



 **CareFree Casters**
MEDICAL CASTER CATALOG



Always at your service...

Carefree Casters responds to customer requirements spanning from the industrial equipment, logistics, hospitals and medical equipment with innovative technology.

We challenge ourselves with new materials and structures.

Our product development is one step ahead of competition constantly innovating new products. Reliable testing to guaranty high quality.

Our products provide superior mobility with high quality.



**High
Function**

**High
Quality**

**High
Technology**



**The best casters that do not compromise
the next generation medical industry devices.**

Carefree Casters are ideal in the operating room, ICU and NICU environment. Products delivering smooth movement noise free with easy installation on various ME devices ranging from monitors, ultrasound imaging diagnostics devices, medial X-ray, CT and MRI devices.

Solution Point1

Material

New materials to maximize traveling performance.

Careprene™

Careprene™ Rubber is proprietary formula with excellent chemical resistance, heat and cold resistance, oil resistance.

The Careprene™ formula is non-staining and non-marking ideal for clean room and hospital applications.

Most natural rubber or other compounds deteriorate in contact with chemicals or oil.

Q u i e t

We utilize Careprene™ rubber to suppress unpleasant vibrations and noise. It delivers overwhelmingly quiet and stable ride.

V i b r a t i o n F r e e

Careprene™ rubber wheels provide smooth ride while absorbing shock and vibration.

N o n - S t a i n i n g a n d N o n - M a r k i n g

Careprene™ rubber has good heat resistance, durability with little degradation. It is ideal for hospital and clean room floors.

M o b i l i t y

Body and wheel design that reduce rolling resistance with optimized swiveling effort.



Solution Point2

Design

High performing and high quality with sharp design

We adopt newest materials, composites to utilize in developing new products. We deliver carefree casters to solve the healthy living conditions to the patients and staff in the medical industry.

High performance

We adopt die-cast body which is light and tough. Wheel core is PA66 including glass fiber. Roller bearings are equipped as standard on the rotating part, and it is possible to achieve both durability and operating performance.

Design

Powder coated body enhances the medical equipment appearance and fineness under the device.

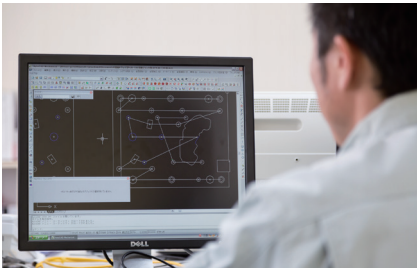


Response

Answer to requests with "New Design"

Find value to "New Features"

We solve many workplace related problems and make a sincere effort to customers' inquiries.



Custom-made

We consistently modify parts based on customers' needs. We have a flexible production capable of customizing our existing parts or making new products.



R&D and Design

We challenge ourselves with new materials and structures. We develop the optimum function and structure to meet customers' devices with specialized proprietary technologies.



Quality Check

Reliable testing to guarantee high quality. We conduct performance tests at certified ISO 9001 under strict internal quality standards and thoroughly conduct world-class quality assessment.

〈Product development process〉

CAREFREE Casters use the APQP process to develop new products. This process has 5 phases.



By designing parts from dies and molds, we have established a flexible integrated production system from regular to custom made products. Always seeking perfection, we are responding to customers' demands.



Product Lineup

Carefree Casters product line up currently is more than 35 items and growing continuously.

Please choose according to the equipment and application. We also support custom made so please feel free to inquire.

Product INDEX

MC series

Stem type 10

Screw type 12

Plate type 13

MT Series

Plate type 16

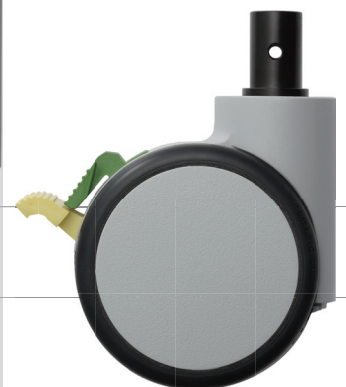
Stem type 17

Insert type 17

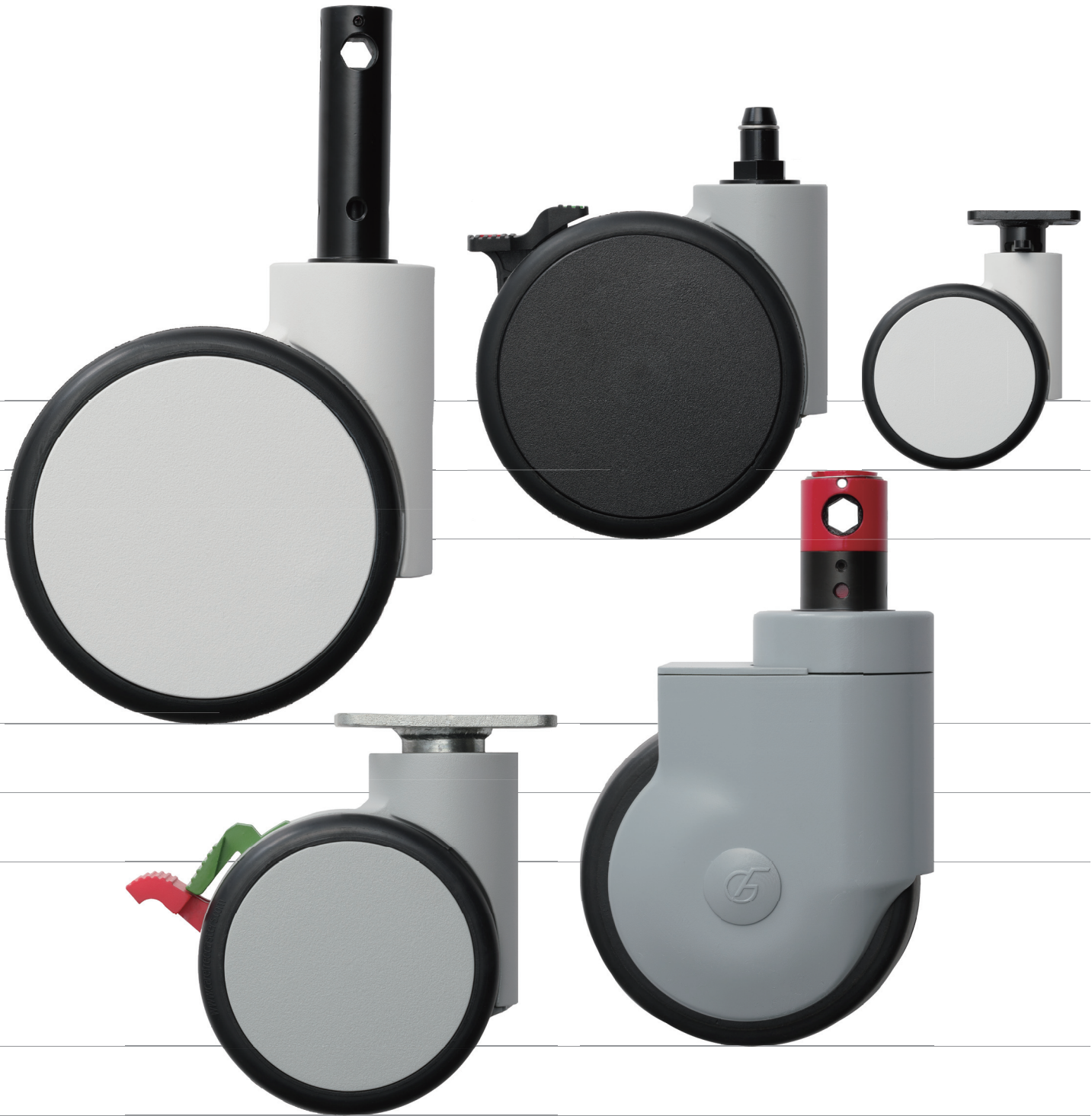
BC Series

Stem type 18

Plate type 18



 CareFree Casters



We have a variety of mounting and function options including brake, directional lock, total lock, and color.

Carefree caster deliver smooth transport and stable mounting.

POINT.1 Mounting method



Stem type

Mount directly into the cavity and secure by bolts.

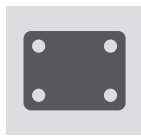


Plate type

Use bolts and or nuts to secure the top plate onto the base.



Screw in type

Threaded stem to be secured by fastening directly to the frame or use nuts to secure.

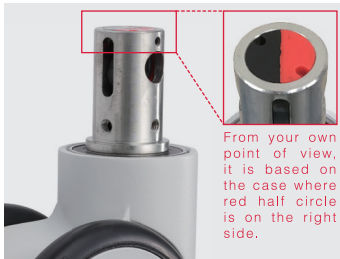


Insert type

Insert caster which install to pipe directly.

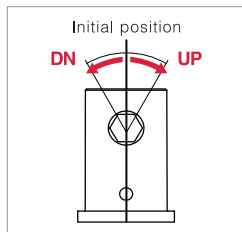
POINT.2 Fixing method

Hexagonal cam type



From your own point of view, it is based on the case where red half circle is on the right side.

<Motion image>



I	UP	Directional lock
	DN	Total lock
II	UP	Directional lock
	DN	Wheel lock

Rotate hexagonal cam to activate the caster functions.
The rotation angles are 25 degrees, 30 degrees and 45 degrees.

Fixing method

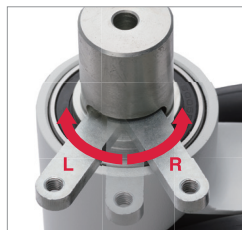
There are 3 types of locking which are Wheel lock, directional lock, wheel locking and directional lock at the same time.



Lever type



<Motion image>



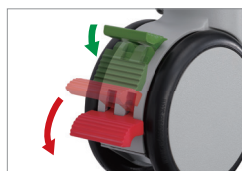
I	R	Directional lock
	L	Total lock
II	R	Directional lock
	L	Wheel lock
III	R	Wheel lock
	L	Wheel lock

The lever style caster can be actuated by rotating the lever to right and left in respect to the center to deliver locking options.

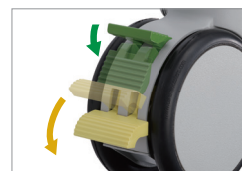
Pedal type



<Motion image>



G	Swivel
R	Total lock



G	Swivel
Y	Directional lock



G	Swivel
R	Wheel lock



G	Swivel
R	Wheel lock
Y	Directional lock

MT, pedal type casters are available in single pedal or dual pedal option. The single or dual pedals are used to activate the functions.

MC Series

Common spec

- Careprene Rubber (60A)
- ABS plastic cover
- PA66/GF wheel cover
- Radial bearing

Turning part

Roller bearing

MC series is equipped hexagonal cam lock lever which wheel brake and fix the rotation

150 UP Directional lock
DN Total lock



150 UP Directional lock
DN Wheel lock



Model number	MCFS3LT150PCR-30	MCFS3LB150PCR-30
Fixing method	Hexagonal cam type(30 °) / I-set	Hexagonal cam type(30 °) / II-set
Wheel size(mm)	Wheel : 150 / Wheel width : 80(18)	Wheel : 150 / Wheel width : 80(18)
Mouting Height(mm)	177(Total height 227)	177(Total height 227)
Offset(mm)	57	57
Turning radius(mm)	137	137
Material & Coating	Aluminium die-casting / Powder coating / New gray	Aluminium die-casting / Powder coating / New gray
Allowance load(kg)	135	135
Stem detail	<p>Surface treated steel</p>	<p>Surface treated steel</p>

150 UP Directional lock
DN Total lock



150 UP Directional lock
DN Wheel lock



Model number	MC2S3LT150PCR-30	MC2S3LB150PCR-30
Fixing method	Hexagonal cam type(30 °) / I-set	Hexagonal cam type(30 °) / II-set
Wheel size(mm)	Wheel : 150 / Wheel width : 80(18)	Wheel : 150 / Wheel width : 80(18)
Mouting Height(mm)	177(Total height 227)	177(Total height 227)
Offset(mm)	57	57
Turning radius(mm)	137	137
Material & Coating	Aluminium die-casting / Powder coating / White	Aluminium die-casting / Powder coating / Gray
Allowance load(kg)	135	135
Stem detail	<p>Surface treated steel</p>	<p>Surface treated steel</p>

150 UP Directional lock
DN Total lock



150 UP Directional lock
DN Wheel lock



Model number	MC2S2LT150PCR-45	MC2S2LB150PCR-45
Fixing method	Hexagonal cam type(45 °) / I-set	Hexagonal cam type(45 °) / II-set
Wheel size(mm)	Wheel : 150 / Wheel width : 80(18)	Wheel : 150 / Wheel width : 80(18)
Mouting Height(mm)	177(Total height 274)	177(Total height 274)
Offset(mm)	57	57
Turning radius(mm)	137	137
Material & Coating	Aluminium die-casting / Powder coating / White	Aluminium die-casting / Powder coating / Gray
Allowance load(kg)	135	135
Stem detail	<p>Steel : Black finish</p>	<p>Steel : Black finish</p>

125 UP Directional lock
DN Total lock



125 UP Directional lock
DN Total lock



Model number	MC2S2LT125PCR-45	MC2S3LT125PCR-30
Fixing method	Hexagonal cam type(45 °) / I-set	Hexagonal cam type(30 °) / I-set
Wheel size(mm)	Wheel : 125 / Wheel width : 80(18)	Wheel : 125 / Wheel width : 80(18)
Mouting Height(mm)	154(Total height 251)	154(Total height 204)
Offset(mm)	41	41
Turning radius(mm)	109	109
Material & Coating	Aluminium die-casting / Powder coating / Gray	Aluminium die-casting / Powder coating / Gray
Allowance load(kg)	135	135
Stem detail	<p>Steel : Black finish</p>	<p>Steel : Black finish</p>

150 Swivel Casters



125 Swivel Casters



Model number	MC2S1SW150PCR	MC2S1SW125PCR
Fixing method	Swivel Casters	Swivel Casters
Wheel size(mm)	Wheel : 150 / Wheel width : 80(18)	Wheel : 125 / Wheel width : 80(18)
Mouting Height(mm)	177(Total height 217)	154(Total height 194)
Offset(mm)	57	41
Turning radius(mm)	137	109
Material & Coating	Aluminium die-casting / Powder coating / Gray	Aluminium die-casting / Powder coating / Gray
Allowance load(kg)	135	135
Stem detail		

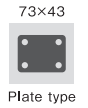
150 **R** Directional lock
L Wheel lock



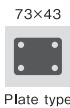
150 **R** Directional lock
L Wheel lock



Model number	MCFSKLB150PCR	MCSGSLB150PCR
Fixing method	Lever type / II-set	Lever type / II-set
Wheel size(mm)	Wheel : 150 / Wheel width : 80(18)	Wheel : 150 / Wheel width : 80(18)
Mouting Height(mm)	177(Total height 215)	195(Total height 245)
Offset(mm)	57	57
Turning radius(mm)	137	137
Material & Coating	Aluminium die-casting / Powder coating / New gray	Aluminium die-casting / Powder coating / White
Allowance load(kg)	135	135
Stem detail		



Model number	MC3TILT150PCR	MC3TILSB150PR-2
Fixing method	Lever type / I-set	Lever type / II-set
Wheel size(mm)	Wheel : 150 / Wheel width : 80(18)	Wheel : 150 / Wheel width : 80(18)
Mouting Height(mm)	207	207
Offset(mm)	57	57
Turning radius(mm)	137	137
Material & Coating	Aluminium die-casting / Powder coating / White	Aluminium die-casting / Powder coating / Gray
Allowance load(kg)	135	135
Plate detail	<p>Steel : Black finish</p>	<p>Steel : Black finish</p>



Model number	MC3TIBSB150PR-2	MC2TILT125PCR
Fixing method	Lever type / III-set	Lever type / I-set
Wheel size(mm)	Wheel : 150 / Wheel width : 80(18)	Wheel : 125 / Wheel width : 80(18)
Mouting Height(mm)	207	180
Offset(mm)	57	41
Turning radius(mm)	137	109
Material & Coating	Aluminium die-casting / Powder coating / Gray	Aluminium die-casting / Powder coating / Gray
Allowance load(kg)	135	135
Plate detail	<p>Steel : Black finish</p>	<p>Steel : Black finish</p>



Model number	MC8T1LB150PCR-2	MC8T1BB150PCR-2
Fixing method	Lever type / II-set	Lever type / III-set
Wheel size(mm)	Wheel : 150 / Wheel width : 80(18)	Wheel : 150 / Wheel width : 80(18)
Mouting Height(mm)	202	202
Offset(mm)	57	57
Turning radius(mm)	137	137
Material & Coating	Aluminium die-casting / Powder coating / Gray	Aluminium die-casting / Powder coating / Gray
Allowance load(kg)	135	135
Plate detail	<p>Steel : Silver finish</p>	<p>Steel : Silver finish</p>



Model number	MC3T1SW150PR-2	MC2T1SW125PCR
Fixing method	Swivel Casters	Swivel Casters
Wheel size(mm)	Wheel : 150 / Wheel width : 80(18)	Wheel : 125 / Wheel width : 80(18)
Mouting Height(mm)	207	180
Offset(mm)	57	41
Turning radius(mm)	137	109
Material & Coating	Aluminium die-casting / Powder coating / Gray	Aluminium die-casting / Powder coating / Gray
Allowance load(kg)	135	135
Plate detail	<p>Steel : Black finish</p>	<p>Steel : Black finish</p>

150 Swivel Casters



73x43



Plate type

Model number	MC8T1SW150PCR-2
Fixing method	Swivel Casters
Wheel size (mm)	Wheel : 150 / Wheel width : 80(18)
Mouting Height (mm)	202
Offset (mm)	57
Turning radius (mm)	137
Material & Coating	Aluminium die-casting / Powder coating / Gray
Allowance load (kg)	135
Plate detail	<p>Steel : Silver finish</p>

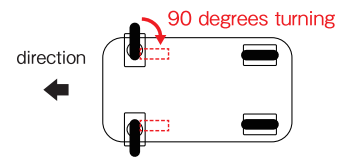
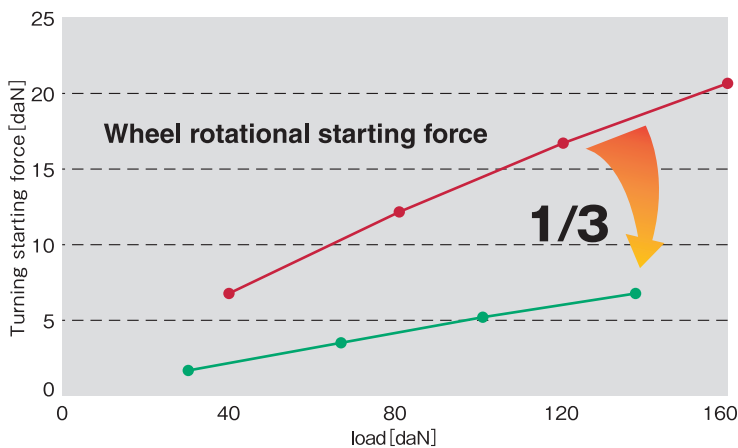
Reduce about 70% wheel rotational starting force

COLUMN

Excellent operability with light starting force “ Careprene™ Rubber Wheel ”

Excellent mobility Ergonomically designed

Carefree Casters’s Careprene™ starting, rolling and swiveling outperforms general purpose rubber and similar materials by 1/3. Carefree products are ergonomically designed to reduce work burden and stress. The initial operation feels light and smooth during turning test.



Turning starting force test

Load	[daN] ([kgf])	33.8 (34.4)	67.5 (68.9)	101.3 (103.3)	135.0 (137.7)
Careprene					
Turning starting force	[daN] ([kgf])	1.75 (1.79)	3.69 (3.76)	5.29 (5.40)	5.99 (6.11)
Turning resistance coefficient		0.052	0.055	0.052	0.044
General purpose rubber					
Load	[daN] ([kgf])	40.0 (40.8)	80.0 (81.6)	120.0 (122.4)	160.0 (163.2)
Turning starting force	[daN] ([kgf])	7.05 (7.19)	12.92 (13.18)	17.29 (17.64)	20.76 (21.18)
Turning resistance coefficient		0.176	0.162	0.144	0.130

MT Series

Common spec

- Careprene Rubber (60A)
- ABS plastic cover
- PA66/GF wheel cover
- Radial bearing

Turning part

Roller bearing

MT series that operate pedals to lock wheel and turning part

150

- G Swivel
- R Total lock



73x43



Plate type

125

- G Swivel
- R Total lock



73x43



Plate type

Model number	MT2TLST150PCR	MT2TLST125PCR
Fixing method	Pedal type / Total lock	Pedal type / Total lock
Wheel size(mm)	Wheel : 150 / Wheel width : 80(18)	Wheel : 125 / Wheel width : 80(18)
Mouting Height(mm)	176	166
Offset(mm)	57	41
Turning radius(mm)	137	109
Material & Coating	Aluminium die-casting / Powder coating / Gray	Aluminium die-casting / Powder coating / Gray
Allowance load(kg)	135	135
Plate detail	<p>Steel : Silver finish</p>	<p>Steel : Silver finish</p>

125

- G Swivel
- R Wheel lock
- Y Directional lock



73x43



Plate type

Model number	MT2T1PB125PCR
Fixing method	Pedal type / Directional-, wheel lock
Wheel size(mm)	Wheel : 125 / Wheel width : 80(18)
Mouting Height(mm)	166
Offset(mm)	41
Turning radius(mm)	117
Material & Coating	Aluminium die-casting / Powder coating / Gray
Allowance load(kg)	135
Plate detail	<p>Steel : Black finish</p>

150 G Swivel
Y Directional lock



125 G Swivel
Y Directional lock



Model number	MT2S1ST150PCR	MT2S1ST125PCR
Fixing method	Pedal type / Directional lock	Pedal type / Directional lock
Wheel size(mm)	Wheel : 150 / Wheel width : 80(18)	Wheel : 125 / Wheel width : 80(18)
Mouting Height(mm)	205(Total height 245)	190(Total height 230)
Offset(mm)	57	41
Turning radius(mm)	137	109
Material & Coating	Alminium die-casting / Powder coating / White	Alminium die-casting / Powder coating / Gray
Allowance load(kg)	135	135
Stem detail		

150 G Swivel
R Wheel lock



Model number	MT2ZNSB150PCR
Fixing method	Pedal type / Wheel lock
Wheel size(mm)	Wheel : 150 / Wheel width : 80(18)
Mouting Height(mm)	164(Total height 198)
Offset(mm)	57
Turning radius(mm)	137
Material & Coating	Alminium die-casting / Powder coating / Gray
Allowance load(kg)	135
Stem detail	<p>24 HEX DISTANCE BETWEEN FLATS</p>

BC Series

Common spec

- Careprene Rubber(60A)
- ABS plastic cover
- PA66/GF wheel cover
- Radial bearing

Turning part

Roller bearing

BC series is single wheel type that is able to fix rotation lock and total lock

150
UP Directional lock
DN Total lock



125
UP Directional lock
DN Total lock



品番	BC4S2LT150PCR-45	BC3S3LT125PCR-30
Fixing method	Hexagonal cam type(45°) / I-set	Hexagonal cam type(30°) / I-set
Wheel size(mm)	Wheel : 150 / Wheel width : 73(35)	Wheel : 125 / Wheel width : 73(35)
Mouting Height(mm)	190(Total height 287)	160(Total height 210)
Offset(mm)	35	35
Turning radius(mm)	115	98
Material & Coating	Aluminium die-casting / Powder coating / Gray	Aluminium die-casting / Powder coating / Gray
Allowance load(kg)	135	135
Stem detail	<p>Steel : Black finish</p>	<p>Steel : Black finish</p>

150 Swivel Casters



Model number	BC3TLSW150PCR
Fixing method	Swivel Casters
Wheel size(mm)	Wheel : 150 / Wheel width : 73(35)
Mouting Height(mm)	190
Offset(mm)	40
Turning radius(mm)	115
Material & Coating	Aluminium die-casting / Powder coating / Gray
Allowance load(kg)	135
Plate detail	<p>Steel : Black finish</p>



Carefree Casters, a Canadian Corporation,
is a manufacturer of casters and provider
of mobility solutions for the high end medical equipment.
Our innovative high performing products are adopted
by major medical manufacturers globally.
Carefree products, services and flexibility in design
and manufacturing sets it apart from the competition.



Head Office : Zip code:578-0965
1-8-39 Honjo-Nishi, Higashi-Osaka city, Osaka
Tel. 06-6747-5607 Fax. 06-6747-5608

Tokyo Branch : Zip code:101-0021
5th. Floor, Prostech Akihabara,
6-13-10, Sotokanda, Chiyoda-ku, Tokyo
Tel. 03-5816-1155 Fax. 03-5816-1156

Chubu Branch : Zip code:486-0824
58 Warizuka-cho, Kasugai city, Aichi
Tel. 0568-86-3066 Fax. 0568-86-3067

Osaka Branch : Zip code:578-0965
1-8-39 Honjo-Nishi, Higashi-Osaka city, Osaka
YUEI CASTER HEAD OFFICE 6F
Tel. 06-6747-5618 Fax. 06-6747-5609

Hiroshima
Sales Office : Zip code:733-0002
No.102, Shinko Buliding,
2-5-18, Kusunoki-cho, Nishi-ku, Hiroshima city, Hiroshima
Tel. 082-509-2105 Fax. 082-237-2455

Fukuoka
Sales Office : Zip code:812-0023
3F, NS Naraya building,
11-6, Naraya-machi, Hakata-ku, Fukuoka city Fukuoka
Tel. 092-261-5607 Fax. 092-261-5608



Canada Office
Address : 1-2804 Slough Street, Mississauga, ON L4T 1G3 Canada
Phone : (905)712-2730 / Toll Free : 1-877-712-2730
Fax : (905)712-2787

China Office
Address : Suite 315, RuiYun 5, 99 Furong Zhongsan Rode Wuxi, Jiangsu, China
Phone/Fax : +86-510-8101-2730

e-mail : carefree@cfcasters.com
Internet : www.carefreecasters.com