	78×78	10.5			500(510.0)	
UHR-75PB		75		107						600(612.0)	
	Wheel: Phenol Tread: Phenol (including B)										

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# SHORT STAR (For Heavy Duty, For Low Profile)/H-type

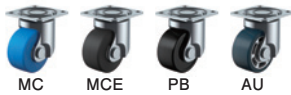
# HSG

φ 50 65 75

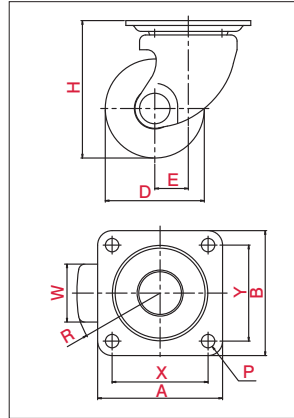
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



HSG-75GNB

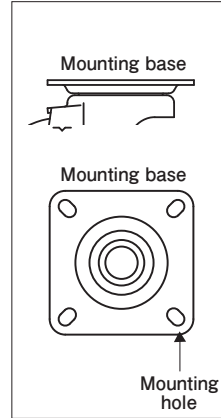


### External dimensions

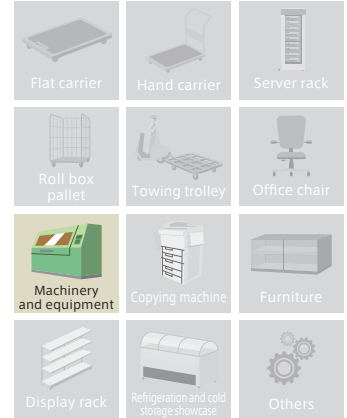


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
HSG-50GFB		50	38	79	82×82	63×63	8.8	22	49	300(306.0)
HSG-65GNB		65		90					57	
HSG-75GNB		75		100					61	
Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)										
HSG-50MC		50	38	79	82×82	63×63	8.8	22	49	300(306.0)
HSG-65MC		65		90					57	
HSG-75MC		75		100					61	
Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)										
HSG-50MCE		50	38	79	82×82	63×63	8.8	22	49	300(306.0)
HSG-65MCE		65		90					57	
HSG-75MCE		75		100					61	
Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)										
HSG-50PB		50	38	79	82×82	63×63	8.8	22	49	300(306.0)
HSG-65PB		65		90					57	
HSG-75PB		75		100					61	
Wheel: Phenol Tread: Phenol (including B)										
HSG-65AU		65	38	90	82×82	63×63	8.8	22	57	300(306.0)
HSG-75AU		75		100					61	
Wheel: Aluminum Tread: Urethane (including B)										

SHORT STAR (For Heavy Duty, For Low Profile, Stainless Steel)/H-type

# SUS-HSG

φ 50 65 75

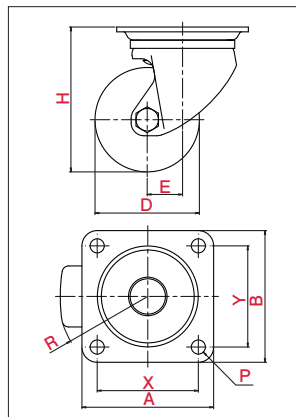
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



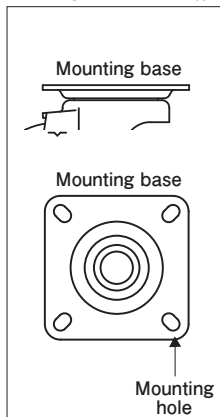
SUS-HSG-75GNB



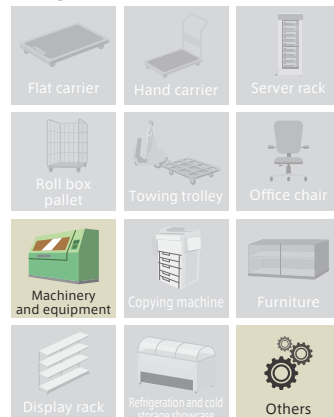
•External dimensions



•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SUS-HSG-50GFB		50	38	79	82×82	63×63	8.8	22	49	250(255.0)
SUS-HSG-65GNB		65		90					56	
SUS-HSG-75GNB		75		100					61	
Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)										
SUS-HSG-50MC		50	38	79	82×82	63×63	8.8	22	49	250(255.0)
SUS-HSG-65MC		65		90					56	
SUS-HSG-75MC		75		100					61	
Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)										
SUS-HSG-50MCE		50	38	79	82×82	63×63	8.8	22	49	250(255.0)
SUS-HSG-65MCE		65		90					56	
SUS-HSG-75MCE		75		100					61	
Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)										
SUS-HSG-50PB		50	38	79	82×82	63×63	8.8	22	49	250(255.0)
SUS-HSG-65PB		65		90					56	
SUS-HSG-75PB		75		100					61	
Wheel: Phenol Tread: Phenol (including B)										

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKV-type

SILENT-type

OTHER

## SHORT STAR (For Heavy Duty, For Low Profile)/H-type

HT

φ 50 65 75

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper

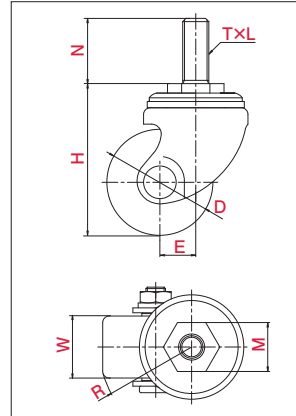


HT-50GNB, M20 x 40

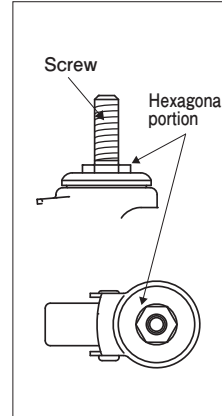


HT-75GNB, M20 x 40

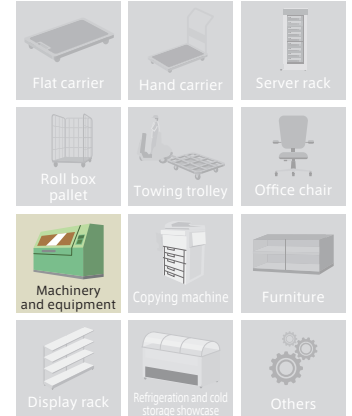
## External dimensions



## Mounting Method (Screw-in Type)



## Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
HT-50GNB, M16 x 40		50	28	74	M16	2	40	23	25	51	100(102.0)
HT-50GNB, M20 x 40					M20	2.5		30			
	Wheel: Reinforced Nylon Tread: Reinforced Nylon										
HT-65GNB, M16 x 40		65	38	93	M16	2	40	30	22	57	150(153.0)
HT-65GNB, M20 x 40				M20	2.5						
HT-75GNB, M16 x 40				107	M16	2					
HT-75GNB, M20 x 40				M20	2.5						
	Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)										
HT-50MC, M16 x 40		50	25	74	M16	2	40	23	25	51	100(102.0)
HT-50MC, M20 x 40					M20	2.5		30			
	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon										
HT-65MC, M16 x 40		65	38	93	M16	2	40	30	22	57	150(153.0)
HT-65MC, M20 x 40				M20	2.5						
HT-75MC, M16 x 40				107	M16	2					
HT-75MC, M20 x 40				M20	2.5						
	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)										
HT-50MCE, M16 x 40		50	25	74	M16	2	40	23	25	51	100(102.0)
HT-50MCE, M20 x 40					M20	2.5		30			
	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon										
HT-65MCE, M16 x 40		65	38	93	M16	2	40	30	22	57	150(153.0)
HT-65MCE, M20 x 40				M20	2.5						
HT-75MCE, M16 x 40				107	M16	2					
HT-75MCE, M20 x 40				M20	2.5						
	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)										
HT-65AU, M16 x 40		65	38	93	M16	2	40	30	22	57	150(153.0)
HT-65AU, M20 x 40				M20	2.5						
HT-75AU, M16 x 40				107	M16	2					
HT-75AU, M20 x 40				M20	2.5						
	Wheel: Aluminum Tread: Urethane (including B)										
HT-65PB, M16 x 40		65	38	93	M16	2	40	30	22	57	150(153.0)
HT-65PB, M20 x 40				M20	2.5						
HT-75PB, M16 x 40				107	M16	2					
HT-75PB, M20 x 40				M20	2.5						
	Wheel: Phenol Tread: Phenol (including B)										

•We have specific spanner for castor wheel.  
Please purchase separately.

21x23mm wrench  
30mm flat wrench

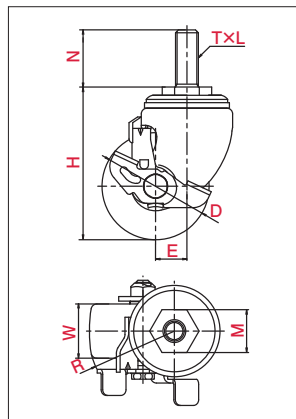
# HT-S

φ 50 65 75

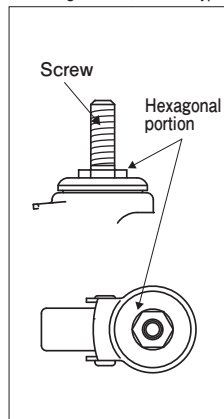
Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Double Bearing
Single stopper	Double stopper



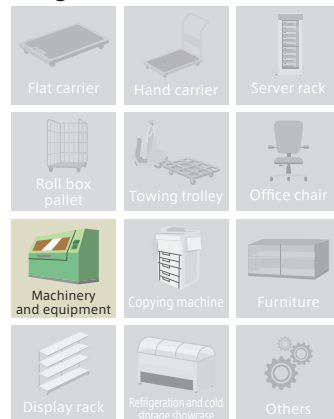
•External dimensions



•Mounting Method (Screw-in Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	
HT-50GNBS, M16 x 40		50	28	74	M16	2	40	23	25	65	100(102.0)	
HT-50GNBS, M20 x 40					M20	2.5		30				
Wheel: Reinforced Nylon Tread: Reinforced Nylon												
HT-65GNBS, M16 x 40		65	38	93	M16	2	40	30	22	67	150(153.0)	
HT-65GNBS, M20 x 40					M20	2.5						
HT-75GNBS, M16 x 40				75	107	M16						2
HT-75GNBS, M20 x 40						M20						2.5
Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)												
HT-50MCS, M16 x 40		50	25	74	M16	2	40	23	25	65	100(102.0)	
HT-50MCS, M20 x 40					M20	2.5		30				
Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon												
HT-65MCS, M16 x 40		65	38	93	M16	2	40	30	22	67	150(153.0)	
HT-65MCS, M20 x 40					M20	2.5						
HT-75MCS, M16 x 40				75	107	M16						2
HT-75MCS, M20 x 40						M20						2.5
Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)												
HT-50MCES, M16 x 40		50	25	74	M16	2	40	23	25	65	100(102.0)	
HT-50MCES, M20 x 40					M20	2.5		30				
Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon												
HT-65MCES, M16 x 40		65	38	93	M16	2	40	30	22	67	150(153.0)	
HT-65MCES, M20 x 40					M20	2.5						
HT-75MCES, M16 x 40				75	107	M16						2
HT-75MCES, M20 x 40						M20						2.5
Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)												
HT-65PBS, M16 x 40		65	38	93	M16	2	40	30	22	67	150(153.0)	
HT-65PBS, M20 x 40					M20	2.5						
HT-75PBS, M16 x 40				75	107	M16						2
HT-75PBS, M20 x 40						M20						2.5
Wheel: Phenol Tread: Phenol (including B)												

•We have specific spanner for caster wheel. Please purchase separately.

21x23mm wrench  
30mm flat wrench

# LOCKSTAR

Pursue braking stability.  
Support safe carrying by grip.





LINEUP

•AF-type •OTHER

# LOCKSTAR

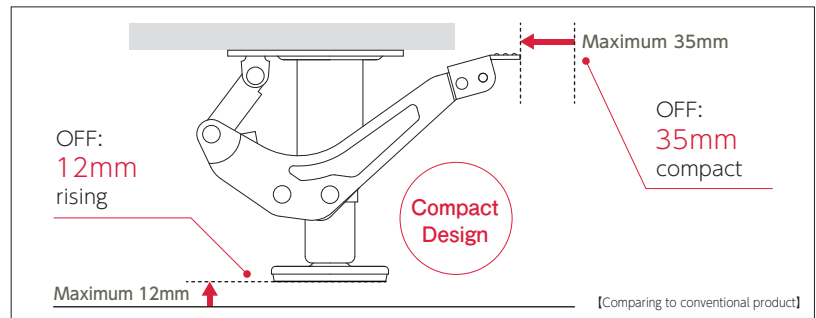
## FLOOR LOCK



Keep the trolley safety, Grip the ground with one-touch, caster assisting product.

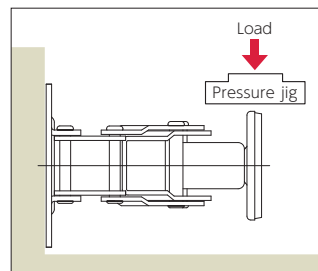
### POINT. 1 Compact design and Smooth carry

Smooth carryable due to high mount(max: 12mm) when you set off  
Realized 35mm shorter pedal not for obstructing carry comparing to conventional product



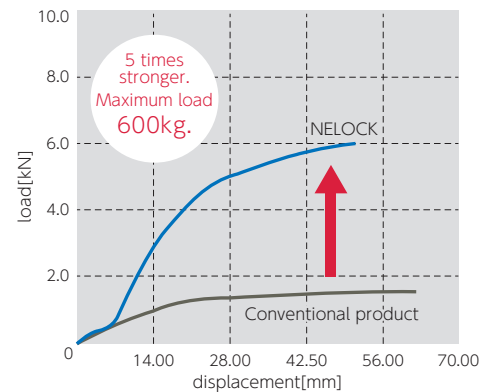
### POINT. 2 Strengthen horizontal load

More stronger type for withstanding by forklifts horizontal load or shock  
Realized 5 times stronger comparing to conventional product in horizontal load test



Horizontal load test

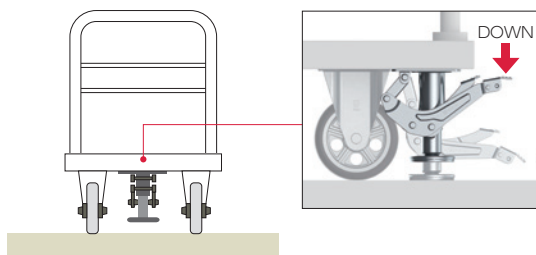
This test is for load capacity against vertical. Samples are held as above, and compared by vertical load.



※This is a test results, no means warranty.

#### •How to use

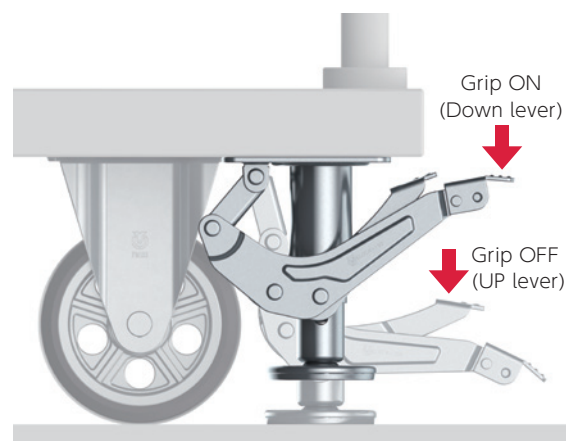
Grip the trolley by step on the pedal



#### Check point

- ① Please use by suitable mounting height.  
(Mounting height is changed by load if in rubber wheel caster)
- ② This is a stopper for the trolley with caster. Not for lifting up, and don't use for jack.
- ③ Please mount as the pedal is set outside of the trolley edge.
- ④ Please surely use it on the flat ground, not incline road.
- ⑤ Do NOT use for work table or step table.
- ⑥ Do NOT use it when the force is applied from the side to the trolley which grip the road.
- ⑦ Do NOT move the trolley when this lock is ON.

- ① Step on the foot pedal DOWN ↔ ② Step on the foot pedal UP
- Rubber parts holds and grips the ground      Release the pedal and rise rubber plate



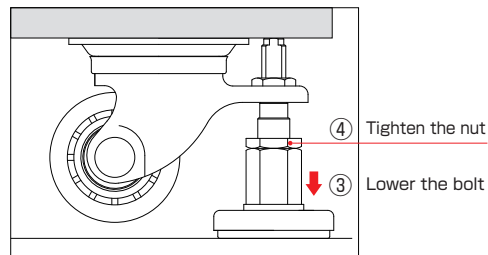
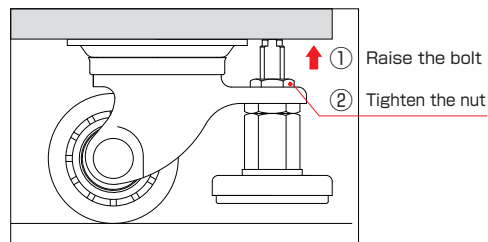
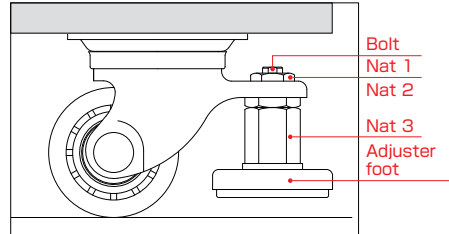
## Caster wheel with adjuster foot



### HG-AF

It is a compact integrated type equipped with the functions of the caster and adjuster at the same time, eliminating the installation of the adjuster.

- Able to adjust height after set machine.
- Easy to mount due to integrated type equipped with caster and adjuster.
- Excellent in earthquake resistance and suitable for long-term fixation of machinery.
- Ideal for transportation of machinery and equipment.



### • Caution

- Please be sure to lift the adjuster foot and tighten the screw before moving it.
- Please use the adjuster foot for the purpose of stopping the turning of the caster.
- It is not a product that locks the wheel.

### How to fix adjuster foot

- ① Turn the bolt and raise it until the bolt is installed on the top.  
※Lower nut 3 makes it easier to raise 1 bolt.
- ② Tighten the nut 1 to fix the bolt.
- ③ Turn the nut 3 and lower it until the adjuster foot gets to the ground.
- ④ Tighten nut 2 to fix the adjuster.

## Column

## Specification necessary for caster selection



### Allowance load (Maximum load)

The allowable load described in the catalog indicates a value that is easy to move when carrying a flat floor by human power.

### Standard load

It shows the effective value of the load that can obtain the impact absorbing by the spring and damper.



### Wheel width

Width of the wheel



### Hole diameter

Indicates mounting bolt and drilling dimensions.



### Mounting height

The height from ground to top plate. Please check this if you want to know the height to mounting object.



### Eccentricity

Shows the distance between the center of the turning parts and the center of the wheel.



### Mounting base

The dimension of the caster top plate.



### Turning radius

It is a radius of the caster turning.



### Mounting dimensions

Indicates the spacing between the mounting holes.

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

## LINE UP

### E-AF

P.195

E-40BN-AF  
E-50BN-AF

### SPLG

P.195

SPLG-50BN,AJ  
SPLG-65BN,AJ  
SPLG-75BN,AJ

### AF

P.196

AF-50  
AF-65  
AF-75  
AF-100

### HG-AF

P.197

HG-65GNB-AF/MC/MCE/AU/PB  
HG-75GNB-AF/MC/MCE/AU/PB

### ELOCK

P.198

ELOCK-65  
ELOCK-75  
ELOCK-100/100(H130)  
ELOCK-150  
ELOCK-200

### NELOCK

P.199

NELOCK-100  
NELOCK-150  
NELOCK-200

LOCKSTAR (For Light Duty, With adjuster function)/AF-type

# E-AF

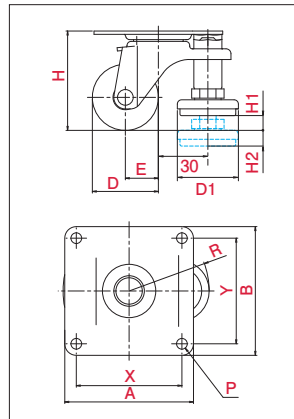
φ 40 50

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

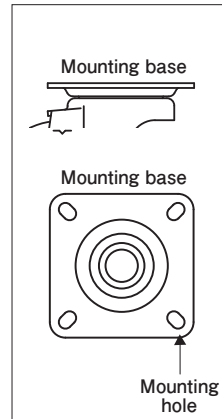


E-50BN-AF

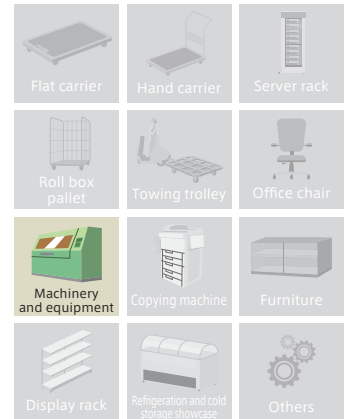
•External dimensions




•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	Length (N[mm])	Outer Diameter (D1[mm])	Adjust amount (H1 / H2[mm])
E-40BN-AF		40	21	60	78×78	64×64	6.5	20	49	30 (30.6)		37	9 / 9.5
E-50BN-AF		50		65						40 (40.8)			

Wheel: Nylon (Black)  
Tread: Nylon (Black)

LOCKSTAR (For Light Duty, With adjuster function)/AF-type

# SPLG

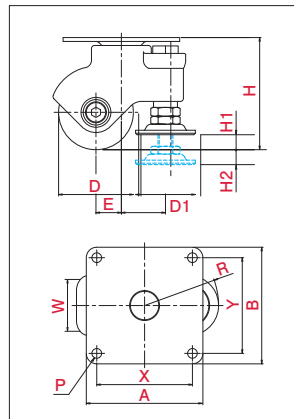
φ 50 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

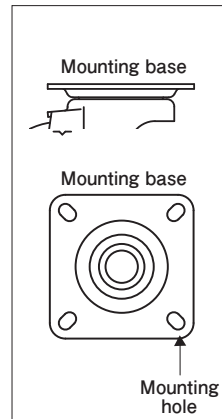


SPLG-75BN,AJ

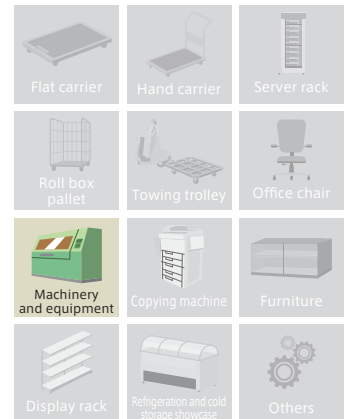
•External dimensions




•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	Length (N[mm])	Outer Diameter (D1[mm])	Adjust amount (H1 / H2[mm])					
SPLG-50BN,AJ		50	28	75	78×78	64×64	6.5	17	50	60 (61.2)		40	10 / 10					
SPLG-65BN,AJ		65	25	93									92×92	75×75	8.5	27	66	10 / 20
SPLG-75BN,AJ		75		98														15 / 15

Wheel: Nylon (Black)  
Tread: Nylon (Black)

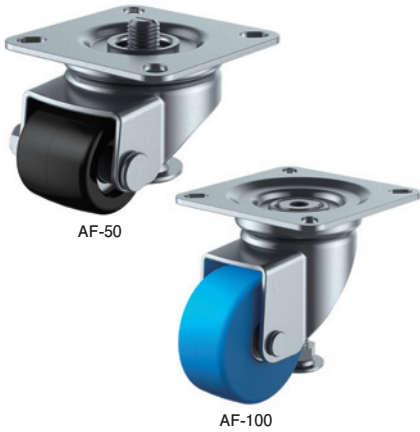
Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

# LOCKSTAR (For Heavy Duty, With adjuster function) / AF-type

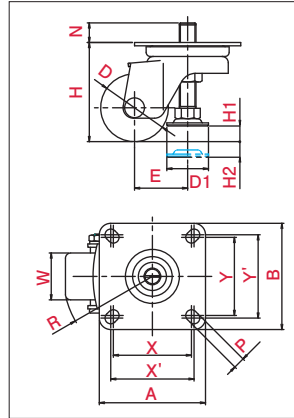
# AF

φ 50 65 75 100

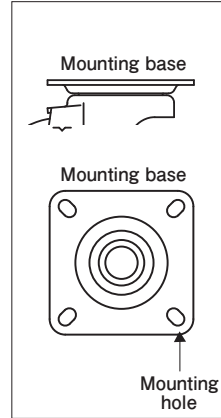
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



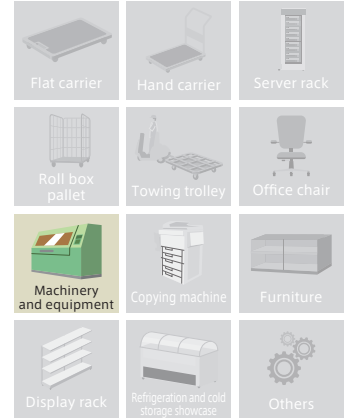
### External dimensions



### Mounting Method (Plate Type)



### Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	Length (N[mm])	Outer Diameter (D1[mm])	Adjust amount (H1 / H2[mm])
AF-50		50	45	74	102×102	80×80(75×75)	11	46	73	250(255.0)	19.6	40	15 / 15
AF-65		65		95				51	84		18.8		
	Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)												
AF-75		75	45	120	140×140	115×115(105×105)	11.5	56	95	300(306.0)		40	15 / 15
AF-100		100		145				65	116				
	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)												

# HG-AF

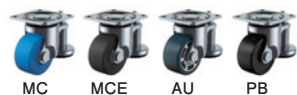
φ 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

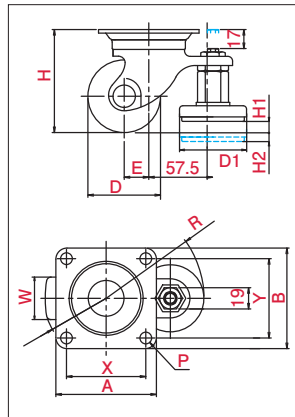
Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel



HG-75GNB-AF

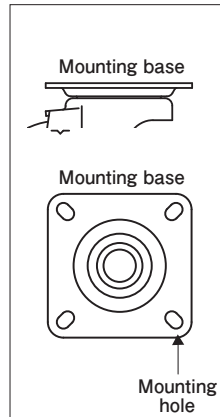


•External dimensions

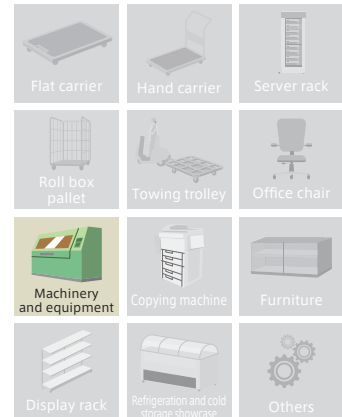


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D)(mm)	Wheel Width (W)(mm)	Mounting height (H)(mm)	Mounting base (A×B)(mm)	Mounting dimensions (X×Y)(mm)	Hole Diameter (P)(mm)	Eccentricity (E)(mm)	Turning Radius (R)(mm)	Allowance Load (daN / kgf)	Outer Diameter (D1)(mm)	Adjust amount (H1 / H2)(mm)
HG-65GNB-AF		65	38	92	90×90	71×71	10.5	22	88	300(306.0)	60	10 / 8
HG-75GNB-AF		75		106						320(326.4)		15 / 10
Wheel: Reinforced Nylon Tread: Reinforced Nylon (including B)												
HG-65MC-AF		65	38	92	90×90	71×71	10.5	22	88	300(306.0)	60	10 / 8
HG-75MC-AF		75		106						320(326.4)		15 / 10
Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (including B)												
HG-65MCE-AF		65	38	92	90×90	71×71	10.5	22	88	300(306.0)	60	10 / 8
HG-75MCE-AF		75		106						320(326.4)		15 / 10
Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (including B)												
HG-65AU-AF		65	38	92	90×90	71×71	10.5	22	88	300(306.0)	60	10 / 8
HG-75AU-AF		75		106						320(326.4)		15 / 10
Wheel: Aluminum Tread: Urethane (including B)												
HG-65PB-AF		65	38	92	90×90	71×71	10.5	22	88	300(306.0)	60	10 / 8
HG-75PB-AF		75		106						320(326.4)		15 / 10
Wheel: Phenol Tread: Phenol (including B)												

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

LOCKSTAR (With adjuster function)/OTHER-type

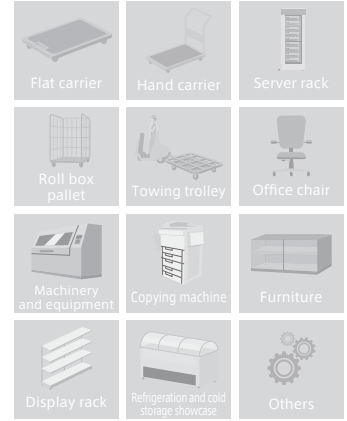
# ELOCK

φ 60 75 100 150 200

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



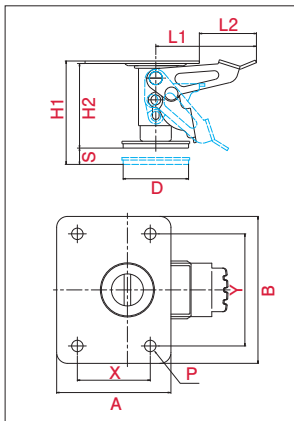
Usage



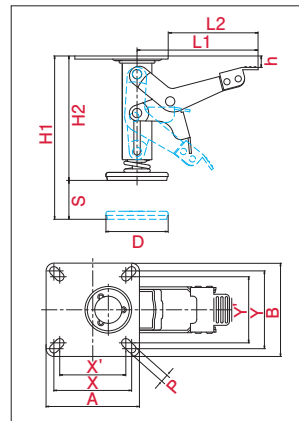
\*The Picture is a typical product image.

Product No.	Pad adjuster Diameter (D[mm])	Proper Mounting height [mm]	Height(Locking) (H1[mm])	Height(Unlocking) (H2[mm])	stroke (S[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Length of pedal (L1[mm])	Length from the edge of mounting plate (L2[mm])	Gap from mounting plate [mm]
ELOCK-65	60	85	90	75	15	105×135	67×103	10.5	93	53	-1.25
ELOCK-75		90	95	80							
ELOCK-100(H130)	78	130	135	117	18	120×120	100×100 (85×85)	11	127	87	-1.65
ELOCK-100		144	150	132	18				143	103	
ELOCK-150		198	210	160	50				156	115	14
ELOCK-200		250	258	208							

External dimensions (ELOCK-65-75)



External dimensions (ELOCK-100-150-200)



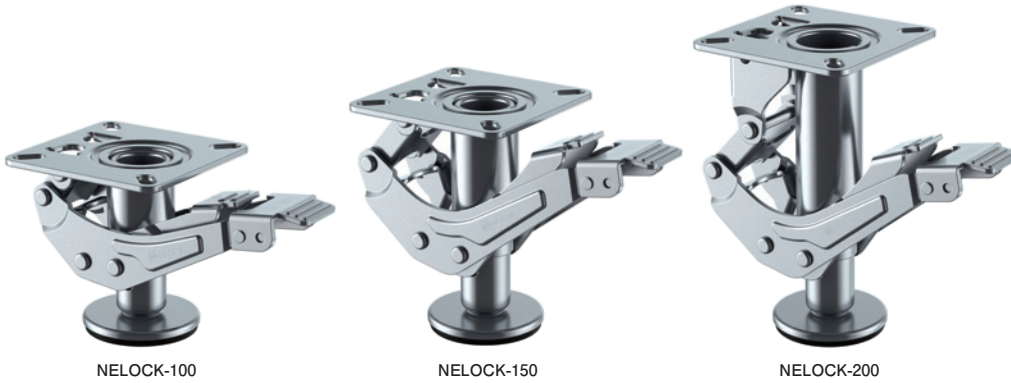


LOCKSTAR (With adjuster function)/OTHER-type

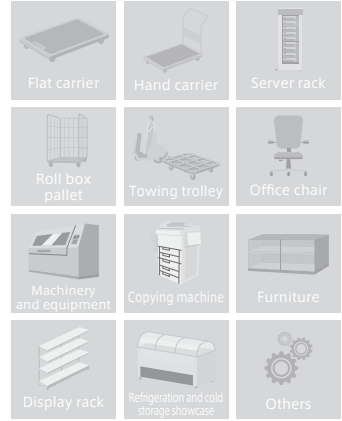
# NELOCK

φ 100 150 200

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



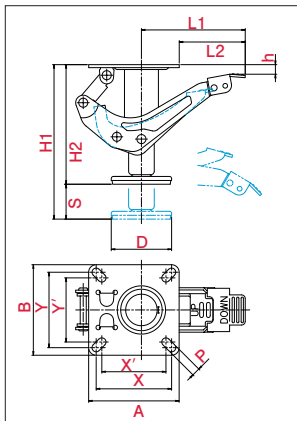
•Usage



\*The Picture is a typical product image.

Product No.	Pad adjuster Diameter (D[mm])	Proper Mounting height [mm]	Height(Locking) (H1[mm])	Height(Unlocking) (H2[mm])	stroke (S[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Length of pedal (L1[mm])	Length from the edge of mounting plate (L2[mm])	Gap from mounting plate [mm]
NELOCK-100	80	144	150	120	30	120×120	100×100 (85×85)	11	130	80	1
NELOCK-150		198	208	158							2
NELOCK-200		250	257	207							50

•External dimensions



Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

# S M O O S T A R

Absorbing shock by whole body.  
High quality model with shock absorbing spring.



**LINEUP**

•SKY-type •NP-type

# SMOOSTAR

## SHOCK ABSORBING CASTER

Absorb shock and shimmy!  
Cushion function protects logistics quality.  
SMOOSTAR can carry heavy goods by towing.

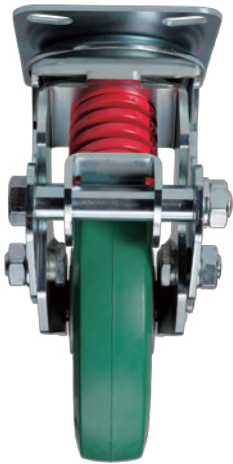


Shock less 1/5

### POINT. 1 Absorb Shock By Built-in Spring

#### Absorb shock and shimmy and reduce damage for goods

Shock absorbing spring can reduce shock one-fifth and damage for carrying goods. (compared with our conventional product)



#### Shock Absorbing Spring

Built-in shock absorbing spring can reduce damage and \*wearing for wheel. It causes becoming long-life product. (\*it depends on the workplace environment, but in the case of same running distance, wheel wearing can reduce 1/2 - 1/4 compared with general product without spring)

#### Selectable spring for application

Shock absorbing range of spring

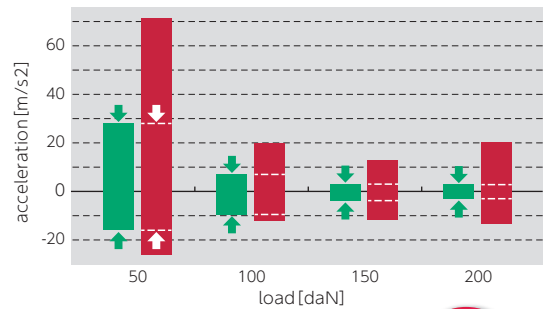
Symbol	Spring color	Standard load
-1	Blue spring	100daN
-2	Red spring	200daN

For valious load, there are 2 type springs. You can choose most suitable cushion function for wheight of your goods.

#### Shock acceleration test

Compared with conventional product

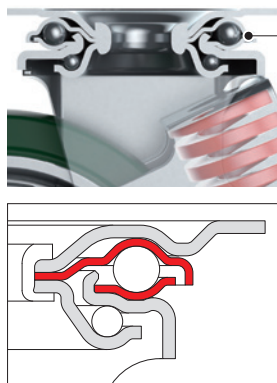
Load [daN] ([kgf])		50.00	100.00	150.00	200.00
		(51.00)	(102.00)	(153.00)	(204.00)
<b>SKY-2S200WF (AR)</b>					
Acceleration [m/s <sup>2</sup> ]	Maximum(Up ward)	27.54	6.75	2.97	2.80
	Minimum(Down ward)	-16.15	-9.63	-3.85	-3.16
<b>WFJ-200 (AR)</b>					
Acceleration [m/s <sup>2</sup> ]	Maximum(Up ward)	71.83	19.59	12.76	20.51
	Minimum(Down ward)	-25.81	-11.95	-11.77	-13.60



### POINT. 2 Perfect Operability With Light Starting Force

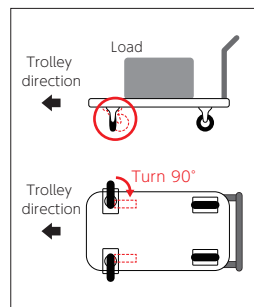
#### Excellent starting turnability, reduce workload

30% starting force is reduced by strengthen turning parts compared with conventional product. Realized smooth turning performance when direction changes and also improved starting performance



#### New Designed Bearing Structure

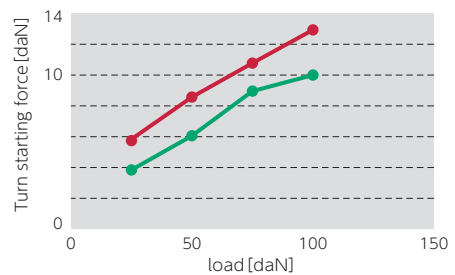
Strengthened bearing structure for withstanding hard usage environment like heavy goods towing  
Reduced wheel squareness and prevented Shimmy Phenomenon: when high-speed towing, wheel is shaking



#### Turn starting force test

Compared with conventional product

Load [daN] ([kgf])		25.00	50.00	75.00	100.00
		(25.50)	(51.00)	(76.50)	(102.00)
<b>SKY-2S200WF (AR)</b>					
Turn starting force [daN] ([kgf])		3.89	6.15	8.84	10.03
		(3.97)	(6.27)	(9.02)	(10.23)
<b>SKY-1S200WF (AR)</b>					
Turn starting force [daN] ([kgf])		5.89	8.49	10.78	12.90
		(5.97)	(8.66)	(11.00)	(13.16)



Load less 30%

### POINT. 3 Excellent Rotational Accuracy Aluminum Die Casting Wheel

#### Reduced wheel squareness and noise

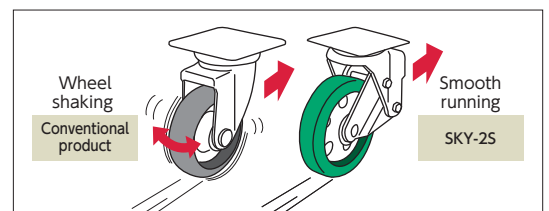


- Low noise and comfortable by preventing shimmy phenomenon
- Realized long-life product by hard wear resistance for wheel

#### Aluminum Die Cast

Introduced self development aluminum die casting wheel for reducing wheel squareness

#### Shimmy Phenomenon: when high-speed towing, wheel is shaking

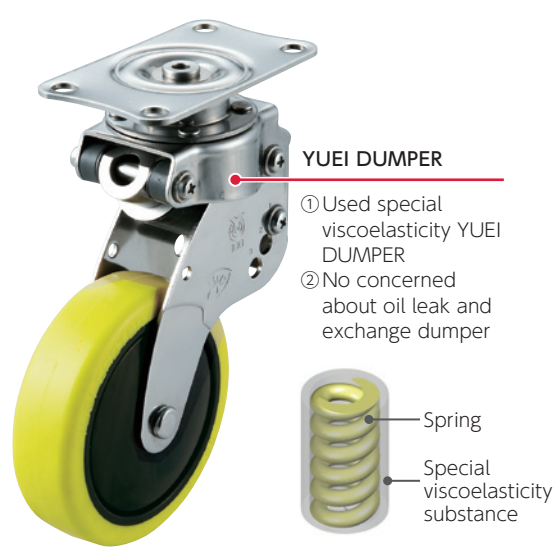




# YUEI DUMPER is most suitable for carrying precision equipment, its parts, and in semiconductor factory

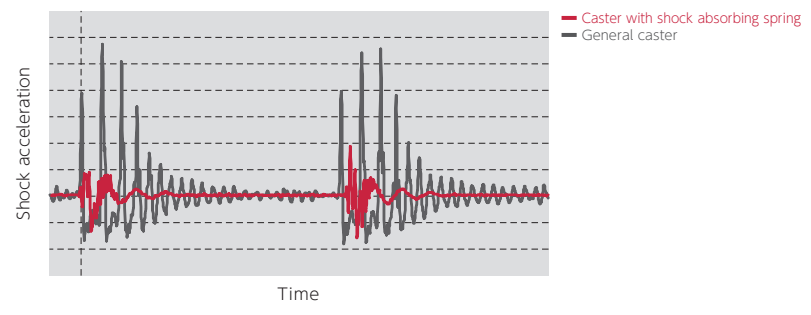
## Built-in YUEI DUMPER prevents noise and absorbs shock when it runs

High performance deep ball bearing is set on turning parts, it runs smoothly and silently



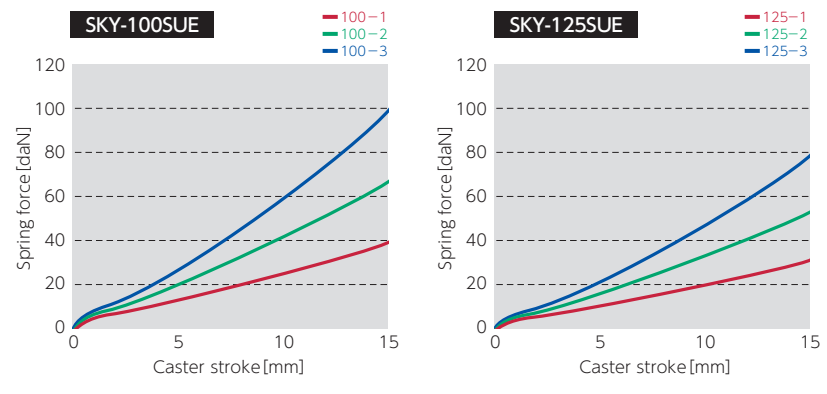
### Shocking Comparison

•Reduced 1/5 shaking by built-in mini dumper



### Spring characteristics

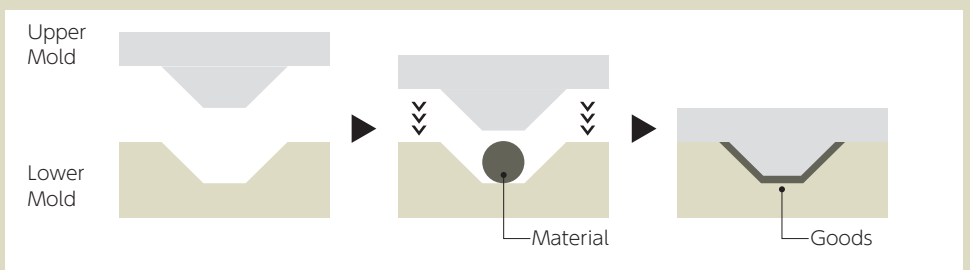
•Selectable from 10daN, 20daN, 30daN



## Column About Resin Molding

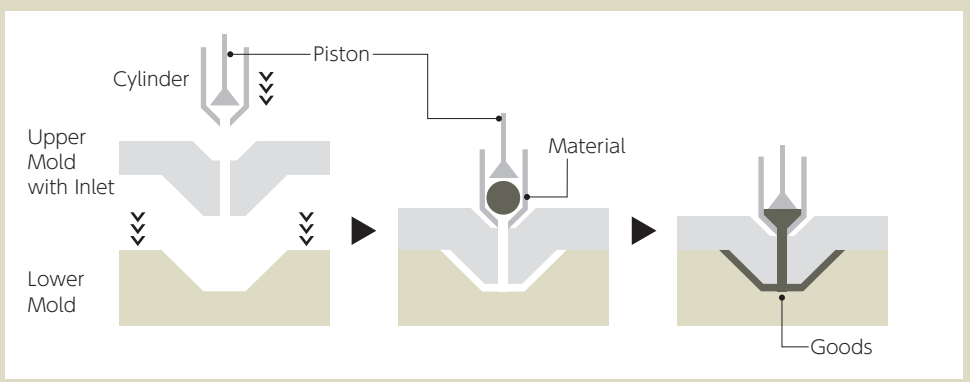
### ① Compression Molding

Set material into heat mold, close mold, press and harden. After hardening, open the mold, pull up the goods.



### ② Injection Molding

Material which is melted in Cylinder is injected into mold. (In the case of thermoplastics resin, it's cooled and hardened) After hardening, open the mold, pull up the goods. We have also thermosetting resin, it is heated and hardened.



## LINE UP

**SKY-2S**

P.205

SKY-2S150AW-A-1/AW-A-2/WF(AR)-A-1/WF(AR)-A-2/  
WF(Gr)-A-1/WF(Gr)-A-2/AW(AR)Gr-A-1/  
AW(AR)Gr-A-2/UWF-A-1/UWF-A-2/UWF/INJ-A-1/  
UWF/INJ-A-2

SKY-2S200AW-A-1/AW-A-2/AW-B-1/AW-B-2/WF(AR)-A-1/  
WF(AR)-A-2/WF(AR)-B-1/WF(AR)-B-2/WF(Gr)-A-1/  
WF(Gr)-A-2/WF(Gr)-B-1/WF(Gr)-B-2/AW(AR)Gr-A-1/  
AW(AR)Gr-A-2/AW(AR)Gr-B-1/AW(AR)Gr-B-2/  
UWF-A-1/UWF-A-2/UWF-B-1/UWF-B-2/  
UWF/INJ-A-1/UWF/INJ-A-2/UWF/INJ-B-1/  
UWF/INJ-B-2

**SKY-2R**

P.206

SKY-2R150AW-A-1/AW-A-2/WF(AR)-A-1/WF(AR)-A-2/  
WF(Gr)-A-1/WF(Gr)-A-2/AW(AR)Gr-A-1/  
AW(AR)Gr-A-2/UWF-A-1/UWF-A-2/UWF/INJ-A-1/  
UWF/INJ-A-2

SKY-2R200AW-A-1/AW-A-2/AW-B-1/AW-B-2/WF(AR)-A-1/  
WF(AR)-A-2/WF(AR)-B-1/WF(AR)-B-2/  
WF(Gr)-A-1/WF(Gr)-A-2/WF(Gr)-B-1/WF(Gr)-B-2/  
AW(AR)Gr-A-1/AW(AR)Gr-A-2/AW(AR)Gr-B-1/  
AW(AR)Gr-B-2/UWF-A-1/UWF-A-2/UWF-B-1/  
UWF-B-2/UWF/INJ-A-1/UWF/INJ-A-2/UWF/INJ-B-1/  
UWF/INJ-B-2

**SHSKY**

P.207

SHSKY-S125NRB-30/NRBDS-30

**SKY-S**

P.207

SKY-S100SUE-1/SUE-2/SUE-3  
SKY-S125SUE-1/SUE-2/SUE-3

**SKY-S-S**

P.208

SKY-S100SUES-1/SUES-2/SUES-3  
SKY-S125SUES-1/SUES-2/SUES-3

**SKY-R**

P.209

SKY-R100SUE-1/SUE-2/SUE-3  
SKY-R125SUE-1/SUE-2/SUE-3

**SKY-R-S**

P.210

SKY-R100SUES-1/SUES-2/SUES-3  
SKY-R125SUES-1/SUES-2/SUES-3

**SKY-T**

P.211

[M12×35]  
SKY-T100SUE-1/SUE-2/SUE-3  
SKY-T125SUE-1/SUE-2/SUE-3  
[M16×40]  
SKY-T100SUE-1/SUE-2/SUE-3  
SKY-T125SUE-1/SUE-2/SUE-3

**SKY-T-S**

P.212

[M12×35]  
SKY-T100SUES-1/SUES-2/SUES-3  
SKY-T125SUES-1/SUES-2/SUES-3  
[M16×40]  
SKY-T100SUES-1/SUES-2/SUES-3  
SKY-T125SUES-1/SUES-2/SUES-3

**NPG**

P.213

NPG-100SUE-1/SUE-2/SUE-3/SUES-1/SUES-2/SUES-3  
NPG-125SUE-1/SUE-2/SUE-3/SUES-1/SUES-2/SUES-3

**NPR**

P.214

NPR-100SUE-1/SUE-2/SUE-3/SUES-1/SUES-2/SUES-3  
NPR-125SUE-1/SUE-2/SUE-3/SUES-1/SUES-2/SUES-3

**NPT**

P.215

[M12×35]  
NPT-100SUE-1/SUE-2/SUE-3/SUES-1/SUES-2/SUES-3  
NPT-125SUE-1/SUE-2/SUE-3/SUES-1/SUES-2/SUES-3  
[M16×40]  
NPT-100SUE-1/SUE-2/SUE-3/SUES-1/SUES-2/SUES-3  
NPT-125SUE-1/SUE-2/SUE-3/SUES-1/SUES-2/SUES-3

# SKY-2S

φ 150 200

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

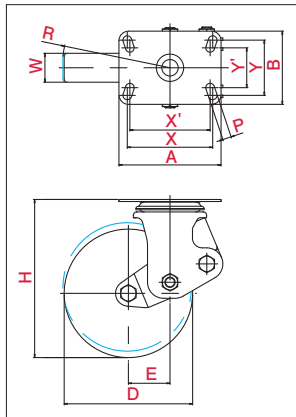


SKY-2S200AW (AR) Gr



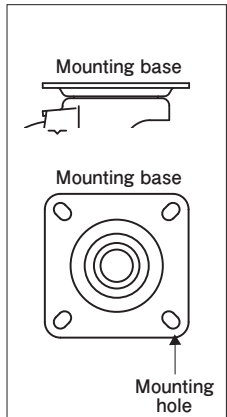
AW WF (AR) WF (Gr) UWF UWF/INJ

•External dimensions

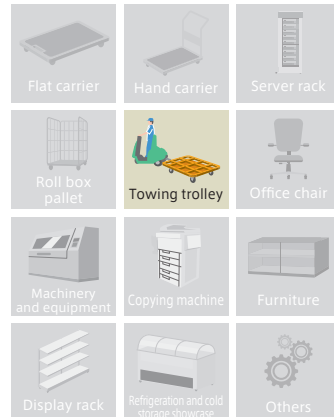


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Proper Load (daN / kgf)		
SKY-2S150AW-A-1		150	42	193[~183]	159×114	133×86(125×62)	13.5	50[~54]	126[~131]	100(102.0)		
SKY-2S150AW-A-2												200(204.0)
SKY-2S200AW-A-1		200	45	246[~236]	159×114	133×86(125×62)	11.5	65[~67]	166[~168]	100(102.0)		
SKY-2S200AW-A-2												200(204.0)
SKY-2S200AW-B-1					144×144	120×120(105×105)				100(102.0)		
SKY-2S200AW-B-2					144×144	120×120(105×105)				200(204.0)		
SKY-2S150WF (AR) -A-1		150	40	193[~183]	159×114	133×86(125×62)	13.5	50[~54]	126[~131]	100(102.0)		
SKY-2S150WF (AR) -A-2												200(204.0)
SKY-2S200WF (AR) -A-1		200	43	246[~236]	159×114	133×86(125×62)	11.5	65[~67]	166[~168]	100(102.0)		
SKY-2S200WF (AR) -A-2												200(204.0)
SKY-2S200WF (AR) -B-1					144×144	120×120(105×105)				100(102.0)		
SKY-2S200WF (AR) -B-2					144×144	120×120(105×105)				200(204.0)		
SKY-2S150WF (Gr) -A-1		150	40	193[~183]	159×114	133×86(125×62)	13.5	50[~54]	126[~131]	100(102.0)		
SKY-2S150WF (Gr) -A-2												200(204.0)
SKY-2S200WF (Gr) -A-1		200	43	246[~236]	159×114	133×86(125×62)	11.5	65[~67]	166[~168]	100(102.0)		
SKY-2S200WF (Gr) -A-2												200(204.0)
SKY-2S200WF (Gr) -B-1					144×144	120×120(105×105)				100(102.0)		
SKY-2S200WF (Gr) -B-2					144×144	120×120(105×105)				200(204.0)		
SKY-2S150AW (AR) Gr-A-1		150	42	193[~183]	159×114	133×86(125×62)	13.5	50[~54]	126[~131]	100(102.0)		
SKY-2S150AW (AR) Gr-A-2												200(204.0)
SKY-2S200AW (AR) Gr-A-1		200	45	246[~236]	159×114	133×86(125×62)	11.5	65[~67]	166[~168]	100(102.0)		
SKY-2S200AW (AR) Gr-A-2												200(204.0)
SKY-2S200AW (AR) Gr-B-1					144×144	120×120(105×105)				100(102.0)		
SKY-2S200AW (AR) Gr-B-2					144×144	120×120(105×105)				200(204.0)		
SKY-2S150UWF-A-1		150	38	193[~183]	159×114	133×86(125×62)	13.5	50[~54]	126[~131]	100(102.0)		
SKY-2S150UWF-A-2												200(204.0)
SKY-2S200UWF-A-1		200	42	246[~236]	159×114	133×86(125×62)	11.5	65[~67]	166[~168]	100(102.0)		
SKY-2S200UWF-A-2												200(204.0)
SKY-2S200UWF-B-1					144×144	120×120(105×105)				100(102.0)		
SKY-2S200UWF-B-2					144×144	120×120(105×105)				200(204.0)		
SKY-2S150UWF/INJ-A-1		150	38	193[~183]	159×114	133×86(125×62)	13.5	50[~54]	126[~131]	100(102.0)		
SKY-2S150UWF/INJ-A-2												200(204.0)
SKY-2S200UWF/INJ-A-1		200	42	246[~236]	159×114	133×86(125×62)	11.5	65[~67]	166[~168]	100(102.0)		
SKY-2S200UWF/INJ-A-2												200(204.0)
SKY-2S200UWF/INJ-B-1					144×144	120×120(105×105)				100(102.0)		
SKY-2S200UWF/INJ-B-2					144×144	120×120(105×105)				200(204.0)		

※It is the date value in parenthesis when load in maximum.

S-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

206

S M O O S T A R (Shock Absorbing, For Towing) / SKY-type

# SKY-2R

 $\phi$  150 200

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

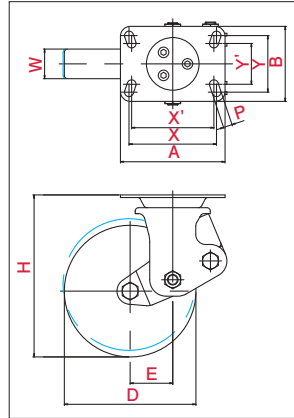


SKY-2R200AW (AR) Gr



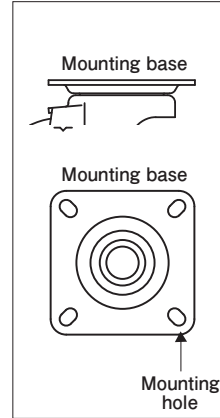
AW WF (AR) WF (Gr) UWF UWF/INJ

### External dimensions

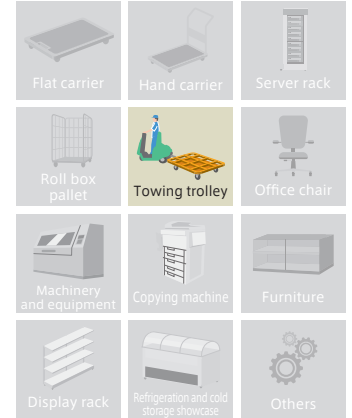


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y'))[mm]	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Proper Load (daN / kgf)					
SKY-2R150AW-A-1		150	42	193[~183]	159×114	133×86(125×62)	13.5	50[~54]		100(102.0)					
SKY-2R150AW-A-2											200(204.0)				
SKY-2R200AW-A-1						200	45			246[~236]	159×114	133×86(125×62)	13.5	100(102.0)	
SKY-2R200AW-A-2															200(204.0)
SKY-2R200AW-B-1											180×110	112×63(140×50)	11.5	100(102.0)	
SKY-2R200AW-B-2															200(204.0)
SKY-2R150WF (AR) -A-1		150	40	193[~183]	159×114	133×86(125×62)	13.5	50[~54]		100(102.0)					
SKY-2R150WF (AR) -A-2											200(204.0)				
SKY-2R200WF (AR) -A-1						200	43			246[~236]	159×114	133×86(125×62)	13.5	100(102.0)	
SKY-2R200WF (AR) -A-2															200(204.0)
SKY-2R200WF (AR) -B-1											180×110	112×63(140×50)	11.5	100(102.0)	
SKY-2R200WF (AR) -B-2															200(204.0)
SKY-2R150WF (Gr) -A-1		150	40	193[~183]	159×114	133×86(125×62)	13.5	50[~54]		100(102.0)					
SKY-2R150WF (Gr) -A-2											200(204.0)				
SKY-2R200WF (Gr) -A-1						200	43			246[~236]	159×114	133×86(125×62)	13.5	100(102.0)	
SKY-2R200WF (Gr) -A-2															200(204.0)
SKY-2R200WF (Gr) -B-1											180×110	112×63(140×50)	11.5	100(102.0)	
SKY-2R200WF (Gr) -B-2															200(204.0)
SKY-2R150AW (AR) Gr-A-1		150	42	193[~183]	159×114	133×86(125×62)	13.5	50[~54]		100(102.0)					
SKY-2R150AW (AR) Gr-A-2											200(204.0)				
SKY-2R200AW (AR) Gr-A-1						200	45			246[~236]	159×114	133×86(125×62)	13.5	100(102.0)	
SKY-2R200AW (AR) Gr-A-2															200(204.0)
SKY-2R200AW (AR) Gr-B-1											180×110	112×63(140×50)	11.5	100(102.0)	
SKY-2R200AW (AR) Gr-B-2															200(204.0)
SKY-2R150UWF-A-1		150	38	193	159×114	133×86(125×62)	13.5	50		100(102.0)					
SKY-2R150UWF-A-2											200(204.0)				
SKY-2R200UWF-A-1						200	42			246	180×110	112×63(140×50)	11.5	100(102.0)	
SKY-2R200UWF-A-2															200(204.0)
SKY-2R200UWF-B-1															100(102.0)
SKY-2R200UWF-B-2															200(204.0)
SKY-2R150UWF/INJ-A-1		150	38	193	159×114	133×86(125×62)	13.5	50		100(102.0)					
SKY-2R150UWF/INJ-A-2											200(204.0)				
SKY-2R200UWF/INJ-A-1						200	42			246	180×110	112×63(140×50)	11.5	100(102.0)	
SKY-2R200UWF/INJ-A-2															200(204.0)
SKY-2R200UWF/INJ-B-1															100(102.0)
SKY-2R200UWF/INJ-B-2															200(204.0)

\*It is the date value in parenthesis when load in maximum.



S M O O S T A R (Shock Absorbing) / SKY-type

# SHSKY

φ 125

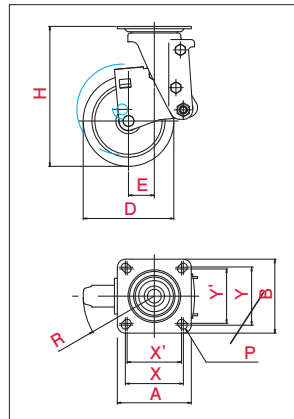
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



SHSKY-S125NRB-30

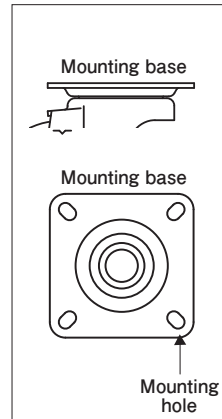
SHSKY-S125NRBDS-30

•External dimensions

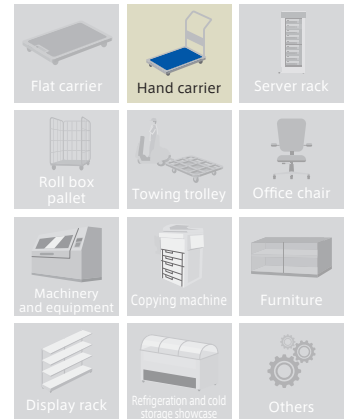


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Proper Load (daN / kgf)
SHSKY-S125NRB-30		125	30	193[~177]	102×102	80×80(75×75)	11	35.5[~44.5]	98[~107]	30(30.6)
*SHSKY-S125NRBDS-30										
	Wheel: Nylon Tread: Rubber(including B)									

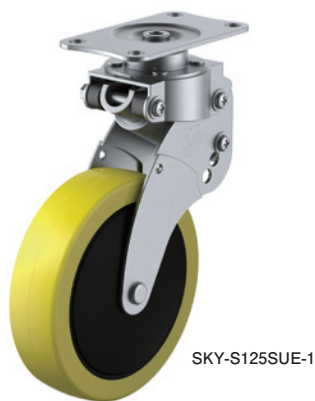
※It is the date value in parenthesis when load in maximum. \*(With Stopper)

S M O O S T A R (Shock Absorbing) / SKY-type

# SKY-S

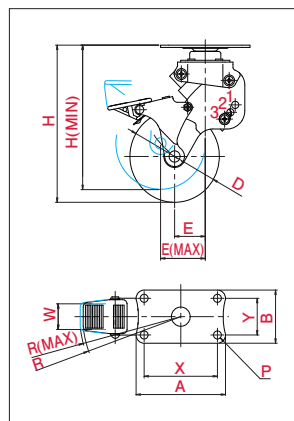
φ 100 125

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	



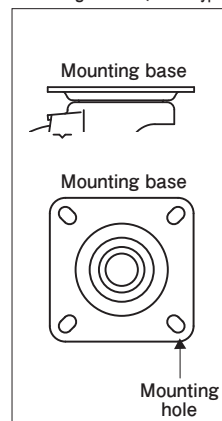
SKY-S125SUE-1

•External dimensions

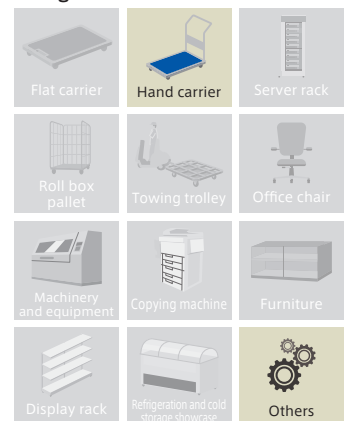


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Proper Load (daN / kgf)
SKY-S100SUE-1		100	28	171[~148]	100×58	82×40	8.8	34[~57]	84[~107]	10(10.2)
SKY-S100SUE-2				171[~154]				34[~53]	84[~103]	20(20.4)
SKY-S100SUE-3				171[~158]				34[~50]	84[~100]	30(30.6)
SKY-S125SUE-1				193[~167]				41[~66]	104[~129]	10(10.2)
SKY-S125SUE-2				193[~173]				41[~61]	104[~124]	20(20.4)
SKY-S125SUE-3				193[~177]				41[~58]	104[~121]	30(30.6)
	Wheel: Nylon Tread: Antistatic Urethane(including B)									

※It is the date value in parenthesis when load in maximum.

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

S M O O S T A R (Shock Absorbing) / SKY-type

# SKY-S-S

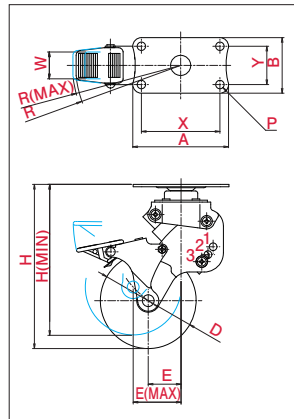
 $\phi$  100 125

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	



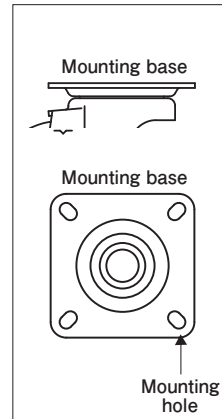
SKY-S125SUES-1

### External dimensions

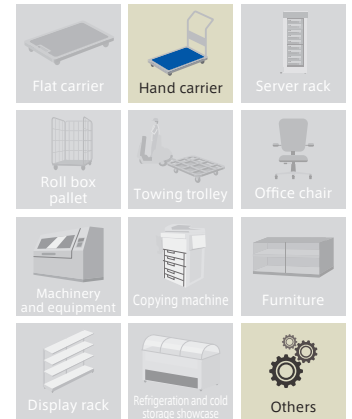



\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Proper Load (daN / kgf)
SKY-S100SUES-1		100	28	171 [~148]	100×58	82×40	8.8	34 [~57]	110 [~112]	10 (10.2)
SKY-S100SUES-2				171 [~154]				34 [~53]	110 [~113]	20 (20.4)
SKY-S100SUES-3				171 [~158]				34 [~50]	110 [~113]	30 (30.6)
SKY-S125SUES-1		125	32	193 [~167]				41 [~66]	116 [~129]	10 (10.2)
SKY-S125SUES-2				193 [~173]				41 [~61]	116 [~124]	20 (20.4)
SKY-S125SUES-3				193 [~177]				41 [~58]	116 [~121]	30 (30.6)

※It is the date value in parenthesis when load in maximum.

# SKY-R

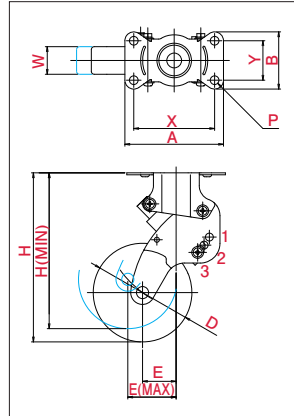
φ 100 125

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

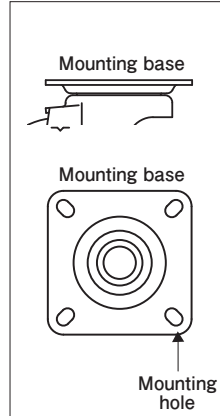


SKY-R125SUE-1

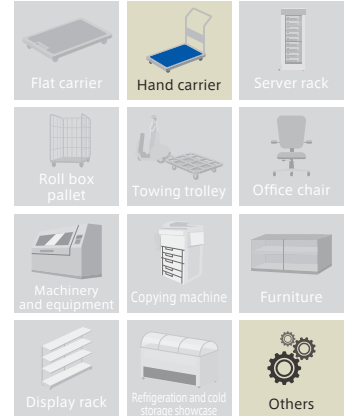
•External dimensions




•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Proper Load (daN / kgf)
SKY-R100SUE-1		100	28	171 [~148]	100×58	82×40	8.8	34 [~57]		10 (10.2)
SKY-R100SUE-2				171 [~154]				20 (20.4)		
SKY-R100SUE-3				171 [~158]				30 (30.6)		
SKY-R125SUE-1		125	32	193 [~167]				41 [~66]		10 (10.2)
SKY-R125SUE-2				193 [~173]				41 [~61]		20 (20.4)
SKY-R125SUE-3				193 [~177]				41 [~58]		30 (30.6)

※It is the date value in parenthesis when load in maximum.

G-t-type  
L-t-type  
E-t-type  
M-t-type  
S-t-type  
J-t-type  
PM-t-type  
H-t-type  
AF-t-type  
NP-t-type  
SKY-t-type  
SILENT-t-type  
OTHER

S M O O S T A R (Shock Absorbing) / SKY-type

# SKY-R-S

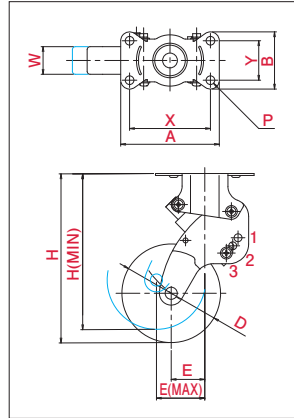
φ 100 125

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)		Stainless
Single Bearing	Double Bearing	
Single stopper	Double stopper	

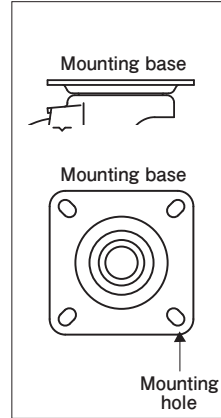


SKY-R125SUES-1

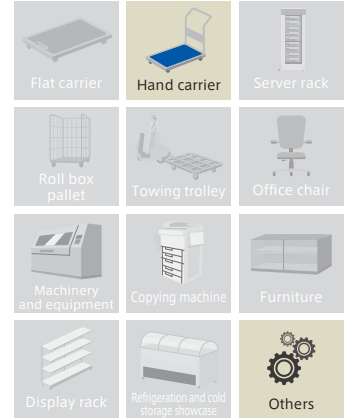
•External dimensions




•Mounting Method (Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Proper Load (daN / kgf)
SKY-R100SUES-1		100	28	171 [~148]	100×58	82×40	8.8	34 [~57]		10 (10.2)
SKY-R100SUES-2				171 [~154]				34 [~52]		20 (20.4)
SKY-R100SUES-3				171 [~158]				34 [~49]		30 (30.6)
SKY-R125SUES-1		125	32	193 [~167]				41 [~66]		10 (10.2)
SKY-R125SUES-2				193 [~173]				41 [~61]		20 (20.4)
SKY-R125SUES-3				193 [~177]				41 [~58]		30 (30.6)

※It is the date value in parenthesis when load in maximum.

# SKY-T

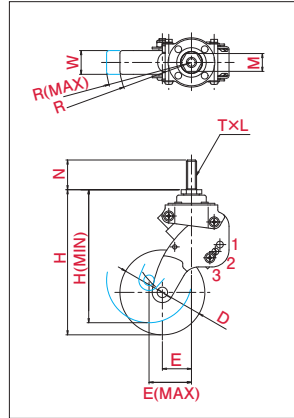
φ 100 125

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Radial Bearing
Single stopper	Double stopper

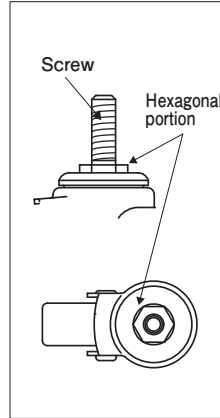


SKY-T125SUE-1, M16×40

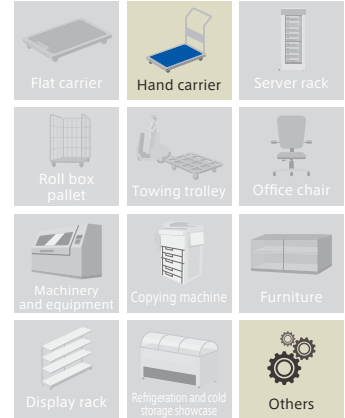
•External dimensions



•Mounting Method (Screw-in Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Proper Load (daN / kgf)
SKY-T100SUE-1, M12×35		100	28	171 [~148]	M12	1.75	35	21	34 [~59]	84 [~107]	10 (10.2)
SKY-T100SUE-1, M16×40					M16	2	40	23			
SKY-T100SUE-2, M12×35				171 [~154]	M12	1.75	35	21	34 [~53]	84 [~103]	20 (20.4)
SKY-T100SUE-2, M16×40					M16	2	40	23			
SKY-T100SUE-3, M12×35				171 [~157]	M12	1.75	35	21	34 [~50]	84 [~103]	30 (30.6)
SKY-T100SUE-3, M16×40					M16	2	40	23			
SKY-T125SUE-1, M12×35		125	32	192 [~166]	M12	1.75	35	21	41 [~66]	104 [~129]	10 (10.2)
SKY-T125SUE-1, M16×40					M16	2	40	23			
SKY-T125SUE-2, M12×35				192 [~173]	M12	1.75	35	21	41 [~61]	104 [~124]	20 (20.4)
SKY-T125SUE-2, M16×40					M16	2	40	23			
SKY-T125SUE-3, M12×35				192 [~177]	M12	1.75	35	21	41 [~58]	104 [~121]	30 (30.6)
SKY-T125SUE-3, M16×40					M16	2	40	23			

※It is the date value in parenthesis when load in maximum.

•We have specific spanner for castor wheel. Please purchase separately.

YUEI spanner (19×21mm wrench)  
21×23mm wrench

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

S M O O S T A R (Shock Absorbing) / SKY-type

# SKY-T-S

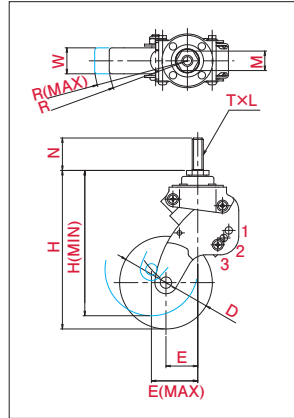
φ 100 125

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Radial Bearing
Single stopper	Double stopper

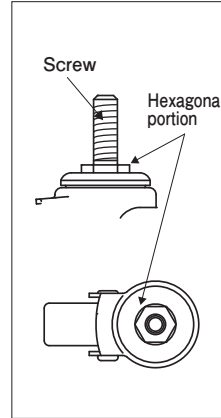


SKY-T125SUES-1,  
M16 x 40

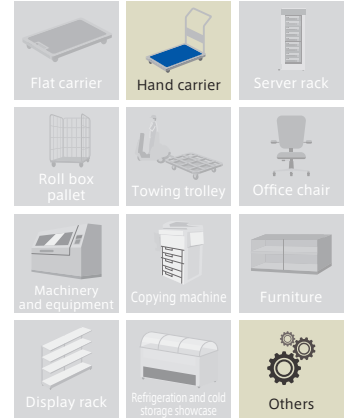
•External dimensions




•Mounting Method (Screw-in Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Proper Load (daN / kgf)				
SKY-T100SUES-1,M12×35		100	28	171 [~148]	M12	1.75	35	21	34 [~59]	110 [~112]	10 (10.2)				
SKY-T100SUES-1,M16×40					M16	2	40	23							
SKY-T100SUES-2,M12×35				125	32	171 [~154]	M12	1.75	35	21	34 [~53]	110 [~113]	20 (20.4)		
SKY-T100SUES-2,M16×40							M16	2	40	23					
SKY-T100SUES-3,M12×35						171 [~157]	M12	1.75	35	21	34 [~50]	110 [~113]	30 (30.6)		
SKY-T100SUES-3,M16×40							M16	2	40	23					
SKY-T125SUES-1,M12×35	Wheel: Nylon Tread: Antistatic Urethane (including B)	125	32	192 [~166]	M12	1.75	35	21	41 [~66]	116 [~129]	10 (10.2)				
SKY-T125SUES-1,M16×40					M16	2	40	23							
SKY-T125SUES-2,M12×35				192 [~173]	M12	1.75	35	21	41 [~61]	116 [~124]	20 (20.4)				
SKY-T125SUES-2,M16×40					M16	2	40	23							
SKY-T125SUES-3,M12×35					192 [~177]	M12	1.75	35				21	41 [~58]	116 [~121]	30 (30.6)
SKY-T125SUES-3,M16×40						M16	2	40				23			

※It is the date value in parenthesis when load in maximum.

•We have specific spanner for castor wheel.  
Please purchase separately.

YUEI spanner (19×21mm wrench)  
21×23mm wrench

# NPG

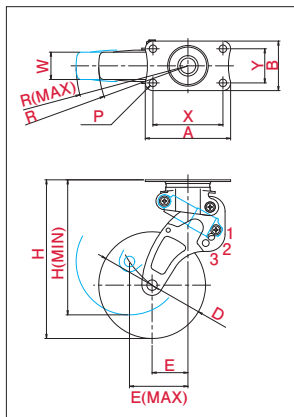
φ 100 125

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

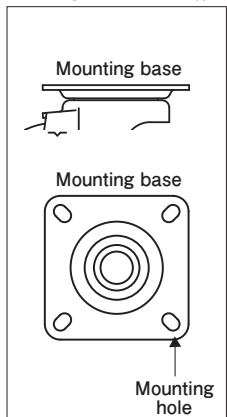


NPG-125SUE-1

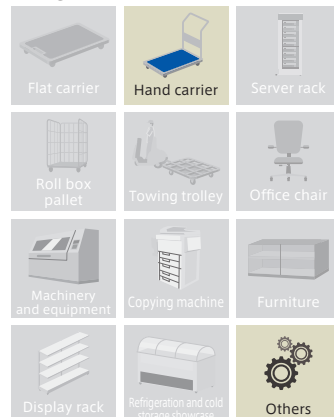
•External dimensions




•Mounting Method(Plate Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)		
NPG-100SUE-1		100	28	165[~140]	100×58	82×40	8.8	35[~59]	85[~110]	10(10.2)		
NPG-100SUE-2				165[~147]				35[~54]	85[~105]	20(20.4)		
NPG-100SUE-3				165[~150]				35[~51]	85[~102]	30(30.6)		
*NPG-100SUES-1				165[~140]				35[~59]	111[~115]	10(10.2)		
*NPG-100SUES-2				165[~147]				35[~54]	111[~115]	20(20.4)		
*NPG-100SUES-3				165[~150]				35[~51]	111[~115]	30(30.6)		
NPG-125SUE-1				125				32	186[~159]	42[~68]	105[~131]	10(10.2)
NPG-125SUE-2									186[~166]	42[~63]	105[~126]	20(20.4)
NPG-125SUE-3									186[~170]	42[~59]	105[~123]	30(30.6)
*NPG-125SUES-1									186[~159]	42[~68]	117[~131]	10(10.2)
*NPG-125SUES-2	186[~166]	42[~63]	117[~126]		20(20.4)							
*NPG-125SUES-3	186[~170]	42[~59]	117[~123]		30(30.6)							

※It is the date value in parenthesis when load in maximum. \* (With Stopper)

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

S M O O S T A R (Shock Absorbing) / NP-type

# NPR

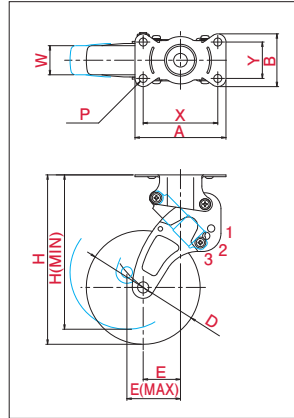
φ 100 125

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)		Stainless
Single Bearing		Double Bearing
Single stopper		Double stopper

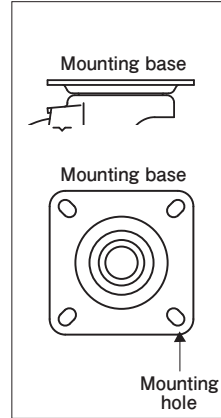


NPR-125SUE-3

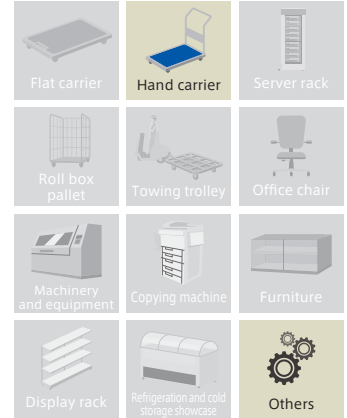
External dimensions




Mounting Method (Plate Type)



Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Proper Load (daN / kgf)
NPR-100SUE-1		100	28	165[~140]	100×58	82×40	8.8	34[~58]		10(10.2)
NPR-100SUE-2				165[~147]				34[~53]		20(20.4)
NPR-100SUE-3				165[~150]				34[~50]		30(30.6)
*NPR-100SUES-1				165[~140]				34[~58]		10(10.2)
*NPR-100SUES-2				165[~147]				34[~53]		20(20.4)
*NPR-100SUES-3				165[~150]				34[~50]		30(30.6)
NPR-125SUE-1		125	32	186[~159]				41[~67]		10(10.2)
NPR-125SUE-2				186[~166]				41[~62]		20(20.4)
NPR-125SUE-3				186[~170]				41[~58]		30(30.6)
*NPR-125SUES-1				186[~159]				41[~67]		10(10.2)
*NPR-125SUES-2				186[~166]				41[~62]		20(20.4)
*NPR-125SUES-3				186[~170]				41[~58]		30(30.6)

Wheel: Nylon  
Tread: Antistatic Urethane (including B)

※It is the date value in parenthesis when load in maximum. \* (With Stopper)



# NPT

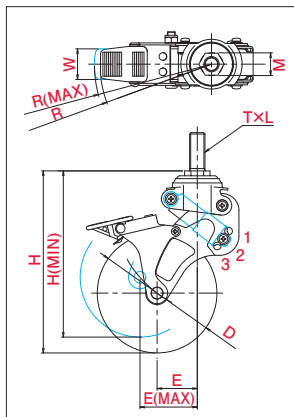
φ 100 125

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single stopper	Double stopper

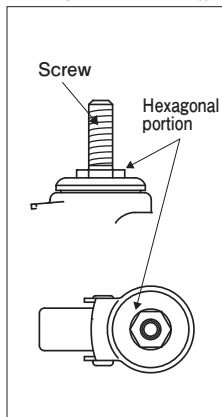


NPT-125SUE-2

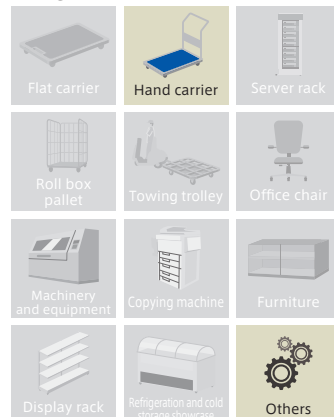
•External dimensions



•Mounting Method (Screw-in Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Proper Load (daN / kgf)			
NPT-100SUE-1,M12×35		100	28	169[~144]	M12	1.75	35	21	35[~59]	85[~110]	10(10.2)			
NPT-100SUE-1,M16×40					M16	2	40	23						
NPT-100SUE-2,M12×35				169[~151]	M12	1.75	35	21	35[~54]	85[~105]	20(20.4)			
NPT-100SUE-2,M16×40					M16	2	40	23						
NPT-100SUE-3,M12×35				169[~154]	M12	1.75	35	21	35[~51]	85[~102]	30(30.6)			
NPT-100SUE-3,M16×40					M16	2	40	23						
* NPT-100SUES-1,M12×35				169[~144]	M12	1.75	35	21	35[~59]	111[~110]	10(10.2)			
* NPT-100SUES-1,M16×40					M16	2	40	23						
* NPT-100SUES-2,M12×35				169[~151]	M12	1.75	35	21	35[~54]	111[~105]	20(20.4)			
* NPT-100SUES-2,M16×40					M16	2	40	23						
* NPT-100SUES-3,M12×35				169[~154]	M12	1.75	35	21	35[~51]	111[~102]	30(30.6)			
* NPT-100SUES-3,M16×40					M16	2	40	23						
NPT-125SUE-1,M12×35					125	32	190[~163]	M12	1.75	35	21	42[~68]	105[~131]	10(10.2)
NPT-125SUE-1,M16×40								M16	2	40	23			
NPT-125SUE-2,M12×35							190[~170]	M12	1.75	35	21	42[~63]	105[~126]	20(20.4)
NPT-125SUE-2,M16×40								M16	2	40	23			
NPT-125SUE-3,M12×35							190[~174]	M12	1.75	35	21	42[~59]	105[~123]	30(30.6)
NPT-125SUE-3,M16×40								M16	2	40	23			
* NPT-125SUES-1,M12×35	190[~163]	M12	1.75				35	21	68[~68]	117[~131]	10(10.2)			
* NPT-125SUES-1,M16×40		M16	2				40	23						
* NPT-125SUES-2,M12×35	190[~170]	M12	1.75				35	21	68[~63]	131[~131]	20(20.4)			
* NPT-125SUES-2,M16×40		M16	2				40	23						
* NPT-125SUES-3,M12×35	190[~174]	M12	1.75				35	21	68[~59]	131[~123]	30(30.6)			
* NPT-125SUES-3,M16×40		M16	2				40	23						

Wheel: Nylon  
Tread: Antistatic (without including B)

※It is the date value in parenthesis when load in maximum. \* (With Stopper)

•We have specific spanner for castor wheel. Please purchase separately.

YUEI spanner (19×21mm wrench)

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

# SILENTSTAR

Silent and smooth running.

Smooth running model with high accuracy built-in bearing.



**LINEUP**

•E-type •S-type •J-type •SILENT-type

# SILENTSTAR

## LOW - NOISE CASTER



High grade model - improved silent ability by built-in bearing.  
It's suitable for using in office, hospital, library.

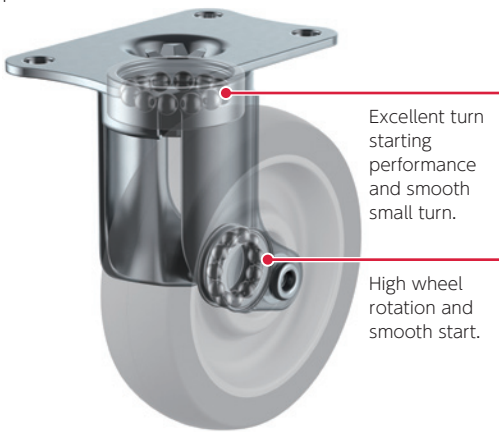
Noise reduction 10db

### POINT

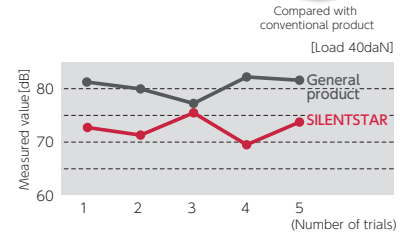
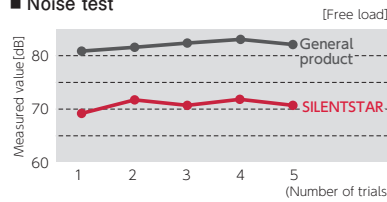
High silence and starting performance by radial bearing.

#### Used radial bearing

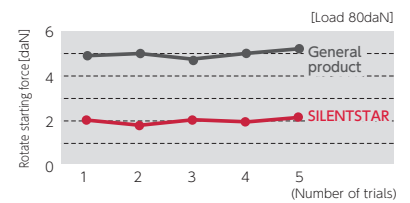
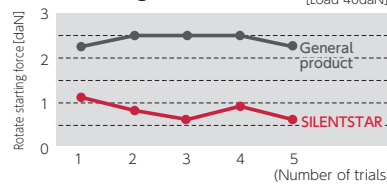
For turning parts and wheel, radial bearing is introduced. SILENTSTAR is improved silence and turn starting performance. 10db lower noise than conventional product.



#### Noise test

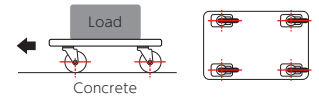


#### Rotate starting force test



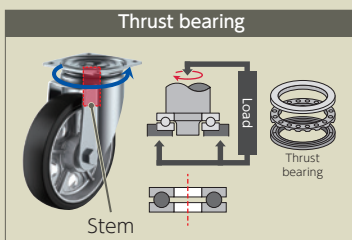
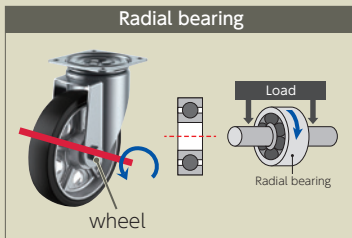
#### Rotate starting force test

Compared rotate starting force by push scale when caster starts moving.



### Column Bearing line up

Radial bearing receives vertical load. Slant bearing receives horizontal load. Radial works for wheel rotation, and Slant works for turning performance.



#### Radial ball bearing

(Deep ball bearing: shield type)  
Used for wheel. Grease is sealed. Excellent bearing for silence, wheel rotation, load capacity.

Example | LIGHTSTAR E/S Wheel (NRB·UHF)



#### Radial ball bearing

(Deep ball bearing: open type)  
Used for wheel. Open type deep ball bearing, it can release rotation heat. Excellent bearing for silence, wheel rotation, load capacity.

Example | SMOOSTAR NPG/NPR/NRT Wheel



#### Slant bearing

Used for turning parts. Excellent rotation and durability bearing.

Example | SILENTSTAR PLJ Turning parts



#### Needle bearing

Used for wheel. Power is received by line parts. light and durability bearing.

Example | SHORTSTAR UHG/CAL-UHG Wheel



#### Commercial bearing (with resin retainer)

Used for wheel. It can use just pressing into the wheel. General bearing for caster wheel.

Example | HEAVYSTAR J Wheel MIDDLESTAR SJ/RJ2 Wheel



## LINE UP

---

### **EF** P.220

EF-65ELSB  
EF-75ELSB

### **EF-DS** P.220

EF-75ELSBDS

### **ER** P.221

ER-65ELSB (H83)  
ER-75ELSB (H93)

### **EFT** P.221

[M12×35]  
EFT-65ELSB  
EFT-75ELSB

### **EFT-DS** P.222

[M12×35]  
EFT-75ELSBDS

### **SFHG** P.223

SFHG-75NRB  
SFHG-100NRB/SEL

### **SFHG-DS** P.224

SFHG-75NRBDS  
SFHG-100NRBDS/SELD

### **SR** P.225

SR-85-75NRB  
SR-100SEL/NRB

### **SFHT** P.226

[M16×40]  
SFHT-75NRB  
SFHT-100NRB/SEL

### **SFHT-DS** P.227

[M16×40]  
SFHT-75NRBDS  
SFHT-100NRBDS/SELD

### **SJF** P.228

SJF-100NR-G/NR

### **SJF-S** P.229

SJF-100NRS-G/NRS

### **SK** P.230

SK-100NRF/NRF-G

### **J2F** P.231

NRJ2F-130  
NRJ2F-150/NRJ2F-G

### **J2F-S** P.232

NRJ2F-150S/NRJ2F-G

### **K2** P.233

NRFK2-130  
NRFK2-150/NRFK2-G

### **JF** P.234

WFJF-200-G/WFJF

### **K** P.235

WFK-200/WFK-G

### **PLJ** P.236

PLJ-100NR/GU  
PLJ-130NR/GU

### **PLK** P.237

PLK-100NR/GU  
PLK-130NR/GU

G-t-type

L-t-type

E-t-type

M-t-type

S-t-type

J-t-type

PM-t-type

H-t-type

AF-t-type

NP-t-type

SKY-t-type

SILENT-t-type

OTHER

## SILENT STAR (For Light Duty, Silence) / E-type

EF

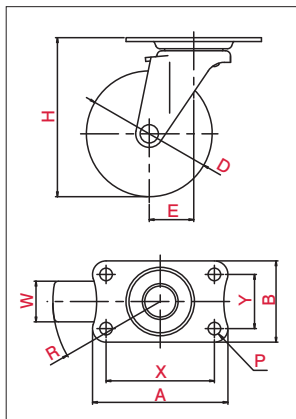
φ 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

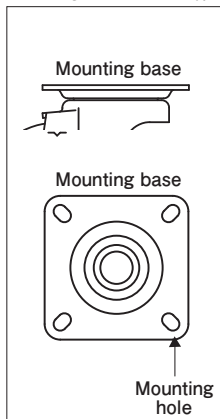


EF-75ELSB

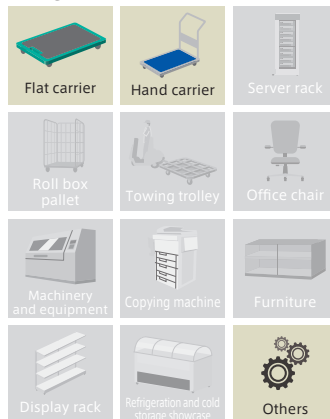
## •External dimensions




## •Mounting Method(Plate Type)



## •Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
EF-65ELSB	 Wheel:PP Tread:Elastomer(including B)	65	20	83	70×42	56×28	6.5	21	54	30(30.6)
EF-75ELSB		75		93					59	35(35.7)

## SILENT STAR (For Light Duty, Silence) / E-type

EF-DS

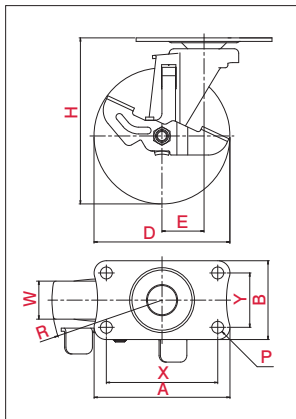
φ 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

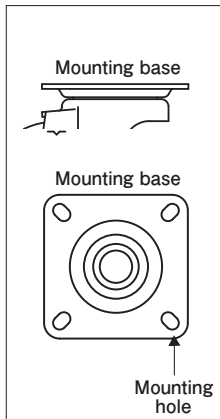


EF-75ELSBDS

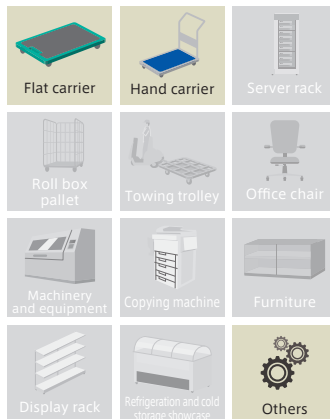
## •External dimensions




## •Mounting Method(Plate Type)



## •Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
EF-75ELSBDS	 Wheel:PP Tread:Elastomer(including B)	75	20	93	70×42	56×28	6.5	21	61	35(35.7)

# SILENT STAR (For Light Duty, Silence) / E-type

# ER

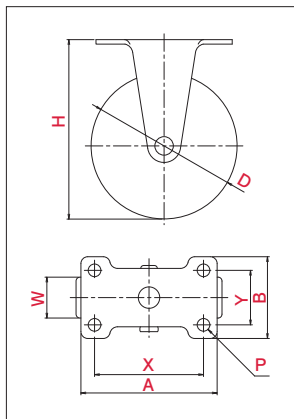
φ 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

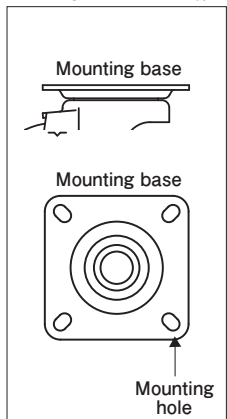


ER-75ELSB (H93)

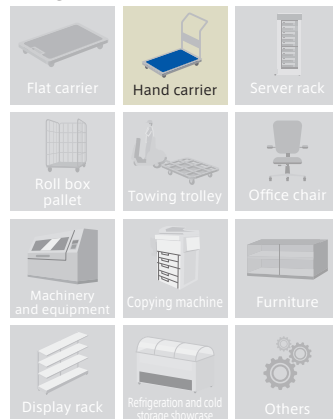
### External dimensions




### Mounting Method (Plate Type)



### Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
ER-65ELSB (H83)		65	20	83	70×42	56×28	6.5			30 (30.6)
ER-75ELSB (H93)		75		93						35 (35.7)
	Wheel: PP Tread: Elastomer (including B)									

# SILENT STAR (For Light Duty, Silence) / E-type

# EFT

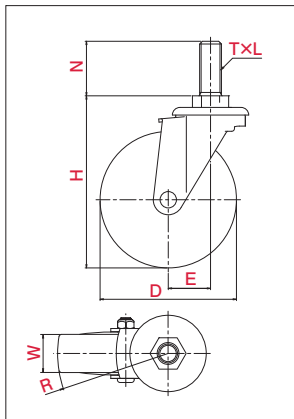
φ 65 75

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	Stainless	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

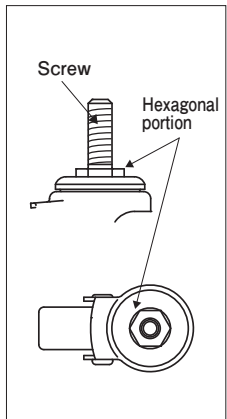


EFT-75ELSB, M12×35

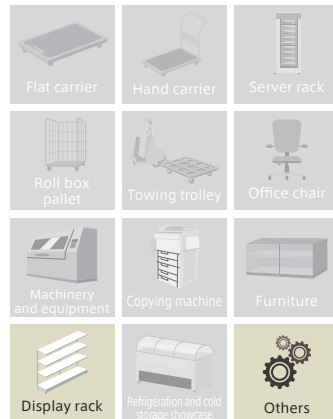
### External dimensions




### Mounting Method (Screw-in Type)



### Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
EFT-65ELSB, M12×35		65	20	87	M12	1.75	35	19	21	54	30 (30.6)
EFT-75ELSB, M12×35		75		97						59	35 (35.7)
	Wheel: PP Tread: Elastomer (including B)										

•We have specific spanner for castor wheel. Please purchase separately.

YUEI spanner (19×21mm wrench)

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

SILENT STAR (For Light Duty, Silence) / E-type

## EFT-DS

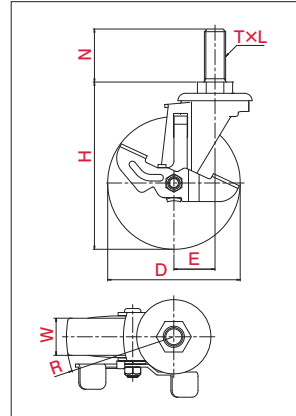
φ 75

Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Radial Bearing
Single stopper	Double stopper



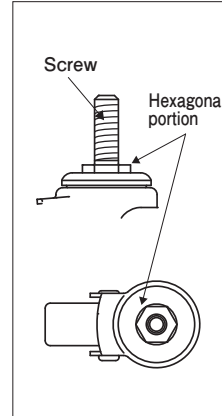
EFT-75ELSBDS, M12x35

## •External dimensions

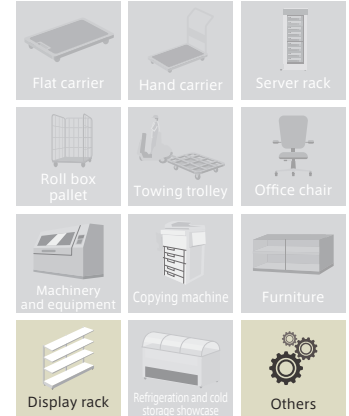



\*The Picture is a typical product image.

## •Mounting Method (Screw-in Type)



## •Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
EFT-75ELSBDS, M12x35	 Wheel:PP Tread:Elasomer(including B)	75	20	97	M12	1.75	35	19	21	61	35(35.7)

•We have specific spanner for castor wheel.  
Please purchase separately.

YUEI spanner (19x21mm wrench)



# SFHG

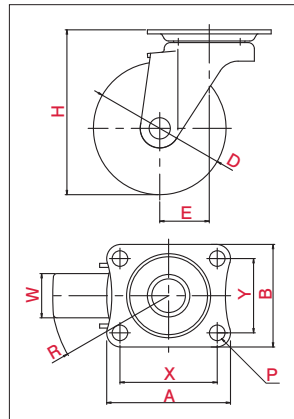
φ 75 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	



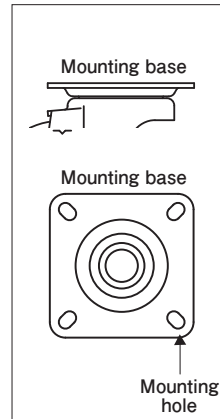
SFHG-100SEL

•External dimensions

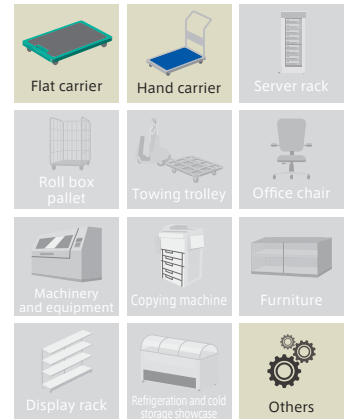


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SFHG-75NRB		75	27	98	70×58	55×42	8.8	29	67	60(61.2)
SFHG-100NRB		100		122	100×58	82×40		31	81	
SFHG-100SEL		100	28	122	100×58	82×40	8.8	31	81	50(51.0)

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

SILENT STAR (For Light Duty, Silence) / S-type

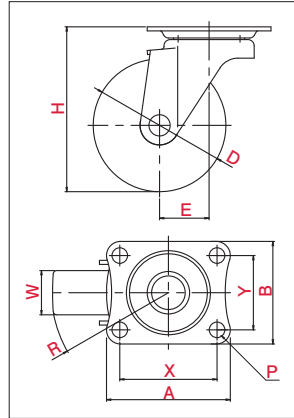
# SFHG-DS

φ 75 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

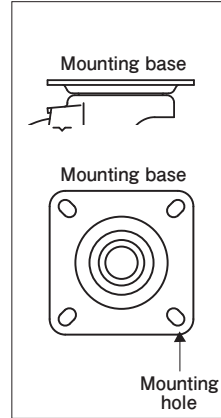


External dimensions

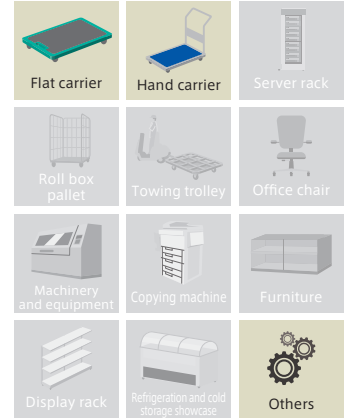


\*The Picture is a typical product image.

Mounting Method (Plate Type)



Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SFHG-75NRBDS		75	27	98	70×58	55×42	8.8	29	71	60 (61.2)
SFHG-100NRBDS		100		122	100×58	82×40		31	81	
SFHG-100SELDS		100	28	122	100×58	82×40	8.8	31	81	50 (51.0)

SILENT STAR (For Light Duty) / S-type

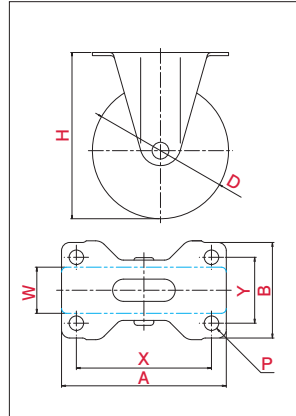
# SR

φ 75 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

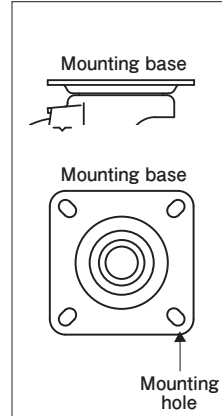


•External dimensions

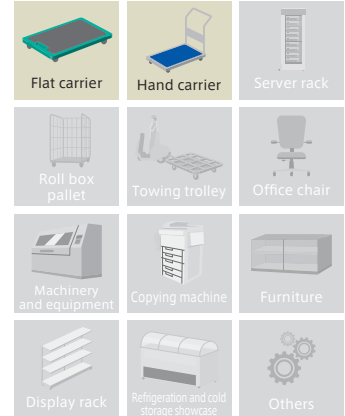


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SR-85-75NRB		75	27	98	70×60	55×42	8.8			60(61.2)
SR-100NRB		100		122	100×58	82×40				
	Wheel-Nylon Tread :Rubber(including B)									
SR-100SEL		100	28	122	100×58	82×40	8.8			50(51.0)
		Wheel-PP Tread :Elastomer(including B)								

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# SILENT STAR (For Light Duty, Silence) / S-type

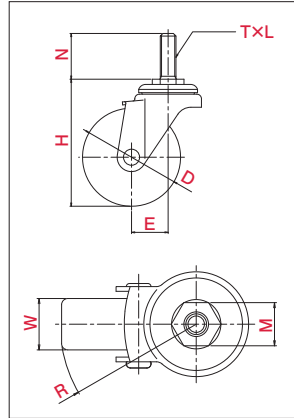
# SFHT

φ 75 100

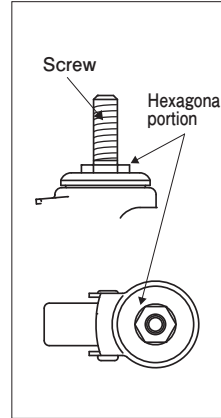
Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Radial Bearing
Single stopper	Double stopper



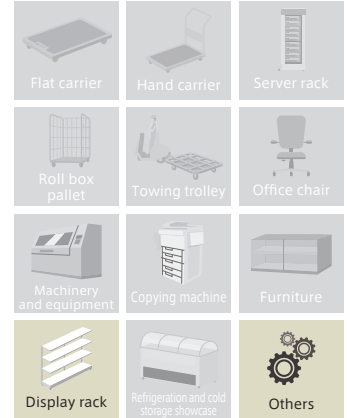
### External dimensions



### Mounting Method (Screw-in Type)



### Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SFHT-75NRB, M16x40		75	27	102	M16	2	40	23	29	67	60 (61.2)
SFHT-100NRB, M16x40		100		126							
SFHT-100SEL, M16x40		100	28	126	M16	2	40	23	31	81	50 (51.0)

•We have specific spanner for caster wheel. Please purchase separately. 21x23mm wrench

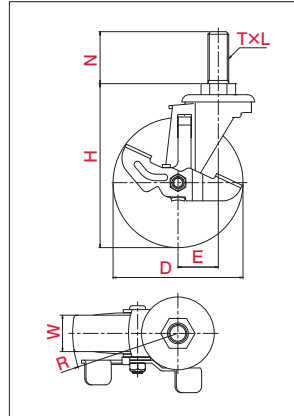
# SFHT-DS

φ 75 100

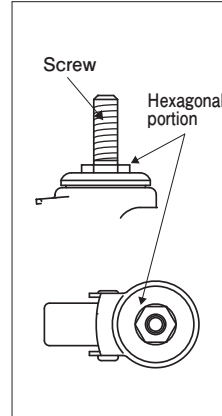
Swivel	Fixed
Plate Type	Screw-in Type / Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Single Bearing	Radial Bearing
Single stopper	Double stopper



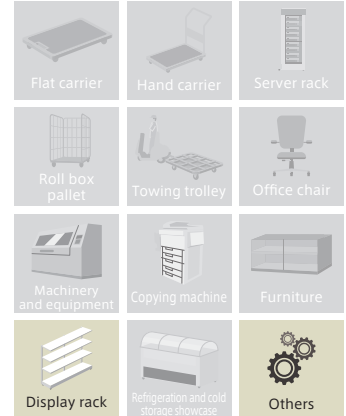
•External dimensions



•Mounting Method (Screw-in Type)



•Usage



\*The Picture is a typical product image.

Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
SFHT-75NRBDS, M16 x 40		75	27	102	M16	2	40	23	29	71	60 (61.2)
SFHT-100NRBDS, M16 x 40		100		126					31	81	
	Wheel: Nylon Tread: Rubber (including B)										
SFHT-100SE LDS, M16 x 40		100	28	126	M16	2	40	23	31	81	50 (51.0)
		Wheel: PP Tread: Elastomer (including B)									

•We have specific spanner for caster wheel. Please purchase separately. 21 x 23mm wrench

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

## SILENT STAR (For Medium Duty, Silence) / J-type

SJF

φ 100

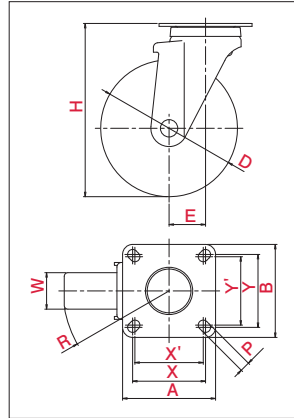
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	



SJF-100NR

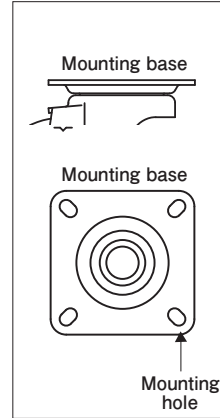
SJF-100NR-G

## •External dimensions

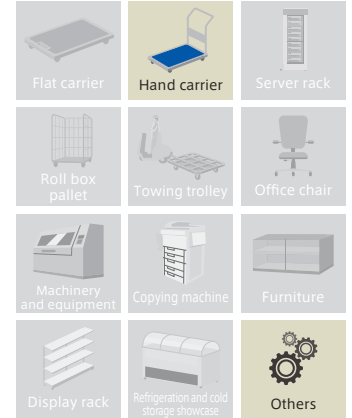




\*The Picture is a typical product image.

## •Mounting Method(Plate Type)



## •Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y'))[mm]	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
SJF-100NR-G	 Wheel:Nylon Tread:Rubber(including B)(gray)	100	32	132	90×90	71×71 (68×68)	11	32	82	100(102.0)
SJF-100NR	 Wheel:Nylon Tread:Rubber(including B)	100	32	132	90×90	71×71 (68×68)	11	32	82	100(102.0)

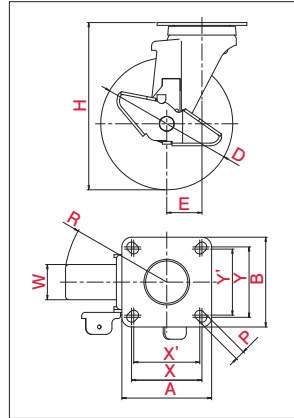
# SJF-S

φ 100

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

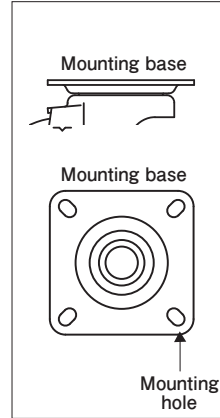


•External dimensions

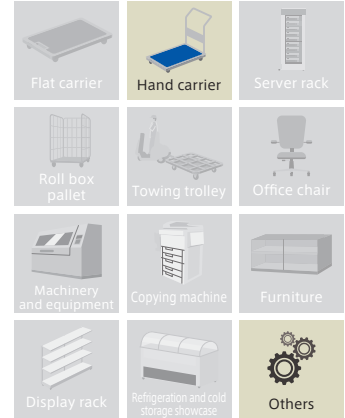


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)	
SJF-100NRS-G	 Wheel: Nylon Tread: Rubber (including B) (gray)	100	32	132	90×90	71×71 (68×68)	11	32	86	100 (102.0)	
SJF-100NRS	 Wheel: Nylon Tread: Rubber (including B)	100	32	132	90×90	71×71 (68×68)	11	32	86	100 (102.0)	

G-t-type  
L-t-type  
E-t-type  
M-t-type  
S-t-type  
J-t-type  
PM-t-type  
H-t-type  
AF-t-type  
NP-t-type  
SKV-t-type  
SILENT-t-type  
OTHER

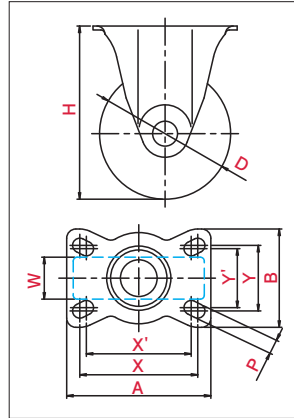
# SILENT STAR (For Medium Duty) / J-type

# SK $\phi 100$

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

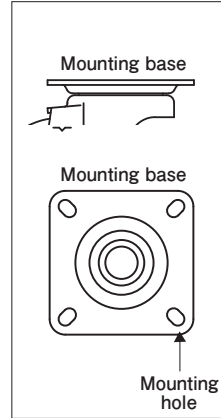


### External dimensions

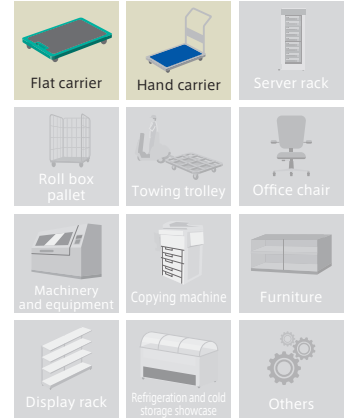




\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
SK-100NRF	 Wheel:Nylon Tread:Rubber(including B)	100	32	132	110×80	90×50(80×45)	11			100(102.0)
SK-100NRF-G	 Wheel:Nylon Tread:Rubber(including B)(gray)	100	32	132	110×80	90×50(80×45)	11			100(102.0)



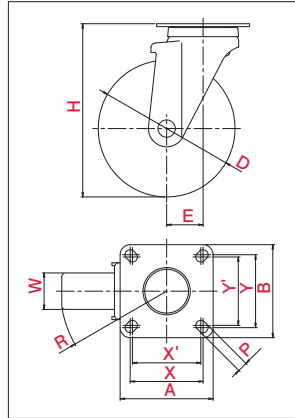
# J2F

φ 130 150

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

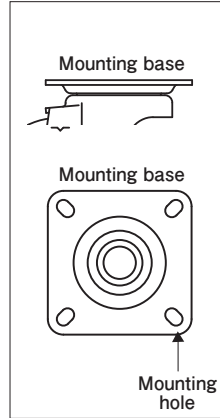


•External dimensions

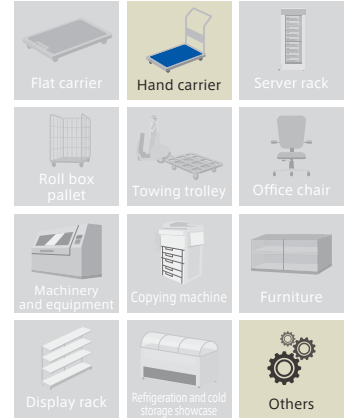


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
NRJ2F-130		130	40	170	102×102	80×80(75×75)	11	40	105	160(163.2)
NRJ2F-150		150		190					115	180(183.6)
	Wheel:Nylon Tread:Rubber(including B)									
NRJ2F-150-G		150	40	190	102×102	80×80(75×75)	11	40	115	180(183.6)
		Wheel:Nylon Tread:Rubber(including B)(gray)								

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# SILENT STAR (For Medium Duty, Silence) / J-type

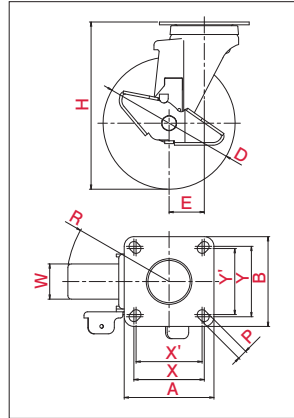
# J2F-S

φ 130 150

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	

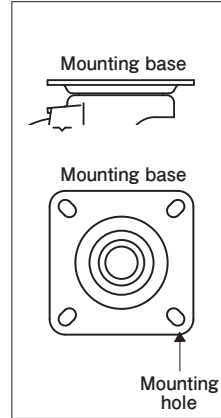


### External dimensions

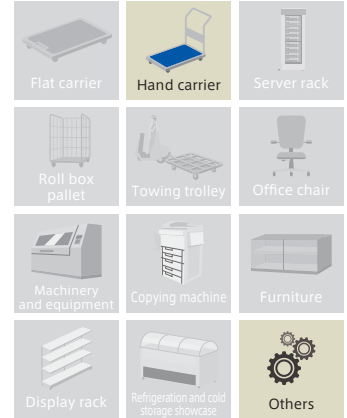




\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
NRJ2F-130S	 Wheel:Nylon Tread:Rubber(including B)	130	40	170	102×102	80×80(75×75)	11	40	108	160(163.2)
NRJ2F-150S		150		190					115	
NRJ2F-150S-G	 Wheel:Nylon Tread:Rubber(including B)(gray)	150	40	190	102×102	80×80(75×75)	11	40	115	180(183.6)

# K2

φ 125 130 150

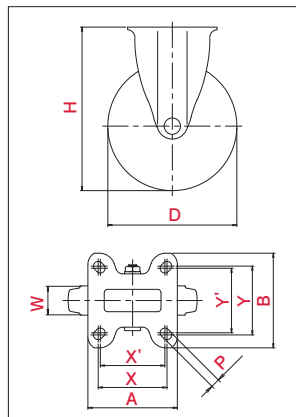
Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	

Light Duty  
Medium Duty  
Heavy Duty  
Office Equipment  
Low Profile  
Easy Lock  
Shock Absorbing  
Silence  
Towing  
Stainless Steel



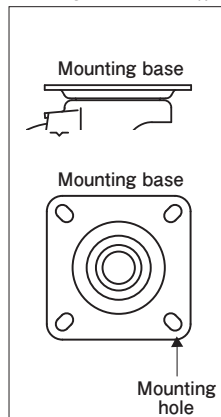
NRFK2-150-G

•External dimensions

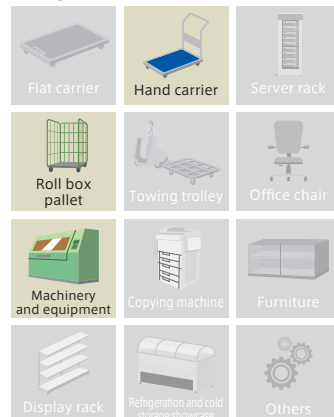


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
NRFK2-130		130	40	170	102×102	80×80(75×75)	11			160(163.2)
NRFK2-150		150		190	104×110					180(183.6)
	Wheel:Nylon Tread:Rubber(including B)									
NRFK2-150-G		150	40	190	104×110	80×80(75×75)	11			180(183.6)
		Wheel:Nylon Tread:Rubber(including B)(gray)								

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# SILENT STAR (For Heavy Duty, Silence) / SILENT-type

# JF

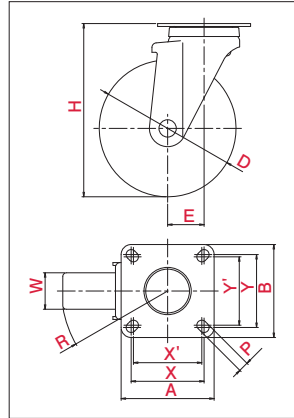
φ 200

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	



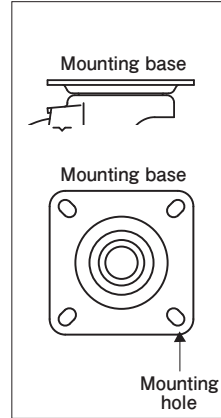
WFJF-200

### External dimensions

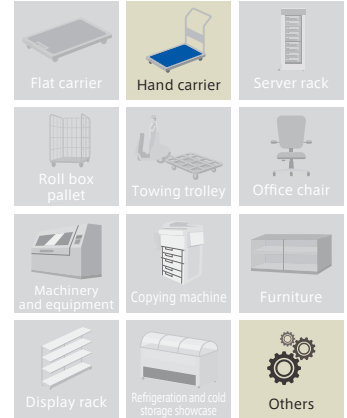




\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y'))[mm]	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
WFJF-200-G	 Wheel: Steel Plain Tread: Rubber (including B)	200	43	250	140×140	115×115(105×105)	11.5	56	156	200(204.0)
WFJF-200	 Wheel: Steel Plain Tread: Rubber (including B)	200	43	250	140×140	115×115(105×105)	11.5	56	156	200(204.0)

# SILENT STAR (For Heavy Duty, Silence) / J-type

# K

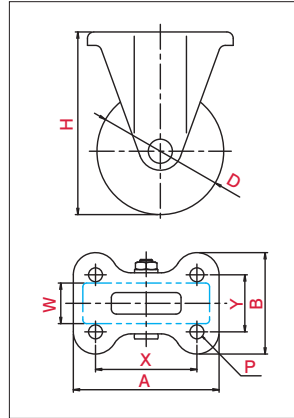
## φ 200

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



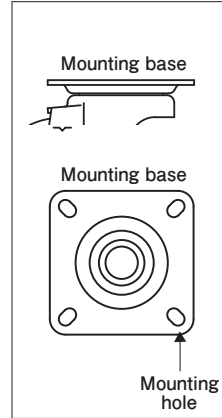
WFK-200

### External dimensions

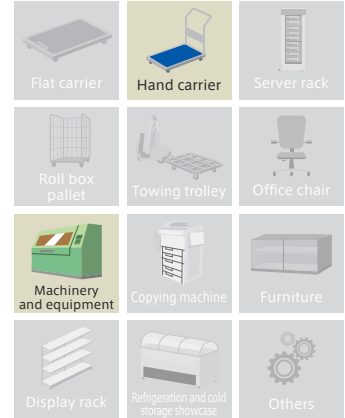


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
WFK-200-G		200	43	250	151×102	112×63	11.5			200(204.0)
WFK-200		200	43	250	151×102	112×63	11.5			200(204.0)

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# SILENT STAR (For Light Duty, Silence) / SILENT-type

# PLJ

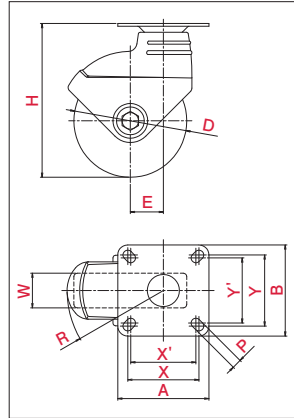
φ 100 130

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Radial Bearing	
Single stopper	Double stopper	



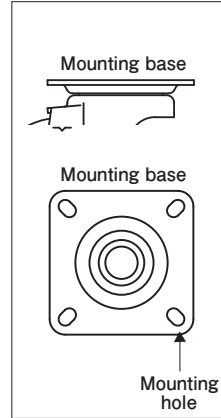
PLJ-100NR

### External dimensions

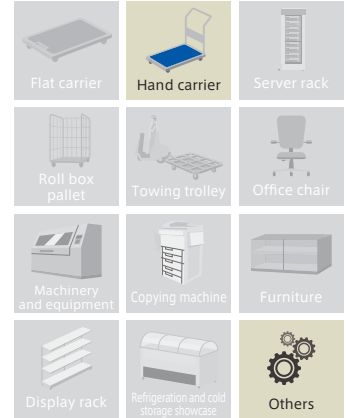


\*The Picture is a typical product image.

### Mounting Method (Plate Type)



### Usage



Product No.	Wheel	Wheel diameter (D)[mm]	Wheel Width (W)[mm]	Mounting height (H)[mm]	Mounting base (A×B)[mm]	Mounting dimensions (X×Y(X'×Y'))[mm]	Hole Diameter (P)[mm]	Eccentricity (E)[mm]	Turning Radius (R)[mm]	Allowance Load (daN / kgf)
PLJ-100NR		100	32	144	95×95	74×74(67×67)	9	35	96	80(81.6)
PLJ-130NR		130	40	177	105×105	82×82(75×75)	11	38	111	120(122.4)
PLJ-100GU		100	32	144	95×95	74×74(67×67)	9	35	96	80(81.6)
PLJ-130GU		130	40	177	105×105	82×82(75×75)	11	38	111	120(122.4)

# PLK

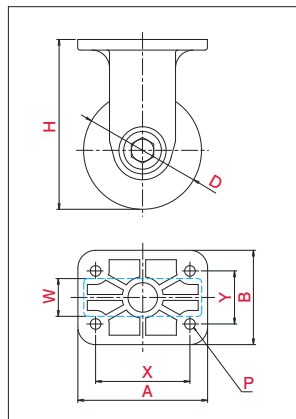
φ 100 130

Swivel	Fixed	
Plate Type	Screw-in Type	Insertion Type
BZP (Brilliant Zinc Plating)	CP (Chromium Plating)	
Single Bearing	Double Bearing	
Single stopper	Double stopper	



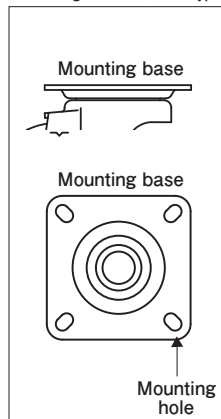
PLK-100NR

•External dimensions

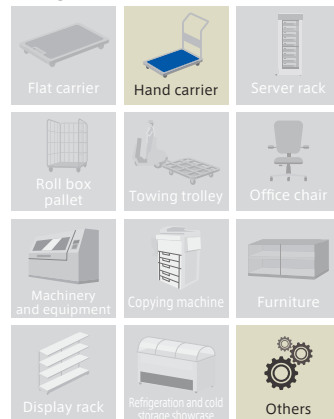


\*The Picture is a typical product image.

•Mounting Method(Plate Type)



•Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Mounting base (A×B[mm])	Mounting dimensions (X×Y[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
PLK-100NR		100	32	144	110×80	80×45	9			80(81.6)
PLK-130NR		130	40	177	130×90	100×56	11			120(122.4)
	Wheel:Nylon Tread:Rubber(including B)									
PLK-100GU		100	32	144	110×80	80×45	9			80(81.6)
PLK-130GU		130	40	177	130×90	100×56	11			120(122.4)
	Wheel:Nylon Tread:Urethane(including B)									

# LEADSTAR

Stable startability and runability when heavy goods loaded.  
Excellent durability and rigidity towing model.





LINEUP

•PM-type •SKY-type

# LEADSTAR

FOR TOWING Towing speed / under 10km/h

Durability Caster,  
improved startability and easy to control by towing

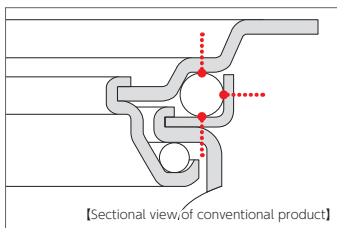


## POINT. 1 New design and new material, suitable for towing

•New design bearing structure: steel ball is supported by round face

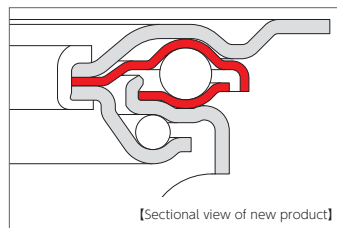
Holding power for steel ball is strengthened by new designed bearing structure. And reduced metal fatigue. Steel ball scratches on the raceway does NOT occur because turning property is stabilized. As a result, smooth running performance lasts long.

**OLD** Steel ball is held by point



- Holding power for steel ball is weak
- Turning parts deformation by wearing contact point
- Rattle and bad turning is happened

**NEW** New design bearing structure, steel ball is held by round face

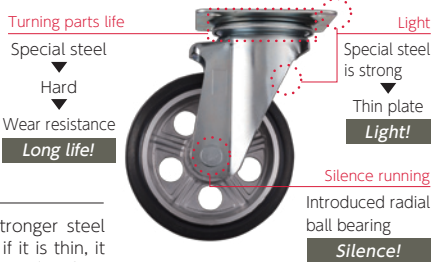


- Reduce the burden on the metal surface in contact with the steel ball and reduce the friction of the turning portion
- Introduced high-strength special steel SAPH 600 equivalent



•Special steel

For mounting plate and folk, introduced high-strength special steel which is used for car body. (High strength special steel SAPH 600 equivalent)



Special steel

Special steel is more stronger steel than general one. Even if it is thin, it has excellent strength and safety, that's the reason why special steel is used for car parts.

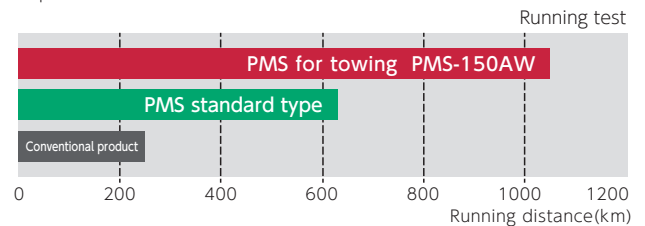
※Special steel is introduced for PMS.

•No problem even if running more than 1,000km.

Running test: Turntable style running test machine  
Load: 190daN  
Running speed: 10km/h  
Step: 5mm/one round

**Long life**  
2 times - 5 times

Compared with conventional product



## Excellent load capacity

Cleared maximum almost 3t load in compression test.  
Realized strength performance to afford to carry heavy objects

Compression test machine

When add the load to measure distortion, make the Estimated data of load capacity. There are two kinds of test which Breaking test (To load destruction) and Static load test (To load the constant load for a certain period of time)



Load capacity test

Emphasize on load capacity  
PMS-150UWB/INJ

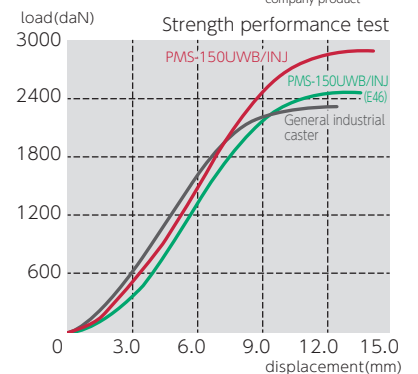
Enough load capacity for heavy load transport

According to compression test, maximum load of PMS-150UWB/INJ is 2,902daN. It is 125% stronger than other companies products. There is a load performance that can afford to carry heavy load as well.

Product name	Maximum load (daN)	Deformation amount (mm)
PMS-150WB/INJ	2902	13.76
PMS-150UWB/INJ (E46)	2465	13.90
General industrial caster	2320	11.92

**Load Capacity**  
125%

Compared with other company product



※This is a test results, no means warranty.

## Compared with other companies product

**Reduce load 30%**

Compared with conventional product (500daN)

### Excellent startability

#### Reduced 30% starting force compared with conventional product

Also so smooth to change direction

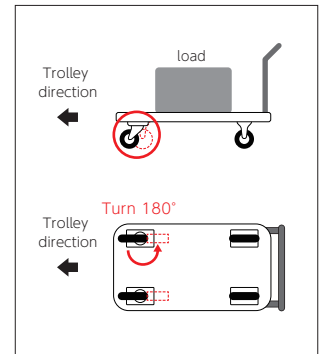
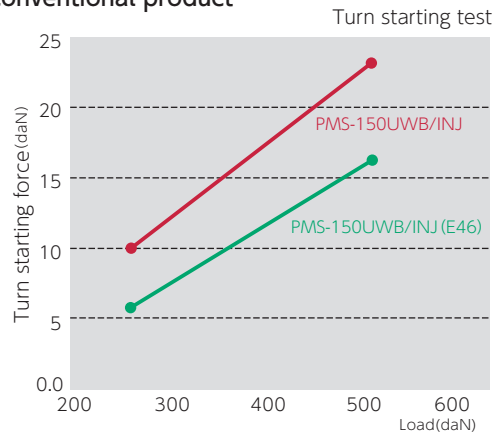
Emphasize on startability  
PMS-150UWB/INJ (E46)

#### Starting force test

Excellent operability with light starting force. Even compared with other companies product, PMS realized 18% less load when caster turns.

#### Test results of turn starting force

Product name	Load 250daN	Load 500daN
PMS-150IWB/INJ	9.7	23.4
PMS-150UWB/INJ (E46)	5.9	16.9

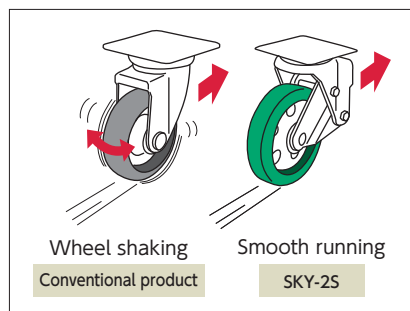


Turn starting test (180°)

## Low noise

New design for withstanding hard carrying which is towing heavy goods by motive power. Introduced Aluminum die-casting wheel by self-development for strengthening turning parts and reducing shimmy phenomenon.

Prevents Shimmy Phenomenon: wheel shaking in high speed towing.



No shimmy phenomenon even over 10km/h speed

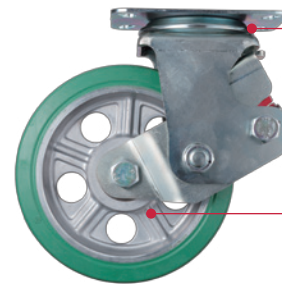
Shimmy phenomenon might cause trouble which turning parts is broken due to metal fatigue.

For new model, special steel is chosen and new bearing structure keeps steel ball and lateral runout of the wheel reduced greatly.



New Design Bearing Structure

Silence performance - low noise

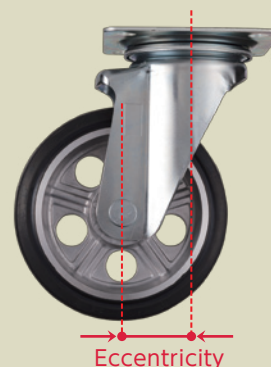


Excellent Rotational Accuracy Aluminum Die Casting Wheel

Reduced wheel squareness and noise

## Column Eccentricity

Bigger eccentricity makes better turning performance and also low shimmy phenomenon, long-life wheel.



## LINE UP

---

### PMS

P.138

PMS-150AW  
PMS-200AW

### PMS-LB(R)

P.139

PMS-150AWLB (R)  
PMS-200AWLB (R)

### PMR

P.142

PMR-150AW  
PMR-200AW

### PMR-LB(R)

P.143

PMR-150AWLB (R)  
PMR-200AWLB (R)

### SKY-2S

P.205

SKY-2S150AW-A-1/AW-A-2/WF(AR)-A-1/WF(AR)-A-2/  
WF(Gr)-A-1/WF(Gr)-A-2/AW(AR)Gr-A-1/  
AW(AR)Gr-A-2/UWF-A-1/UWF-A-2/UWF/INJ-A-1/  
UWF/INJ-A-2  
SKY-2S200AW-A-1/AW-A-2/AW-B-1/AW-B-2/WF(AR)-A-1/  
WF(AR)-A-2/WF(AR)-B-1/WF(AR)-B-2/WF(Gr)-A-1/  
WF(Gr)-A-2/WF(Gr)-B-1/WF(Gr)-B-2/AW(AR)Gr-A-1/  
AW(AR)Gr-A-2/AW(AR)Gr-B-1/AW(AR)Gr-B-2/  
UWF-A-1/UWF-A-2/UWF-B-1/UWF-B-2/  
UWF/INJ-A-1/UWF/INJ-A-2/UWF/INJ-B-1/  
UWF/INJ-B-2

### SKY-2R

P.206

SKY-2R150AW-A-1/AW-A-2/WF(AR)-A-1/WF(AR)-A-2/  
WF(Gr)-A-1/WF(Gr)-A-2/AW(AR)Gr-A-1/  
AW(AR)Gr-A-2/UWF-A-1/UWF-A-2/UWF/INJ-A-1/  
UWF/INJ-A-2  
SKY-2R200AW-A-1/AW-A-2/AW-B-1/AW-B-2/WF(AR)-A-1/  
WF(AR)-A-2/WF(AR)-B-1/WF(AR)-B-2/  
WF(Gr)-A-1/WF(Gr)-A-2/WF(Gr)-B-1/WF(Gr)-B-2/  
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UWF-B-2/UWF/INJ-A-1/UWF/INJ-A-2/UWF/INJ-B-1/  
UWF/INJ-B-2



# STAINLESTAR

Heat-resistance, water-resistance, hard to get rust.  
Stainless model with durability and anti- corrosion.



**LINEUP**

•S-type •E-type •J-type •H-type

# STAINLESTAR

## STAINLESS CASTER



Excellent corrosion resistant all Stainless (SUS304)  
Even if wet conditon, this is a long-life caster

### POINT. 1 Corrosion resistance

Introduced stainless steel for all parts from folk to steel ball  
We recommend using in water section: seafood processing, food factory, kitchen equipment etc.



Image of stainless steel

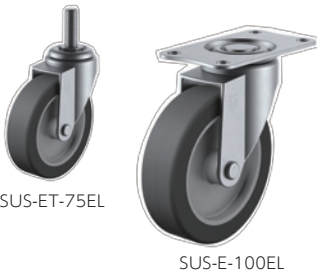
#### •SUS304

The most typical stainless steel which is included 18% chromium and 8% nickel. Stainless steel resists getting rust by making membrane when chromium is into the steel. This membrane protects from rust factor and is able self-renewal by oxygen. SUS304 is used for food equipment and general chemical facility etc.

### POINT. 2 Various line up for light duty, middle duty, heavy duty

Suitable for water section equipment: trolley, wagon, tank.

#### •LIGHTSTAR



#### •MIDDLESTAR



#### •HEAVYSTAR

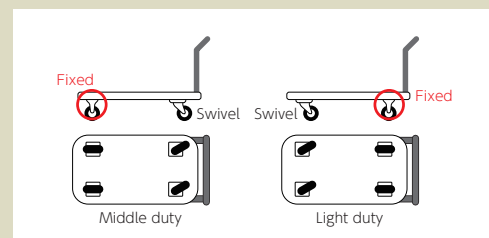


#### •SHORTSTAR



### Column Caster mounting position

Better operability by setting swivel caster on front. It's suitable for carrying light duty goods.  
Able to turn with small power by setting swivel caster on back. It's suitable for middle duty and heavy duty goods.





## LINE UP

<b>SUS-SG</b> SUS-SG-50EL/RH/N/UR SUS-SG-65EL/RH/N/UR SUS-SG-75EL/RH/N/UR/NR	P.016	<b>SUS-J2</b> SUS-NRJ2-130/N/GU SUS-NRJ2-150/N/GU	P.089	<b>SUS-HG-S</b> SUS-HG-50GNBS/MC/MCE SUS-HG-65GNBS/MC/MCE/PB SUS-HG-75GNBS/MC/MCE/PB	P.147
<b>SUS-SG-S</b> SUS-SG-50ELS/RH/N/UR SUS-SG-65ELS/RH/N/UR SUS-SG-75ELS/RH/N/UR/NR	P.019	<b>SUS-J2-S</b> SUS-NRJ2-130S/N/GU SUS-NRJ2-150S/N/GU	P.091	<b>SUS-HR</b> SUS-HR-50GNB/MC/MCE SUS-HR-65GNB/MC/MCE/PB SUS-HR-75GNB/MC/MCE/PB	P.154
<b>SUS-SR</b> SUS-SR-50EL/RH/N/UR SUS-SR-65EL/RH/N/UR SUS-SR-75EL/RH/N/UR/NR	P.023	<b>SUS-K2</b> SUS-NRK2-130/N/GU SUS-NRK2-150/N/GU	P.101	<b>SUS-HSG</b> SUS-HSG-50GFB/MC/MCE/PB SUS-HSG-65GNB/MC/MCE/PB SUS-HSG-75GNB/MC/MCE/PB	P.157
<b>SUS-ST</b> [M12×35] SUS-ST-50EL/RH/N/UR SUS-ST-65EL/RH/N/UR SUS-ST-75EL/RH/N/UR/NR/UR [M16×40] SUS-ST-50EL/RH/N/UR SUS-ST-65EL/RH/N/UR SUS-ST-75EL/RH/N/UR/NR/UR [W3/4×40] SUS-ST-50EL/RH/N/UR SUS-ST-65EL/RH/N/UR SUS-ST-75EL/RH/N/UR/NR/UR	P.033–P.034	<b>SUS-SJ</b> SUS-SJ-100NR/N/NB/GU SUS-SJ-125GU	P.103		
<b>SUS-ST-S</b> [M12×35] SUS-ST-50ELS/RH/N/UR SUS-ST-65ELS/RH/N/UR SUS-ST-75ELS/RH/N/UR/NR [M16×40] SUS-ST-50ELS/RH/N/UR SUS-ST-65ELS/RH/N/UR SUS-ST-75ELS/RH/N/UR/NR [W3/4×40] SUS-ST-50ELS/RH/N/UR SUS-ST-65ELS/RH/N/UR SUS-ST-75ELS/RH/N/UR/NR	P.037–P.038	<b>SUS-SJ-S</b> SUS-SJ-100NRS/N/NB/GU SUS-SJ-125GUS	P.106		
<b>SUS-E</b> SUS-E-50EL/R/N/UR SUS-E-65EL/RH/N/UR SUS-E-75EL/RH/N/UR SUS-E-100EL/RH/N/UR/NR	P.048	<b>SUS-SJT</b> [M16×40] SUS-SJT-100BRU,BC/GU/N SUS-SJT-125BRU,BC/GU [M20×40] SUS-SJT-100BRU,BC/GU/N SUS-SJT-125BRU,BC/GU	P.109		
<b>SUS-E-S</b> SUS-E-50ELS/R/N/UR SUS-E-65ELS/RH/N/UR SUS-E-75ELS/RH/N/UR SUS-E-100ELS/RH/N/UR/NR	P.051	<b>SUS-SJT-S</b> [M16×40] SUS-SJT-100BRUS,BC/GU/N SUS-SJT-125BRUS,BC/GU [M20×40] SUS-SJT-100BRUS,BC/GU/N SUS-SJT-125BRUS,BC/GU	P.111		
<b>SUS-ER</b> SUS-ER-50EL/R/N/UR SUS-ER-65EL/RH/N/UR SUS-ER-75EL/RH/N/UR SUS-ER-100EL/RH/N/UR/NR	P.054	<b>SUS-SK</b> SUS-SK-100NR/N/NB/GU SUS-SK-125GU	P.115		
<b>SUS-ET</b> [M12×35] SUS-ET-50EL/R/N/UR SUS-ET-65EL/RH/N/UR SUS-ET-75EL/RH/N/UR SUS-ET-100EL/RH/N/UR/NR [M16×40] SUS-ET-100EL/RH/N/UR/NR [W3/4×40] SUS-ET-100EL/RH/N/UR/NR	P.058	<b>SUS-J</b> SUS-NRJ-100/N/GU SUS-NRJ-130/N/GU SUS-NRJ-150/N/GU SUS-NJ-200/GU	P.123–P.124		
<b>SUS-ET-S</b> [M12×35] SUS-ET-50ELS/R/N/UR SUS-ET-65ELS/RH/N/UR SUS-ET-75ELS/RH/N/UR SUS-ET-100ELS/RH/N/UR/NR [M16×40] SUS-ET-100ELS/RH/N/UR/NR [W3/4×40] SUS-ET-100ELS/RH/N/UR/NR	P.062–P.063	<b>SUS-J-S</b> SUS-NRJ-100S/N/GU SUS-NRJ-130S/N/GU SUS-NRJ-150S/N/GU SUS-NJ-200S/GU	P.126		
		<b>SUS-K</b> SUS-NRK-100/N/GU SUS-NRK-130/N/GU SUS-NRK-150/N/GU SUS-NK-200/GU	P.134–P.135		
		<b>SUS-HG</b> SUS-HG-50GNB/MC/MCE SUS-HG-65GNB/MC/MCE/PB SUS-HG-75GNB/MC/MCE/PB	P.145		

# OTHERS

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type

OTHER

# OFFICESTAR (For Office Equipment)

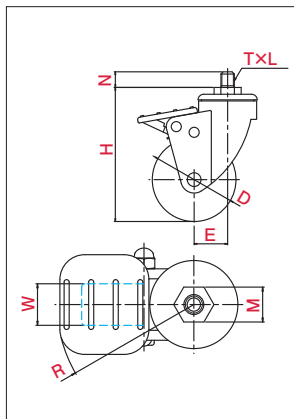
## Plastic caster $\phi 75$

Swivel	Fixed	BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Plate Type	Screw-in Type	Insertion Type	
		Single Bearing	Radial Bearing
		Single stopper	Double stopper

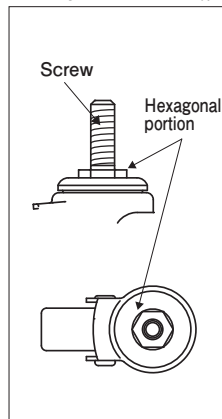


Plastic caster  $\phi 75$ , M12x14

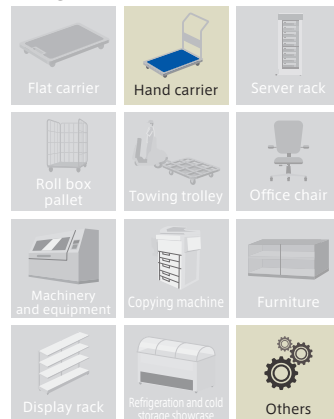
### External dimensions




### Mounting Method (Screw-in Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	Hole Diameter (T)	Screw Pitch (L)	Screw Length (N[mm])	Opposite side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])	Allowance Load (daN / kgf)
Plastic caster $\phi 75$	 Wheel: Nylon Tread: Urethane	75	25	120	M12	1.75	14	21	30	83	60(61.2)

We have specific spanner for caster wheel. Please purchase separately.

YUEI spanner (19x21mm wrench)

# SHORTSTAR (For Low Profile)

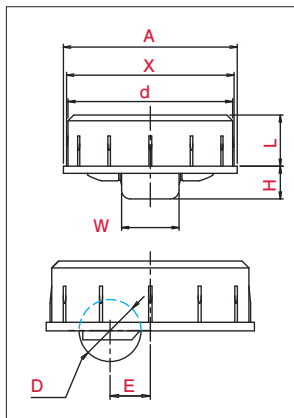
## Parallel caster $\phi 18$

Swivel	Fixed	BZP (Brilliant Zinc Plating)	CP (Chromium Plating)
Plate Type	Screw-in Type	Put in Type	
		Single Bearing	Double Bearing
		Single stopper	Double stopper

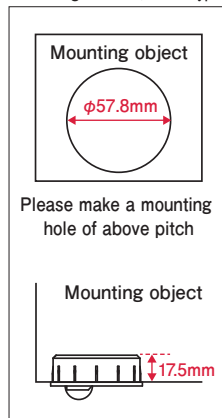


Parallel caster  $\phi 18$

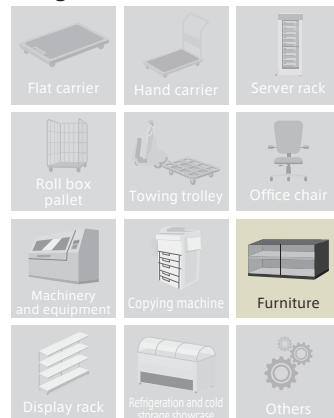
### External dimensions




### Mounting Method (Put in Type)



### Usage



Product No.	Wheel	Wheel diameter (D[mm])	Wheel Width (W[mm])	Mounting height (H[mm])	L[mm]	d[mm]	A[mm]	X[mm]	Eccentricity (E[mm])	Allowance Load (daN / kgf)
Parallel caster $\phi 18$	 Wheel: Nylon Tread: Nylon	18	20	11.5	17.5	57.3	61	58.3	11.7	30(30.6)

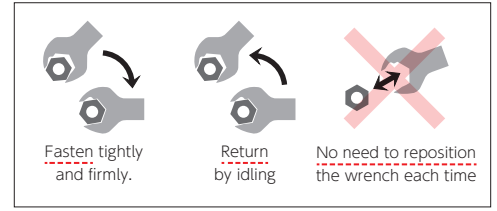
## OTHERS / OTHER-type

## YUEI spanner

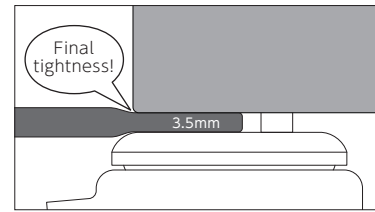


Product No.	(A[mm])	(B[mm])	Material	Thickness[mm]
YUEI spanner	19	21	Chrome vanadium steel	3.5 (handle 6.5mm)

- By the ratchet function, work efficiency is greatly UP!



- Fasten tightly to the end with a **thickness of 3.5 mm**



- Using high hardness **Chrome vanadium steel**

## The Spanner for casters

## Double open-end flat wrench

Product No.	(A[mm])	(B[mm])	Material	Thickness [mm]	
19×21mm wrench	19	21	Steel	3	
21×23mm wrench	21	23	Steel	3	

## Single open-end flat wrench

Product No.	(A[mm])	Material	Thickness [mm]	
8mm flat wrench	8	Steel	2	
10mm flat wrench	10	Steel	2	
12mm flat wrench	12	Steel	2	
13mm flat wrench	13	Steel	2	
14mm flat wrench	14	Steel	2	
17mm flat wrench	17	Steel	2	
30mm flat wrench	30	Steel	2	



W H E E L

# Wheel Material and Characteristics

## Characteristics of Wheels(Tire)

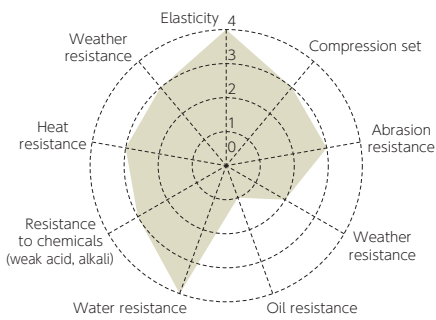
### Chart of general characteristics of materials used for wheels

◎:Excellent ○:Good △:Acceptable ×:Not acceptable

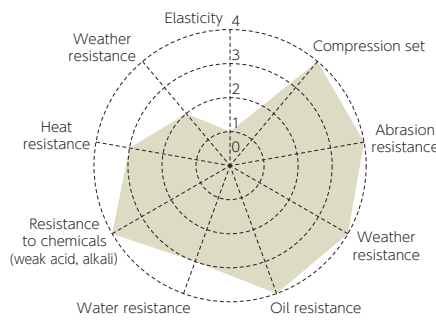
	Rubber	Nylon	PU	Elastomer	Phenol	MC Nylon	Polycarbonate
Elasticity	◎	×	○	○	×	×	×
Compression set	○	◎	○	△	◎	◎	◎
Abrasion resistance	○	◎	◎	△	○	◎	◎
Weather resistance	△	◎	○	◎	◎	◎	◎
Oil resistance (machine oil)	×	◎	◎	×	◎	◎	◎
Resistance to gasoline	×	◎	◎	×	◎	◎	◎
Water resistance	◎	○	△	◎	○	○	○
Resistance to chemicals (weak acid, alkali)	○	◎	×	◎	△	◎	(◎、×)
Heat resistance (°C)	70	70	70	70	120	120	120
Low temperature resistance(°C)	-30	-20	-30	-30	-40	-40	-40

※They are general characteristics of materials only. Since materials are affected by factors such as working conditions and environment of caster products, please use this list as guidelines for selecting and determining materials.  
 ※For PU, characteristics of thermoplastic urethane are described.

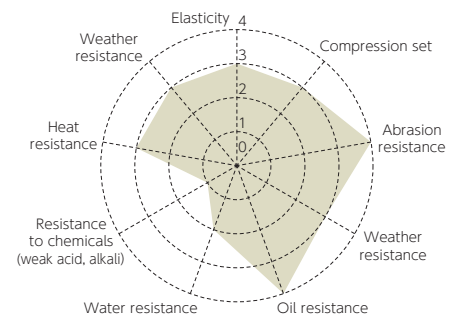
**Rubber Wheels**



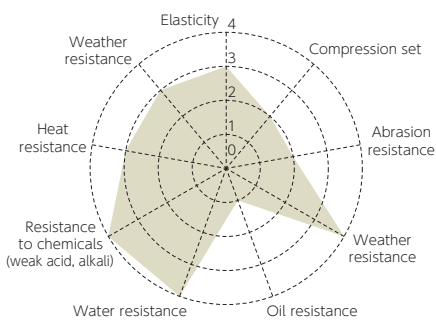
**Nylon Wheel**



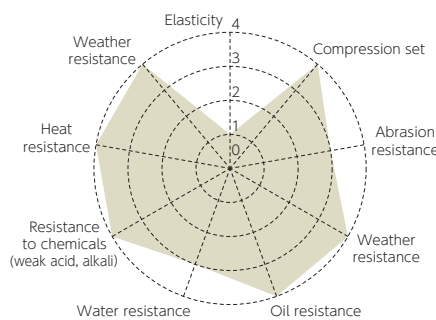
**PU Wheels**



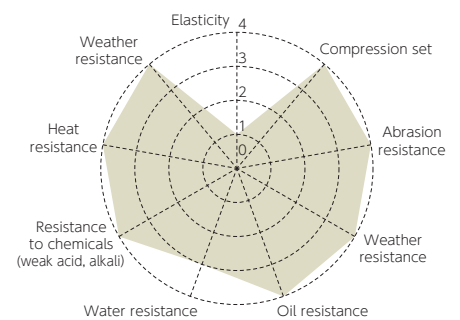
**Elastomer Wheels**



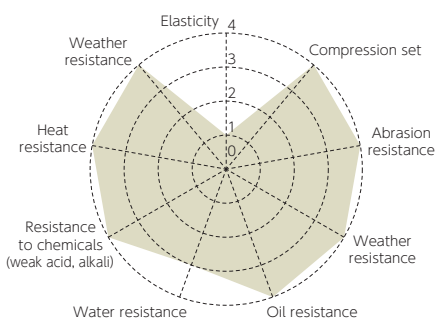
**Phenol Wheels**



**MC Nylon Wheels**





















**Polycarbonate Wheels**



## Rubber Wheels

### Common Characteristics

Rubber wheels are widely used and provide elasticity and provide good traveling performance on uneven road surface. In addition, rubber wheels are cheaper than urethane wheels. A traveling mark is likely to be remained on floor surface while running and rubber wheels may be deformed if load is applied for extended period of time.

Wheel Symbol	Wheel	Wheel Name	Wheel Diameter	Features
R		Rubber	φ25~50	This is a standard wheel in which rubber is integrated.
RH			φ50~125	
RE		Conductive Rubber	φ25~50	Rubber integrated type. It is a conductive wheel that can remove static electricity.
RHE			φ50~125	
W-G		Grey Rubber (steel plate, including B)	φ100~200	This is a standard wheel in which the wheel assembly portion is made of steel plate. Since a commercial bearing is used, rotation of a wheel is good. Color of rubber is gray in order to prevent leaving marks on the floor surface.
W		Rubber (steel plate, including B)	φ75~200	This is a standard wheel in which the wheel assembly portion is made of steel plate.
WE		Conductive Rubber (steel plate, including B)	φ100~200	This is a standard wheel in which the wheel assembly portion is made of steel plate. Since a commercial bearing is used, rotation of a wheel is good. It is a conductive wheel that can remove static electricity.
WO		Oil resistant Rubber (steel plate, including B)	φ100~200	This is a standard wheel in which the wheel assembly portion is made of steel plate.
W-P-G		Grey Rubber (steel plate, including B)	φ100	The wheel assembly portion is made of steel plate. By using a resin bush at the bearing portion, this wheel provides cost effectiveness even though traveling performance is degraded compared with normal bearings. Color of rubber is gray in order to prevent leaving marks on the floor surface.
W-P		Rubber (steel plate, including B)	φ100~150	The wheel assembly portion is made of steel plate. By using a resin bush at the bearing portion, this wheel provides cost effectiveness even though traveling performance is degraded compared with normal bearings.
WB		Rubber (steel plate, including B)	φ100~200	Since a commercial bearing is used, rotation of a wheel is good. In addition, rattle between the body and a wheel is eliminated, rattling of a wheel while traveling is reduced.
WB-G		Grey Rubber (steel plate, including B)	φ130~200	The wheel assembly portion is made of steel plate. Since a commercial bearing is used, rotation of a wheel is good. In addition, rattle between the body and a wheel is eliminated, rattling of a wheel while traveling is reduced. Color of rubber is gray in order to prevent leaving marks on the floor surface.
WF		Rubber (steel plate, including B)	φ200	The wheel assembly portion is made of steel plate. Since a deep-groove bearing is used, rotation of a wheel is excellent and rotating sound is reduced.
WF(AR)		Abrasion Resistant Rubber (steel plate, including B)	φ150~200	The wheel assembly portion is made of steel plate. Since a deep-groove bearing is used, rotation of a wheel is good and rotating sound is reduced. In addition, by using abrasion resistant rubber it has become a durable wheel that is hard to wear.
WF-G		Grey Rubber (steel plate, including B)	φ200	The wheel assembly portion is made of steel plate. Since a deep-groove bearing is used, rotation of a wheel is excellent and rotating sound is reduced. Color of rubber is gray in order to prevent leaving marks on the floor surface.
WF(Gr)		Green Rubber (steel plate, including B)	φ150~200	The wheel assembly portion is made of steel plate. Since a deep-groove bearing is used, rotation of a wheel is excellent and rotating sound is reduced.
NR-G		Grey Rubber (nylon wheel assembly, including B)	φ100~150	Since the wheel assembly portion is made of resin, this wheel is lighter than the wheel type made of steel plate. Since a commercial bearing is used, rotation of a wheel is good. Color of rubber is gray in order to prevent leaving marks on the floor surface.
NWR-G		Grey Rubber (nylon wheel assembly, including B)	φ125~150	
NR		Rubber (nylon wheel assembly)	φ75~100	Since the wheel assembly portion is made of resin, this wheel is lighter than the wheel type in which rubber is integrated.
NRP		Rubber (nylon wheel assembly)	φ100	
NR		Rubber (nylon wheel assembly, incl. B)	φ100~150	Since the wheel assembly portion is made of resin, this wheel is lighter than the wheel type made of steel plate. Since a commercial bearing is used, rotation of a wheel is good.
NWR				
NRB		Rubber (nylon wheel assembly, including B)	φ75~100	Since the wheel assembly portion is made of resin, this wheel is lighter than the wheel type made of steel plate. Since a commercial bearing is used, rotation of a wheel is good.
AW		Rubber (aluminum wheel assembly, including B)	φ150~250	The wheel assembly portion is made of aluminum die-casting and provides excellent durability. Since a deep-groove bearing is used, rotation of a wheel is good.
AW(AR)Gr		Green Rubber (aluminum wheel assembly, including B)	φ150~200	The wheel assembly portion is made of aluminum die-casting and provides excellent durability. Since a deep-groove bearing is used, rotation of a wheel is good.

\*(including B) indicates wheels equipped with bearing.

## Wheel Material and Characteristics

### PU Wheels

**Common Characteristics**

These wheels provide high load bearing and durability in which wear is less likely to occur while moving. Also, these wheels provide resistance to oil, such as gasoline and general machine oil. However, these wheels may deteriorate if these wheels are placed in water or humid environment for a long period of time.

Wheel Symbol	Wheel	Wheel Name	Wheel Diameter	Features
UW		PU (steel plate wheel assembly, including B)	φ75~200	The wheel assembly portion is made of steel plate. Since a commercial bearing is used, rotation of wheel is good.
UWE		Antistatic PU (steel plate wheel assembly, including B)	φ100~200	The wheel assembly portion is made of steel plate. Since a commercial bearing is used, rotation of wheel is good. In comparison with standard wheels, this wheel is less electric conductive, and absorption of dust and dirt caused by static electricity is prevented.
UWB		PU (steel plate wheel assembly, including B)	φ100~200	The wheel assembly portion is made of steel plate. Since a deep-groove bearing is used, rotation of a wheel is good. In addition, rattle between the body and a wheel is eliminated, rattling of a wheel while traveling is reduced.
UWB/INJ		PU (steel plate, including B injection)	φ150~200	The wheel assembly portion is made of steel plate. Since a deep-groove bearing is used, rotation of a wheel is good. In addition, rattle between the body and a wheel is eliminated, rattling of a wheel while traveling is reduced.
UWF		PU (steel plate wheel assembly, including B)	φ150~200	The wheel assembly portion is made of steel plate. Since a deep-groove bearing is used, rotation of a wheel is good.
UR		PU (nylon wheel assembly)	φ25~125	The wheel portion is made of resin. This is a general urethane wheel in wheels having small wheel diameter.
UHF		PU (nylon wheel assembly, including B)	φ75~100	The wheel portion is made of resin. Since a deep-groove bearing is used, rotation of a wheel is good.
NU		PU (nylon wheel assembly)	φ75~100	The wheel portion is made of resin. This wheel is equipped with a wheel cover.
SUE		Antistatic PU (nylon wheel assembly, including B)	φ100~125	The wheel portion is made of resin. This wheel is equipped with a wheel cover. In comparison with standard wheels, this wheel is less electric conductive, and absorption of dust and dirt caused by static electricity is prevented. Since a deep-groove bearing is used, traveling performance is improved and rotating sound is reduced.
GU		PU (nylon wheel assembly, including B)	φ75~200	The nylon wheel is lighter than steel one. The rotation of a wheel is good by using deep ball bearings.
GUB		PU (nylon wheel assembly, including B)	φ100~200	Since the wheel assembly portion is made of resin, this wheel is lighter than the wheel type made of steel plate. Since a commercial bearing is used, rotation of a wheel is good.
BRU		PU (nylon wheel assembly, including B)	φ100~125	Since the wheel assembly portion is made of resin, this wheel is lighter than the wheel type made of steel plate. Since a commercial bearing is used, rotation of a wheel is good.
AU	 	PU (aluminum wheel assembly, including B)	φ65,75,250	The aluminum die-cast wheel is excelled in durability. The rotation of a wheel is good by using deep ball bearings.










※(including B) indicates wheels equipped with bearing.



## Nylon Wheels









**Common Characteristics**

This material keeps resistance to chemicals, such as weak acid and alkali. Wear caused by running is least likely to occur and deformation is least likely to occur even if load is applied for extended period of time. Since this material provides high rigidity, this material is weak to strong shock and running sound is large on uneven road surface.

Wheel Symbol	Wheel	Wheel Name	Wheel Diameter	Features
N		Nylon	φ25~200	This is a general nylon wheel formed by resin integration molding.
NP			φ125	
N		Nylon (including B)	φ130~150	This wheel is formed by resin integration molding. Since a deep-groove bearing is used, rotation of a wheel is good.
NB			φ100	
BN		Black Nylon	φ25~100	This is a black nylon wheel formed by resin integration molding.
MC		MC Nylon	φ50	This wheel is formed by resin integration molding. In comparison with nylon wheels, this wheel provides higher load resistance and higher shock resistance. Also, this wheel provides excellent resistance to higher heat and lower temperature. Since double ball bearing (φ50 only) /needle bearing is used, rotation of wheel is less likely to be affected even if high load is applied.
		MC Nylon (including B)	φ50~100	
MCB		MC Nylon (including B)	φ100~200	This wheel is formed by resin integration molding. In comparison with nylon wheels, this wheel provides higher load resistance and higher shock resistance. Also, this wheel provides excellent resistance to higher heat and lower temperature.
MCE		Conductive MC Nylon	φ50	This wheel is formed by resin integration molding. In comparison with nylon wheels, this wheel provides higher load resistance and higher shock resistance. Also, this wheel provides excellent resistance to higher heat and lower temperature. Since double ball bearing (φ50 only) /needle bearing is used, rotation of wheel is less likely to be affected even if high load is applied. In comparison with standard wheels, this wheel is less electric conductive, and absorption of dust and dirt caused by static electricity is prevented.
		Conductive MC Nylon (Including B)	φ50~75	
GNB		Reinforced Nylon	φ32~50	This wheel is formed by resin integration molding. In comparison with nylon wheels, this wheel provides higher shock resistance.
		Reinforced Nylon (including B)	φ50~75	
GFB		Reinforced Nylon (including B)	φ50~75	This wheel is formed by resin integration molding. In comparison with nylon wheels, this wheel provides higher load resistance and higher shock resistance. Since a deep-groove bearing is used, rotation of wheel is less likely to be degraded even if high load is applied.

※(including B) indicates wheels equipped with bearing.

## Other Wheels

Wheel Symbol	Wheel	Wheel Name	Wheel Diameter	Features
EL		Elastomer	φ50~100	The wheel assembly portion is made of resin; therefore, this wheel is light. This wheel provides elasticity, which is equivalent to that of a rubber wheel, and provides excellent traveling performance even on uneven road surface. Also, traveling mark is less likely to remain on floor surface.
ELSB		Elastomer (including B)	φ65~75	The wheel assembly portion is made of resin; therefore, this wheel is light. This wheel provides elasticity, which is equivalent to that of a rubber wheel, and provides excellent traveling performance even on uneven road surface. Also, traveling mark is less likely to remain on floor surface. Since a deep-groove bearing is used, rotation of a wheel is excellent and rotating sound is reduced.
SEL		Elastomer (including B)	φ100	The wheel assembly portion is made of resin; therefore, this wheel is light. This wheel provides elasticity, which is equivalent to that of a rubber wheel, and provides excellent traveling performance even on uneven road surface. Also, traveling mark is less likely to remain on floor surface. Since a deep-groove bearing is used, rotation of a wheel is excellent and rotating sound is reduced.
PB		Phenol (including B)	φ50~75	This wheel is formed by resin integration molding. Since materials provide high rigidity, deformation is least likely to occur even if load is applied for extended period of time. This material keeps high resistance to chemicals, such as acid and alkali and provides excellent heat resistance.
PC-C		Polycarbonate (transparent)	φ25~50	This wheel is formed by resin integration molding. This wheel provides excellent resistance to chemicals, abrasion resistance. This wheel is characterized by transparent appearance.
PC-R		Polycarbonate (red)	φ25~50	This wheel is formed by resin integration molding. This wheel provides excellent resistance to chemicals, abrasion resistance. This wheel is characterized by red semitransparent appearance.
PC-G		Polycarbonate (green)	φ25~50	This wheel is formed by resin integration molding. This wheel provides excellent resistance to chemicals, abrasion resistance. This wheel is characterized by green semitransparent appearance.
PH		Phenol	φ100~150	This wheel is formed by resin integration molding. This wheel provides excellent resistance to chemicals, abrasion resistance. It can be used up to 180 °C.

※(including B) indicates wheels equipped with bearing.

# J-type


J, J-S, JB(L), JB(R), JK, JK-S,  
K, KB(L), KB(R)

## Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
W-100-G	 Grey Rubber (steel plate, including B)	100	42	32	12	120(122.4)
W-130-G		130	55	40	20	180(183.6)
W-150-G		150	55	40	20	200(204.0)
W-200-G		200	55	43	20	250(255.0)
AW-250	 Rubber (aluminum wheel assembly, including B)	250	90	60	20	400(408.0)
W-75	 Rubber (steel plate, including B)	75	35	32	10	80(81.6)
W-100		100	42	32	12	120(122.4)
W-130		130	55	40	20	180(183.6)
W-150		150	55	40	20	200(204.0)
W-200		200	55	43	20	250(255.0)
WO-100	 Oil resistant Rubber (steel plate, including B)	100	42	32	12	120(122.4)
WO-130		130	55	40	20	180(183.6)
WO-150		150	55	40	20	200(204.0)
WO-200		200	55	43	20	250(255.0)
WE-100	 Conductive Rubber (steel plate, including B)	100	42	32	12	120(122.4)
WE-130		130	55	40	20	180(183.6)
WE-150		150	55	40	20	200(204.0)
WE-200		200	55	43	20	250(255.0)
NR-100-G	 Grey Rubber (nylon wheel assembly, including B)	100	42	32	12	100(102.0)
NR-150-G		150	55	40	12	200(204.0)
NR-100	 Rubber (nylon wheel assembly, including B)	100	42	32	12	100(102.0)
NR-130		130	55	40	12	180(183.6)
NR-150		150	55	40	12	200(204.0)
UW-75	 PU (steel plate wheel assembly, including B)	75	35	32	10	120(122.4)
UW-100		100	42	32	12	180(183.6)
UW-130		130	55	35	20	250(255.0)
UW-150		150	55	38	20	300(306.0)
UW-200		200	55	42	20	400(408.0)
AU-250	 PU (aluminum wheel assembly, including B)	250	90	45	20	600(612.0)
UWE-100	 Antistatic PU (steel plate wheel assembly, including B)	100	42	32	12	180(183.6)
UWE-130		130	55	35	20	250(255.0)
UWE-150		150	55	38	20	300(306.0)
UWE-200		200	55	42	20	400(408.0)
GU-75	 PU (nylon wheel assembly, including B)	75	36	32	10	100(102.0)
GU-100		100	42	32	12	100(102.0)
GU-130		130	55	40	20	180(183.6)
GU-150		150	55	40	20	200(204.0)
GU-200		200	55	43	20	250(255.0)
MCB-100,BC	 MC Nylon (including B)	100	43	32	12	180(183.6)
MCB-130 (φ 20)		130	55	40	20	250(255.0)
MCB-150 (φ 20)		150	55	40	20	300(306.0)
MCB-200		200	55	43	20	400(408.0)

※ Allowance load means only for wheel. ※ (including B) indicates wheels equipped with bearing.

# J-type J,J-S,JB(L),JB(R),JK,JK-S,K,KB(L),KB(R)

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
PH-100	 Phenol	100	42	32	12	120(122.4)
PH-130		130	56	40	12	180(183.6)
PH-150		150	56	40	12	200(204.0)




# PM-type PMS,PMS-LB(R),PMS(E46),PMS-LB(E46)(R), PMS-DS(E46),PMR,PMR-LB(R)

## Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
PM-130WB-G	 Grey Rubber (steel plate, including B)	130	56	40	12	180(183.6)
PM-150WB-G		150	56	40	12	200(204.0)
PM-200WB-G		200	56	43	20	250(255.0)
PM-100WB	 Rubber (steel plate, including B)	100	43	32	12	120(122.4)
PM-130WB		130	56	40	12	180(183.6)
PM-150WB		150	56	40	12	200(204.0)
PM-200WB		200	56	43	20	250(255.0)
PM-150AW	 Rubber (aluminum wheel assembly, including B)	150	56	42	12	250(255.0)
PM-200AW		200	56	45	20	300(306.0)
PM-100UWB	 PU (steel plate wheel assembly, including B)	100	43	32	12	180(183.6)
PM-130UWB		130	56	35	12	250(255.0)
PM-150UWB		150	56	38	12	300(306.0)
PM-200UWB		200	56	42	20	400(408.0)
PM-100GUB	 PU (nylon wheel assembly, including B)	100	43	32	12	120(122.4)
PM-130GUB		130	56	40	12	180(183.6)
PM-150GUB		150	56	40	12	200(204.0)
PM-200GUB		200	56	43	20	250(255.0)

# J<sub>2</sub>-type J<sub>2</sub>,J<sub>2</sub>-S,J<sub>2</sub>K,J<sub>2</sub>K-S,K<sub>2</sub>,K<sub>2</sub>/D



## Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
W-130 φ 12	 Rubber (steel plate, including B)	130	55	40	12	180(183.6)
W-150 φ 12		150	55	40	12	200(204.0)
NR-130	 Rubber (nylon wheel assembly, including B)	130	55	40	12	180(183.6)
NR-150		150	55	40	12	200(204.0)
N-130 φ 12(with cover)	 Nylon (including B)	130	56	40	12	180(183.6)
N-150 φ 12(with cover)		150	56	40	12	200(204.0)

※Allowance load means only for wheel. ※(including B) indicates wheels equipped with bearing. ※(with cover) = with bearing cover

# J<sub>2</sub>-type

J<sub>2</sub>, J<sub>2</sub>-S, J<sub>2</sub>K, J<sub>2</sub>K-S, K<sub>2</sub>, K<sub>2</sub>/D

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
MCB-130 φ 12, BC	 MC Nylon (including B)	130	56	40	12	150(153.0)
MCB-150 φ 12, BC		150	56	40	12	160(163.2)
GU-130 φ 12	 PU (nylon wheel assembly, including B)	130	55	40	12	180(183.6)
GU-150 φ 12		150	55	40	12	200(204.0)

# RJ<sub>2</sub>-type

RJ<sub>2</sub>, RJ<sub>2</sub>-S, RJ<sub>2</sub>K, KRJ<sub>2</sub>K, K<sub>2</sub>

## Wheel








Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)	
W-100-P	 Rubber (steel plate, including B)	100	42	32	12.2	120(122.4)	
W-125 (B56) -P		125	55	38	12.2	150(153.0)	
W-150-P		150	55	40	12.2	160(163.2)	
W-100-P-G	 Grey Rubber (steel plate, including B)	100	42	32	12.2	120(122.4)	
W-125-G	 Grey Rubber (steel plate, including B)	125	55	38	12	150(153.0)	
W-150-G		150	55	40	12	160(163.2)	
NWR-125	 Rubber (nylon wheel assembly, including B)	125	55	34	12	150(153.0)	
NWR-150 φ 12		150	56	34	12	160(163.2)	
NWR-125-G	 Grey Rubber (nylon wheel assembly, including B)	125	55	34	12	150(153.0)	
NWR-150-G		150	56	34	12	160(163.2)	
N-100	 Nylon	100	42	32	12.2	120(122.4)	
NP-125		125	53	40	12.2	150(153.0)	
NRP-100 (RIM30)	 Rubber (nylon wheel assembly)	100	42	30	12	120(122.4)	
N-150 (φ 12), BC	 Nylon (including B)	150	56	40	12	200(204.0)	
GU-100	 PU (nylon wheel assembly, including B)	100	42	32	12	100(102.0)	
GU-125 (B56)		125	55	40	12	150(153.0)	
GU-150 φ 12		150	55	40	12	200(204.0)	

※ Allowance load means only for wheel. ※ (including B) indicates wheels equipped with bearing.

# SJ-type

SJ,SJ-S,SK,SK/D,SJT,SJT-S,SJT-SW

## Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
W-100	 Rubber (steel plate, including B)	100	42	32	12	120(122.4)
W-125		125	42	32	12	120(122.4)
W-100-P	 Rubber (steel plate, including B)	100	42	32	12.2	100(102.0)
W-125-P		125	42	32	12.2	120(122.4)
WE-100	 Conductive Rubber (steel plate, including B)	100	42	32	12	120(122.4)
WE-125		125	42	32	12	120(122.4)
NR-100	 Rubber (nylon wheel assembly, including B)	100	42	32	12	100(102.0)
N-100		 Nylon	100	42	32	12.2
NB-100	 Nylon (including B)		100	43	32	12
UW-100	 PU (steel plate wheel assembly, including B)	100	42	32	12	180(183.6)
GU-100	 PU (nylon wheel assembly, including B)	100	42	32	12	100(102.0)
GU-125		125	42	32	12	120(122.4)
BRU-100,BC	 PU (nylon wheel assembly, including B)	100	43	32	12	100(102.0)
BRU-125,BC		125	43	32	12	120(122.4)
PH-100	 Phenol	100	42	32	12	120(122.4)

※Allowance load means only for wheel. ※(including B) indicates wheels equipped with bearing.

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence





Towing

Stainless Steel

# S-type

SG,SG-S,SG-DS,SR,SGC,SGC-S,SGC-DS,  
ST,ST-S,ST-DS,ST SPECIAL,STF,STF-S,STF-DS

## Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
S-50RH	 Rubber	50	30	28	8.2	50(51.0)
S-65RH		65	30	25	8.2	50(51.0)
S-75RH		75	30	25	8.2	60(61.2)
S-100RH		100	30	25	8.2	50(51.0)
S-65RHE	 Conductive Rubber	65	30	25	8.2	50(51.0)
S-75RHE		75	30	25	8.2	60(61.2)
S-100RHE		100	30	25	8.2	50(51.0)
S-75NR-B	 Rubber (nylon wheel assembly)	75	30	27	8.2	60(61.2)
S-100NR-B		100	30	27	8.2	60(61.2)
S-75NRB-B	 Rubber (include B)	75	32	27	8	70(71.4)
S-100NRB-B		100	32	27	8	70(71.4)
S-50N	 Nylon	50	30	28	8.2	60(61.2)
S-65N		65	30	25	8.2	70(71.4)
S-75N		75	30	25	8.2	80(81.6)
S-100N		100	30	25	8.2	60(61.2)
S-50BN	 Black Nylon	50	30	28	8.2	60(61.2)
S-65BN		65	30	25	8.2	70(71.4)
S-75BN		75	30	25	8.2	80(81.6)
S-100BN		100	30	25	8.2	60(61.2)
S-50UR	 PU (nylon wheel assembly)	50	30	25	8.2	60(61.2)
S-65UR		65	30	25	8.2	60(61.2)
S-75UR		75	30	26	8.2	70(71.4)
S-100UR		100	30	28	8.2	60(61.2)
S-75UHF	 PU (nylon wheel assembly, including B)	75	32	26	8	70(71.4)
S-100UHF		100	32	28	8	70(71.4)
S-50EL	 Elastomer	50	30	27	8.1	35(35.7)
S-65EL		65	30	27	8.1	40(40.8)
S-75EL		75	30	27	8.2	50(51.0)
S-100EL		100	30	27	8.2	50(51.0)
S-75NU (include pipe)	 PU (nylon wheel assembly, including B)	75	32	25	8	70(71.4)
S-100NU (include pipe)		100	32	25	8	70(71.4)

※ Allowance load means only for wheel. ※ (including B) indicates wheels equipped with bearing.

# E-type

E,E-S,ER,ET,ET-S,ETF,ETF-S


## Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
L-50R	 Rubber	50	24	20	6.2	30(30.6)
L-65RH		65	24	21	6.2	30(30.6)
L-75RH		75	24	21	6.2	40(40.8)
S-100RH		100	30	25	8.2	50(51.0)
S-125RH		125	30	25	8.2	50(51.0)
L-50RE	 Conductive Rubber	50	24	20	6.2	30(30.6)
L-65RHE		65	24	21	6.2	30(30.6)
L-75RHE		75	24	21	6.2	40(40.8)
S-100RHE		100	30	25	8.2	50(51.0)
S-100NR-B	 Rubber (nylon wheel assembly)	100	30	27	8.2	60(61.2)
S-100NRB-B	 Rubber (nylon wheel assembly, including B)	100	32	27	8	70(71.4)
L-50N	 Nylon	50	24	21	6.2	40(40.8)
L-65N		65	24	21	6.2	40(40.8)
L-75N		75	24	21	6.2	50(51.0)
S-100N		100	30	25	8.2	60(61.2)
L-50UR	 PU (nylon wheel assembly)	50	24	21	6.2	38(38.8)
L-65UR		65	24	21	6.2	35(35.7)
L-75UR		75	24	21	6.2	45(45.9)
S-100UR		100	30	28	8.2	60(61.2)
S-125UR		125	35.5	32	8.2	60(61.2)
S-100UHF	 PU (nylon wheel assembly, including B)	100	32	28	8	70(71.4)
L-50EL	 Elastomer	50	24	20	6.2	25(25.5)
L-65EL		65	24	21	6.1	30(30.6)
L-75EL		75	24	21	6.1	30(30.6)
S-100EL		100	30	27	8.2	50(51.0)

# G-type

G,G-S,GR

## Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
L-25R	 Rubber	25	14	12	4.7	8(8.2)
L-32R		32	16	14	5.2	12(12.2)
L-38R		38	20	17	6.2	20(20.4)
L-50R		50	24	20	6.2	30(30.6)
S-65RH		65	30	25	8.2	50(51.0)
S-75RH		75	30	25	8.2	60(61.2)

※Allowance load means only for wheel. ※(including B) indicates wheels equipped with bearing.



G-type  
L-type  
E-type  
M-type  
S-type  
J-type  
PM-type  
H-type  
AF-type  
NP-type  
SKY-type  
SILENT-type  
OTHER

# G-type G,G-S,GR

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
L-25N	 Nylon	25	14	12	4.7	10(10.2)
L-32N		32	16	14	5.2	18(18.4)
L-38N		38	20	16	6.2	28(28.6)
L-50N		50	24	21	6.2	40(40.8)
S-65N		65	30	25	8.2	70(71.4)
S-75N		75	30	25	8.2	80(81.6)
L-25BN	 Black Nylon	25	14	12	4.7	10(10.2)
L-32BN		32	16	14	5.2	18(18.4)
L-38BN		38	20	16	6.2	28(28.6)
L-50BN		50	24	21	6.2	40(40.8)
S-65BN		65	30	25	8.2	70(71.4)
S-75BN		75	30	25	8.2	80(81.6)
L-25UR	 PU (nylon wheel assembly)	25	14	12	4.7	10(10.2)
L-32UR		32	16	14	5.2	18(18.4)
L-38UR		38	20	16	6.2	28(28.6)
L-50UR		50	24	21	6.2	38(38.8)
S-65UR		65	30	25	8.2	60(61.2)
S-75UR		75	30	26	8.2	70(71.4)
L-25EL	 Elastomer	25	14	12	4.7	8(8.2)
L-32EL		32	16	14	5.2	12(12.2)
L-38EL		38	20	17	6.2	20(20.4)
L-50EL		50	24	20	6.2	25(25.5)
S-65EL		65	30	27	8.1	40(40.8)
S-75EL		75	30	27	8.2	50(51.0)
L-25PC-C	 Polycarbonate (Clear)	25	14	12	4.7	10(10.2)
L-38PC-C		38	20	16	6.2	28(28.6)
L-50PC-C		50	24	21.5	6.2	38(38.8)
L-25PC-R	 Polycarbonate (Red)	25	14	12	4.7	10(10.2)
L-38PC-R		38	20	16	6.2	28(28.6)
L-50PC-R		50	24	21.5	6.2	38(38.8)
L-25PC-G	 Polycarbonate (Green)	25	14	12	4.7	10(10.2)
L-38PC-G		38	20	16	6.2	28(28.6)
L-50PC-G		50	24	21.5	6.2	38(38.8)

# L-type LG, LG-S, LR, LT, LT-S, LTF, LTF-S





## Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
L-40R	 Rubber	40	21	17	6.2	25(25.5)
L-50R		50	24	20	6.2	30(30.6)
L-65RH		65	24	21	6.2	30(30.6)
L-75RH		75	24	21	6.2	40(40.8)
L-50RE	 Conductive Rubber	50	24	20	6.2	30(30.6)
L-65RHE		65	24	21	6.2	30(30.6)
L-75RHE		75	24	21	6.2	40(40.8)

※ Allowance load means only for wheel. ※ (including B) indicates wheels equipped with bearing.










# L-type LG, LG-S, LR, LT, LT-S, LTF, LTF-S

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
L-40N	 Nylon	40	19	18	6.2	30(30.6)
L-50N		50	24	21	6.2	40(40.8)
L-65N		65	24	21	6.2	40(40.8)
L-75N		75	24	21	6.2	50(51.0)
L-40BN	 Black Nylon	40	19	18	6.2	30(30.6)
L-50BN		50	24	21	6.2	40(40.8)
L-65BN		65	24	21	6.2	40(40.8)
L-75BN		75	24	21	6.2	50(51.0)
L-50UR	 PU (nylon wheel assembly)	50	24	21	6.2	38(38.8)
L-65UR		65	24	21	6.2	35(35.7)
L-75UR		75	24	21	6.2	45(45.9)
L-65EL	 Elastomer	65	24	21	6.1	30(30.6)
L-75EL		75	24	21	6.1	30(30.6)

# SA-type SA, SA-S, SA-DS

## Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
L-50R	 Rubber	50	24	20	6.2	30(30.6)
S-65RH		65	30	25	8.2	50(51.0)
S-75RH		75	30	25	8.2	60(61.2)
S-75NR-B	 Rubber (nylon wheel assembly)	75	30	27	8.2	60(61.2)
S-75NRB-B		 Rubber (nylon wheel assembly, including B)	75	32	27	8
L-50N	 Nylon		50	24	21	6.2
S-65N		65	30	25	8.2	70(71.4)
S-75N		75	30	25	8.2	80(81.6)
N-100		100	42	32	12	120(122.4)
S-65UR	 PU (nylon wheel assembly)	65	30	25	8.2	60(61.2)
S-75UR		75	30	26	8.2	70(71.4)
S-75UHF	 PU (nylon wheel assembly, including B)	75	32	26	8	70(71.4)
S-65EL		 Elastomer	65	30	27	8.1
S-75EL	75		30	27	8.2	50(51.0)

※Allowance load means only for wheel. ※(including B) indicates wheels equipped with bearing.

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type

SKY-type

SILENT-type



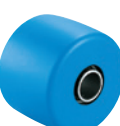

OTHER

# SA-type SA,SA-S,SA-DS

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
W-100	 Rubber (steel plate, including B)	100	42	32	12	120(122.4)
W-100-P	 Rubber (steel plate, including B)	100	42	32	12.2	120(122.4)
NR-100	 Rubber (nylon wheel assembly, including B)	100	42	32	12	100(102.0)
NB-100(with cover)	 Nylon (including B)	100	43	32	12	120(122.4)
UW-100	 PU (steel plate wheel assembly, including B)	100	42	32	12	180(183.6)
GU-100	 PU (nylon wheel assembly, including B)	100	42	32	12	100(102.0)

# H-type UHG,UHR







## Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
UH-50PB	 Phenol (including B)	50	42	38	10.2	400(408.0)
UH-65PB		65	51.5	48	16.1	500(510.0)
UH-75PB		75	51.5	48	16.1	600(612.0)
UH-50GFB	 Reinforced Nylon (including B)	50	43	38	10.2	300(306.0)
UH-65GFB		65	51.5	48	16	400(408.0)
UH-75GFB		75	51.5	48	16	500(510.0)
UH-50MC	 MC Nylon (including B)	50	42	38	10.2	400(408.0)
UH-65MC		65	51.5	48	16.1	600(612.0)
UH-75MC		75	51.5	48	16.1	700(714.0)
UH-80MC		80	51.5	48	16.1	800(816.0)
UH-100MC		100	51.5	48	16.1	800(816.0)
UH-50MCE	 Conductive MC Nylon (Including B)	50	42	38	10.2	400(408.0)
UH-65MCE		65	51.5	48	16.1	600(612.0)
UH-75MCE		75	51.5	48	16.1	700(714.0)

※ Allowance load means only for wheel. ※(including B) indicates wheels equipped with bearing. ※(with cover) = with bearing cover







# H-type HGL

## Wheel

Product No.	Wheel	 Wheel diameter [mm]	 Boss Width [mm]	 Wheel Width [mm]	 Wheel hole diameter [mm]	 Allowance Load (daN / kgf)
HL-32GNB	 Reinforced Nylon	32	31	21	8.2	120(122.4)

# H-type LHG

## Wheel

Product No.	Wheel	 Wheel diameter [mm]	 Boss Width [mm]	 Wheel Width [mm]	 Wheel hole diameter [mm]	 Allowance Load (daN / kgf)
L-40BN (B24)	 Black Nylon	40	24	21	6.2	70(71.4)
L-50BN		50	24	21	6.2	80(81.6)

# H-type HG, HG-S, HG-W, HR, HT, HT-S

## Wheel

Product No.	Wheel	 Wheel diameter [mm]	 Boss Width [mm]	 Wheel Width [mm]	 Wheel hole diameter [mm]	 Allowance Load (daN / kgf)
H-65PB	 Phenol (including B)	65	42	38	12.1	300(306.0)
H-75PB		75	42	38	12.1	320(326.4)
S-50GNB	 Reinforced Nylon	50	30	28	8.2	160(163.2)
H-65GNB	 Reinforced Nylon (including B)	65	43	38	12	300(306.0)
H-75GNB		75	43	38	12	320(326.4)
S-50MC	 MC Nylon	50	30	25	8.2	160(163.2)
H-65MC	 MC Nylon (including B)	65	43	38	12	300(306.0)
H-75MC		75	43	38	12	320(326.4)
S-50MCE	 Conductive MC Nylon	50	30	25	8.2	160(163.2)

※Allowance load means only for wheel. ※(including B) indicates wheels equipped with bearing.

G-t-type

L-t-type

E-t-type

M-t-type

S-t-type

J-t-type

PM-t-type

H-t-type

AF-t-type

NP-t-type



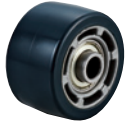
SKY-t-type

SILENT-t-type

OTHER

# H-type

HG, HG-S, HG-W, HR, HT, HT-S

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
H-65MCE	 Conductive MC Nylon (including B)	65	43	38	12	300(306.0)
H-75MCE		75	43	38	12	320(326.4)
H-38BN	 Black Nylon	38	24	21	10.2	120(122.4)
H-50BN		50	24	21	10.2	150(153.0)
H-65AU	 PU (aluminum wheel assembly, including B)	65	43	38	12	300(306.0)
H-75AU		75	43	38	12	320(326.4)

# H-type

HSG

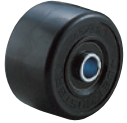
Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
UH-50PB	 Phenol (including B)	50	42	38	10.2	300(306.0)
H-65PB		65	42	38	12.1	300(306.0)
H-75PB		75	42	38	12.1	320(326.4)
UH-50GFB	 Reinforced Nylon (including B)	50	43	38	10.2	300(306.0)
H-65GNB		65	43	38	12	300(306.0)
H-75GNB		75	43	38	12	300(306.0)
UH-50MC	 MC Nylon (including B)	50	42	38	10.2	300(306.0)
H-65MC		65	43	38	12	300(306.0)
H-75MC		75	43	38	12	300(306.0)
UH-50MCE	 Conductive MC Nylon (including B)	50	42	38	10.2	300(306.0)
H-65MCE		65	43	38	12	300(306.0)
H-75MCE		75	43	38	12	300(306.0)
H-65AU	 PU (aluminum wheel assembly, including B)	65	43	38	12	300(306.0)
H-75AU		75	43	38	12	320(326.4)

# CAL-H-type


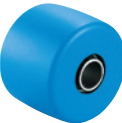

CAL-UHG

Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
UH-50PB	 Phenol (including B)	50	42	38	10.2	400(408.0)
UH-65PB		65	51.5	48	16.1	500(510.0)
UH-75PB		75	51.5	48	16.1	600(612.0)

※ Allowance load means only for wheel. ※ (including B) indicates wheels equipped with bearing.

# CAL-H-type CAL-UHG

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
UH-50GFB	 Reinforced Nylon (including B)	50	43	38	10.2	300(306.0)
UH-65GFB		65	51.5	48	16	400(408.0)
UH-75GFB		75	51.5	48	16	500(510.0)
UH-50MC	 MC Nylon (including B)	50	42	38	10.2	400(408.0)
UH-65MC		65	51.5	48	16.1	600(612.0)
UH-75MC		75	51.5	48	16.1	700(714.0)
UH-50MCE	 Conductive MC Nylon (Including B)	50	42	38	10.2	400(408.0)
UH-65MCE		65	51.5	48	16.1	600(612.0)
UH-75MCE		75	51.5	48	16.1	700(714.0)


# CAL-H-type CAL-HG

## Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
H-65PB	 Phenol (including B)	65	42	38	12.1	300(306.0)
H-75PB		75	42	38	12.1	300(306.0)
H-65GNB	 Reinforced Nylon (including B)	65	43	38	12	300(306.0)
H-75GNB		75	43	38	12	300(306.0)
H-65MC	 MC Nylon (including B)	65	43	38	12	300(306.0)
H-75MC		75	43	38	12	300(306.0)
H-65MCE	 Conductive MC Nylon (Including B)	65	43	38	12	300(306.0)
H-75MCE		75	43	38	12	300(306.0)
H-65AU	 PU (aluminum wheel assembly, including B)	65	43	38	12	300(306.0)
H-75AU		75	43	38	12	320(326.4)

# M-type MG,MR

## Wheel



Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
M-65N	 Nylon	65	35	28	8.2	90(91.8)
M-75N		75	41	35	8.2	100(102.0)

※Allowance load means only for wheel. ※(including B) indicates wheels equipped with bearing.

# PL-type

PLJ,PLK


Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
NR-100 Double side boss deep ball bearing	 Rubber (nylon wheel assembly, including B)	100	43	32	12	100(102.0)
NR-130 Double side boss deep ball bearing		130	56	40	12	180(183.6)
GU-100 Double side boss deep ball bearing	 PU (nylon wheel assembly, including B)	100	43	32	12	100(102.0)
GU-130 Double side boss deep ball bearing		130	56	40	12	180(183.6)

# SILENT-type

EF,EF-DS,ER,EFT,EFT



Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
L-65ELSB	 Elastomer (including B)	65	24	20	6	30(30.6)
L-75ELSB		75	24	20	6	35(35.7)

# SILENT-type

SFHG,SFHG-DS,SR,SFHT,SFHT-DS


Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)	
S-75NRB-B	 Rubber (nylon wheel assembly, including B)	75	32	27	8	70(71.4)	
S-100NRB-B		100	32	27	8	70(71.4)	
S-100SEL	 Elastomer (including B)	100	32	28	8	50(51.0)	




# SILENT-type

J<sub>2</sub>F,J<sub>2</sub>F-S,K<sub>2</sub>,SJF,SJF-S,SK,JF,K

Wheel





Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)	
WF-200-G	 Grey Rubber (steel plate, including B)	200	56	43	20	250(255.0)	

# SILENT-type J<sub>2</sub>F, J<sub>2</sub>F-S, K<sub>2</sub>, SJF, SJF-S, SK, JF, K

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
WF-200	 Rubber (steel plate, including B)	200	56	43	20	250(255.0)
NR-100-G,BC	 Grey Rubber (nylon wheel assembly, including B)	100	43	32	12	100(102.0)
NR-150-G,BC		150	56	40	12	200(204.0)
NRB-100(with cover)	 Rubber (nylon wheel assembly, including B)	100	43	32	12	100(102.0)
NRB-130(with cover)		130	56	40	12	180(183.6)
NRB-150(with cover)		150	56	40	12	200(204.0)



# SUS-J-type SUS-J, SUS-J-S, SUS-K

Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)	
SUS-NR-100(with cover)	 Rubber (nylon wheel assembly, including B)	100	43	32	12	100(102.0)	
SUS-NR-130(with cover)		130	56	40	12	180(183.6)	
SUS-NR-150(with cover)		150	56	40	12	200(204.0)	
N-100	 Nylon	100	42	32	12	120(122.4)	
SUS-N-130 φ 12(with cover)	 Nylon (including B)	130	56	40	12	160(163.2)	
SUS-N-150 φ 12(with cover)		150	56	40	12	160(163.2)	
SUS-N-200		200	56	43	20	220(224.4)	
SUS-GU-100(with cover)	 PU (nylon wheel assembly, including B)	100	43	32	12	100(102.0)	
SUS-GU-130 φ 12(with cover)		130	56	40	12	180(183.6)	
SUS-GU-150 φ 12(with cover)		150	56	40	12	200(204.0)	
SUS-GU-200		200	56	43	20	250(255.0)	

# SUS-J<sub>2</sub>-type SUS-J<sub>2</sub>, SUS-J<sub>2</sub>-S, SUS-K<sub>2</sub>

Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
SUS-NR-130(with cover)	 Rubber (nylon wheel assembly, including B)	130	56	40	12	180(183.6)
SUS-NR-150(with cover)		150	56	40	12	200(204.0)
SUS-N-130 φ 12(with cover)	 Nylon (including B)	130	56	40	12	160(163.2)
SUS-N-150 φ 12(with cover)		150	56	40	12	160(163.2)

※Allowance load means only for wheel. ※(including B) indicates wheels equipped with bearing. ※(with cover) = with bearing cover  
 ※(with cover) means cover is attached on bearing. ※(with cover) for GU means cover is attached on wheel.

Light Duty

Medium Duty

Heavy Duty

Office Equipment

Low Profile

Easy Lock

Shock Absorbing

Silence

Towing

Stainless Steel

G-type

L-type

E-type

M-type

S-type

J-type

PM-type

H-type

AF-type

NP-type


SKY-type

SILENT-type

OTHER

# SUS-J<sub>2</sub>-type

SUS-J<sub>2</sub>,SUS-J<sub>2</sub>-S,SUS-K<sub>2</sub>

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
SUS-GU-130φ12(with cover)	 PU (nylon wheel assembly, including B)	130	56	40	12	180(183.6)
SUS-GU-150φ12(with cover)		150	56	40	12	200(204.0)

# SUS-SJ-type

SUS-SJ,SUS-SJ-S,SUS-SK,SUS-SJT




Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
SUS-NR-100(with cover)	 Rubber (nylon wheel assembly, including B)	100	43	32	12	100(102.0)
N-100	 Nylon	100	42	32	12	120(122.4)
SUS-NB-100(with cover)	 Nylon (including B)	100	43	32	12	120(122.4)
SUS-GU-100(with cover)	 PU (nylon wheel assembly, including B)	100	43	32	12	100(102.0)
SUS-GU-125(with cover)		125	43	32	12	120(122.4)
BRU-100,BC	 PU (nylon wheel assembly, including B)	100	43	32	12	100(102.0)
SUS-BRU-125,BC		125	43	32	12	120(122.4)

# SUS-S-type

SUS-SG,SUS-SG-S,SUS-SR,  
SUS-ST,SUS-ST-S

Wheel



Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
S-50RH	 Rubber	50	30	28	8.2	50(51.0)
S-65RH		65	30	25	8.2	50(51.0)
S-75RH		75	30	25	8.2	60(61.2)
S-75NR-B	 Rubber (nylon wheel assembly)	75	30	27	8.2	60(61.2)
S-50N	 Nylon	50	30	28	8.2	60(61.2)
S-65N		65	30	25	8.2	70(71.4)
S-75N		75	30	25	8.2	80(81.6)

※ Allowance load means only for wheel. ※ (including B) indicates wheels equipped with bearing.  
 ※ "with cover" of NR, NB series means "with Bearing cover" ※ (with cover) for GU means cover is attached on wheel.



# SUS-S-type






SUS-SG,SUS-SG-S,SUS-SR,SUS-ST,SUS-ST-S

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
S-50UR	 PU (nylon wheel assembly)	50	30	25	8.2	60(61.2)
S-65UR		65	30	25	8.2	60(61.2)
S-75UR		75	30	26	8.2	70(71.4)
S-50EL	 Elastomer	50	30	27	8.1	35(35.7)
S-65EL		65	30	27	8.1	40(40.8)
S-75EL		75	30	27	8.2	50(51.0)

# SUS-E-type

SUS-E,SUS-E-S,SUS-ER,  
SUS-ET,SUS-ET-S



Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
L-50R	 Rubber	50	24	20	6.2	30(30.6)
L-65RH		65	24	21	6.2	30(30.6)
L-75RH		75	24	21	6.2	40(40.8)
S-100RH		100	30	25	8.2	50(51.0)
S-100NR-B	 Rubber (nylon wheel assembly)	100	30	27	8.2	60(61.2)
L-50N	 Nylon	50	24	21	6.2	40(40.8)
L-65N		65	24	21	6.2	40(40.8)
L-75N		75	24	21	6.2	50(51.0)
S-100N		100	30	25	8.2	60(61.2)
L-50UR	 PU (nylon wheel assembly)	50	24	21	6.2	38(38.8)
L-65UR		65	24	21	6.2	40(40.8)
L-75UR		75	24	21	6.2	45(45.9)
S-100UR		100	30	28	8.2	60(61.2)
L-50EL	 Elastomer	50	24	20	6.2	25(25.5)
L-65EL		65	24	21	6.1	30(30.6)
L-75EL		75	24	21	6.1	30(30.6)
S-100EL		100	30	25	8.2	60(61.2)

# SUS-H-type

SUS-HG,SUS-HG-S,SUS-HR

Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
SUS-H-65PB	 Phenol (including B)	65	42	38	10	230(234.6)
SUS-H-75PB		75	42	38	10	250(255.0)
S-50GNB	 Reinforced Nylon	50	30	28	8.2	120(122.4)

※Allowance load means only for wheel. ※(including B) indicates wheels equipped with bearing.

G-t-type

L-t-type

E-t-type

M-t-type

S-t-type

J-t-type

PM-t-type

H-t-type

AF-t-type

NP-t-type

SKY-t-type

SILENT-t-type

OTHER

# SUS-H-type



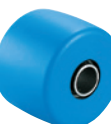

SUS-HG,SUS-HG-S,SUS-HR

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
SUS-H-65GNB	 Reinforced Nylon (including B)	65	43	38	10	230(234.6)
SUS-H-75GNB		75	43	38	10	250(255.0)
S-50MC	 MC Nylon	50	30	25	8.2	120(122.4)
SUS-H-65MC	 MC Nylon (including B)	65	43	38	10	230(234.6)
SUS-H-75MC		75	43	38	10	250(255.0)
S-50MCE	 Conductive MC Nylon	50	30	25	8.2	120(122.4)
SUS-H-65MCE	 Conductive MC Nylon (including B)	65	43	38	10	230(234.6)
SUS-H-75MCE		75	43	38	10	250(255.0)

# SUS-H-type

SUS-HSG







Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
SUS-UH-50PB	 Phenol (including B)	50	42	38	10	250(255.0)
SUS-H-65PB		65	42	38	10	250(255.0)
SUS-H-75PB		75	42	38	10	250(255.0)
SUS-UH-50GFB	 Reinforced Nylon (including B)	50	43	38	10	250(255.0)
SUS-H-65GNB		65	43	38	10	250(255.0)
SUS-H-75GNB		75	43	38	10	250(255.0)
SUS-UH-50MC	 MC Nylon (including B)	50	42	38	10	250(255.0)
SUS-H-65MC		65	43	38	10	250(255.0)
SUS-H-75MC		75	43	38	10	250(255.0)
SUS-UH-50MCE	 Conductive MC Nylon (including B)	50	42	38	10	250(255.0)
SUS-H-65MCE		65	43	38	10	250(255.0)
SUS-H-75MCE		75	43	38	10	250(255.0)

※ Allowance load means only for wheel. ※ (including B) indicates wheels equipped with bearing.


# SKY-type SKY-2S,SKY-2R

## Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
WF (Gr) -150	 Green Rubber (steel plate, including B)	150	56	40	20(16)	200(204.0)
WF (Gr) -200		200	56	43	20	250(255.0)
WF (AR) -150	 Abrasion Resistant Rubber (steel plate, including B)	150	56	40	20(16)	200(204.0)
WF (AR) -200		200	56	43	20	250(255.0)
AW-150	 Rubber (aluminum wheel assembly, including B)	150	56	42	20(16)	250(255.0)
AW-200		200	56	45	20	300(306.0)
AW (AR) Gr-150	 Green Rubber (aluminum wheel assembly, including B)	150	56	42	20(16)	200(204.0)
AW (AR) Gr-200		200	56	45	20	250(255.0)
UWF-150	 PU (steel plate wheel assembly, including B)	150	56	38	20(16)	300(306.0)
UWF-200		200	56	42	20	400(408.0)
UWF / INJ150	 PU (steel plate wheel assembly, including B)	150	56	38	20(16)	300(306.0)
UWF / INJ200		200	56	42	20	400(408.0)


# SKY-type SKY-S,SKY-R,SKY-T,SKY-S-S, SKY-R-S,SKY-T-S

## Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
S-100SUE	 Antistatic PU (nylon wheel assembly, including B)	100	32	28	8.1	60(61.2)
S-125SUE		125	37.4	32	8.1	60(61.2)

# SHSKY-type SHSKY

## Wheel



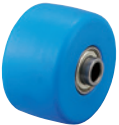
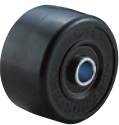

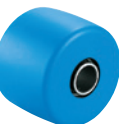

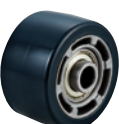
Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)	
S-125NRB-B	 Rubber (nylon wheel assembly, including B)	125	44	30	10	100(102.0)	

※Allowance load means only for wheel. ※(including B) indicates wheels equipped with bearing.

# With Adjuster foot type

E-AF,SPLG,AF,HG-AF

Wheel

Product No.	Wheel	Wheel diameter [mm]	Boss Width [mm]	Wheel Width [mm]	Wheel hole diameter [mm]	Allowance Load (daN / kgf)
L-40BN (B24)	 Black Nylon	40	24	21	6	40(40.8)
L-50BN		50	24	21	6	40(40.8)
S-50BN		50	30	28	8	60(61.2)
S-65BN		65	30	25	8	70(71.4)
S-75BN		75	30	25	8	80(81.6)
NB-50	 Reinforced Nylon (including B)	50	56	45	12	260(265.2)
NB-65		65	56	45	12	250(255.0)
AF-75MC	 MC Nylon (including B)	75	56	45	12	300(306.0)
AF-100MC		100	56	45	12	300(306.0)
H-65PB	 Phenol (including B)	65	42	38	12.1	300(306.0)
H-75PB		75	42	38	12.1	320(326.4)
H-65GNB	 Reinforced Nylon (including B)	65	43	38	12	300(306.0)
H-75GNB		75	43	38	12	320(326.4)
H-65MC	 MC Nylon (including B)	65	43	38	12	300(306.0)
H-75MC		75	43	38	12	320(326.4)
H-65MCE	 Conductive MC Nylon (Including B)	65	43	38	12	300(306.0)
H-75MCE		75	43	38	12	320(326.4)
H-65AU	 PU (aluminum wheel assembly, including B)	65	43	38	12	300(306.0)
H-75AU		75	43	38	12	320(326.4)

※ Allowance load means only for wheel. ※ (including B) indicates wheels equipped with bearing.

## Specialized Product

We're happy to make various types of specialized wheel as customer's request.

### Wheel

#### White rubber wheel

We changed to white rubber to prevent making black mark on the floor by running. It's a wheel which considers dirty and equips elasticity and runability.



##### Supported type

J  
J2  
SJ  
RJ2

#### Wide wheel

It's a wheel which make grounding area larger not for fitting on groove, but wheel width is same.



##### Supported type

J  
PM  
J2


### Specialized caster

We're pleased to talk with you about making specialized caster as your request.

If you cannot find your requested product, please feel free to ask us or our distributor.

※There is a case we cannot make as your request, we kindly ask for your understanding.



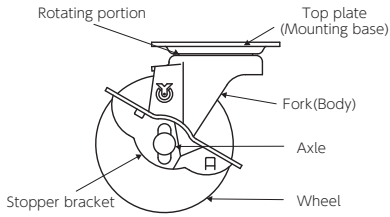
- 
- | Structure and Name of Parts
  - | Types of Mounting Methods
  - | Caster Selection Guide  
according to Mounting Method
  - | Introduction our Product Testing
  - | Precautions for mounting a caster
  - | Index
  - | Inquiries and Register

## Structure and Name of Parts

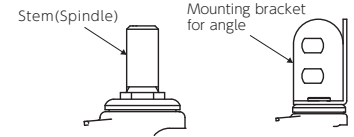
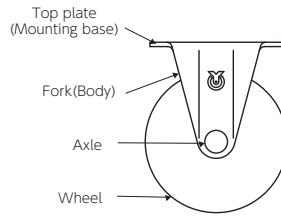
### Structure of Caster and Names of Parts

Caster is used for carrying or moving by attaching to object.

**Swivel Caster** Caster in which both the rotating portion and the wheel rotate.



**Fixed caster** Caster in which only the wheel rotates, and the rotating portion does not rotate.



### Types of Stoppers

#### Single stopper

It's shown type with stopper which locks only the wheel.



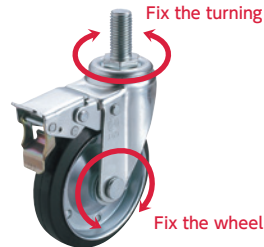
#### Turning stopper

It's shown type with stopper which locks only the turning parts.



#### Double stopper

It's shown type with stopper which locks both the wheel and the turning parts.



#### Single stopper and Spirally fixing type

This is the stopper used for locking rotation of a wheel and rotation of the revolving portion separately.



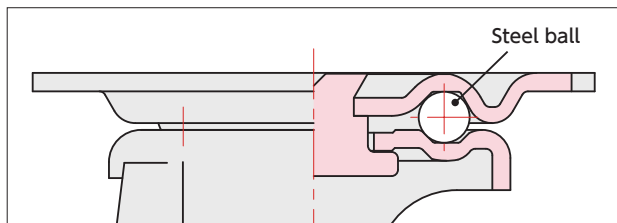
### Structure of the Revolving Portion

#### Single Bearing Structure

※It's shown smooth turn structure which steel ball is set on turning parts.

##### Kingpin type

G type, M type, H(LHG) type (swivel wheel)

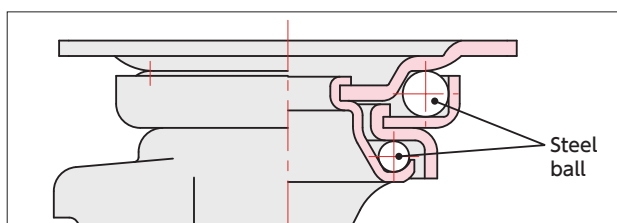


#### Double Bearing Structure

※It's shown smoother turn structure by 2 stage bearings system. (by steel ball)

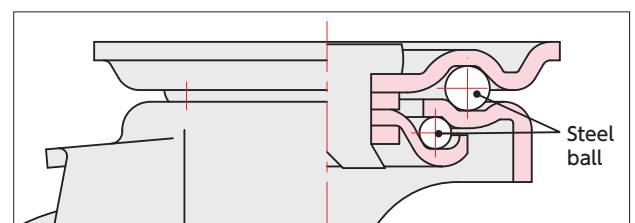
##### Kingpinless type

J type, PM type, RJ2 type, J2 type (swivel wheel)



##### Kingpin type

SJ type, S type, STK type, E type, L type, SA type, H type (without LHG type), RJ2K type, CAL-H type, SUS-J type, SUS-J2 type, SUS-SJ type, SUS-S type, SUS-E type, SUS-H type (swivel wheel)



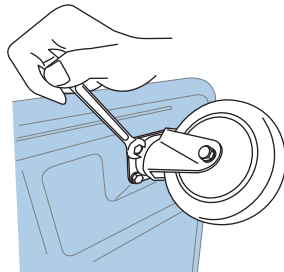
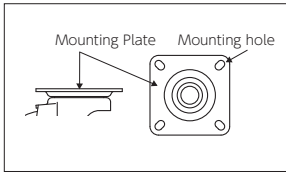


## Types of Mounting Methods

### Plate type

Plate type caster which is necessary using bolts and nuts when you install

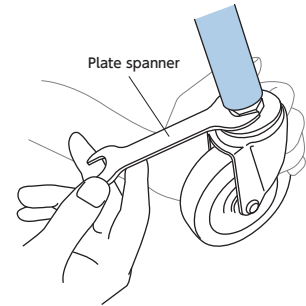
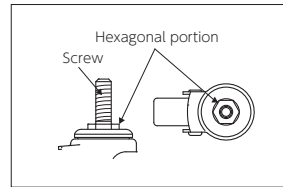
※Please setting with all mounting holes



### Screw-in type

Screw-in type caster which is install screw mount directly by screwing. After screw by your hand and tightly setting the hexagonal portion with plate spanner (refer the following picture).

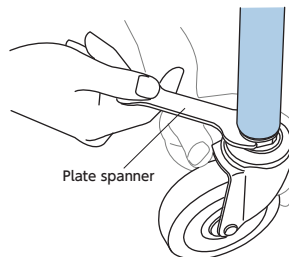
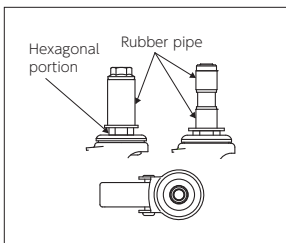
※If it is not setting firmly, there is a possibility it will decreased load capacity.



### Insertion type

Insertion type caster which is install directly in pipe. After screw with plate spanner, to swell the rubber pipe and tightly setting.

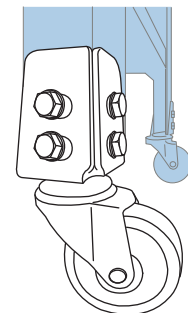
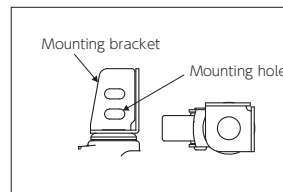
※If it is not setting firmly, there is a possibility it will decreased load capacity.



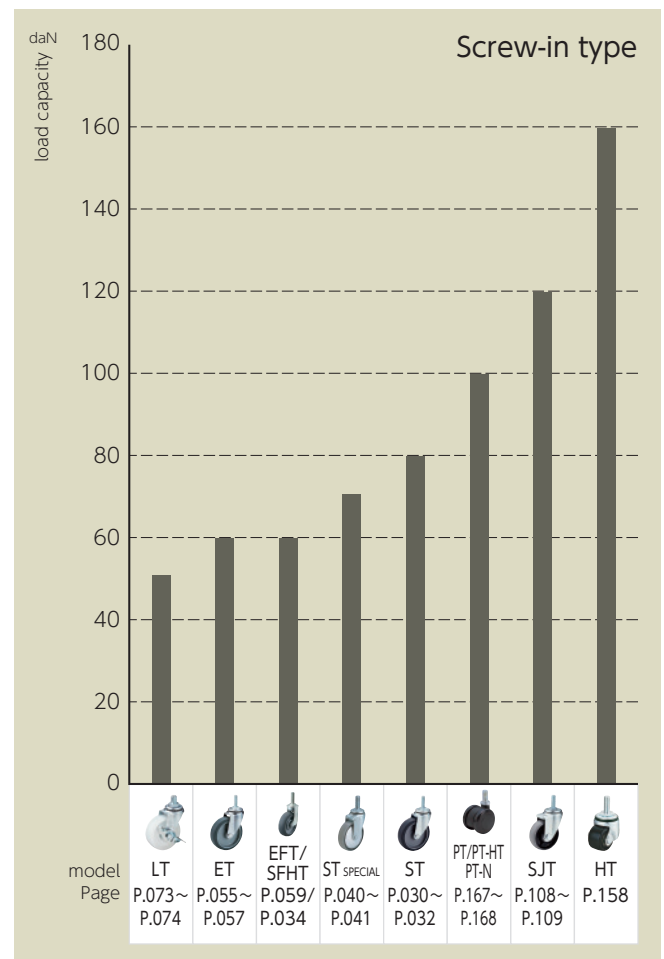
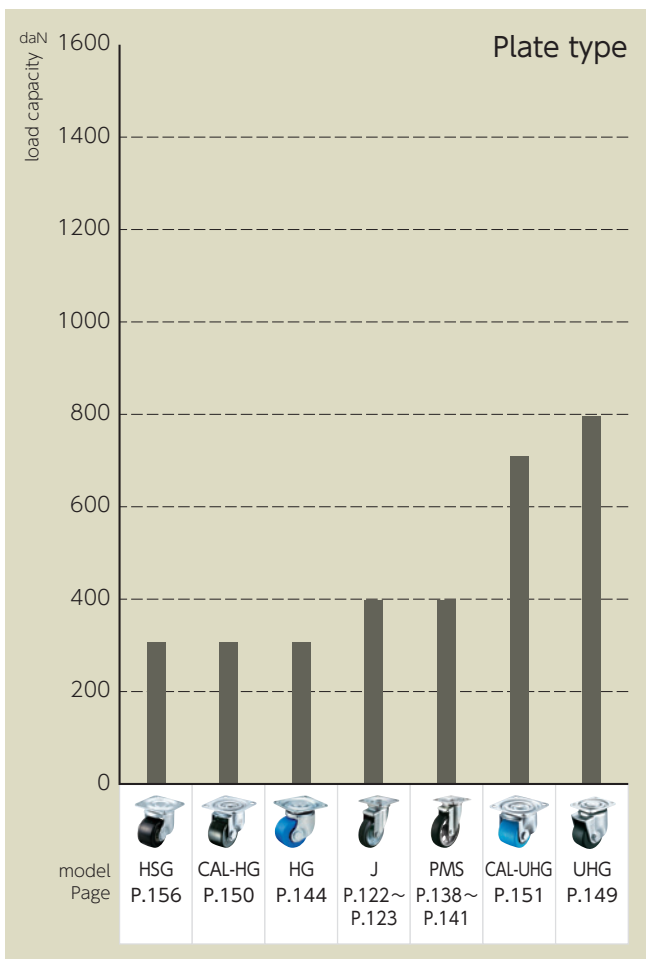
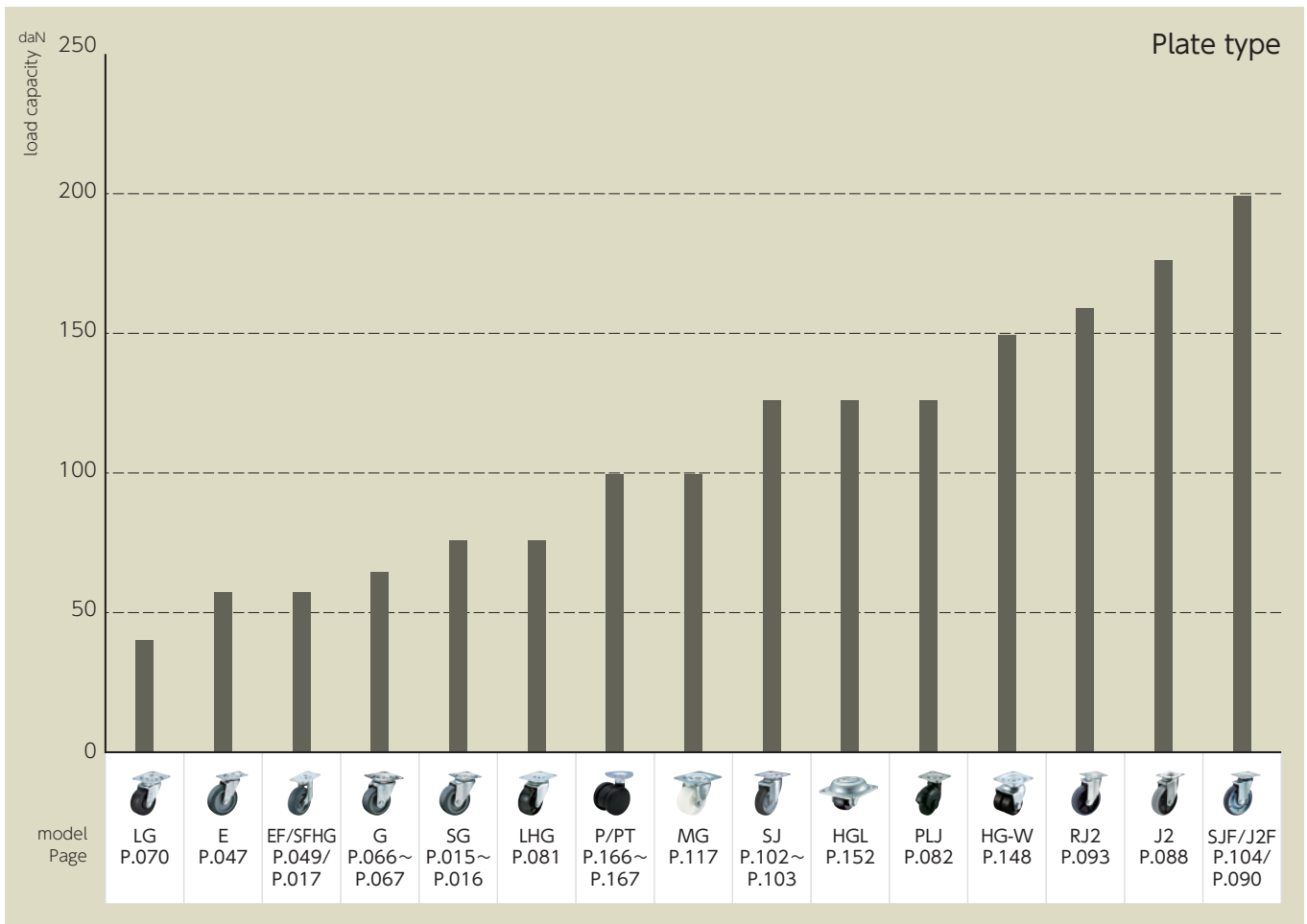
### Angle type

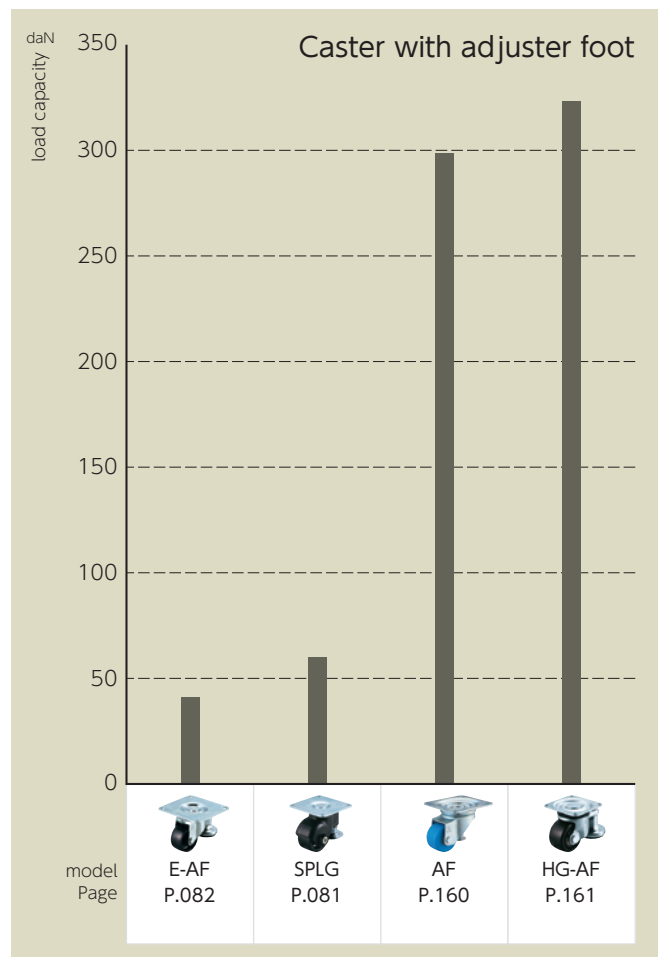
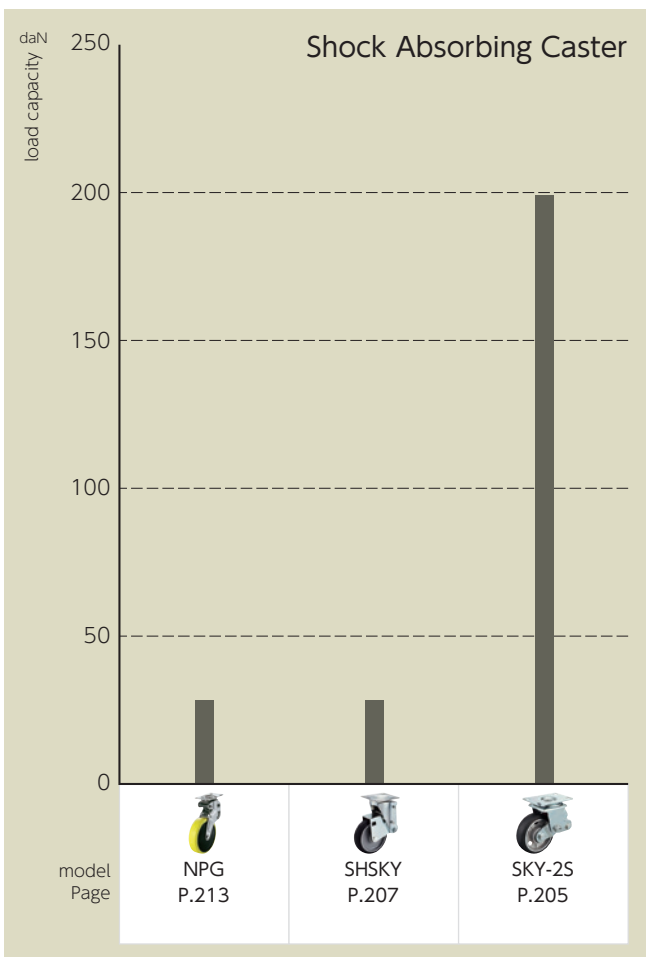
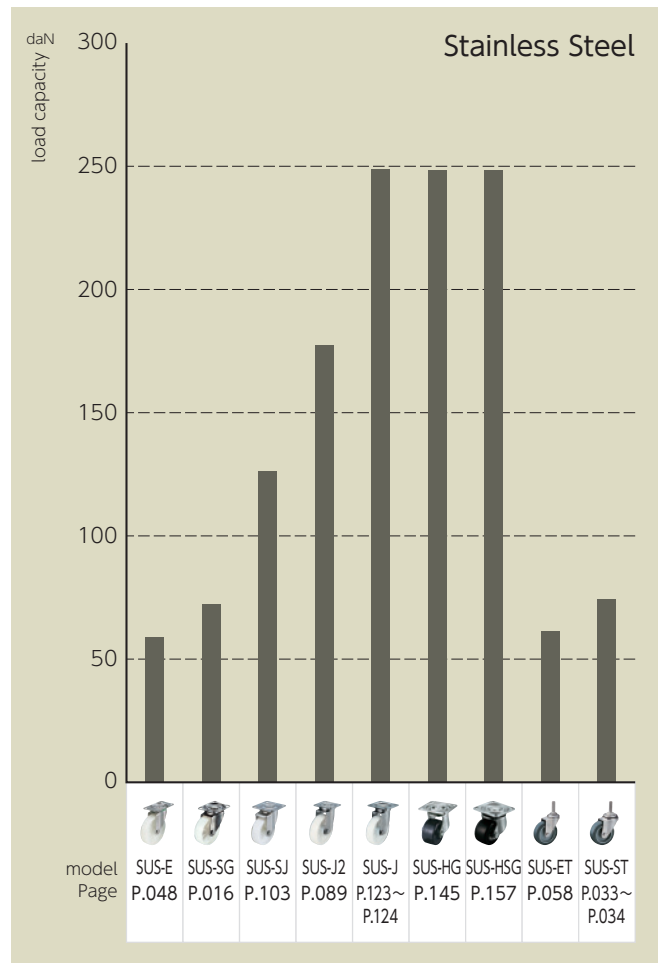
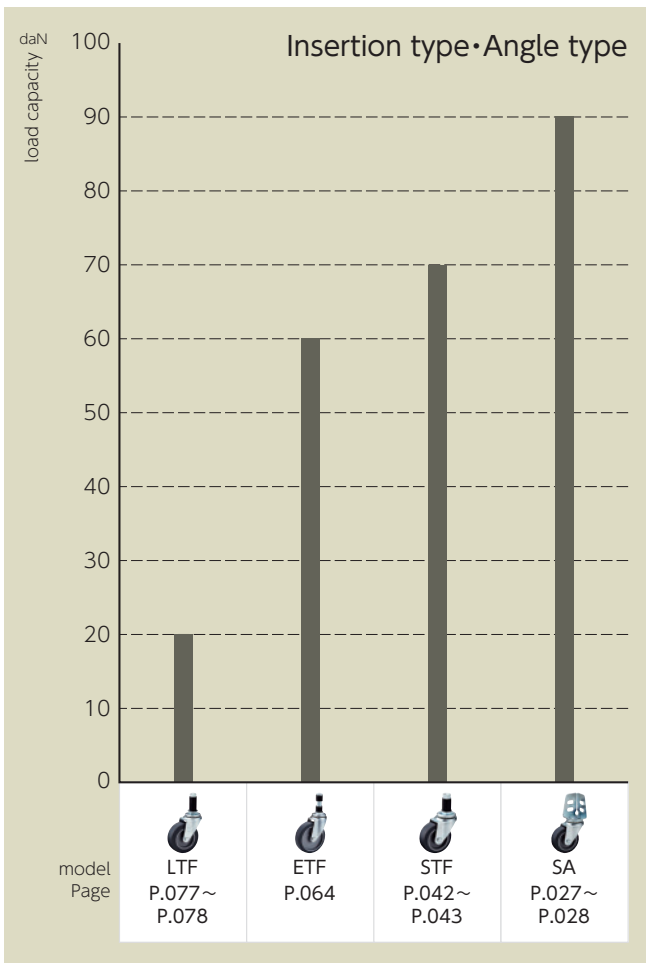
Angle type caster which is install in angle. Please keep the stick firmly to mounting bracket and angle bracket and setting the inside of bracket by bolts.

※If it is not keep the inside of mounting bracket and setting, there is a possibility it will decreased load capacity.



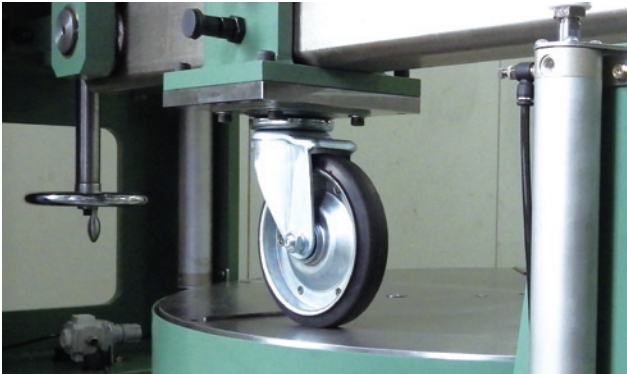
# Caster Selection Guide according to Mounting Method





## Introduction our Product Testing

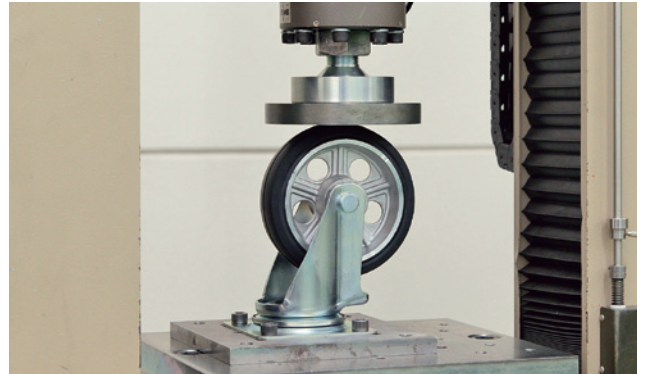
### The Lever rolling test machine



#### Manufactures by YUEI

To evaluate the rolling durability test (Wheel, Turning parts). Appendix the load capacity on the caster, to drive with a certain distance and speed on the steel turn table which provided projection.

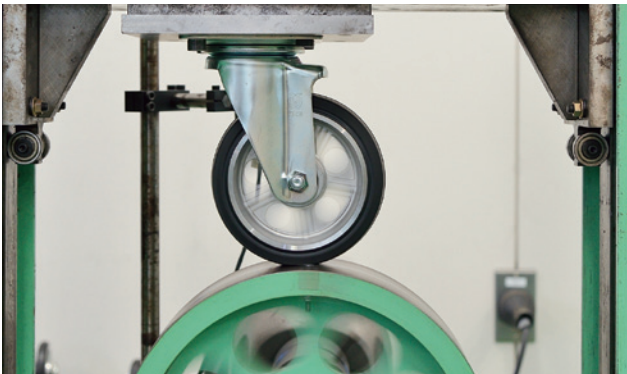
### The Draw and Compression test machine



#### Manufactures by IMADA MFG. SDW-9902-SH

When add the load to measure distortion, make the Estimated data of load capacity. There are two kinds of test which Breaking test (To load destruction) and Static load test (To load the constant load for a certain period of time)

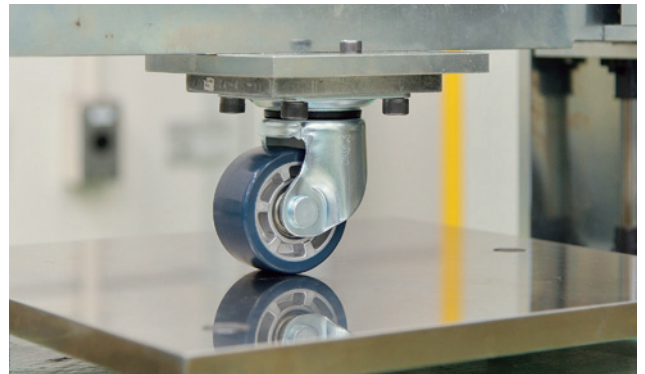
### The Drum type rolling test machine



#### Manufactures by YUEI

To evaluate the rolling durability test (Wheel, Turning parts). Appendix the load capacity on the caster, to drive with a certain distance and speed on the steel drum. It can measure vertical vibration of the load too.

### The Turning start force test machine



#### Manufactures by YUEI

This is the test that to appreciate the turning of swivel casters. The wheel put at right angles to the line and test for start ability to the line under load loading.

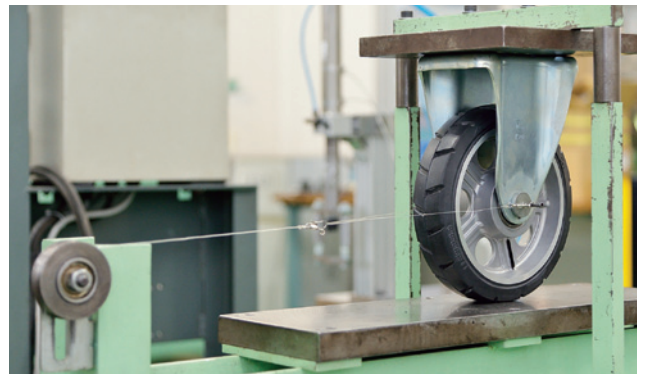
### The Drop impact test machine



#### Manufactures by YUEI

Appendix the strength in impact of casters. It can repeatedly drop the weight from set height until failure occurs in a caster and measure the deformation volume of caster's height and wheels.

### The Rolling test machine



#### Manufactures by YUEI

Appendix the capability for rolling of wheels. Setting the casters on level table and testing while gradually add to weight with line via the pulley. And measure the start ability when the wheels turned 90-degree.

# Precautions for mounting a caster

## Do NOT use casters as follows.

### Matters that lead to breakage of casters



**Load shall be applied according to allowance load.**

If load exceeding allowable load is applied, the caster may be damaged, and its performance may be degraded.



**Do not drop or apply shock to the caster.**

Do not drop or apply shock to the caster.



**Do not move the caster forcibly while the stopper is applied.**

The stopper part may be damaged.



**For fixed wheel, do not apply excessive force at right rotation angle of a wheel.**

The bracket may be deformed, and performance of the caster may be degraded.



**Do not strike the stopper part with a hammer or step on the stopper part hardly.**

The stopper part may be damaged.



**Do not use caster on significantly uneven surface.**

The life of the caster may be shortened.



**Do not use the caster under special environment susceptible to high temperature, low temperature and high humidity, etc.**

Breakage or performance degradation of the caster may occur.



**When mounting the screw-in type caster, be sure to tighten the caster at the hexagonal part on the stem using a wrench.**



**Do not use for towing by power.**

The caster may be damaged, and it may cause accident or injury.



**Do not leave the caster while the stopper is applied on an inclined surface.**

Leaving casters on an inclined surface since casters may start moving suddenly. Breakage or performance degradation of casters may occur.

### Matters that lead to personal injury



**Be sure to avoid eccentric loading.**

Be sure to avoid eccentric loading.



**Please do not ride on a trolley equipped with casters.**

It's very dangerous that the injury or casualty events may occur.

## Application

Casters are designed to be intermittently used by humans in order to facilitate transfer of items.

It is also assumed that the product selection will be installed in various indoor and outdoor devices. So please select the product according to the usage conditions, applications and check the correct installation and setting conditions.

## Optimum caster selection and usage conditions

### ① Allowance load

The allowable load described in the catalog indicates a value that is easy to move when carrying a flat floor by human power. Please choose suitable allowance load of caster for your goods. There is a case that cart stands by 3 caster wheels even if 4 caster wheels are attached. Please multiply the total load by 0.8 as below. (Total load is included the weight of trolley)

◆When using 4 pieces of casters

Allowance movable load = Allowance load of one piece of caster × 4 × 0.8

♠Expression of power is daN. 1daN=10N=1.02kgf (1kgf=9.8N=0.98daN)

### ② Using speed

Casters shall run on flat floor surface at room temperature, and casters shall be used within the range on the following table. (Do not use casters continuously if heat is generated.)

Wheel diameter	Using speed
100mm or less	2km/h or lower
100mm or less	4km/h or lower

♠Please use SMOOSTAR (Caster for towing) below 10km/h speed.

### ③ Using conditions

Generally, caster is on the assumption that used indoor and by ordinary temperature. Please avoid using in special condition such as high-temperature, low-temperature, much humidity, acid, alkali, salty, oil, sea-water, chemicals. It may cause deterioration of the product. Grease, wheel, folk are needed for each application under special environment. It may cause dirt on some materials. (Please feel free to ask us.) Please use stopper when you stop the trolley temporarily.

### ④ Stopper

Please be aware that stoppers may be unexpectedly released due to wear and damage due to long-term use, deterioration of function due to damage or impact. Hard wheel is inferior to brake performance compared with another wheel. If you need, please use wheel stopper on the ground for safety.

## Precautions for mounting a caster

- (1) Combine casters that are the same series.
- (2) Mount swivel casters in such a manner that the rotation axis is vertical.
- (3) Mount fixed casters in such a manner that casters become parallel each other.
- (4) Tighten the mounting bolts to prevent loosening and install them properly. For a screw-in type caster, check proper torque so that the caster could be tightened correctly.
- (5) Be sure to set the stopper to OFF when mounting a caster equipped with a stopper. If a caster is mounted while the stopper is set to ON, the braking portion may be damaged.

## Precautions for use

- Depending on usage conditions and environment, tire mark may remain on the floor.
- Do not apply load exceeding allowance load.
- Be sure to load the individual wheels evenly.
- Do not apply excessive force other than the direction of rotation of the fixed wheel.
- Do not use casters in such a manner that impact is applied. (Impact such as climbing over the stepped surface, falling down, poking into the fork of a forklift, etc.)
- Do not use casters on significantly uneven surface.
- Do not tow casters by use of a trailer, etc.※ Excluding casters supporting towing.
- Please wear shoes and operate the stopper.
- Do not move the caster forcibly while the stopper is applied.
- Please do not give force to the stopper or give a strong shock.
- Do not leave the trolley alone on the inclined surface even if stopper is set on.
- Do not operate the stopper while the caster is moving.
- Be sure to check that the stopper is released when moving the caster.
- Do not modify casters.※ We assume no responsibility whatsoever for any accidents or failure resulting from modification.
- If a person, such as a chair, is used to sit on or ride, please contact our service center.

## Inspection, maintenance and replacement

- ① Perform inspection and maintenance regularly in order to prevent accident and use a caster for a lengthy period.
- ② Please check the following items regularly.
  - Is there any abnormality in the tightening part of the castor?
  - Is there any breakage, crack and deformation of the caster?
  - Is there any looseness of axle?
- ③ If products have defects, such as deterioration and breakage, replace defective products immediately. (Do not only replace part of products.)
- ④ If the revolving portion or wheel portion catches foreign substance, remove the substance immediately. Otherwise, poor rotating movement may occur.

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Product No.	Page	Product No.	Page	Product No.	Page	Product No.	Page	Product No.	Page
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AF-100MC	274	ELOCK-200	198	ET-125RHS,UNF1/2x25	060	ETF-100EL,φ19	064	G-65BNS	067
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AF-65	160/196	ELOCK-75	198	ET-125UR,M12x35	056	ETF-100EL,φ34	064	G-65ELS	067
AF-75	160/196	ER-100EL	052	ET-125UR,M16x40	056	ETF-100ELS,φ19	065	G-65N	066
AF-75MC	274	ER-100N	053	ET-125UR,UNF1/2x25	056	ETF-100ELS,φ22	065	G-65NS	067
AU-250	256	ER-100NR	053	ET-125UR,W3/4x40	056	ETF-100ELS,φ34	065	G-65RH	066
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AUK-250	134	ER-100RH	053	ET-125URS,M16x40	061	ETF-100N,φ22	064	G-65UR	066
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AW-200	273	ER-100UHF	053	ET-125URS,W3/4x40	061	ETF-100NR,φ19	064	G-75BN	066
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AWJ-250	123	ER-50EL	052	ET-50ELS,M12x35	060	ETF-100NRB,φ22	064	G-75N	066
AWK-250	134	ER-50N	053	ET-50ELS,UNF1/2x14	060	ETF-100NRB,φ34	064	G-75NS	067
BRU-100,BC	259/270	ER-50R	053	ET-50ELS,W3/8x14	060	ETF-100NRBDS,φ19	065	G-75RH	066
BRU-125,BC	259	ER-50RE	053	ET-50N,M12x35	056	ETF-100NRBDS,φ22	065	G-75RHS	067
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CAL-HG-65GNB	150/180	ER-65EL	052	ET-50N,W3/8x14	056	ETF-100NRS,φ19	065	G-75URS	068
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CAL-HG-65MCE	150/180	ER-65N	053	ET-50NS,UNF1/2x14	061	ETF-100NRS,φ34	065	GR-25EL	068
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CAL-UHG-50MC	151/181	ER-75RHE	053	ET-50RES,M12x35	061	ETF-100RHS,φ22	065	GR-32EL	068
CAL-UHG-50MCE	151/181	ER-75UR	053	ET-50RES,UNF1/2x14	061	ETF-100RHS,φ34	065	GR-32N	069
CAL-UHG-50PB	151/181	ET-100EL,M12x35	055	ET-50RES,W3/8x14	061	ETF-100UHF,φ19	064	GR-32R	068
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CAL-UHG-65MCE	151/181	ET-100EL,W3/4x40	055	ET-50RS,W3/8x14	060	ETF-100HFDS,φ19	065	GR-38EL	068
CAL-UHG-65PB	151/181	ET-100ELS,M12x35	060	ET-50UR,M12x35	056	ETF-100HFDS,φ22	065	GR-38N	069
CAL-UHG-75GFB	151/181	ET-100ELS,M16x40	060	ET-50UR,UNF1/2x14	056	ETF-100HFDS,φ34	065	GR-38PC-C	069
CAL-UHG-75MC	151/181	ET-100ELS,UNF1/2x25	060	ET-50UR,W3/8x14	056	ETF-100UR,φ19	064	GR-38PC-G	069
CAL-UHG-75MCE	151/181	ET-100ELS,W3/4x40	060	ET-50URS,M12x35	061	ETF-100UR,φ22	064	GR-38PC-R	069
CAL-UHG-75PB	151/181	ET-100N,M12x35	056	ET-50URS,UNF1/2x14	061	ETF-100UR,φ34	064	GR-38R	068
E-100EL	047	ET-100N,M16x40	056	ET-50URS,W3/8x14	061	ETF-100URS,φ19	065	GR-38UR	069
E-100ELS	049	ET-100N,UNF1/2x25	056	ET-65EL,M12x35	055	ETF-100URS,φ22	065	GR-50BN	069
E-100N	047	ET-100N,W3/4x40	056	ET-65EL,UNF1/2x14	055	ETF-100URS,φ34	065	GR-50EL	068
E-100NR	047	ET-100NR,M12x35	057	ET-65EL,W3/8x14	055	ETF-125RH,φ19	064	GR-50N	069
E-100NRB	047	ET-100NR,M16x40	057	ET-65ELS,M12x35	060	ETF-125RH,φ22	064	GR-50PC-C	069
E-100NRBDS	050	ET-100NR,UNF1/2x25	057	ET-65ELS,UNF1/2x14	060	ETF-125RHS,φ19	065	GR-50PC-G	069
E-100NRS	050	ET-100NR,W3/4x40	057	ET-65N,M12x35	056	ETF-125RHS,φ22	065	GR-50PC-R	069
E-100NS	050	ET-100NRB,M12x35	057	ET-65N,UNF1/2x14	056	ETF-125RHS,φ34	065	GR-50R	068
E-100RH	047	ET-100NRB,M16x40	057	ET-65N,UNF1/2x14	056	ETF-125URS,φ19	064	GR-50UR	069
E-100RHE	047	ET-100NRB,UNF1/2x25	057	ET-65N,W3/8x14	056	ETF-125UR,φ19	064	GR-65BN	069
E-100RHES	050	ET-100NRB,W3/4x40	057	ET-65NS,M12x35	061	ETF-125UR,φ22	064	GR-65EL	068
E-100RHS	050	ET-100NRBDS,M12x35	062	ET-65NS,UNF1/2x14	061	ETF-125UR,φ34	064	GR-65N	069
E-100UHF	047	ET-100NRBDS,M16x40	062	ET-65NS,W3/8x14	061	ETF-125URS,φ19	065	GR-65RH	068
E-100HFDS	050	ET-100NRBDS,UNF1/2x25	062	ET-65RH,M12x35	055	ETF-125URS,φ22	065	GR-65UR	069
E-100UR	047	ET-100NRBDS,W3/4x40	062	ET-65RH,UNF1/2x14	055	ETF-125URS,φ34	065	GR-75BN	069
E-100URS	050	ET-100NRS,M12x35	061	ET-65RH,W3/8x14	056	G-25BN	066	GR-75EL	068
E-125RH	047	ET-100NRS,M16x40	061	ET-65RHES,M12x35	061	G-25EL	066	GR-75N	069
E-125RHS	050	ET-100NRS,UNF1/2x25	061	ET-65RHE,UNF1/2x14	056	G-25N	066	GR-75RH	068
E-125UR	047	ET-100NRS,W3/4x40	061	ET-65RHE,W3/8x14	056	G-25PC-C	067	GR-75UR	069
E-125URS	050	ET-100NS,M12x35	061	ET-65RHES,M12x35	061	G-25PC-G	067	GU-100	256/258/259/264
E-40BN-AF	082/195	ET-100NS,M16x40	061	ET-65RHES,UNF1/2x14	061	G-25PC-R	067	GU-100 Double side boss deep ball bearing	268
E-50BN-AF	082/195	ET-100NS,UNF1/2x25	061	ET-65RHES,W3/8x14	061	G-25R	066	GU-125	259
E-50EL	047	ET-100NS,W3/4x40	061	ET-65RHS,M12x35	060	G-25UR	066	GU-125(B56)	258
E-50ELS	049	ET-100RH,M12x35	055	ET-65RHS,UNF1/2x14	060	G-32BN	066	GU-130	256
E-50N	047	ET-100RH,M16x40	055	ET-65RHS,W3/8x14	060	G-32EL	066	GU-130φ12	258
E-50NS	050	ET-100RH,UNF1/2x25	055	ET-65UR,M12x35	056	G-32N	066	GU-130 Double side boss deep ball bearing	268
E-50R	047	ET-100RH,W3/4x40	055	ET-65UR,UNF1/2x14	056	G-32R	066	GU-150	256
E-50RE	047	ET-100RHE,M12x35	056	ET-65UR,W3/8x14	056	G-32UR	066	GU-150φ12	258
E-50RES	050	ET-100RHE,M16x40	056	ET-65URS,M12x35	061	G-38BN	066	GU-200	256
E-50RS	050	ET-100RHE,UNF1/2x25	056	ET-65URS,UNF1/2x14	061	G-38BNS	067	GU-75	256
E-50UR	047	ET-100RHE,W3/4x40	056	ET-65URS,W3/8x14	061	G-38EL	066	GUJ-100	122
E-50URS	050	ET-100RHES,M12x35	061	ET-75EL,M12x35	055	G-38ELS	067	GUJ-100S	125
E-65EL	047	ET-100RHES,M16x40	061	ET-75EL,UNF1/2x14	055	G-38N	066	GUJ-130	122
E-65ELS	049	ET-100RHES,UNF1/2x25	061	ET-75EL,W3/8x14	055	G-38NS	067	GUJ-130S	125
E-65N	047	ET-100RHES,W3/4x40	061	ET-75ELS,M12x35	060	G-38PC-C	067	GUJ-150	122
E-65NS	050	ET-100RHS,M12x35	060	ET-75ELS,UNF1/2x14	060	G-38PC-G	067	GUJ-150S	125
E-65RH	047	ET-100RHS,M16x40	060	ET-75ELS,W3/8x14	060	G-38PC-R	067	GUJ-200	122
E-65RHE	047	ET-100RHS,UNF1/2x25	060	ET-75N,M12x35	056	G-38PCS-C	068	GUJ-200S	125
E-65RHES	050	ET-100RHS,W3/4x40	060	ET-75N,UNF1/2x14	056	G-38PCS-G	068	GUJ-75	122
E-65RHS	050	ET-100UHF,M12x35	057	ET-75N,W3/8x14	056	G-38PCS-R	068	GUJ-75S	125
E-65UR	047	ET-100UHF,M16x40	057	ET-75NS,M12x35	061	G-38R	066	GUJ2-130	088
E-65URS	050	ET-100UHF,UNF1/2x25	057	ET-75NS,UNF1/2x14	061	G-38RS	067	GUJ2-130S	091
E-75EL	047	ET-100UHF,W3/4x40	057	ET-75NS,W3/8x14	061	G-38UR	066	GUJ2-150	088
E-75ELS	049	ET-100UHFDS,M12x35	062	ET-75RH,M12x35	055	G-38URS	068	GUJ2-150S	081
E-75N	047	ET-100UHFDS,M16x40	062	ET-75RH,UNF1/2x14	055	G-50BN	066	GUJ2K-130	095
E-75NS	050	ET-100UHFDS,UNF1/2x25	062	ET-75RH,W3/8x14	055	G-50BNS	067	GUJ2K-130S	096
E-75RH	047	ET-100UHFDS,W3/4x40	062	ET-75RHE,M12x35	056	G-50EL	066	GUJ2K-150	095
E-75RHE	047	ET-100UR,M12x35	056	ET-75RHE,UNF1/2x14	056	G-50ELS	067	GUJ2K-150S	096
E-75RHES	050	ET-100UR,M16x40	056	ET-75RHE,W3/8x14	056	G-50N	066	GUJB-100(L)	127
E-75RHS	050	ET-100UR,UNF1/2x25	056	ET-75RHE,M12x35	061	G-50NS	067	GUJB-100(R)	129
E-75UR	047	ET-100UR,W3/4x40	056	ET-75RHES,UNF1/2x14	061	G-50PC-C	067	GUJB-130(L)	127
E-75URS	050	ET-100URS,M12x35	061	ET-75RHES,W3/8x14	061	G-50PC-G	067	GUJB-130(R)	129
EF-65ELSB	049/220	ET-100URS,M16x40	061	ET-75RHS,M12x35	060	G-50PC-R	067	GUJB-150(L)	127
EF-75ELSB	049/220	ET-100URS,UNF1/2x25	061	ET-75RHS,UNF1/2x14	060	G-50PCS-C	068	GUJB-150(R)	129
EF-75ELSBDS	052/220	ET-100URS,W3/4x40	061	ET-75RHS,W3/8x14	060	G-50PCS-G	068	GUJB-200(L)	127
EFT-65ELSB,M12x35	059/221	ET-125RH,M12x35	055	ET-75UR,M12x35	056	G-50PCS-R	068	GUJB-200(R)	129
EFT-75ELSB,M12x35	059/221	ET-125RH,M16x40	055	ET-75UR,UNF1/2x14	056	G-50R	066	GUJB-75(R)	129
EFT-75ELSBDS,M12x35	063/222	ET-125RH,UNF1/2x25	055	ET-75UR,W3/8x14	056	G-50RS	067	GUJK-150	130
ELOCK-100	198	ET-125RH,W3/4x40	055	ET-75URS,M12x35	061	G-50UR	066	GUJK-150S	132
ELOCK-100(H130)	198	ET-125RHS,M12x35	060	ET-75URS,UNF1/2x14	061	G-50URS	068	GUK-100	133

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GUK-130	133	HT-50MC,M16x40	158	LG-50R	070	LT-65URS,M12x35	076	LT-50RES,φ18	080
GUK-150	133	HT-50MCE,M20x40	158	LG-50RE	070	LT-65URS.UNF1/2x14	076	LT-50RES,φ22	080
GUK-200	133	HT-50MCE,M16x40	158	LG-50RES	071	LT-65URS,W3/8x14	076	LT-50RES,φ24P	080
GUK-75	133	HT-50MCE,M20x40	158	LG-50RS	071	LT-75BN,M12x14	074	LT-50RS,φ16	079
GUK2-125	099	HT-50MCES,M16x40	159	LG-50UR	070	LT-75BN,M12x35	074	LT-50RS,φ18	079
GUK2-150	099	HT-50MCES,M20x40	159	LG-50URS	071	LT-75BN.UNF1/2x14	074	LT-50RS,φ22	079
GUK2-150(P112x53)	099	HT-50MCS,M16x40	159	LHG-40BN	081	LT-75BN,W3/8x14	074	LT-50RS,φ24P	079
GUK2/D-130	100	HT-50MCS,M20x40	159	LHG-50BN	081	LT-75BNS,M12x14	076	LT-65BN,φ16	078
GUK2/D-150	100	HT-65AU,M16x40	158	LR-50BN	072	LT-75BNS,M12x35	076	LT-65BN,φ18	078
GUKB-100(L)	136	HT-65AU,M20x40	158	LR-50N	072	LT-75BNS.UNF1/2x14	076	LT-65BN,φ22	078
GUKB-100(R)	137	HT-65GNB,M16x40	158	LR-50R	072	LT-75BNS,W3/8x14	076	LT-65BN,φ24P	078
GUKB-130(L)	136	HT-65GNB,M20x40	158	LR-50RE	072	LT-75EL,M12x14	074	LT-65BNS,φ16	080
GUKB-130(R)	137	HT-65GNBS,M16x40	159	LR-50UR	072	LT-75EL,M12x35	074	LT-65BNS,φ18	080
GUKB-150(L)	136	HT-65GNBS,M20x40	159	LT-40BN,M12x14	074	LT-75EL.UNF1/2x14	074	LT-65BNS,φ22	080
GUKB-150(R)	137	HT-65MC,M16x40	158	LT-40BN.UNF1/2x14	074	LT-75EL,W3/8x14	074	LT-65BNS,φ24P	080
GUKB-200(L)	136	HT-65MC,M20x40	158	LT-40BN,W3/8x14	074	LT-75ELS,M12x14	076	LT-65EL,φ16	078
GUKB-200(R)	137	HT-65MCE,M16x40	158	LT-40BNS,M12x14	076	LT-75ELS,M12x35	076	LT-65EL,φ18	078
H-38BN	266	HT-65MCE,M20x40	158	LT-40BNS.UNF1/2x14	076	LT-75ELS.UNF1/2x14	076	LT-65EL,φ22	078
H-50BN	266	HT-65MCES,M16x40	159	LT-40BNS,W3/8x14	076	LT-75ELS,W3/8x14	076	LT-65EL,φ24P	078
H-65AU	266/267/274	HT-65MCES,M20x40	159	LT-40N,M12x14	073	LT-75N,M12x14	073	LT-65ELS,φ16	080
H-65GNB	265/266/267/274	HT-65MCS,M16x40	159	LT-40N.UNF1/2x14	073	LT-75N,M12x35	073	LT-65ELS,φ18	080
H-65MC	265/266/267/274	HT-65MCS,M20x40	159	LT-40N,W3/8x14	073	LT-75N.UNF1/2x14	073	LT-65ELS,φ22	080
H-65MCE	266/267/274	HT-65PB,M16x40	158	LT-40NS,M12x14	075	LT-75N,W3/8x14	073	LT-65ELS,φ24P	080
H-65PB	265/266/267/274	HT-65PB,M20x40	158	LT-40NS.UNF1/2x14	075	LT-75NS,M12x14	075	LT-65N,φ16	077
H-75AU	266/267/274	HT-65PBS,M16x40	159	LT-40NS,W3/8x14	075	LT-75NS,M12x35	075	LT-65N,φ18	077
H-75GNB	265/266/267/274	HT-65PBS,M20x40	159	LT-40R,M12x14	073	LT-75NS,UNF1/2x14	075	LT-65N,φ22	077
H-75MC	265/266/267/274	HT-75AU,M16x40	158	LT-40R.UNF1/2x14	073	LT-75NS,W3/8x14	075	LT-65N,φ24P	077
H-75MCE	266/267/274	HT-75AU,M20x40	158	LT-40R,W3/8x14	073	LT-75RH,M12x14	073	LT-65NS,φ16	079
H-75PB	265/266/267/274	HT-75GNB,M16x40	158	LT-40RS,M12x14	075	LT-75RH,M12x35	073	LT-65NS,φ18	079
HG-38BN-W	148	HT-75GNB,M20x40	158	LT-40RS.UNF1/2x14	075	LT-75RH.UNF1/2x14	073	LT-65NS,φ22	079
HG-50BN-W	148	HT-75GNBS,M16x40	159	LT-40RS,W3/8x14	075	LT-75RH,W3/8x14	073	LT-65NS,φ24P	079
HG-50GNB	144	HT-75GNBS,M20x40	159	LT-50BN,M12x14	074	LT-75RHE,M12x14	075	LT-65RES,φ16	080
HG-50GNB(P54x36)	144	HT-75MC,M16x40	158	LT-50BN.UNF1/2x14	074	LT-75RHE,M12x35	075	LT-65RES,φ18	080
HG-50GNBS	146	HT-75MCE,M20x40	158	LT-50BN,W3/8x14	074	LT-75RHE.UNF1/2x14	075	LT-65RES,φ22	080
HG-50GNBS(P54x36)	146	HT-75MCE,M16x40	158	LT-50BNS,M12x14	076	LT-75RHE,W3/8x14	075	LT-65RES,φ24P	080
HG-50MC	144/175	HT-75MCE,UNF1/2x14	158	LT-50BNS.UNF1/2x14	076	LT-75RHS,M12x14	076	LT-65RH,φ16	077
HG-50MCE	144	HT-75MCS,M16x40	159	LT-50BNS,W3/8x14	076	LT-75RHS,M12x35	076	LT-65RH,φ18	077
HG-50MCES	146	HT-75MCS,M20x40	159	LT-50N,M12x14	073	LT-75RHS,UNF1/2x14	076	LT-65RH,φ22	077
HG-50MCS	146	HT-75MCS,M16x40	159	LT-50N,UNF1/2x14	073	LT-75RHS,W3/8x14	076	LT-65RH,φ24P	077
HG-65AU	144	HT-75MCS,M20x40	159	LT-50N,W3/8x14	073	LT-75RHS,M12x14	075	LT-65RH,φ16	078
HG-65AU-AF	161/197	HT-75PB,M16x40	158	LT-50NS,M12x14	075	LT-75RHS,M12x35	075	LT-65RHE,φ18	078
HG-65GNB	144	HT-75PB,M20x40	158	LT-50NS,UNF1/2x14	075	LT-75RHS,UNF1/2x14	075	LT-65RHE,φ22	078
HG-65GNB-AF	161/197	HT-75PBS,M16x40	159	LT-50NS,W3/8x14	075	LT-75RHS,W3/8x14	075	LT-65RHE,φ24P	078
HG-65GNBS	146	HT-75PBS,M20x40	159	LT-50R,M12x14	073	LT-75UR,M12x14	074	LT-65RHS,φ16	079
HG-65MC	144	KRJ2K-150GU	098	LT-50R,UNF1/2x14	073	LT-75UR,M12x35	074	LT-65RHS,φ18	079
HG-65MCE-AF	161/197	KRJ2K-150N	098	LT-50R,W3/8x14	073	LT-75UR,UNF1/2x14	074	LT-65RHS,φ22	079
HG-65MCE	144	KRJ2K-150NWR	098	LT-50RE,M12x14	074	LT-75UR,W3/8x14	074	LT-65RHS,φ24P	079
HG-65MCE-AF	161/197	KRJ2K-150W-P	098	LT-50RE,UNF1/2x14	074	LT-75URS,M12x14	076	LT-65UR,φ16	078
HG-65MCES	146	L-25BN	262	LT-50RE,W3/8x14	074	LT-75URS,M12x35	076	LT-65UR,φ18	078
HG-65MCS	146	L-25EL	262	LT-50RES,M12x14	076	LT-75URS,UNF1/2x14	076	LT-65UR,φ22	078
HG-65PB	144	L-25N	262	LT-50RES,UNF1/2x14	076	LT-75URS,W3/8x14	076	LT-65UR,φ24P	078
HG-65PB-AF	161/197	L-25PC-C	262	LT-50RES,W3/8x14	076	LT-75URS,φ16	078	LT-65URS,φ16	080
HG-65PBS	146	L-25PC-G	262	LT-50RS,M12x14	075	LT-75UR,φ18	078	LT-65URS,φ18	080
HG-75AU	144	L-25PC-R	262	LT-50RS,UNF1/2x14	075	LT-75UR,φ22	078	LT-65URS,φ22	080
HG-75AU-AF	161/197	L-25R	261	LT-50RS,W3/8x14	075	LT-75UR,φ24P	078	LT-65URS,φ24P	080
HG-75GNB	144	L-25UR	262	LT-65BN,M12x14	074	LT-75UR,φ16	077	LT-65URS,φ16	078
HG-75GNB-AF	161/197	L-32BN	262	LT-65BN,M12x35	074	LT-75UR,φ18	080	LT-65URS,φ18	078
HG-75GNBS	146	L-32EL	262	LT-65BN,UNF1/2x14	074	LT-75UR,φ22	080	LT-65URS,φ22	078
HG-75MC	144	L-32N	262	LT-65BN,W3/8x14	074	LT-75UR,φ24P	080	LT-65URS,φ24P	078
HG-75MC-AF	161/197	L-32R	261	LT-65BNS,M12x14	076	LT-75UR,φ16	077	LT-65URS,φ16	080
HG-75MCE	144	L-32UR	262	LT-65BNS,M12x35	076	LT-75UR,φ18	077	LT-65URS,φ18	080
HG-75MCE-AF	161/197	L-38BN	262	LT-65BNS,UNF1/2x14	076	LT-75UR,φ22	077	LT-65URS,φ22	080
HG-75MCES	146	L-38EL	262	LT-65BNS,W3/8x14	076	LT-75UR,φ24P	077	LT-65URS,φ24P	080
HG-75MCS	146	L-38N	262	LT-65ELS,M12x14	074	LT-75UR,φ16	077	LT-65URS,φ16	078
HG-75PB	144	L-38PC-C	262	LT-65ELS,M12x35	074	LT-75UR,φ18	079	LT-65URS,φ18	078
HG-75PB-AF	161/197	L-38PC-G	262	LT-65EL,UNF1/2x14	074	LT-75UR,φ22	079	LT-65URS,φ22	078
HG-75PBS	146	L-38PC-R	262	LT-65EL,W3/8x14	074	LT-75UR,φ24P	079	LT-65URS,φ24P	078
HGL-32GNB	152	L-38R	261	LT-65ELS,M12x14	076	LT-75UR,φ16	077	LT-65URS,φ16	080
HL-32GNB	265	L-38UR	262	LT-65ELS,M12x35	076	LT-75UR,φ18	077	LT-65URS,φ18	080
HR-50GNB	153	L-40BN	263	LT-65ELS,UNF1/2x14	076	LT-75UR,φ22	077	LT-65URS,φ22	080
HR-50MC	153	L-40BN(B24)	265/274	LT-65ELS,W3/8x14	076	LT-75UR,φ24P	077	LT-65URS,φ24P	080
HR-50MCE	153	L-40N	263	LT-65N,M12x14	073	LT-75UR,φ16	079	LT-65URS,φ16	077
HR-65AU	153	L-40R	262	LT-65N,M12x35	073	LT-75UR,φ18	079	LT-65URS,φ18	077
HR-65GNB	153	L-50BN	262/263/264/274	LT-65N,UNF1/2x14	073	LT-75UR,φ22	079	LT-65URS,φ22	077
HR-65MC	153	L-50EL	261/262	LT-65N,W3/8x14	075	LT-75UR,φ24P	079	LT-65URS,φ24P	077
HR-65MCE	153	L-50N	261/262/263	LT-65NS,M12x14	075	LT-75UR,φ16	078	LT-65URS,φ16	079
HR-65PB	153	L-50PC-C	262	LT-65NS,M12x35	075	LT-75UR,φ18	078	LT-65URS,φ18	079
HR-75AU	153	L-50PC-G	262	LT-65NS,UNF1/2x14	075	LT-75UR,φ22	078	LT-65URS,φ22	079
HR-75GNB	153	L-50PC-R	262	LT-65NS,W3/8x14	075	LT-75UR,φ24P	078	LT-65URS,φ24P	079
HR-75MC	153	L-50R	261/262/263	LT-65RH,M12x14	073	LT-75UR,φ16	080	LT-65URS,φ16	077
HR-75MCE	153	L-50RE	261/262	LT-65RH,M12x35	073	LT-75UR,φ18	080	LT-65URS,φ18	077
HR-75PB	153	L-50UR	261/262/263	LT-65RH,UNF1/2x14	073	LT-75UR,φ22	080	LT-65URS,φ22	077
HSG-50GFB	156	L-65BN	263	LT-65RH,UNF1/2x14	073	LT-75UR,φ24P	080	LT-65URS,φ24P	077
HSG-50MC	156	L-65EL	261/263	LT-65RHE,M12x14	074	LT-75UR,φ16	077	LT-65URS,φ16	078
HSG-50MCE	156	L-65ELSB	268	LT-65RHE,M12x35	074	LT-75UR,φ18	077	LT-65URS,φ18	078
HSG-50PB	156	L-65N	261/263	LT-65RHE,UNF1/2x14	074	LT-75UR,φ22	077	LT-65URS,φ22	078
HSG-65AU	156	L-65RH	261/262	LT-65RHE,W3/8x14	074	LT-75UR,φ24P	077	LT-65URS,φ24P	078
HSG-65GNB	156	L-65RHE	261/262	LT-65RHES,M12x14	076	LT-75UR,φ16	079	LT-65URS,φ16	080
HSG-65MC	156	L-65UR	261/263	LT-65RHES,M12x35	076	LT-75UR,φ18	079	LT-65URS,φ18	080
HSG-65MCE	156	L-75BN	263	LT-65RHES,UNF1/2x14	076	LT-75UR,φ22	079	LT-65URS,φ22	080
HSG-65PB	156	L-75EL	261/263	LT-65RHES,W3/8x14	076	LT-75UR,φ24P	079	LT-65URS,φ24P	080
HSG-75AU	156	L-75ELSB	268	LT-65RHS,M12x14	075	LT-75UR,φ16	077	LT-65URS,φ16	079
HSG-75GNB	156	L-75N	261/263	LT-65RHS,M12x35	075	LT-75UR,φ18	077	LT-65URS,φ18	079
HSG-75MC	156	L-75RH	261/262	LT-65RHS,UNF1/2x14	075	LT-75UR,φ22	077	LT-65URS,φ22	079
HSG-75MCE	156	L-75RHE	261/262	LT-65RHS,W3/8x14	075	LT-75UR,φ24P	077	LT-65URS,φ24P	079
HSG-75PB	156	L-75UR	261/263	LT-65UR,M12x14	074	LT-75UR,φ16	078	LT-65URS,φ16	078
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HT-50GNB,M20x40	158	LG-50BNS	071	LT-65UR,UNF1/2x14	074	LT-75UR,φ22	078	LT-65URS,φ22	078
HT-50GNBS,M16x40	159	LG-50N	070	LT-65UR,W3/8x14	074	LT-75UR,φ24P	078	LT-65URS,φ24P	078
HT-50GNBS,M20x40	159	LG-50NS	071	LT-65URS,M12x14	076	LT-75URS,φ16	080	LT-65URS,φ16	080

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MR-75N	117	NRJ2-130S	091/232	PM-130GUB	257	PT-50TS,M12x14	167	SA-65EL	027
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NELOCK-150	199	NRJ2K-150	095	PM-200GUB	257	RJ2-100W-P-G	093	SA-75N	027
NELOCK-200	199	NRJ2K-150S	096	PM-200UWB	257	RJ2-100WS-P	094	SA-75NR	027
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NJ2-150S	091	NRJB-100(R)-G	128	PMR-100UWB	142	RJ2-125NP	093	SA-75NS	028
NJ2K-130	095	NRJB-130(L)	127	PMR-100WB	142	RJ2-125NPS	094	SA-75RH	027
NJ2K-130S	096	NRJB-130(R)	128	PMR-130GUB	142	RJ2-125NRS	093	SA-75RHS	028
NJ2K-150	095	NRJB-150(L)	127	PMR-130GUBLB(R)	143	RJ2-125NWR	093	SA-75UHF	027
NJ2K-150S	096	NRJB-150(L)-G	127	PMR-130UWB	142	RJ2-125NWR-G	094	SA-75UHFDS	029
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NK2-150(P112x53)	099	NRJB-150(R)-G	128	PMR-130WB	142	RJ2-125W	093	SA-75URS	029
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NK2/D-150	100	NRJK-150-G	130	PMR-130WBLB(R)	143	RJ2-125WS-G	094	SFHG-100NRBDS	021/224
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NP-100SUE-3	213	NRK-100-G	133	PMR-150GUB	142	RJ2-150N	093	SFHG-75NRBDS	021/224
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NP-125SUES-3	213	NRKB-100(R)-G	137	PMR-200GUB	142	RJ2-150WS-P	094	SG-100EL	015
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NPR-100SUE-2	214	NRKB-130(R)	137	PMR-200UWB	142	RJ2K-125NWR	097	SG-100NR	015
NPR-100SUE-3	214	NRKB-150(L)	135	PMR-200UWBLB(R)	143	RJ2K-125W-P	097	SG-100NRB	015
NPR-100SUES-1	214	NRKB-150(L)-G	135	PMR-200WB	142	S-100BN	260	SG-100NRBDS	020
NPR-100SUES-2	214	NRKB-150(R)	137	PMR-200WB-G	142	S-100EL	260/261/271	SG-100NRS	018
NPR-100SUES-3	214	NRKB-150(R)-G	137	PMR-200WBLB(R)	143	S-100SEL	268	SG-100NS	018



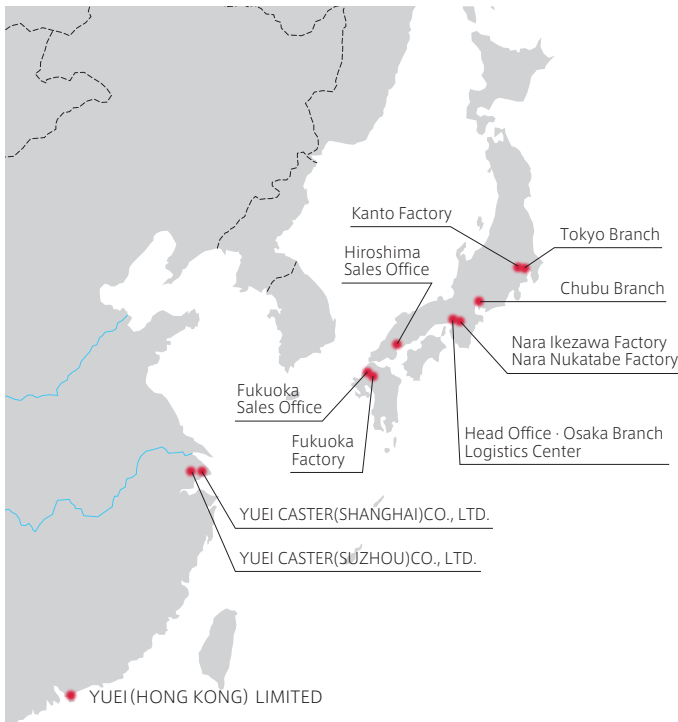
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SG-100RHES	018	SJ-100NB	102	SK-100GU	113	SKY-R100SUE-2	210	ST-100NR,UNF1/2x25	032
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SG-100UHF	016	SJ-100NR	102	SK-100NB	113	SKY-R125SUE-1	209	ST-100NRB,M12x35	032
SG-100UHFD	020	SJ-100NRS	105	SK-100NR	113	SKY-R125SUE-2	209	ST-100NRB,M16x40	032
SG-100UR	015	SJ-100NS	105	SK-100NRF	113/230	SKY-R125SUE-3	209	ST-100NRB,UNF1/2x25	032
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SG-50ELS	018	SJ-100W	102	SK-100W	113	SKY-S100SUE-2	207	ST-100NRBDS,M16x40	039
SG-50N	015	SJ-100W-P	102	SK-100W-P	113	SKY-S100SUE-3	207	ST-100NRBDS,UNF1/2x25	039
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SG-50RH	015	SJ-100WES	105	SK-125BRU,BC	114	SKY-S100SUES-2	208	ST-100NRBSW-1,M12x35	040
SG-50RHS	018	SJ-100WS	105	SK-125GU	113	SKY-S100SUES-3	208	ST-100NRBSW-1,M16x40	040
SG-50UR	015	SJ-100WS-P	105	SK-125W	113	SKY-S125SUE-1	207	ST-100NRBSW-2,M12x35	040
SG-50URS	018	SJ-125BRU,BC	103	SK-125W-P	113	SKY-S125SUE-2	207	ST-100NRBSW-2,M16x40	040
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SG-65ELS	018	SJ-125W	102	SK/D-100NB	116	SKY-S125SUES-3	208	ST-100NRS,M16x40	037
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SG-65URS	018	SJF-100NRS	107/229	SKY-2R150AW(AR)G-A-2	206	SKY-T100SUES-1,M16x40	212	ST-100NU(H132),M16x40	040
SG-75BN	015	SJF-100NRG-G	107/229	SKY-2R150WF-A-1	206	SKY-T100SUES-2,M12x35	212	ST-100NSUW-1,M12x35	040
SG-75BNS	018	SJT-100BRU,M16x40	109	SKY-2R150WF-A-2	206	SKY-T100SUES-2,M16x40	212	ST-100NSUW-1,M16x40	040
SG-75EL	015	SJT-100BRU,M20x40	109	SKY-2R150WF(INJ)-A-1	206	SKY-T100SUES-3,M12x35	212	ST-100NSUW-2,M12x35	040
SG-75ELS	018	SJT-100BRUS,M16x40	111	SKY-2R150WF(INJ)-A-2	206	SKY-T100SUES-3,M16x40	212	ST-100NSUW-2,M16x40	040
SG-75N	015	SJT-100BRUS,M20x40	111	SKY-2R150WF(AR)-A-1	206	SKY-T125SUE-1,M12x35	211	ST-100NSUW-3,M12x35	040
SG-75NR	015	SJT-100GU,M16x40	108	SKY-2R150WF(AR)-A-2	206	SKY-T125SUE-1,M16x40	211	ST-100NSUW-3,M16x40	040
SG-75NRB	015	SJT-100GU,M20x40	108	SKY-2R150WF(Gr)-A-1	206	SKY-T125SUE-2,M12x35	211	ST-100RH,M12x35	030
SG-75NRBDS	020	SJT-100GU,M16x40	111	SKY-2R150WF(Gr)-A-2	206	SKY-T125SUE-2,M16x40	211	ST-100RH,M16x40	030
SG-75NRS	018	SJT-100GUS,M20x40	111	SKY-2R200AW-A-1	206	SKY-T125SUE-3,M12x35	211	ST-100RH,UNF1/2x25	030
SG-75NS	018	SJT-100N,M16x40	108	SKY-2R200AW-A-2	206	SKY-T125SUE-3,M16x40	211	ST-100RH,W3/4x40	030
SG-75RH	015	SJT-100N,M20x40	108	SKY-2R200AW-B-1	206	SKY-T125SUES-1,M12x35	212	ST-100RHE,M12x35	032
SG-75RHE	015	SJT-100NB,M16x40	108	SKY-2R200AW-B-2	206	SKY-T125SUES-1,M16x40	212	ST-100RHE,M16x40	032
SG-75RHES	018	SJT-100NB,M20x40	108	SKY-2R200AW(AR)G-A-1	206	SKY-T125SUES-2,M12x35	212	ST-100RHE,UNF1/2x25	032
SG-75RHS	018	SJT-100NBS,M16x40	110	SKY-2R200AW(AR)G-A-2	206	SKY-T125SUES-2,M16x40	212	ST-100RHE,W3/4x40	032
SG-75UH	016	SJT-100NBS,M20x40	110	SKY-2R200AW(AR)G-B-1	206	SKY-T125SUES-3,M12x35	212	ST-100RHES,M12x35	037
SG-75UHFD	020	SJT-100NR,M16x40	108	SKY-2R200AW(AR)G-B-2	206	SKY-T125SUES-3,M16x40	212	ST-100RHES,M16x40	037
SG-75UR	015	SJT-100NR,M20x40	108	SKY-2R200WF-A-1	206	SPLG-50BN, AJ	081 / 195	ST-100RHES,UNF1/2x25	037
SG-75URS	018	SJT-100NRS,M16x40	110	SKY-2R200WF-A-2	206	SPLG-65BN, AJ	081 / 195	ST-100RHS,W3/4x40	037
SGC-100N, φ8.8	024	SJT-100NRS,M20x40	110	SKY-2R200WF-B-1	206	SPLG-75BN, AJ	081 / 195	ST-100RHS,M12x35	035
SGC-100NS, φ8.8	025	SJT-100NS,M16x40	110	SKY-2R200WF-B-2	206	SR-100BN	022	ST-100RHS,M16x40	035
SGC-100RH, φ8.8	024	SJT-100NS,M20x40	110	SKY-2R200WF(INJ)-A-1	206	SR-100EL	022	ST-100RHS,UNF1/2x25	035
SGC-100RHE, φ8.8	024	SJT-100PH,M16x40	109	SKY-2R200WF(INJ)-A-2	206	SR-100N	022	ST-100RHS,W3/4x40	035
SGC-100RHES, φ8.8	025	SJT-100PH,M20x40	109	SKY-2R200WF(INJ)-B-1	206	SR-100NR	022	ST-100UHF,M12x35	032
SGC-100RHS, φ8.8	025	SJT-100PHS,M16x40	110	SKY-2R200WF(INJ)-B-2	206	SR-100NRB	022/225	ST-100UHF,M16x40	032
SGC-100UR, φ8.8	024	SJT-100PHS,M20x40	110	SKY-2R200WF(AR)-A-1	206	SR-100RH	022	ST-100UHF,UNF1/2x25	032
SGC-100URS, φ8.8	025	SJT-100UW,M16x40	108	SKY-2R200WF(AR)-A-2	206	SR-100RHE	022	ST-100UHF,W3/4x40	032
SGC-50BN, φ8.8	024	SJT-100UW,M20x40	108	SKY-2R200WF(AR)-B-1	206	SR-100SEL	023/225	ST-100H(H132),M12x35	041
SGC-50BNS, φ8.8	025	SJT-100UWS,M16x40	110	SKY-2R200WF(AR)-B-2	206	SR-100UHF	023	ST-100H(H132),M16x40	041
SGC-50EL, φ8.8	024	SJT-100UWS,M20x40	110	SKY-2R200WF(Gr)-A-1	206	SR-100UR	022	ST-100UHFD,M12x35	039
SGC-50ELS, φ8.8	025	SJT-100W-P,M16x40	108	SKY-2R200WF(Gr)-A-2	206	SR-50BN	022	ST-100UHFD,M16x40	039
SGC-50N, φ8.8	024	SJT-100W-P,M20x40	108	SKY-2R200WF(Gr)-B-1	206	SR-50EL	022	ST-100UHFD,UNF1/2x25	039
SGC-50NS, φ8.8	025	SJT-100W,M16x40	108	SKY-2R200WF(Gr)-B-2	206	SR-50N	022	ST-100UHFD,W3/4x40	039
SGC-50RH, φ8.8	024	SJT-100W,M20x40	108	SKY-2S150AW-A-1	205	SR-50RH	022	ST-100UHFSW-1,M12x35	041
SGC-50RHS, φ8.8	025	SJT-100WE,M16x40	108	SKY-2S150AW-A-2	205	SR-50UR	022	ST-100UHFSW-1,M16x40	041
SGC-50UR, φ8.8	024	SJT-100WE,M20x40	108	SKY-2S150AW(AR)G-A-1	205	SR-65BN	022	ST-100UHFSW-2,M12x35	041
SGC-50URS, φ8.8	025	SJT-100WES,M16x40	110	SKY-2S150AW(AR)G-A-2	205	SR-65EL	022	ST-100UHFSW-2,M16x40	041
SGC-65BN, φ8.8	024	SJT-100WS,M20x40	110	SKY-2S150WF-A-1	205	SR-65N	022	ST-100UHFSW-3,M12x35	041
SGC-65BNS, φ8.8	025	SJT-100WS-P,M16x40	110	SKY-2S150WF-A-2	205	SR-65RH	022	ST-100UHFSW-3,M16x40	041
SGC-65EL, φ8.8	024	SJT-100WS-P,M20x40	110	SKY-2S150WF(INJ)-A-1	205	SR-65RHE	022	ST-100UR,M12x35	031
SGC-65ELS, φ8.8	025	SJT-100WS,M16x40	110	SKY-2S150WF(INJ)-A-2	205	SR-65UR	022	ST-100UR,M16x40	031
SGC-65N, φ8.8	024	SJT-100WS,M20x40	110	SKY-2S150WF(AR)-A-1	205	SR-75BN	022	ST-100UR,UNF1/2x25	031
SGC-65NS, φ8.8	025	SJT-125BRU,M16x40	109	SKY-2S150WF(AR)-A-2	205	SR-75EL	022	ST-100UR,W3/4x40	031
SGC-65RH, φ8.8	024	SJT-125BRU,M20x40	109	SKY-2S150WF(Gr)-A-1	205	SR-75N	022	ST-100URS,M12x35	036
SGC-65RHE, φ8.8	024	SJT-125BRUS,M16x40	111	SKY-2S150WF(Gr)-A-2	205	SR-75NR	022	ST-100URS,M16x40	036
SGC-65RHES, φ8.8	025	SJT-125BRUS,M20x40	111	SKY-2S200AW-A-1	205	SR-75NRB	022	ST-100URS,UNF1/2x25	036
SGC-65RHS, φ8.8	025	SJT-125BRUSW,M16x40	112	SKY-2S200AW-A-2	205	SR-75RH	022	ST-100URS,W3/4x40	036
SGC-65UR, φ8.8	024	SJT-125BRUSW,M20x40	112	SKY-2S200AW-B-1	205	SR-75RHE	022	ST-50BN,M12x35	031
SGC-65URS, φ8.8	025	SJT-125GU,M16x40	108	SKY-2S200AW-B-2	205	SR-75UH	023	ST-50BN,M16x40	031
SGC-75BN, φ8.8	024	SJT-125GU,M20x40	108	SKY-2S200AW(AR)G-A-1	205	SR-75UR	022	ST-50BN,UNF1/2x25	031
SGC-75BNS, φ8.8	025	SJT-125GUS,M16x40	111	SKY-2S200AW(AR)G-A-2	205	SR-85-75NRB	022/225	ST-50BN,W3/4x40	031
SGC-75EL, φ8.8	024	SJT-125GUS,M20x40	111	SKY-2S200AW(AR)G-B-1	205	ST-100BN,M12x35	031	ST-50BNS,M12x35	036
SGC-75ELS, φ8.8	025	SJT-125GUSW,M16x40	112	SKY-2S200AW(AR)G-B-2	205	ST-100BN,M16x40	031	ST-50BNS,M16x40	036
SGC-75N, φ8.8	024	SJT-125GUSW,M20x40	112	SKY-2S200WF-A-1	205	ST-100BN,UNF1/2x25	031	ST-50BNS,UNF1/2x25	036
SGC-75NR, φ8.8	024	SJT-125W-P,M16x40	108	SKY-2S200WF-A-2	205	ST-100BN,W3/4x40	031	ST-50BNS,W3/4x40	036
SGC-75NRB, φ8.8	024	SJT-125W-P,M20x40	108	SKY-2S200WF-B-1	205	ST-100BNS,M12x35	036	ST-50EL,M12x35	030
SGC-75NRBDS, φ8.8	026	SJT-125W,M16x40	108	SKY-2S200WF-B-2	205	ST-100BNS,M16x40	036	ST-50EL,M16x40	030
SGC-75NRS, φ8.8	025	SJT-125W,M20x40	108	SKY-2S200WF(INJ)-A-1	205	ST-100BNS,UNF1/2x25	036	ST-50EL,UNF1/2x25	030
SGC-75NS, φ8.8	025	SJT-125WE,M16x40	108	SKY-2S200WF(INJ)-A-2	205	ST-100BNS,W3/4x40	036	ST-50EL,W3/4x40	030
SGC-75RH, φ8.8	024	SJT-125WE,M20x40	108	SKY-2S200WF(INJ)-B-1	205	ST-100EL,M12x35	030	ST-50ELS,M12x35	035
SGC-75RHE, φ8.8	024	SJT-125WES,M16x40	110	SKY-2S200WF(INJ)-B-2	205	ST-100EL,M16x40	030	ST-50ELS,M16x40	035
SGC-75RHES, φ8.8	025	SJT-125WES,M20x40	110	SKY-2S200WF(AR)-A-1	205	ST-100EL,UNF1/2x25	030	ST-50ELS,UNF1/2x25	035
SGC-75RHS, φ8.8	025	SJT-125WESW,M16x40	112	SKY-2S200WF(AR)-A-2	205	ST-100EL,W3/4x40	030	ST-50ELS,W3/4x40	035
SGC-75UH, φ8.8	024	SJT-125WESW,M20x40	112	SKY-2S200WF(AR)-B-1	205	ST-100ELS,M12x35	035	ST-50N,M12x35	031
SGC-75UHFD, φ8.8	026	SJT-125WS-P,M16x40	110	SKY-2S200WF(AR)-B-2	205	ST-100ELS,M16x40	035	ST-50N,M16x40	031
SGC-75UR, φ8.8	024	SJT-125WS-P,M20x40	110	SKY-2S200WF(Gr)-A-1	205	ST-100ELS,UNF1/2x25	035	ST-50N,UNF1/2x25	031
SGC-75URS, φ8.8	025	SJT-125WS,M16x40	110	SKY-2S200WF(Gr)-A-2	205	ST-100ELS,W3/4x40	035	ST-50N,W3/4x40	031
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ST-65RHES,UNF1/2x25	037	ST-75UHFWSW-3,M12x35	041	STF-75NRS,φ22	045	SUS-ET-100RH,M16x40	058	SUS-HR-75MC	154
ST-65RHES,W3/4x40	037	ST-75UHFWSW-3,M16x40	041	STF-75NRS,φ24P	045	SUS-ET-100RH,W3/4x40	058	SUS-HR-75MCE	154
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ST-65RHS,M16x40	035	ST-75UR,M16x40	031	STF-75NS,φ22	044	SUS-ET-100RHS,M16x40	062	SUS-HSG-50GFB	157
ST-65RHS,UNF1/2x25	035	ST-75UR,UNF1/2x25	031	STF-75NS,φ24P	044	SUS-ET-100RHS,W3/4x40	062	SUS-HSG-50MC	157
ST-65RHS,W3/4x40	035	ST-75UR,W3/4x40	031	STF-75NS,φ34	044	SUS-ET-100UR,M12x35	058	SUS-HSG-50MCE	157
ST-65UR,M12x35	031	ST-75URS,M12x35	036	STF-75RH,φ22	042	SUS-ET-100UR,M16x40	058	SUS-HSG-50PB	157
ST-65UR,M16x40	031	ST-75URS,M16x40	036	STF-75RH,φ24P	042	SUS-ET-100UR,W3/4x40	058	SUS-HSG-65GNB	157
ST-65UR,UNF1/2x25	031	ST-75URS,UNF1/2x25	036	STF-75RHE,φ34	042	SUS-ET-100URS,M12x35	063	SUS-HSG-65MC	157
ST-65UR,W3/4x40	031	ST-75URS,W3/4x40	036	STF-75RHE,φ22	043	SUS-ET-100URS,M16x40	063	SUS-HSG-65MCE	157
ST-65URS,M12x35	036	STF-50BN,φ22	043	STF-75RHE,φ24P	043	SUS-ET-100URS,W3/4x40	063	SUS-HSG-65PB	157
ST-65URS,M16x40	036	STF-50BN,φ24P	043	STF-75RHE,φ34	043	SUS-ET-50EL,M12x35	058	SUS-HSG-75GNB	157
ST-65URS,UNF1/2x25	036	STF-50BN,φ34	043	STF-75RHES,φ22	045	SUS-ET-50ELS,M12x35	062	SUS-HSG-75MC	157
ST-65URS,W3/4x40	036	STF-50BNS,φ22	045	STF-75RHES,φ24P	045	SUS-ET-50N,M12x35	058	SUS-HSG-75MCE	157
ST-75BN,M12x35	031	STF-50BNS,φ24P	045	STF-75RHS,φ34	045	SUS-ET-50NS,M12x35	062	SUS-HSG-75PB	157
ST-75BN,M16x40	031	STF-50BNS,φ34	045	STF-75RHS,φ22	044	SUS-ET-50UR,M12x35	058	SUS-N-130φ12(with cover)	269
ST-75BN,UNF1/2x25	031	STF-50EL,φ22	042	STF-75RHS,φ24P	044	SUS-ET-50RS,M12x35	062	SUS-N-150φ12(with cover)	269
ST-75BN,W3/4x40	031	STF-50EL,φ24P	042	STF-75RHS,φ34	044	SUS-ET-50UR,M12x35	058	SUS-N-200	269
ST-75BNS,M12x35	036	STF-50EL,φ34	042	STF-75UH,φ22	043	SUS-ET-50URS,M12x35	063	SUS-NB-100(with cover)	123
ST-75BNS,M16x40	036	STF-50ELS,φ22	044	STF-75UH,φ24P	043	SUS-ET-65EL,M12x35	058	SUS-NJ-100	270
ST-75BNS,UNF1/2x25	036	STF-50ELS,φ24P	044	STF-75UH,φ34	043	SUS-ET-65ELS,M12x35	062	SUS-NJ-100S	125
ST-75BNS,W3/4x40	036	STF-50ELS,φ34	044	STF-75UHFD,φ22	046	SUS-ET-65N,M12x35	058	SUS-NJ-130	124
ST-75EL,M12x35	030	STF-50N,φ22	042	STF-75UHFD,φ24P	046	SUS-ET-65NS,M12x35	062	SUS-NJ-130S	125
ST-75EL,M16x40	030	STF-50N,φ24P	042	STF-75UHFD,φ34	046	SUS-ET-65RH,M12x35	058	SUS-NJ-150	124
ST-75EL,UNF1/2x25	030	STF-50N,φ34	042	STF-75UR,φ22	043	SUS-ET-65RHS,M12x35	062	SUS-NJ-150S	125
ST-75EL,W3/4x40	030	STF-50NS,φ22	044	STF-75UR,φ24P	043	SUS-ET-65UR,M12x35	058	SUS-NJ-200	124
ST-75ELS,M12x35	035	STF-50NS,φ24P	044	STF-75UR,φ34	043	SUS-ET-65URS,M12x35	063	SUS-NJ-200S	125
ST-75ELS,M16x40	035	STF-50NS,φ34	044	STF-75URS,φ22	045	SUS-ET-75EL,M12x35	058	SUS-NJ2-130	089
ST-75ELS,UNF1/2x25	035	STF-50RH,φ22	042	STF-75URS,φ24P	045	SUS-ET-75ELS,M12x35	062	SUS-NJ2-130S	091
ST-75ELS,W3/4x40	035	STF-50RH,φ24P	042	STF-75URS,φ34	045	SUS-ET-75N,M12x35	058	SUS-NJ2-150	089
ST-75N,M12x35	031	STF-50RH,φ34	042	SUS-E-100EL	048	SUS-ET-75NS,M12x35	062	SUS-NJ2-150S	091
ST-75N,M16x40	031	STF-50RHS,φ22	044	SUS-E-100ELS	051	SUS-ET-75RH,M12x35	058	SUS-NK-100	135
ST-75N,UNF1/2x25	031	STF-50RHS,φ24P	044	SUS-E-100N	048	SUS-ET-75RHS,M12x35	062	SUS-NK-130	135
ST-75N,W3/4x40	031	STF-50RHS,φ34	044	SUS-E-100NR	048	SUS-ET-75UR,M12x35	058	SUS-NK-150	135
ST-75NR,M12x35	032	STF-50UR,φ22	043	SUS-E-100NRS	051	SUS-ET-75URS,M12x35	063	SUS-NK-200	135
ST-75NR,M16x40	032	STF-50UR,φ24P	043	SUS-E-100NS	051	SUS-GU-100(with cover)	269/270	SUS-NK2-130	101
ST-75NR,UNF1/2x25	032	STF-50UR,φ34	043	SUS-E-100RH	048	SUS-GU-125(with cover)	270	SUS-NK2-150	101
ST-75NR,W3/4x40	032	STF-50URS,φ22	045	SUS-E-100RHS	051	SUS-GU-130φ12(with cover)	269/270	SUS-NR-100(with cover)	269/270
ST-75NRB,M12x35	032	STF-50URS,φ24P	045	SUS-E-100UR	048	SUS-GU-150φ12(with cover)	269/270	SUS-NR-130(with cover)	269
ST-75NRB,M16x40	032	STF-50URS,φ34	045	SUS-E-100URS	051	SUS-GU-200	269	SUS-NR-150(with cover)	269
ST-75NRB,UNF1/2x25	032	STF-65BN,φ22	043	SUS-E-50EL	048	SUS-GUJ-100	123	SUS-NRJ-100	123
ST-75NRB,W3/4x40	032	STF-65BN,φ24P	043	SUS-E-50ELS	051	SUS-GUJ-100S	126	SUS-NRJ-100S	125
ST-75NRB(H104),M12x35	040	STF-65BN,φ34	043	SUS-E-50N	048	SUS-GUJ-130	124	SUS-NRJ-130	123
ST-75NRB(H104),M16x40	040	STF-65BNS,φ22	045	SUS-E-50NS	051	SUS-GUJ-130S	126	SUS-NRJ-130S	125
ST-75NRBDS,M12x35	039	STF-65BNS,φ24P	045	SUS-E-50R	048	SUS-GUJ-150	124	SUS-NRJ-150	123
ST-75NRBDS,M16x40	039	STF-65BNS,φ34	045	SUS-E-50RS	051	SUS-GUJ-150S	126	SUS-NRJ-150S	125
ST-75NRBDS,UNF1/2x25	039	STF-65EL,φ22	042	SUS-E-50UR	048	SUS-GUJ-200	124	SUS-NRJ2-130	089
ST-75NRBDS,W3/4x40	039	STF-65EL,φ24P	042	SUS-E-50URS	051	SUS-GUJ-200S	126	SUS-NRJ2-130S	091
ST-75NRBSW-1,M12x35	040	STF-65EL,φ34	042	SUS-E-65EL	048	SUS-GUJ2-			

Product No.	Page	Product No.	Page	Product No.	Page	Product No.	Page	Product No.	Page
SUS-NRK-100	134	SUS-ST-50URS,M12x35	038	UW-200	256	WEJ-130S	125	WKB-100(L)	135
SUS-NRK-130	134	SUS-ST-50URS,M16x40	038	UW-75	256	WEJ-150	122	WKB-100(L)-G	135
SUS-NRK-150	134	SUS-ST-50URS,W3/4x40	038	UWE-100	256	WEJ-150S,20p	125	WKB-100(R)	137
SUS-NRK2-130	131	SUS-ST-65EL,M12x35	033	UWE-130	256	WEJ-200	122	WKB-100(R)-G	137
SUS-NRK2-150	131	SUS-ST-65EL,M16x40	033	UWE-150	256	WEJ-200S	125	WKB-130(L)	135
SUS-SG-50EL	016	SUS-ST-65EL,W3/4x40	033	UWE-200	256	WEJB-100(L)	127	WKB-130(L)-G	135
SUS-SG-50ELS	019	SUS-ST-65ELS,M12x35	038	UWEJ-100	123	WEJB-100(R)	129	WKB-130(R)	137
SUS-SG-50N	016	SUS-ST-65ELS,M16x40	038	UWEJ-100S	126	WEJB-130(L)	127	WKB-130(R)-G	137
SUS-SG-50NS	019	SUS-ST-65ELS,W3/4x40	038	UWEJ-130	123	WEJB-130(R)	129	WKB-150(L)	135
SUS-SG-50RH	016	SUS-ST-65N,M12x35	033	UWEJ-130S	126	WEJB-150(L)	127	WKB-150(L)-G	135
SUS-SG-50RHS	019	SUS-ST-65N,M16x40	033	UWEJ-150	123	WEJB-150(R)	129	WKB-150(R)	137
SUS-SG-50UR	016	SUS-ST-65N,W3/4x40	033	UWEJ-150S	126	WEJB-200(L)	127	WKB-150(R)-G	137
SUS-SG-50URS	019	SUS-ST-65NS,M12x35	038	UWEJ-200	123	WEJB-200(R)	129	WKB-200(L)	135
SUS-SG-65EL	016	SUS-ST-65NS,M16x40	038	UWEJ-200S	126	WEJK-150	130	WKB-200(L)-G	135
SUS-SG-65ELS	019	SUS-ST-65NS,W3/4x40	038	UWEJB-100(L)	128	WEJK-150S	132	WKB-200(R)	137
SUS-SG-65N	016	SUS-ST-65RH,M12x35	033	UWEJB-100(R)	129	WEK-100	134	WKB-200(R)-G	137
SUS-SG-65NS	019	SUS-ST-65RH,M16x40	033	UWEJB-130(L)	128	WEK-130	134	WO-100	256
SUS-SG-65RH	016	SUS-ST-65RH,W3/4x40	033	UWEJB-130(R)	129	WEK-150	134	WO-130	256
SUS-SG-65RHS	019	SUS-ST-65RHS,M12x35	038	UWEJB-150(L)	128	WEK-200	134	WO-150	256
SUS-SG-65UR	016	SUS-ST-65RHS,M16x40	038	UWEJB-150(R)	129	WEKB-100(L)	136	WO-200	256
SUS-SG-65URS	019	SUS-ST-65RHS,W3/4x40	038	UWEJB-200(L)	128	WEKB-100(R)	137	WOJ-100	122
SUS-SG-75EL	016	SUS-ST-65UR,M12x35	034	UWEJB-200(R)	129	WEKB-130(L)	136	WOJ-100S	125
SUS-SG-75ELS	019	SUS-ST-65UR,M16x40	034	UWEJK-150	131	WEKB-130(R)	137	WOJ-130	122
SUS-SG-75N	016	SUS-ST-65UR,W3/4x40	034	UWEJK-150S	132	WEKB-150(L)	136	WOJ-130S	125
SUS-SG-75NR	016	SUS-ST-65URS,M12x35	038	UWEK-100	134	WEKB-150(R)	137	WOJ-150	122
SUS-SG-75NRS	019	SUS-ST-65URS,M16x40	038	UWEK-130	134	WEKB-200(L)	136	WOJ-150S	125
SUS-SG-75NS	019	SUS-ST-65URS,W3/4x40	038	UWEK-150	134	WEKB-200(R)	137	WOJ-200	122
SUS-SG-75RH	016	SUS-ST-75EL,M12x35	033	UWEK-200	134	WF-200	269	WOJ-200S	125
SUS-SG-75RHS	019	SUS-ST-75EL,M16x40	033	UWEKB-100(L)	136	WF-200-G	268	WOJB-100(L)	127
SUS-SG-75UR	016	SUS-ST-75EL,W3/4x40	033	UWEKB-100(R)	138	WF(Ar)-150	273	WOJB-100(R)	128
SUS-SG-75URS	019	SUS-ST-75ELS,M12x35	038	UWEKB-130(L)	136	WF(Ar)-200	273	WOJB-130(L)	127
SUS-SJ-100GU	103	SUS-ST-75ELS,M16x40	038	UWEKB-130(R)	138	WF(Gr)-150	273	WOJB-130(R)	128
SUS-SJ-100GUS	106	SUS-ST-75ELS,W3/4x40	038	UWEKB-150(L)	136	WF(Gr)-200	273	WOJB-150(L)	127
SUS-SJ-100N	103	SUS-ST-75N,M12x35	033	UWEKB-150(R)	138	WFJF-200	124/234	WOJB-150(R)	128
SUS-SJ-100NB	103	SUS-ST-75N,M16x40	033	UWEKB-200(L)	136	WFJF-200-G	124/234	WOJB-200(L)	127
SUS-SJ-100NBS	106	SUS-ST-75N,W3/4x40	033	UWEKB-200(R)	138	WFK-200	235	WOJB-200(R)	128
SUS-SJ-100NR	103	SUS-ST-75NR,M12x35	033	UWF-150	273	WFK-200-G	235	WOJK-150	130
SUS-SJ-100NRS	106	SUS-ST-75NR,M16x40	033	UWF/INJ150	273	WJ-100	122	WOJK-150S	131
SUS-SJ-100NS	106	SUS-ST-75NR,W3/4x40	033	UWF-200	273	WJ-100-G	122	WOK-100	133
SUS-SJ-125GU	103	SUS-ST-75NRS,M12x35	037	UWF/INJ200	273	WJ-100S	125	WOK-130	133
SUS-SJ-125GUS	106	SUS-ST-75NRS,M16x40	037	UWJ-100	122	WJ-100S-G	125	WOK-150	133
SUS-SJT-100BRU,BC(M16x40)	109	SUS-ST-75NRS,W3/4x40	037	UWJ-100S	125	WJ-130	122	WOK-200	133
SUS-SJT-100BRU,BC(M20x40)	109	SUS-ST-75NS,M12x35	038	UWJ-130	122	WJ-130-G	122	WOKB-100(L)	136
SUS-SJT-100BRU,BC(M16x40)	111	SUS-ST-75NS,M16x40	038	UWJ-130S	125	WJ-130S	125	WOKB-100(R)	137
SUS-SJT-100BRU,BC(M20x40)	111	SUS-ST-75NS,W3/4x40	038	UWJ-150	122	WJ-130S-G	125	WOKB-130(L)	136
SUS-SJT-100GU,M16x40	109	SUS-ST-75RH,M12x35	033	UWJ-150S	125	WJ-150	122	WOKB-130(R)	137
SUS-SJT-100GU,M20x40	109	SUS-ST-75RH,M16x40	033	UWJ-200	122	WJ-150-G	122	WOKB-150(L)	136
SUS-SJT-100GUS,M16x40	111	SUS-ST-75RH,W3/4x40	033	UWJ-200S	125	WJ-150S	125	WOKB-150(R)	137
SUS-SJT-100GUS,M20x40	111	SUS-ST-75RHS,M12x35	038	UWJ-75	122	WJ-150S-G	125	WOKB-200(L)	136
SUS-SJT-100M16x40	109	SUS-ST-75RHS,M16x40	038	UWJ-75S	125	WJ-200	122	WOKB-200(R)	137
SUS-SJT-100M20x40	109	SUS-ST-75RHS,W3/4x40	038	UWJB-100(L)	127	WJ-200-G	122		
SUS-SJT-100NS,M16x40	111	SUS-ST-75UR,M12x35	034	UWJB-100(R)	129	WJ-200S	125		
SUS-SJT-100NS,M20x40	111	SUS-ST-75UR,M16x40	034	UWJB-130(L)	127	WJ-200S-G	125		
SUS-SJT-125BRU,BC(M16x40)	109	SUS-ST-75UR,W3/4x40	034	UWJB-130(R)	129	WJ-75	122	OTHERS	
SUS-SJT-125BRU,BC(M20x40)	109	SUS-ST-75URS,M12x35	038	UWJB-150(L)	127	WJ-75S	125	Plastic caster φ75	249
SUS-SJT-125BRU,BC(M16x40)	111	SUS-ST-75URS,M16x40	038	UWJB-150(R)	129	WJ2-130	088	Parallel caster φ18	249
SUS-SJT-125BRU,BC(M20x40)	111	SUS-ST-75URS,W3/4x40	038	UWJB-200(L)	127	WJ2-130S	090	10mm flat wrench	250
SUS-SJT-125GU,M16x40	109	UH-100MC	264	UWJB-200(R)	129	WJ2-150	088	12mm flat wrench	250
SUS-SJT-125GU,M20x40	109	UH-50GFB	264/266/267	UWJB-75(R)	129	WJ2-150S	090	13mm flat wrench	250
SUS-SJT-125GUS,M16x40	111	UH-50MC	264/266/267	UWK-150	130	WJ2K-130	095	14mm flat wrench	250
SUS-SJT-125GUS,M20x40	111	UH-50MCE	264/266/267	UWK-150S	132	WJ2K-130S	096	17mm flat wrench	250
SUS-SK-100GU	115	UH-50PB	264/266	UWK-100	133	WJ2K-150	095	19x21mm wrench	250
SUS-SK-100N	115	UH-65GFB	264/267	UWK-130	133	WJ2K-150S	096	21x23mm wrench	250
SUS-SK-100NB	115	UH-65MC	264/267	UWK-150	133	WJB-100(L)	127	30mm flat wrench	250
SUS-SK-100NR	115	UH-65MCE	264/267	UWK-200	133	WJB-100(L)-G	127	8 mm flat wrench	250
SUS-SK-125GU	115	UH-65PB	264/266	UWK-75	133	WJB-100(R)	128	YUEI spanner (19x21mm wrench)	250
SUS-SR-50EL	023	UH-75GFB	264/267	UWKB-100(L)	136	WJB-100(R)-G	128		
SUS-SR-50N	023	UH-75MC	264/267	UWKB-100(R)	137	WJB-130(L)	127		
SUS-SR-50RH	023	UH-75MCE	264/267	UWKB-130(L)	136	WJB-130(L)-G	127		
SUS-SR-50UR	023	UH-75PB	264/266	UWKB-130(R)	137	WJB-130(R)	128		
SUS-SR-65EL	023	UH-80MC	264	UWKB-150(L)	136	WJB-130(R)-G	128		
SUS-SR-65N	023	UHG-100MC	149/180	UWKB-150(R)	137	WJB-150(L)	127		
SUS-SR-65RH	023	UHG-50GFB	149/179	UWKB-200(L)	136	WJB-150(L)-G	127		
SUS-SR-65UR	023	UHG-50MC	149/180	UWKB-200(R)	137	WJB-150(R)	128		
SUS-SR-75EL	023	UHG-50MCE	149/180	W-100	256/259/264	WJB-150(R)-G	128		
SUS-SR-75N	023	UHG-50PB	149/180	W-100-G	256	WJB-200(L)	127		
SUS-SR-75NR	023	UHG-65GFB	149/179	W-100-P	258/259/264	WJB-200(L)-G	127		
SUS-SR-75RH	023	UHG-65MC	149/180	W-100-P-G	259	WJB-200(R)	128		
SUS-SR-75UR	023	UHG-65MCE	149/180	W-125	259	WJB-200(R)-G	128		
SUS-ST-50EL,M12x35	033	UHG-65PB	149/180	W-125-G	259	WJB-75(R)	128		
SUS-ST-50EL,M16x40	033	UHG-75GFB	149/179	W-125-P	259	WJK-150	130		
SUS-ST-50EL,W3/4x40	033	UHG-75MC	149/180	W-125(B55)-P	258	WJK-150-G	130		
SUS-ST-50ELS,M12x35	038	UHG-75MCE	149/180	W-130	256	WJK-150S	131		
SUS-ST-50ELS,M16x40	038	UHG-75PB	149/180	W-130-G	256	WJK-150S-G	131		
SUS-ST-50ELS,W3/4x40	038	UHG-80MC	149/180	W-130φ12	257	WK-100	133		
SUS-ST-50N,M12x35	033	UHR-50GFB	155	W-150	256	WK-100-G	133		
SUS-ST-50N,M16x40	033	UHR-50MC	155	W-150-G	256/258	WK-130	133		
SUS-ST-50N,W3/4x40	033	UHR-50MCE	155	W-150-P	258	WK-130φ12-G	133		
SUS-ST-50NS,M12x35	038	UHR-50PB	155	W-150φ12	257	WK-150	133		
SUS-ST-50NS,M16x40	038	UHR-65GFB	155	W-200	256	WK-150-G	133		
SUS-ST-50NS,W3/4x40	038	UHR-65MC	155	W-200-G	256	WK-200	133		
SUS-ST-50RH,M12x35	033	UHR-65MCE	155	W-75	256	WK-200-G	133		
SUS-ST-50RH,M16x40	033	UHR-65PB	155	WE-100	256/259	WK-75	133		
SUS-ST-50RH,W3/4x40	033	UHR-75GFB	155	WE-125	259	WK2-125-P	099		
SUS-ST-50RHS,M12x35	038	UHR-75MC	155	WE-130	256	WK2-150	099		
SUS-ST-50RHS,M16x40	038	UHR-75MCE	155	WE-150	256	WK2-150(P112x53)	099		
SUS-ST-50RHS,W3/4x40	038	UHR-75PB	155	WE-200	256	WK2-150-P	099		
SUS-ST-50UR,M12x35	034	UW-100	259/264	WEJ-100	122	WK2-150-P(P112x53)	099		
SUS-ST-50UR,M16x40	034	UW-130	256	WEJ-100S	125	WK2/D-130	100		
SUS-ST-50UR,W3/4x40	034	UW-150	256	WEJ-130	122	WK2/D-150	100		

# Inquiries and Register



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## Affiliate



### TEIMO Co., Ltd.

Box pallets, which are the main products, greatly contribute to the transportation and storage of materials and products from the factory to the factory, from the line to the line.



## Affiliate



### Plustool Manufacturing Co., Ltd.

We manufacture and sell casting tool such as spot facing tool and chamfer cutter.



## Production Base



### YUEI CASTER(SHANGHAI) CO., LTD.

Established in 2002, located in Jiading District in Shanghai. In order to respond to globalization, we will utilize the experience and technology of caster production in Japan, with good quality and better price, that is based on cooperation between Japan and China, to contribute to providing better products to the world.



## Production Base



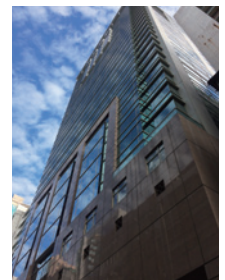
### YUEI CASTER(SUZHOU) CO., LTD.

Established in 2014, located in Wujiang City, Jiangsu Province, China. We will also be dedicated to manufacturing products for companies in China and other Asian and American companies, from now on. We will challenge the world market with the reliable technology developed in the Japanese market where demands on quality are severe.



### YUEI(HONG KONG)LIMITED

It is close to the production base so that we could use Hongkong, an international hub, as a stepping stone to target expansion of ASEAN market with the products which have internationally high competitiveness.





Establishment	October 1977
Capital	83 million yen
Representative	President and CEO KOTA OJIMA
Number of employees	330 people (Until January 2018)
Business outline	Comprehensive manufacturer of casters (Design, production and sales of caster and relevant products)
Associated Companies	· Domestic company: 2 TEIMO Co., Ltd./Plustool Manufacturing Co., Ltd. · Overseas company: 3 YUEI CASTER(SHANGHAI)CO., LTD. YUEI CASTER(SUZHOU)CO., LTD. YUEI(HONG KONG)LIMITED
Main Bank	Shoko Chukin Bank Higashiosaka Branch Sumitomo Mitsui Banking Corporation Kosaka Branch MUFG Bank, Ltd. Higashi-osaka Branch Mizuho Bank Higashiosaka Branch Nanto Bank Yoshida Branch
Main Customer	Okamura Corporation Canon Corporation Kyocera Corporation Kokuyo Co., Ltd. Samsung Electronics Screen Holdings Co., Ltd. Suzuki Motor Corporation Daihatsu Motor Co., Ltd. DMG Mori Co., Ltd. Tokyo Electron Limited. Toyota Motor Corporation Trusco Nakayama Corporation Nissan Motor Corporation Nittsushoji Co., Ltd Japan Post Co. Ltd Panasonic Corporation Hitachi, Ltd. Fuji Xerox Co., Ltd. Fujitsu Limited Honda Motor Co., Ltd. Mazda Motor Corporation MISUMI Group inc. MonotaRO Co., Ltd. Yamato Transport Co., Ltd. ROHM Semiconductor

YUEI