YUEI®

CASTER CATALOG

Vol.18

www.yueicaster.co.jp/en/

Always at your foot "YUEI"

YUEI 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.]

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

Top brand of industrial caster

YUEI

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

Suitable material for load capacity, application and environment

YUEI CASTER

just fit on workplace

Light Duty

LIGHTSTAR

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

Heavy Duty

HEAVYSTAR

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

Medium Duty

MIDDLESTAR

Smooth startability with established reputation, high quality model.

Low-Profile Heavy Duty

SHORTSTAR

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

Leveling

LOCKSTAR

Pursue braking stability.
Support safe carrying
by grip.

Caster wheel with shock absorber

SMOOSTAR

High quality model
with shock absorbing
function.

Stainless Steel

STAINLESTAR

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

Silence

SILENTSTAR

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

Towing

LEADSTAR

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

Office Equipment

OFFICESTAR

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

Product Lineup

We manufacture more than **8,000** types of caster wheel.

LIGHTSTAR Light Duty

MIDDLESTAR Medium Duty

HEAVYSTAR Heavy Duty

SHORTSTAR Low-Profile Heavy Duty

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

LOCKSTAR Leveling

STAINLESTAR Stainless Steel

LEADSTAR Towing

SMOOSTAR Shock Absorbing

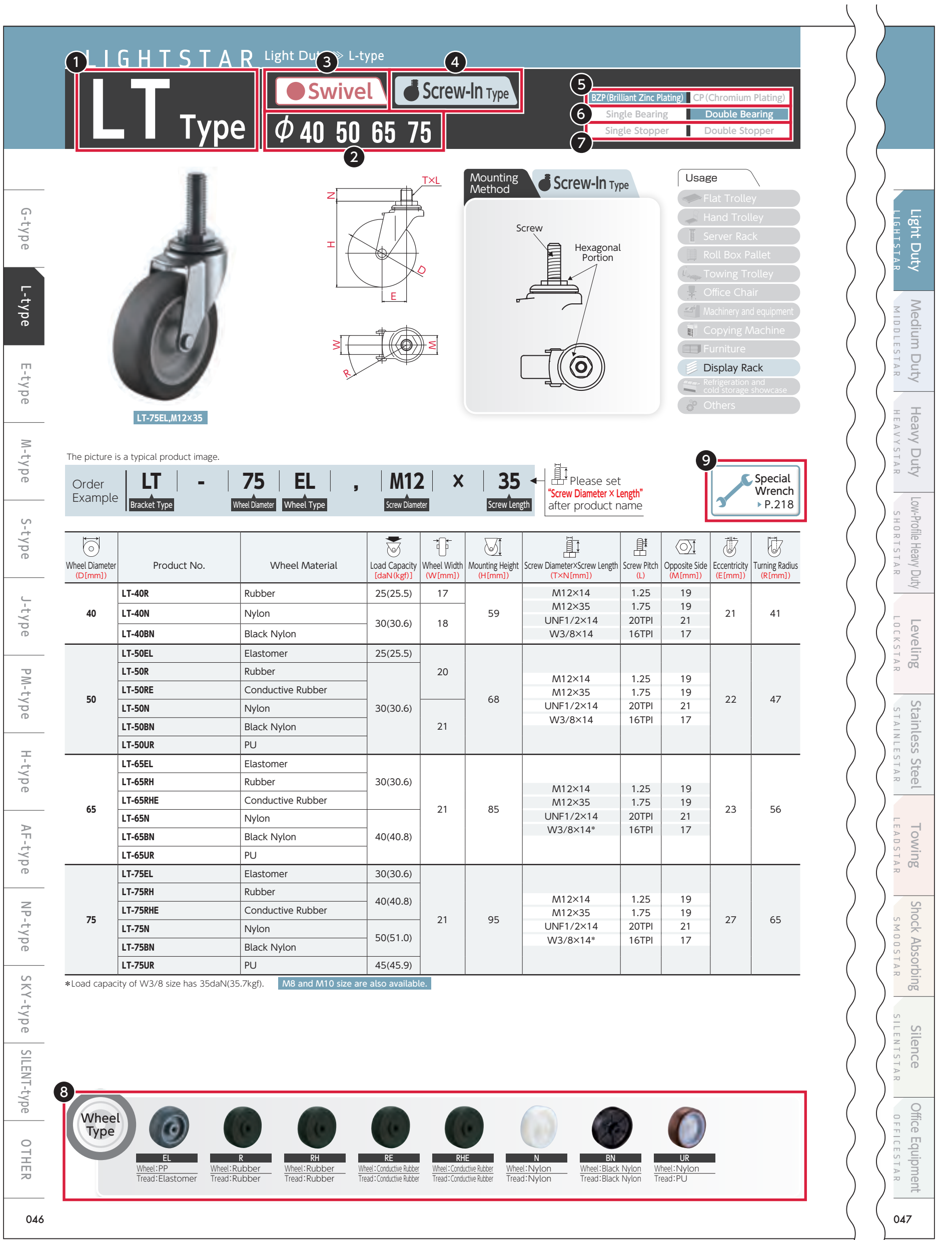
SILENTSTAR Silence

OFFICESTAR Office Equipment

OTHERS

WHEEL

How to read the catalog



The picture is a typical product image.

Order Example: LT (Bracket Type) - 75 (Wheel Diameter) EL (Wheel Type) , M12 (Screw Diameter) × 35 (Screw Length) ← Please set "Screw Diameter × Length" after product name

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
40	LT-40R	Rubber	25(25.5)	17	59	M12×14 M12×35 UNF1/2×14 W3/8×14	1.25 1.75 20TPI 16TPI	19 19 21 17	21	41
	LT-40N	Nylon	30(30.6)	18						
	LT-40BN	Black Nylon								
50	LT-50EL	Elastomer	25(25.5)	20	68	M12×14 M12×35 UNF1/2×14 W3/8×14	1.25 1.75 20TPI 16TPI	19 19 21 17	22	47
	LT-50R	Rubber	30(30.6)							
	LT-50RE	Conductive Rubber								
	LT-50N	Nylon		21						
	LT-50BN	Black Nylon								
	LT-50UR	PU								
65	LT-65EL	Elastomer	30(30.6)	21	85	M12×14 M12×35 UNF1/2×14 W3/8×14*	1.25 1.75 20TPI 16TPI	19 19 21 17	23	56
	LT-65RH	Rubber								
	LT-65RHE	Conductive Rubber								
	LT-65N	Nylon	40(40.8)							
	LT-65BN	Black Nylon								
	LT-65UR	PU								
75	LT-75EL	Elastomer	30(30.6)	21	95	M12×14 M12×35 UNF1/2×14 W3/8×14*	1.25 1.75 20TPI 16TPI	19 19 21 17	27	65
	LT-75RH	Rubber	40(40.8)							
	LT-75RHE	Conductive Rubber								
	LT-75N	Nylon	50(51.0)							
	LT-75BN	Black Nylon								
	LT-75UR	PU	45(45.9)							

*Load capacity of W3/8 size has 35daN(35.7kgf). M8 and M10 size are also available.

❶Product Name
It's shown the models classified by bracket type.

❷Wheel Size
It's shown the wheel diameter.

❸Standard Structure
[Swivel] This is the caster in which both the turning parts and the wheel rotate.
[Fixed] This is the caster in which only the wheel rotates.

❹Mounting Method
[Plate Type]
This type indicates a caster in which the mounting base is platy, and a caster can be mounted using screws and bolts.

[Screw-In Type]
This type indicates a caster that have a threaded stem and a caster can be directly screwed on.

[Insertion Type (Rubber Pipe Type)]
This type indicates a caster in which a rubber pipe is mounted to a stem and a caster can be directly mounted to the pipe.

❺Finish and material
[BZP (Brilliant Zinc Plating)]
It's shown polished pale blue color finishing with corresponding to environment.

[CP (Chromium Plating)]
It's shown high-polished plating by surface treatment which is hard and anti-corrosion.

[Stainless]
It's shown using stainless steel SUS304 which is good anti-corrosion.

❻Turning Parts Structure
[Single Bearing]
It's shown smooth turn structure which steel ball is set on turning parts.

[Double Bearing]
It's shown smoother turn structure by 2 stage bearings system. (By steel ball)

[Radial Bearing]
It's shown introduced radial bearing on turning parts.

❼Stopper functions
[Single Stopper]
It's shown type with stopper which locks only the wheel.

[Double Stopper]
It's shown type with stopper which locks both the wheel and the turning parts.

[Spirally Fixing Type]
It's shown type with stopper which locks only the turning parts.

❽The wheel which is used for product.

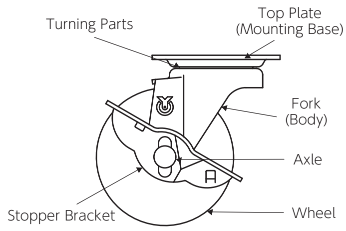
❾Introduction of specialized tool.

Structure and name of parts

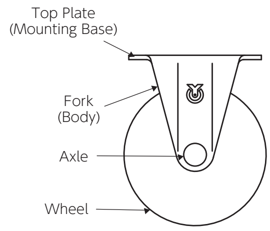
Structure of caster and names of parts

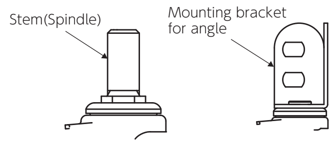
Caster is used for carrying or moving by attaching to object.

Swivel Caster Caster in which both the turning parts and the wheel rotate.



Fixed Caster Caster in which only the wheel rotates, and the turning parts does not rotate.





Types of Stoppers

Single Stopper

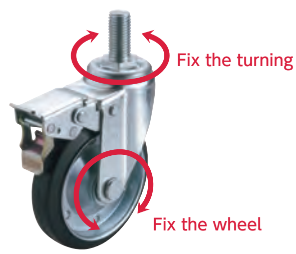
It's shown type with stopper which locks only the wheel.

Spirally Fixing Type

It's shown type with stopper which locks only the turning parts.

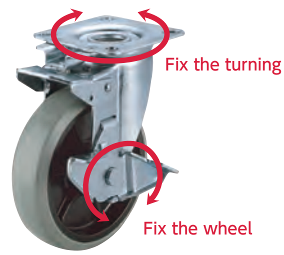
Double Stopper

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 turning parts separately.



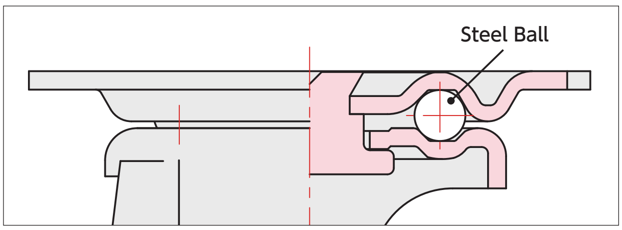
Structure of the turning parts

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 Caster)

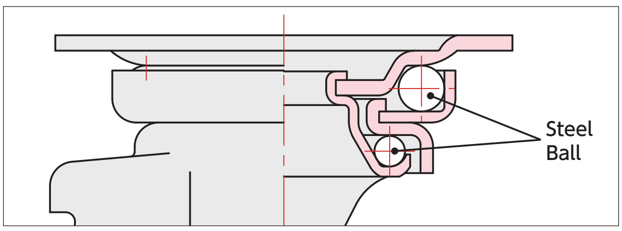


Double Bearing Structure

∗It's shown smoother turn structure by 2 stage bearings system. (By steel ball)

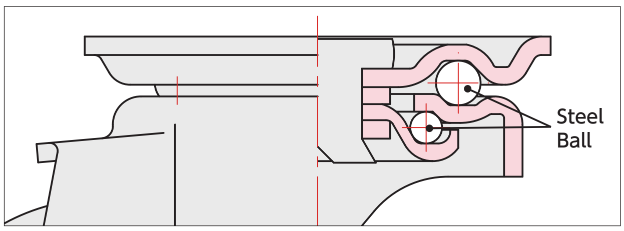
Kingpinless Type

J Type, PM Type, RJ2 Type, J2 Type (Swivel Caster)



Kingpin Type

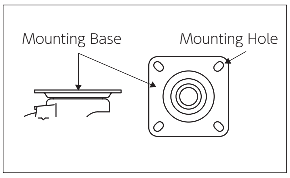
SJ Type, S Type, E Type, L Type, SA Type, H Type (Without LHG Type), RJ2K Type, CAL-H Type, SUS-J Type, SUS-J2 Type, SUS-SJ Type, SUS-S Type, SUS-E Type, SUS-H Type (Swivel Caster)

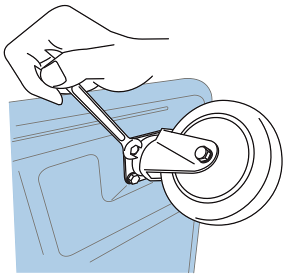


Types of mounting methods

Plate Type

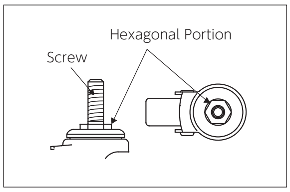
Plate type caster which is necessary using bolts and nuts when you install.
∗Please setting with all mounting holes.

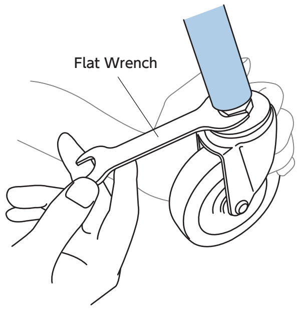




Screw-In Type

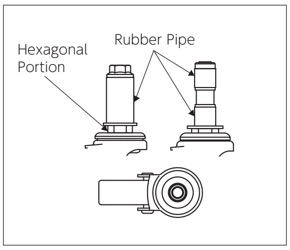
Screw-in type caster which is install screw mount directly by screwing. After screw by your hand and tightly setting the hexagonal portion with flat wrench (refer the following picture).
∗If it is not setting firmly, there is a possibility it will decreased load capacity.

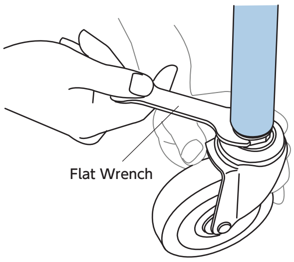




Insertion Type

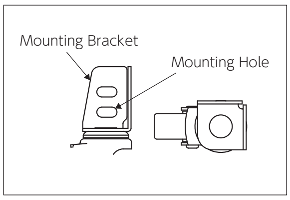
Insertion type caster which is install directly in pipe. After screw with flat wrench, to swell the rubber pipe and tightly setting (refer the following picture).
∗If it is not setting firmly, there is a possibility it will decreased load capacity.

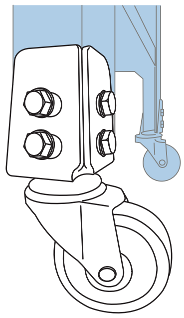




Angle Type

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.





Precautions for mounting a caster

Do NOT use casters as follows.

Matters that lead to breakage of casters

Load shall be applied according to load capacity.

If load exceeding load capacity is applied, the caster may be damaged, and its performance may be degraded.

Do not drop or apply shock to the caster.

The life of the caster may be shortened or damaged.

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.

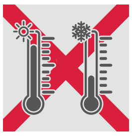
The bracket may be deformed, and performance of the caster may be degraded.

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.



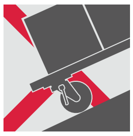
Do not use the caster under special environment susceptible to high temperature, low temperature and high humidity, etc.

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. (Excluding towing casters.)



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.

It is very dangerous as it may cause you to lose the balance or fall.

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

①Load Capacity

The load capacity described in the catalog indicates a value that is easy to move when carrying a flat floor by human power. Please choose suitable load capacity 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.)

◆Case of caster usage 4pcs
Load Capacity = 1pc Load Capacity × 4pcs × 0.8

◎Expression of power is daN.1daN=10N≒1.02kgf (1kgf≒9.8N=0.98daN)

②Using 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 more	4km/h or lower

*Please use LEADSTAR (Caster for towing) below 10km/h speed.

③Using 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, fork 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 temporally.

④Stopper

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 load capacity.
●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.

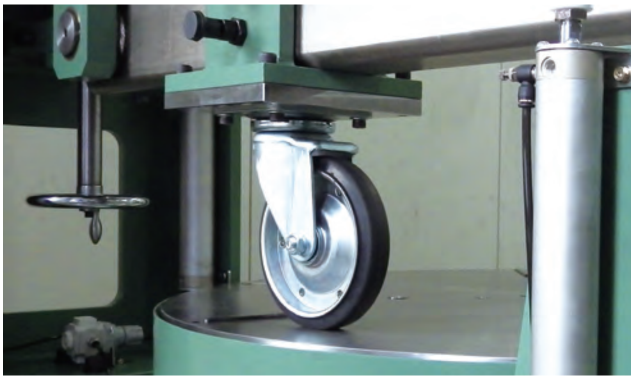
Inspection, maintenance and replacement

①Perform inspection and maintenance regularly in order to prevent accident and use a caster for a lengthy period. Please use gloves when you do maintenance(included regularly check and cleaning). You may get injured if you do it by bare hands.
②Please check the following items regularly.
・Is there any abnormality in the tightening part of the caster?
・Is there any breakage, crack and deformation of the caster?
・Is there any looseness of axle?
③If products have defects, such as deterioration and breakage, replace defective products immediately. (Do not only replace part of products.)
④If the turning parts or wheel portion catches foreign substance, remove the substance immediately. Otherwise, poor rotating movement may occur.

Please feel free to ask anything to us or near distributor.

Introduction our product testing

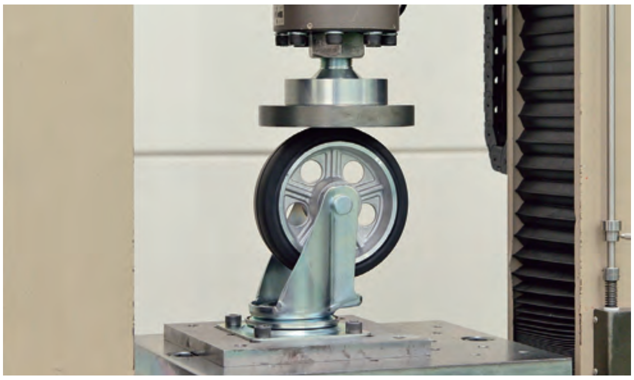
The lever rolling test machine



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

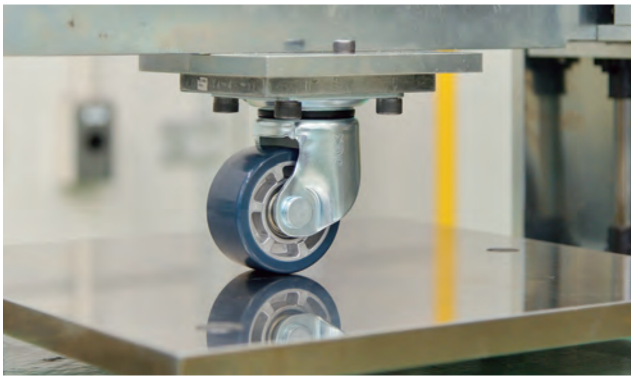
When add the load to measure distortion, make the estimated data of load capacity. There are two kinds of test which breaking test (To load destruction) and static load test (To load the constant load for a certain period of time).

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

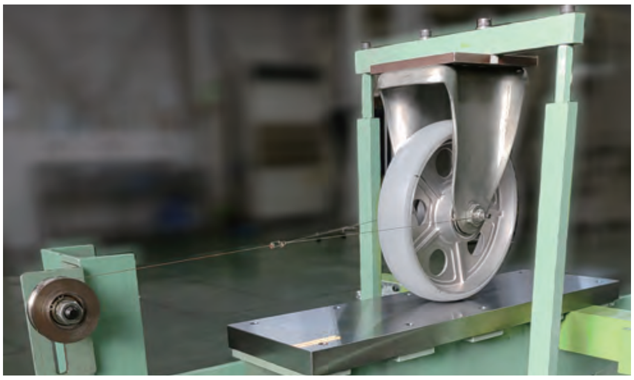
This is the test that to appreciate the turning of swivel casters. The wheel put at right angles to the line and test for startability to the line under load loading.

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

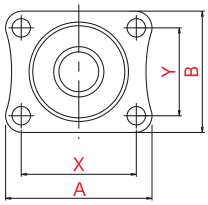


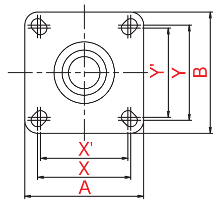
Manufactures by YUEI

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 startability when the wheels turned 180-degree.

Choose from mounting dimensions

Plate Type (Swivel)



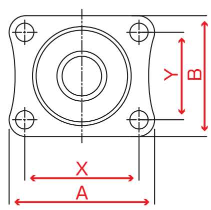


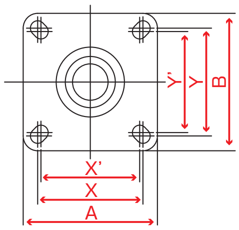
Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Product Name	Page
38×38	25.4×25.4	PT Type	214
35×30	28×23	G Type	026
38×32	30×24		
46×38	36×28		
		G-S Type	028
54×37	45×26	LHG Type	112
59×47	46×35	G Type	027
		G-S Type	028
		LG Type	032
		LG-S Type	033
60×42	47×29(46.5×27.5)	LHG Type	112
64×64	50×50	HG Type	115
		HG-S Type	116
		SUS-HG Type	155
		SUS-HG-S Type	156
70×70	52×52	HG-W Type	114
70×54	54×36	HG Type	115
		HG-S Type	116
70×58	55×42	G Type	027
		G-S Type	028
		SG Type	038
		SG-S Type	040
		SUS-SG Type	143
		SUS-SG-S Type	144
		SFHG Type	193
		SFHG-S Type	194
70×70	55×55(53×53)	HGL Type	113
70×42	56×28	E Type	035
		E-S Type	036
		SUS-E Type	140
		SUS-E-S Type	141
		EF Type	190
		EF-S Type	191
82×82	63×63	J Type	084
		J-S Type	086
		JB(R) Type	088
		HSG Type	118
		HSG-S Type	119
		SUS-HSG Type	158
78×78	64×64	E-AF Type	130
		SPLG Type	131
84×84		UHG Type	121
		CAL-UHG Type	124

Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Product Name	Page
90×90	71×71	HG Type	115
		HG-S Type	116
		CAL-HG Type	123
		HG-AF Type	135
		SUS-HG Type	155
		SUS-HG-S Type	156
	71×71(68×68)	RJ2 Type	066
		RJ2-S Type	067
		SJ Type	071
		SJ-S Type	072
		SUS-SJ Type	146
		SUS-SJ-S Type	147
		SJF Type	196
		SJF-S Type	197
95×95	74×74(67×67)	J Type	084
		J-S Type	086
		JB(R) Type	088
		JB(L) Type	090
		PMS Type	100
		SUS-J Type	152
		SUS-J-S Type	153
		PLJ Type	204
92×92	75×75	SGW-AF Type	132
		SPLG Type	131
95×70	76×44	MG Type	064
100×100	78×78	UHG Type	121
		CAL-UHG Type	124
100×85	80×60	UHG Type	121
102×102	80×80(75×75)	RJ2 Type	066
		RJ2-S Type	067
		RJ2K Type	069
		KRJ2K Type	070
		SJ Type	071
		SJ-S Type	072
		J2 Type	075
		J2-S Type	076
		J2K Type	078
		J2K-S Type	079
		AF Type	134
		SUS-SJ Type	146
		SUS-SJ-S Type	147
		SUS-J2 Type	149
		SUS-J2-S Type	150
		SHSKY Type	174
		SHSKY-S Type	175
		J2F Type	199
		J2F-S Type	200

Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y') [mm])	Product Name	Page
100×58	82×40	E Type	035
		E-S Type	036
		SG Type	039
		SG-S Type	041
		SUS-E Type	140
		SUS-E-S Type	141
		SKY-S Type	176
		SKY-S-S Type	177
		NPG Type	182
		NPG-S Type	183
		SFHG Type	193
		SFHG-S Type	194
105×105	82×82(75×75)	J Type	084
		J-S Type	086
		JB(R) Type	088
		JB(L) Type	090
		SUS-J Type	152
		SUS-J-S Type	153
		PLJ Type	204
105×80	87×60	MG Type	064
120×120	90×90(75×75)	SUS-J Type	152
		SUS-J-S Type	153
110×110	90×90(80×80)	PMS Type	100
		PMS-LB(R) Type	101
		PMS-LB(L) Type	102

Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y') [mm])	Product Name	Page
120×120	94×94(87×87)	J Type	085
		J-S Type	087
		JB(R) Type	089
		JB(L) Type	091
		JK Type	098
		JK-S Type	099
		PMS Type	100
		PMS-LB(R) Type	101
		PMS-LB(L) Type	102
		PMS Type (E46)	106
		PMS-LB(R) Type (E46)	107
		PMS-LB(L) Type (E46)	
		PMS-S Type (E46)	108
		SKY-2S Type	168
140×140	115×115(105×105)	J Type	085
		J-S Type	087
		JB(R) Type	089
		JB(L) Type	091
		AF Type	134
		SUS-J Type	152
		SUS-J-S Type	153
		JF Type	202
144×144	120×120(105×105)	PMS Type	100
		PMS-LB(R) Type	101
		PMS-LB(L) Type	102
		SKY-2S Type	169
150×110	121×59	UHG Type	121
160×160	125×125	J Type	085
159×114	133×86(125×62)	SKY-2S Type	168





Mounting Base(A×B)

- The dimension of mounting base.

Mounting Dimensions(X×Y)

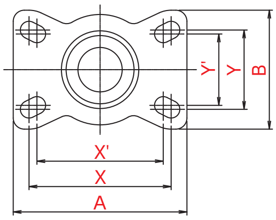
- The dimension of caster mounting.

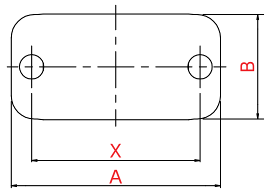
Mounting Dimensions(X×Y(X'×Y'))

- The dimension of caster mounting(long hole).

Choose from mounting dimensions

Plate Type (Fixed)





Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Product Name	Page
31×20	12×0	GRE Type	031
35×25			
40×30	14×0		
36×18	29×0	GR Type	029
36×20			
46×25	36×15		
58×40	45×25		
		LR Type	034
70×47	55×28	GR Type	030
		SUS-SR Type	145
		SR Type	042
70×60	55×42		195
70×42	56×28	SUS-ER Type	142
		ER Type	037/192
95×72	63×40	K Type	092
82×90	63×63	HSR Type	120
90×85	64×64	UHR Type	122
80×50	66×36	HR Type	117
		SUS-HR Type	157
90×90	71×71(68×68)	SK/D Type	074
108×100	78×78	UHR Type	122
110×80	80×45	PLK Type	205
115×80		KB(R) Type	094
		KB(L) Type	096
		PMR Type	103
		SUS-K Type	154
		K Type	092
102×102	80×80(75×75)	K2/D Type	077
		SUS-K2 Type	151
		K2 Type	201
104×110		SK Type	073
		K2 Type	068/201
100×58	82×40	SUS-ER Type	142
		SKY-R Type	178
		SKY-R-S Type	179
		NPR Type	184
		NPR-S Type	185
		ER Type	037
		SR Type	043/195
113×59	89×28	MR Type	065
110×80	90×50(80×45)	SUS-SK Type	148
		SK Type	073/198
111×67	91×47	HR Type	117
111×70		SUS-HR Type	157
112×64	96×48	SR-AF Type	133
127×65	100×30	MR Type	065
130×90	100×56	PLK Type	205

Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Product Name	Page
137×93	100×56	KB(R) Type	094
		KB(L) Type	096
		PMR Type	103
		PMR-LB(R) Type	104
		PMR-LB(L) Type	105
		SUS-K Type	154
		K Type	092
123×72	103×52	HR Type	117
		SUS-HR Type	157
137×93	112×50(100×56)	PMR Type	103
		PMR-LB(R) Type	104
		PMR-LB(L) Type	105
		SKY-2R Type	170
135×100	112×53(100×56)	SUS-SK Type	148
137×93		K2 Type	068
151×102	112×63	KB(R) Type	095
		KB(L) Type	097
		PMR Type	103
		PMR-LB(R) Type	104
		PMR-LB(L) Type	105
		SUS-K Type	154
		K Type	093/203
180×110	112×63(140×50)	SKY-2R Type	171
159×114	133×86(125×62)	SKY-2R Type	170
200×140	140×80	K Type	093

Choose from mounting dimensions

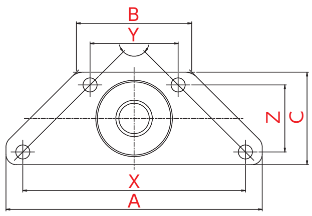
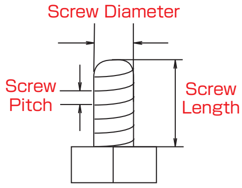


Plate Type (Corner)

Mounting Base (A×B×C[mm])	Mounting Dimensions (X×Y×Z)[mm])	Product Name	Page
160×72×58	139×55×42	SGC Type	044
		SGC-S Type	045

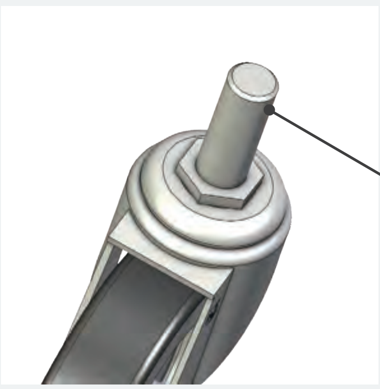
Choose from threaded stem

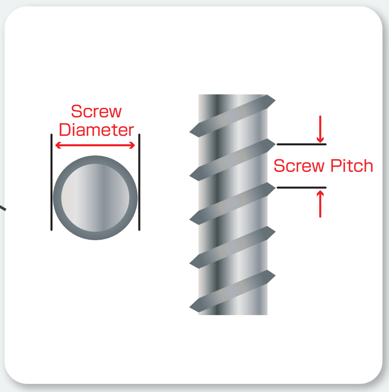


Screw-In Type

Screw Diameter×Screw Pitch [mm]	Screw Length [mm]	Product Name	Page
M8×1.25	15	PT Type	215
M12×1.25	14	LT Type	046
		LT-S Type	047
		PT Type	215
M12×1.75	22	P Type	213
	35	LT Type	046
		LT-S Type	047
		ET Type	048
		ET-S Type	049
		ST Type	050
		ST-S Type	051
		ST Special Type	052
		ST-SW Special Type	053
		SUS-ET Type	159
		SUS-ET-S Type	160
		SUS-ST Type	161
		SUS-ST-S Type	162
		SKY-T Type	180
		SKY-T-S Type	181
		NPT Type	186
		NPT-S Type	187
	14	Prastic Caster	217

Screw Diameter×Screw Pitch [mm]	Screw Length [mm]	Product Name	Page
M16×2	40	ET Type	048
		ET-S Type	049
		ST Type	050
		ST-S Type	051
		SJT Type	080
		SJT-S Type	081
		SUS-SJT Type	163
		SUS-SJT-S Type	164
		ST Special Type	052
		ST-SW Special Type	053
		HT Type	125
		HT-S Type	126
		SUS-ET Type	159
		SUS-ET-S Type	160
		SUS-ST Type	161
		SUS-ST-S Type	162
		SKY-T Type	180
		SKY-T-S Type	181
		NPT Type	186
		NPT-S Type	187
		SFHT Type	208
		SFHT-S Type	209
M20×2.5	40	SJT Type	080
		SJT-S Type	081
		SUS-SJT Type	163
		SUS-SJT-S Type	164
		HT Type	125
		HT-S Type	126





Screw Diameter

- It shows screw diameter.

Screw Pitch

- It's the distance between screw threads.

TPI(UNF・W)

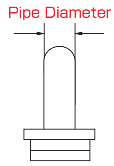
- It's the number of screw threads.

Choose from threaded stem

Screw-In Type

Screw Diameter×Screw Pitch [mm]	Screw Length [mm]	Product Name	Page
UNF1/2×20TPI	14	LT Type	046
		LT-S Type	047
		ET Type	048
		ET-S Type	049
	25	ET Type	048
		ET-S Type	049
		ST Type	050
		ST-S Type	051
W3/4×10TPI	40	ET Type	048
		ET-S Type	049
		ST Type	050
		ST-S Type	051
		SUS-ET Type	159
		SUS-ET-S Type	160
		SUS-ST Type	161
		SUS-ST-S Type	162
W3/8×16TPI	14	LT Type	046
		LT-S Type	047
		ET Type	048
		ET-S Type	049
	15	PT Type	215

Choose from threaded stem



Insertion Type

Pipe Diameter	Product Name	Page
ϕ8	PT Type	215
ϕ16	LTF Type	054
	LTF-S Type	055
ϕ18	LTF Type	054
	LTF-S Type	055
ϕ19	ETF Type	056
	ETF-S Type	057
ϕ22	LTF Type	054
	LTF-S Type	055
	ETF Type	056
	ETF-S Type	057
	STF Type	058
	STF-S Type	059
ϕ24P	LTF Type	054
	LTF-S Type	055
	STF Type	058
	STF-S Type	059
ϕ35P	ETF Type	056/206
	ETF-S Type	057/207
	STF Type	058
	STF-S Type	059

Choose from the wheel

Rubber (Plate Type)

Load Capacity (daN)/1pc	Product Name	Page
~30daN	LG Type	032
	LG-S Type	033
	LR Type	034
	SHSKY Type	174
	SHSKY-S Type	175
~50daN	G Type	027
	G-S Type	028
	GR Type	030
	GRE Type	031
~60daN	E Type	035
	E-S Type	036
	ER Type	037
	SG Type	038
	SG-S Type	040
	SR Type	042
	SGC Type	044
	SGC-S Type	045
	SUS-E Type	140
	SUS-E-S Type	141
	SUS-ER Type	142
	SUS-SG Type	143
	SUS-SG-S Type	144
	SUS-SR Type	145
	SFHG Type	193
	SFHG-S Type	194
~100daN	SUS-SJ Type	146
	SUS-SJ-S Type	147
	SUS-SK Type	148
	SJF Type	196
	SJF-S Type	197
~120daN	SJ Type	071
	SJ-S Type	072
	SK Type	073
	SK/D Type	074
	PLJ Type	204
	PLK Type	205
~150daN	RJ2K Type	069
~160daN	RJ2 Type	066
	RJ2-S Type	067
	KRJ2K Type	070

Load Capacity (daN)/1pc	Product Name	Page
~180daN	K2 Type	068/201
	J2 Type	075
	J2-S Type	076
	K2/D Type	077
	J2K Type	078
	J2K-S Type	079
	SUS-J2 Type	149
	SUS-J2-S Type	150
	SUS-K2 Type	151
	J2F Type	199
	J2F-S Type	200
~200daN	JK Type	98
	JK-S Type	99
	PMS Type (E46)	106
	PMS-LB(R) Type (E46)	107
	PMS-LB(L) Type (E46)	
	PMS-S Type (E46)	108
	SUS-J Type	152
	SUS-J-S Type	153
	SUS-K Type	154
	SKY-2S Type	168
	SKY-2R Type	170
	JF Type	202
~250daN	J-S Type	087
	JB(R) Type	089
	JB(L) Type	091
	KB(R) Type	095
	KB(L) Type	097
~300daN	PMS Type	100
	PMS-LB(R) Type	101
	PMS-LB(L) Type	102
	PMR Type	103
	PMR-LB(R) Type	104
	PMR-LB(L) Type	105
~400daN	J Type	085
	K Type	093

Load capacity is the standard of maximum load.
Each wheel diameter has each load capacity.

~100daN	~200daN	~300daN	~800daN

Choose from the wheel

PU (Plate Type)

Load Capacity (daN)/1pc	Product Name	Page
~30daN	SKY-S Type	176
	SKY-S-S Type	177
	SKY-R Type	178
	SKY-R-S Type	179
	NPG Type	182
	NPG-S Type	183
	NPR Type	184
	NPR-S Type	185
~38daN	LG Type	032
	LG-S Type	033
	LR Type	034
~60daN	E Type	035
	E-S Type	036
	ER Type	037
	SUS-E Type	140
	SUS-E-S Type	141
	SUS-ER Type	142
~65daN	G Type	027
	G-S Type	028
	GR Type	030
~70daN	SG Type	038
	SG-S Type	040
	SR Type	042
	SGC Type	044
	SGC-S Type	045
	SUS-SG Type	143
	SUS-SG-S Type	144
	SUS-SR Type	145
~120daN	SJ Type	071
	SJ-S Type	072
	SK Type	073
	SK/D Type	074
	SUS-SJ Type	146
	SUS-SJ-S Type	147
	SUS-SK Type	148
	PLJ Type	204
	PLK Type	205
~150daN	RJ2K Type	069
~160daN	RJ2 Type	066
	RJ2-S Type	067
	KRJ2K Type	070

Load Capacity (daN)/1pc	Product Name	Page
~180daN	K2 Type	068
	J2 Type	075
	J2-S Type	076
	K2/D Type	077
	J2K Type	078
	J2K-S Type	079
	SUS-J2 Type	149
	SUS-J2-S Type	150
	SUS-K2 Type	151
~200daN	SKY-2S Type	168
	SKY-2R Type	170
~250daN	SUS-J Type	152
	SUS-J-S Type	153
	SUS-K Type	154
~300daN	JK Type	98
	JK-S Type	99
	PMS Type (E46)	106
	PMS-LB(R) Type (E46)	107
	PMS-LB(L) Type (E46)	
	PMS-S Type (E46)	108
	HSG Type	118
	HSG-S Type	119
	HSR Type	120
	CAL-HG Type	123
~320daN	HG Type	115
	HG-S Type	116
	HR Type	117
	HG-AF Type	135
~400daN	J-S Type	087
	JB(R) Type	089
	JB(L) Type	091
	KB(R) Type	095
	KB(L) Type	097
	PMS Type	100
	PMS-LB(R) Type	101
	PMS-LB(L) Type	102
	PMR Type	103
	PMR-LB(R) Type	104
	PMR-LB(L) Type	105
~600daN	J Type	085
	K Type	093

Choose from the wheel

Nylon (Plate Type)

Load Capacity (daN)/1pc	Product Name	Page
~40daN	LG Type	032
	LG-S Type	033
	LR Type	034
	E-AF Type	130
~50daN	GRE Type	031
~60daN	E Type	035
	E-S Type	036
	ER Type	037
	SPLG Type	131
	SUS-E Type	140
	SUS-E-S Type	141
	SUS-ER Type	142
~65daN	G Type	027
	G-S Type	028
	GR Type	030
~80daN	SG Type	038
	SG-S Type	040
	SR Type	042
	SGC Type	044
	SGC-S Type	045
	LHG Type	112
	SUS-SG Type	143
	SUS-SG-S Type	144
	SUS-SR Type	145
~100daN	MG Type	64
	MR Type	65
	SUS-SJ Type	146
	SUS-SJ-S Type	147
	SUS-SK Type	148
~120daN	SJ Type	071
	SJ-S Type	072
	SK Type	073
	SK/D Type	074
	HGL Type	113
~130daN	SGW-AF Type	132
	SR-AF Type	133
~150daN	RJ2K Type	069
	HG-W Type	114
~160daN	RJ2 Type	066
	RJ2-S Type	067
	K2 Type	068
	KRJ2K Type	070
	J2 Type	075
	J2-S Type	076
	K2/D Type	077
	J2K Type	078
	J2K-S Type	079
	SUS-J2 Type	149
	SUS-J2-S Type	150
	SUS-K2 Type	151

Load Capacity (daN)/1pc	Product Name	Page
~220daN	SUS-J Type	152
	SUS-J-S Type	153
	SUS-K Type	154
~250daN	AF Type	134
	SUS-HG Type	155
	SUS-HG-S Type	156
	SUS-HR Type	157
	SUS-HSG Type	158
~300daN	HSG Type	118
	HSG-S Type	119
	HSR Type	120
	CAL-HG Type	123
~320daN	HG Type	115
	HG-S Type	116
	HR Type	117
	HG-AF Type	135
~500daN	UHG Type	121
	UHR Type	122
	CAL-UHG Type	124

Load capacity is the standard of maximum load.
Each wheel diameter has each load capacity.

～100daN	～200daN	～300daN	～800daN

Choose from the wheel

Elastomer (Plate Type)

Load Capacity (daN)/1pc	Product Name	Page
~25daN	LG Type	032
	LG-S Type	033
	LR Type	034
~35daN	EF Type	190
	EF-S Type	191
~50daN	G Type	027
	G-S Type	028
	GR Type	030
	E Type	035
	E-S Type	036
	ER Type	037
	SG Type	038
	SG-S Type	040
	SR Type	042
	SGC Type	044
	SGC-S Type	045
	SUS-E Type	140
	SUS-E-S Type	141
	SUS-ER Type	142
	SUS-SG Type	143
	SUS-SG-S Type	144
	SUS-SR Type	145
	SFHG Type	193
	SFHG-S Type	194

Choose from the wheel

Monomer Cast Nylon (Plate Type)

Load Capacity (daN)/1pc	Product Name	Page
~160daN	K2 Type	068
	J2 Type	075
	J2-S Type	076
	K2/D Type	077
	J2K Type	078
	J2K-S Type	079
~200daN	JK Type	098
	JK-S Type	099
~250daN	J Type	085
	J-S Type	087
	JB(R) Type	089
	JB(L) Type	091
	K Type	093
	KB(R) Type	095
	KB(L) Type	097
	SUS-HG Type	155
	SUS-HG-S Type	156
	SUS-HR Type	157
	SUS-HSG Type	158
~300daN	HSG Type	118
	HSG-S Type	119
	HSR Type	120
	CAL-HG Type	123
	AF Type	134
~320daN	HG Type	115
	HG-S Type	116
	HR Type	117
	HG-AF Type	135
~700daN	UHR Type	122
	CAL-UHG Type	124
~800daN	UHG Type	121

Choose from the wheel

Phenol (Plate Type)

Load Capacity (daN)/1pc	Product Name	Page
~100daN	SJ Type	071
	SJ-S Type	072
	SK Type	073
~200daN	J Type	085
	J-S Type	087
	JB(R) Type	089
	JB(L) Type	091
	K Type	093
	KB(R) Type	095
	KB(L) Type	097
	JK Type	098
~250daN	SUS-HG Type	155
	SUS-HG-S Type	156
	SUS-HR Type	157
	SUS-HSG Type	158
~300daN	HSG Type	118
	HSG-S Type	119
	HSR Type	120
	CAL-HG Type	123
~320daN	HG Type	115
	HG-S Type	116
	HR Type	117
	HG-AF Type	135
~600daN	UHG Type	121
	UHR Type	122
	CAL-UHG Type	124

Choose from the wheel

Polycarbonate (Plate Type)

Load Capacity (daN)/1pc	Product Name	Page
~38daN	G Type	027
	G-S Type	028
	GR Type	029

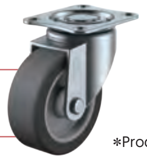
Load capacity is the standard of maximum load.
Each wheel diameter has each load capacity.

～100daN	～200daN	～300daN	～800daN

Choose from the load capacity

Plate Type

Light Duty
LIGHTSTAR



*Product Image

Load Capacity/1pc	Product Name	Page
~40daN	LG Type	032
	LG-S Type	033
	LR Type	034
~50daN	GRE Type	031
~60daN	E Type	035
	E-S Type	036
	ER Type	037
~65daN	G Type	027
	G-S Type	028
	GR Type	030
~80daN	SG Type	038
	SG-S Type	040
	SR Type	042
	SGC Type	044
	SGC-S Type	045

Heavy Duty
HEAVYSTAR

*Product Image

Load Capacity/1pc	Product Name	Page
~300daN	JK Type	098
	JK-S Type	099
	PMS Type (E46)	106
	PMS-LB(R) Type (E46)	107
	PMS-LB(L) Type (E46)	
	PMS-S Type (E46)	108
~400daN	J-S Type	087
	JB(R) Type	089
	JB(L) Type	091
	KB(R) Type	095
	KB(L) Type	097
	PMS Type	100
	PMS-LB(R) Type	101
	PMS-LB(L) Type	102
	PMR Type	103
	PMR-LB(R) Type	104
	PMR-LB(L) Type	105
~600daN	J Type	085
	K Type	093

Medium Duty
MIDDLESTAR

*Product Image

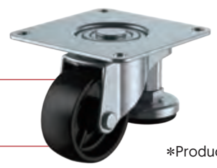
Load Capacity/1pc	Product Name	Page
~100daN	MG Type	064
	MR Type	065
~120daN	SJ Type	071
	SJ-S Type	072
	SK Type	073
	SK/D Type	074
~150daN	RJ2K Type	069
~160daN	RJ2 Type	066
	RJ2-S Type	067
	KRJ2K Type	070
~180daN	J2 Type	075
	J2-S Type	076
	K2 Type	068
	K2/D Type	077
	J2K Type	078
	J2K-S Type	079

Low-Profile Heavy Duty
SHORTSTAR

*Product Image

Load Capacity/1pc	Product Name	Page
~80daN	LHG Type	112
~120daN	HGL Type	113
~150daN	HG-W Type	114
~300daN	HSG Type	118
	HSG-S Type	119
	HSR Type	120
	CAL-HG Type	123
~320daN	HG Type	115
	HG-S Type	116
	HR Type	117
~700daN	UHR Type	122
	CAL-UHG Type	124
~800daN	UHG Type	121

Leveling
LOCKSTAR



*Product Image

Load Capacity/1pc	Product Name	Page
~40daN	E-AF Type	130
~60daN	SPLG Type	131
~130daN	SGW-AF Type	132
	SR-AF Type	133
~300daN	AF Type	134
~320daN	HG-AF Type	135

Stainless Steel

STAINLESTAR

*Product Image

Load Capacity/1pc	Product Name	Page
~60daN	SUS-E Type	140
	SUS-E-S Type	141
	SUS-ER Type	142
~80daN	SUS-SG Type	143
	SUS-SG-S Type	144
	SUS-SR Type	145
~120daN	SUS-SJ Type	146
	SUS-SJ-S Type	147
	SUS-SK Type	148
~180daN	SUS-J2 Type	149
	SUS-J2-S Type	150
	SUS-K2 Type	151
~250daN	SUS-J Type	152
	SUS-J-S Type	153
	SUS-K Type	154
	SUS-HG Type	155
	SUS-HG-S Type	156
	SUS-HR Type	157
	SUS-HSG Type	158

Towing

LEADSTAR

*Product Image

Proper Load/1pc	Product Name	Page
~200daN	SKY-2S Type	168
	SKY-2R Type	170

Shock Absorbing

SMOOSTAR

*Product Image

Proper Load/1pc	Product Name	Page
~30daN	SHSKY Type	174
	SHSKY-S Type	175
	SKY-S Type	176
	SKY-S-S Type	177
	SKY-R Type	178
	SKY-R-S Type	179
	NPG Type	182
	NPG-S Type	183
	NPR Type	184
	NPR-S Type	185

Silence

SILENTSTAR

*Product Image

Load Capacity/1pc	Product Name	Page
~35daN	ER Type	192
	EF Type	190
	EF-S Type	191
~60daN	SR Type	195
	SFHG Type	193
	SFHG-S Type	194
~100daN	SK Type	198
	SJF Type	196
	SJF-S Type	197
~120daN	PLJ Type	204
	PLK Type	205
~180daN	K2 Type	201
	J2F Type	199
	J2F-S Type	200
~200daN	K Type	203
	JF Type	202

Office Equipment

OFFICESTAR

*Product Image

Load Capacity/1pc	Product Name	Page
~30daN	PT Type	214
~100daN	P Type	212

OTHERS

*Product Image

Load Capacity/1pc	Product Name	Page
~100daN	Plastic Caster	217

Load capacity is the standard of maximum load.
Each wheel diameter has each load capacity.

~100daN	~200daN	~300daN	~800daN

LIGHTSTAR

Small turn, light, easiness.

Compact model sticking to ease of use.

LINEUP ・G-type ・L-type ・E-type ・S-type

LIGHTSTAR

Light Duty

Lineup from 25mm and small turn radius.
They are used for furniture and store fixtures.

POINT.1 Lineup corresponding to various mounting methods

Plate Type

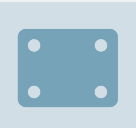


Plate type caster which is necessary using bolts and nuts when you install.

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

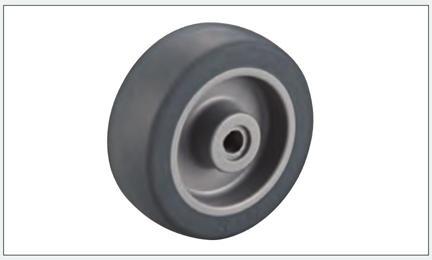
Angle type caster which is install in angle.

Corner Type

Corner type caster which is install in trapzzoid plate.

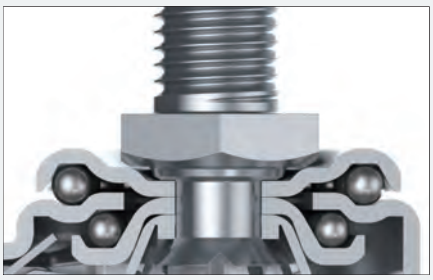
POINT.2 Elastomer wheel standard of light duty

Recommen-dation



① Elastomer wheel which is A65 is excellent in quitness when running.
② It is hard to make marking, it is able to reduce dirt on the floor.
③ Less compression set and It is excellent in rebound resilience.

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.

G Type

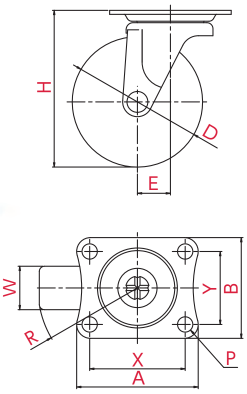
Swivel | Plate Type

ϕ 25 32 38 50 65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)*
Single Bearing | Double Bearing
Single Stopper | Double Stopper

G-75BN

G-50PC-R
(Chromium Plating)



The picture is a typical product image.

Order Example	G	-	75	BN
	Bracket Type		Wheel Diameter	Wheel Type

Mounting Method — Plate Type

Usage

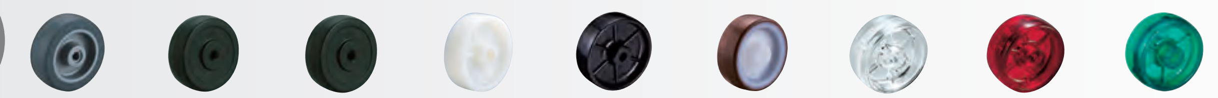
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Fixed

GR Type
P.029

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
25	G-25EL	Elastomer	8(8.2)	12	35	35×30	28×23	4.2	8	21
	G-25R	Rubber								
	G-25N	Nylon	10(10.2)							
	G-25BN	Black Nylon								
	G-25UR	PU								
	G-25PC-C	Clear Polycarbonate								
	G-25PC-R	Red Polycarbonate								
	G-25PC-G	Green Polycarbonate								
32	G-32EL	Elastomer	12(12.2)	14	42	38×32	30×24	4.2	10	27
	G-32R	Rubber								
	G-32N	Nylon	18(18.4)							
	G-32BN	Black Nylon								
	G-32UR	PU								
38	G-38EL	Elastomer	20(20.4)	17	50	46×38	36×28	5.3	12	32
	G-38R	Rubber								
	G-38N	Nylon	28(28.6)	16						
	G-38BN	Black Nylon								
	G-38UR	PU								
	G-38PC-C	Clear Polycarbonate								
	G-38PC-R	Red Polycarbonate								
	G-38PC-G	Green Polycarbonate								

Wheel Type



EL	R	RH	N	BN	UR	PC-C	PC-R	PC-G
Wheel:PP	Wheel:Rubber	Wheel:Rubber	Wheel:Nylon	Wheel:Black Nylon	Wheel:Nylon	Wheel:Clear Polycarbonate	Wheel:Red Polycarbonate	Wheel:Green Polycarbonate
Tread:Elastomer	Tread:Rubber	Tread:Rubber	Tread:Nylon	Tread:Black Nylon	Tread:PU	Tread:Clear Polycarbonate	Tread:Red Polycarbonate	Tread:Green Polycarbonate

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

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	**G-50EL**	Elastomer	25(25.5)	20	65	59×47	46×35	6.5	16	42
	G-50R	Rubber	30(30.6)							
	G-50N	Nylon	38(38.8)	21						
	G-50BN	Black Nylon								
	G-50UR	PU								
	G-50PC-C*	Clear Polycarbonate		21.5						
	G-50PC-R*	Red Polycarbonate								
	G-50PC-G*	Green Polycarbonate								
65	**G-65EL**	Elastomer	40(40.8)	27	80	70×58	55×42	8.8	21	54
	G-65RH	Rubber		25						
	G-65N	Nylon	55(56.1)							
	G-65BN	Black Nylon								
	G-65UR	PU								
75	**G-75EL**	Elastomer	50(51.0)	27	90	70×58	55×42	8.8	21	59
	G-75RH	Rubber		25						
	G-75N	Nylon	65(66.3)							
	G-75BN	Black Nylon								
	G-75UR	PU		26						

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

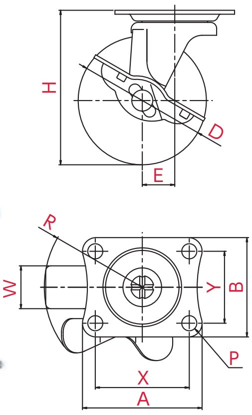
G-S Type

Swivel | Plate Type

ϕ 38 50 65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)*
Single Bearing | Double Bearing
Single Stopper | Double Stopper

(Chromium Plating)



The picture is a typical product image.

Order Example	G	-	75	N	S
	Bracket Type		Wheel Diameter	Wheel Type	Stopper

Mounting Method: Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

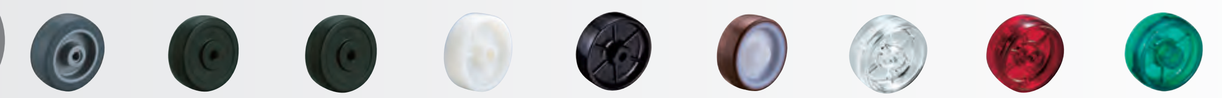
▼ Use together with Fixed

GR Type
P.029

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
38	G-38ELS	Elastomer	20(20.4)	17	50	46×38	36×28	5.3	12	45
	G-38RS	Rubber								
	G-38NS	Nylon	28(28.6)	16						
	G-38BNS	Black Nylon								
	G-38URS	PU								
	G-38PCS-C	Clear Polycarbonate								
	G-38PCS-R	Red Polycarbonate								
	G-38PCS-G	Green Polycarbonate								
50	G-50ELS	Elastomer	25(25.5)	20	65	59×47	46×35	6.5	16	50
	G-50RS	Rubber	30(30.6)							
	G-50NS	Nylon	38(38.8)	21						
	G-50BNS	Black Nylon								
	G-50URS	PU								
	G-50PCS-C*	Clear Polycarbonate		21.5						
	G-50PCS-R*	Red Polycarbonate								
	G-50PCS-G*	Green Polycarbonate								
65	G-65ELS	Elastomer	40(40.8)	27	80	70×58	55×42	8.8	21	59
	G-65RHS	Rubber		25						
	G-65NS	Nylon	55(56.1)							
	G-65BNS	Black Nylon								
	G-65URS	PU								
75	G-75ELS	Elastomer	50(51.0)	27	90	70×58	55×42	8.8	21	59
	G-75RHS	Rubber		25						
	G-75NS	Nylon	65(66.3)							
	G-75BNS	Black Nylon								
	G-75URS	PU		26						

*G-50PCS-C/R/G are CP (Chromium Plating)

Wheel Type



EL	R	RH	N	BN	UR	PC -C	PC -R	PC -G
Wheel: PP / Tread: Elastomer	Wheel: Rubber / Tread: Rubber	Wheel: Rubber / Tread: Rubber	Wheel: Nylon / Tread: Nylon	Wheel: Black Nylon / Tread: Black Nylon	Wheel: Nylon / Tread: PU	Wheel: Clear Polycarbonate / Tread: Clear Polycarbonate	Wheel: Red Polycarbonate / Tread: Red Polycarbonate	Wheel: Green Polycarbonate / Tread: Green Polycarbonate

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

GR Type

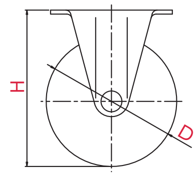
Fixed | **Plate Type**

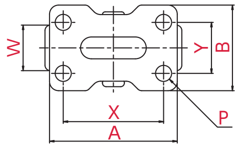
ϕ 25 32 38 50 65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)*1
Single Bearing | Double Bearing
Single Stopper | Double Stopper

GR-75EL

GR-50PC-G
(Chromium Plating)

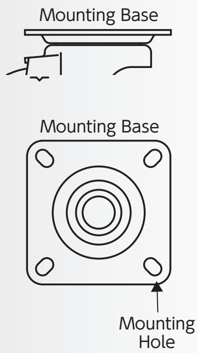




The picture is a typical product image.

Order Example: GR - 75 EL
GR = Bracket Type, 75 = Wheel Diameter, EL = Wheel Type

Mounting Method: Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with **Swivel**

G Type P.026

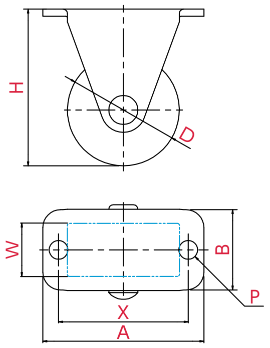
G-S Type P.028

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
25*2	GR-25EL	Elastomer	8(8.2)	12	35	36×18	29×0	4.2
	GR-25R	Rubber						
	GR-25N	Nylon	10(10.2)					
	GR-25BN	Black Nylon						
	GR-25UR	PU						
	GR-25PC-C	Clear Polycarbonate						
	GR-25PC-R	Red Polycarbonate						
	GR-25PC-G	Green Polycarbonate						
32*2	GR-32EL	Elastomer	12(12.2)	14	42	36×20	29×0	4.2
	GR-32R	Rubber						
	GR-32N	Nylon	18(18.4)					
	GR-32BN	Black Nylon						
	GR-32UR	PU						
38	GR-38EL	Elastomer	20(20.4)	17	50	46×25	36×15	5.3
	GR-38R	Rubber						
	GR-38N	Nylon	28(28.6)	16				
	GR-38BN	Black Nylon						
	GR-38UR	PU						
	GR-38PC-C	Clear Polycarbonate						
	GR-38PC-R	Red Polycarbonate						
	GR-38PC-G	Green Polycarbonate						
50	GR-50EL	Elastomer	25(25.5)	20	65	58×40	45×25	6.5
	GR-50R	Rubber	30(30.6)					
	GR-50N	Nylon	38(38.8)	21				
	GR-50BN	Black Nylon						
	GR-50UR	PU						
	GR-50PC-C*1	Clear Polycarbonate		21.5				
	GR-50PC-R*1	Red Polycarbonate						
	GR-50PC-G*1	Green Polycarbonate						

*1 GR-50PC-C/R/G are CP (Chromium Plating)
*2 Mounting holes of ϕ25・ϕ32 are two. (P.030)

GR Type

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
65	**GR-65EL**	Elastomer	40(40.8)	27	80	70×47	55×28	8.8
	GR-65RH	Rubber		25				
	GR-65N	Nylon	55(56.1)					
	GR-65BN	Black Nylon						
	GR-65UR	PU						
75	**GR-75EL**	Elastomer	50(51.0)	27	90	70×47	55×28	8.8
	GR-75RH	Rubber		25				
	GR-75N	Nylon	65(66.3)					
	GR-75BN	Black Nylon						
	GR-75UR	PU		26				



P.029 ＊2 φ25·φ32 External Dimensions

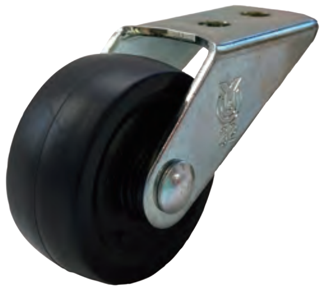
Wheel Type

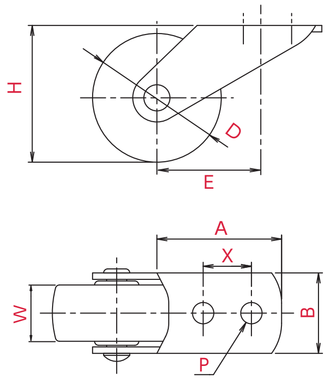
GRE Type

Fixed | Plate Type

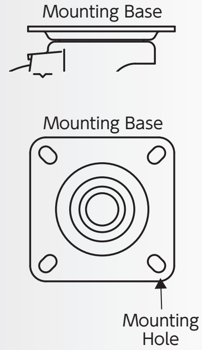
ϕ 32 40 50

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper


GRE-32R



Mounting Method | Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

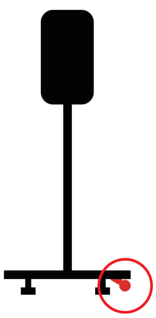
Order Example: GRE (Bracket Type) - 32 (Wheel Diameter) R (Wheel Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
32	**GRE-32R**	Rubber	20(20.4)	14	34	31×20	12×0	5.3	28
	GRE-32N	Nylon							
40	**GRE-40R**	Rubber	40(40.8)	17	42	35×25	12×0	6.5	31
	GRE-40N	Nylon							
50	**GRE-50R**	Rubber	50(51.0)	20	52	40×30	14×0	6.5	37
	GRE-50N	Nylon		21					

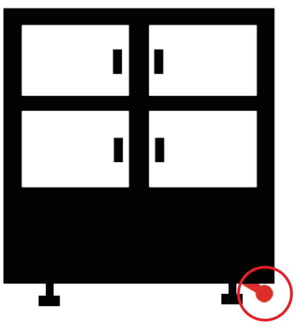
Useful in these cases!

Attention: GRE type is not suitable for long distance running.
Please use it in temporary moving of light load.

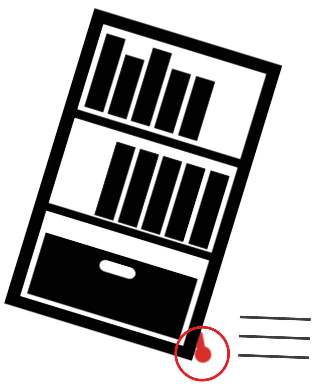
In the case of there is not much space to mount.
Ex.) Sign, Dispenser, Stand.



In the case of there is no much space by low-profile.



In the case of there is no space in the bottom.
*You can mount it on the side.



Wheel Type


R
Wheel: Rubber
Tread: Rubber

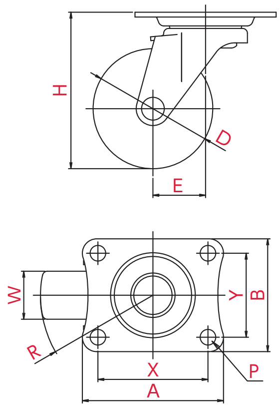

N
Wheel: Nylon
Tread: Nylon

LG Type

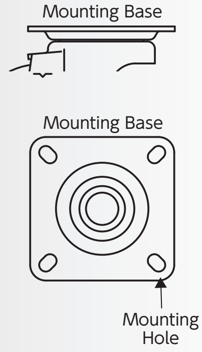
Swivel φ50 Plate Type

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper


LG-50BN



Mounting Method: Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

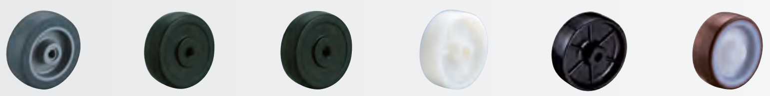
Order Example: LG (Bracket Type) - 50 (Wheel Diameter) BN (Wheel Type)

Use together with Fixed


LR Type
P.034

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	LG-50EL	Elastomer	25(25.5)	20	65	59×47	46×35	6.5	22	47
	LG-50R	Rubber	30(30.6)							
	LG-50RE	Conductive Rubber								
	LG-50N	Nylon	40(40.8)	21						
	LG-50BN	Black Nylon								
	LG-50UR	PU	38(38.8)							

Wheel Type



EL	R	RE	N	BN	UR
Wheel: PP Tread: Elastomer	Wheel: Rubber Tread: Rubber	Wheel: Conductive Rubber Tread: Conductive Rubber	Wheel: Nylon Tread: Nylon	Wheel: Black Nylon Tread: Black Nylon	Wheel: Nylon Tread: PU

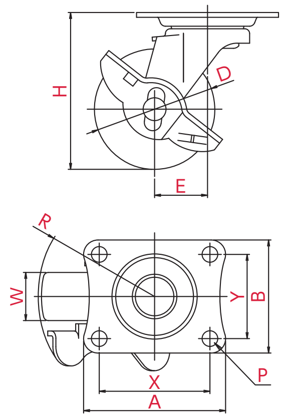
G-type L-type E-type M-type S-type J-type PM-type H-type AF-type NP-type SKY-type SILENT-type OTHER

LG-S Type

Swivel | Plate Type | ϕ50

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

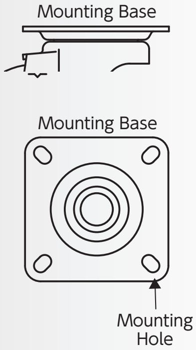
LG-50BNS



The picture is a typical product image.

Order Example	LG	-	50	BN	S
	Bracket Type		Wheel Diameter	Wheel Type	Stopper

Mounting Method | Plate Type



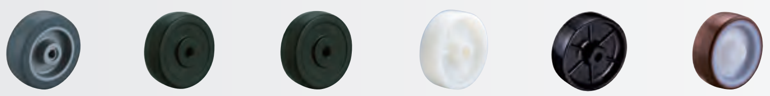
Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with | Fixed

LR Type
P.034

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	**LG-50ELS**	Elastomer	25(25.5)	20	65	59×47	46×35	6.5	22	49
	LG-50RS	Rubber	30(30.6)							
	LG-50RES	Conductive Rubber								
	LG-50NS	Nylon	40(40.8)	21						
	LG-50BNS	Black Nylon								
	LG-50URS	PU	38(38.8)							

Wheel Type



EL	R	RE	N	BN	UR
Wheel: PP	Wheel: Rubber	Wheel: Conductive Rubber	Wheel: Nylon	Wheel: Black Nylon	Wheel: Nylon
Tread: Elastomer	Tread: Rubber	Tread: Conductive Rubber	Tread: Nylon	Tread: Black Nylon	Tread: PU

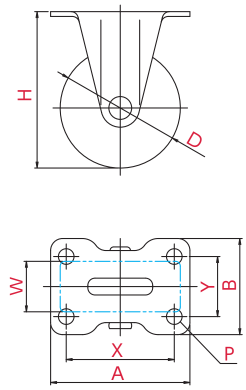
LR Type

Fixed | Plate Type

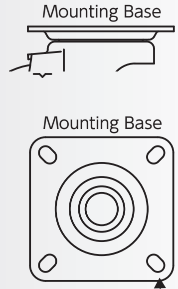
ϕ 50

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

LR-50BN



Mounting Method | Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

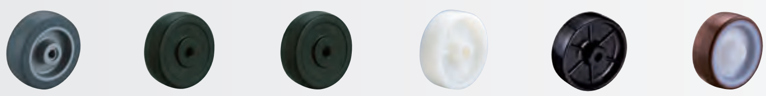
Order Example: LR - 50 BN
(LR: Bracket Type, 50: Wheel Diameter, BN: Wheel Type)

Use together with Swivel

LG Type P.032
LG-S Type P.033

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
50	LR-50EL	Elastomer	25(25.5)	20	65	58×40	45×25	6.5
	LR-50R	Rubber	30(30.6)					
	LR-50RE	Conductive Rubber						
	LR-50N	Nylon	40(40.8)	21				
	LR-50BN	Black Nylon						
	LR-50UR	PU	38(38.8)					

Wheel Type



EL	R	RE	N	BN	UR
Wheel: PP Tread: Elastomer	Wheel: Rubber Tread: Rubber	Wheel: Conductive Rubber Tread: Conductive Rubber	Wheel: Nylon Tread: Nylon	Wheel: Black Nylon Tread: Black Nylon	Wheel: Nylon Tread: PU

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

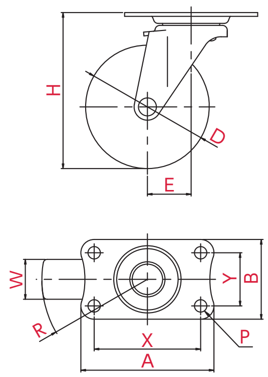
E Type

Swivel | Plate Type

ϕ 50 65 75 100 125

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

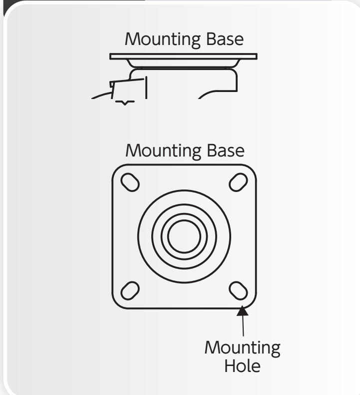
E-100N



The picture is a typical product image.

Order Example	E	-	100	N
	Bracket Type		Wheel Diameter	Wheel Type

Mounting Method | Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with | Fixed

ER Type
P.037

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	E-50EL	Elastomer	25(25.5)	20	65	70×42	56×28	6.5	22	47
	E-50R	Rubber	30(30.6)							
	E-50RE	Conductive Rubber								
	E-50N	Nylon	40(40.8)	21						
	E-50UR	PU	38(38.8)							
65	E-65EL	Elastomer	30(30.6)	21	82	70×42	56×28	6.5	23	56
	E-65RH	Rubber								
	E-65RHE	Conductive Rubber								
	E-65N	Nylon	40(40.8)							
	E-65UR	PU								
75	E-75EL	Elastomer	30(30.6)	21	92	70×42	56×28	6.5	27	65
	E-75RH	Rubber	40(40.8)							
	E-75RHE	Conductive Rubber								
	E-75N	Nylon	50(51.0)							
	E-75UR	PU	45(45.9)							
100	E-100EL	Elastomer	50(51.0)	27	122	100×58	82×40	8.8	31	82
	E-100RH	Rubber		25						
	E-100NR		60(61.2)	27						
	E-100NRB	Rubber(Including B)								
	E-100RHE	Conductive Rubber	50(51.0)	25						
	E-100N	Nylon	60(61.2)							
	E-100UR	PU		28						
	E-100UHF	PU(Including B)								
125	E-125RH	Rubber	50(51.0)	25	148	100×58	82×40	8.8	36	99

Wheel Type

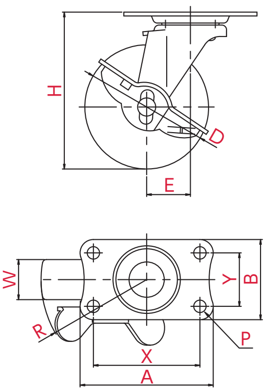
EL	R/RH	NR	NRB	RE	RHE	N	UR	UHF
Wheel: PP Tread: Elastomer	Wheel: Rubber Tread: Rubber	Wheel: Nylon Tread: Rubber	Wheel: Nylon Tread: Rubber (Including B)	Wheel: Conductive Rubber Tread: Conductive Rubber	Wheel: Conductive Rubber Tread: Conductive Rubber	Wheel: Nylon Tread: Nylon	Wheel: Nylon Tread: PU	Wheel: Nylon Tread: PU (Including B)

E-S Type

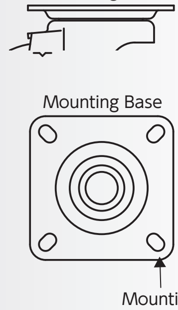
Swivel | Plate Type

ϕ 50 65 75 100 125

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper



Mounting Method | Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: E (Bracket Type) - 100 (Wheel Diameter) N (Wheel Type) S (Stopper)

▼ Use together with | Fixed

ER Type
P.037

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	E-50ELS	Elastomer	25(25.5)	20	65	70×42	56×28	6.5	22	49
	E-50RS	Rubber	30(30.6)							
	E-50RES	Conductive Rubber								
	E-50NS	Nylon	40(40.8)	21						
	E-50URS	PU	38(38.8)							
65	E-65ELS	Elastomer	30(30.6)	21	82	70×42	56×28	6.5	23	57
	E-65RHS	Rubber								
	E-65RHES	Conductive Rubber								
	E-65NS	Nylon	40(40.8)							
	E-65URS	PU								
75	E-75ELS	Elastomer	30(30.6)	21	92	70×42	56×28	6.5	27	65
	E-75RHS	Rubber	40(40.8)							
	E-75RHES	Conductive Rubber								
	E-75NS	Nylon	50(51.0)							
	E-75URS	PU	45(45.9)							
100	E-100ELS	Elastomer	50(51.0)	27	122	100×58	82×40	8.8	31	82
	E-100RHS	Rubber		25						
	E-100NRS		60(61.2)	27						
	E-100NRBDS	Rubber(Including B)								
	E-100RHES	Conductive Rubber	50(51.0)	25						
	E-100NS	Nylon	60(61.2)							
	E-100URS	PU		28						
	E-100UHFDS	PU(Including B)								
125	E-125RHS	Rubber	50(51.0)	25	148	100×58	82×40	8.8	36	99

Wheel Type

EL	R/RH	NR	NRB	RE	RHE	N	UR	UHF
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Nylon Tread:Rubber (Including B)	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Nylon Tread:Nylon	Wheel:Nylon Tread:PU	Wheel:Nylon Tread:PU (Including B)

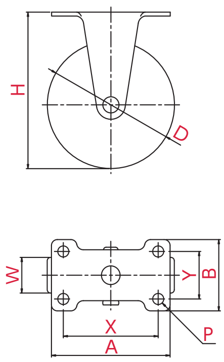
ER Type

Fixed | **Plate Type**

ϕ 50 65 75 100 125

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

ER-100EL



Mounting Method | **Plate Type**

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with **Swivel**


E Type
P.035


E-S Type
P.036

The picture is a typical product image.

Order Example	ER	-	100	EL
	Bracket Type		Wheel Diameter	Wheel Type

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
50	ER-50EL	Elastomer	25(25.5)	20	65	70×42	56×28	6.5
	ER-50R	Rubber	30(30.6)					
	ER-50RE	Conductive Rubber						
	ER-50N	Nylon	40(40.8)	21				
	ER-50UR	PU	38(38.8)					
65	ER-65EL	Elastomer	30(30.6)	21	82	70×42	56×28	6.5
	ER-65RH	Rubber						
	ER-65RHE	Conductive Rubber						
	ER-65N	Nylon	40(40.8)					
	ER-65UR	PU						
75	ER-75EL	Elastomer	30(30.6)	21	92	70×42	56×28	6.5
	ER-75RH	Rubber	40(40.8)					
	ER-75RHE	Conductive Rubber						
	ER-75N	Nylon	50(51.0)					
	ER-75UR	PU	45(45.9)					
100	ER-100EL	Elastomer	50(51.0)	27	122	100×58	82×40	8.8
	ER-100RH	Rubber		25				
	ER-100NR		60(61.2)	27				
	ER-100NRB	Rubber(Including B)						
	ER-100RHE	Conductive Rubber	50(51.0)	25				
	ER-100N	Nylon	60(61.2)					
	ER-100UR	PU		28				
	ER-100UHF	PU(Including B)						
125	ER-125RH	Rubber	50(51.0)	25	148	100×58	82×40	8.8

With stopper type is also available for 50mm, 65mm, 75mm.

Wheel Type

EL	R/RH	NR	NRB	RE	RHE	N	UR	UHF
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Nylon Tread:Rubber (Including B)	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Nylon Tread:Nylon	Wheel:Nylon Tread:PU	Wheel:Nylon Tread:PU (Including B)

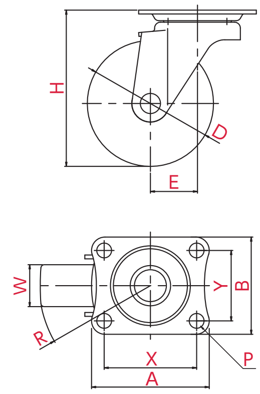
SG Type

Swivel | Plate Type

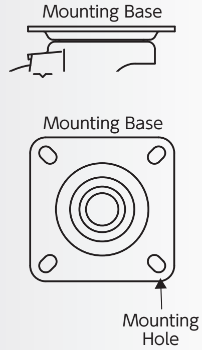
ϕ 50 65 75 100

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SG-75N



Mounting Method | Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with **Fixed**

SR Type
P.042

The picture is a typical product image.

Order Example: **SG** - **75** **N**
SG: Bracket Type; 75: Wheel Diameter; N: Wheel Type

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	SG-50EL	Elastomer	35(35.7)	27	70	70×58	55×42	8.8	27	53
	SG-50RH	Rubber	50(51.0)	28						
	SG-50N	Nylon	60(61.2)							
	SG-50BN	Black Nylon								
	SG-50UR	PU		25						
65	SG-65EL	Elastomer	40(40.8)	27	85	70×58	55×42	8.8	27	61
	SG-65RH	Rubber	50(51.0)	25						
	SG-65RHE	Conductive Rubber								
	SG-65N	Nylon	70(71.4)							
	SG-65BN	Black Nylon								
	SG-65UR	PU	60(61.2)							
75	SG-75EL	Elastomer	50(51.0)	27	93	70×58	55×42	8.8	28	66
	SG-75RH	Rubber	60(61.2)	25						
	SG-75NR			27						
	SG-75NRB	Rubber(Including B)								
	SG-75RHE	Conductive Rubber		25						
	SG-75N	Nylon	80(81.6)							
	SG-75BN	Black Nylon								
	SG-75UR	PU	70(71.4)	26						
	SG-75UHF	PU(Including B)								

Wheel Type

Code	Wheel	Tread
EL	PP	Elastomer
RH	Rubber	Rubber
NR	Nylon	Rubber
NRB	Nylon	Rubber (Including B)
RHE	Conductive Rubber	Conductive Rubber
N	Nylon	Nylon
BN	Black Nylon	Black Nylon
UR	Nylon	PU
UHF	Nylon	PU (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

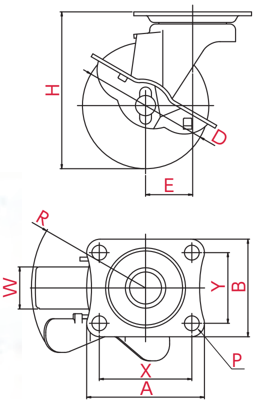
Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
100	**SG-100EL**	Elastomer	50(51.0)	27	122	100×58	82×40	8.8	31	82
	SG-100RH	Rubber		25						
	SG-100NR		60(61.2)	27						
	SG-100NRB	Rubber(Including B)								
	SG-100RHE	Conductive Rubber	50(51.0)	25						
	SG-100N	Nylon	60(61.2)							
	SG-100BN	Black Nylon								
	SG-100UR	PU		28						
	SG-100UHF	PU(Including B)								

SG-S Type

Swivel | Plate Type

ϕ 50 65 75 100

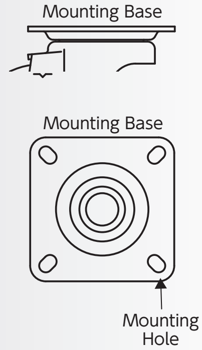
BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper



The picture is a typical product image.

Order Example	SG	-	75	BN	S
	Bracket Type		Wheel Diameter	Wheel Type	Stopper

Mounting Method: Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Fixed

SR Type
P.042

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	SG-50ELS	Elastomer	35(35.7)	27	70	70×58	55×42	8.8	27	67
	SG-50RHS	Rubber	50(51.0)	28						
	SG-50NS	Nylon	60(61.2)							
	SG-50BNS	Black Nylon								
	SG-50URS	PU		25						
65	SG-65ELS	Elastomer	40(40.8)	27	85	70×58	55×42	8.8	27	68
	SG-65RHS	Rubber	50(51.0)	25						
	SG-65RHES	Conductive Rubber								
	SG-65NS	Nylon	70(71.4)							
	SG-65BNS	Black Nylon								
	SG-65URS	PU	60(61.2)							
75	SG-75ELS	Elastomer	50(51.0)	27	93	70×58	55×42	8.8	28	68
	SG-75RHS	Rubber	60(61.2)	25						
	SG-75NRS			27						
	SG-75NRBDS	Rubber(Including B)								70
	SG-75RHES	Conductive Rubber		25						68
	SG-75NS	Nylon	80(81.6)							
	SG-75BNS	Black Nylon								
	SG-75URS	PU	70(71.4)	26						
	SG-75UHFDS	PU(Including B)								70

Wheel Type

EL	RH	NR	NRB	RHE	N	BN	UR	UHF
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Nylon Tread:Rubber (Including B)	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Nylon Tread:Nylon	Wheel:Black Nylon Tread:Black Nylon	Wheel:Nylon Tread:PU	Wheel:Nylon Tread:PU (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

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
100	**SG-100ELS**	Elastomer	50(51.0)	27	122	100×58	82×40	8.8	31	82
	SG-100RHS	Rubber		25						
	SG-100NRS		60(61.2)	27						
	SG-100NRBDS	Rubber(Including B)								
	SG-100RHES	Conductive Rubber	50(51.0)	25						
	SG-100NS	Nylon	60(61.2)							
	SG-100BNS	Black Nylon								
	SG-100URS	PU		28						
	SG-100UHFDS	PU(Including B)								

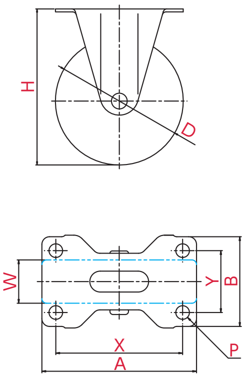
SR Type

Fixed **Plate Type**

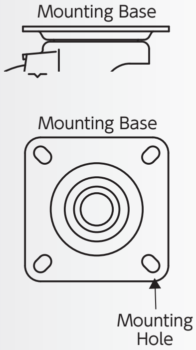
ϕ 50 65 75 100

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SR-75EL



Mounting Method **Plate Type**



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: SR (Bracket Type) - 75 (Wheel Diameter) EL (Wheel Type)

▼ Use together with **Swivel**


SG Type P.038


SG-S Type P.040

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
50	**SR-50EL**	Elastomer	35(35.7)	27	70	70×47	55×28	8.8
	SR-50RH	Rubber	50(51.0)	28				
	SR-50N	Nylon	60(61.2)					
	SR-50BN	Black Nylon						
	SR-50UR	PU		25				
65	**SR-65EL**	Elastomer	40(40.8)	27	85	70×47	55×28	8.8
	SR-65RH	Rubber	50(51.0)	25				
	SR-65RHE	Conductive Rubber						
	SR-65N	Nylon	70(71.4)					
	SR-65BN	Black Nylon						
	SR-65UR	PU	60(61.2)					
75	**SR-75EL**	Elastomer	50(51.0)	27	93	70×47	55×28	8.8
	SR-75RH	Rubber	60(61.2)	25				
	SR-75NR			27				
	SR-75NRB	Rubber(Including B)						
	SR-75RHE	Conductive Rubber		25				
	SR-75N	Nylon	80(81.6)					
	SR-75BN	Black Nylon						
	SR-75UR	PU	70(71.4)	26				
	SR-75UHF	PU(Including B)						

Wheel Type

EL	RH	NR	NRB	RHE	N	BN	UR	UHF
Wheel: PP Tread: Elastomer	Wheel: Rubber Tread: Rubber	Wheel: Nylon Tread: Rubber	Wheel: Nylon Tread: Rubber (Including B)	Wheel: Conductive Rubber Tread: Conductive Rubber	Wheel: Nylon Tread: Nylon	Wheel: Black Nylon Tread: Black Nylon	Wheel: Nylon Tread: PU	Wheel: Nylon Tread: PU (Including B)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
100	**SR-100EL**	Elastomer	50(51.0)	27	122	100×58	82×40	8.8
	SR-100RH	Rubber		25				
	SR-100NR		60(61.2)	27				
	SR-100NRB	Rubber(Including B)						
	SR-100RHE	Conductive Rubber	50(51.0)	25				
	SR-100N	Nylon	60(61.2)					
	SR-100BN	Black Nylon						
	SR-100UR	PU		28				
	SR-100UHF	PU(Including B)						

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

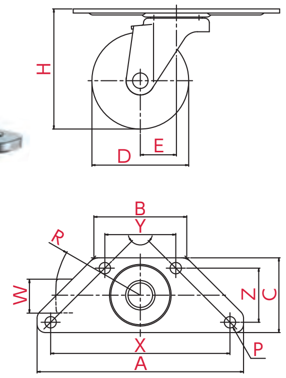
SGC Type

Swivel **Plate Type**

ϕ 50 65 75 100

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SGC-75EL,ϕ8.8



Mounting Method **Plate Type**

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	SGC	-	75	EL	,	ϕ8.8
	Bracket Type		Wheel Diameter	Wheel Type		Hole Diameter

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	SGC-50EL,ϕ8.8	Elastomer	35(35.7)	27	70	160×72×58	139×55×42	8.8	27	53
	SGC-50RH,ϕ8.8	Rubber	50(51.0)	28						
	SGC-50N,ϕ8.8	Nylon	60(61.2)							
	SGC-50BN,ϕ8.8	Black Nylon								
	SGC-50UR,ϕ8.8	PU		25						
65	SGC-65EL,ϕ8.8	Elastomer	40(40.8)	27	85	160×72×58	139×55×42	8.8	27	60
	SGC-65RH,ϕ8.8	Rubber	50(51.0)	25						
	SGC-65RHE,ϕ8.8	Conductive Rubber								
	SGC-65N,ϕ8.8	Nylon	70(71.4)							
	SGC-65BN,ϕ8.8	Black Nylon								
	SGC-65UR,ϕ8.8	PU	60(61.2)							
75	SGC-75EL,ϕ8.8	Elastomer	50(51.0)	27	93	160×72×58	139×55×42	8.8	28	66
	SGC-75RH,ϕ8.8	Rubber	60(61.2)	25						
	SGC-75NR,ϕ8.8			27						
	SGC-75NRB,ϕ8.8	Rubber(Including B)								
	SGC-75RHE,ϕ8.8	Conductive Rubber		25						
	SGC-75N,ϕ8.8	Nylon	80(81.6)							
	SGC-75BN,ϕ8.8	Black Nylon								
	SGC-75UR,ϕ8.8	PU	70(71.4)	26						
	SGC-75UHF,ϕ8.8	PU(Including B)								
100	SGC-100RH,ϕ8.8	Rubber	50(51.0)	25	122	160×72×58	139×55×42	8.8	31	82
	SGC-100RHE,ϕ8.8	Conductive Rubber								
	SGC-100N,ϕ8.8	Nylon	60(61.2)							
	SGC-100UR,ϕ8.8	PU		28						

Wheel Type

EL	RH	NR	NRB	RHE	N	BN	UR	UHF
Wheel: PP Tread: Elastomer	Wheel: Rubber Tread: Rubber	Wheel: Nylon Tread: Rubber	Wheel: Nylon Tread: Rubber (Including B)	Wheel: Conductive Rubber Tread: Conductive Rubber	Wheel: Nylon Tread: Nylon	Wheel: Black Nylon Tread: Black Nylon	Wheel: Nylon Tread: PU	Wheel: Nylon Tread: PU (Including B)

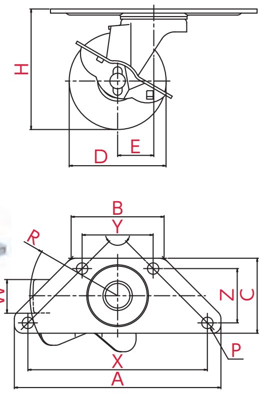
G-type
L-type
E-type
M-type
S-type
J-type
PM-type
H-type
AF-type
NP-type
SKY-type
SILENT-type
OTHER

SGC-S Type

Swivel | Plate Type

ϕ 50 65 75 100

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper



Mounting Method | Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	SGC	-	75	EL	S	,	ϕ8.8
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Hole Diameter

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	SGC-50ELS,ϕ8.8	Elastomer	35(35.7)	27	70	160×72×58	139×55×42	8.8	27	67
	SGC-50RHS,ϕ8.8	Rubber	50(51.0)	28						
	SGC-50NS,ϕ8.8	Nylon	60(61.2)							
	SGC-50BNS,ϕ8.8	Black Nylon								
	SGC-50URS,ϕ8.8	PU		25						
65	SGC-65ELS,ϕ8.8	Elastomer	40(40.8)	27	85	160×72×58	139×55×42	8.8	27	68
	SGC-65RHS,ϕ8.8	Rubber	50(51.0)	25						
	SGC-65RHES,ϕ8.8	Conductive Rubber								
	SGC-65NS,ϕ8.8	Nylon	70(71.4)							
	SGC-65BNS,ϕ8.8	Black Nylon								
	SGC-65URS,ϕ8.8	PU	60(61.2)							
75	SGC-75ELS,ϕ8.8	Elastomer	50(51.0)	27	93	160×72×58	139×55×42	8.8	28	68
	SGC-75RHS,ϕ8.8	Rubber	60(61.2)	25						
	SGC-75NRS,ϕ8.8			27						
	SGC-75NRBDS,ϕ8.8	Rubber(Including B)								70
	SGC-75RHES,ϕ8.8	Conductive Rubber		25						68
	SGC-75NS,ϕ8.8	Nylon	80(81.6)							
	SGC-75BNS,ϕ8.8	Black Nylon								
	SGC-75URS,ϕ8.8	PU	70(71.4)	26						
	SGC-75UHFDS,ϕ8.8	PU(Including B)								70
100	SGC-100RHS,ϕ8.8	Rubber	50(51.0)	25	122	160×72×58	139×55×42	8.8	31	82
	SGC-100RHES,ϕ8.8	Conductive Rubber								
	SGC-100NS,ϕ8.8	Nylon	60(61.2)							
	SGC-100URS,ϕ8.8	PU		28						

Wheel Type

EL	RH	NR	NRB	RHE	N	BN	UR	UHF
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Nylon Tread:Rubber (Including B)	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Nylon Tread:Nylon	Wheel:Black Nylon Tread:Black Nylon	Wheel:Nylon Tread:PU	Wheel:Nylon Tread:PU (Including B)

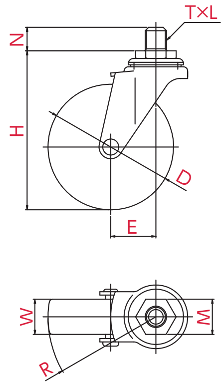
LT Type

Swivel · Screw-In Type

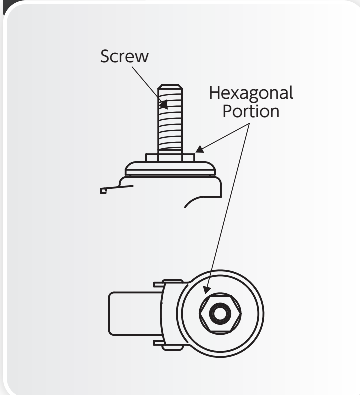
ϕ 40 50 65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

LT-75EL,M12×35



Mounting Method: Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: LT - 75 EL , M12 x 35

LT: Bracket Type · 75: Wheel Diameter · EL: Wheel Type · M12: Screw Diameter · 35: Screw Length

Please set "Screw Diameter × Screw Length" after product name

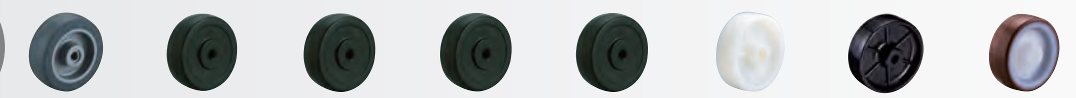
Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
40	**LT-40R**	Rubber	25(25.5)	17	59	M12×14 M12×35 UNF1/2×14 W3/8×14	1.25 1.75 20TPI 16TPI	19 19 21 17	21	41
	LT-40N	Nylon	30(30.6)	18						
	LT-40BN	Black Nylon								
50	**LT-50EL**	Elastomer	25(25.5)	20	68	M12×14 M12×35 UNF1/2×14 W3/8×14	1.25 1.75 20TPI 16TPI	19 19 21 17	22	47
	LT-50R	Rubber	30(30.6)							
	LT-50RE	Conductive Rubber								
	LT-50N	Nylon		21						
	LT-50BN	Black Nylon								
	LT-50UR	PU								
65	**LT-65EL**	Elastomer	30(30.6)	21	85	M12×14 M12×35 UNF1/2×14 W3/8×14*	1.25 1.75 20TPI 16TPI	19 19 21 17	23	56
	LT-65RH	Rubber								
	LT-65RHE	Conductive Rubber								
	LT-65N	Nylon	40(40.8)							
	LT-65BN	Black Nylon								
	LT-65UR	PU								
75	**LT-75EL**	Elastomer	30(30.6)	21	95	M12×14 M12×35 UNF1/2×14 W3/8×14*	1.25 1.75 20TPI 16TPI	19 19 21 17	27	65
	LT-75RH	Rubber	40(40.8)							
	LT-75RHE	Conductive Rubber								
	LT-75N	Nylon	50(51.0)							
	LT-75BN	Black Nylon								
	LT-75UR	PU	45(45.9)							

*Load capacity of W3/8 size has 35daN(35.7kgf).

M8 and M10 size are also available.

Wheel Type



EL	R	RH	RE	RHE	N	BN	UR
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Rubber Tread:Rubber	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Nylon Tread:Nylon	Wheel:Black Nylon Tread:Black Nylon	Wheel:Nylon Tread:PU

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

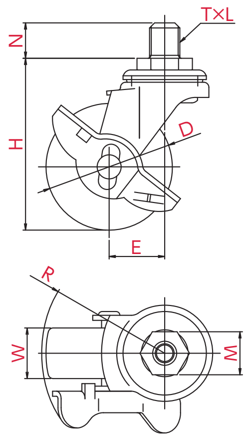
LT-S Type

Swivel | Screw-In Type

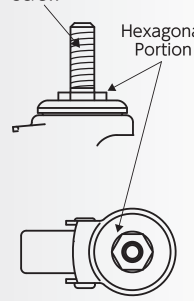
ϕ 40 50 65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

LT-75ELS,M12×35



Mounting Method | Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	LT	-	75	EL	S	,	M12	×	35
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

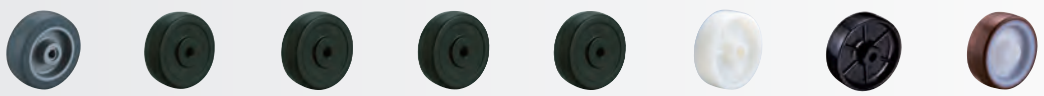
Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
40	LT-40RS	Rubber	25(25.5)	17	59	M12×14 M12×35 UNF1/2×14 W3/8×14	1.25 1.75 20TPI 16TPI	19 19 21 17	21	50
	LT-40NS	Nylon	30(30.6)	18						
	LT-40BNS	Black Nylon								
50	LT-50ELS	Elastomer	25(25.5)	20	68	M12×14 M12×35 UNF1/2×14 W3/8×14	1.25 1.75 20TPI 16TPI	19 19 21 17	22	49
	LT-50RS	Rubber	30(30.6)							
	LT-50RES	Conductive Rubber								
	LT-50NS	Nylon		21						
	LT-50BNS	Black Nylon								
	LT-50URS	PU								
65	LT-65ELS	Elastomer	30(30.6)	21	85	M12×14 M12×35 UNF1/2×14 W3/8×14*	1.25 1.75 20TPI 16TPI	19 19 21 17	23	57
	LT-65RHS	Rubber								
	LT-65RHES	Conductive Rubber								
	LT-65NS	Nylon	40(40.8)							
	LT-65BNS	Black Nylon								
	LT-65URS	PU								
75	LT-75ELS	Elastomer	30(30.6)	21	95	M12×14 M12×35 UNF1/2×14 W3/8×14*	1.25 1.75 20TPI 16TPI	19 19 21 17	27	65
	LT-75RHS	Rubber	40(40.8)							
	LT-75RHES	Conductive Rubber								
	LT-75NS	Nylon	50(51.0)							
	LT-75BNS	Black Nylon								
	LT-75URS	PU	45(45.9)							

*Load capacity of W3/8 size has 35daN(35.7kgf).

M8 and M10 size are also available.

Wheel Type



EL	R	RH	RE	RHE	N	BN	UR
Wheel: PP Tread: Elastomer	Wheel: Rubber Tread: Rubber	Wheel: Rubber Tread: Rubber	Wheel: Conductive Rubber Tread: Conductive Rubber	Wheel: Conductive Rubber Tread: Conductive Rubber	Wheel: Nylon Tread: Nylon	Wheel: Black Nylon Tread: Black Nylon	Wheel: Nylon Tread: PU

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

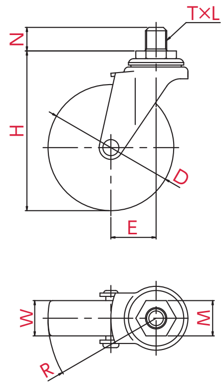
ET Type

Swivel | Screw-In Type

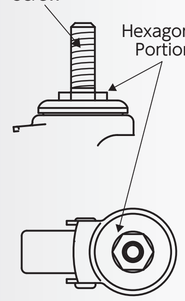
ϕ 50 65 75 100 125

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

ET-100N,M16×40



Mounting Method | Screw-In Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	ET	-	100	N	,	M16	x	40
	Bracket Type		Wheel Diameter	Wheel Type		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	**ET-50EL**	Elastomer	25(25.5)	20	68	M12×35 UNF1/2×14 W3/8×14*	1.75 20TPI 16TPI	19 21 17	22	47
	ET-50R	Rubber	30(30.6)							
	ET-50RE	Conductive Rubber								
	ET-50N	Nylon	40(40.8)	21						
	ET-50UR	PU	38(38.8)							
65	**ET-65EL**	Elastomer	30(30.6)	21	85	M12×35 UNF1/2×14 W3/8×14*	1.75 20TPI 16TPI	19 21 17	23	56
	ET-65RH	Rubber								
	ET-65RHE	Conductive Rubber								
	ET-65N	Nylon	40(40.8)							
	ET-65UR	PU								
75	**ET-75EL**	Elastomer	30(30.6)	21	95	M12×35 UNF1/2×14 W3/8×14*	1.75 20TPI 16TPI	19 21 17	27	65
	ET-75RH	Rubber	40(40.8)							
	ET-75RHE	Conductive Rubber								
	ET-75N	Nylon	50(51.0)							
	ET-75UR	PU	45(45.9)							
100	**ET-100EL**	Elastomer	50(51.0)	27	126	M12×35 M16×40 UNF1/2×25 W3/4×40	1.75 2 20TPI 10TPI	21 23 21 23	31	82
	ET-100RH	Rubber		25						
	ET-100NR		60(61.2)	27						
	ET-100NRB	Rubber(Including B)								
	ET-100RHE	Conductive Rubber	50(51.0)	25						
	ET-100N	Nylon	60(61.2)							
	ET-100UR	PU		28						
	ET-100UHF	PU(Including B)								
125	**ET-125RH**	Rubber	50(51.0)	25	152	M12×35 M16×40 UNF1/2×25 W3/4×40	1.75 2 20TPI 10TPI	21 23 21 23	36	99
	ET-125UR	PU	60(61.2)	32						

*Load capacity of W3/8 size has 35daN(35.7kgf). M8 and M10 size are also available.

Wheel Type

EL	R/RH	NR	NRB	RE	RHE	N	UR	UHF
Wheel: PP Tread: Elastomer	Wheel: Rubber Tread: Rubber	Wheel: Nylon Tread: Rubber	Wheel: Nylon Tread: Rubber (Including B)	Wheel: Conductive Rubber Tread: Conductive Rubber	Wheel: Conductive Rubber Tread: Conductive Rubber	Wheel: Nylon Tread: Nylon	Wheel: Nylon Tread: PU	Wheel: Nylon Tread: PU (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

ET-S Type

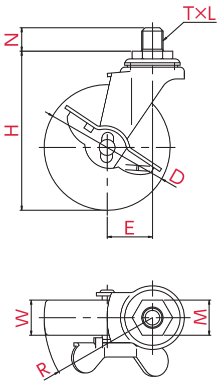
Swivel | Screw-In Type

ϕ 50 65 75 100 125

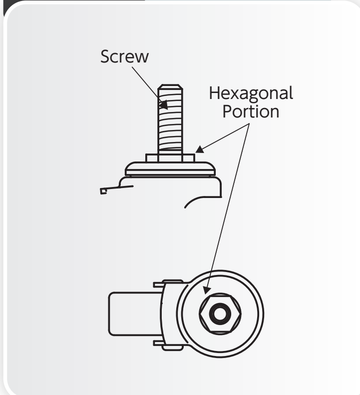
BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

ET-100NS,M16×40

ET-100NRBDS,M16×40



Mounting Method | Screw-In Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	ET	-	100	N	S	,	M16	x	40
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	ET-50ELS	Elastomer	25(25.5)	20	68	M12×35 UNF1/2×14 W3/8×14*	1.75 20TPI 16TPI	19 21 17	22	49
	ET-50RS	Rubber	30(30.6)							
	ET-50RES	Conductive Rubber								
	ET-50NS	Nylon	40(40.8)	21						
	ET-50URS	PU	38(38.8)							
65	ET-65ELS	Elastomer	30(30.6)	21	85	M12×35 UNF1/2×14 W3/8×14*	1.75 20TPI 16TPI	19 21 17	23	57
	ET-65RHS	Rubber								
	ET-65RHES	Conductive Rubber								
	ET-65NS	Nylon	40(40.8)							
	ET-65URS	PU								
75	ET-75ELS	Elastomer	30(30.6)	21	95	M12×35 UNF1/2×14 W3/8×14*	1.75 20TPI 16TPI	19 21 17	27	65
	ET-75RHS	Rubber	40(40.8)							
	ET-75RHES	Conductive Rubber								
	ET-75NS	Nylon	50(51.0)							
	ET-75URS	PU	45(45.9)							
100	ET-100ELS	Elastomer	50(51.0)	27	126	M12×35 M16×40 UNF1/2×25 W3/4×40	1.75 2 20TPI 10TPI	21 23 21 23	31	82
	ET-100RHS	Rubber		25						
	ET-100NRS		60(61.2)	27						
	ET-100NRBDS	Rubber(Including B)								
	ET-100RHES	Conductive Rubber	50(51.0)	25						
	ET-100NS	Nylon	60(61.2)							
	ET-100URS	PU		28						
	ET-100UHFDS	PU(Including B)								
125	ET-125RHS	Rubber	50(51.0)	25	152	M12×35 M16×40 UNF1/2×25 W3/4×40	1.75 2 20TPI 10TPI	21 23 21 23	36	99
	ET-125URS	PU	60(61.2)	32						

∗Load capacity of W3/8 size has 35daN(35.7kgf). M8 and M10 size are also available.

Wheel Type

EL	R/RH	NR	NRB	RE	RHE	N	UR	UHF
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Nylon Tread:Rubber (Including B)	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Nylon Tread:Nylon	Wheel:Nylon Tread:PU	Wheel:Nylon Tread:PU (Including B)

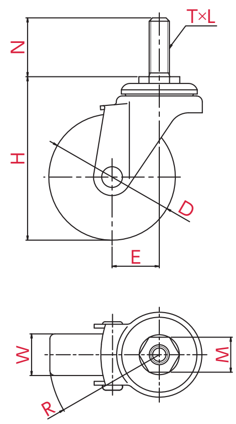
ST Type

Swivel | Screw-In Type

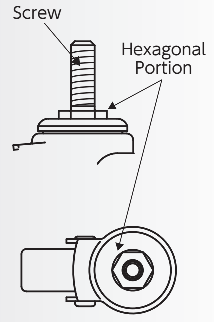
ϕ 50 65 75 100

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

ST-75BN,M16×40



Mounting Method | Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	ST	-	75	BN	,	M16	x	40
	Bracket Type		Wheel Diameter	Wheel Type		Screw Diameter		Screw Length

Please set "Screw Diameter × Screw Length" after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	ST-50EL	Elastomer	35(35.7)	27	74	M12×35 M16×40 UNF1/2×25 W3/4×40	1.75 2 20TPI 10TPI	21 23 21 23	27	53
	ST-50RH	Rubber	50(51.0)	28						
	ST-50N	Nylon	60(61.2)							
	ST-50BN	Black Nylon								
	ST-50UR	PU		25						
65	ST-65EL	Elastomer	40(40.8)	27	89	M12×35 M16×40 UNF1/2×25 W3/4×40	1.75 2 20TPI 10TPI	21 23 21 23	27	61
	ST-65RH	Rubber	50(51.0)	25						
	ST-65RHE	Conductive Rubber								
	ST-65N	Nylon	70(71.4)							
	ST-65BN	Black Nylon								
	ST-65UR	PU	60(61.2)							
75	ST-75EL	Elastomer	50(51.0)	27	97	M12×35 M16×40 UNF1/2×25 W3/4×40	1.75 2 20TPI 10TPI	21 23 21 23	28	66
	ST-75RH	Rubber	60(61.2)	25						
	ST-75NR			27						
	ST-75NRB	Rubber(Including B)								
	ST-75RHE	Conductive Rubber		25						
	ST-75N	Nylon	80(81.6)							
	ST-75BN	Black Nylon								
	ST-75UR	PU	70(71.4)	26						
	ST-75UHF	PU(Including B)								
100	ST-100EL	Elastomer	50(51.0)	27	126	M12×35 M16×40 UNF1/2×25 W3/4×40	1.75 2 20TPI 10TPI	21 23 21 23	31	82
	ST-100RH	Rubber		25						
	ST-100NR		60(61.2)	27						
	ST-100NRB	Rubber(Including B)								
	ST-100RHE	Conductive Rubber	50(51.0)	25						
	ST-100N	Nylon	60(61.2)							
	ST-100BN	Black Nylon								
	ST-100UR	PU		28						
	ST-100UHF	PU(Including B)								

Wheel Type

EL	RH	NR	NRB	RHE	N	BN	UR	UHF
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Nylon Tread:Rubber (Including B)	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Nylon Tread:Nylon	Wheel:Black Nylon Tread:Black Nylon	Wheel:Nylon Tread:PU	Wheel:Nylon Tread:PU (Including B)

ST-S Type

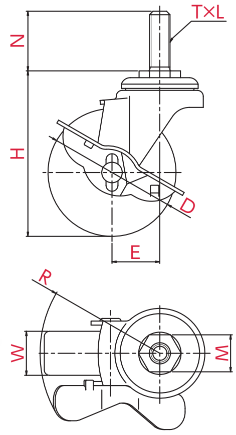
Swivel | Screw-In Type

ϕ 50 65 75 100

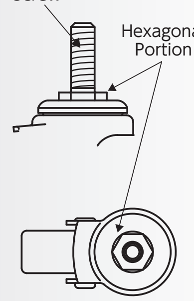
BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

ST-75BNS,M16×40

ST-75NRBDS,M16×40



Mounting Method | Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	ST	-	75	BN	S	,	M16	x	40
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
	ST-50ELS	Elastomer	35(35.7)	27						
	ST-50RHS	Rubber	50(51.0)							
50	ST-50NS	Nylon		28	74	M12×35 M16×40 UNF1/2×25 W3/4×40	1.75 2 20TPI 10TPI	21 23 21 23	27	67
	ST-50BNS	Black Nylon	60(61.2)							
	ST-50URS	PU		25						
	ST-65ELS	Elastomer	40(40.8)	27						
	ST-65RHS	Rubber	50(51.0)							
	ST-65RHES	Conductive Rubber								
65	ST-65NS	Nylon	70(71.4)	25	89	M12×35 M16×40 UNF1/2×25 W3/4×40	1.75 2 20TPI 10TPI	21 23 21 23	27	68
	ST-65BNS	Black Nylon								
	ST-65URS	PU	60(61.2)							
	ST-75ELS	Elastomer	50(51.0)	27						
	ST-75RHS	Rubber		25						68
	ST-75NRS									
	ST-75NRBDS	Rubber(Including B)	60(61.2)	27						70
75	ST-75RHES	Conductive Rubber			97	M12×35 M16×40 UNF1/2×25 W3/4×40	1.75 2 20TPI 10TPI	21 23 21 23	28	
	ST-75NS	Nylon		25						
	ST-75BNS	Black Nylon	80(81.6)							68
	ST-75URS	PU								
	ST-75UHFDS	PU(Including B)	70(71.4)	26						70
	ST-100ELS	Elastomer		27						
	ST-100RHS	Rubber	50(51.0)	25						
	ST-100NRS									
	ST-100NRBDS	Rubber(Including B)	60(61.2)	27						
100	ST-100RHES	Conductive Rubber	50(51.0)		126	M12×35 M16×40 UNF1/2×25 W3/4×40	1.75 2 20TPI 10TPI	21 23 21 23	31	82
	ST-100NS	Nylon		25						
	ST-100BNS	Black Nylon								
	ST-100URS	PU	60(61.2)							
	ST-100UHFDS	PU(Including B)		28						

Wheel Type

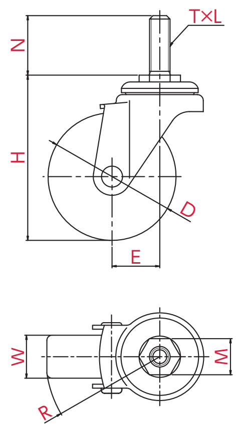
EL	RH	NR	NRB	RHE	N	BN	UR	UHF
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Nylon Tread:Rubber (Including B)	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Nylon Tread:Nylon	Wheel:Black Nylon Tread:Black Nylon	Wheel:Nylon Tread:PU	Wheel:Nylon Tread:PU (Including B)

ST Special Type ϕ75 100

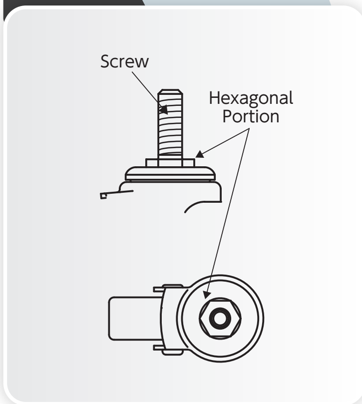
Swivel | Screw-In Type

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

ST-100NRB(H132),M16×40



Mounting Method | Screw-In Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: ST - 100 NRB (H132) , M16 x 40

ST = Bracket Type, 100 = Wheel Diameter, NRB = Wheel Type, (H132) = Bracket Type, M16 = Screw Diameter, 40 = Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
75	ST-75NRB(H104)	Rubber(Including B)	70(71.4)	27	104	M12×35	1.75	21	26	65
	ST-75NU(H104)	PU		25		M16×40	2	23		
	ST-75UHF(H104)	PU(Including B)		26						
100	ST-100NRB(H132)	Rubber(Including B)	70(71.4)	27	132	M12×35	1.75	21	29	80
	ST-100NU(H132)	PU		25		M16×40	2	23		
	ST-100UHF(H132)	PU(Including B)		28						

Wheel Type

NRB
Wheel:Nylon
Tread:Rubber (Including B)

NU
Wheel:Nylon
Tread:PU

UHF
Wheel:Nylon
Tread:PU (Including B)

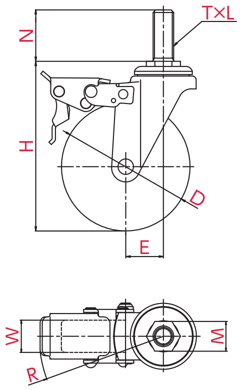
G-type | L-type | E-type | M-type | S-type | J-type | PM-type | H-type | AF-type | NP-type | SKY-type | SILENT-type | OTHER

ST-SW Special Type

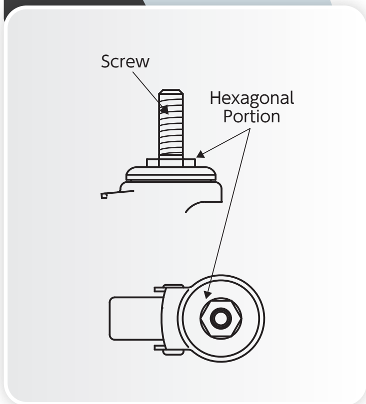
Swivel | Screw-In Type

ϕ 75 100

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper



Mounting Method — Screw-In Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	ST	-	100	NRB	SW-1	,	M16	x	40
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
75	ST-75NRBSW-1	Rubber(Including B)	70(71.4)	27	104	M12×35 M16×40	1.75 2	21 23	26	92
	ST-75NRBSW-2									104
	ST-75NRBSW-3									96
	ST-75NUSW-1	PU		25						92
	ST-75NUSW-2									104
	ST-75NUSW-3									96
	ST-75UHFSW-1	PU(Including B)		26						92
	ST-75UHFSW-2									104
	ST-75UHFSW-3									96
100	ST-100NRBSW-1	Rubber(Including B)	70(71.4)	27	132	M12×35 M16×40	1.75 2	21 23	29	93
	ST-100NRBSW-2									95
	ST-100NRBSW-3									97
	ST-100NUSW-1	PU		25						93
	ST-100NUSW-2									95
	ST-100NUSW-3									97
	ST-100UHFSW-1	PU(Including B)		28						93
	ST-100UHFSW-2									95
	ST-100UHFSW-3									97

SW-1……Equipped plastic stopper
SW-2……Equipped plastic stopper and release lever
SW-3……Equipped steel stopper and release lever

Wheel Type

NRB	NU	UHF
Wheel: Nylon Tread: Rubber (Including B)	Wheel: Nylon Tread: PU	Wheel: Nylon Tread: PU (Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

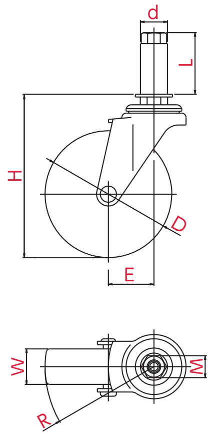
LTF Type

Swivel · Insertion Type

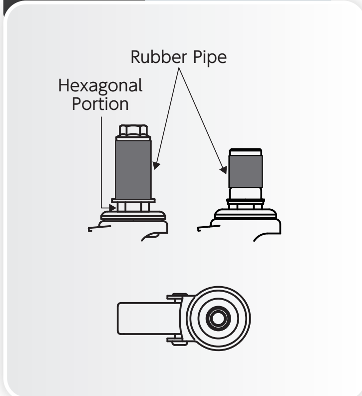
ϕ 40 50 65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper


LTF-75N,ϕ22



Mounting Method: Insertion Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

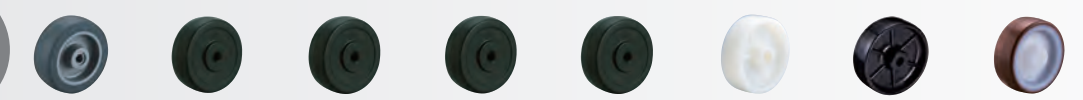
Order Example: LTF (Bracket Type) - 75 (Wheel Diameter) N (Wheel Type) , ϕ 22 (Pipe Diameter)

Please set "Pipe Diameter" after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Pipe Diameter (d[mm])	Pipe Length (L[mm])	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
40	LTF-40R	Rubber	20(20.4)	17	60	16 18 22 24P	38 38 38 38	14 14 14 14	21	41
	LTF-40N	Nylon	30(30.6)	18						
	LTF-40BN	Black Nylon								
50	LTF-50EL	Elastomer	25(25.5)	20	70	16 18 22 24P	38 38 38 38	14 14 14 14	22	47
	LTF-50R	Rubber	30(30.6)							
	LTF-50RE	Conductive Rubber								
	LTF-50N	Nylon	40(40.8)	21						
	LTF-50BN	Black Nylon								
	LTF-50UR	PU	30(30.6)							
65	LTF-65EL	Elastomer	30(30.6)	21	87	16 18 22 24P	38 38 38 38	14 14 14 14	23	56
	LTF-65RH	Rubber								
	LTF-65RHE	Conductive Rubber								
	LTF-65N	Nylon	40(40.8)							
	LTF-65BN	Black Nylon								
	LTF-65UR	PU	35(35.7)							
75	LTF-75EL	Elastomer	30(30.6)	21	97	16 18 22 24P	38 38 38 38	14 14 14 14	27	65
	LTF-75RH	Rubber	40(40.8)							
	LTF-75RHE	Conductive Rubber								
	LTF-75N	Nylon	50(51.0)							
	LTF-75BN	Black Nylon								
	LTF-75UR	PU	45(45.9)							

Wheel Type



EL	R	RH	RE	RHE	N	BN	UR
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Rubber Tread:Rubber	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Nylon Tread:Nylon	Wheel:Black Nylon Tread:Black Nylon	Wheel:Nylon Tread:PU

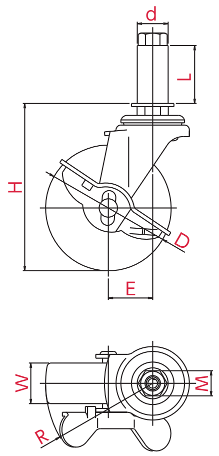
LTF-S Type

Swivel | Insertion Type

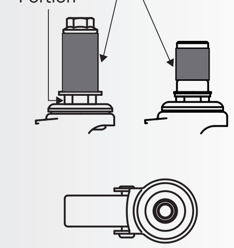
ϕ 40 50 65 75

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

LTF-75NS,ϕ22



Mounting Method | Insertion Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	LTF	-	75	N	S	, ϕ	22
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Pipe Diameter

Please set "Pipe Diameter" after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Pipe Diameter (d[mm])	Pipe Length (L[mm])	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
40	LTF-40RS	Rubber	20(20.4)	17	60	16 18 22 24P	38 38 38 38	14 14 14 14	21	50
	LTF-40NS	Nylon	30(30.6)	18						
	LTF-40BNS	Black Nylon								
50	LTF-50ELS	Elastomer	25(25.5)	20	70	16 18 22 24P	38 38 38 38	14 14 14 14	22	49
	LTF-50RS	Rubber	30(30.6)							
	LTF-50RES	Conductive Rubber								
	LTF-50NS	Nylon	40(40.8)	21						
	LTF-50BNS	Black Nylon								
	LTF-50URS	PU	30(30.6)							
65	LTF-65ELS	Elastomer	30(30.6)	21	87	16 18 22 24P	38 38 38 38	14 14 14 14	23	57
	LTF-65RHS	Rubber								
	LTF-65RHES	Conductive Rubber								
	LTF-65NS	Nylon	40(40.8)							
	LTF-65BNS	Black Nylon								
	LTF-65URS	PU	35(35.7)							
75	LTF-75ELS	Elastomer	30(30.6)	21	97	16 18 22 24P	38 38 38 38	14 14 14 14	27	65
	LTF-75RHS	Rubber	40(40.8)							
	LTF-75RHES	Conductive Rubber								
	LTF-75NS	Nylon	50(51.0)							
	LTF-75BNS	Black Nylon								
	LTF-75URS	PU	45(45.9)							

Wheel Type

EL	R	RH	RE	RHE	N	BN	UR
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Rubber Tread:Rubber	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Nylon Tread:Nylon	Wheel:Black Nylon Tread:Black Nylon	Wheel:Nylon Tread:PU

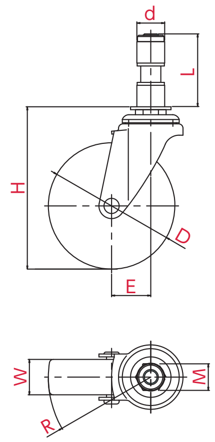
ETF Type

Swivel | Insertion Type

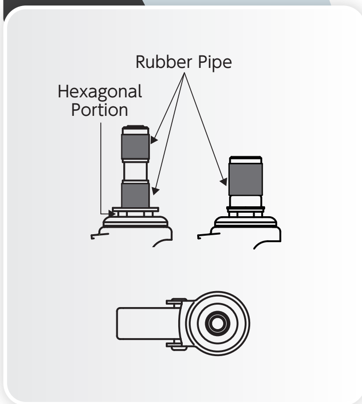
ϕ 100 125

BZP(Brilliant Zinc Plating) | **CP(Chromium Plating)**
Single Bearing | **Double Bearing**
Single Stopper | Double Stopper

ETF-100N,ϕ22



Mounting Method | Insertion Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- **Display Rack**
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: **ETF** - **100** **N** , **ϕ** **22**

(ETF: Bracket Type; 100: Wheel Diameter; N: Wheel Type; 22: Pipe Diameter)

Please set **"Pipe Diameter"** after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Pipe Diameter (d[mm])	Pipe Length (L[mm])	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
100	**ETF-100EL**	Elastomer	50(51.0)	27	128	19 22 35P	60 60 60	21 21 21	31	82
	ETF-100RH	Rubber		25						
	ETF-100NR		60(61.2)	27						
	ETF-100NRB	Rubber(Including B)								
	ETF-100N	Nylon		25						
	ETF-100UR	PU		28						
	ETF-100UHF	PU(Including B)								
125	**ETF-125RH**	Rubber	50(51.0)	25	154	19 22 35P	60 60 60	21 21 21	36	99
	ETF-125UR	PU	60(61.2)	32						

Wheel Type

EL	RH	NR	NRB	N	UR	UHF
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Nylon Tread:Rubber (Including B)	Wheel:Nylon Tread:Nylon	Wheel:Nylon Tread:PU	Wheel:Nylon Tread:PU (Including B)

ETF-S Type

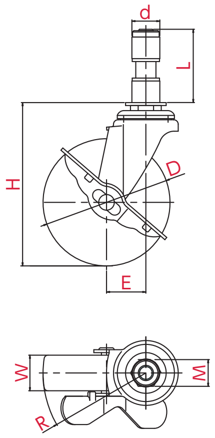
Swivel | Insertion Type

ϕ 100 125

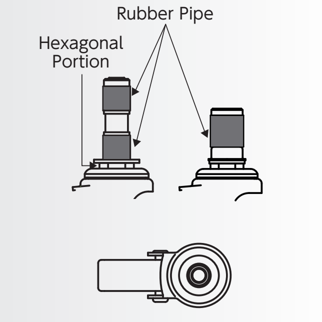
BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

ETF-100NS,ϕ22

ETF-100NRBDS,ϕ22



Mounting Method | Insertion Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	ETF	-	100	N	S	, ϕ	22
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Pipe Diameter

Please set "Pipe Diameter" after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Pipe Diameter (d[mm])	Pipe Length (L[mm])	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
100	**ETF-100ELS**	Elastomer	50(51.0)	27	128	19 22 35P	60 60 60	21 21 21	31	82
	ETF-100RHS	Rubber		25						
	ETF-100NRS		60(61.2)	27						
	ETF-100NRBDS	Rubber(Including B)								
	ETF-100NS	Nylon		25						
	ETF-100URS	PU		28						
	ETF-100UHFDS	PU(Including B)								
125	**ETF-125RHS**	Rubber	50(51.0)	25	154	19 22 35P	60 60 60	21 21 21	36	99
	ETF-125URS	PU	60(61.2)	32						

Wheel Type

EL	RH	NR	NRB	N	UR	UHF
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Nylon Tread:Rubber (Including B)	Wheel:Nylon Tread:Nylon	Wheel:Nylon Tread:PU	Wheel:Nylon Tread:PU (Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

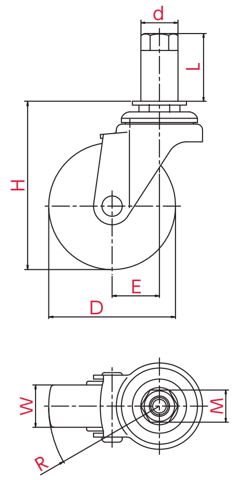
STF Type

Swivel | Insertion Type

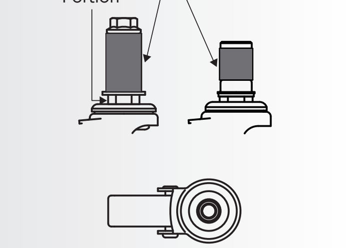
ϕ 50 65 75

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

STF-75BN,ϕ24P



Mounting Method | Insertion Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: STF - 75 BN , ϕ 24P
(STF: Bracket Type; 75: Wheel Diameter; BN: Wheel Type; 24P: Pipe Diameter)

Please set "Pipe Diameter" after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Pipe Diameter (d[mm])	Pipe Length (L[mm])	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	STF-50EL	Elastomer	35(35.7)	27	77	22 24P 35P	40 40 60	21 21 21	27	53
50	STF-50RH	Rubber	50(51.0)	28	77	22 24P 35P	40 40 60	21 21 21	27	53
50	STF-50N	Nylon	60(61.2)	28	77	22 24P 35P	40 40 60	21 21 21	27	53
50	STF-50BN	Black Nylon	60(61.2)	28	77	22 24P 35P	40 40 60	21 21 21	27	53
50	STF-50UR	PU	60(61.2)	25	77	22 24P 35P	40 40 60	21 21 21	27	53
65	STF-65EL	Elastomer	40(40.8)	27	92	22 24P 35P	40 40 60	21 21 21	27	61
65	STF-65RH	Rubber	50(51.0)	25	92	22 24P 35P	40 40 60	21 21 21	27	61
65	STF-65RHE	Conductive Rubber	50(51.0)	25	92	22 24P 35P	40 40 60	21 21 21	27	61
65	STF-65N	Nylon	70(71.4)	25	92	22 24P 35P	40 40 60	21 21 21	27	61
65	STF-65BN	Black Nylon	70(71.4)	25	92	22 24P 35P	40 40 60	21 21 21	27	61
65	STF-65UR	PU	60(61.2)	25	92	22 24P 35P	40 40 60	21 21 21	27	61
75	STF-75EL	Elastomer	50(51.0)	27	100	22 24P 35P	40 40 60	21 21 21	28	66
75	STF-75RH	Rubber	60(61.2)	25	100	22 24P 35P	40 40 60	21 21 21	28	66
75	STF-75NR	Rubber	60(61.2)	27	100	22 24P 35P	40 40 60	21 21 21	28	66
75	STF-75NRB	Rubber(Including B)	60(61.2)	27	100	22 24P 35P	40 40 60	21 21 21	28	66
75	STF-75RHE	Conductive Rubber	60(61.2)	25	100	22 24P 35P	40 40 60	21 21 21	28	66
75	STF-75N	Nylon	70(71.4)	25	100	22 24P 35P	40 40 60	21 21 21	28	66
75	STF-75BN	Black Nylon	70(71.4)	25	100	22 24P 35P	40 40 60	21 21 21	28	66
75	STF-75UR	PU	70(71.4)	26	100	22 24P 35P	40 40 60	21 21 21	28	66
75	STF-75UHF	PU(Including B)	70(71.4)	26	100	22 24P 35P	40 40 60	21 21 21	28	66

Wheel Type

EL	RH	NR	NRB	RHE	N	BN	UR	UHF
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Nylon Tread:Rubber (Including B)	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Nylon Tread:Nylon	Wheel:Black Nylon Tread:Black Nylon	Wheel:Nylon Tread:PU	Wheel:Nylon Tread:PU (Including B)

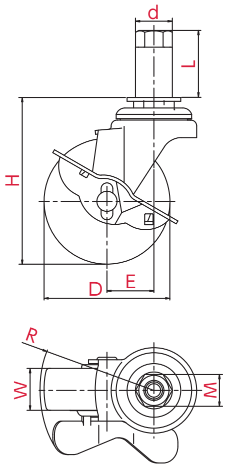
STF-S Type

Swivel | Insertion Type | ϕ 50 65 75

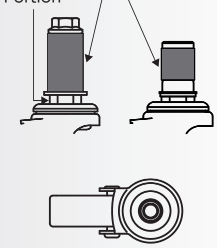
BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

STF-75BNS,ϕ24P

STF-75NRBDS,ϕ24



Mounting Method | Insertion Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	STF	-	75	BN	S	, ϕ	24P
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Pipe Diameter

Please set **"Pipe Diameter"** after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Pipe Diameter (d[mm])	Pipe Length (L[mm])	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
	STF-50ELS	Elastomer	35(35.7)	27						
	STF-50RHS	Rubber	50(51.0)							
50	**STF-50NS**	Nylon		28	77	22 24P 35P	40 40 60	21 21 21	27	67
	STF-50BNS	Black Nylon	60(61.2)							
	STF-50URS	PU		25						
	STF-65ELS	Elastomer	40(40.8)	27						
	STF-65RHS	Rubber	50(51.0)							
	STF-65RHES	Conductive Rubber				22	40	21		
65	**STF-65NS**	Nylon		25	92	24P 35P	40 60	21 21	27	68
	STF-65BNS	Black Nylon	70(71.4)							
	STF-65URS	PU	60(61.2)							
	STF-75ELS	Elastomer	50(51.0)	27						
	STF-75RHS	Rubber		25						68
	STF-75NRS									
	STF-75NRBDS	Rubber(Including B)	60(61.2)	27		22	40	21		70
75	**STF-75RHES**	Conductive Rubber			100	24P	40	21	28	
	STF-75NS	Nylon		25		35P	60	21		
	STF-75BNS	Black Nylon								68
	STF-75URS	PU	70(71.4)							
	STF-75UHFDS	PU(Including B)		26						70

Wheel Type

EL	RH	NR	NRB	RHE	N	BN	UR	UHF
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Nylon Tread:Rubber (Including B)	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Nylon Tread:Nylon	Wheel:Black Nylon Tread:Black Nylon	Wheel:Nylon Tread:PU	Wheel:Nylon Tread:PU (Including B)

Light Duty LIGHTSTAR | Medium Duty MIDDLESTAR | Heavy Duty HEAVYSTAR | Low-Profile Heavy Duty SHORTSTAR | Leveling LOCKSTAR | Stainless Steel STAINLESTAR | Towing LEADSTAR | Shock Absorbing SMOOSTAR | Silence SILENTSTAR | Office Equipment OFFICESTAR

SA Type

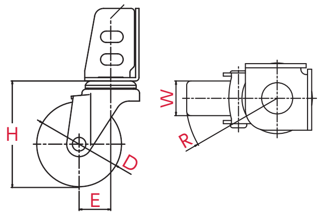
Swivel | Angle Type

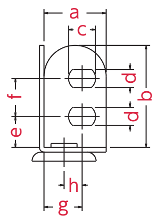
ϕ 50 65 75 100

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

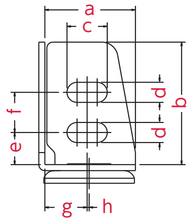
SA-100W

The picture is a typical product image.



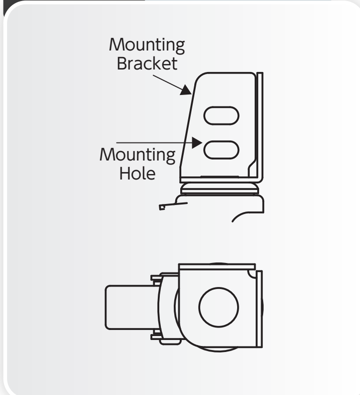


＊Wheel Diameter 50



＊Wheel Diameter 65~100

Mounting Method — Angle Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example

SA	-	100	W
Bracket Type		Wheel Diameter	Wheel Type

Angle Dimensions

Wheel Diameter (mm)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	g (mm)	h (mm)
50	31	51	13.5	9	15.5	19	19	4
65	45	61	20	10	16	20	21	1
75								
100								

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	**SA-50R**	Rubber	30(30.6)	20	65	22	47
	SA-50N	Nylon	40(40.8)	21			
65	**SA-65EL**	Elastomer	40(40.8)	27	88	27	61
	SA-65RH	Rubber	50(51.0)	25			
	SA-65N	Nylon	60(61.2)				
	SA-65UR	PU					
75	**SA-75EL**	Elastomer	50(51.0)	27	96	28	66
	SA-75RH	Rubber	60(61.2)	25			
	SA-75NR			27			
	SA-75NRB	Rubber(Including B)					
	SA-75N	Nylon		25			
	SA-75UR	PU		26			
	SA-75UHF	PU(Including B)					
100	**SA-100W-P**	Rubber	90(91.8)	32	132	32	83
	SA-100W	Rubber(Including B)					
	SA-100NR						
	SA-100N	Nylon					
	SA-100NB	Nylon(Including B)					
	SA-100UW	PU(Including B)					
	SA-100GU						

Wheel Type

- EL — Wheel:PP / Tread:Elastomer
- R — Wheel:Rubber / Tread:Rubber
- RH — Wheel:Rubber / Tread:Rubber
- W -P — Wheel:Steel / Tread:Rubber
- NR — Wheel:Nylon / Tread:Rubber
- W — Wheel:Steel / Tread:Rubber (Including B)
- NRB — Wheel:Nylon / Tread:Rubber (Including B)
- NR — Wheel:Nylon / Tread:Rubber (Including B)
- N — Wheel:Nylon / Tread:Nylon
- NB — Wheel:Nylon / Tread:Nylon (Including B)
- UR — Wheel:Nylon / Tread:PU
- UW — Wheel:Steel / Tread:PU (Including B)
- GU — Wheel:Nylon / Tread:PU (Including B)
- UHF — Wheel:Nylon / Tread:PU (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

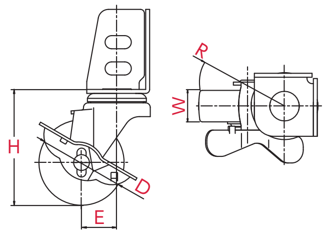
SA-S Type

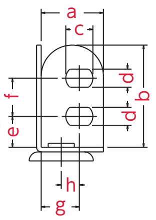
Swivel | Angle Type

ϕ 50 65 75 100

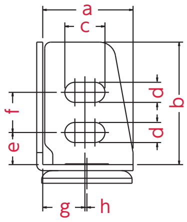
BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SA-100WS



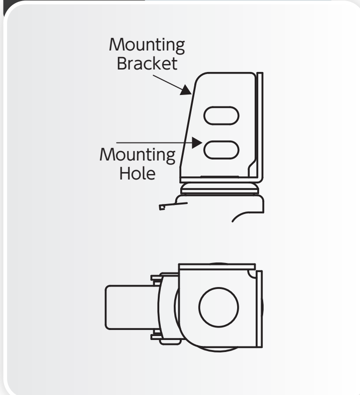


＊Wheel Diameter 50



＊Wheel Diameter 65~100

Mounting Method: Angle Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: SA - 100 W S

SA	-	100	W	S
Bracket Type		Wheel Diameter	Wheel Type	Stopper

Angle Dimensions

Wheel Diameter (mm)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	g (mm)	h (mm)
50	31	51	13.5	9	15.5	19	19	4
65	45	61	20	10	16	20	21	1
75								
100								

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	**SA-50RS**	Rubber	30(30.6)	20	65	22	49
	SA-50NS	Nylon	40(40.8)	21			
65	**SA-65ELS**	Elastomer	40(40.8)	27	88	27	68
	SA-65RHS	Rubber	50(51.0)	25			
	SA-65NS	Nylon	60(61.2)				
	SA-65URS	PU					
75	**SA-75ELS**	Elastomer	50(51.0)	27	96	28	68
	SA-75RHS	Rubber	60(61.2)	25			
	SA-75NRS			27			
	SA-75NRBDS	Rubber(Including B)					70
	SA-75NS	Nylon		25			68
	SA-75URS	PU		26			
	SA-75UHFDS	PU(Including B)					70
100	**SA-100WS-P**	Rubber	90(91.8)	32	132	32	86
	SA-100WS	Rubber(Including B)					
	SA-100NRS						
	SA-100NS	Nylon					
	SA-100NBS	Nylon(Including B)					
	SA-100UWS	PU(Including B)					
	SA-100GUS						

Wheel Type

- **EL** Wheel:PP Tread:Elastomer
- **R** Wheel:Rubber Tread:Rubber
- **RH** Wheel:Rubber Tread:Rubber
- **W -P** Wheel:Steel Tread:Rubber
- **NR** Wheel:Nylon Tread:Rubber
- **W** Wheel:Steel Tread:Rubber (Including B)
- **NRB** Wheel:Nylon Tread:Rubber (Including B)
- **NR** Wheel:Nylon Tread:Rubber (Including B)
- **N** Wheel:Nylon Tread:Nylon
- **NB** Wheel:Nylon Tread:Nylon (Including B)
- **UR** Wheel:Nylon Tread:PU
- **UW** Wheel:Steel Tread:PU (Including B)
- **GU** Wheel:Nylon Tread:PU (Including B)
- **UHF** Wheel:Nylon Tread:PU (Including B)

MIDDLESTAR

Smooth startability with established reputation, high quality model.

LINEUP ・M-type ・J-type

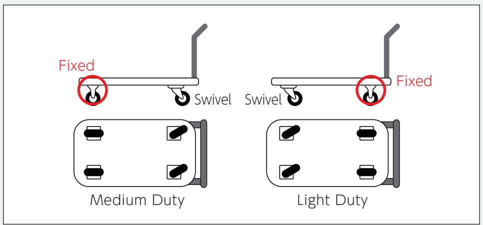
MIDDLESTAR

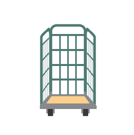
Medium Duty

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

POINT MIDDLESTAR is not only Roll Box Pallet also you can use for general industry

・Caster mount position is freely





Roll Box Pallet

Standard mount pitch
80×80 (75×75) mm
71×71 (68×68) mm

Hand Trolley

Standard mount pitch of swivel and fixed is (80×80/71×71).
You can replace mounting position.

・Line Up - Rubber, PU, Nylon wheel.

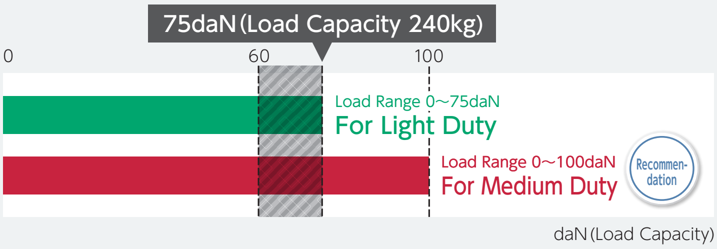
How to choice? Select casters that are one extra rank in load capacity

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

・Optimum casters selection and usage conditions

Case of caster usage 4pcs
Load Capacity = 1pc Load Capacity×4pcs×0.8

＊Load Capacity (Unit)　1daN=10N≒1.02kgf(1kgf≒9.8N≒0.98daN)

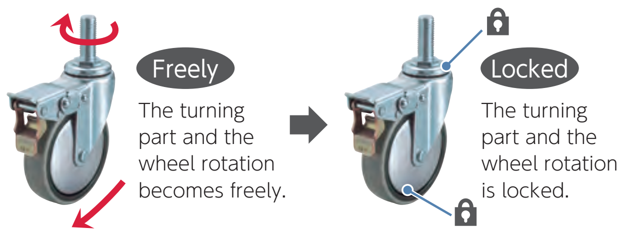


＊Load capacity which is written in catalog showed easy value carring out by human power on flat floor.(It does not include corresponding to towing caster) Regarding to maximum load you have to choose casters which suits on load. However, case of using 4pcs caster, there are some pattern the load is stand only 3pcs.(Maximum load means including hand trolley own weight.)

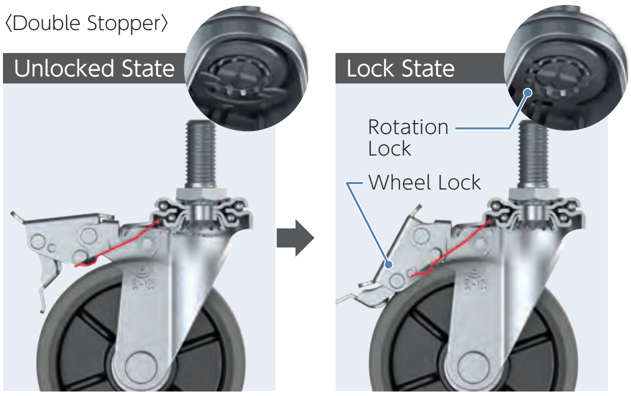
Column Types of stopper

① Single Stopper／A stopper that locks only the rotation of the wheel
② Spirally Fixing／A stopper that lock only turning part
③ Double Stopper／A stopper that lock turning part and rotation of the wheel at the same time

＊Some types have both ① and ② functions.



〈Double Stopper〉



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

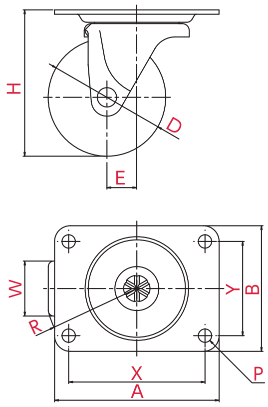
MG Type

Swivel | Plate Type

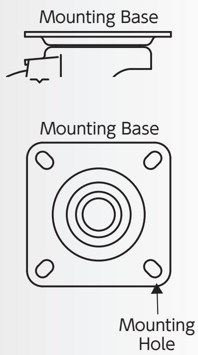
ϕ 65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

MG-75N



Mounting Method: Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with **Fixed**

MR Type
P.065

The picture is a typical product image.

Order Example	MG	-	75	N
	Bracket Type		Wheel Diameter	Wheel Type

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
65	MG-65N	Nylon	90(91.8)	28	82	95×70	76×44	8.5	22	55
75	MG-75N	Nylon	100(102.0)	35	93	105×80	87×60	8.5	21	59

Wheel Type

N
Wheel: Nylon
Tread: Nylon

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

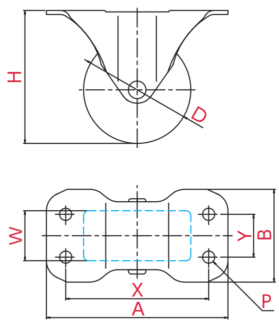
MR Type

Fixed **Plate Type**

ϕ 65 75

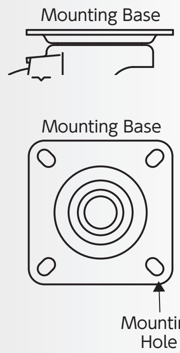
BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper


MR-75N



The picture is a typical product image.

Mounting Method — **Plate Type**



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example: MR (Bracket Type) - 75 (Wheel Diameter) N (Wheel Type)

▼ Use together with **Swivel**


MG Type
P.064

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y') [mm])	Hole Diameter (P[mm])
65	MR-65N	Nylon	90(91.8)	28	82	113×59	89×28	8.5
75	MR-75N	Nylon	100(102.0)	35	93	127×65	100×30	8.5

Wheel Type


N
Wheel: Nylon
Tread: Nylon

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

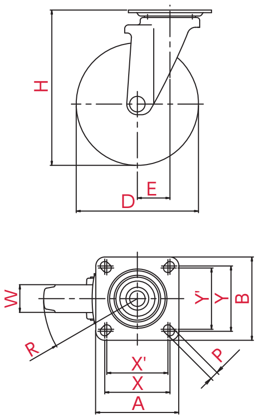
RJ2 Type

Swivel | Plate Type

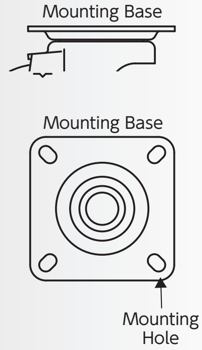
ϕ 100 125 150

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

RJ2-150NWR



Mounting Method | Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: RJ2 (Bracket Type) - 150 (Wheel Diameter) NWR (Wheel Type)

Use together with Fixed

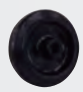

K2 Type P.068


SK Type P.073

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
100	RJ2-100W-P	Rubber	120(122.4)	32	132	90×90	71×71(68×68)	11	34	85
	RJ2-100NRP			30						
	RJ2-100W	Rubber(Including B)		32						
	RJ2-100W-P-G	Grey Rubber								
	RJ2-100N	Nylon								
	RJ2-100GU	PU(Including B)	100(102.0)							
125	RJ2-125W-P	Rubber	150(153.0)	38	168	102×102	80×80(75×75)	11	38	101
	RJ2-125W	Rubber(Including B)								
	RJ2-125NWR			34						
	RJ2-125W-G	Grey Rubber(Including B)		38						
	RJ2-125NWR-G			34						
	RJ2-125NP	Nylon		40						
	RJ2-125GU	PU(Including B)								
150	RJ2-150W-P	Rubber	160(163.2)	40	190	102×102	80×80(75×75)	11	40	115
	RJ2-150W	Rubber(Including B)								
	RJ2-150NWR			34						
	RJ2-150W-G	Grey Rubber(Including B)		40						
	RJ2-150NWR-G			34						
	RJ2-150N	Nylon(Including B)		40						
	RJ2-150GU	PU(Including B)								

Wheel Type


W -P
Wheel:Steel
Tread:Rubber

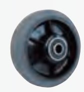

NRP
Wheel:Nylon
Tread:Rubber


W
Wheel:Steel
Tread:Rubber (Including B)


NWR
Wheel:Nylon
Tread:Rubber (Including B)


W -P-G
Wheel:Steel
Tread:Grey Rubber


W -G
Wheel:Steel
Tread:Grey Rubber (Including B)


NWR -G
Wheel:Nylon
Tread:Grey Rubber (Including B)


N
Wheel:Nylon
Tread:Nylon


NP
Wheel:Nylon
Tread:Nylon


N
Wheel:Nylon
Tread:Nylon (Including B)


GU
Wheel:Nylon
Tread:PU (Including B)

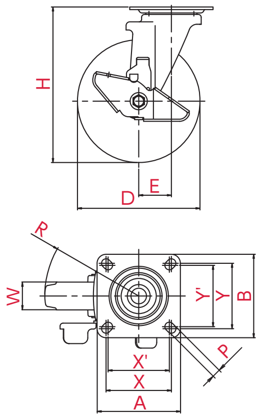
RJ2-S Type

Swivel | Plate Type

ϕ 100 125 150

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

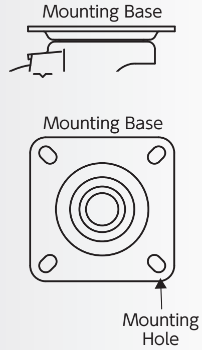
RJ2-150NWRS



The picture is a typical product image.

Order Example	RJ2	-	150	NWR	S
	Bracket Type		Wheel Diameter	Wheel Type	Stopper

Mounting Method — Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Fixed


K2 Type P.068


SK Type P.073

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
100	RJ2-100WS-P	Rubber	120(122.4)	32	132	90×90	71×71(68×68)	11	34	88
	RJ2-100NRPS			30						
	RJ2-100WS	Rubber(Including B)		32						
	RJ2-100WS-P-G	Grey Rubber								
	RJ2-100NS	Nylon								
	RJ2-100GUS	PU(Including B)	100(102.0)							
125	RJ2-125WS-P	Rubber	150(153.0)	38	168	102×102	80×80(75×75)	11	38	104
	RJ2-125WS	Rubber(Including B)								
	RJ2-125NWRS			34						
	RJ2-125WS-G	Grey Rubber(Including B)		38						
	RJ2-125NWRS-G			34						
	RJ2-125NPS	Nylon		40						
	RJ2-125GUS	PU(Including B)								
150	RJ2-150WS-P	Rubber	160(163.2)	40	190	102×102	80×80(75×75)	11	40	115
	RJ2-150WS	Rubber(Including B)								
	RJ2-150NWRS			34						
	RJ2-150WS-G	Grey Rubber(Including B)		40						
	RJ2-150NWRS-G			34						
	RJ2-150NS	Nylon(Including B)		40						
	RJ2-150GUS	PU(Including B)								

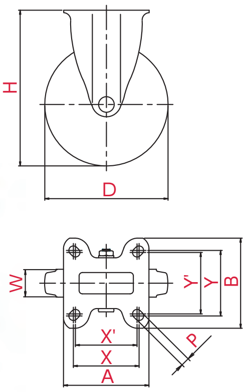
Wheel Type

K2 Type

Fixed | **Plate Type**

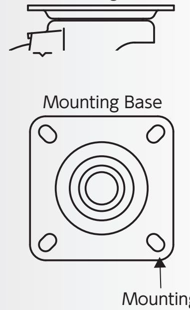
ϕ 125 150

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper



The picture is a typical product image.

Mounting Method — Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example: W (Wheel Type) K2 (Bracket Type) - 150 (Wheel Diameter)

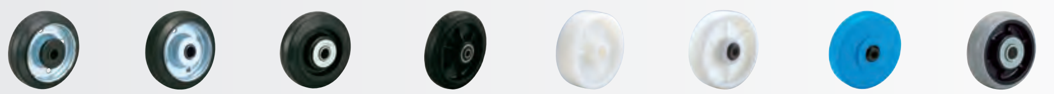
Use together with Swivel

RJ2 Type P.066 | RJ2-S Type P.067 | J2 Type P.075 | J2-S Type P.076

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y') [mm])	Hole Diameter (P[mm])
125	**WK2-125-P**	Rubber	150(153.0)	38	168	137×93	112×53(100×56)	11
	WK2-125*	Rubber(Including B)						
	NWRK2-125			34				
	NPK2-125	Nylon		40				
	GUK2-125	PU(Including B)						
150	**WK2-150-P**	Rubber	180(183.6)	40	190	104×110	80×80(75×75)	11
	WK2-150*	Rubber(Including B)						
	NRK2-150							
	NWRK2-150		160(163.2)	34				
	NK2-150	Nylon(Including B)		40				
	MCBK2-150	Monomer Cast Nylon(Including B)						
	GUK2-150	PU(Including B)	180(183.6)					
	WK2-150-P(P112×53)	Rubber	180(183.6)	40		137×93	112×53(100×56)	
	WK2-150(P112×53)*	Rubber(Including B)						
	NWRK2-150(P112×53)			34				
	NK2-150(P112×53)	Nylon(Including B)	160(163.2)	40				
	MCBK2-150(P112×53)	Monomer Cast Nylon(Including B)						
	GUK2-150(P112×53)	PU(Including B)	180(183.6)					

*Grey rubber is also available.

Wheel Type



W -P	W	NR	NWR	NP	N	MCB	GU
Wheel: Steel Tread: Rubber	Wheel: Steel Tread: Rubber (Including B)	Wheel: Nylon Tread: Rubber (Including B)	Wheel: Nylon Tread: Rubber (Including B)	Wheel: Nylon Tread: Nylon	Wheel: Nylon Tread: Nylon (Including B)	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (Including B)	Wheel: Nylon Tread: PU (Including B)

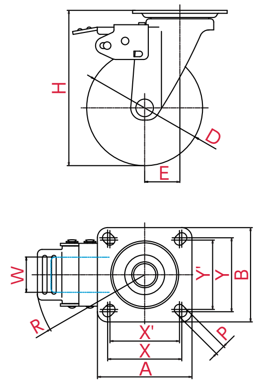
G-type | L-type | E-type | M-type | S-type | J-type | PM-type | H-type | AF-type | NP-type | SKY-type | SILENT-type | OTHER

RJ2K Type ϕ 125

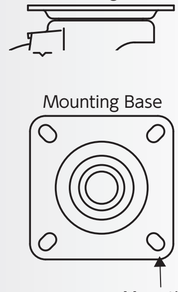
Swivel | Plate Type

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Spirally Fixing Type | Double Stopper

RJ2K-125NWR



Mounting Method | Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: RJ2K - 125 NWR
(RJ2K: Bracket Type; 125: Wheel Diameter; NWR: Wheel Type)

Use together with Fixed

K2 Type
P.068

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
125	RJ2K-125W-P	Rubber	150(153.0)	38	168	102×102	80×80(75×75)	11	38	118
	RJ2K-125W	Rubber(Including B)								
	RJ2K-125NWR			34						
	RJ2K-125NP	Nylon		40						
	RJ2K-125GU	PU(Including B)								

Wheel Type

W -P
Wheel: Steel
Tread: Rubber

W
Wheel: Steel
Tread: Rubber (Including B)

NWR
Wheel: Nylon
Tread: Rubber (Including B)

NP
Wheel: Nylon
Tread: Nylon

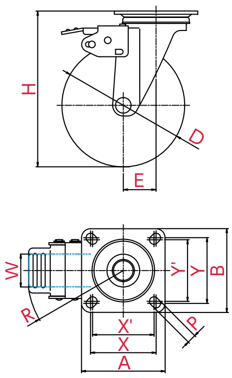
GU
Wheel: Nylon
Tread: PU (Including B)

KRJ2K Type ϕ150

Swivel | Plate Type

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Spirally Fixing Type | Double Stopper

KRJ2K-150NWR



The picture is a typical product image.

Order Example	KRJ2K	-	150	NWR
	Bracket Type		Wheel Diameter	Wheel Type

Mounting Method | Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with Fixed

K2 Type
P.068

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
150	**KRJ2K-150W-P**	Rubber	160(163.2)	40	190	102×102	80×80(75×75)	11	40	118
	KRJ2K-150W	Rubber(Including B)								
	KRJ2K-150NWR			34						
	KRJ2K-150N	Nylon(Including B)		40						
	KRJ2K-150GU	PU(Including B)								

Wheel Type

W -P
Wheel:Steel
Tread:Rubber

W
Wheel:Steel
Tread:Rubber (Including B)

NWR
Wheel:Nylon
Tread:Rubber (Including B)

N
Wheel:Nylon
Tread:Nylon (Including B)

GU
Wheel:Nylon
Tread:PU (Including B)

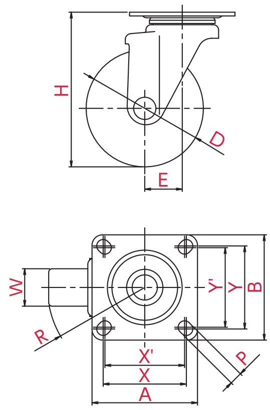
SJ Type

Swivel | Plate Type

ϕ 100 125

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SJ-100W

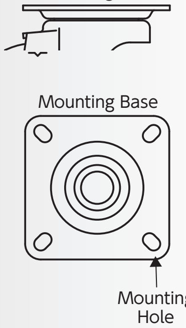


The picture is a typical product image.

Order Example	SJ	-	100	W
	Bracket Type		Wheel Diameter	Wheel Type

Mounting Method | Plate Type

Mounting Base



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with | Fixed


SK Type
P.073


SK/D Type
P.074

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
100	SJ-100W-P	Rubber	120(122.4)	32	132	90×90	71×71(68×68)	11	32	83
	SJ-100W*	Rubber(Including B)								
	SJ-100NR		100(102.0)							
	SJ-100WE	Conductive Rubber(Including B)	120(122.4)							
	SJ-100N	Nylon								
	SJ-100NB	Nylon(Including B)								
	SJ-100UW	PU(Including B)								
	SJ-100GU		100(102.0)							
	SJ-100BRU,BC									
	SJ-100PH	Heat Resistant Phenol								
125	SJ-125W-P	Rubber	120(122.4)	32	168	102×102	80×80(75×75)	11	32	95
	SJ-125W*	Rubber(Including B)								
	SJ-125WE	Conductive Rubber(Including B)								
	SJ-125GU	PU(Including B)								
	SJ-125BRU,BC									

*Grey rubber is also available.

Wheel Type


W -P
Wheel:Steel
Tread:Rubber


W
Wheel:Steel
Tread:Rubber (Including B)


NR
Wheel:Nylon
Tread:Rubber (Including B)


WE
Wheel:Steel
Tread:Conductive Rubber (Including B)


N
Wheel:Nylon
Tread:Nylon


NB
Wheel:Nylon
Tread:Nylon (Including B)


UW
Wheel:Steel
Tread:PU (Including B)


GU
Wheel:Nylon
Tread:PU (Including B)


BRU
Wheel:Nylon
Tread:PU (Including B)


PH
Wheel:Heat Resistant Phenol
Tread:Heat Resistant Phenol

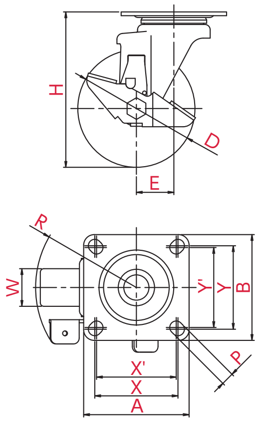
SJ-S Type

Swivel | Plate Type

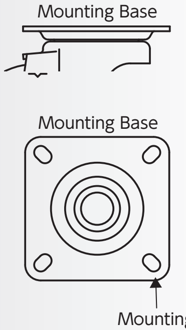
ϕ 100 125

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SJ-100WS



Mounting Method | Plate Type



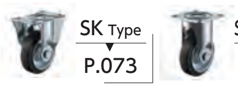
Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: SJ (Bracket Type) - 100 (Wheel Diameter) W (Wheel Type) S (Stopper)

▼ Use together with **Fixed**



SK Type P.073
SK/D Type P.074

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
100	SJ-100WS-P	Rubber	120(122.4)	32	132	90×90	71×71(68×68)	11	32	86
	SJ-100WS*	Rubber(Including B)								
	SJ-100NRS		100(102.0)							
	SJ-100WES	Conductive Rubber(Including B)	120(122.4)							
	SJ-100NS	Nylon								
	SJ-100NBS	Nylon(Including B)								
	SJ-100UWS	PU(Including B)								
	SJ-100GUS		100(102.0)							
	SJ-100BRUS,BC									
	SJ-100PHS	Heat Resistant Phenol								
125	SJ-125WS-P	Rubber	120(122.4)	32	168	102×102	80×80(75×75)	11	32	97
	SJ-125WS*	Rubber(Including B)								
	SJ-125WES	Conductive Rubber(Including B)								
	SJ-125GUS	PU(Including B)								
	SJ-125BRUS,BC									

*Grey rubber is also available.

Wheel Type

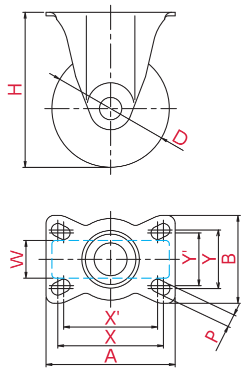
SK Type

Fixed **Plate Type**

ϕ 100 125

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SK-100W

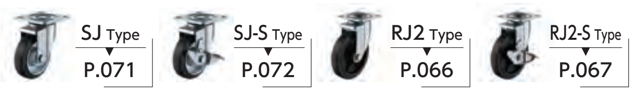


Mounting Method **Plate Type**

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with **Swivel**



SJ Type P.071 | SJ-S Type P.072 | RJ2 Type P.066 | RJ2-S Type P.067

The picture is a typical product image.

Order Example	SK	-	100	W
	Bracket Type		Wheel Diameter	Wheel Type

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
100	SK-100W-P	Rubber	120(122.4)	32	132	110×80	90×50(80×45)	11
	SK-100NRP			30				
	SK-100W*	Rubber(Including B)		32				
	SK-100NR		100(102.0)					
	SK-100WE	Conductive Rubber(Including B)	120(122.4)					
	SK-100N	Nylon						
	SK-100NB	Nylon(Including B)						
	SK-100UW	PU(Including B)						
	SK-100GU		100(102.0)					
	SK-100BRU,BC							
	SK-100PH	Heat Resistant Phenol						
125	SK-125W-P	Rubber	120(122.4)	32	168	104×110	80×80(75×75)	11
	SK-125W*	Rubber(Including B)						
	SK-125WE	Conductive Rubber(Including B)						
	SK-125GU	PU(Including B)						
	SK-125BRU,BC							

*Grey rubber is also available.

Wheel Type

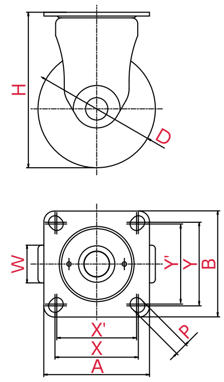
- W -P: Wheel: Steel / Tread: Rubber
- NRP: Wheel: Nylon / Tread: Rubber
- W: Wheel: Steel / Tread: Rubber (Including B)
- NR: Wheel: Nylon / Tread: Rubber (Including B)
- WE: Wheel: Steel / Tread: Conductive Rubber (Including B)
- N: Wheel: Nylon / Tread: Nylon
- NB: Wheel: Nylon / Tread: Nylon (Including B)
- UW: Wheel: Steel / Tread: PU (Including B)
- GU: Wheel: Nylon / Tread: PU (Including B)
- BRU: Wheel: Nylon / Tread: PU (Including B)
- PH: Wheel: Heat Resistant Phenol / Tread: Heat Resistant Phenol

SK/D Type ϕ100

Fixed | Plate Type

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SK/D-100W



The picture is a typical product image.

Mounting Method: Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Swivel


SJ Type P.071


SJ-S Type P.072

Order Example	SK/D	-	100	W
	Bracket Type		Wheel Diameter	Wheel Type

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
100	SK/D-100W-P	Rubber	120(122.4)	32	132	90×90	71×71(68×68)	11
	SK/D-100W*	Rubber(Including B)						
	SK/D-100NR		100(102.0)					
	SK/D-100N	Nylon	120(122.4)					
	SK/D-100NB	Nylon(Including B)						
	SK/D-100UW	PU(Including B)						
	SK/D-100GU		100(102.0)					

*Grey rubber is also available.

Wheel Type

W -P	W	NR	N	NB	UW	GU
Wheel: Steel Tread: Rubber	Wheel: Steel Tread: Rubber (Including B)	Wheel: Nylon Tread: Rubber (Including B)	Wheel: Nylon Tread: Nylon	Wheel: Nylon Tread: Nylon (Including B)	Wheel: Steel Tread: PU (Including B)	Wheel: Nylon Tread: PU (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

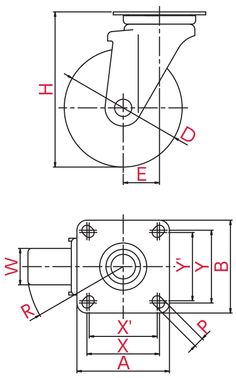
J2 Type

Swivel | Plate Type

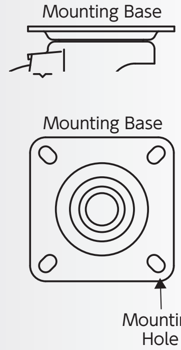
ϕ 130 150

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

WJ2-150



Mounting Method | Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: W (Wheel Type) J2 (Bracket Type) - 150 (Wheel Diameter)

▼ Use together with Fixed

K2 Type
P.068

K2/D Type
P.077

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
130	WJ2-130*	Rubber(Including B)	160(163.2)	40	170	102×102	80×80(75×75)	11	40	105
	NRJ2-130									
	NJ2-130	Nylon(Including B)	150(153.0)							
	MCBJ2-130	Monomer Cast Nylon(Including B)								
	GUJ2-130	PU(Including B)	160(163.2)							
150	WJ2-150*	Rubber(Including B)	180(183.6)	40	190	102×102	80×80(75×75)	11	40	115
	NRJ2-150									
	NJ2-150	Nylon(Including B)	160(163.2)							
	MCBJ2-150	Monomer Cast Nylon(Including B)								
	GUJ2-150	PU(Including B)	180(183.6)							

*Grey rubber is also available.

Wheel Type

W	NR	N	MCB	GU
Wheel:Steel Tread:Rubber (Including B)	Wheel:Nylon Tread:Rubber (Including B)	Wheel:Nylon Tread:Nylon (Including B)	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon (Including B)	Wheel:Nylon Tread:PU (Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

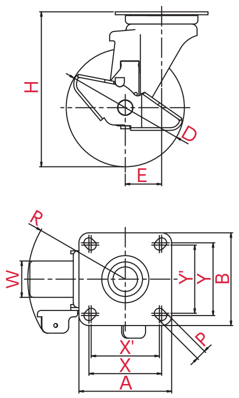
J2-S Type

Swivel | Plate Type

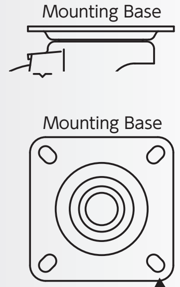
ϕ 130 150

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

WJ2-150S



Mounting Method | Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	W	J2	-	150	S
	Wheel Type	Bracket Type		Wheel Diameter	Stopper

▼ Use together with **Fixed**

K2 Type P.068

K2/D Type P.077

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
130	WJ2-130S*	Rubber(Including B)	160(163.2)	40	170	102×102	80×80(75×75)	11	40	108
	NRJ2-130S									
	NJ2-130S	Nylon(Including B)	150(153.0)							
	MCBJ2-130S	Monomer Cast Nylon(Including B)								
	GUJ2-130S	PU(Including B)	160(163.2)							
150	WJ2-150S*	Rubber(Including B)	180(183.6)	40	190	102×102	80×80(75×75)	11	40	115
	NRJ2-150S									
	NJ2-150S	Nylon(Including B)	160(163.2)							
	MCBJ2-150S	Monomer Cast Nylon(Including B)								
	GUJ2-150S	PU(Including B)	180(183.6)							

*Grey rubber is also available.

Wheel Type

W
Wheel:Steel
Tread:Rubber
(Including B)

NR
Wheel:Nylon
Tread:Rubber
(Including B)

N
Wheel:Nylon
Tread:Nylon
(Including B)

MCB
Wheel:Monomer Cast Nylon
Tread:Monomer Cast Nylon
(Including B)

GU
Wheel:Nylon
Tread:PU
(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

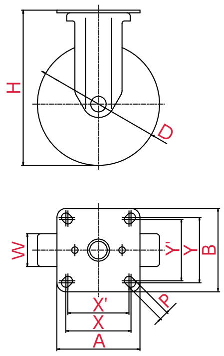
K2/D Type

Fixed | **Plate Type**

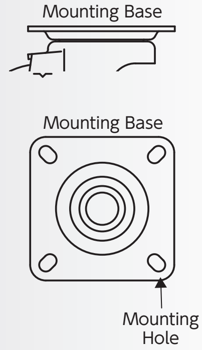
ϕ 130 150

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

WK2/D-150



Mounting Method: **Plate Type**



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with **Swivel**


J2 Type P.075


J2-S Type P.076

The picture is a typical product image.

Order Example	W	K2/D	-	150
	Wheel Type	Bracket Type		Wheel Diameter

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y') [mm])	Hole Diameter (P[mm])
130	WK2/D-130*	Rubber(Including B)	160(163.2)	40	170	102×102	80×80(75×75)	11
	NRK2/D-130							
	NK2/D-130	Nylon(Including B)	150(153.0)					
	MCBK2/D-130	Monomer Cast Nylon(Including B)						
	GUK2/D-130	PU(Including B)	160(163.2)					
150	WK2/D-150*	Rubber(Including B)	180(183.6)	40	190	102×102	80×80(75×75)	11
	NRK2/D-150							
	NK2/D-150	Nylon(Including B)	160(163.2)					
	MCBK2/D-150	Monomer Cast Nylon(Including B)						
	GUK2/D-150	PU(Including B)	180(183.6)					

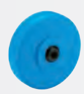
*Grey rubber is also available.

Wheel Type


W
Wheel: Steel
Tread: Rubber
(Including B)


NR
Wheel: Nylon
Tread: Rubber
(Including B)


N
Wheel: Nylon
Tread: Nylon
(Including B)


MCB
Wheel: Monomer Cast Nylon
Tread: Monomer Cast Nylon
(Including B)


GU
Wheel: Nylon
Tread: PU
(Including B)

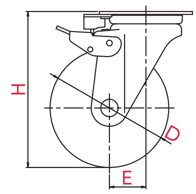
J2K Type

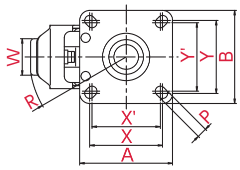
Swivel | Plate Type

ϕ 130 150

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Spirally Fixing Type | Double Stopper

WJ2K-150





Mounting Method | Plate Type

Mounting Base

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with **Fixed**


K2 Type
P.068


K2/D Type
P.077

The picture is a typical product image.

Order Example	W	J2K	-	150
	Wheel Type	Bracket Type		Wheel Diameter

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
130	WJ2K-130*	Rubber(Including B)	160(163.2)	40	170	102×102	80×80(75×75)	11	40	105
	NRJ2K-130									
	NJ2K-130	Nylon(Including B)	150(153.0)							
	MCBJ2K-130	Monomer Cast Nylon(Including B)								
	GUJ2K-130	PU(Including B)	160(163.2)							
150	WJ2K-150*	Rubber(Including B)	180(183.6)	40	190	102×102	80×80(75×75)	11	40	115
	NRJ2K-150									
	NJ2K-150	Nylon(Including B)	160(163.2)							
	MCBJ2K-150	Monomer Cast Nylon(Including B)								
	GUJ2K-150	PU(Including B)	180(183.6)							

*Grey rubber is also available.

Wheel Type


W
Wheel: Steel
Tread: Rubber (Including B)


NR
Wheel: Nylon
Tread: Rubber (Including B)


N
Wheel: Nylon
Tread: Nylon (Including B)


MCB
Wheel: Monomer Cast Nylon
Tread: Monomer Cast Nylon (Including B)


GU
Wheel: Nylon
Tread: PU (Including B)

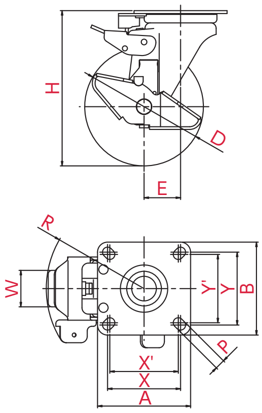
G-type L-type E-type M-type S-type J-type PM-type H-type AF-type NP-type SKY-type SILENT-type OTHER

J2K-S Type ϕ130 150

Swivel | Plate Type

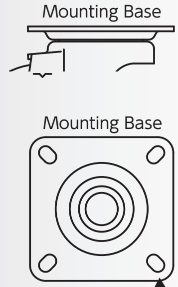
BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Spirally Fixing Type | Single Stopper

WJ2K-150S



The picture is a typical product image.

Mounting Method: Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example

W	J2K	-	150	S
Wheel Type	Bracket Type		Wheel Diameter	Stopper

▼ Use together with **Fixed**

K2 Type P.068

K2/D Type P.077

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
130	WJ2K-130S*	Rubber(Including B)	160(163.2)	40	170	102×102	80×80(75×75)	11	40	108
	NRJ2K-130S									
	NJ2K-130S	Nylon(Including B)	150(153.0)							
	MCBJ2K-130S	Monomer Cast Nylon(Including B)								
	GUJ2K-130S	PU(Including B)	160(163.2)							
150	WJ2K-150S*	Rubber(Including B)	180(183.6)	40	190	102×102	80×80(75×75)	11	40	115
	NRJ2K-150S									
	NJ2K-150S	Nylon(Including B)	160(163.2)							
	MCBJ2K-150S	Monomer Cast Nylon(Including B)								
	GUJ2K-150S	PU(Including B)	180(183.6)							

*Grey rubber is also available.

Wheel Type

W
Wheel:Steel
Tread:Rubber
(Including B)

NR
Wheel:Nylon
Tread:Rubber
(Including B)

N
Wheel:Nylon
Tread:Nylon
(Including B)

MCB
Wheel:Monomer Cast Nylon
Tread:Monomer Cast Nylon
(Including B)

GU
Wheel:Nylon
Tread:PU
(Including B)

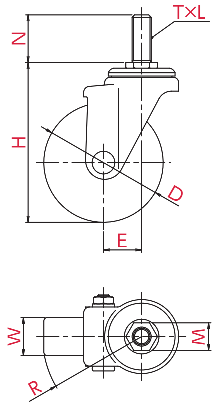
SJT Type

Swivel | Screw-In Type

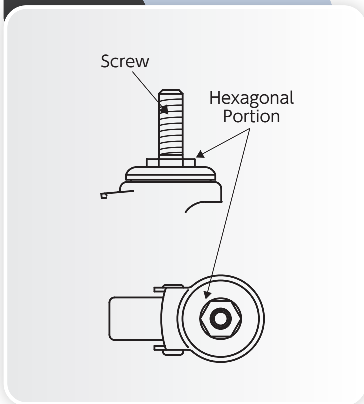
ϕ 100 125

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SJT-100W,M20×40



Mounting Method: Screw-In Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: SJT - 100 W , M20 x 40
(SJT: Bracket Type; 100: Wheel Diameter; W: Wheel Type; M20: Screw Diameter; 40: Screw Length)

Please set "Screw Diameter × Length" after product name

Special Wrench ▸P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
100	SJT-100W-P	Rubber	120(122.4)	32	134	M16×40 M20×40	2 2.5	23 30	32	82
	SJT-100W*	Rubber(Including B)								
	SJT-100NR		100(102.0)							
	SJT-100WE	Conductive Rubber(Including B)	120(122.4)							
	SJT-100N	Nylon								
	SJT-100NB	Nylon(Including B)								
	SJT-100UW	PU(Including B)								
	SJT-100GU		100(102.0)							
	SJT-100BRU,BC									
	SJT-100PH	Heat Resistant Phenol								
125	SJT-125W-P	Rubber	120(122.4)	32	166	M16×40 M20×40	2 2.5	23 30	32	95
	SJT-125W*	Rubber(Including B)								
	SJT-125WE	Conductive Rubber(Including B)								
	SJT-125GU	PU(Including B)								
	SJT-125BRU,BC									

*Grey rubber is also available.

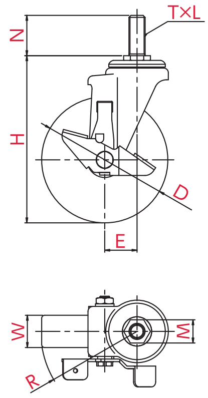
Wheel Type

SJT-S Type

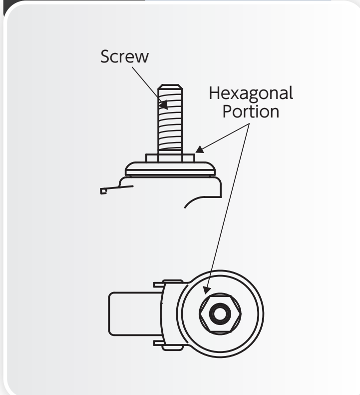
Swivel | Screw-In Type | ϕ 100 125

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SJT-100WS,M20×40



Mounting Method Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	SJT	-	100	W	S	,	M20	x	40
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
100	SJT-100WS-P	Rubber	120(122.4)	32	134	M16×40 M20×40	2 2.5	23 30	32	86
	SJT-100WS*	Rubber(Including B)								
	SJT-100NRS		100(102.0)							
	SJT-100WES	Conductive Rubber(Including B)	120(122.4)							
	SJT-100NS	Nylon								
	SJT-100NBS	Nylon(Including B)								
	SJT-100UWS	PU(Including B)								
	SJT-100GUS		100(102.0)							
	SJT-100BRUS,BC									
	SJT-100PHS	Heat Resistant Phenol								
125	SJT-125WS-P	Rubber	120(122.4)	32	166	M16×40 M20×40	2 2.5	23 30	32	97
	SJT-125WS*	Rubber(Including B)								
	SJT-125WES	Conductive Rubber(Including B)								
	SJT-125GUS	PU(Including B)								
	SJT-125BRUS,BC									

*Grey rubber is also available.

Wheel Type

- W -P: Wheel:Steel / Tread:Rubber
- W: Wheel:Steel / Tread:Rubber (Including B)
- NR: Wheel:Nylon / Tread:Rubber (Including B)
- WE: Wheel:Steel / Tread:Conductive Rubber (Including B)
- N: Wheel:Nylon / Tread:Nylon
- NB: Wheel:Nylon / Tread:Nylon (Including B)
- UW: Wheel:Steel / Tread:PU (Including B)
- GU: Wheel:Nylon / Tread:PU (Including B)
- BRU: Wheel:Nylon / Tread:PU (Including B)

- PH: Wheel:Heat Resistant Phenol / Tread:Heat Resistant Phenol

HEAVYSTAR

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

LINEUP ・J-type ・PM-type

HEAVYSTAR

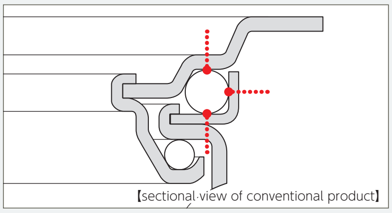
Heavy Duty

Powerful caster can easily carry heavy goods.
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

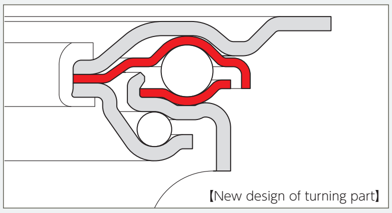
・New design of bearing structure keeps steel ball by circular arc

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 circular arc.



・Reduce the burden on metal surfaces in contact with steel balls reduced aging of turning part
・High strength more SAPH 600 special steel selected

・We select special steel and improve strength

Maximum load realized about 5 ton in compression test

■ Result of compression test (Vertical load)

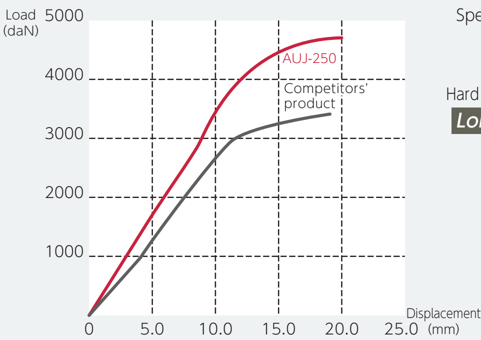
Product name	Maximum Load(daN)	Deformation(mm)
AUJ-250	4731	19.18
Competitors' product	3303	16.81

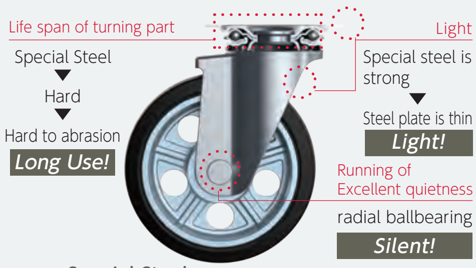
Enough load capacity for heavy duty product

AUJ-250 maximum load is 4,731 daN by compression test. AUJ-250 has enough load capacity compared with competitors' 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 perfomance





Special Steel

Special steel is more strengh material than general steel. The plate is thin and superior more safe. A lot of auto industry customer selects PM-type.

∗Special steel is only PM-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 enhacing strong by heat treatment.

Recommendation Aluminum die casting wheel is light and strong

Aluminum die casting wheel

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

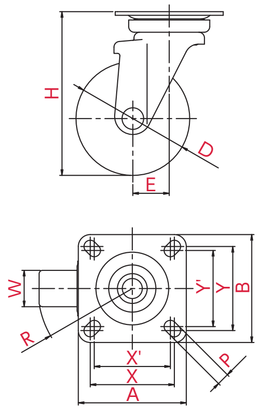
We choiced aluminum die casting wheel to cope with the hard working environment. Load capacity also improved by thickening the plate thickness. As a result load capacity realized until 600 daN.

J Type

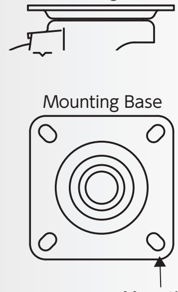
Swivel | Plate Type

ϕ 75 100 130 150 200 250

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper



Mounting Method | Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with **Fixed**

K Type P.092 | KB[R] Type P.094 | KB[L] Type P.096

The picture is a typical product image.

Order Example: UW (Wheel Type) J (Bracket Type) - 150 (Wheel Diameter)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
75	WJ-75	Rubber(Including B)	80(81.6)	32	103	82×82	63×63	9.5	26	64
	UWJ-75	PU(Including B)	120(122.4)							
	GUJ-75		100(102.0)							
100	WJ-100	Rubber(Including B)	120(122.4)	32	144	95×95	74×74(67×67)	11	32	82
	NRJ-100		100(102.0)							
	WEJ-100	Conductive Rubber(Including B)	120(122.4)							
	WOJ-100	Oil Resistant Rubber(Including B)								
	WJ-100-G	Grey Rubber(Including B)								
	NRJ-100-G		100(102.0)							
	MCBJ-100	Monomer Cast Nylon(Including B)								
	UWJ-100	PU(Including B)	180(183.6)							
	GUJ-100		100(102.0)							
	UWEJ-100	Antistatic PU(Including B)	180(183.6)							
	PHJ-100	Heat Resistant Phenol	100(102.0)							
130	WJ-130	Rubber(Including B)	180(183.6)	40	177	105×105	82×82(75×75)	11	40	105
	NRJ-130									
	WEJ-130	Conductive Rubber(Including B)								
	WOJ-130	Oil Resistant Rubber(Including B)								
	WJ-130-G	Grey Rubber(Including B)								
	MCBJ-130	Monomer Cast Nylon(Including B)								
	UWJ-130	PU(Including B)	250(255.0)	35						
	GUJ-130		180(183.6)	40						
	UWEJ-130	Antistatic PU(Including B)	250(255.0)	35						
	PHJ-130	Heat Resistant Phenol	180(183.6)	40						

Wheel Type

W	NR	AW	WE	WO	W -G	NR -G	MCB	UW
Wheel: Steel Tread: Rubber (Including B)	Wheel: Nylon Tread: Rubber (Including B)	Wheel: Aluminum Tread: Rubber (Including B)	Wheel: Steel Tread: Conductive Rubber (Including B)	Wheel: Steel Tread: Oil Resistant Rubber (Including B)	Wheel: Steel Tread: Grey Rubber (Including B)	Wheel: Nylon Tread: Grey Rubber (Including B)	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (Including B)	Wheel: Steel Tread: PU (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

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
150	WJ-150	Rubber(Including B)	200(204.0)	40	198	120×120	94×94(87×87)	11	40	115
	NRJ-150									
	WEJ-150	Conductive Rubber(Including B)								
	WOJ-150	Oil Resistant Rubber(Including B)								
	WJ-150-G	Grey Rubber(Including B)								
	NRJ-150-G									
	MCBJ-150	Monomer Cast Nylon(Including B)								
	UWJ-150	PU(Including B)	300(306.0)	38						
	GUJ-150		200(204.0)	40						
	UWEJ-150	Antistatic PU(Including B)	300(306.0)	38						
	PHJ-150	Heat Resistant Phenol	200(204.0)	40						
200	WJ-200	Rubber(Including B)	250(255.0)	43	250	140×140	115×115(105×105)	11.5	56	156
	WEJ-200	Conductive Rubber(Including B)								
	WOJ-200	Oil Resistant Rubber(Including B)								
	WJ-200-G	Grey Rubber(Including B)								
	MCBJ-200	Monomer Cast Nylon(Including B)								
	UWJ-200	PU(Including B)	400(408.0)	42						
	GUJ-200		250(255.0)	43						
	UWEJ-200	Antistatic PU(Including B)	400(408.0)	42						
250	AWJ-250	Rubber(Including B)	400(408.0)	60	305	160×160	125×125	14	70	195
	AUJ-250	PU(Including B)	600(612.0)	45						

Wheel Type


GU
Wheel : Nylon
Tread : PU (Including B)


AU
Wheel : Aluminum
Tread : PU (Including B)


UWE
Wheel : Steel
Tread : Antistatic PU (Including B)


PH
Wheel : Heat Resistant Phenol
Tread : Heat Resistant Phenol

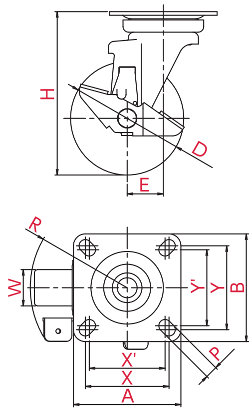
J-S Type

Swivel | Plate Type

ϕ 75 100 130 150 200

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

UWJ-150S



The picture is a typical product image.

Mounting Method | Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example: UW (Wheel Type) J (Bracket Type) - 150 (Wheel Diameter) S (Stopper)

▼ Use together with **Fixed**

K Type P.092 | KB[R] Type P.094 | KB[L] Type P.096

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
75	WJ-75S	Rubber(Including B)	80(81.6)	32	103	82×82	63×63	9.5	28	71
	UWJ-75S	PU(Including B)	120(122.4)							
	GUJ-75S		100(102.0)							
100	WJ-100S	Rubber(Including B)	120(122.4)	32	144	95×95	74×74(67×67)	11	32	86
	NRJ-100S		100(102.0)							
	WEJ-100S	Conductive Rubber(Including B)	120(122.4)							
	WOJ-100S	Oil Resistant Rubber(Including B)								
	WJ-100S-G	Grey Rubber(Including B)								
	NRJ-100S-G		100(102.0)							
	MCBJ-100S	Monomer Cast Nylon(Including B)								
	UWJ-100S	PU(Including B)	180(183.6)							
	GUJ-100S		100(102.0)							
	UWEJ-100S	Antistatic PU(Including B)	180(183.6)							
	PHJ-100S	Heat Resistant Phenol	100(102.0)							
130	WJ-130S	Rubber(Including B)	180(183.6)	40	177	105×105	82×82(75×75)	11	40	108
	NRJ-130S									
	WEJ-130S	Conductive Rubber(Including B)								
	WOJ-130S	Oil Resistant Rubber(Including B)								
	WJ-130S-G	Grey Rubber(Including B)								
	MCBJ-130S	Monomer Cast Nylon(Including B)								
	UWJ-130S	PU(Including B)	250(255.0)	35						
	GUJ-130S		180(183.6)	40						
	UWEJ-130S	Antistatic PU(Including B)	250(255.0)	35						
	PHJ-130S	Heat Resistant Phenol	180(183.6)	40						

Wheel Type

Code	Wheel	Tread
W	Steel	Rubber (Including B)
NR	Nylon	Rubber (Including B)
WE	Steel	Conductive Rubber (Including B)
WO	Steel	Oil Resistant Rubber (Including B)
W -G	Steel	Grey Rubber (Including B)
NR -G	Nylon	Grey Rubber (Including B)
MCB	Monomer Cast Nylon	Monomer Cast Nylon (Including B)
UW	Steel	PU (Including B)
GU	Nylon	PU (Including B)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
	WJ-150S	Rubber(Including B)								
	NRJ-150S									
	WEJ-150S	Conductive Rubber(Including B)								
	WOJ-150S	Oil Resistant Rubber(Including B)	200(204.0)	40						
	WJ-150S-G	Grey Rubber(Including B)								
150	**NRJ-150S-G**				198	120×120	94×94(87×87)	11	40	115
	MCBJ-150S	Monomer Cast Nylon(Including B)								
	UWJ-150S	PU(Including B)	300(306.0)	38						
	GUJ-150S		200(204.0)	40						
	UWEJ-150S	Antistatic PU(Including B)	300(306.0)	38						
	PHJ-150S	Heat Resistant Phenol	200(204.0)	40						
	WJ-200S	Rubber(Including B)								
	WEJ-200S	Conductive Rubber(Including B)								
	WOJ-200S	Oil Resistant Rubber(Including B)	250(255.0)	43						
	WJ-200S-G	Grey Rubber(Including B)								
200	**MCBJ-200S**	Monomer Cast Nylon(Including B)			250	140×140	115×115(105×105)	11.5	56	156
	UWJ-200S	PU(Including B)	400(408.0)	42						
	GUJ-200S		250(255.0)	43						
	UWEJ-200S	Antistatic PU(Including B)	400(408.0)	42						

Wheel Type

UWE
Wheel : Steel
Tread : Antistatic PU (Including B)

PH
Wheel : Heat Resistant Phenol
Tread : Heat Resistant Phenol

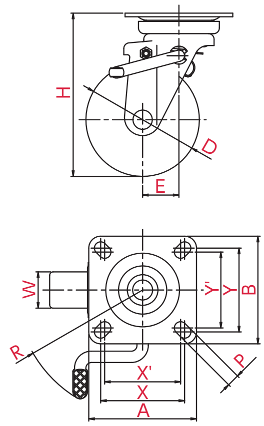
JB[R] Type

Swivel | Plate Type

ϕ 75 100 130 150 200

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

GUJB-150(R)



The picture is a typical product image.

Mounting Method — Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example

GU	J	B	-	150	(R)
Wheel Type	Bracket Type	Stopper		Wheel Diameter	Lever Direction

▼ Use together with **Fixed**

K Type P.092 | KB[R] Type P.094 | KB[L] Type P.096

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
75	WJB-75(R)	Rubber(Including B)	80(81.6)	32	103	82×82	63×63	9.5	26	84
	UWJB-75(R)	PU(Including B)	120(122.4)							
	GUJB-75(R)		100(102.0)							
100	WJB-100(R)	Rubber(Including B)	120(122.4)	32	144	95×95	74×74(67×67)	11	32	112
	NRJB-100(R)		100(102.0)							
	WEJB-100(R)	Conductive Rubber(Including B)	120(122.4)							
	WOJB-100(R)	Oil Resistant Rubber(Including B)								
	WJB-100(R)-G	Grey Rubber(Including B)	100(102.0)							
	NRJB-100(R)-G									
	MCBJB-100(R)	Monomer Cast Nylon(Including B)								
	UWJB-100(R)	PU(Including B)	180(183.6)							
	GUJB-100(R)		100(102.0)							
	UWEJB-100(R)	Antistatic PU(Including B)	180(183.6)							
	PHJB-100(R)	Heat Resistant Phenol	100(102.0)							
130	WJB-130(R)	Rubber(Including B)	180(183.6)	40	177	105×105	82×82(75×75)	11	40	133
	NRJB-130(R)									
	WEJB-130(R)	Conductive Rubber(Including B)								
	WOJB-130(R)	Oil Resistant Rubber(Including B)								
	WJB-130(R)-G	Grey Rubber(Including B)								
	MCBJB-130(R)	Monomer Cast Nylon(Including B)								
	UWJB-130(R)	PU(Including B)	250(255.0)	35						
	GUJB-130(R)		180(183.6)	40						
	UWEJB-130(R)	Antistatic PU(Including B)	250(255.0)	35						
	PHJB-130(R)	Heat Resistant Phenol	180(183.6)	40						

Wheel Type

W	NR	WE	WO	W -G	NR -G	MCB	UW	GU
Wheel:Steel Tread:Rubber (Including B)	Wheel:Nylon Tread:Rubber (Including B)	Wheel:Steel Tread:Conductive Rubber (Including B)	Wheel:Steel Tread:Oil Resistant Rubber (Including B)	Wheel:Steel Tread:Grey Rubber (Including B)	Wheel:Nylon Tread:Grey Rubber (Including B)	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon (Including B)	Wheel:Steel Tread:PU (Including B)	Wheel:Nylon Tread:PU (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

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
150	**WJB-150(R)**	Rubber(Including B)	200(204.0)	40	198	120×120	94×94(87×87)	11	40	133
	NRJB-150(R)									
	WEJB-150(R)	Conductive Rubber(Including B)								
	WOJB-150(R)	Oil Resistant Rubber(Including B)								
	WJB-150(R)-G	Grey Rubber(Including B)								
	NRJB-150(R)-G									
	MCBJB-150(R)	Monomer Cast Nylon(Including B)								
	UWJB-150(R)	PU(Including B)	300(306.0)	38						
	GUJB-150(R)		200(204.0)	40						
	UWEJB-150(R)	Antistatic PU(Including B)	300(306.0)	38						
	PHJB-150(R)	Heat Resistant Phenol	200(204.0)	40						
200	**WJB-200(R)**	Rubber(Including B)	250(255.0)	43	250	140×140	115×115(105×105)	11.5	56	156
	WEJB-200(R)	Conductive Rubber(Including B)								
	WOJB-200(R)	Oil Resistant Rubber(Including B)								
	WJB-200(R)-G	Grey Rubber(Including B)								
	MCBJB-200(R)	Monomer Cast Nylon(Including B)								
	UWJB-200(R)	PU(Including B)	400(408.0)	42						
	GUJB-200(R)		250(255.0)	43						
	UWEJB-200(R)	Antistatic PU(Including B)	400(408.0)	42						

Wheel Type

UWE
Wheel : Steel
Tread : Antistatic PU (Including B)

PH
Wheel : Heat Resistant Phenol
Tread : Heat Resistant Phenol

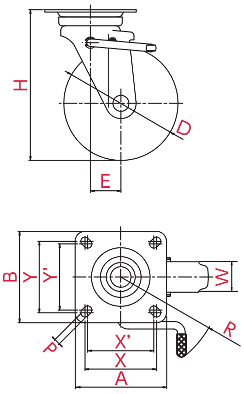
JB[L] Type

Swivel | Plate Type

ϕ 100 130 150 200

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

GUJB-150(L)



Mounting Method | Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: GU (Wheel Type) J (Bracket Type) B (Stopper) - 150 (Wheel Diameter) (L) (Lever Direction)

Use together with Fixed


K Type P.092


KB[R] Type P.094


KB[L] Type P.096

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
100	WJB-100(L)	Rubber(Including B)	120(122.4)	32	144	95×95	74×74(67×67)	11	32	112
	NRJB-100(L)		100(102.0)							
	WEJB-100(L)	Conductive Rubber(Including B)	120(122.4)							
	WOJB-100(L)	Oil Resistant Rubber(Including B)								
	WJB-100(L)-G	Grey Rubber(Including B)								
	NRJB-100(L)-G		100(102.0)							
	MCBJB-100(L)	Monomer Cast Nylon(Including B)								
	UWJB-100(L)	PU(Including B)	180(183.6)							
	GUJB-100(L)		100(102.0)							
	UWEJB-100(L)	Antistatic PU(Including B)	180(183.6)							
	PHJB-100(L)	Heat Resistant Phenol	100(102.0)							
130	WJB-130(L)	Rubber(Including B)	180(183.6)	40	177	105×105	82×82(75×75)	11	40	133
	NRJB-130(L)									
	WEJB-130(L)	Conductive Rubber(Including B)								
	WOJB-130(L)	Oil Resistant Rubber(Including B)								
	WJB-130(L)-G	Grey Rubber(Including B)								
	MCBJB-130(L)	Monomer Cast Nylon(Including B)								
	UWJB-130(L)	PU(Including B)	250(255.0)	35						
	GUJB-130(L)		180(183.6)	40						
	UWEJB-130(L)	Antistatic PU(Including B)	250(255.0)	35						
	PHJB-130(L)	Heat Resistant Phenol	180(183.6)	40						

Wheel Type

W	NR	WE	WO	W -G	NR -G	MCB	UW	GU
Wheel:Steel Tread:Rubber (Including B)	Wheel:Nylon Tread:Rubber (Including B)	Wheel:Steel Tread:Conductive Rubber (Including B)	Wheel:Steel Tread:Oil Resistant Rubber (Including B)	Wheel:Steel Tread:Grey Rubber (Including B)	Wheel:Nylon Tread:Grey Rubber (Including B)	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon (Including B)	Wheel:Steel Tread:PU (Including B)	Wheel:Nylon Tread:PU (Including B)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
150	**WJB-150(L)**	Rubber(Including B)	200(204.0)	40	198	120×120	94×94(87×87)	11	40	133
	NRJB-150(L)									
	WEJB-150(L)	Conductive Rubber(Including B)								
	WOJB-150(L)	Oil Resistant Rubber(Including B)								
	WJB-150(L)-G	Grey Rubber(Including B)								
	NRJB-150(L)-G									
	MCBJB-150(L)	Monomer Cast Nylon(Including B)								
	UWJB-150(L)	PU(Including B)	300(306.0)	38						
	GUJB-150(L)		200(204.0)	40						
	UWEJB-150(L)	Antistatic PU(Including B)	300(306.0)	38						
	PHJB-150(L)	Heat Resistant Phenol	200(204.0)	40						
200	**WJB-200(L)**	Rubber(Including B)	250(255.0)	43	250	140×140	115×115(105×105)	11.5	56	156
	WEJB-200(L)	Conductive Rubber(Including B)								
	WOJB-200(L)	Oil Resistant Rubber(Including B)								
	WJB-200(L)-G	Grey Rubber(Including B)								
	MCBJB-200(L)	Monomer Cast Nylon(Including B)	250(255.0)	43						
	UWJB-200(L)	PU(Including B)	400(408.0)	42						
	GUJB-200(L)		250(255.0)	43						
	UWEJB-200(L)	Antistatic PU(Including B)	400(408.0)	42						

Wheel Type

UWE
Wheel : Steel
Tread : Antistatic PU (Including B)

PH
Wheel : Heat Resistant Phenol
Tread : Heat Resistant Phenol

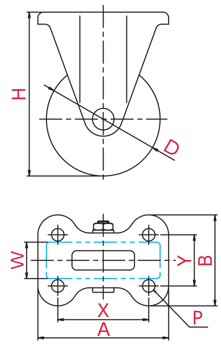
K Type

Fixed | **Plate Type**

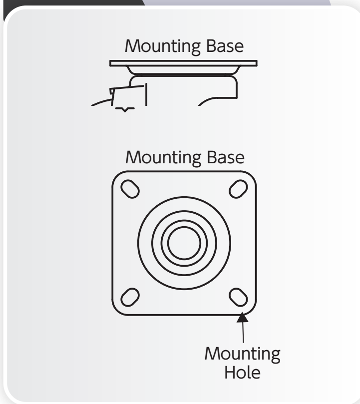
ϕ 75 100 130 150 200 250

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

UWK-150



Mounting Method | Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: UW (Wheel Type) K (Bracket Type) - 150 (Wheel Diameter)

▼ Use together with **Swivel**

J Type P.084 | J-S Type P.086 | JB[R] Type P.088 | JB[L] Type P.090

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
75	WK-75	Rubber(Including B)	80(81.6)	32	103	95×72	63×40	9.5
	UWK-75	PU(Including B)	120(122.4)					
	GUK-75		100(102.0)					
100	WK-100	Rubber(Including B)	120(122.4)	32	144	115×80	80×45	11
	NRK-100		100(102.0)					
	WEK-100	Conductive Rubber(Including B)	120(122.4)					
	WOK-100	Oil Resistant Rubber(Including B)						
	WK-100-G	Grey Rubber(Including B)						
	NRK-100-G		100(102.0)					
	MCBK-100	Monomer Cast Nylon(Including B)						
	UWK-100	PU(Including B)	180(183.6)					
	GUK-100		100(102.0)					
	UWEK-100	Antistatic PU(Including B)	180(183.6)					
	PHK-100	Heat Resistant Phenol	100(102.0)					
130	WK-130	Rubber(Including B)	180(183.6)	40	177	137×93	100×56	11
	NRK-130							
	WEK-130	Conductive Rubber(Including B)						
	WOK-130	Oil Resistant Rubber(Including B)						
	WK-130-G	Grey Rubber(Including B)						
	MCBK-130	Monomer Cast Nylon(Including B)						
	UWK-130	PU(Including B)	250(255.0)	35				
	GUK-130		180(183.6)	40				
	UWEK-130	Antistatic PU(Including B)	250(255.0)	35				
	PHK-130	Heat Resistant Phenol	180(183.6)	40				

Wheel Type

W	NR	AW	WE	WO	W -G	NR -G	MCB	UW
Wheel: Steel Tread: Rubber (Including B)	Wheel: Nylon Tread: Rubber (Including B)	Wheel: Aluminum Tread: Rubber (Including B)	Wheel: Steel Tread: Conductive Rubber (Including B)	Wheel: Steel Tread: Oil Resistant Rubber (Including B)	Wheel: Steel Tread: Grey Rubber (Including B)	Wheel: Nylon Tread: Grey Rubber (Including B)	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (Including B)	Wheel: Steel Tread: PU (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

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
150	**WK-150**	Rubber(Including B)	200(204.0)	40	198	137×93	100×56	11
	NRK-150							
	WEK-150	Conductive Rubber(Including B)						
	WOK-150	Oil Resistant Rubber(Including B)						
	WK-150-G	Grey Rubber(Including B)						
	NRK-150-G							
	MCBK-150	Monomer Cast Nylon(Including B)						
	UWK-150	PU(Including B)	300(306.0)	38				
	GUK-150		200(204.0)	40				
	UWEK-150	Antistatic PU(Including B)	300(306.0)	38				
	PHK-150	Heat Resistant Phenol	200(204.0)	40				
200	**WK-200**	Rubber(Including B)	250(255.0)	43	250	151×102	112×63	11.5
	WEK-200	Conductive Rubber(Including B)						
	WOK-200	Oil Resistant Rubber(Including B)						
	WK-200-G	Grey Rubber(Including B)						
	MCBK-200	Monomer Cast Nylon(Including B)						
	UWK-200	PU(Including B)	400(408.0)	42				
	GUK-200		250(255.0)	43				
	UWEK-200	Antistatic PU(Including B)	400(408.0)	42				
250	**AWK-250**	Rubber(Including B)	400(408.0)	60	305	200×140	140×80	14
	AUK-250	PU(Including B)	600(612.0)	45				

Wheel Type


GU
Wheel : Nylon
Tread : PU (Including B)


AU
Wheel : Aluminum
Tread : PU (Including B)


UWE
Wheel : Steel
Tread : Antistatic PU (Including B)


PH
Wheel : Heat Resistant Phenol
Tread : Heat Resistant Phenol

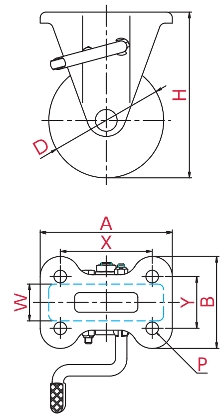
KB[R] Type

Fixed | Plate Type

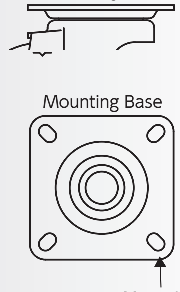
ϕ 100 130 150 200

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

GUKB-150(R)



Mounting Method | Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: GU (Wheel Type) K (Bracket Type) B (Stopper) - 150 (Wheel Diameter) (R) (Lever Direction)

▼ Use together with Swivel

J Type P.084 | J-S Type P.086 | JB[R] Type P.088 | JB[L] Type P.090

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
100	WKB-100(R)	Rubber(Including B)	120(122.4)	32	144	115×80	80×45	11
100	NRKB-100(R)	Rubber(Including B)	100(102.0)	32	144	115×80	80×45	11
100	WEKB-100(R)	Conductive Rubber(Including B)	120(122.4)	32	144	115×80	80×45	11
100	WOKB-100(R)	Oil Resistant Rubber(Including B)	120(122.4)	32	144	115×80	80×45	11
100	WKB-100(R)-G	Grey Rubber(Including B)	120(122.4)	32	144	115×80	80×45	11
100	NRKB-100(R)-G	Grey Rubber(Including B)	100(102.0)	32	144	115×80	80×45	11
100	MCBKB-100(R)	Monomer Cast Nylon(Including B)	100(102.0)	32	144	115×80	80×45	11
100	UWKB-100(R)	PU(Including B)	180(183.6)	32	144	115×80	80×45	11
100	GUKB-100(R)	PU(Including B)	100(102.0)	32	144	115×80	80×45	11
100	UWEKB-100(R)	Antistatic PU(Including B)	180(183.6)	32	144	115×80	80×45	11
100	PHKB-100(R)	Heat Resistant Phenol	100(102.0)	32	144	115×80	80×45	11
130	WKB-130(R)	Rubber(Including B)	180(183.6)	40	177	137×93	100×56	11
130	NRKB-130(R)	Rubber(Including B)	180(183.6)	40	177	137×93	100×56	11
130	WEKB-130(R)	Conductive Rubber(Including B)	180(183.6)	40	177	137×93	100×56	11
130	WOKB-130(R)	Oil Resistant Rubber(Including B)	180(183.6)	40	177	137×93	100×56	11
130	WKB-130(R)-G	Grey Rubber(Including B)	180(183.6)	40	177	137×93	100×56	11
130	MCBKB-130(R)	Monomer Cast Nylon(Including B)	180(183.6)	40	177	137×93	100×56	11
130	UWKB-130(R)	PU(Including B)	250(255.0)	35	177	137×93	100×56	11
130	GUKB-130(R)	PU(Including B)	180(183.6)	40	177	137×93	100×56	11
130	UWEKB-130(R)	Antistatic PU(Including B)	250(255.0)	35	177	137×93	100×56	11
130	PHKB-130(R)	Heat Resistant Phenol	180(183.6)	40	177	137×93	100×56	11

Wheel Type

- W — Wheel: Steel, Tread: Rubber (Including B)
- NR — Wheel: Nylon, Tread: Rubber (Including B)
- WE — Wheel: Steel, Tread: Conductive Rubber (Including B)
- WO — Wheel: Steel, Tread: Oil Resistant Rubber (Including B)
- W -G — Wheel: Steel, Tread: Grey Rubber (Including B)
- NR -G — Wheel: Nylon, Tread: Grey Rubber (Including B)
- MCB — Wheel: Monomer Cast Nylon, Tread: Monomer Cast Nylon (Including B)
- UW — Wheel: Steel, Tread: PU (Including B)
- GU — Wheel: Nylon, Tread: PU (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

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
150	WKB-150(R)	Rubber(Including B)	200(204.0)	40	198	137×93	100×56	11
	NRKB-150(R)							
	WEKB-150(R)	Conductive Rubber(Including B)						
	WOKB-150(R)	Oil Resistant Rubber(Including B)						
	WKB-150(R)-G	Grey Rubber(Including B)						
	NRKB-150(R)-G							
	MCBKB-150(R)	Monomer Cast Nylon(Including B)						
	UWKB-150(R)	PU(Including B)	300(306.0)	38				
	GUKB-150(R)		200(204.0)	40				
	UWEKB-150(R)	Antistatic PU(Including B)	300(306.0)	38				
	PHKB-150(R)	Heat Resistant Phenol	200(204.0)	40				
200	WKB-200(R)	Rubber(Including B)	250(255.0)	43	250	151×102	112×63	11.5
	WEKB-200(R)	Conductive Rubber(Including B)						
	WOKB-200(R)	Oil Resistant Rubber(Including B)						
	WKB-200(R)-G	Grey Rubber(Including B)						
	MCBKB-200(R)	Monomer Cast Nylon(Including B)						
	UWKB-200(R)	PU(Including B)	400(408.0)	42				
	GUKB-200(R)		250(255.0)	43				
	UWEKB-200(R)	Antistatic PU(Including B)	400(408.0)	42				

Wheel Type

UWE
Wheel : Steel
Tread : Antistatic PU (Including B)

PH
Wheel : Heat Resistant Phenol
Tread : Heat Resistant Phenol

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

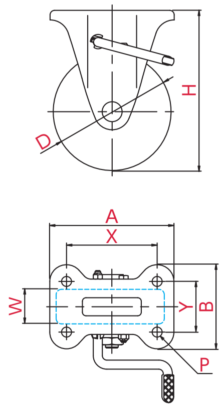
KB[L] Type

Fixed | Plate Type

ϕ 100 130 150 200

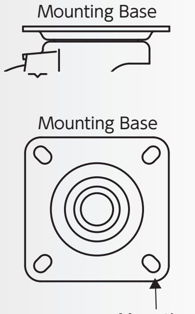
BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

GUKB-150(L)



The picture is a typical product image.

Mounting Method | Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with | Swivel


J Type P.084

J-S Type P.086

JB[R] Type P.088

JB[L] Type P.090

Order Example	GU	K	B	-	150	(L)
	Wheel Type	Bracket Type	Stopper		Wheel Diameter	Lever Direction

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
100	WKB-100(L)	Rubber(Including B)	120(122.4)	32	144	115×80	80×45	11
	NRKB-100(L)		100(102.0)					
	WEKB-100(L)	Conductive Rubber(Including B)	120(122.4)					
	WOKB-100(L)	Oil Resistant Rubber(Including B)						
	WKB-100(L)-G	Grey Rubber(Including B)						
	NRKB-100(L)-G		100(102.0)					
	MCBKB-100(L)	Monomer Cast Nylon(Including B)						
	UWKB-100(L)	PU(Including B)	180(183.6)					
	GUKB-100(L)		100(102.0)					
	UWEKB-100(L)	Antistatic PU(Including B)	180(183.6)					
	PHKB-100(L)	Heat Resistant Phenol	100(102.0)					
130	WKB-130(L)	Rubber(Including B)	180(183.6)	40	177	137×93	100×56	11
	NRKB-130(L)							
	WEKB-130(L)	Conductive Rubber(Including B)						
	WOKB-130(L)	Oil Resistant Rubber(Including B)						
	WKB-130(L)-G	Grey Rubber(Including B)						
	MCBKB-130(L)	Monomer Cast Nylon(Including B)						
	UWKB-130(L)	PU(Including B)	250(255.0)	35				
	GUKB-130(L)		180(183.6)	40				
	UWEKB-130(L)	Antistatic PU(Including B)	250(255.0)	35				
	PHKB-130(L)	Heat Resistant Phenol	180(183.6)	40				

Wheel Type

W	NR	WE	WO	W -G	NR -G	MCB	UW	GU
Wheel:Steel	Wheel:Nylon	Wheel:Steel	Wheel:Steel	Wheel:Steel	Wheel:Nylon	Wheel:Monomer Cast Nylon	Wheel:Steel	Wheel:Nylon
Tread:Rubber (Including B)	Tread:Rubber (Including B)	Tread:Conductive Rubber (Including B)	Tread:Oil Resistant Rubber (Including B)	Tread:Grey Rubber (Including B)	Tread:Grey Rubber (Including B)	Tread:Monomer Cast Nylon (Including B)	Tread:PU (Including B)	Tread:PU (Including B)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
150	WKB-150(L)	Rubber(Including B)	200(204.0)	40	198	137×93	100×56	11
	NRKB-150(L)							
	WEKB-150(L)	Conductive Rubber(Including B)						
	WOKB-150(L)	Oil Resistant Rubber(Including B)						
	WKB-150(L)-G	Grey Rubber(Including B)						
	NRKB-150(L)-G							
	MCBKB-150(L)	Monomer Cast Nylon(Including B)						
	UWKB-150(L)	PU(Including B)	300(306.0)	38				
	GUKB-150(L)		200(204.0)	40				
	UWEKB-150(L)	Antistatic PU(Including B)	300(306.0)	38				
	PHKB-150(L)	Heat Resistant Phenol	200(204.0)	40				
200	WKB-200(L)	Rubber(Including B)	250(255.0)	43	250	151×102	112×63	11.5
	WEKB-200(L)	Conductive Rubber(Including B)						
	WOKB-200(L)	Oil Resistant Rubber(Including B)						
	WKB-200(L)-G	Grey Rubber(Including B)						
	MCBKB-200(L)	Monomer Cast Nylon(Including B)						
	UWKB-200(L)	PU(Including B)	400(408.0)	42				
	GUKB-200(L)		250(255.0)	43				
	UWEKB-200(L)	Antistatic PU(Including B)	400(408.0)	42				

Wheel Type


UWE
Wheel : Steel
Tread : Antistatic PU (Including B)


PH
Wheel : Heat Resistant Phenol
Tread : Heat Resistant Phenol

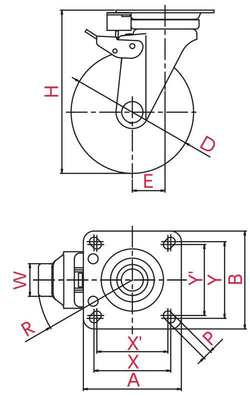
JK Type

Swivel | **Plate Type**

φ 150

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Spirally Fixing Type | Double Stopper

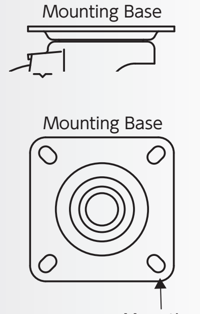
GUJK-150



The picture is a typical product image.

Order Example	GU	JK	-	150
	Wheel Type	Bracket Type		Wheel Diameter

Mounting Method — Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with **Fixed**

K Type P.092
KB[R] Type P.094
KB[L] Type P.096

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
150	WJK-150	Rubber(Including B)	200(204.0)	40	198	120×120	94×94(87×87)	11	40	115
	NRJK-150									
	WEJK-150	Conductive Rubber(Including B)								
	WOJK-150	Oil Resistant Rubber(Including B)								
	WJK-150-G	Grey Rubber(Including B)								
	NRJK-150-G									
	MCBJK-150	Monomer Cast Nylon(Including B)								
	UWJK-150	PU(Including B)	300(306.0)	38						
	GUJK-150		200(204.0)	40						
	UWEJK-150	Antistatic PU(Including B)	300(306.0)	38						
	PHJK-150	Heat Resistant Phenol	200(204.0)	40						

Wheel Type

Code	Wheel	Tread
W	Steel	Rubber (Including B)
NR	Nylon	Rubber (Including B)
WE	Steel	Conductive Rubber (Including B)
WO	Steel	Oil Resistant Rubber (Including B)
W -G	Steel	Grey Rubber (Including B)
NR -G	Nylon	Grey Rubber (Including B)
MCB	Monomer Cast Nylon	Monomer Cast Nylon (Including B)
UW	Steel	PU (Including B)
GU	Nylon	PU (Including B)
UWE	Steel	Antistatic PU (Including B)
PH	Heat Resistant Phenol	Heat Resistant Phenol

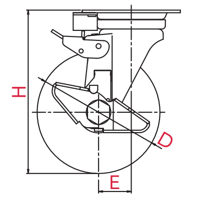
G-type
L-type
E-type
M-type
S-type
J-type
PM-type
H-type
AF-type
NP-type
SKY-type
SILENT-type
OTHER

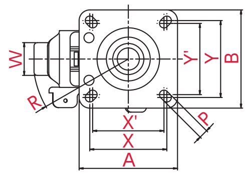
JK-S Type

Swivel · Plate Type · ϕ 150

BZP (Brilliant Zinc Plating) · CP (Chromium Plating) · Single Bearing · Double Bearing · Spirally Fixing Type · Single Stopper

GUJK-150S





Mounting Method — Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example

GU	JK	-	150	S
Wheel Type	Bracket Type		Wheel Diameter	Stopper

▼ Use together with **Fixed**

K Type P.092

KB[R] Type P.094

KB[L] Type P.096

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
	WJK-150S	Rubber(Including B)								
	NRJK-150S									
	WEJK-150S	Conductive Rubber(Including B)								
	WOJK-150S	Oil Resistant Rubber(Including B)	200(204.0)	40						
	WJK-150S-G	Grey Rubber(Including B)								
150	NRJK-150S-G				198	120×120	94×94(87×87)	11	40	115
	MCBJK-150S	Monomer Cast Nylon(Including B)								
	UWJK-150S	PU(Including B)	300(306.0)	38						
	GUJK-150S		200(204.0)	40						
	UWEJK-150S	Antistatic PU(Including B)	300(306.0)	38						

Wheel Type

W Wheel：Steel / Tread：Rubber (Including B)

NR Wheel：Nylon / Tread：Rubber (Including B)

WE Wheel：Steel / Tread：Conductive Rubber (Including B)

WO Wheel：Steel / Tread：Oil Resistant Rubber (Including B)

W -G Wheel：Steel / Tread：Grey Rubber (Including B)

NR -G Wheel：Nylon / Tread：Grey Rubber (Including B)

MCB Wheel：Monomer Cast Nylon / Tread：Monomer Cast Nylon (Including B)

UW Wheel：Steel / Tread：PU (Including B)

GU Wheel：Nylon / Tread：PU (Including B)

UWE Wheel：Steel / Tread：Antistatic PU (Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESSTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

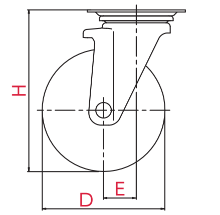
PMS Type

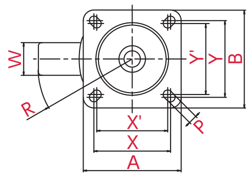
Swivel | Plate Type

ϕ 100 130 150 200

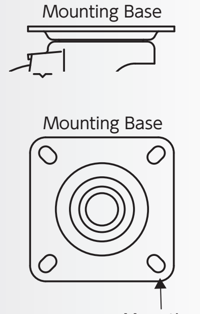
BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

PMS-150AW





Mounting Method | Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley*
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with | Fixed

The picture is a typical product image.

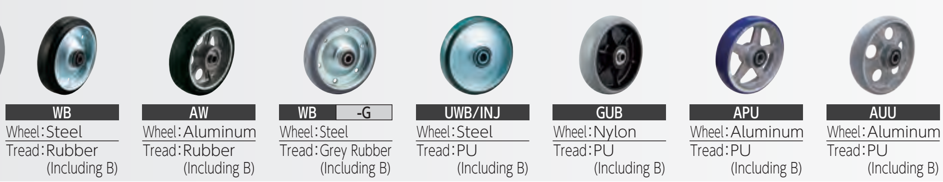
Order Example: PMS - 150 AW
(PMS: Bracket Type; 150: Wheel Diameter; AW: Wheel Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
100	PMS-100WB	Rubber(Including B)	120(122.4)	32	144	95×95	74×74(67×67)	11	32	82
	PMS-100UWB/INJ	PU(Including B)	180(183.6)							
	PMS-100GUB		100(102.0)							
	PMS-100APU		180(183.6)							
130	PMS-130WB	Rubber(Including B)	180(183.6)	40	177	110×110	90×90(80×80)	11	40	105
	PMS-130WB-G	Grey Rubber(Including B)								
	PMS-130UWB/INJ	PU(Including B)	250(255.0)	35						
	PMS-130GUB		180(183.6)	40						
	PMS-130APU		250(255.0)	35						
150	PMS-150WB •	Rubber(Including B)	200(204.0)	40	198	120×120	94×94(87×87)	11	40	115
	PMS-150AW* •		250(255.0)	42						
	PMS-150WB-G	Grey Rubber(Including B)	200(204.0)	40						
	PMS-150UWB/INJ •	PU(Including B)	300(306.0)	38						
	PMS-150GUB •		200(204.0)	40						
	PMS-150APU		300(306.0)	38						
	PMS-150AUU		350(357.0)	42						
200	PMS-200WB •	Rubber(Including B)	250(255.0)	43	250	144×144	120×120(105×105)	11.5	56	156
	PMS-200AW*		300(306.0)	45						
	PMS-200WB-G	Grey Rubber(Including B)	250(255.0)	43						
	PMS-200UWB/INJ •	PU(Including B)	400(408.0)	42						
	PMS-200GUB •		250(255.0)	43						
	PMS-200APU		400(408.0)	45						
	PMS-200AUU									

*Only AW wheel is adaptable for towing.

• Sign: With foot guard type is available.
▸ P.109

Wheel Type



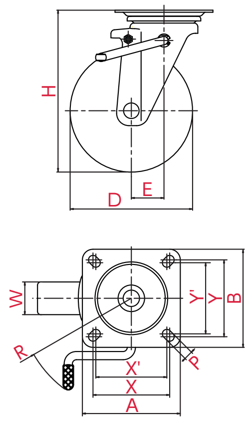
PMS-LB[R] Type

Swivel | Plate Type

ϕ 130 150 200

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

PMS-150AWLB(R)



The picture is a typical product image.

Mounting Method | Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley*
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example: PMS (Bracket Type) - 150 (Wheel Diameter) AW (Wheel Type) LB (Stopper) (R) (Lever Direction)

Use together with Fixed

PMR Type P.103 | PMR-LB[R] Type P.104 | PMR-LB[L] Type P.105

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
130	PMS-130WBLB(R)	Rubber(Including B)	180(183.6)	40	177	110×110	90×90(80×80)	11	40	136
	PMS-130WBLB(R)-G	Grey Rubber(Including B)								
	PMS-130UWBLB(R)/INJ	PU(Including B)	250(255.0)	35						
	PMS-130GUBLB(R)		180(183.6)	40						
	PMS-130APULB(R)		250(255.0)	35						
150	PMS-150WBLB(R) ●	Rubber(Including B)	200(204.0)	40	198	120×120	94×94(87×87)	11	40	136
	PMS-150AWLB(R)* ●		250(255.0)	42						
	PMS-150WBLB(R)-G	Grey Rubber(Including B)	200(204.0)	40						
	PMS-150UWBLB(R)/INJ ●	PU(Including B)	300(306.0)	38						
	PMS-150GUBLB(R) ●		200(204.0)	40						
	PMS-150APULB(R)		300(306.0)	38						
	PMS-150AUULB(R)		350(357.0)	42						
200	PMS-200WBLB(R) ●	Rubber(Including B)	250(255.0)	43	250	144×144	120×120(105×105)	11.5	56	156
	PMS-200AWLB(R)*		300(306.0)	45						
	PMS-200WBLB(R)-G	Grey Rubber(Including B)	250(255.0)	43						
	PMS-200UWBLB(R)/INJ ●	PU(Including B)	400(408.0)	42						
	PMS-200GUBLB(R) ●		250(255.0)	43						
	PMS-200APULB(R)		400(408.0)	45						
	PMS-200AUULB(R)									

*Only AW wheel is adaptable for towing.

● Sign With foot guard type is available. ▸P.109

Wheel Type

WB	AW	WB -G	UWB/INJ	GUB	APU	AUU
Wheel: Steel Tread: Rubber (Including B)	Wheel: Aluminum Tread: Rubber (Including B)	Wheel: Steel Tread: Grey Rubber (Including B)	Wheel: Steel Tread: PU (Including B)	Wheel: Nylon Tread: PU (Including B)	Wheel: Aluminum Tread: PU (Including B)	Wheel: Aluminum Tread: PU (Including B)

Light Duty LIGHTSTAR | Medium Duty MIDDLESTAR | Heavy Duty HEAVYSTAR | Low-Profile Heavy Duty SHORTSTAR | Leveling LOCKSTAR | Stainless Steel STAINLESSTAR | Towing LEADSTAR | Shock Absorbing SMOOSTAR | Silence SILENTSTAR | Office Equipment OFFICESTAR

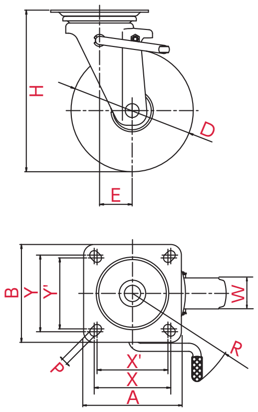
PMS-LB[L] Type

Swivel | Plate Type

ϕ 130 150 200

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

PMS-150AWLB(L)



The picture is a typical product image.

Order Example	PMS	-	150	AW	LB	(L)
	Bracket Type		Wheel Diameter	Wheel Type	Stopper	Lever Direction

Mounting Method: Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley*
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with **Fixed**

PMR Type P.103 | PMR-LB[R] Type P.104 | PMR-LB[L] Type P.105

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
130	PMS-130WBLB(L)	Rubber(Including B)	180(183.6)	40	177	110×110	90×90(80×80)	11	40	136
	PMS-130WBLB(L)-G	Grey Rubber(Including B)								
	PMS-130UWBLB(L)/INJ	PU(Including B)	250(255.0)	35						
	PMS-130GUBLB(L)		180(183.6)	40						
	PMS-130APULB(L)		250(255.0)	35						
150	PMS-150WBLB(L) ●	Rubber(Including B)	200(204.0)	40	198	120×120	94×94(87×87)	11	40	136
	PMS-150AWLB(L)* ●		250(255.0)	42						
	PMS-150WBLB(L)-G	Grey Rubber(Including B)	200(204.0)	40						
	PMS-150UWBLB(L)/INJ ●	PU(Including B)	300(306.0)	38						
	PMS-150GUBLB(L) ●		200(204.0)	40						
	PMS-150APULB(L)		300(306.0)	38						
	PMS-150AUULB(L)		350(357.0)	42						
200	PMS-200WBLB(L) ●	Rubber(Including B)	250(255.0)	43	250	144×144	120×120(105×105)	11.5	56	156
	PMS-200AWLB(L)*		300(306.0)	45						
	PMS-200WBLB(L)-G	Grey Rubber(Including B)	250(255.0)	43						
	PMS-200UWBLB(L)/INJ ●	PU(Including B)	400(408.0)	42						
	PMS-200GUBLB(L) ●		250(255.0)	43						
	PMS-200APULB(L)		400(408.0)	45						
	PMS-200AUULB(L)									

*Only AW wheel is adaptable for towing.

● Sign: With foot guard type is available. ▸ P.109

Wheel Type

WB	AW	WB -G	UWB/INJ	GUB	APU	AUU
Wheel: Steel Tread: Rubber (Including B)	Wheel: Aluminum Tread: Rubber (Including B)	Wheel: Steel Tread: Grey Rubber (Including B)	Wheel: Steel Tread: PU (Including B)	Wheel: Nylon Tread: PU (Including B)	Wheel: Aluminum Tread: PU (Including B)	Wheel: Aluminum Tread: PU (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

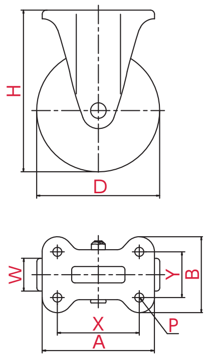
PMR Type

Fixed **Plate Type**

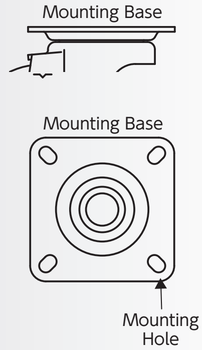
ϕ 100 130 150 200

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

PMR-150AW



Mounting Method **Plate Type**



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley*
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with **Swivel**


PMS Type P.100


PMS-LB[R] Type P.101


PMS-LB[L] Type P.102

The picture is a typical product image.

Order Example	PMR	-	150	AW
	Bracket Type		Wheel Diameter	Wheel Type

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
100	PMR-100WB	Rubber(Including B)	120(122.4)	32	144	115×80	80×45	11
	PMR-100UWB/INJ	PU(Including B)	180(183.6)					
	PMR-100GUB		100(102.0)					
	PMR-100APU		180(183.6)					
130	PMR-130WB	Rubber(Including B)	180(183.6)	40	177	137×93	100×56	11
	PMR-130WB-G	Grey Rubber(Including B)						
	PMR-130UWB/INJ	PU(Including B)	250(255.0)	35				
	PMR-130GUB		180(183.6)	40				
	PMR-130APU		250(255.0)	35				
150	PMR-150WB	Rubber(Including B)	200(204.0)	40	198	137×93	112×50(100×56)	11
	PMR-150AW*		250(255.0)	42				
	PMR-150WB-G	Grey Rubber(Including B)	200(204.0)	40				
	PMR-150UWB/INJ	PU(Including B)	300(306.0)	38				
	PMR-150GUB		200(204.0)	40				
	PMR-150APU		300(306.0)	38				
	PMR-150AUU		350(357.0)	42				
200	PMR-200WB	Rubber(Including B)	250(255.0)	43	250	151×102	112×63	11.5
	PMR-200AW*		300(306.0)	45				
	PMR-200WB-G	Grey Rubber(Including B)	250(255.0)	43				
	PMR-200UWB/INJ	PU(Including B)	400(408.0)	42				
	PMR-200GUB		250(255.0)	43				
	PMR-200APU		400(408.0)	45				
	PMR-200AUU							

*Only AW wheel is adaptable for towing.

Wheel Type

WB	AW	WB -G	UWB/INJ	GUB	APU	AUU
Wheel:Steel	Wheel:Aluminum	Wheel:Steel	Wheel:Steel	Wheel:Nylon	Wheel:Aluminum	Wheel:Aluminum
Tread:Rubber (Including B)	Tread:Rubber (Including B)	Tread:Grey Rubber (Including B)	Tread:PU (Including B)	Tread:PU (Including B)	Tread:PU (Including B)	Tread:PU (Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

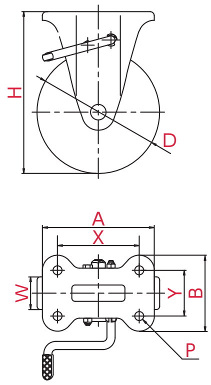
PMR-LB[R] Type

Fixed | Plate Type

ϕ 130 150 200

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

PMR-150AWLB(R)



The picture is a typical product image.

Mounting Method: Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley*
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example: PMR (Bracket Type) - 150 (Wheel Diameter) AW (Wheel Type) LB (Stopper) (R) (Lever Direction)

▼ Use together with **Swivel**


PMS Type P.100


PMS-LB[R] Type P.101


PMS-LB[L] Type P.102

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
130	PMR-130WBLB(R)	Rubber(Including B)	180(183.6)	40	177	137×93	100×56	11
	PMR-130WBLB(R)-G	Grey Rubber(Including B)						
	PMR-130UWBLB(R)/INJ	PU(Including B)	250(255.0)	35				
	PMR-130GUBLB(R)		180(183.6)	40				
	PMR-130APULB(R)		250(255.0)	35				
150	PMR-150WBLB(R)	Rubber(Including B)	200(204.0)	40	198	137×93	112×50(100×56)	11
	PMR-150AWLB(R)*		250(255.0)	42				
	PMR-150WBLB(R)-G	Grey Rubber(Including B)	200(204.0)	40				
	PMR-150UWBLB(R)/INJ	PU(Including B)	300(306.0)	38				
	PMR-150GUBLB(R)		200(204.0)	40				
	PMR-150APULB(R)		300(306.0)	38				
	PMR-150AUULB(R)		350(357.0)	42				
200	PMR-200WBLB(R)	Rubber(Including B)	250(255.0)	43	250	151×102	112×63	11.5
	PMR-200AWLB(R)*		300(306.0)	45				
	PMR-200WBLB(R)-G	Grey Rubber(Including B)	250(255.0)	43				
	PMR-200UWBLB(R)/INJ	PU(Including B)	400(408.0)	42				
	PMR-200GUBLB(R)		250(255.0)	43				
	PMR-200APULB(R)		400(408.0)	45				
	PMR-200AUULB(R)							

*Only AW wheel is adaptable for towing.

Wheel Type

WB	AW	WB -G	UWB/INJ	GUB	APU	AUU
Wheel:Steel Tread:Rubber (Including B)	Wheel:Aluminum Tread:Rubber (Including B)	Wheel:Steel Tread:Grey Rubber (Including B)	Wheel:Steel Tread:PU (Including B)	Wheel:Nylon Tread:PU (Including B)	Wheel:Aluminum Tread:PU (Including B)	Wheel:Aluminum Tread:PU (Including B)

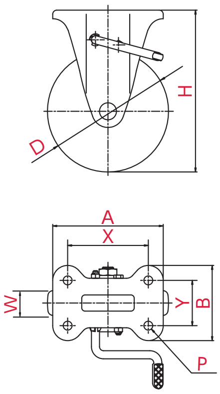
PMR-LB[L] Type

Fixed | **Plate Type**

ϕ 130 150 200

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

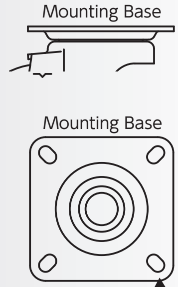
PMR-150AWLB(L)



The picture is a typical product image.

Mounting Method — **Plate Type**

Mounting Base



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley*
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example

PMR	-	150	AW	LB	(L)
Bracket Type		Wheel Diameter	Wheel Type	Stopper	Lever Direction

▼ Use together with **Swivel**

PMS Type P.100 | PMS-LB[R] Type P.101 | PMS-LB[L] Type P.102

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
130	PMR-130WBLB(L)	Rubber(Including B)	180(183.6)	40	177	137×93	100×56	11
	PMR-130WBLB(L)-G	Grey Rubber(Including B)						
	PMR-130UWBLB(L)/INJ	PU(Including B)	250(255.0)	35				
	PMR-130GUBLB(L)		180(183.6)	40				
	PMR-130APULB(L)		250(255.0)	35				
150	PMR-150WBLB(L)	Rubber(Including B)	200(204.0)	40	198	137×93	112×50(100×56)	11
	PMR-150AWLB(L)*		250(255.0)	42				
	PMR-150WBLB(L)-G	Grey Rubber(Including B)	200(204.0)	40				
	PMR-150UWBLB(L)/INJ	PU(Including B)	300(306.0)	38				
	PMR-150GUBLB(L)		200(204.0)	40				
	PMR-150APULB(L)		300(306.0)	38				
	PMR-150AUULB(L)		350(357.0)	42				
200	PMR-200WBLB(L)	Rubber(Including B)	250(255.0)	43	250	151×102	112×63	11.5
	PMR-200AWLB(L)*		300(306.0)	45				
	PMR-200WBLB(L)-G	Grey Rubber(Including B)	250(255.0)	43				
	PMR-200UWBLB(L)/INJ	PU(Including B)	400(408.0)	42				
	PMR-200GUBLB(L)		250(255.0)	43				
	PMR-200APULB(L)		400(408.0)	45				
	PMR-200AUULB(L)							

*Only AW wheel is adaptable for towing.

Wheel Type

WB	AW	WB -G	UWB/INJ	GUB	APU	AUU
Wheel:Steel Tread:Rubber (Including B)	Wheel:Aluminum Tread:Rubber (Including B)	Wheel:Steel Tread:Grey Rubber (Including B)	Wheel:Steel Tread:PU (Including B)	Wheel:Nylon Tread:PU (Including B)	Wheel:Aluminum Tread:PU (Including B)	Wheel:Aluminum Tread:PU (Including B)

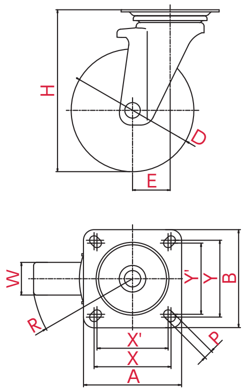
Light Duty LIGHTSTAR | Medium Duty MIDDLESTAR | Heavy Duty HEAVYSTAR | Low-Profile Heavy Duty SHORTSTAR | Leveling LOCKSTAR | Stainless Steel STAINLESTAR | Towing LEADSTAR | Shock Absorbing SMOOSTAR | Silence SILENTSTAR | Office Equipment OFFICESTAR

PMS Type(E46) ϕ 150

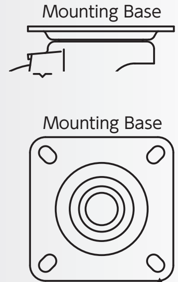
Swivel | Plate Type

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

PMS-150WB(E46)



Mounting Method | Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: PMS (Bracket Type) - 150 (Wheel Diameter) WB (Wheel Type) (E46) (Bracket Type)

Use together with Fixed

PMR Type P.103
PMR-LB[R] Type P.104
PMR-LB[L] Type P.105

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
150	**PMS-150WB(E46)**	Rubber(Including B)	200(204.0)	40	198	120×120	94×94(87×87)	11	46	121
	PMS-150UWB/INJ(E46)	PU(Including B)	300(306.0)	38						
	PMS-150APU(E46)									

Wheel Type

WB
Wheel: Steel
Tread: Rubber
(Including B)

UWB/INJ
Wheel: Steel
Tread: PU
(Including B)

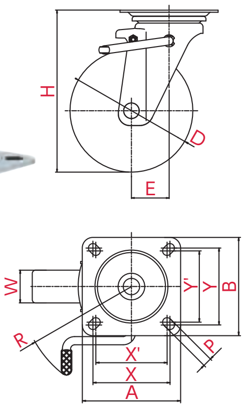
APU
Wheel: Aluminum
Tread: PU
(Including B)

PMS-LB Swivel Type (E46) Plate Type ϕ 150

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

PMS-150WBLB (R) (E46)

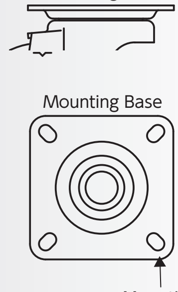
PMS-150WBLB (L) (E46)



The picture is a typical product image.

Mounting Method | Plate Type

Mounting Base



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example	PMS	-	150	WB	LB	(R)	(E46)
	Bracket Type		Wheel Diameter	Wheel Type	Stopper	Lever Direction	Bracket Type

Use together with Fixed


PMR Type
P.103


PMR-LB[R] Type
P.104


PMR-LB[L] Type
P.105

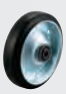
PMS-LB (R) Type (E46)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
150	PMS-150WBLB(R)(E46)	Rubber(Including B)	200(204.0)	40	198	120×120	94×94(87×87)	11	46	136
	PMS-150UWBLB(R)/INJ(E46)	PU(Including B)	300(306.0)	38						
	PMS-150APULB(R)(E46)									

PMS-LB (L) Type (E46)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
150	PMS-150WBLB(L)(E46)	Rubber(Including B)	200(204.0)	40	198	120×120	94×94(87×87)	11	46	136
	PMS-150UWBLB(L)/INJ(E46)	PU(Including B)	300(306.0)	38						
	PMS-150APULB(L)(E46)									

Wheel Type


WB
Wheel: Steel
Tread: Rubber
(Including B)


UWB/INJ
Wheel: Steel
Tread: PU
(Including B)


APU
Wheel: Aluminum
Tread: PU
(Including B)

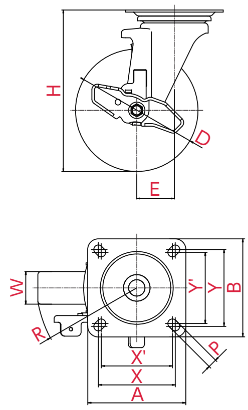
Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESSTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

PMS-S Type(E46)

Swivel | Plate Type | ϕ 150

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

PMS-150WBDS(E46)



The picture is a typical product image.

Order Example

PMS	-	150	WB	DS	(E46)
Bracket Type		Wheel Diameter	Wheel Type	Stopper	Bracket Type

Mounting Method — Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Fixed

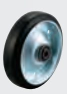

PMR Type P.103


PMR-LB[R] Type P.104


PMR-LB[L] Type P.105

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
150	**PMS-150WBDS(E46)**	Rubber(Including B)	200(204.0)	40	198	120×120	94×94(87×87)	11	46	121
	PMS-150UWBDS/INJ(E46)	PU(Including B)	300(306.0)	38						

Wheel Type



WB
Wheel: Steel
Tread: Rubber
(Including B)

UWB/INJ
Wheel: Steel
Tread: PU
(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

Foot Guard Option

Applicable Products:P.100~P.102

PMS Type

The caster wheel with foot guard.
This option makes "Customer's Safety".
Concept is preventing accidents.
We realized customer's request.

POINT.1 Doesn't matter if guard hit your foot

25mm space from floor to guard makes hard to be caught shoes and hem of pants.
This guard prevents to be caught and get over your foot.

POINT.2 Line up - 150mm, 200mm

PMS Type - High performance for Starting, wonderful working in industrial use. The guard can be attached on 150mm and 200mm.

Double stopper type is also available.

■Double Stopper

Double stopper can stop wheel rotation and swiveling parts at once.

PMS with Foot Guard

PMS - 150 WB ,IPC(Y)

- PMS: Bracket Type
- 150: Wheel Diameter — 150 : φ150mm, 200 : φ200mm
- WB: Wheel Type — A W:Rubber*, W B:Rubber, UWB/INJ:PU, GUB:PU
- ,IPC(Y): With Foot Guard

*AW wheel is 150mm only.

PMS with Foot Guard Double Stopper Type

PMS - 150 WB LB(R) ,IPC(Y)

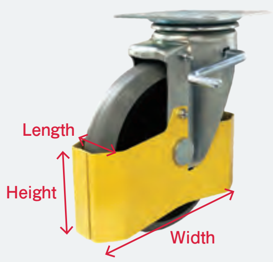
- PMS: Bracket Type
- 150: Wheel Diameter — 150 : φ150mm, 200 : φ200mm
- WB: Wheel Type — A W:Rubber*, W B:Rubber, UWB/INJ:PU, GUB:PU
- LB(R): Stopper — LB(R) : Lever Brake(Right), LB(L) : Lever Brake(Left)
- ,IPC(Y): With Foot Guard

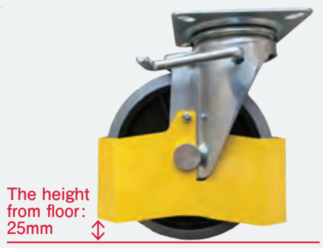
*AW wheel is 150mm only.

POINT.3 Yellow color - Call to attention

We introduced yellow color to call attention to around, it's also easy to recognize in dark area.

	Size	Width (mm)	Length (mm)	Height (mm)
Guard Size	For φ150	170.8	64.4	90
	For φ200	220.8	65.6	105





SHORTSTAR

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

LINEUP ・H-type

SHORTSTAR

Low-Profile Heavy Duty

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

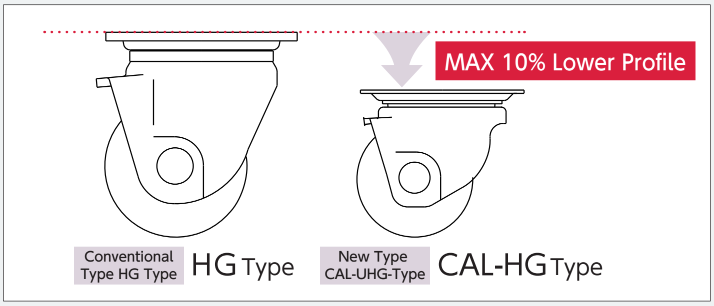
POINT.1 Ultra Low Profile Caster

・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 Type / CAL-UHG Type

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



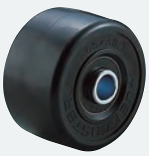
POINT.2 Material that realizes high load capacity

・Ideal for long-term fixation of mechanical equipment and heavy-duty products.

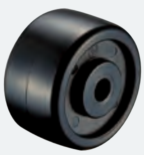
①The bracket fittings are subjected to heat treatment to increase the strength.
②The occurrence of permanent distortion is reduced by the wheel material of high hardness.

Monomer Cast Nylon

Conductive Monomer Cast Nylon



Phenol



Reinforced Nylon

Reinforced Nylon (Glass Fiber)

PU

POINT.3 Excellent starting performance structure

Recommendation CAL-HG Type / CAL-UHG Type

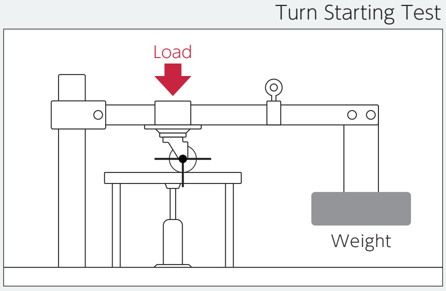
● The structure of the turning part is strengthened by the special steel, and the durability at the time of transportation of heavy goods is raised.
● Reduce the force required for turning start by 45% (Compared with other companies) It is excellent startability performance.

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

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

Turn Starting Test



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

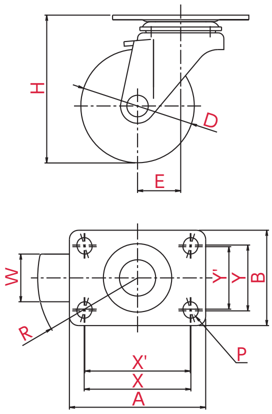
LHG Type

Swivel **Plate Type**

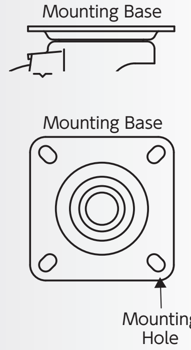
ϕ 40 50

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

LHG-50BN



Mounting Method **Plate Type**



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: LHG (Bracket Type) - 50 (Wheel Diameter) BN (Wheel Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
40	**LHG-40BN**	Black Nylon	70(71.4)	21	55	54×37	45×26	4.5	19	40
50	**LHG-50BN**	Black Nylon	80(81.6)	21	65	60×42	47×29(46.5×27.5)	6.5	19	45

Wheel Type

BN
Wheel: Black Nylon
Tread: Black Nylon

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

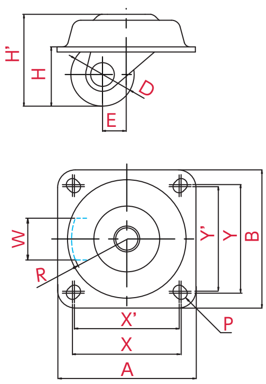
HGL Type

Swivel Plate Type

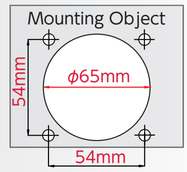
ϕ 32

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

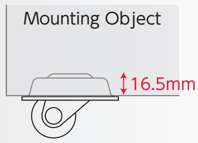
HGL-32GNB



Mounting Method | Plate Type



Please make a mounting hole of above pitch



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: HGL (Bracket Type) - 32 (Wheel Diameter) GNB (Wheel Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
32	HGL-32GNB	Reinforced Nylon	120(122.4)	21	30/46.5	70×70	55×55(53×53)	6.2	12	29

Wheel Type

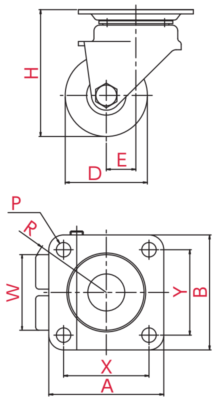
GNB
Wheel : Reinforced Nylon
Tread : Reinforced Nylon

HG-W Type

Swivel | Plate Type | ϕ 38 50

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

HG-50BN-W



Mounting Method | Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	HG	-	50	BN	-	W
	Bracket Type		Wheel Diameter	Wheel Type		Bracket Type

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
38	HG-38BN-W	Black Nylon	120(122.4)	46	64	70×70	52×52	8.8	18	44
50	HG-50BN-W	Black Nylon	150(153.0)	46	77	70×70	52×52	8.8	18	49

Wheel Type

BN
Wheel: Black Nylon
Tread: Black Nylon

HG Type

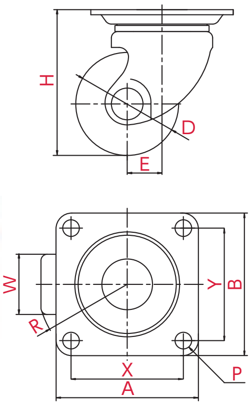
Swivel | Plate Type

ϕ 50 65 75

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

HG-50GNB

HG-75GNB

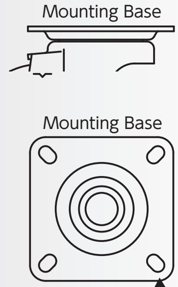


The picture is a typical product image.

Order Example HG - 50 GNB

Bracket Type | Wheel Diameter | Wheel Type

Mounting Method | Plate Type



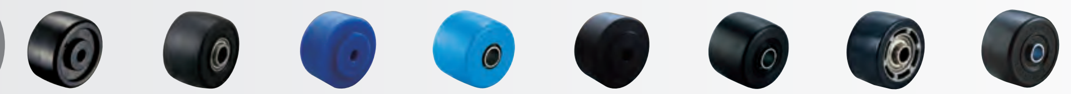
Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with Fixed

HR Type P.117

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	HG-50GNB	Reinforced Nylon	160(163.2)	28	68	64×64	50×50	6.5	25	51
	HG-50GNB(P54×36)					70×54	54×36			
	HG-50MC	Monomer Cast Nylon		25		64×64	50×50			
	HG-50MCE	Conductive Monomer Cast Nylon								
65	HG-65GNB	Reinforced Nylon(Including B)	300(306.0)	38	92	90×90	71×71	10.5	22	57
	HG-65MC	Monomer Cast Nylon(Including B)								
	HG-65MCE	Conductive Monomer Cast Nylon(Including B)								
	HG-65AU	PU(Including B)								
	HG-65PB	Phenol(Including B)								
75	HG-75GNB	Reinforced Nylon(Including B)	320(326.4)	38	106	90×90	71×71	10.5	22	61
	HG-75MC	Monomer Cast Nylon(Including B)								
	HG-75MCE	Conductive Monomer Cast Nylon(Including B)								
	HG-75AU	PU(Including B)								
	HG-75PB	Phenol(Including B)								

Wheel Type

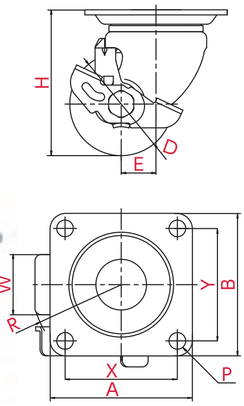


GNB	GNB	MC	MC	MCE	MCE	AU	PB
Wheel:Reinforced Nylon Tread:Reinforced Nylon	Wheel:Reinforced Nylon Tread:Reinforced Nylon (Including B)	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon (Including B)	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon(Including B)	Wheel:Aluminum Tread:PU (Including B)	Wheel:Phenol Tread:Phenol (Including B)

HG-S Type

Swivel | Plate Type | ϕ 50 65 75

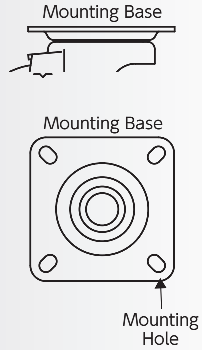
BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper



The picture is a typical product image.

Order Example: HG (Bracket Type) - 50 (Wheel Diameter) GNB (Wheel Type) S (Stopper)

Mounting Method: Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with: Fixed

HR Type
P.117

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	**HG-50GNBS**	Reinforced Nylon	160(163.2)	28	68	64×64	50×50	6.5	25	65
	HG-50GNBS(P54×36)					70×54	54×36			
	HG-50MCS	Monomer Cast Nylon		25		64×64	50×50			
	HG-50MCES	Conductive Monomer Cast Nylon								
65	**HG-65GNBS**	Reinforced Nylon(Including B)	300(306.0)	38	92	90×90	71×71	10.5	22	67
	HG-65MCS	Monomer Cast Nylon(Including B)								
	HG-65MCES	Conductive Monomer Cast Nylon(Including B)								
	HG-65PBS	Phenol(Including B)								
75	**HG-75GNBS**	Reinforced Nylon(Including B)	320(326.4)	38	106	90×90	71×71	10.5	22	67
	HG-75MCS	Monomer Cast Nylon(Including B)								
	HG-75MCES	Conductive Monomer Cast Nylon(Including B)								
	HG-75PBS	Phenol(Including B)								

Wheel Type

- GNB — Wheel: Reinforced Nylon / Tread: Reinforced Nylon
- GNB — Wheel: Reinforced Nylon / Tread: Reinforced Nylon (Including B)
- MC — Wheel: Monomer Cast Nylon / Tread: Monomer Cast Nylon
- MC — Wheel: Monomer Cast Nylon / Tread: Monomer Cast Nylon (Including B)
- MCE — Wheel: Conductive Monomer Cast Nylon / Tread: Conductive Monomer Cast Nylon
- MCE — Wheel: Conductive Monomer Cast Nylon / Tread: Conductive Monomer Cast Nylon(Including B)
- PB — 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

HR Type

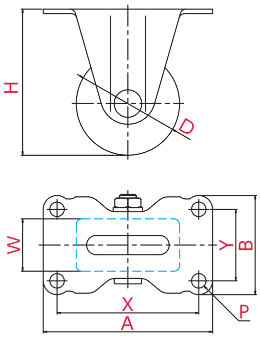
Fixed | **Plate Type**

ϕ 50 65 75

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper


HR-50GNB


HR-75GNB



The picture is a typical product image.

Order Example: HR (Bracket Type) - 50 (Wheel Diameter) GNB (Wheel Type)

Mounting Method: Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

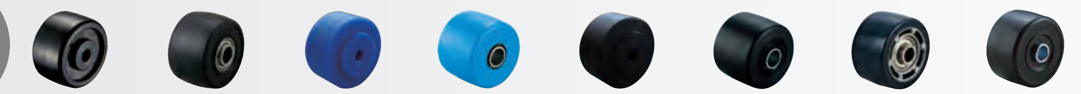
Use together with Swivel


HG Type P.115


HG-S Type P.116

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
50	HR-50GNB	Reinforced Nylon	160(163.2)	28	68	80×50	66×36	6.5
	HR-50MC	Monomer Cast Nylon		25				
	HR-50MCE	Conductive Monomer Cast Nylon						
65	HR-65GNB	Reinforced Nylon(Including B)	300(306.0)	38	92	111×67	91×47	10.5
	HR-65MC	Monomer Cast Nylon(Including B)						
	HR-65MCE	Conductive Monomer Cast Nylon(Including B)						
	HR-65AU	PU(Including B)						
	HR-65PB	Phenol(Including B)						
75	HR-75GNB	Reinforced Nylon(Including B)	320(326.4)	38	106	123×72	103×52	10.5
	HR-75MC	Monomer Cast Nylon(Including B)						
	HR-75MCE	Conductive Monomer Cast Nylon(Including B)						
	HR-75AU	PU(Including B)						
	HR-75PB	Phenol(Including B)						

Wheel Type



GNB	GNB	MC	MC	MCE	MCE	AU	PB
Wheel : Reinforced Nylon Tread : Reinforced Nylon	Wheel : Reinforced Nylon Tread : Reinforced Nylon (Including B)	Wheel : Monomer Cast Nylon Tread : Monomer Cast Nylon	Wheel : Monomer Cast Nylon Tread : Monomer Cast Nylon (Including B)	Wheel : Conductive Monomer Cast Nylon Tread : Conductive Monomer Cast Nylon	Wheel : Conductive Monomer Cast Nylon Tread : Conductive Monomer Cast Nylon(Including B)	Wheel : Aluminum Tread : PU (Including B)	Wheel : Phenol Tread : Phenol (Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

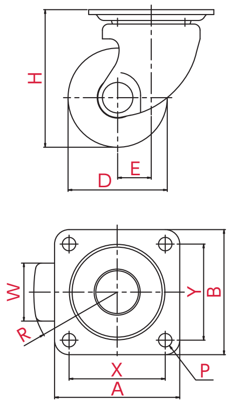
HSG Type

Swivel **Plate Type**

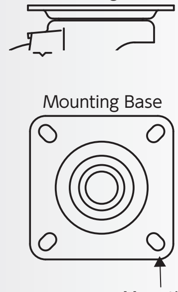
ϕ 50 65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

HSG-75GNB



Mounting Method — Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- **Machinery and equipment**
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: HSG - 75 GNB
(HSG = Bracket Type, 75 = Wheel Diameter, GNB = Wheel Type)

▼ Use together with **Fixed**

HSR Type
P.120

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	HSG-50GFB	Reinforced Nylon(Including B)	300(306.0)	38	79	82×82	63×63	8.8	22	49
	HSG-50MC	Monomer Cast Nylon(Including B)								
	HSG-50MCE	Conductive Monomer Cast Nylon(Including B)								
	HSG-50AU	PU(Including B)								
	HSG-50PB	Phenol(Including B)								
65	HSG-65GNB	Reinforced Nylon(Including B)	300(306.0)	38	90	82×82	63×63	8.8	22	57
	HSG-65MC	Monomer Cast Nylon(Including B)								
	HSG-65MCE	Conductive Monomer Cast Nylon(Including B)								
	HSG-65AU	PU(Including B)								
	HSG-65PB	Phenol(Including B)								
75	HSG-75GNB	Reinforced Nylon(Including B)	300(306.0)	38	100	82×82	63×63	8.8	22	61
	HSG-75MC	Monomer Cast Nylon(Including B)								
	HSG-75MCE	Conductive Monomer Cast Nylon(Including B)								
	HSG-75AU	PU(Including B)								
	HSG-75PB	Phenol(Including B)								

Wheel Type

GNB
Wheel：Reinforced Nylon
Tread：Reinforced Nylon (Including B)

GFB
Wheel：Reinforced Nylon
Tread：Reinforced Nylon (Including B)

MC
Wheel：Monomer Cast Nylon
Tread：Monomer Cast Nylon (Including B)

MCE
Wheel：Conductive Monomer Cast Nylon
Tread：Conductive Monomer Cast Nylon(Including B)

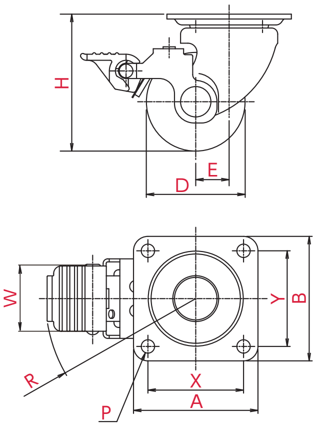
AU
Wheel：Aluminum
Tread：PU (Including B)

PB
Wheel：Phenol
Tread：Phenol (Including B)

HSG-S Type Swivel Plate Type ϕ50 65 75

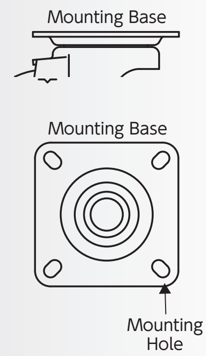
BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | **Double Bearing**
Single Stopper | Double Stopper

HSG-75GNBS



The picture is a typical product image.

Mounting Method: Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- **Machinery and equipment**
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Fixed

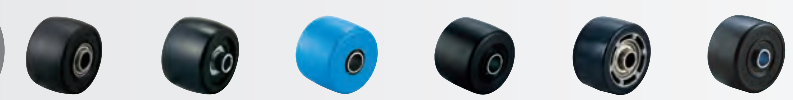
HSR Type
P.120

Order Example

HSG	-	75	GNB	S
Bracket Type		Wheel Diameter	Wheel Type	Stopper

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	HSG-50GFBS	Reinforced Nylon(Including B)	300(306.0)	38	79	82×82	63×63	8.8	22	91
	HSG-50MCS	Monomer Cast Nylon(Including B)								
	HSG-50MCES	Conductive Monomer Cast Nylon(Including B)								
	HSG-50AUS	PU(Including B)								
	HSG-50PBS	Phenol(Including B)								
65	HSG-65GNBS	Reinforced Nylon(Including B)	300(306.0)	38	90	82×82	63×63	8.8	22	99
	HSG-65MCS	Monomer Cast Nylon(Including B)								
	HSG-65MCES	Conductive Monomer Cast Nylon(Including B)								
	HSG-65AUS	PU(Including B)								
	HSG-65PBS	Phenol(Including B)								
75	HSG-75GNBS	Reinforced Nylon(Including B)	300(306.0)	38	100	82×82	63×63	8.8	22	103
	HSG-75MCS	Monomer Cast Nylon(Including B)								
	HSG-75MCES	Conductive Monomer Cast Nylon(Including B)								
	HSG-75AUS	PU(Including B)								
	HSG-75PBS	Phenol(Including B)								

Wheel Type



GNB	GFB	MC	MCE	AU	PB
Wheel: Reinforced Nylon Tread: Reinforced Nylon (Including B)	Wheel: Reinforced Nylon Tread: Reinforced Nylon (Including B)	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (Including B)	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon(Including B)	Wheel: Aluminum Tread: PU (Including B)	Wheel: Phenol Tread: Phenol (Including B)

HSR Type

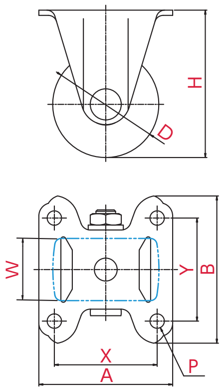
Fixed | **Plate Type**

ϕ 50 65 75

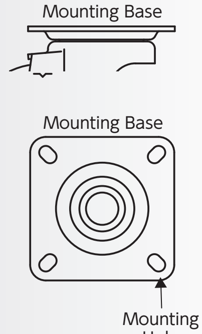
BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

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

HSR-75GNB



Mounting Method | Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- **Machinery and equipment**
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: HSR - 75 GNB
HSR: Bracket Type | 75: Wheel Diameter | GNB: Wheel Type

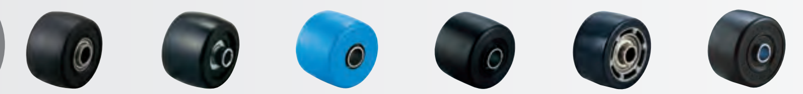
▼ Use together with **Swivel**


HSG Type P.118


HSG-S Type P.119

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN (kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y (X'×Y') [mm])	Hole Diameter (P[mm])
50	HSR-50GFB	Reinforced Nylon(Including B)	300(306.0)	38	79	82×90	63×63	8.8
	HSR-50MC	Monomer Cast Nylon(Including B)						
	HSR-50MCE	Conductive Monomer Cast Nylon(Including B)						
	HSR-50AU	PU(Including B)						
	HSR-50PB	Phenol(Including B)						
65	HSR-65GNB	Reinforced Nylon(Including B)	300(306.0)	38	90	82×90	63×63	8.8
	HSR-65MC	Monomer Cast Nylon(Including B)						
	HSR-65MCE	Conductive Monomer Cast Nylon(Including B)						
	HSR-65AU	PU(Including B)						
	HSR-65PB	Phenol(Including B)						
75	HSR-75GNB	Reinforced Nylon(Including B)	300(306.0)	38	100	82×90	63×63	8.8
	HSR-75MC	Monomer Cast Nylon(Including B)						
	HSR-75MCE	Conductive Monomer Cast Nylon(Including B)						
	HSR-75AU	PU(Including B)						
	HSR-75PB	Phenol(Including B)						

Wheel Type



GNB	GFB	MC	MCE	AU	PB
Wheel : Reinforced Nylon Tread : Reinforced Nylon (Including B)	Wheel : Reinforced Nylon Tread : Reinforced Nylon (Including B)	Wheel : Monomer Cast Nylon Tread : Monomer Cast Nylon (Including B)	Wheel : Conductive Monomer Cast Nylon Tread : Conductive Monomer Cast Nylon(Including B)	Wheel : Aluminum Tread : PU (Including B)	Wheel : Phenol Tread : Phenol (Including B)

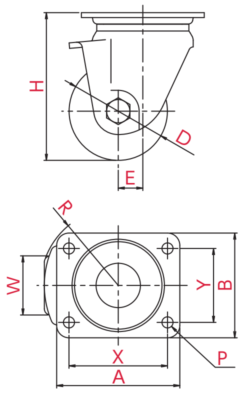
UHG Type

Swivel | Plate Type

ϕ 50 65 75 80 100

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

UHG-75GFB



The picture is a typical product image.

Order Example: UHG - 75 GFB
(Bracket Type) (Wheel Diameter) (Wheel Type)

Mounting Method: Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- **Machinery and equipment**
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with: Fixed

UHR Type
P.122

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	UHG-50GFB	Reinforced Nylon(Including B)	300(306.0)	38	79	84×84	64×64	8.5	12	49
	UHG-50MC*1	Monomer Cast Nylon(Including B)	400(408.0)							
	UHG-50MCE	Conductive Monomer Cast Nylon(Including B)								
	UHG-50PB	Phenol(Including B)								
65	UHG-65GFB	Reinforced Nylon(Including B)	400(408.0)	48	97	100×100	78×78	10.5	14	54
	UHG-65MC*1	Monomer Cast Nylon(Including B)	600(612.0)							
	UHG-65MCE	Conductive Monomer Cast Nylon(Including B)								
	UHG-65PB	Phenol(Including B)	500(510.0)							
75	UHG-75GFB	Reinforced Nylon(Including B)	500(510.0)	48	107	100×100	78×78	10.5	14	54
	UHG-75MC*1	Monomer Cast Nylon(Including B)	700(714.0)							
	UHG-75MCE	Conductive Monomer Cast Nylon(Including B)								
	UHG-75PB	Phenol(Including B)	600(612.0)							
80	UHG-80MC*2	Monomer Cast Nylon(Including B)	800(816.0)	48	120	100×85	80×60	9.0	20	63
100	UHG-100MC*2	Monomer Cast Nylon(Including B)	800(816.0)	48	140	150×110	121×59	13.0	20	72

Wheel Type

GFB	MC *1	MC *2	MCE	PB
Wheel: Reinforced Nylon Tread: Reinforced Nylon (Including B)	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (Including B)	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (Including B)	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon(Including B)	Wheel: Phenol Tread: Phenol (Including B)

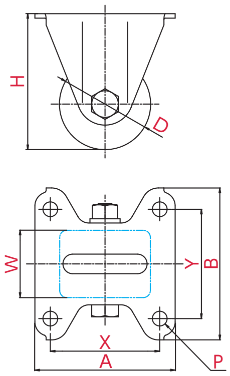
UHR Type

Fixed | Plate Type

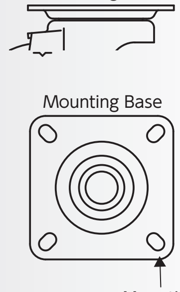
ϕ 50 65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

The picture is a typical product image.



Mounting Method | Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

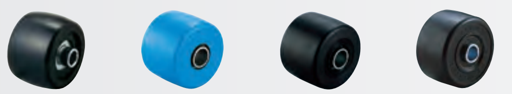
Use together with Swivel

UHG Type P.121

Order Example: UHR (Bracket Type) - 75 (Wheel Diameter) PB (Wheel Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
50	**UHR-50GFB**	Reinforced Nylon(Including B)	300(306.0)	38	79	90×85	64×64	8.5
	UHR-50MC	Monomer Cast Nylon(Including B)	400(408.0)					
	UHR-50MCE	Conductive Monomer Cast Nylon(Including B)						
	UHR-50PB	Phenol(Including B)						
65	**UHR-65GFB**	Reinforced Nylon(Including B)	400(408.0)	48	97	108×100	78×78	10.5
	UHR-65MC	Monomer Cast Nylon(Including B)	600(612.0)					
	UHR-65MCE	Conductive Monomer Cast Nylon(Including B)						
	UHR-65PB	Phenol(Including B)	500(510.0)					
75	**UHR-75GFB**	Reinforced Nylon(Including B)	500(510.0)	48	107	108×100	78×78	10.5
	UHR-75MC	Monomer Cast Nylon(Including B)	700(714.0)					
	UHR-75MCE	Conductive Monomer Cast Nylon(Including B)						
	UHR-75PB	Phenol(Including B)	600(612.0)					

Wheel Type

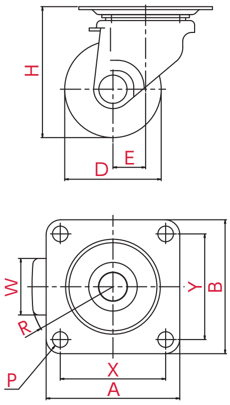


GFB	MC	MCE	PB
Wheel : Reinforced Nylon Tread : Reinforced Nylon (Including B)	Wheel : Monomer Cast Nylon Tread : Monomer Cast Nylon (Including B)	Wheel : Conductive Monomer Cast Nylon Tread : Conductive Monomer Cast Nylon(Including B)	Wheel : Phenol Tread : Phenol (Including B)

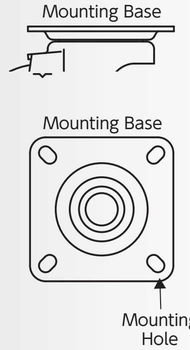
CAL-HG Swivel Type Plate Type φ65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

CAL-HG-75MC



Mounting Method: Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: CAL-HG - 75 MC
Bracket Type / Wheel Diameter / Wheel Type

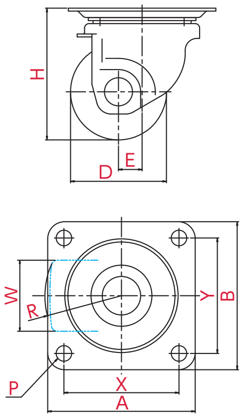
Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN (kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y (X'×Y') [mm])	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
65	CAL-HG-65GNB	Reinforced Nylon(Including B)	300(306.0)	38	88	90×90	71×71	10.5	22	57
	CAL-HG-65MC	Monomer Cast Nylon(Including B)								
	CAL-HG-65MCE	Conductive Monomer Cast Nylon(Including B)								
	CAL-HG-65AU	PU(Including B)								
	CAL-HG-65PB	Phenol(Including B)								
75	CAL-HG-75GNB	Reinforced Nylon(Including B)	300(306.0)	38	98	90×90	71×71	10.5	22	61
	CAL-HG-75MC	Monomer Cast Nylon(Including B)								
	CAL-HG-75MCE	Conductive Monomer Cast Nylon(Including B)								
	CAL-HG-75AU	PU(Including B)								
	CAL-HG-75PB	Phenol(Including B)								

Wheel Type

- GNB — Wheel: Reinforced Nylon, Tread: Reinforced Nylon (Including B)
- MC — Wheel: Monomer Cast Nylon, Tread: Monomer Cast Nylon (Including B)
- MCE — Wheel: Conductive Monomer Cast Nylon, Tread: Conductive Monomer Cast Nylon(Including B)
- AU — Wheel: Aluminum, Tread: PU (Including B)
- PB — Wheel: Phenol, Tread: Phenol (Including B)

CAL-UHG Swivel Plate Type Type ϕ50 65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper



Mounting Method: Plate Type

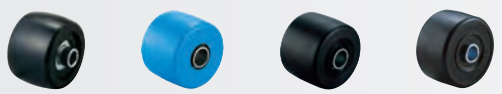
Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: CAL-UHG - 75 MC
(Bracket Type / Wheel Diameter / Wheel Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	CAL-UHG-50GFB	Reinforced Nylon(Including B)	300(306.0)	38	74	84×84	64×64	8.5	14	42
	CAL-UHG-50MC	Monomer Cast Nylon(Including B)	400(408.0)							
	CAL-UHG-50MCE	Conductive Monomer Cast Nylon(Including B)								
	CAL-UHG-50PB	Phenol(Including B)								
65	CAL-UHG-65GFB	Reinforced Nylon(Including B)	400(408.0)	48	89	100×100	78×78	10.5	16	52
	CAL-UHG-65MC	Monomer Cast Nylon(Including B)	600(612.0)							
	CAL-UHG-65MCE	Conductive Monomer Cast Nylon(Including B)								
	CAL-UHG-65PB	Phenol(Including B)	500(510.0)							
75	CAL-UHG-75GFB	Reinforced Nylon(Including B)	500(510.0)	48	99	100×100	78×78	10.5	16	57
	CAL-UHG-75MC	Monomer Cast Nylon(Including B)	700(714.0)							
	CAL-UHG-75MCE	Conductive Monomer Cast Nylon(Including B)								
	CAL-UHG-75PB	Phenol(Including B)	600(612.0)							

Wheel Type



- GFB — Wheel: Reinforced Nylon, Tread: Reinforced Nylon (Including B)
- MC — Wheel: Monomer Cast Nylon, Tread: Monomer Cast Nylon (Including B)
- MCE — Wheel: Conductive Monomer Cast Nylon, Tread: Conductive Monomer Cast Nylon(Including B)
- PB — 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

HT Type

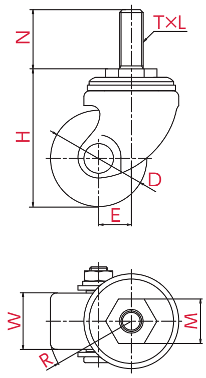
Swivel | Screw-In Type

ϕ 50 65 75

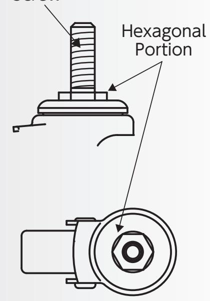
BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

HT-50GNB,M20×40

HT-75GNB,M20×40



Mounting Method | Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

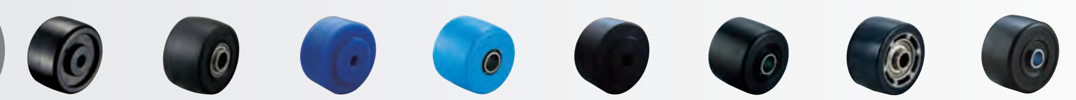
Order Example	HT	-	50	GNB	,	M20	x	40
	Bracket Type		Wheel Diameter	Wheel Type		Screw Diameter		Screw Length

Please set "Screw Diameter × Screw Length" after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	HT-50GNB	Reinforced Nylon	100(102.0)	28	74	M16×40 M20×40	2 2.5	23 30	25	51
	HT-50MC	Monomer Cast Nylon		25						
	HT-50MCE	Conductive Monomer Cast Nylon								
65	HT-65GNB	Reinforced Nylon(Including B)	150(153.0)	38	93	M16×40 M20×40	2 2.5	30 30	22	57
	HT-65MC	Monomer Cast Nylon(Including B)								
	HT-65MCE	Conductive Monomer Cast Nylon(Including B)								
	HT-65AU	PU(Including B)								
	HT-65PB	Phenol(Including B)								
75	HT-75GNB	Reinforced Nylon(Including B)	160(163.2)	38	107	M16×40 M20×40	2 2.5	30 30	22	61
	HT-75MC	Monomer Cast Nylon(Including B)								
	HT-75MCE	Conductive Monomer Cast Nylon(Including B)								
	HT-75AU	PU(Including B)								
	HT-75PB	Phenol(Including B)								

Wheel Type



GNB	GNB	MC	MC	MCE	MCE	AU	PB
Wheel: Reinforced Nylon Tread: Reinforced Nylon	Wheel: Reinforced Nylon Tread: Reinforced Nylon (Including B)	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (Including B)	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon(Including B)	Wheel: Aluminum Tread: PU (Including B)	Wheel: Phenol Tread: Phenol (Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

HT-S Type

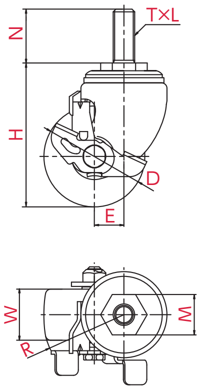
Swivel | Screw-In Type

ϕ 50 65 75

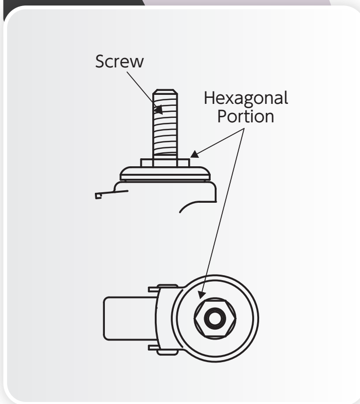
BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

HT-50GNBS,M20×40

HT-75GNBS,M20×40



Mounting Method: Screw-In Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	HT	-	50	GNB	S	,	M20	x	40
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	**HT-50GNBS**	Reinforced Nylon	100(102.0)	28	74	M16×40 M20×40	2 2.5	23 30	25	65
	HT-50MCS	Monomer Cast Nylon		25						
	HT-50MCES	Conductive Monomer Cast Nylon								
65	**HT-65GNBS**	Reinforced Nylon(Including B)	150(153.0)	38	93	M16×40 M20×40	2 2.5	30 30	22	67
	HT-65MCS	Monomer Cast Nylon(Including B)								
	HT-65MCES	Conductive Monomer Cast Nylon(Including B)								
	HT-65PBS	Phenol(Including B)								
75	**HT-75GNBS**	Reinforced Nylon(Including B)	160(163.2)	38	107	M16×40 M20×40	2 2.5	30 30	22	67
	HT-75MCS	Monomer Cast Nylon(Including B)								
	HT-75MCES	Conductive Monomer Cast Nylon(Including B)								
	HT-75PBS	Phenol(Including B)								

Wheel Type

GNB	GNB	MC	MC	MCE	MCE	PB
Wheel: Reinforced Nylon Tread: Reinforced Nylon	Wheel: Reinforced Nylon Tread: Reinforced Nylon (Including B)	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (Including B)	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon (Including B)	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

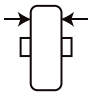
Column Specification necessary for caster selection

Load Capacity (Maximum Load)

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

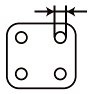
Proper Load

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



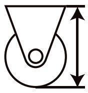
Wheel Width

Width of the wheel.



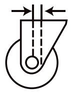
Hole Diameter

Indicates mounting bolt and drilling dimensions.



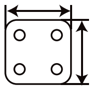
Mounting Height

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.

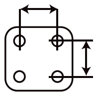


Mounting Base

The dimension of the caster top plate.

Turning Radius

It is a radius of the caster turning.

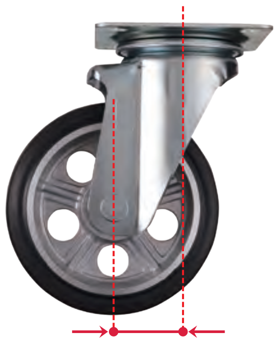


Mounting Dimensions

Indicates the spacing between the mounting holes.

Column Eccentricity

Bigger eccentricity makes better turning performance and also low shimmy phenomenon, long-life wheel.



Eccentricity

Column About the load capacity

・Optimum casters selection and usage conditions

Case of caster usage 4pcs
Load Capacity = 1pc Load Capacity×4pcs×0.8

Load Capacity(Unit)

SI Unit		Customary Unit
N	daN	kgf
10 ↔	1 ↔	1.02
1 ↔	0.1 ↔	0.102
9.8 ↔	0.98 ↔	1

*Load capacity which is written in catalog showed easy value carring 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 means including hand trolley own weight.)

L O C K S T A R

Pursue braking stability.

Support safe carrying by grip.

LINEUP ・AF-type ・APT-type

LOCKSTAR

Leveling

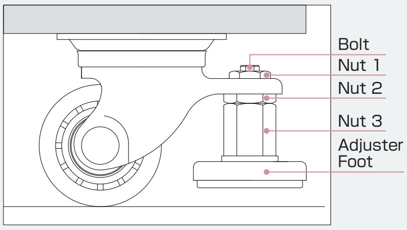
Tightly hold by leveling and locking.
Best choice caster and support equipment
when you need to fix the goods.

Caster wheel with adjuster foot

HG-AF

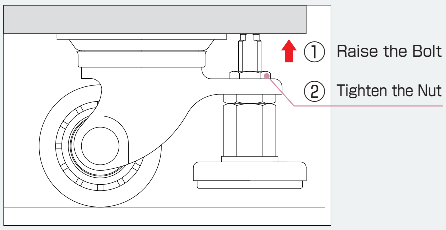
It is a compact integrated type equipped with the functions of the caster and adjuster at the same time, eliminating the installation of the adjuster.

·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

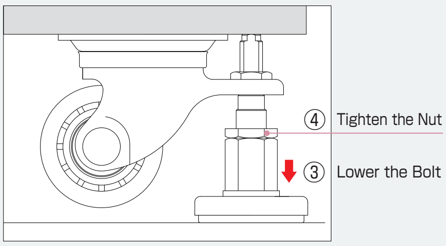
·Please be sure to lift the adjuster foot and tighten the screw before moving it.
·Please use the adjuster foot for the purpose of stopping the turning of the caster.
·It is not a product that locks the wheel.



How to fix adjuster foot

①Turn the bolt and raise it until the bolt is installed on the top.
＊Lower nut 3 makes it easier to raise 1 bolt.

②Tighten the nut 1 to fix the bolt.



③Turn the nut 3 and lower it until the adjuster foot gets to the ground.

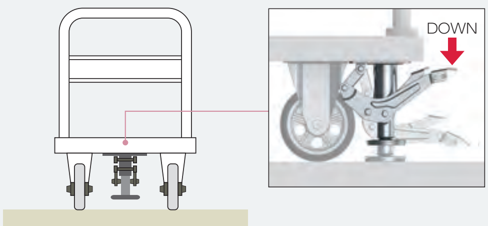
④Tighten nut 2 to fix the adjuster.

YUEI LOCK

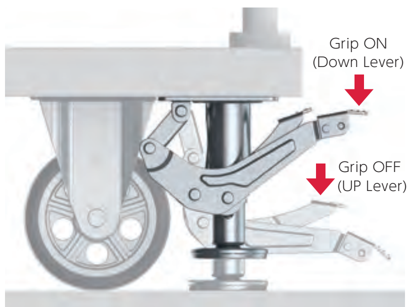
Details are on P.136

APT

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



·How to use
①Step on the foot pedal DOWN
Rubber parts holds and grips the ground.
②Step on the foot pedal UP
Release the pedal and rise rubber plate.



E-AF Type

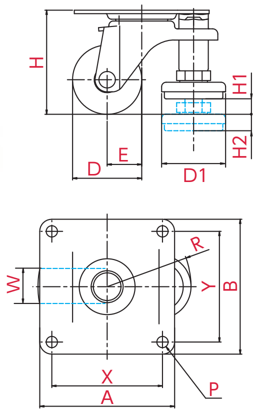
Swivel

Plate Type

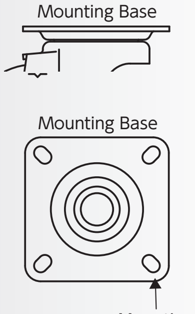
ϕ 40 50

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

E-50BN-AF



Mounting Method — Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: E (Bracket Type) - 50 (Wheel Diameter) BN (Wheel Type) - AF (Adjuster)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])	Outer Diameter (D1[mm])	Adjust Amount (H1/H2[mm])
40	E-40BN-AF	Black Nylon	30(30.6)	21	60	78×78	64×64	6.5	20	49	37	9/9.5
50	E-50BN-AF	Black Nylon	40(40.8)	21	65	78×78	64×64	6.5	20	49	37	9/9.5

Wheel Type

BN
Wheel: Black Nylon
Tread: Black Nylon

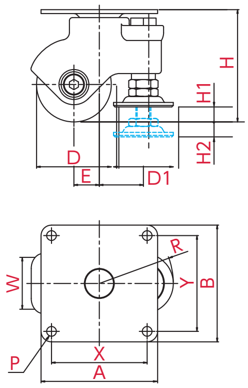
SPLG Type

Swivel | Plate Type

ϕ 50 65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

SPLG-75BN,AJ



Mounting Method | Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	SPLG	-	75	BN	,	AJ
	Bracket Type		Wheel Diameter	Wheel Type		Adjuster

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])	Outer Diameter (D1[mm])	Adjust Amount (H1／H2[mm])
50	SPLG-50BN,AJ	Black Nylon	60(61.2)	28	75	78×78	64×64	6.5	17	50	40	10/10
65	SPLG-65BN,AJ	Black Nylon	60(61.2)	25	93	92×92	75×75	8.5	27	66	40	10/20
75	SPLG-75BN,AJ	Black Nylon	60(61.2)	25	98	92×92	75×75	8.5	27	66	40	15/15

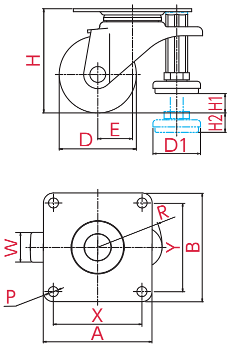
Wheel Type

BN
Wheel: Black Nylon
Tread: Black Nylon

SGW-AF Swivel Plate Type Type ϕ 60

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SGW-60GN-AF(D92,P75)



Mounting Method: Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: SGW - 60 GN - AF (D92,P75)
SGW: Bracket Type; 60: Wheel Diameter; GN: Wheel Type; AF: Adjuster; (D92,P75): Bracket Type

Use together with Fixed

SR-AF Type
P.133

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])	Outer Diameter (D1[mm])	Adjust Amount (H1/H2[mm])
60	SGW-60GN-AF(D92,P75)	Grey Nylon	130(132.6)	25	81	92×92	75×75	8.5	27	58	37	15/15

Wheel Type

GN
Wheel: Grey Nylon
Tread: Grey Nylon

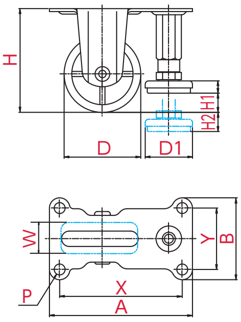
G-type L-type E-type M-type S-type J-type PM-type H-type AF-type NP-type SKY-type SILENT-type OTHER

SR-AF Type ϕ60

Fixed | Plate Type

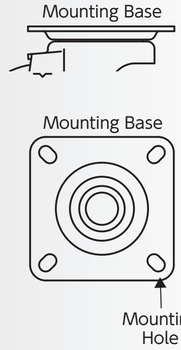
BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper


SR-60GN-AF



The picture is a typical product image.

Mounting Method: Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- **Machinery and equipment**
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example: SR (Bracket Type) - 60 (Wheel Diameter) GN (Wheel Type) - AF (Adjuster)

Use together with Swivel


SGW-AF Type
P.132

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])	Outer Diameter (D1[mm])	Adjust Amount (H1／H2[mm])
60	SR-60GN-AF	Grey Nylon	130(132.6)	25	81	112×64	96×48	8.5	37	15/15

Wheel Type

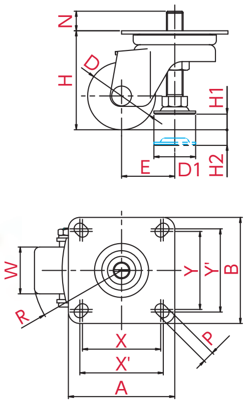

GN
Wheel: Grey Nylon
Tread: Grey Nylon

AF Type

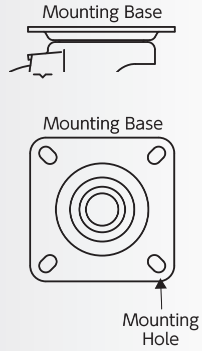
Swivel | Plate Type

ϕ 50 65 75 100

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper



Mounting Method | Plate Type



Usage

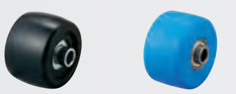
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: AF - 100 (AF: Bracket Type; 100: Wheel Diameter)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN (kgf)]	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])	Screw Length (N[mm])	Outer Diameter (D1 [mm])	Adjust Amount (H1/H2[mm])
50	**AF-50**	Reinforced Nylon(Including B)	250(255.0)	45	74	102×102	80×80(75×75)	11	46	73	19.6	40	15/15
65	**AF-65**	Reinforced Nylon(Including B)	250(255.0)	45	95	102×102	80×80(75×75)	11	51	84	18.8	40	15/15
75	**AF-75**	Monomer Cast Nylon(Including B)	300(306.0)	45	120	140×140	115×115(105×105)	11.5	56	95	—	40	15/15
100	**AF-100**	Monomer Cast Nylon(Including B)	300(306.0)	45	145	140×140	115×115(105×105)	11.5	65	116	—	40	15/15

Wheel Type



NB
Wheel : Reinforced Nylon
Tread : Reinforced Nylon
(Including B)

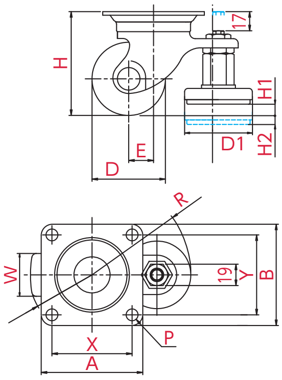
MC
Wheel : Monomer Cast Nylon
Tread : Monomer Cast Nylon
(Including B)

HG-AF Type

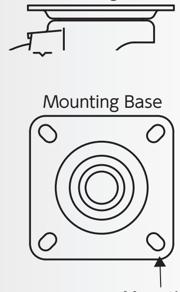
Swivel | Plate Type | ϕ 65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

HG-75GNB-AF



Mounting Method | Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	HG	-	75	GNB	-	AF
	Bracket Type		Wheel Diameter	Wheel Type		Adjuster

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])	Outer Diameter (D1[mm])	Adjust Amount (H1／H2[mm])
65	**HG-65GNB-AF**	Reinforced Nylon(Including B)	300(306.0)	38	92	90×90	71×71	10.5	22	88	60	10/8
	HG-65MC-AF	Monomer Cast Nylon(Including B)										
	HG-65MCE-AF	Conductive Monomer Cast Nylon(Including B)										
	HG-65AU-AF	PU(Including B)										
	HG-65PB-AF	Phenol(Including B)										
75	**HG-75GNB-AF**	Reinforced Nylon(Including B)	320(326.4)	38	106	90×90	71×71	10.5	22	88	60	15/10
	HG-75MC-AF	Monomer Cast Nylon(Including B)										
	HG-75MCE-AF	Conductive Monomer Cast Nylon(Including B)										
	HG-75AU-AF	PU(Including B)										
	HG-75PB-AF	Phenol(Including B)										

Wheel Type

GNB	MC	MCE	AU	PB
Wheel：Reinforced Nylon Tread：Reinforced Nylon (Including B)	Wheel：Monomer Cast Nylon Tread：Monomer Cast Nylon (Including B)	Wheel：Conductive Monomer Cast Nylon Tread：Conductive Monomer Cast Nylon(Including B)	Wheel：Aluminum Tread：PU (Including B)	Wheel：Phenol Tread：Phenol (Including B)

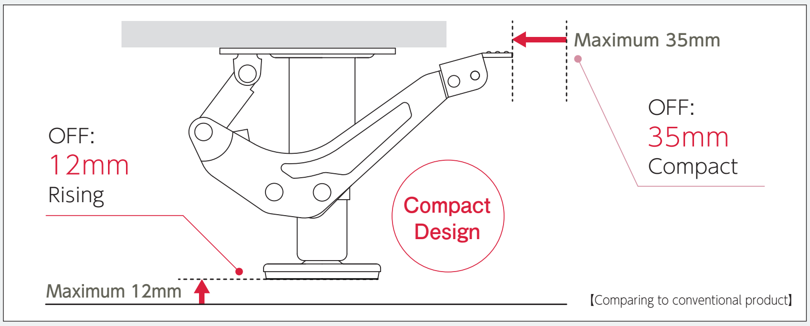
YUEI LOCK

APT Type

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

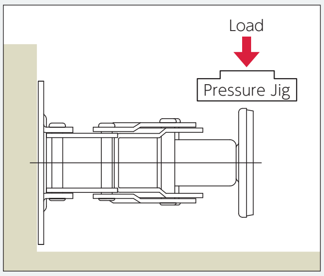
POINT.1 Compact design and smooth carry

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



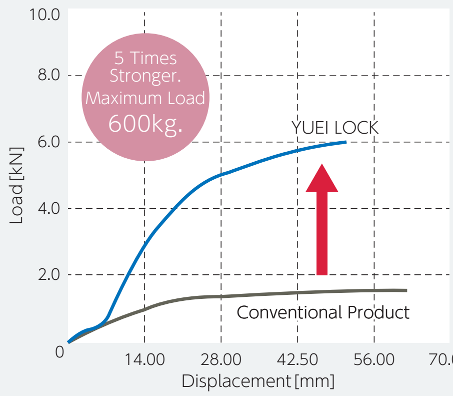
POINT.2 Strengthen horizontal load

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



Horizontal Load Test

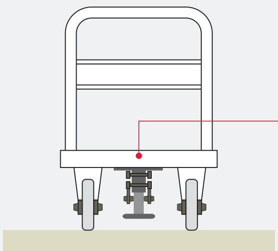
This test is for load capacity against vertical. Samples are held as above, and compared by vertical load.

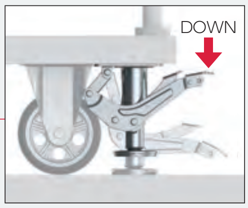


＊This is a test results, no means warranty.

·How to use

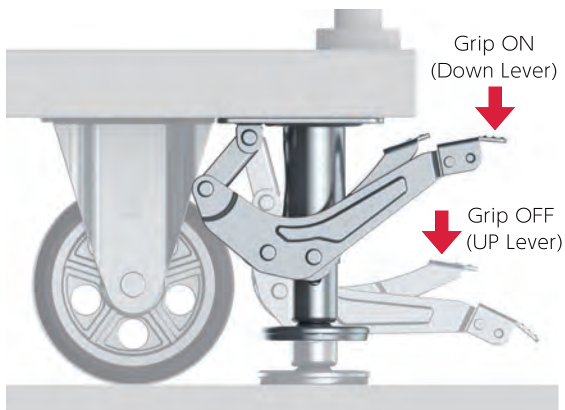
Grip the trolley by step on the pedal





①Step on the foot pedal DOWN ⟷ ②Step on the foot pedal UP

Rubber parts holds and grips the ground. | Release the pedal and rise rubber plate.



Check Point

①Please use by suitable mounting height.
(Mounting height is changed by load if in rubber wheel caster)
②This is a stopper for the trolley with caster. Not for lifting up, and don't use for jack.
③Please mount as the pedal is set outside of the trolley edge.
④Please surely use it on the flat ground, not incline road.
⑤Do not use for work table or step table.
⑥Do not use it when the force is applied from the side to the trolley which grip the road.
⑦Do not move the trolley when this lock is ON.
⑧In case of mounting between fixed casters, swivel caster side may rotate and occurs unintentional accident.

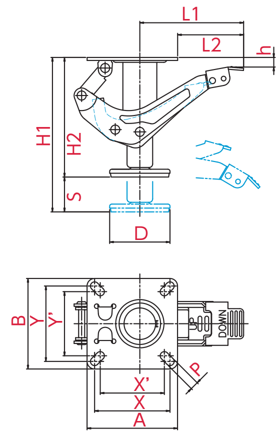
APT Type

YUEI LOCK **Plate Type**

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

APT100LOCK

APT200LOCK



The picture is a typical product image.

Order Example: **APT** (Bracket Type) | **100** (Size) | **LOCK** (Bracket Type)

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Pad Adjuster Diameter (D[mm])	Product No.	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 h[mm]
80	**APT100LOCK**	144	148	121	27	120×120	100×100(85×85)	11	136	86	14
80	**APT150LOCK**	198	204	159	45	120×120	100×100(85×85)	11	138	88	13
80	**APT200LOCK**	250	256	207	49	120×120	100×100(85×85)	11	135	85	57

ELOCK Type

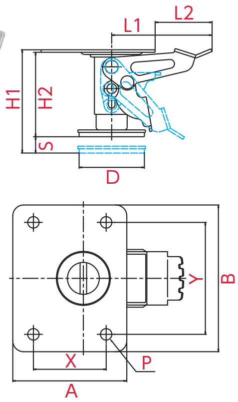
Plate Type

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

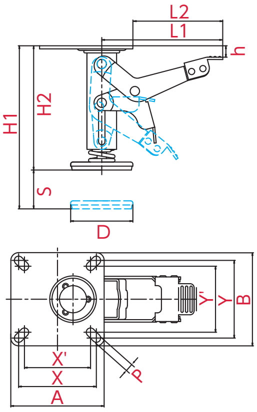
ELOCK-75

ELOCK-200

ELOCK-65·75



ELOCK-100·150·200



The picture is a typical product image.

Order Example: **ELOCK** (Bracket Type) **-** **200** (Size)

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Pad Adjuster Diameter (D[mm])	Product No.	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 h[mm]
60	**ELOCK-65**	85	90	75	15	105×135	67×103	10.5	93	53	-1.25
60	**ELOCK-75**	90	95	80	15	105×135	67×103	10.5	93	53	-1.25
78	**ELOCK-100(H130)**	130	135	117	18	120×120	100×100(85×85)	11	127	87	-1.65
78	**ELOCK-100**	144	150	132	18	120×120	100×100(85×85)	11	143	103	14
78	**ELOCK-150**	198	210	160	50	120×120	100×100(85×85)	11	156	115	14
78	**ELOCK-200**	250	258	208	50	120×120	100×100(85×85)	11	156	115	14

STAINLESTAR

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

LINEUP ・E-type ・S-type ・J-type ・H-type

STAINLESTAR

Stainless Steel

Excellent corrosion resistant
all Stainless (SUS304).
Even if it is in wet condition,
this is a long-life caster.

POINT.1 Corrosion Resistance／SUS304

Introduced stainless steel for all parts from fork 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, medium duty, heavy duty

Suitable for water section equipment：trolley, wagon, tank.

LIGHTSTAR

SUS-ET-75EL

SUS-E-100EL

MIDDLESTAR

SUS-SJT-100N

SUS-SJ-100N

HEAVYSTAR

SUS-NJ-150

SHORTSTAR

SUS-HG-65GNB

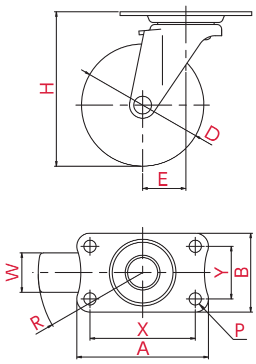
SUS-E Type

Swivel | Plate Type

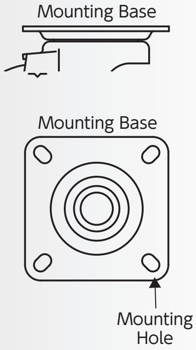
ϕ 50 65 75 100

BZP (Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SUS-E-100N



Mounting Method | Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: SUS-E - 100 N

SUS-E: Bracket Type | 100: Wheel Diameter | N: Wheel Type

▼ Use together with | Fixed

SUS-ER Type
P.142

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	SUS-E-50EL	Elastomer	25(25.5)	20	65	70×42	56×28	6.5	22	47
	SUS-E-50R	Rubber	30(30.6)							
	SUS-E-50N	Nylon	40(40.8)	21						
	SUS-E-50UR	PU	38(38.8)							
65	SUS-E-65EL	Elastomer	30(30.6)	21	82	70×42	56×28	6.5	23	56
	SUS-E-65RH	Rubber								
	SUS-E-65N	Nylon	40(40.8)							
	SUS-E-65UR	PU								
75	SUS-E-75EL	Elastomer	30(30.6)	21	92	70×42	56×28	6.5	27	65
	SUS-E-75RH	Rubber	40(40.8)							
	SUS-E-75N	Nylon	50(51.0)							
	SUS-E-75UR	PU	45(45.9)							
100	SUS-E-100EL	Elastomer	50(51.0)	27	122	100×58	82×40	8.8	31	82
	SUS-E-100RH	Rubber		25						
	SUS-E-100NR		60(61.2)	27						
	SUS-E-100N	Nylon		25						
	SUS-E-100UR	PU		28						

Wheel Type

EL	R	RH	NR	N	UR
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Nylon Tread:Nylon	Wheel:Nylon Tread:PU

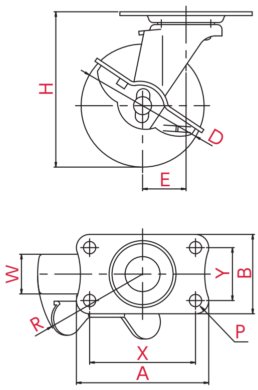
SUS-E-S Type

Swivel | Plate Type

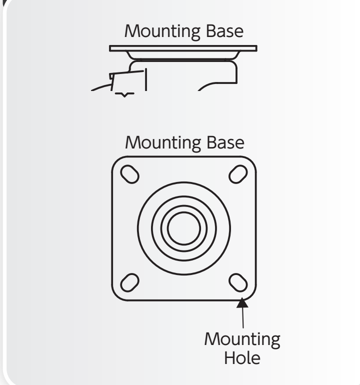
ϕ 50 65 75 100

BZP (Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SUS-E-100NS



Mounting Method | Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with | Fixed

SUS-ER Type

P.142

The picture is a typical product image.

Order Example	SUS-E	-	100	N	S
	Bracket Type		Wheel Diameter	Wheel Type	Stopper

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	SUS-E-50ELS	Elastomer	25(25.5)	20	65	70×42	56×28	6.5	22	51
	SUS-E-50RS	Rubber	30(30.6)							
	SUS-E-50NS	Nylon	40(40.8)	21						
	SUS-E-50URS	PU	38(38.8)							
65	SUS-E-65ELS	Elastomer	30(30.6)	21	82	70×42	56×28	6.5	23	56
	SUS-E-65RHS	Rubber								
	SUS-E-65NS	Nylon	40(40.8)							
	SUS-E-65URS	PU								
75	SUS-E-75ELS	Elastomer	30(30.6)	21	92	70×42	56×28	6.5	27	65
	SUS-E-75RHS	Rubber	40(40.8)							
	SUS-E-75NS	Nylon	50(51.0)							
	SUS-E-75URS	PU	45(45.9)							
100	SUS-E-100ELS	Elastomer	50(51.0)	27	122	100×58	82×40	8.8	31	82
	SUS-E-100RHS	Rubber		25						
	SUS-E-100NRS		60(61.2)	27						
	SUS-E-100NS	Nylon		25						
	SUS-E-100URS	PU		28						

Wheel Type

EL	R	RH	NR	N	UR
Wheel: PP	Wheel: Rubber	Wheel: Rubber	Wheel: Nylon	Wheel: Nylon	Wheel: Nylon
Tread: Elastomer	Tread: Rubber	Tread: Rubber	Tread: Rubber	Tread: Nylon	Tread: PU

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

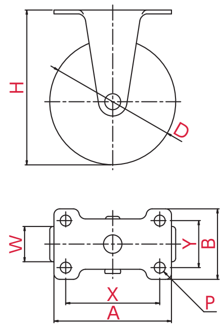
SUS-ER Type

Fixed | **Plate Type**

ϕ 50 65 75 100

BZP (Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper

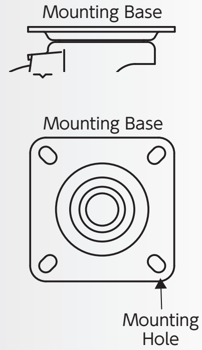
SUS-ER-100EL



The picture is a typical product image.

Order Example: SUS-ER (Bracket Type) - 100 (Wheel Diameter) EL (Wheel Type)

Mounting Method: Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with **Swivel**


SUS-E Type P.140


SUS-E-S Type P.141

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
50	SUS-ER-50EL	Elastomer	25(25.5)	20	65	70×42	56×28	6.5
	SUS-ER-50R	Rubber	30(30.6)					
	SUS-ER-50N	Nylon	40(40.8)	21				
	SUS-ER-50UR	PU	38(38.8)					
65	SUS-ER-65EL	Elastomer	30(30.6)	21	82	70×42	56×28	6.5
	SUS-ER-65RH	Rubber						
	SUS-ER-65N	Nylon	40(40.8)					
	SUS-ER-65UR	PU						
75	SUS-ER-75EL	Elastomer	30(30.6)	21	92	70×42	56×28	6.5
	SUS-ER-75RH	Rubber	40(40.8)					
	SUS-ER-75N	Nylon	50(51.0)					
	SUS-ER-75UR	PU	45(45.9)					
100	SUS-ER-100EL	Elastomer	50(51.0)	27	122	100×58	82×40	8.8
	SUS-ER-100RH	Rubber		25				
	SUS-ER-100NR		60(61.2)	27				
	SUS-ER-100N	Nylon		25				
	SUS-ER-100UR	PU		28				

Wheel Type

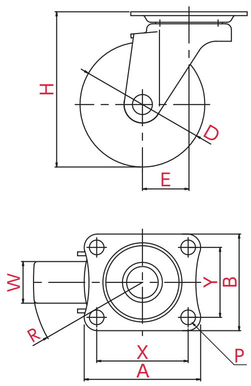
EL	R	RH	NR	N	UR
Wheel:PP	Wheel:Rubber	Wheel:Rubber	Wheel:Nylon	Wheel:Nylon	Wheel:Nylon
Tread:Elastomer	Tread:Rubber	Tread:Rubber	Tread:Rubber	Tread:Nylon	Tread:PU

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-SG Swivel Type Plate Type φ50 65 75

BZP (Brilliant Zinc Plating) | **Stainless**
Single Bearing | **Double Bearing**
Single Stopper | Double Stopper

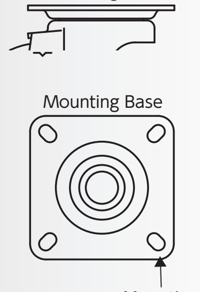
SUS-SG-75N



The picture is a typical product image.

Order Example: SUS-SG - 75 N
(Bracket Type) (Wheel Diameter) (Wheel Type)

Mounting Method: Plate Type



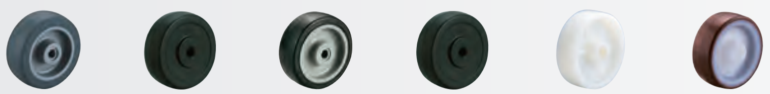
Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with: Fixed

SUS-SR Type P.145

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	SUS-SG-50EL	Elastomer	35(35.7)	27	70	70×58	55×42	8.8	27	53
	SUS-SG-50RH	Rubber	50(51.0)	28						
	SUS-SG-50N	Nylon	60(61.2)							
	SUS-SG-50UR	PU		25						
65	SUS-SG-65EL	Elastomer	40(40.8)	27	85	70×58	55×42	8.8	27	61
	SUS-SG-65RH	Rubber	50(51.0)	25						
	SUS-SG-65RHE	Conductive Rubber								
	SUS-SG-65N	Nylon	70(71.4)							
	SUS-SG-65UR	PU	60(61.2)							
75	SUS-SG-75EL	Elastomer	50(51.0)	27	93	70×58	55×42	8.8	28	66
	SUS-SG-75RH	Rubber	60(61.2)	25						
	SUS-SG-75NR			27						
	SUS-SG-75RHE	Conductive Rubber		25						
	SUS-SG-75N	Nylon	80(81.6)							
	SUS-SG-75UR	PU	70(71.4)	26						

Wheel Type



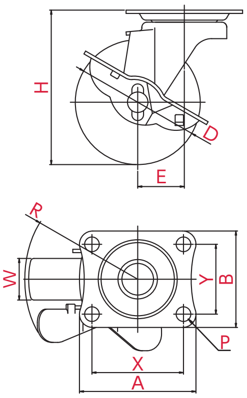
EL	RH	NR	RHE	N	UR
Wheel: PP Tread: Elastomer	Wheel: Rubber Tread: Rubber	Wheel: Nylon Tread: Rubber	Wheel: Conductive Rubber Tread: Conductive Rubber	Wheel: Nylon Tread: Nylon	Wheel: Nylon Tread: PU

SUS-SG-S

Swivel Type | Plate Type | ϕ 50 65 75

BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single Stopper	Double Stopper

SUS-SG-75NS



The picture is a typical product image.

Order Example

SUS-SG	-	75	N	S
Bracket Type		Wheel Diameter	Wheel Type	Stopper

Mounting Method — Plate Type

Usage

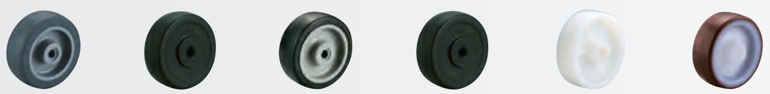
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Fixed

SUS-SR Type
P.145

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	SUS-SG-50ELS	Elastomer	35(35.7)	27	70	70×58	55×42	8.8	27	67
	SUS-SG-50RHS	Rubber	50(51.0)	28						
	SUS-SG-50NS	Nylon	60(61.2)							
	SUS-SG-50URS	PU		25						
65	SUS-SG-65ELS	Elastomer	40(40.8)	27	85	70×58	55×42	8.8	27	67
	SUS-SG-65RHS	Rubber	50(51.0)	25						
	SUS-SG-65RHES	Conductive Rubber								
	SUS-SG-65NS	Nylon	70(71.4)							
	SUS-SG-65URS	PU	60(61.2)							
75	SUS-SG-75ELS	Elastomer	50(51.0)	27	93	70×58	55×42	8.8	28	68
	SUS-SG-75RHS	Rubber	60(61.2)	25						
	SUS-SG-75NRS			27						
	SUS-SG-75RHES	Conductive Rubber		25						
	SUS-SG-75NS	Nylon	80(81.6)							
	SUS-SG-75URS	PU	70(71.4)	26						

Wheel Type



EL	RH	NR	RHE	N	UR
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Rubber Tread:Rubber	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Nylon Tread:Nylon	Wheel:Nylon Tread:PU

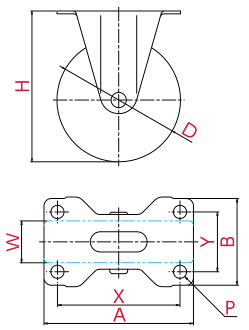
G-type
L-type
E-type
M-type
S-type
J-type
PM-type
H-type
AF-type
NP-type
SKY-type
SILENT-type
OTHER

SUS-SR Type Fixed Plate Type ϕ 50 65 75

BZP(Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SUS-SR-75EL

The picture is a typical product image.



Mounting Method: Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with **Swivel**

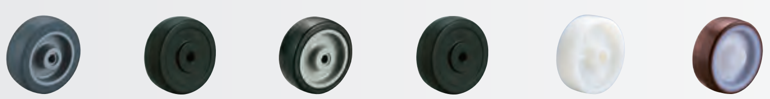
SUS-SG Type P.143

SUS-SG-S Type P.144

Order Example: SUS-SR - 75 EL (Bracket Type / Wheel Diameter / Wheel Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
50	SUS-SR-50EL	Elastomer	35(35.7)	27	70	70×47	55×28	8.8
	SUS-SR-50RH	Rubber	50(51.0)	28				
	SUS-SR-50N	Nylon	60(61.2)					
	SUS-SR-50UR	PU		25				
65	SUS-SR-65EL	Elastomer	40(40.8)	27	85	70×47	55×28	8.8
	SUS-SR-65RH	Rubber	50(51.0)	25				
	SUS-SR-65RHE	Conductive Rubber						
	SUS-SR-65N	Nylon	70(71.4)					
	SUS-SR-65UR	PU	60(61.2)					
75	SUS-SR-75EL	Elastomer	50(51.0)	27	93	70×47	55×28	8.8
	SUS-SR-75RH	Rubber	60(61.2)	25				
	SUS-SR-75NR			27				
	SUS-SR-75RHE	Conductive Rubber		25				
	SUS-SR-75N	Nylon	80(81.6)					
	SUS-SR-75UR	PU	70(71.4)	26				

Wheel Type



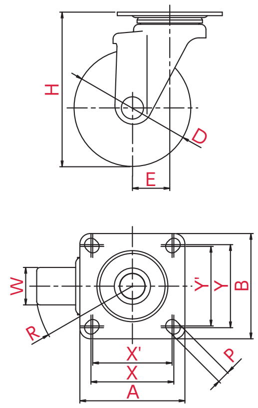
EL	RH	NR	RHE	N	UR
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Conductive Rubber Tread:Conductive Rubber	Wheel:Nylon Tread:Nylon	Wheel:Nylon Tread:PU

SUS-SJ Type

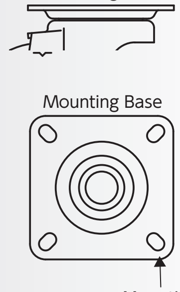
Swivel | Plate Type | ϕ 100 125

BZP (Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper


SUS-SJ-100N



Mounting Method | Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

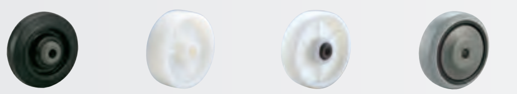
Order Example: SUS-SJ (Bracket Type) - 100 (Wheel Diameter) N (Wheel Type)

Use together with | Fixed

SUS-SK Type P.148

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
100	SUS-SJ-100NR	Rubber(Including B)	100(102.0)	32	132	90×90	71×71(68×68)	11	32	83
	SUS-SJ-100N	Nylon								
	SUS-SJ-100NB	Nylon(Including B)								
	SUS-SJ-100GU	PU(Including B)								
125	SUS-SJ-125GU	PU(Including B)	120(122.4)	32	168	102×102	80×80(75×75)	11	32	95

Wheel Type



NR	N	NB	GU
Wheel: Nylon Tread: Rubber (Including B)	Wheel: Nylon Tread: Nylon	Wheel: Nylon Tread: Nylon (Including B)	Wheel: Nylon Tread: PU (Including B)

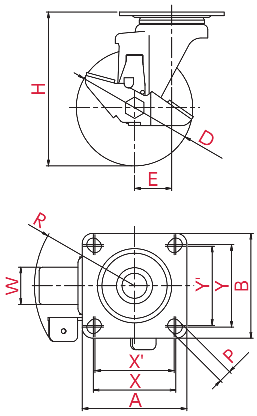
G-type L-type E-type M-type S-type J-type PM-type H-type AF-type NP-type SKY-type SILENT-type OTHER

SUS-SJ-S

Swivel Type | Plate Type | ϕ 100 125

BZP(Brilliant Zinc Plating)	**Stainless**
Single Bearing	**Double Bearing**
Single Stopper	Double Stopper

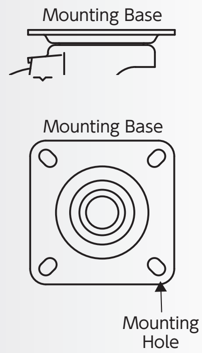
SUS-SJ-100NS



The picture is a typical product image.

Order Example	SUS-SJ	-	100	N	S
	Bracket Type		Wheel Diameter	Wheel Type	Stopper

Mounting Method — Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with **Fixed**

SUS-SK Type

P.148

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
100	**SUS-SJ-100NRS**	Rubber(Including B)	100(102.0)	32	132	90×90	71×71(68×68)	11	32	86
	SUS-SJ-100NS	Nylon								
	SUS-SJ-100NBS	Nylon(Including B)								
	SUS-SJ-100GUS	PU(Including B)								
125	**SUS-SJ-125GUS**	PU(Including B)	120(122.4)	32	168	102×102	80×80(75×75)	11	32	97

Wheel Type

NR
Wheel:Nylon
Tread:Rubber
(Including B)

N
Wheel:Nylon
Tread:Nylon

NB
Wheel:Nylon
Tread:Nylon
(Including B)

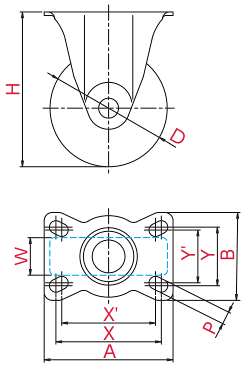
GU
Wheel:Nylon
Tread:PU
(Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

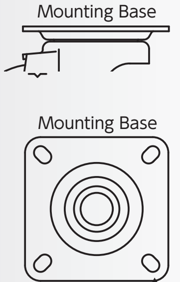
SUS-SK Fixed Type Plate Type ϕ 100 125

BZP(Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single Stopper	Double Stopper

SUS-SK-100N



Mounting Method — Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Swivel

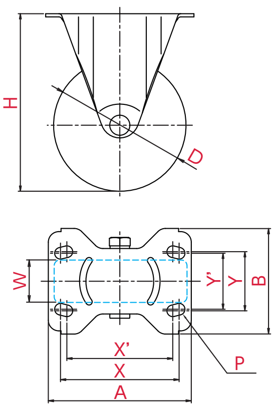

SUS-SJ Type
P.146


SUS-SJ-S Type
P.147

The picture is a typical product image.

Order Example	SUS-SK	-	100	N
	Bracket Type		Wheel Diameter	Wheel Type

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
100	SUS-SK-100NR	Rubber(Including B)	100(102.0)	32	132	110×80	90×50(80×45)	11
	SUS-SK-100N	Nylon						
	SUS-SK-100NB	Nylon(Including B)						
	SUS-SK-100GU	PU(Including B)						
125	SUS-SK-125GU*	PU(Including B)	120(122.4)	32	168	135×100	112×53(100×56)	11



*The Mounting Dimensions of SUS-SK-125 are X×Y'(X'×Y).

Wheel Type


NR
Wheel:Nylon
Tread:Rubber
(Including B)


N
Wheel:Nylon
Tread:Nylon


NB
Wheel:Nylon
Tread:Nylon
(Including B)

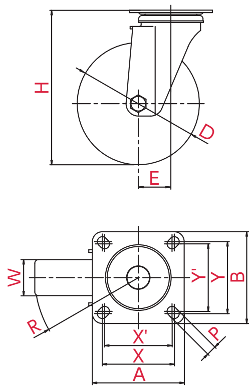

GU
Wheel:Nylon
Tread:PU
(Including B)

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

SUS-J2 Swivel Type Plate Type φ 130 150

BZP (Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SUS-GUJ2-150



Mounting Method: Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with: Fixed

SUS-K2 Type
P.151

The picture is a typical product image.

Order Example: SUS (Bracket Type) - GU (Wheel Type) J2 (Bracket Type) - 150 (Wheel Diameter)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
130	**SUS-NRJ2-130**	Rubber(Including B)	160(163.2)	40	170	102×102	80×80(75×75)	11	40	105
	SUS-NJ2-130	Nylon(Including B)	150(153.0)							
	SUS-GUJ2-130	PU(Including B)	160(163.2)							
150	**SUS-NRJ2-150**	Rubber(Including B)	180(183.6)	40	190	102×102	80×80(75×75)	11	40	115
	SUS-NJ2-150	Nylon(Including B)	160(163.2)							
	SUS-GUJ2-150	PU(Including B)	180(183.6)							

Wheel Type

NR	N	GU
Wheel: Nylon	Wheel: Nylon	Wheel: Nylon
Tread: Rubber (Including B)	Tread: Nylon (Including B)	Tread: PU (Including B)

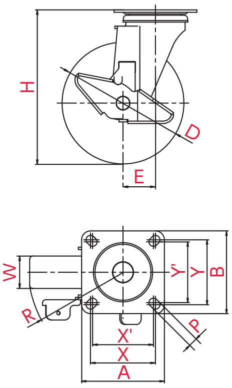
SUS-J2-S Type

Swivel | Plate Type | ϕ 130 150

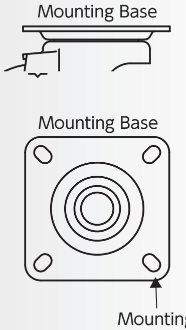
BZP(Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SUS-GUJ2-150S

The picture is a typical product image.



Mounting Method: Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example: SUS (Bracket Type) - GU (Wheel Type) J2 (Bracket Type) - 150 (Wheel Diameter) S (Stopper)

Use together with: Fixed

SUS-K2 Type P.151

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
130	SUS-NRJ2-130S	Rubber(Including B)	160(163.2)	40	170	102×102	80×80(75×75)	11	40	108
	SUS-NJ2-130S	Nylon(Including B)	150(153.0)							
	SUS-GUJ2-130S	PU(Including B)	160(163.2)							
150	SUS-NRJ2-150S	Rubber(Including B)	180(183.6)	40	190	102×102	80×80(75×75)	11	40	115
	SUS-NJ2-150S	Nylon(Including B)	160(163.2)							
	SUS-GUJ2-150S	PU(Including B)	180(183.6)							

Wheel Type

NR
Wheel: Nylon
Tread: Rubber
(Including B)

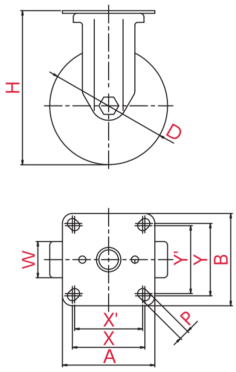
N
Wheel: Nylon
Tread: Nylon
(Including B)

GU
Wheel: Nylon
Tread: PU
(Including B)

SUS-K2 Fixed Type Plate Type ϕ 130 150

BZP (Brilliant Zinc Plating) | **Stainless**
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SUS-NRK2-150



The picture is a typical product image.

Mounting Method — Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Swivel


SUS-J2 Type P.149


SUS-J2-S Type P.150

Order Example	SUS	-	NR	K2	-	150
	Bracket Type		Wheel Type	Bracket Type		Wheel Diameter

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
130	**SUS-NRK2-130**	Rubber(Including B)	160(163.2)	40	170	102×102	80×80(75×75)	11
	SUS-NK2-130	Nylon(Including B)	150(153.0)					
	SUS-GUK2-130	PU(Including B)	160(163.2)					
150	**SUS-NRK2-150**	Rubber(Including B)	180(183.6)	40	190	102×102	80×80(75×75)	11
	SUS-NK2-150	Nylon(Including B)	160(163.2)					
	SUS-GUK2-150	PU(Including B)	180(183.6)					

Wheel Type

NR
Wheel: Nylon
Tread: Rubber
(Including B)

N
Wheel: Nylon
Tread: Nylon
(Including B)

GU
Wheel: Nylon
Tread: PU
(Including B)

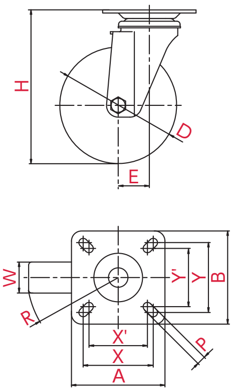
SUS-J Type

Swivel | Plate Type

ϕ 100 130 150 200

BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single Stopper	Double Stopper

SUS-NJ-150



The picture is a typical product image.

Mounting Method Plate Type

Mounting Base

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Fixed

SUS-K Type

P.154

Order Example	SUS	-	N	J	-	150
	Bracket Type		Wheel Type	Bracket Type		Wheel Diameter

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
100	SUS-NRJ-100	Rubber(Including B)	100(102.0)	32	144	95×95	74×74(67×67)	11	32	82
	SUS-NJ-100	Nylon								
	SUS-GUJ-100	PU(Including B)								
130	SUS-NRJ-130	Rubber(Including B)	180(183.6)	40	177	105×105	82×82(75×75)	11	40	105
	SUS-NJ-130	Nylon(Including B)	160(163.2)							
	SUS-GUJ-130	PU(Including B)	180(183.6)							
150	SUS-NRJ-150	Rubber(Including B)	200(204.0)	40	198	120×120	90×90(75×75)	11	40	115
	SUS-NJ-150	Nylon(Including B)	180(183.6)							
	SUS-GUJ-150	PU(Including B)	200(204.0)							
200	SUS-NJ-200	Nylon(Including B)	220(224.4)	43	250	140×140	115×115(105×105)	11.5	56	156
	SUS-GUJ-200	PU(Including B)	250(255.0)							

Wheel Type

NR
Wheel : Nylon
Tread : Rubber (Including B)

N
Wheel : Nylon
Tread : Nylon

N
Wheel : Nylon
Tread : Nylon (Including B)

GU
Wheel : Nylon
Tread : PU (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

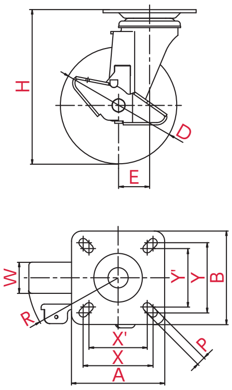
SUS-J-S Type

Swivel | Plate Type

ϕ 100 130 150 200

BZP(Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single Stopper	Double Stopper

SUS-NJ-150S



Mounting Method | Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	SUS	-	N	J	-	150	S
	Bracket Type		Wheel Type	Bracket Type		Wheel Diameter	Stopper

Use together with Fixed

SUS-K Type P.154

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
100	SUS-NRJ-100S	Rubber(Including B)	100(102.0)	32	144	95×95	74×74(67×67)	11	32	86
	SUS-NJ-100S	Nylon								
	SUS-GUJ-100S	PU(Including B)								
130	SUS-NRJ-130S	Rubber(Including B)	180(183.6)	40	177	105×105	82×82(75×75)	11	40	110
	SUS-NJ-130S	Nylon(Including B)	160(163.2)							
	SUS-GUJ-130S	PU(Including B)	180(183.6)							
150	SUS-NRJ-150S	Rubber(Including B)	200(204.0)	40	198	120×120	90×90(75×75)	11	40	115
	SUS-NJ-150S	Nylon(Including B)	180(183.6)							
	SUS-GUJ-150S	PU(Including B)	200(204.0)							
200	SUS-NJ-200S	Nylon(Including B)	220(224.4)	43	250	140×140	115×115(105×105)	11.5	56	156
	SUS-GUJ-200S	PU(Including B)	250(255.0)							

Wheel Type

NR	N	N	GU
Wheel: Nylon Tread: Rubber (Including B)	Wheel: Nylon Tread: Nylon	Wheel: Nylon Tread: Nylon (Including B)	Wheel: Nylon Tread: PU (Including B)

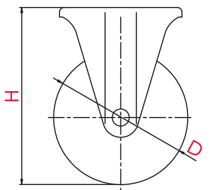
SUS-K Type

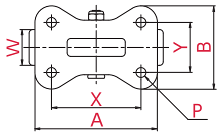
Fixed **Plate Type**

ϕ 100 130 150 200

BZP (Brilliant Zinc Plating)	**Stainless**
Single Bearing	Double Bearing
Single Stopper	Double Stopper

SUS-NK-150





Mounting Method — **Plate Type**

Mounting Base

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with **Swivel**

SUS-J Type
P.152

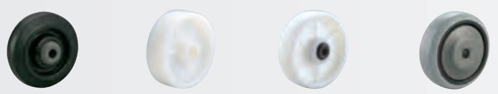
SUS-J-S Type
P.153

The picture is a typical product image.

Order Example	SUS	-	N	K	-	150
	Bracket Type		Wheel Type	Bracket Type		Wheel Diameter

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN (kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y (X'×Y') [mm])	Hole Diameter (P[mm])
100	SUS-NRK-100	Rubber(Including B)	100(102.0)	32	144	115×80	80×45	11
	SUS-NK-100	Nylon						
	SUS-GUK-100	PU(Including B)						
130	SUS-NRK-130	Rubber(Including B)	180(183.6)	40	177	137×93	100×56	11
	SUS-NK-130	Nylon(Including B)	160(163.2)					
	SUS-GUK-130	PU(Including B)	180(183.6)					
150	SUS-NRK-150	Rubber(Including B)	200(204.0)	40	198	137×93	100×56	11
	SUS-NK-150	Nylon(Including B)	180(183.6)					
	SUS-GUK-150	PU(Including B)	200(204.0)					
200	SUS-NK-200	Nylon(Including B)	220(224.4)	43	250	151×102	112×63	11.5
	SUS-GUK-200	PU(Including B)	250(255.0)					

Wheel Type



NR	N	N	GU
Wheel: Nylon Tread: Rubber (Including B)	Wheel: Nylon Tread: Nylon	Wheel: Nylon Tread: Nylon (Including B)	Wheel: Nylon Tread: PU (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

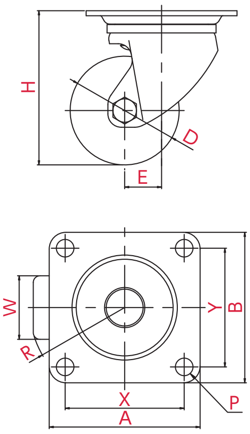
SUS-HG Type

Swivel | **Plate Type** | ϕ 50 65 75

BZP(Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single Stopper	Double Stopper

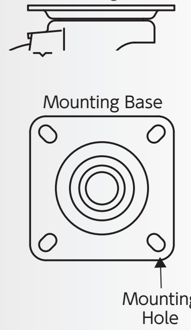
SUS-HG-50GNB

SUS-HG-75GNB



The picture is a typical product image.

Mounting Method — Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example: SUS-HG (Bracket Type) - 50 (Wheel Diameter) GNB (Wheel Type)

▼ Use together with **Fixed**

SUS-HR Type P.157

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	SUS-HG-50GNB	Reinforced Nylon	120(122.4)	28	68	64×64	50×50	6.5	25	51
	SUS-HG-50MC	Monomer Cast Nylon		25						
	SUS-HG-50MCE	Conductive Monomer Cast Nylon								
65	SUS-HG-65GNB	Reinforced Nylon(Including B)	230(234.6)	38	92	90×90	71×71	10.5	22	57
	SUS-HG-65MC	Monomer Cast Nylon(Including B)								
	SUS-HG-65MCE	Conductive Monomer Cast Nylon(Including B)								
	SUS-HG-65PB	Phenol(Including B)								
75	SUS-HG-75GNB	Reinforced Nylon(Including B)	250(255.0)	38	106	90×90	71×71	10.5	22	61
	SUS-HG-75MC	Monomer Cast Nylon(Including B)								
	SUS-HG-75MCE	Conductive Monomer Cast Nylon(Including B)								
	SUS-HG-75PB	Phenol(Including B)								

Wheel Type

GNB	GNB	MC	MC	MCE	MCE	PB
Wheel: Reinforced Nylon Tread: Reinforced Nylon	Wheel: Reinforced Nylon Tread: Reinforced Nylon (Including B)	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon	Wheel: Monomer Cast Nylon Tread: Monomer Cast Nylon (Including B)	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon	Wheel: Conductive Monomer Cast Nylon Tread: Conductive Monomer Cast Nylon(Including B)	Wheel: Phenol Tread: Phenol (Including B)

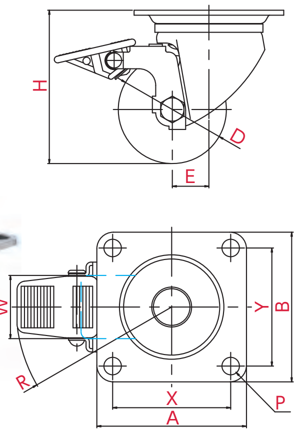
SUS-HG-S Type

Swivel **Plate Type** ϕ 50 65 75

BZP(Brilliant Zinc Plating) | **Stainless**
Single Bearing | **Double Bearing**
Single Stopper | Double Stopper

SUS-HG-50GNBS

SUS-HG-75GNBS



The picture is a typical product image.

Order Example | SUS-HG - 75 GNB S
Bracket Type | Wheel Diameter | Wheel Type | Stopper

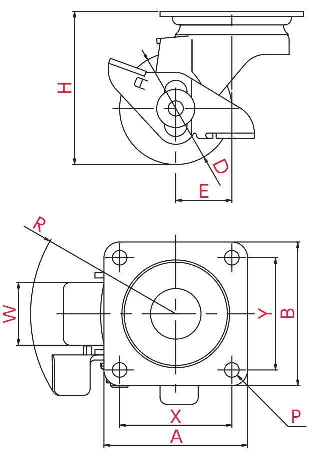
Mounting Method: Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with **Fixed**

SUS-HR Type
P.157

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50*	SUS-HG-50GNBS	Reinforced Nylon	120(122.4)	28	68	64×64	50×50	6.5	25	65
	SUS-HG-50MCS	Monomer Cast Nylon		25						
	SUS-HG-50MCES	Conductive Monomer Cast Nylon								
65	SUS-HG-65GNBS	Reinforced Nylon(Including B)	230(234.6)	38	92	90×90	71×71	10.5	22	94
	SUS-HG-65MCS	Monomer Cast Nylon(Including B)								
	SUS-HG-65MCES	Conductive Monomer Cast Nylon(Including B)								
	SUS-HG-65PBS	Phenol(Including B)								
75	SUS-HG-75GNBS	Reinforced Nylon(Including B)	250(255.0)	38	106	90×90	71×71	10.5	22	96
	SUS-HG-75MCS	Monomer Cast Nylon(Including B)								
	SUS-HG-75MCES	Conductive Monomer Cast Nylon(Including B)								
	SUS-HG-75PBS	Phenol(Including B)								



*50mm type has only side stopper type.

Wheel Type

GNB	GNB	MC	MC	MCE	MCE	PB
Wheel：Reinforced Nylon Tread：Reinforced Nylon	Wheel：Reinforced Nylon Tread：Reinforced Nylon (Including B)	Wheel：Monomer Cast Nylon Tread：Monomer Cast Nylon	Wheel：Monomer Cast Nylon Tread：Monomer Cast Nylon (Including B)	Wheel：Conductive Monomer Cast Nylon Tread：Conductive Monomer Cast Nylon	Wheel：Conductive Monomer Cast Nylon Tread：Conductive Monomer Cast Nylon(Including B)	Wheel：Phenol Tread：Phenol (Including B)

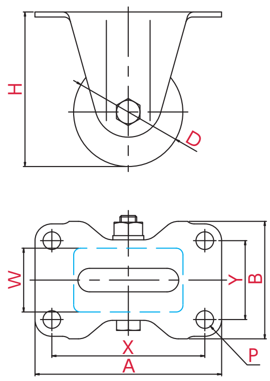
SUS-HR Fixed Type Plate Type

ϕ 50 65 75

BZP(Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SUS-HR-50GNB

SUS-HR-75GNB



The picture is a typical product image.

Mounting Method: Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Swivel

SUS-HG Type P.155

SUS-HG-S Type P.156

Order Example: SUS-HR (Bracket Type) - 50 (Wheel Diameter) GNB (Wheel Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
50	**SUS-HR-50GNB**	Reinforced Nylon	120(122.4)	28	68	80×50	66×36	6.5
	SUS-HR-50MC	Monomer Cast Nylon		25				
	SUS-HR-50MCE	Conductive Monomer Cast Nylon						
65	**SUS-HR-65GNB**	Reinforced Nylon(Including B)	230(234.6)	38	92	111×70	91×47	10.5
	SUS-HR-65MC	Monomer Cast Nylon(Including B)						
	SUS-HR-65MCE	Conductive Monomer Cast Nylon(Including B)						
	SUS-HR-65PB	Phenol(Including B)						
75	**SUS-HR-75GNB**	Reinforced Nylon(Including B)	250(255.0)	38	106	123×72	103×52	10.5
	SUS-HR-75MC	Monomer Cast Nylon(Including B)						
	SUS-HR-75MCE	Conductive Monomer Cast Nylon(Including B)						
	SUS-HR-75PB	Phenol(Including B)						

Wheel Type

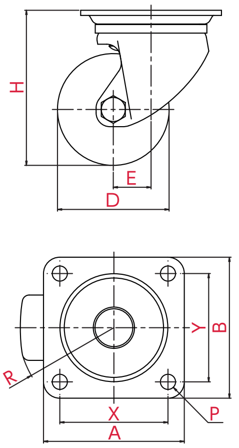
GNB	GNB	MC	MC	MCE	MCE	PB
Wheel:Reinforced Nylon Tread:Reinforced Nylon	Wheel:Reinforced Nylon Tread:Reinforced Nylon (Including B)	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon (Including B)	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon(Including B)	Wheel:Phenol Tread:Phenol (Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

SUS-HSG Swivel Type Plate Type ϕ50 65 75

BZP(Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single Stopper	Double Stopper

SUS-HSG-75GNB



Mounting Method — Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: SUS-HSG (Bracket Type) - 75 (Wheel Diameter) GNB (Wheel Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
50	**SUS-HSG-50GFB**	Reinforced Nylon(Including B)	250(255.0)	38	79	82×82	63×63	8.8	22	49
	SUS-HSG-50MC	Monomer Cast Nylon(Including B)								
	SUS-HSG-50MCE	Conductive Monomer Cast Nylon(Including B)								
	SUS-HSG-50PB	Phenol(Including B)								
65	**SUS-HSG-65GNB**	Reinforced Nylon(Including B)	250(255.0)	38	90	82×82	63×63	8.8	22	56
	SUS-HSG-65MC	Monomer Cast Nylon(Including B)								
	SUS-HSG-65MCE	Conductive Monomer Cast Nylon(Including B)								
	SUS-HSG-65PB	Phenol(Including B)								
75	**SUS-HSG-75GNB**	Reinforced Nylon(Including B)	250(255.0)	38	100	82×82	63×63	8.8	22	61
	SUS-HSG-75MC	Monomer Cast Nylon(Including B)								
	SUS-HSG-75MCE	Conductive Monomer Cast Nylon(Including B)								
	SUS-HSG-75PB	Phenol(Including B)								

Wheel Type

GNB	GFB	MC	MCE	PB
Wheel:Reinforced Nylon Tread:Reinforced Nylon (Including B)	Wheel:Reinforced Nylon Tread:Reinforced Nylon (Including B)	Wheel:Monomer Cast Nylon Tread:Monomer Cast Nylon (Including B)	Wheel:Conductive Monomer Cast Nylon Tread:Conductive Monomer Cast Nylon(Including B)	Wheel:Phenol Tread:Phenol (Including B)

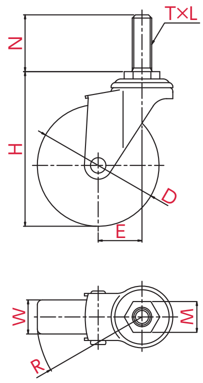
SUS-ET Type

Swivel | Screw-In Type

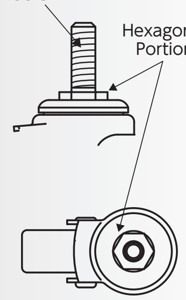
ϕ 50 65 75 100

BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single Stopper	Double Stopper

SUS-ET-100N,M12×35



Mounting Method Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	SUS-ET	-	100	N	,	M12	×	35
	Bracket Type		Wheel Diameter	Wheel Type		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	**SUS-ET-50EL**	Elastomer	25(25.5)	20	68	M12×35	1.75	19	22	47
	SUS-ET-50R	Rubber	30(30.6)							
	SUS-ET-50N	Nylon	40(40.8)	21						
	SUS-ET-50UR	PU	38(38.8)							
65	**SUS-ET-65EL**	Elastomer	30(30.6)	21	85	M12×35	1.75	19	23	56
	SUS-ET-65RH	Rubber								
	SUS-ET-65N	Nylon	40(40.8)							
	SUS-ET-65UR	PU								
75	**SUS-ET-75EL**	Elastomer	30(30.6)	21	95	M12×35	1.75	19	27	65
	SUS-ET-75RH	Rubber	40(40.8)							
	SUS-ET-75N	Nylon	50(51.0)							
	SUS-ET-75UR	PU	45(45.9)							
100	**SUS-ET-100EL**	Elastomer	50(51.0)	27	126	M12×35 M16×40 W3/4×40	1.75 2 10TPI	21 23 23	31	82
	SUS-ET-100RH	Rubber		25						
	SUS-ET-100NR		60(61.2)	27						
	SUS-ET-100N	Nylon		25						
	SUS-ET-100UR	PU		28						

Wheel Type

EL	R	RH	NR	N	UR
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Nylon Tread:Nylon	Wheel:Nylon Tread:PU

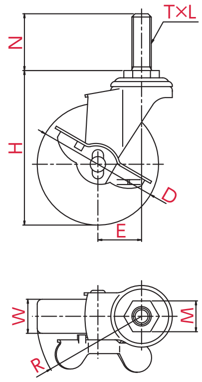
SUS-ET-S Type

Swivel | Screw-In Type

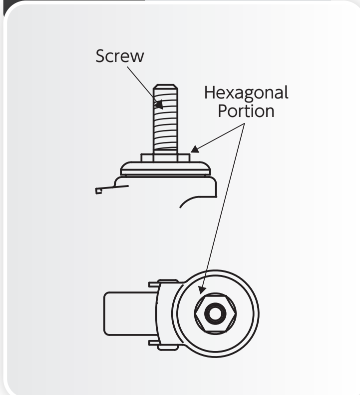
ϕ 50 65 75 100

BZP(Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SUS-ET-100NS,M12×35



Mounting Method | Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	SUS-ET	-	100	N	S	,	M12	X	35
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench
▸P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	SUS-ET-50ELS	Elastomer	25(25.5)	20	68	M12×35	1.75	19	22	49
	SUS-ET-50RS	Rubber	30(30.6)							
	SUS-ET-50NS	Nylon	40(40.8)	21						
	SUS-ET-50URS	PU	38(38.8)							
65	SUS-ET-65ELS	Elastomer	30(30.6)	21	85	M12×35	1.75	19	23	57
	SUS-ET-65RHS	Rubber								
	SUS-ET-65NS	Nylon	40(40.8)							
	SUS-ET-65URS	PU								
75	SUS-ET-75ELS	Elastomer	30(30.6)	21	95	M12×35	1.75	19	27	65
	SUS-ET-75RHS	Rubber	40(40.8)							
	SUS-ET-75NS	Nylon	50(51.0)							
	SUS-ET-75URS	PU	45(45.9)							
100	SUS-ET-100ELS	Elastomer	50(51.0)	27	126	M12×35 M16×40 W3/4×40	1.75 2 10TPI	21 23 23	31	82
	SUS-ET-100RHS	Rubber		25						
	SUS-ET-100NRS		60(61.2)	27						
	SUS-ET-100NS	Nylon		25						
	SUS-ET-100URS	PU		28						

Wheel Type

EL	R	RH	NR	N	UR
Wheel:PP Tread:Elastomer	Wheel:Rubber Tread:Rubber	Wheel:Rubber Tread:Rubber	Wheel:Nylon Tread:Rubber	Wheel:Nylon Tread:Nylon	Wheel:Nylon Tread:PU

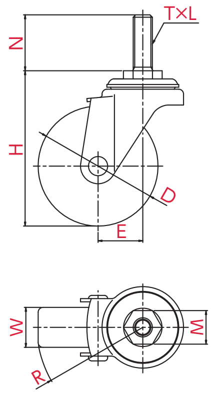
SUS-ST Type

Swivel | Screw-In Type

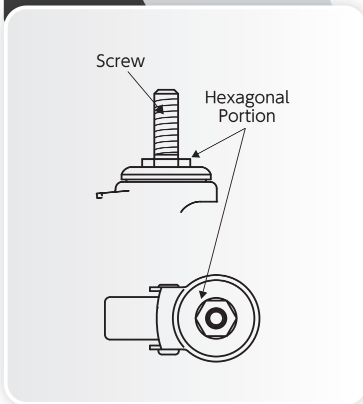
ϕ 50 65 75

BZP (Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SUS-ST-75N,M16×40



Mounting Method | Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

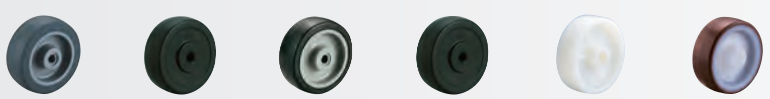
Order Example: SUS-ST (Bracket Type) - 75 (Wheel Diameter) N (Wheel Type) , M16 (Screw Diameter) x 40 (Screw Length)

Please set "Screw Diameter × Length" after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	SUS-ST-50EL	Elastomer	35(35.7)	27	74	M12×35	1.75	21	27	53
	SUS-ST-50RH	Rubber	50(51.0)	28		M16×40	2	23		
	SUS-ST-50N	Nylon	60(61.2)			W3/4×40	10TPI	23		
	SUS-ST-50UR	PU		25						
65	SUS-ST-65EL	Elastomer	40(40.8)	27	89	M12×35	1.75	21	27	61
	SUS-ST-65RH	Rubber	50(51.0)	25		M16×40	2	23		
	SUS-ST-65RHE	Conductive Rubber				W3/4×40	10TPI	23		
	SUS-ST-65N	Nylon	70(71.4)							
	SUS-ST-65UR	PU	60(61.2)							
75	SUS-ST-75EL	Elastomer	50(51.0)	27	97	M12×35	1.75	21	28	66
	SUS-ST-75RH	Rubber	60(61.2)	25		M16×40	2	23		
	SUS-ST-75NR			27		W3/4×40	10TPI	23		
	SUS-ST-75RHE	Conductive Rubber		25						
	SUS-ST-75N	Nylon	80(81.6)							
	SUS-ST-75UR	PU	70(71.4)	26						

Wheel Type



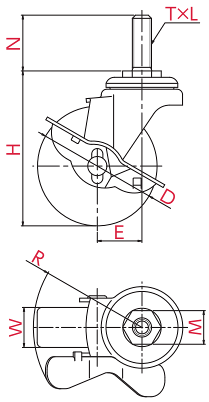
EL	RH	NR	RHE	N	UR
Wheel: PP Tread: Elastomer	Wheel: Rubber Tread: Rubber	Wheel: Nylon Tread: Rubber	Wheel: Conductive Rubber Tread: Conductive Rubber	Wheel: Nylon Tread: Nylon	Wheel: Nylon Tread: PU

SUS-ST-S Type

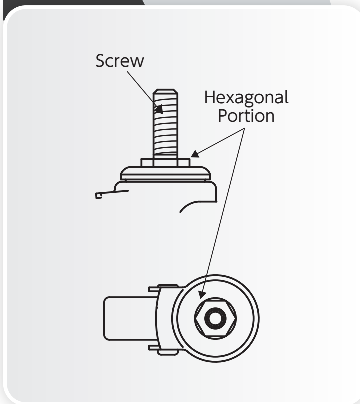
Swivel · Screw-In Type · ϕ 50 65 75

BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single Stopper	Double Stopper

SUS-ST-75NS,M16×40



Mounting Method: Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

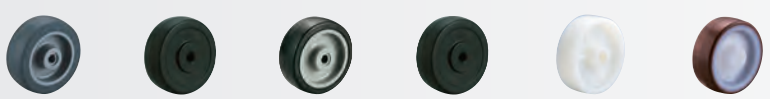
Order Example	SUS-ST	-	75	N	S	,	M16	X	40
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸ P.218

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

Wheel Type



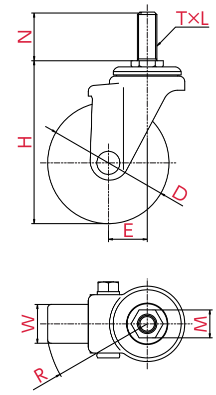
EL	RH	NR	RHE	N	UR
Wheel: PP Tread: Elastomer	Wheel: Rubber Tread: Rubber	Wheel: Nylon Tread: Rubber	Wheel: Conductive Rubber Tread: Conductive Rubber	Wheel: Nylon Tread: Nylon	Wheel: Nylon Tread: PU

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

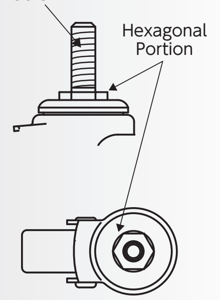
SUS-SJT Swivel Screw-In Type Type ϕ 100 125

BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single Stopper	Double Stopper

SUS-SJT-100N,M20×40



Mounting Method **Screw-In Type**



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	SUS-SJT	-	100	N	,	M20	x	40
	Bracket Type		Wheel Diameter	Wheel Type		Screw Diameter		Screw Length

Please set **"Screw Diameter × Length"** after product name

Special Wrench ▸P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
100	SUS-SJT-100N	Nylon	120(122.4)	32	134	M16×40 M20×40	2 2.5	23 30	32	83
	SUS-SJT-100GU	PU(Including B)	100(102.0)							
	SUS-SJT-100BRU,BC									
125	SUS-SJT-125GU	PU(Including B)	120(122.4)	32	166	M16×40 M20×40	2 2.5	23 30	32	95
	SUS-SJT-125BRU,BC									

Wheel Type

N
Wheel: Nylon
Tread: Nylon

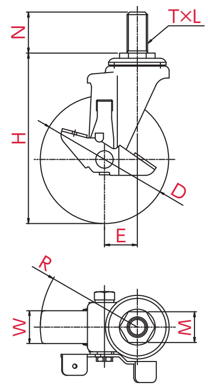
GU
Wheel: Nylon
Tread: PU (Including B)

BRU
Wheel: Nylon
Tread: PU (Including B)

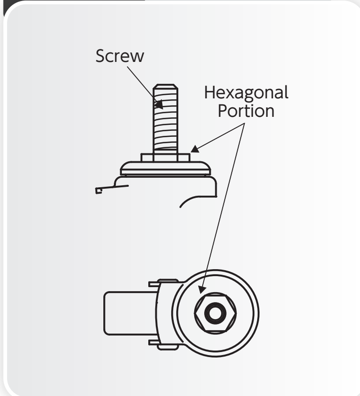
SUS-SJT-S Swivel Screw-In Type Type ϕ 100 125

BZP(Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SUS-SJT-100NS,M20×40



Mounting Method: Screw-In Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: SUS-SJT (Bracket Type) - 100 (Wheel Diameter) N (Wheel Type) S (Stopper) , M20 (Screw Diameter) × 40 (Screw Length)

Please set "Screw Diameter × Length" after product name

Special Wrench ▸P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
100	SUS-SJT-100NS	Nylon	120(122.4)	32	134	M16×40 M20×40	2 2.5	23 30	32	86
	SUS-SJT-100GUS	PU(Including B)	100(102.0)							
	SUS-SJT-100BRUS,BC									
125	SUS-SJT-125GUS	PU(Including B)	120(122.4)	32	166	M16×40 M20×40	2 2.5	23 30	32	97
	SUS-SJT-125BRUS,BC									

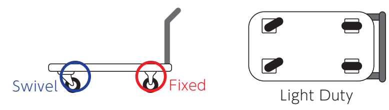
Wheel Type

N	GU	BRU
Wheel:Nylon Tread:Nylon	Wheel:Nylon Tread:PU (Including B)	Wheel:Nylon Tread:PU (Including B)

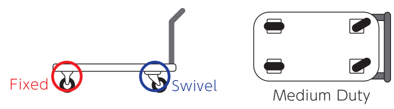
G-type
L-type
E-type
M-type
S-type
J-type
PM-type
H-type
AF-type
NP-type
SKY-type
SILENT-type
OTHER

Column Caster Mounting Position

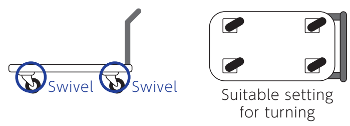
■Better operability by setting swivel caster on front. It's suitable for carrying light duty goods.



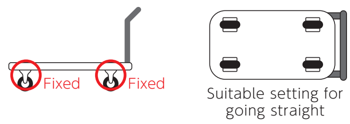
■Able to turn with small power by setting swivel caster on back. It's suitable for medium duty and heavy duty goods.



■Smooth moving 360° by setting 4 swivel caster.



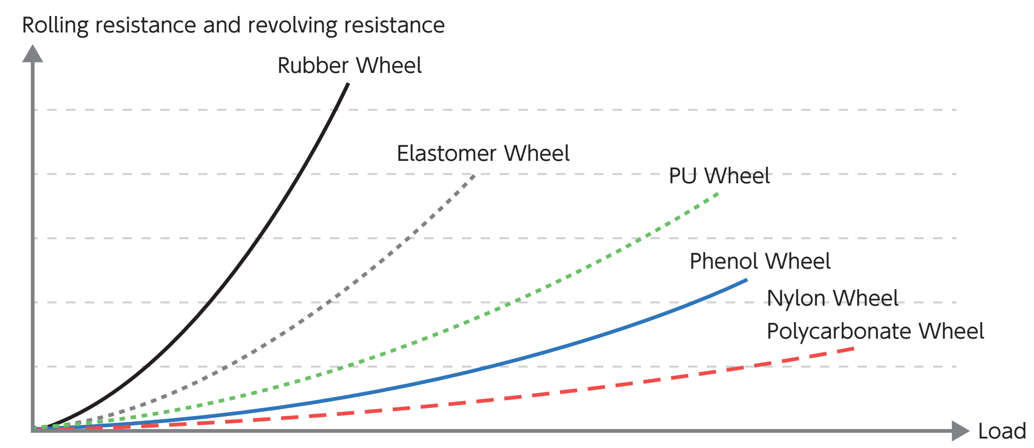
■Best moving 180° (forward and back) by setting 4 fixed caster.



Column Rolling and revolving resistance of wheel material

Starting, rolling and revolving resistance of caster are greatly affected by the material of the wheel and the floor.Soft materials such as rubber, elastomer, PU, etc. are difficult to roll because of high resistance.Conversely, high rigidity materials such as nylon, phenol, polycarbonate, etc. become the factor that improve mobility.

◆Image diagram of rolling and revolving resistance of wheel material



*Starting, rolling and revolving resistance requires confirmation of the following factors.
Wheel diameter, rigidity and elasticity of tire, wheel width (tread surface), eccentricity, bearing, load capacity, floor material, etc.

◆Wheel

Rubber Wheel | Elastomer Wheel | PU Wheel | Phenol Wheel | Nylon Wheel | Polycarbonate Wheel

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESSTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

L E A D S T A R

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

LINEUP ・SKY-type

LEADSTAR

Towing Towing Speed / Under 10km/h

Product Video

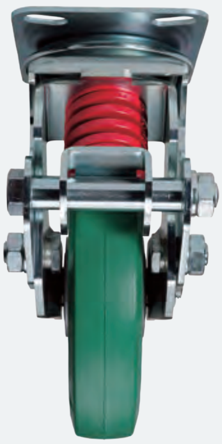
Durability caster,
improved startability and easy to
control by towing.

POINT.1 Absorb shock by built-in spring

Shock Less 1/5

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

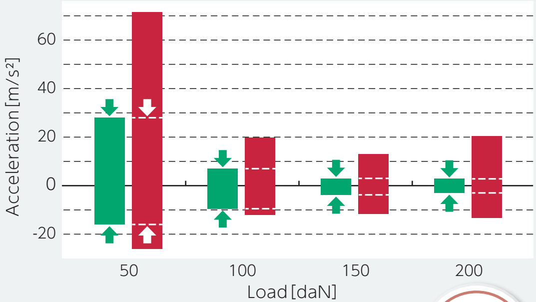
Symbol	Spring Color	Proper Load
−1	Blue spring	100daN
−2	Red spring	200daN

For valious load, there are 2 type springs. You can choose most suitable cushion function for weight of your goods.

■ Shock Acceleration Test

Compared with conventional product.

		Load [daN] ([kgf])	50.00 (51.00)	100.00 (102.00)	150.00 (153.00)	200.00 (204.00)
SKY-2S200WF (AR)						
Acceleration [m/s²]	Maximum(Up Ward)		27.54	6.75	2.97	2.80
	Minimum(Down Ward)		-16.15	-9.63	-3.85	-3.16
WFJ-200 (AR)						
Acceleration [m/s²]	Maximum(Up Ward)		71.83	19.59	12.76	20.51
	Minimum(Down Ward)		-25.81	-11.95	-11.77	-13.60

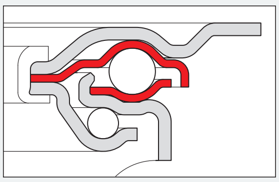


POINT.2 Perfect operability with light starting force

Load Less 30%

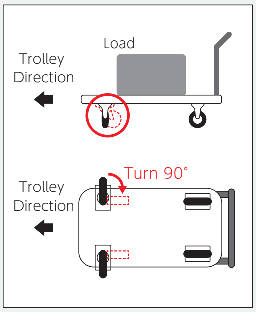
Excellent starting turnability, reduce workload

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

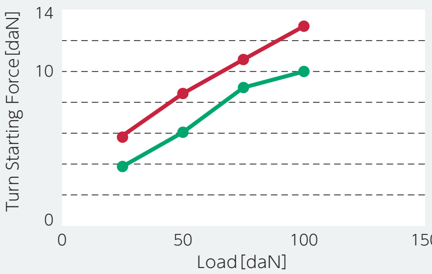
Strengthened bearing structure for withstanding hard usage environment like heavy goods towing. Reduced wheel squareness and prevented shimmy phenomenon: when high-speed towing, wheel is shaking.



■ Turn Starting Force Test

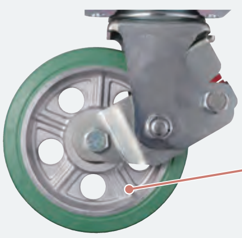
Compared with conventional product.

	Load [daN] ([kgf])	25.00 (25.50)	50.00 (51.00)	75.00 (76.50)	100.00 (102.00)
SKY-2S200WF (AR)					
Turn Starting Force	[daN] ([kgf])	3.89 (3.97)	6.15 (6.27)	8.84 (9.02)	10.03 (10.23)
SKY-1S200WF (AR)					
Turn Starting Force	[daN] ([kgf])	5.89 (5.97)	8.49 (8.66)	10.78 (11.00)	12.90 (13.16)



POINT.3 Excellent rotational accuracy aluminum die casting wheel

Reduced wheel squareness and noise

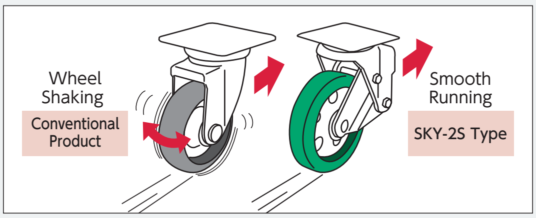


·Low noise and comfortable by preventing shimmy phenomenon.
·Realized long-life product by hard wear resistance for wheel.

Aluminum Die Cast

Introduced self development aluminum die casting wheel for reducing wheel squareness.

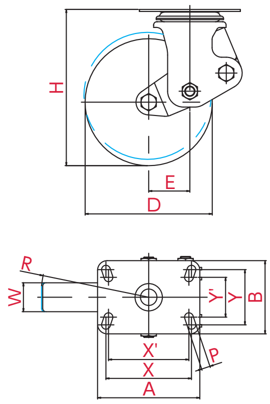
■ Shimmy Phenomenon: When high-speed towing, wheel is shaking



SKY-2S Swivel Type Plate Type φ 150 200

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SKY-2S200AW(AR)Gr-A-1



Mounting Method | Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: SKY-2S (Bracket Type) 200 (Wheel Diameter) AW(AR)Gr (Wheel Type) - A (Mounting Dimensions) - 1 (Proper Load)

▼ Use together with Fixed

SKY-2R Type
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Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	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])
150	SKY-2S150AW-A-1	Rubber(Including B)	100(102.0)	42	193 [~183]	159×114	133×86(125×62)	13.5	50 [~54]	126 [~131]
	SKY-2S150AW-A-2		200(204.0)							
	SKY-2S150AW-B-1		100(102.0)			120×120	94×94(87×87)	11		
	SKY-2S150AW-B-2		200(204.0)							
	SKY-2S150WF(AR)-A-1	Abrasion Resistant Rubber(Including B)	100(102.0)	40		159×114	133×86(125×62)	13.5		
	SKY-2S150WF(AR)-A-2		200(204.0)							
	SKY-2S150WF(AR)-B-1		100(102.0)			120×120	94×94(87×87)	11		
	SKY-2S150WF(AR)-B-2		200(204.0)							
	SKY-2S150WF(Gr)-A-1	Green Rubber(Including B)	100(102.0)			159×114	133×86(125×62)	13.5		
	SKY-2S150WF(Gr)-A-2		200(204.0)							
	SKY-2S150WF(Gr)-B-1		100(102.0)			120×120	94×94(87×87)	11		
	SKY-2S150WF(Gr)-B-2		200(204.0)							
	SKY-2S150AW(AR)Gr-A-1	Abrasion Resistant Green Rubber(Including B)	100(102.0)	42		159×114	133×86(125×62)	13.5		
	SKY-2S150AW(AR)Gr-A-2		200(204.0)							
	SKY-2S150AW(AR)Gr-B-1		100(102.0)			120×120	94×94(87×87)	11		
	SKY-2S150AW(AR)Gr-B-2		200(204.0)							
	SKY-2S150UWF-A-1	PU(Including B)	100(102.0)	38		159×114	133×86(125×62)	13.5		
	SKY-2S150UWF-A-2		200(204.0)							
	SKY-2S150UWF-B-1		100(102.0)			120×120	94×94(87×87)	11		
	SKY-2S150UWF-B-2		200(204.0)							
	SKY-2S150UWF/INJ-A-1	PU(Including B)	100(102.0)			159×114	133×86(125×62)	13.5		
	SKY-2S150UWF/INJ-A-2		200(204.0)							
	SKY-2S150UWF/INJ-B-1		100(102.0)			120×120	94×94(87×87)	11		
	SKY-2S150UWF/INJ-B-2		200(204.0)							
	SKY-2S150APU-A-1	PU(Including B)	100(102.0)			159×114	133×86(125×62)	13.5		
	SKY-2S150APU-A-2		200(204.0)							
	SKY-2S150APU-B-1		100(102.0)			120×120	94×94(87×87)	11		
	SKY-2S150APU-B-2		200(204.0)							
	SKY-2S150AUU-A-1	PU(Including B)	100(102.0)	42		159×114	133×86(125×62)	13.5		
	SKY-2S150AUU-A-2		200(204.0)							
	SKY-2S150AUU-B-1		100(102.0)			120×120	94×94(87×87)	11		
	SKY-2S150AUU-B-2		200(204.0)							

*It is the date value in parenthesis when load in maximum.

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	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])
200	SKY-2S200AW-A-1	Rubber(Including B)	100(102.0)	45	246 [~236]	159×114	133×86(125×62)	13.5	65 [~67]	166 [~168]
	SKY-2S200AW-A-2		200(204.0)							
	SKY-2S200AW-B-1		100(102.0)			144×144	120×120(105×105)	11.5		
	SKY-2S200AW-B-2		200(204.0)							
	SKY-2S200WF(AR)-A-1	Abrasion Resistant Rubber(Including B)	100(102.0)	43		159×114	133×86(125×62)	13.5		
	SKY-2S200WF(AR)-A-2		200(204.0)							
	SKY-2S200WF(AR)-B-1		100(102.0)			144×144	120×120(105×105)	11.5		
	SKY-2S200WF(AR)-B-2		200(204.0)							
	SKY-2S200WF(Gr)-A-1	Green Rubber(Including B)	100(102.0)			159×114	133×86(125×62)	13.5		
	SKY-2S200WF(Gr)-A-2		200(204.0)							
	SKY-2S200WF(Gr)-B-1		100(102.0)			144×144	120×120(105×105)	11.5		
	SKY-2S200WF(Gr)-B-2		200(204.0)							
	SKY-2S200AW(AR)Gr-A-1	Abrasion Resistant Green Rubber(Including B)	100(102.0)	45		159×114	133×86(125×62)	13.5		
	SKY-2S200AW(AR)Gr-A-2		200(204.0)							
	SKY-2S200AW(AR)Gr-B-1		100(102.0)			144×144	120×120(105×105)	11.5		
	SKY-2S200AW(AR)Gr-B-2		200(204.0)							
	SKY-2S200UWF-A-1	PU(Including B)	100(102.0)	42		159×114	133×86(125×62)	13.5		
	SKY-2S200UWF-A-2		200(204.0)							
	SKY-2S200UWF-B-1		100(102.0)			144×144	120×120(105×105)	11.5		
	SKY-2S200UWF-B-2		200(204.0)							
	SKY-2S200UWF/INJ-A-1	PU(Including B)	100(102.0)			159×114	133×86(125×62)	13.5		
	SKY-2S200UWF/INJ-A-2		200(204.0)							
	SKY-2S200UWF/INJ-B-1		100(102.0)			144×144	120×120(105×105)	11.5		
	SKY-2S200UWF/INJ-B-2		200(204.0)							
	SKY-2S200APU-A-1	PU(Including B)	100(102.0)	45		159×114	133×86(125×62)	13.5		
	SKY-2S200APU-A-2		200(204.0)							
	SKY-2S200APU-B-1		100(102.0)			144×144	120×120(105×105)	11.5		
	SKY-2S200APU-B-2		200(204.0)							
	SKY-2S200AUU-A-1	PU(Including B)	100(102.0)			159×114	133×86(125×62)	13.5		
	SKY-2S200AUU-A-2		200(204.0)							
	SKY-2S200AUU-B-1		100(102.0)			144×144	120×120(105×105)	11.5		
	SKY-2S200AUU-B-2		200(204.0)							

*It is the date value in parenthesis when load in maximum.

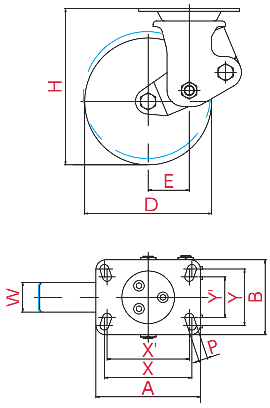
AW	WF(AR)	WF(Gr)	AW(AR)Gr	UWF	UWF/INJ	APU	AUU
Wheel:Aluminum Tread:Rubber (Including B)	Wheel:Steel Tread:Abrasion Resistant Rubber(Including B)	Wheel:Steel Tread:Green Rubber (Including B)	Wheel:Aluminum Tread:Abrasion Resistant Green Rubber(Including B)	Wheel:Steel Tread:PU (Including B)	Wheel:Steel Tread:PU (Including B)	Wheel:Aluminum Tread:PU (Including B)	Wheel:Aluminum Tread:PU (Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

SKY-2R Fixed Type Plate Type ϕ 150 200

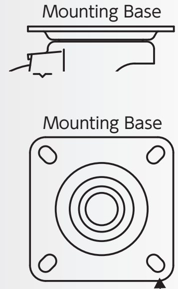
BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SKY-2R200AW(AR)Gr-A-1



Mounting Method — Plate Type

Mounting Base



Mounting Base

Mounting Hole

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- **Towing Trolley**
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with **Swivel**

SKY-2S Type

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The picture is a typical product image.

Order Example	SKY-2R	200	AW(AR)Gr	-	A	-	1
	Bracket Type	Wheel Diameter	Wheel Type		Mounting Dimensions		Proper Load

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	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])
150	**SKY-2R150AW-A-1**	Rubber(Including B)	100(102.0)	42	193 [~183]	159×114	133×86(125×62)	13.5	50 [~54]
	SKY-2R150AW-A-2		200(204.0)						
	SKY-2R150AW-B-1		100(102.0)			137×93	112×50(100×56)	11	
	SKY-2R150AW-B-2		200(204.0)						
	SKY-2R150WF(AR)-A-1	Abrasion Resistant Rubber(Including B)	100(102.0)	40		159×114	133×86(125×62)	13.5	
	SKY-2R150WF(AR)-A-2		200(204.0)						
	SKY-2R150WF(AR)-B-1		100(102.0)			137×93	112×50(100×56)	11	
	SKY-2R150WF(AR)-B-2		200(204.0)						
	SKY-2R150WF(Gr)-A-1	Green Rubber(Including B)	100(102.0)			159×114	133×86(125×62)	13.5	
	SKY-2R150WF(Gr)-A-2		200(204.0)						
	SKY-2R150WF(Gr)-B-1		100(102.0)			137×93	112×50(100×56)	11	
	SKY-2R150WF(Gr)-B-2		200(204.0)						
	SKY-2R150AW(AR)Gr-A-1	Abrasion Resistant Green Rubber(Including B)	100(102.0)	42		159×114	133×86(125×62)	13.5	
	SKY-2R150AW(AR)Gr-A-2		200(204.0)						
	SKY-2R150AW(AR)Gr-B-1		100(102.0)			137×93	112×50(100×56)	11	
	SKY-2R150AW(AR)Gr-B-2		200(204.0)						
	SKY-2R150UWF-A-1	PU(Including B)	100(102.0)	38		159×114	133×86(125×62)	13.5	
	SKY-2R150UWF-A-2		200(204.0)						
	SKY-2R150UWF-B-1		100(102.0)			137×93	112×50(100×56)	11	
	SKY-2R150UWF-B-2		200(204.0)						
	SKY-2R150UWF/INJ-A-1	PU(Including B)	100(102.0)			159×114	133×86(125×62)	13.5	
	SKY-2R150UWF/INJ-A-2		200(204.0)						
	SKY-2R150UWF/INJ-B-1		100(102.0)			137×93	112×50(100×56)	11	
	SKY-2R150UWF/INJ-B-2		200(204.0)						
	SKY-2R150APU-A-1	PU(Including B)	100(102.0)			159×114	133×86(125×62)	13.5	
	SKY-2R150APU-A-2		200(204.0)						
	SKY-2R150APU-B-1		100(102.0)			137×93	112×50(100×56)	11	
	SKY-2R150APU-B-2		200(204.0)						
	SKY-2R150AUU-A-1	PU(Including B)	100(102.0)	42		159×114	133×86(125×62)	13.5	
	SKY-2R150AUU-A-2		200(204.0)						
	SKY-2R150AUU-B-1		100(102.0)			137×93	112×50(100×56)	11	
	SKY-2R150AUU-B-2		200(204.0)						

*It is the date value in parenthesis when load in maximum.

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	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])
200	SKY-2R200AW-A-1	Rubber(Including B)	100(102.0)	45	246 [~236]	159×114	133×86(125×62)	13.5	65 [~67]
	SKY-2R200AW-A-2		200(204.0)						
	SKY-2R200AW-B-1		100(102.0)			180×110	112×63(140×50)	11.5	
	SKY-2R200AW-B-2		200(204.0)						
	SKY-2R200WF(AR)-A-1	Abrasion Resistant Rubber(Including B)	100(102.0)	43		159×114	133×86(125×62)	13.5	
	SKY-2R200WF(AR)-A-2		200(204.0)						
	SKY-2R200WF(AR)-B-1		100(102.0)			180×110	112×63(140×50)	11.5	
	SKY-2R200WF(AR)-B-2		200(204.0)						
	SKY-2R200WF(Gr)-A-1	Green Rubber(Including B)	100(102.0)			159×114	133×86(125×62)	13.5	
	SKY-2R200WF(Gr)-A-2		200(204.0)						
	SKY-2R200WF(Gr)-B-1		100(102.0)			180×110	112×63(140×50)	11.5	
	SKY-2R200WF(Gr)-B-2		200(204.0)						
	SKY-2R200AW(AR)Gr-A-1	Abrasion Resistant Green Rubber(Including B)	100(102.0)	45		159×114	133×86(125×62)	13.5	
	SKY-2R200AW(AR)Gr-A-2		200(204.0)						
	SKY-2R200AW(AR)Gr-B-1		100(102.0)			180×110	112×63(140×50)	11.5	
	SKY-2R200AW(AR)Gr-B-2		200(204.0)						
	SKY-2R200UWF-A-1	PU(Including B)	100(102.0)	42		159×114	133×86(125×62)	13.5	
	SKY-2R200UWF-A-2		200(204.0)						
	SKY-2R200UWF-B-1		100(102.0)			180×110	112×63(140×50)	11.5	
	SKY-2R200UWF-B-2		200(204.0)						
	SKY-2R200UWF/INJ-A-1	PU(Including B)	100(102.0)			159×114	133×86(125×62)	13.5	
	SKY-2R200UWF/INJ-A-2		200(204.0)						
	SKY-2R200UWF/INJ-B-1		100(102.0)			180×110	112×63(140×50)	11.5	
	SKY-2R200UWF/INJ-B-2		200(204.0)						
	SKY-2R200APU-A-1	PU(Including B)	100(102.0)	45		159×114	133×86(125×62)	13.5	
	SKY-2R200APU-A-2		200(204.0)						
	SKY-2R200APU-B-1		100(102.0)			180×110	112×63(140×50)	11.5	
	SKY-2R200APU-B-2		200(204.0)						
	SKY-2R200AUU-A-1	PU(Including B)	100(102.0)			159×114	133×86(125×62)	13.5	
	SKY-2R200AUU-A-2		200(204.0)						
	SKY-2R200AUU-B-1		100(102.0)			180×110	112×63(140×50)	11.5	
	SKY-2R200AUU-B-2		200(204.0)						

＊It is the date value in parenthesis when load in maximum.

SMOOSTAR

High quality model with
shock absorbing function.

LINEUP ・SKY-type ・NP-type

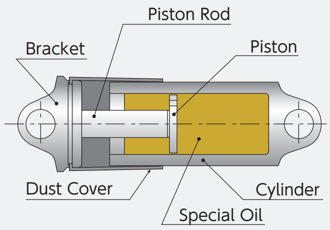
SMOOSTAR

Caster Wheel with Shock Absorber

Protect your goods from shocks and vibrations.

NP Type

Shock absorber reduces vibrations! Best choice for carrying precision machinery and medical equipment



Features of NP type

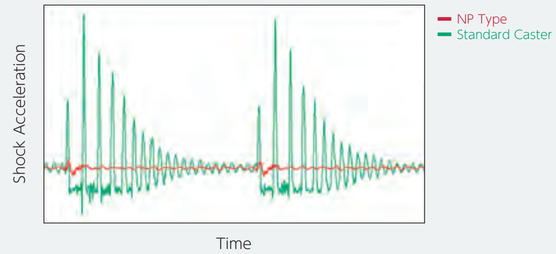
- Shock Absorber - Protect your goods from shocks and vibrations.
- Stainless Caster - Protect it from getting rust and dirty.
- Anti-Static PU - Protect it from dust.

KAIZEN!

- Comfortable carrying
- Reduction of noise when caster runs

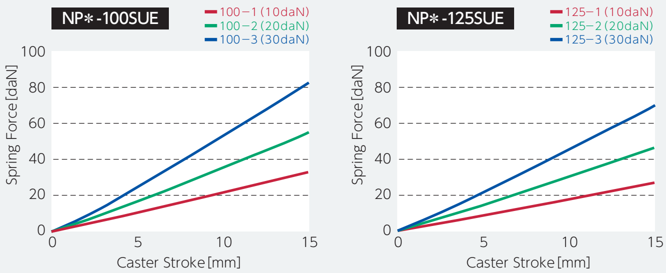
Test results of shock absorbing performance

Internal shock absorber reduces shocks and vibrations. Maximum 90% of those from standard caster wheel. (Compared with conventional product.)



Elastic Force

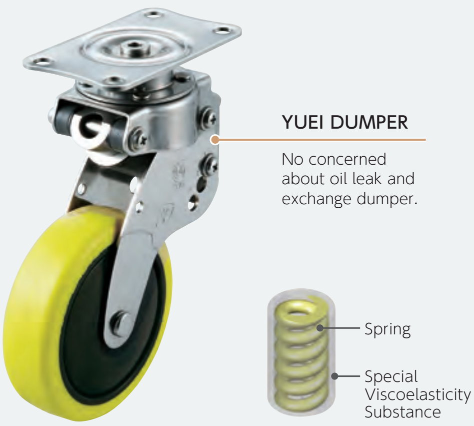
・You can choose proper load from 10daN, 20daN, 30daN.



SKY Type

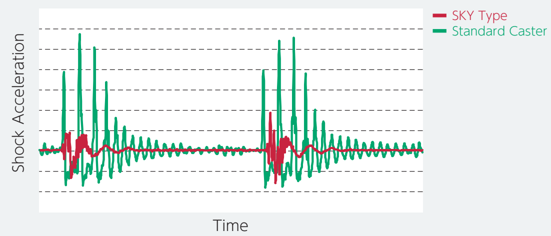
Special Viscoelastic Dumper reduces shock and vibration! Smooth and Silent Running

High performance deep ball bearing is set on turing parts, it runs smoothly and silently.



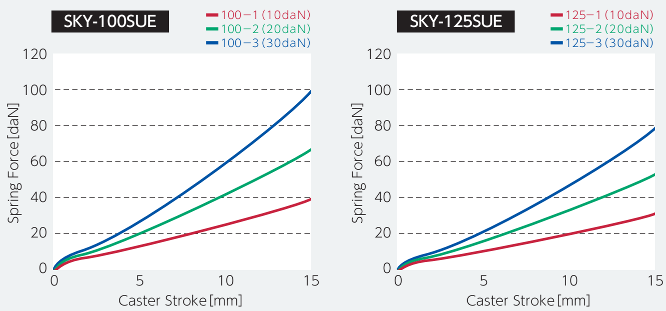
Test results of shock absorbing performance

・Reduced 1/5 shaking by built-in spring. (Compared with conventional product.)



Elastic Force

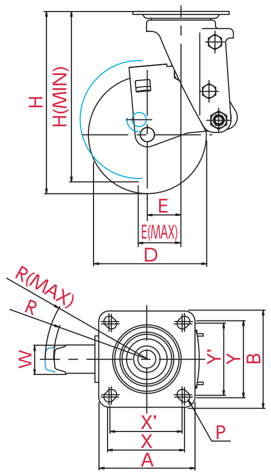
・You can choose proper load from 10daN, 20daN, 30daN.



SHSKY Type Swivel Plate Type ϕ125

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SHSKY-S125NRB-30



Mounting Method — Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: SHSKY-S (Bracket Type) | 125 (Wheel Diameter) | NRB (Wheel Type) | - | 30 (Bracket Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	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])
125	SHSKY-S125NRB-30	Rubber(Including B)	30(30.6)	30	193(~177)	102×102	80×80(75×75)	11	35.5(~44.5)	98(~107)

*It is the date value in parenthesis when load in maximum.

Wheel Type

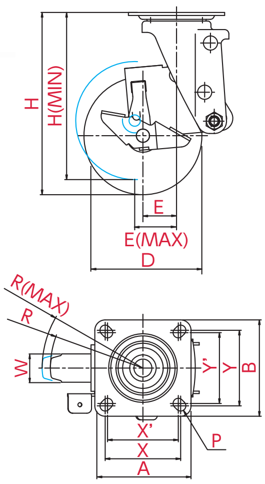
NRB
Wheel: Nylon
Tread: Rubber
(Including B)

SHSKY-S Type ϕ125

Swivel | Plate Type

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SHSKY-S125NRBDS-30



Mounting Method | Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	SHSKY-S	125	NRB	DS	-	30
	Bracket Type	Wheel Diameter	Wheel Type	Stopper		Bracket Type

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	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])
125	SHSKY-S125NRBDS-30	Rubber(Including B)	30(30.6)	30	193(~177)	102×102	80×80(75×75)	11	35.5(~44.5)	98(~107)

∗It is the date value in parenthesis when load in maximum.

Wheel Type

NRB
Wheel: Nylon
Tread: Rubber
(Including B)

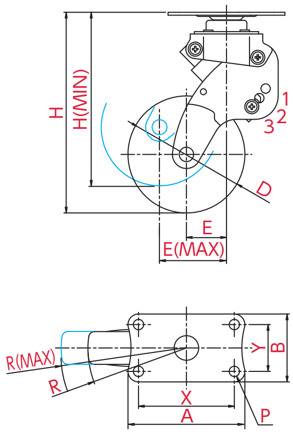
SKY-S Type

Swivel | Plate Type

ϕ 100 125

BZP(Brilliant Zinc Plating) | Stainless
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

SKY-S125SUE-1



The picture is a typical product image.

Order Example

SKY-S	125	SUE	-	1
Bracket Type	Wheel Diameter	Wheel Type		Proper Load

Mounting Method — Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Fixed


SKY-R Type P.178


SKY-R-S Type P.179

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	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])
100	SKY-S100SUE-1	Antistatic PU(Including B)	10(10.2)	28	171〔~148〕	100×58	82×40	8.8	34〔~57〕	84〔~107〕
	SKY-S100SUE-2		20(20.4)		171〔~154〕				34〔~53〕	84〔~103〕
	SKY-S100SUE-3		30(30.6)		171〔~158〕				34〔~50〕	84〔~100〕
125	SKY-S125SUE-1	Antistatic PU(Including B)	10(10.2)	32	193〔~167〕	100×58	82×40	8.8	41〔~66〕	104〔~129〕
	SKY-S125SUE-2		20(20.4)		193〔~173〕				41〔~61〕	104〔~124〕
	SKY-S125SUE-3		30(30.6)		193〔~177〕				41〔~58〕	104〔~121〕

∗It is the date value in parenthesis when load in maximum.

Wheel Type

SUE
Wheel：Nylon
Tread：Antistatic PU (Including B)

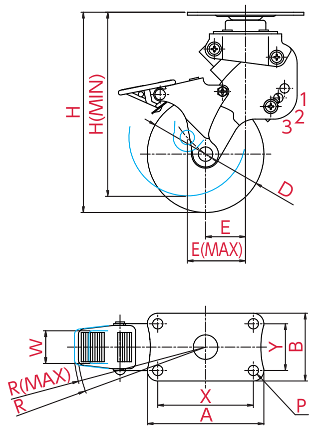
SKY-S-S Type

Swivel | Plate Type

ϕ 100 125

BZP(Brilliant Zinc Plating) | Stainless
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

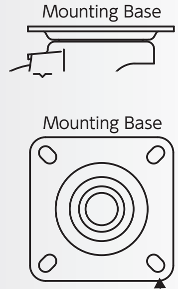
SKY-S125SUES-1



The picture is a typical product image.

Order Example	SKY-S	125	SUE	S	-	1
	Bracket Type	Wheel Diameter	Wheel Type	Stopper		Proper Load

Mounting Method — Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Fixed


SKY-R Type
P.178


SKY-R-S Type
P.179

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	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])
100	**SKY-S100SUES-1**	Antistatic PU(Including B)	10(10.2)	28	171(~148)	100×58	82×40	8.8	34(~57)	110(~112)
	SKY-S100SUES-2		20(20.4)		171(~154)				34(~53)	110(~113)
	SKY-S100SUES-3		30(30.6)		171(~158)				34(~50)	
125	**SKY-S125SUES-1**	Antistatic PU(Including B)	10(10.2)	32	193(~167)	100×58	82×40	8.8	41(~66)	116(~129)
	SKY-S125SUES-2		20(20.4)		193(~173)				41(~61)	116(~124)
	SKY-S125SUES-3		30(30.6)		193(~177)				41(~58)	116(~121)

*It is the date value in parenthesis when load in maximum.

Wheel Type

SUE
Wheel：Nylon
Tread：Antistatic PU (Including B)

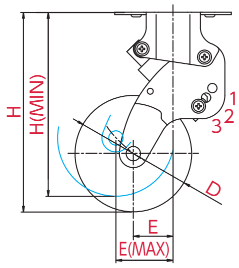
SKY-R Type

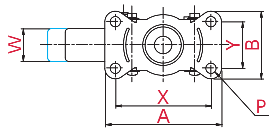
Fixed | **Plate Type**

ϕ 100 125

BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Double Bearing
Single Stopper	Double Stopper

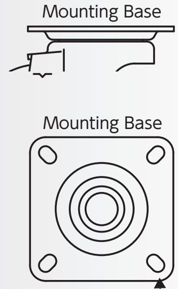
SKY-R125SUE-1





The picture is a typical product image.

Mounting Method: Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example

SKY-R	125	SUE	-	1
Bracket Type	Wheel Diameter	Wheel Type		Proper Load

▼ Use together with Swivel

SKY-S Type P.176

SKY-S-S Type P.177

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	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])
100	**SKY-R100SUE-1**	Antistatic PU(Including B)	10(10.2)	28	171〔~148〕	100×58	82×40	8.8	34〔~57〕
	SKY-R100SUE-2		20(20.4)		171〔~154〕				34〔~52〕
	SKY-R100SUE-3		30(30.6)		171〔~158〕				34〔~49〕
125	**SKY-R125SUE-1**	Antistatic PU(Including B)	10(10.2)	32	193〔~167〕	100×58	82×40	8.8	41〔~66〕
	SKY-R125SUE-2		20(20.4)		193〔~173〕				41〔~61〕
	SKY-R125SUE-3		30(30.6)		193〔~177〕				41〔~58〕

*It is the date value in parenthesis when load in maximum.

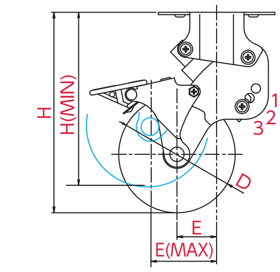
Wheel Type

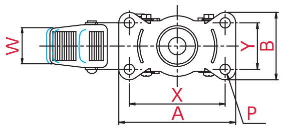
SUE
Wheel: Nylon
Tread: Antistatic PU (Including B)

SKY-R-S Type Fixed Plate Type ϕ 100 125

BZP (Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SKY-R125SUES-1





The picture is a typical product image.

Mounting Method — Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example

SKY-R	125	SUE	S	-	1
Bracket Type	Wheel Diameter	Wheel Type	Stopper		Proper Load

Use together with Swivel


SKY-S Type P.176


SKY-S-S Type P.177

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	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])
100	SKY-R100SUES-1	Antistatic PU(Including B)	10(10.2)	28	171〔~148〕	100×58	82×40	8.8	34〔~57〕
	SKY-R100SUES-2		20(20.4)		171〔~154〕				34〔~52〕
	SKY-R100SUES-3		30(30.6)		171〔~158〕				34〔~49〕
125	SKY-R125SUES-1	Antistatic PU(Including B)	10(10.2)	32	193〔~167〕	100×58	82×40	8.8	41〔~66〕
	SKY-R125SUES-2		20(20.4)		193〔~173〕				41〔~61〕
	SKY-R125SUES-3		30(30.6)		193〔~177〕				41〔~58〕

∗It is the date value in parenthesis when load in maximum.

Wheel Type

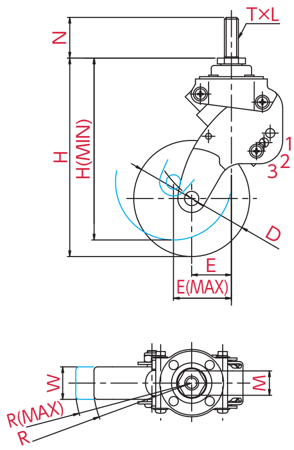
SUE
Wheel：Nylon
Tread：Antistatic PU (Including B)

SKY-T Type ϕ100 125

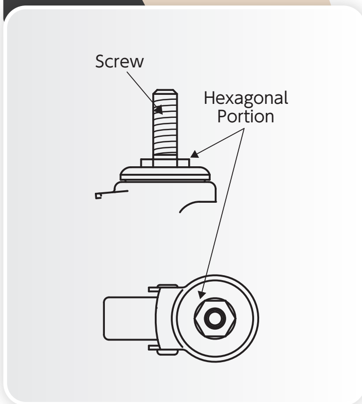
Swivel | Screw-In Type

BZP (Brilliant Zinc Plating)	Stainless
Single Bearing	Radial Bearing
Single Stopper	Double Stopper

SKY-T125SUE-1,M16×40



Mounting Method: Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	SKY-T	125	SUE	-	1	,	M16	×	40
	Bracket Type	Wheel Diameter	Wheel Type		Proper Load		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
100	SKY-T100SUE-1	Antistatic PU(Including B)	10(10.2)	28	171(~148)	M12×35 M16×40	1.75 2	21 23	34(~59)	84(~107)
	SKY-T100SUE-2		20(20.4)		171(~154)				34(~53)	84(~103)
	SKY-T100SUE-3		30(30.6)		171(~157)				34(~50)	
125	SKY-T125SUE-1	Antistatic PU(Including B)	10(10.2)	32	192(~166)	M12×35 M16×40	1.75 2	21 23	41(~66)	104(~129)
	SKY-T125SUE-2		20(20.4)		192(~173)				41(~61)	104(~124)
	SKY-T125SUE-3		30(30.6)		192(~177)				41(~58)	104(~121)

*It is the date value in parenthesis when load in maximum.

Wheel Type

SUE
Wheel: Nylon
Tread: Antistatic PU (Including B)

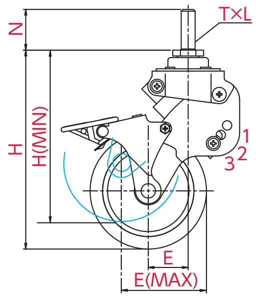
G-type L-type E-type M-type S-type J-type PM-type H-type AF-type NP-type SKY-type SILENT-type OTHER

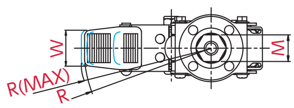
SKY-T-S Type

Swivel | Screw-In Type | φ 100 125

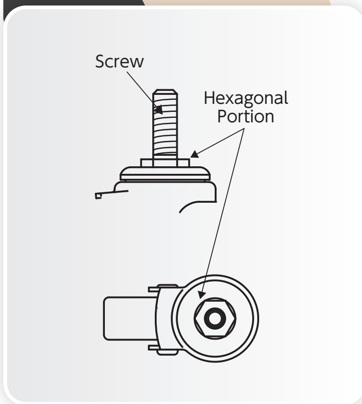
BZP(Brilliant Zinc Plating)	Stainless
Single Bearing	Radial Bearing
Single Stopper	Double Stopper

SKY-T125SUES-1,M16×40





Mounting Method | Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	SKY-T	125	SUE	S	-	1	,	M16	×	40
	Bracket Type	Wheel Diameter	Wheel Type	Stopper		Proper Load		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
100	SKY-T100SUES-1	Antistatic PU(Including B)	10(10.2)	28	171(~148)	M12×35 M16×40	1.75 2	21 23	34(~59)	110(~112)
	SKY-T100SUES-2		20(20.4)		171(~154)				34(~53)	110(~113)
	SKY-T100SUES-3		30(30.6)		171(~157)				34(~50)	
125	SKY-T125SUES-1	Antistatic PU(Including B)	10(10.2)	32	192(~166)	M12×35 M16×40	1.75 2	21 23	41(~66)	116(~129)
	SKY-T125SUES-2		20(20.4)		192(~173)				41(~61)	116(~124)
	SKY-T125SUES-3		30(30.6)		192(~177)				41(~58)	116(~121)

∗It is the date value in parenthesis when load in maximum.

Wheel Type

SUE
Wheel : Nylon
Tread : Antistatic PU (Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

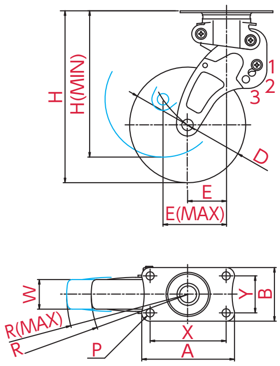
NPG Type

Swivel | **Plate Type**

ϕ 100 125

BZP(Brilliant Zinc Plating) | **Stainless**
Single Bearing | **Double Bearing**
Single Stopper | Double Stopper

NPG-125SUE-1



The picture is a typical product image.

Mounting Method — **Plate Type**

Usage

- Flat Trolley
- **Hand Trolley**
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- **Others**

Order Example	NPG	-	125	SUE	-	1
	Bracket Type		Wheel Diameter	Wheel Type		Proper Load

Use together with **Fixed**

NPR Type P.184

NPR-S Type P.185

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	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])
100	NPG-100SUE-1	Antistatic PU(Including B)	10(10.2)	28	165(~140)	100×58	82×40	8.8	35(~59)	85(~110)
	NPG-100SUE-2		20(20.4)		165(~147)				35(~54)	85(~105)
	NPG-100SUE-3		30(30.6)		165(~150)				35(~51)	85(~102)
125	NPG-125SUE-1	Antistatic PU(Including B)	10(10.2)	32	186(~159)	100×58	82×40	8.8	42(~68)	105(~131)
	NPG-125SUE-2		20(20.4)		186(~166)				42(~63)	105(~126)
	NPG-125SUE-3		30(30.6)		186(~170)				42(~59)	105(~123)

*It is the date value in parenthesis when load in maximum.

Wheel Type

SUE
Wheel:Nylon
Tread:Antistatic PU (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

NPG-S Type

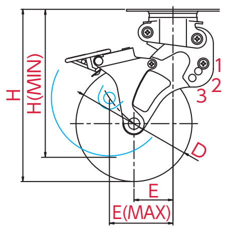
Swivel | Plate Type

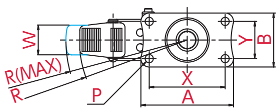
ϕ 100 125

BZP(Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper

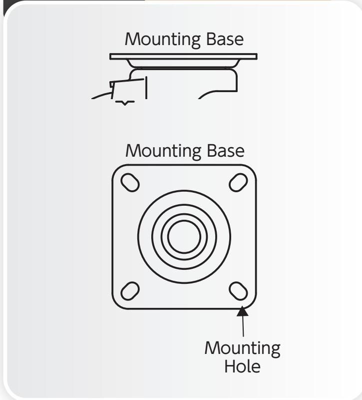
NPG-100SUES-1

The picture is a typical product image.





Mounting Method | Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Order Example	NPG	-	100	SUE	S	-	1
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Proper Load

Use together with Fixed

NPR Type
P.184

NPR-S Type
P.185

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	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])
100	NPG-100SUES-1	Antistatic PU(Including B)	10(10.2)	28	165(~140)	100×58	82×40	8.8	35(~59)	111(~115)
	NPG-100SUES-2		20(20.4)		165(~147)				35(~54)	
	NPG-100SUES-3		30(30.6)		165(~150)				35(~51)	
125	NPG-125SUES-1	Antistatic PU(Including B)	10(10.2)	32	186(~159)	100×58	82×40	8.8	42(~68)	117(~131)
	NPG-125SUES-2		20(20.4)		186(~166)				42(~63)	117(~126)
	NPG-125SUES-3		30(30.6)		186(~170)				42(~59)	117(~123)

*It is the date value in parenthesis when load in maximum.

Wheel Type

SUE
Wheel : Nylon
Tread : Antistatic PU (Including B)

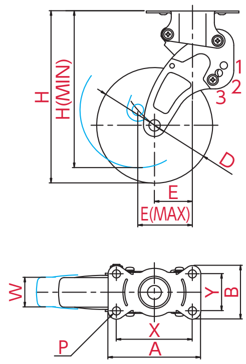
NPR Type

Fixed **Plate Type**

ϕ 100 125

BZP(Brilliant Zinc Plating) | **Stainless**
Single Bearing | Double Bearing
Single Stopper | Double Stopper

NPR-125SUE-3



The picture is a typical product image.

Mounting Method **Plate Type**

Usage

- Flat Trolley
- **Hand Trolley**
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- **Others**

Order Example	NPR	-	125	SUE	-	3
	Bracket Type		Wheel Diameter	Wheel Type		Proper Load

▼ Use together with **Swivel**

NPG Type P.182

NPG-S Type P.183

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	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])
100	NPR-100SUE-1	Antistatic PU(Including B)	10(10.2)	28	165[~140]	100×58	82×40	8.8	34[~58]
	NPR-100SUE-2		20(20.4)		165[~147]				34[~53]
	NPR-100SUE-3		30(30.6)		165[~150]				34[~50]
125	NPR-125SUE-1	Antistatic PU(Including B)	10(10.2)	32	186[~159]	100×58	82×40	8.8	41[~67]
	NPR-125SUE-2		20(20.4)		186[~166]				41[~62]
	NPR-125SUE-3		30(30.6)		186[~170]				41[~58]

*It is the date value in parenthesis when load in maximum.

Wheel Type

SUE
Wheel:Nylon
Tread:Antistatic PU (Including B)

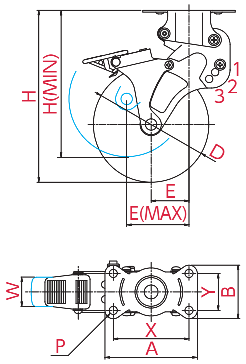
G-type L-type E-type M-type S-type J-type PM-type H-type AF-type NP-type SKY-type SILENT-type OTHER

NPR-S Type ϕ 100 125

Fixed | Plate Type

BZP(Brilliant Zinc Plating) | Stainless | Single Bearing | Double Bearing | Single Stopper | Double Stopper

NPR-100SUES-1



Mounting Method | Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Use together with Swivel


NPG Type P.182


NPG-S Type P.183

Order Example	NPR	-	100	SUE	S	-	1
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Proper Load

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	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])
100	**NPR-100SUES-1**	Antistatic PU(Including B)	10(10.2)	28	165[~140]	100×58	82×40	8.8	34[~58]
	NPR-100SUES-2		20(20.4)		165[~147]				34[~53]
	NPR-100SUES-3		30(30.6)		165[~150]				34[~50]
125	**NPR-125SUES-1**	Antistatic PU(Including B)	10(10.2)	32	186[~159]	100×58	82×40	8.8	41[~67]
	NPR-125SUES-2		20(20.4)		186[~166]				41[~62]
	NPR-125SUES-3		30(30.6)		186[~170]				41[~58]

*It is the date value in parenthesis when load in maximum.

Wheel Type

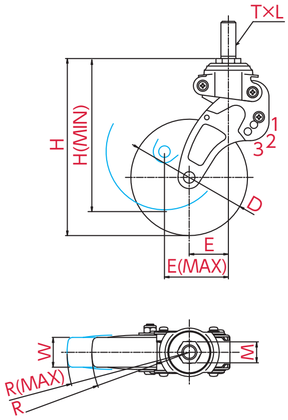
SUE
Wheel: Nylon
Tread: Antistatic PU (Including B)

NPT Type

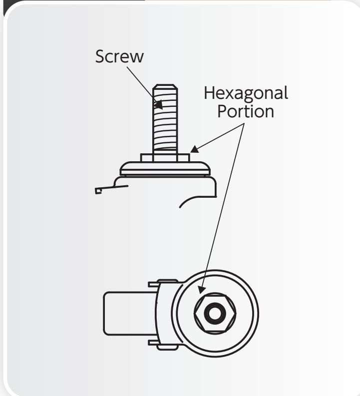
Swivel | Screw-In Type | ϕ 100 125

BZP(Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper

NPT-100SUE-1,M12×35



Mounting Method | Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: NPT (Bracket Type) - 100 (Wheel Diameter) SUE (Wheel Type) - 1 (Proper Load) , M12 (Screw Diameter) × 35 (Screw Length)

Please set "Screw Diameter × Length" after product name

Special Wrench ▸P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
100	NPT-100SUE-1	Antistatic PU(Including B)	10(10.2)	28	169(~144)	M12×35 M16×40	1.75 2	21 23	35(~59)	85(~110)
	NPT-100SUE-2		20(20.4)		169(~151)				35(~54)	85(~105)
	NPT-100SUE-3		30(30.6)		169(~154)				35(~51)	85(~102)
125	NPT-125SUE-1	Antistatic PU(Including B)	10(10.2)	32	190(~163)	M12×35 M16×40	1.75 2	21 23	42(~68)	105(~131)
	NPT-125SUE-2		20(20.4)		190(~170)				42(~63)	105(~126)
	NPT-125SUE-3		30(30.6)		190(~174)				42(~59)	105(~123)

∗It is the date value in parenthesis when load in maximum.

Wheel Type

SUE
Wheel:Nylon
Tread:Antistatic PU (Including B)

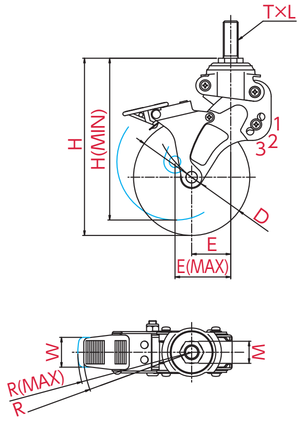
G-type | L-type | E-type | M-type | S-type | J-type | PM-type | H-type | AF-type | NP-type | SKY-type | SILENT-type | OTHER

NPT-S Type

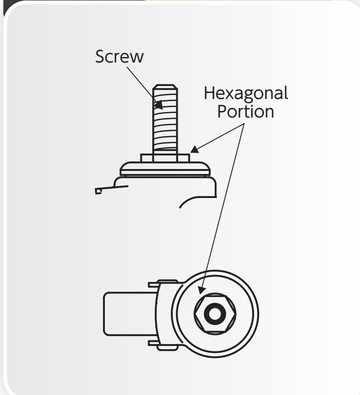
Swivel | Screw-In Type | ϕ 100 125

BZP(Brilliant Zinc Plating) | Stainless
Single Bearing | Double Bearing
Single Stopper | Double Stopper

NPT-125SUES-2,M12×35



Mounting Method | Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: NPT (Bracket Type) - 125 (Wheel Diameter) SUE (Wheel Type) S (Stopper) - 2 (Proper Load) , M12 (Screw Diameter) × 35 (Screw Length)

Please set "Screw Diameter × Length" after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Proper Load [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
100	NPT-100SUES-1	Antistatic PU(Including B)	10(10.2)	28	169(~144)	M12×35 M16×40	1.75 2	21 23	35(~59)	111(~110)
	NPT-100SUES-2		20(20.4)		169(~151)				35(~54)	111(~105)
	NPT-100SUES-3		30(30.6)		169(~154)				35(~51)	111(~102)
125	NPT-125SUES-1	Antistatic PU(Including B)	10(10.2)	32	190(~163)	M12×35 M16×40	1.75 2	21 23	42(~68)	117(~131)
	NPT-125SUES-2		20(20.4)		190(~170)				42(~63)	117(~126)
	NPT-125SUES-3		30(30.6)		190(~174)				42(~59)	117(~123)

*It is the date value in parenthesis when load in maximum.

Wheel Type

SUE
Wheel:Nylon
Tread:Antistatic PU (Including B)

SILENTSTAR

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

SILENTSTAR

Silence

High grade model - improved silent ability
by built-in bearing.
It's suitable for using in office, hospital, library.

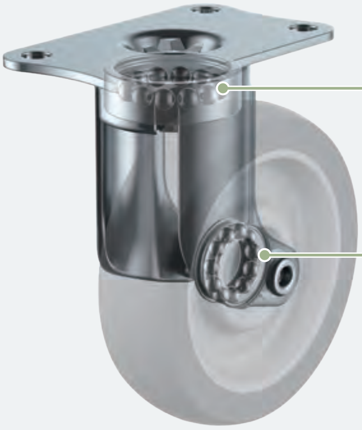
POINT High silence and starting performance by radial bearing

Noise Reduction 10db

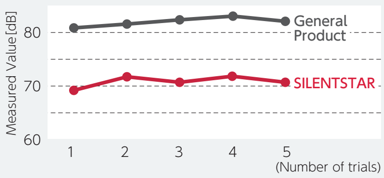
Compared with conventional product.

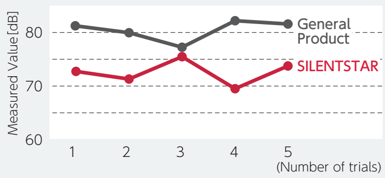
Used Radial Bearing

For turning parts and wheel, radial bearing is introduced. SILENTSTAR is improved silence and turn starting performance. 10db lower noise than conventional product.

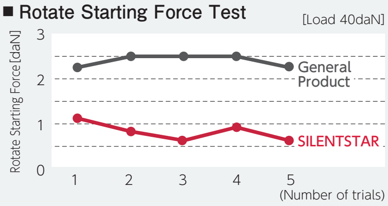


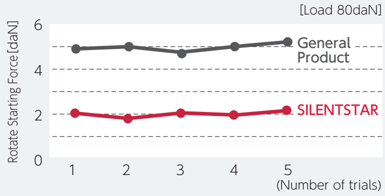
■ Noise Test





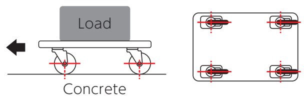
■ Rotate Starting Force Test





Rotate Starting Force Test

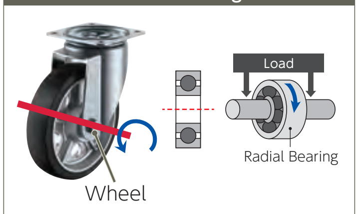
Compared rotate starting force by push scale when caster starts moving.



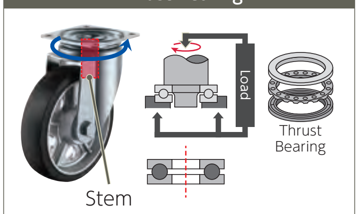
Column Bearing Line Up

Radial bearing receives vertical load. Slast bearing receives horizontal load. Radial works for wheel rotation, and slast works for turning performance.

Radial Bearing



Thrust Bearing



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)
HEAVYSTAR PMS 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

SUE

Slast Bearing

Used for turning parts. Excellent rotation and durability bearing.

Example | SILENTSTAR
PLJ
Turning Parts

PLJ

Needle Bearing

Used for wheel. Power is received by line parts.
Light and durability bearing.

Example | SHORTSTAR
UHG/CAL-UHG
Wheel

MC PB

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

W-G W NWR

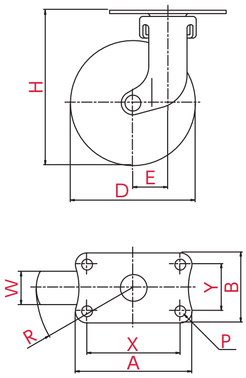
EF Type

Swivel Plate Type

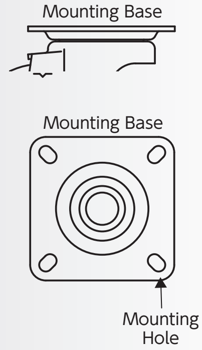
ϕ 65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

EF-75ELSB



Mounting Method: Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: EF (Bracket Type) - 75 (Wheel Diameter) ELSB (Wheel Type)

Use together with Fixed

ER Type P.192

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
65	EF-65ELSB	Elastomer(Including B)	30(30.6)	20	83	70×42	56×28	6.5	21	54
75	EF-75ELSB	Elastomer(Including B)	35(35.7)	20	93	70×42	56×28	6.5	21	59

Wheel Type

ELSB
Wheel: PP
Tread: Elastomer (Including B)

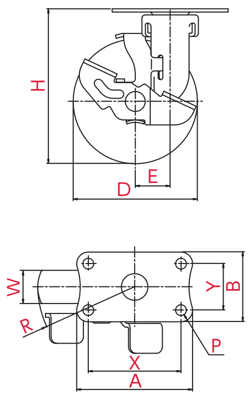
G-type L-type E-type M-type S-type J-type PM-type H-type AF-type NP-type SKY-type SILENT-type OTHER

EF-S Type ϕ75

Swivel | Plate Type

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

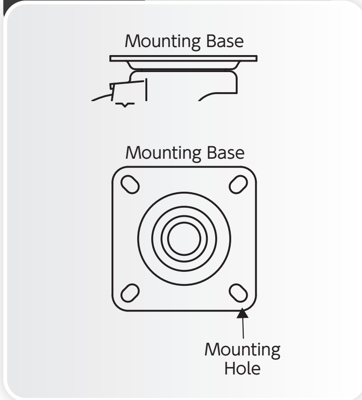
EF-75ELSBDS



The picture is a typical product image.

Order Example	EF	-	75	ELSB	DS
	Bracket Type		Wheel Diameter	Wheel Type	Stopper

Mounting Method: Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with: Fixed

ER Type
P.192

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
75	EF-75ELSBDS	Elastomer(Including B)	35(35.7)	20	93	70×42	56×28	6.5	21	61

Wheel Type

ELSB
Wheel: PP
Tread: Elastomer (Including B)

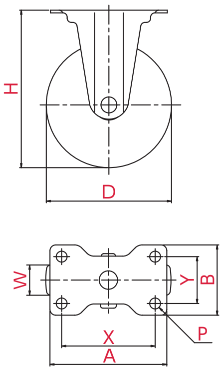
ER Type

Fixed | Plate Type

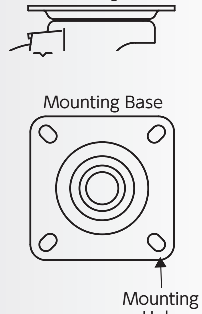
ϕ 65 75

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

ER-75ELSB(H93)



Mounting Method | Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: ER - 75 ELSB (H93)
(ER: Bracket Type; 75: Wheel Diameter; ELSB: Wheel Type; (H93): Bracket Type)

Use together with Swivel

EF Type P.190
EF-S Type P.191

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
65	**ER-65ELSB(H83)**	Elastomer(Including B)	30(30.6)	20	83	70×42	56×28	6.5
75	**ER-75ELSB(H93)**	Elastomer(Including B)	35(35.7)	20	93	70×42	56×28	6.5

Wheel Type

ELSB
Wheel: PP
Tread: Elastomer (Including B)

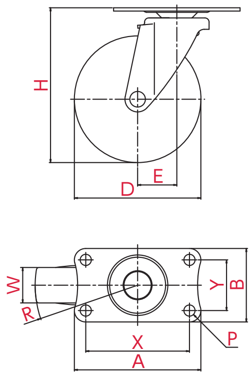
SFHG Type

Swivel | Plate Type

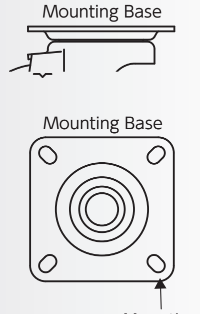
ϕ75 100

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

SFHG-100NRB



Mounting Method | Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with | Fixed

SR Type P.195

The picture is a typical product image.

Order Example: SFHG - 100 NRB
(SFHG: Bracket Type; 100: Wheel Diameter; NRB: Wheel Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
75	**SFHG-75NRB**	Rubber(Including B)	60(61.2)	27	98	70×58	55×42	8.8	29	67
100	**SFHG-100SEL**	Elastomer(Including B)	50(51.0)	28	122	100×58	82×40	8.8	31	81
	SFHG-100NRB	Rubber(Including B)	60(61.2)	27						

Wheel Type

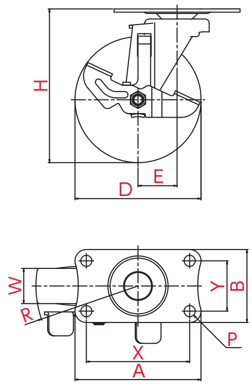
SEL
Wheel:PP
Tread:Elastomer (Including B)

NRB
Wheel:Nylon
Tread:Rubber (Including B)

SFHG-S Swivel Type Plate Type ϕ75 100

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

SFHG-100NRBDS



Mounting Method: Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Fixed

SR Type
P.195

The picture is a typical product image.

Order Example: SFHG (Bracket Type) - 100 (Wheel Diameter) NRB (Wheel Type) DS (Stopper)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
75	SFHG-75NRBDS	Rubber(Including B)	60(61.2)	27	98	70×58	55×42	8.8	29	71
100	SFHG-100SELDS	Elastomer(Including B)	50(51.0)	28	122	100×58	82×40	8.8	31	81
	SFHG-100NRBDS	Rubber(Including B)	60(61.2)	27						

Wheel Type

SEL
Wheel:PP
Tread:Elastomer (Including B)

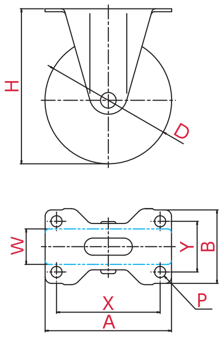
NRB
Wheel:Nylon
Tread:Rubber (Including B)

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

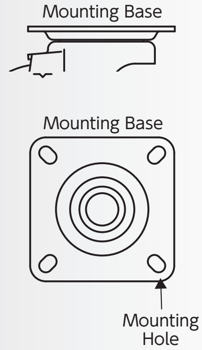
SR Type Fixed Plate Type ϕ75 100

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SR-85-75NRB



Mounting Method: Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with Swivel

The picture is a typical product image.

Order Example	SR	-	100	NRB
	Bracket Type		Wheel Diameter	Wheel Type

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
75	**SR-85-75NRB***	Rubber(Including B)	60(61.2)	27	98	70×60	55×42	8.8
100	**SR-100SEL**	Elastomer(Including B)	50(51.0)	28	122	100×58	82×40	8.8
	SR-100NRB	Rubber(Including B)	60(61.2)	27				

*Product No. of Wheel Diameter 75mm type is ｢85-75｣.

Wheel Type

SEL
Wheel:PP
Tread:Elastomer
(Including B)

NRB
Wheel:Nylon
Tread:Rubber
(Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

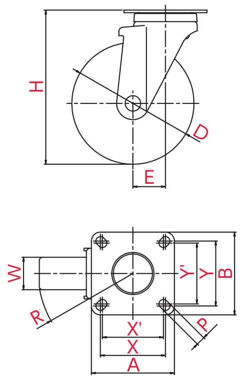
SJF Type

Swivel | Plate Type

ϕ 100

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

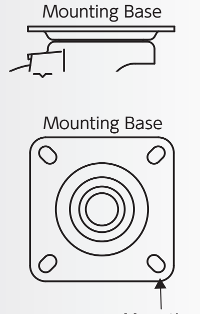
SJF-100NR



The picture is a typical product image.

Order Example: SJF - 100 NR (Bracket Type / Wheel Diameter / Wheel Type)

Mounting Method: Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Fixed

SK Type P.198

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
100	SJF-100NR	Rubber(Including B)	100(102.0)	32	132	90×90	71×71(68×68)	11	32	82
	SJF-100NR-G	Grey Rubber(Including B)								

Wheel Type

NR
Wheel: Nylon
Tread: Rubber (Including B)

NR -G
Wheel: Nylon
Tread: Grey Rubber (Including B)

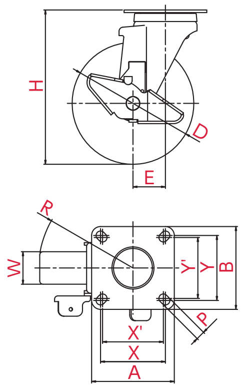
G-type L-type E-type M-type S-type J-type PM-type H-type AF-type NP-type SKY-type SILENT-type OTHER

SJF-S Type φ100

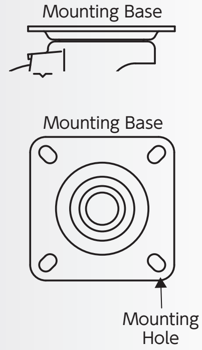
Swivel | **Plate Type**

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

SJF-100NRS



Mounting Method: Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with **Fixed**

SK Type
P.198

The picture is a typical product image.

Order Example

SJF	-	100	NR	S
Bracket Type		Wheel Diameter	Wheel Type	Stopper

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
100	SJF-100NRS	Rubber(Including B)	100(102.0)	32	132	90×90	71×71(68×68)	11	32	86
	SJF-100NRS-G	Grey Rubber(Including B)								

Wheel Type

NR
Wheel: Nylon
Tread: Rubber (Including B)

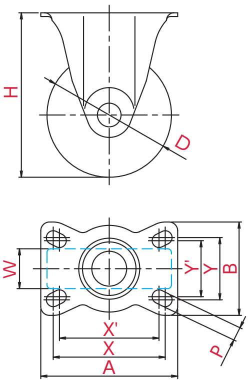
NR -G
Wheel: Nylon
Tread: Grey Rubber (Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

SK Type Fixed Plate Type ϕ 100

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

SK-100NRF



Mounting Method | Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Swivel

SJF Type P.196

SJF-S Type P.197

The picture is a typical product image.

Order Example: SK (Bracket Type) - 100 (Wheel Diameter) NRF (Wheel Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
100	SK-100NRF	Rubber(Including B)	100(102.0)	32	132	110×80	90×50(80×45)	11
	SK-100NRF-G	Grey Rubber(Including B)						

Wheel Type

NR
Wheel: Nylon
Tread: Rubber (Including B)

NR -G
Wheel: Nylon
Tread: Grey 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

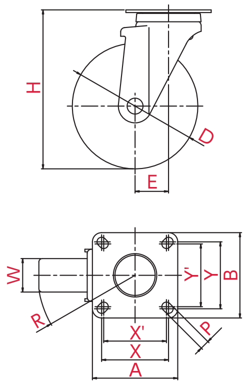
J2F Type

Swivel | Plate Type

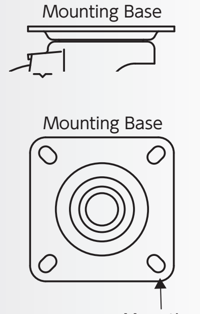
ϕ 130 150

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

NRJ2F-150



Mounting Method | Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Fixed

K2 Type
P.201

The picture is a typical product image.

Order Example: NR (Wheel Type) J2F (Bracket Type) - 150 (Wheel Diameter)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
130	NRJ2F-130	Rubber(Including B)	160(163.2)	40	170	102×102	80×80(75×75)	11	40	105
150	NRJ2F-150	Rubber(Including B)	180(183.6)	40	190	102×102	80×80(75×75)	11	40	115
	NRJ2F-150-G	Grey Rubber(Including B)								

Wheel Type

NR
Wheel:Nylon
Tread:Rubber (Including B)

NR -G
Wheel:Nylon
Tread:Grey Rubber (Including B)

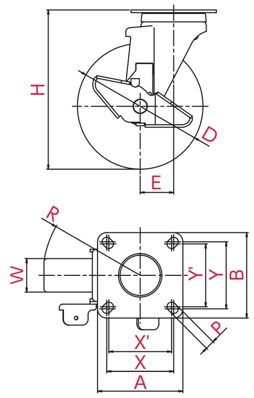
Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESSTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

J2F-S Type ϕ 130 150

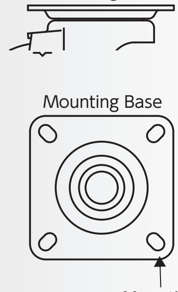
Swivel | Plate Type

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

NRJ2F-150S



Mounting Method | Plate Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	NR	J2F	-	150	S
	Wheel Type	Bracket Type		Wheel Diameter	Stopper

▼ Use together with **Fixed**

K2 Type
P.201

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
130	NRJ2F-130S	Rubber(Including B)	160(163.2)	40	170	102×102	80×80(75×75)	11	40	108
150	NRJ2F-150S	Rubber(Including B)	180(183.6)	40	190	102×102	80×80(75×75)	11	40	115
	NRJ2F-150S-G	Grey Rubber(Including B)								

Wheel Type

NR
Wheel:Nylon
Tread:Rubber (Including B)

NR -G
Wheel:Nylon
Tread:Grey Rubber (Including B)

K2 Type

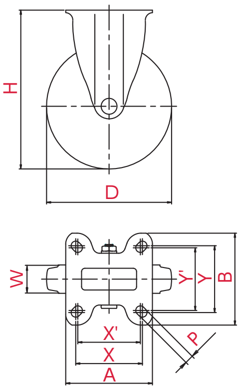
Fixed | Plate Type

ϕ 130 150

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

NRFK2/D-130

NRFK2-150



NRFK2-150

Mounting Method | Plate Type

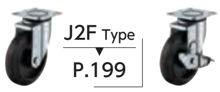
Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: NR (Wheel Type) FK2 (Bracket Type) - 150 (Wheel Diameter)

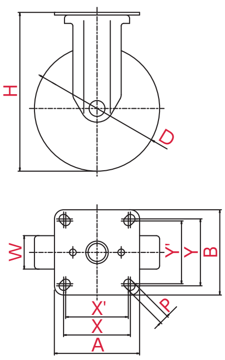
Use together with Swivel



J2F Type P.199

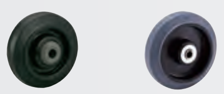
J2F-S Type P.200

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
130	**NRFK2/D-130**	Rubber(Including B)	160(163.2)	40	170	102×102	80×80(75×75)	11
150	**NRFK2-150**	Rubber(Including B)	180(183.6)	40	190	104×110	80×80(75×75)	11
	NRFK2-150-G	Grey Rubber(Including B)						



NRFK2/D-130

Wheel Type



NR
Wheel: Nylon
Tread: Rubber (Including B)

NR -G
Wheel: Nylon
Tread: Grey Rubber (Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

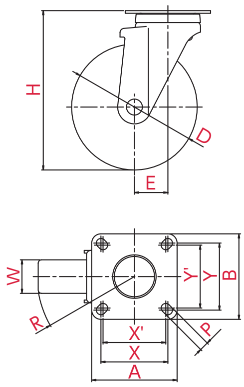
JF Type

Swivel | Plate Type

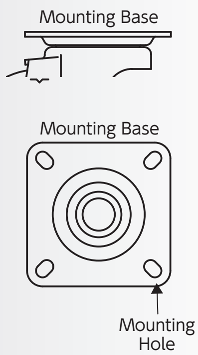
ϕ 200

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

WFJF-200



Mounting Method | Plate Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with | Fixed

K Type
P.203

The picture is a typical product image.

Order Example: WF (Wheel Type) JF (Bracket Type) - 200 (Wheel Diameter)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
200	WFJF-200	Rubber(Including B)	200(204.0)	43	250	140×140	115×115(105×105)	11.5	56	156
	WFJF-200-G	Grey Rubber(Including B)								

Wheel Type

WF
Wheel:Steel
Tread:Rubber (Including B)

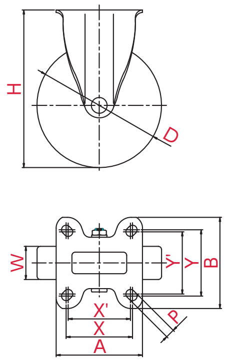
WF -G
Wheel:Steel
Tread:Grey Rubber (Including B)

K Type ϕ 200

Fixed | Plate Type

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

WFK-200



Mounting Method | Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with Swivel

JF Type
P.202

The picture is a typical product image.

Order Example: WF (Wheel Type) K (Bracket Type) - 200 (Wheel Diameter)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
200	WFK-200	Rubber(Including B)	200(204.0)	43	250	151×102	112×63	11.5
	WFK-200-G	Grey Rubber(Including B)						

Wheel Type

WF
Wheel:Steel
Tread:Rubber
(Including B)

WF -G
Wheel:Steel
Tread:Grey Rubber
(Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESSTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

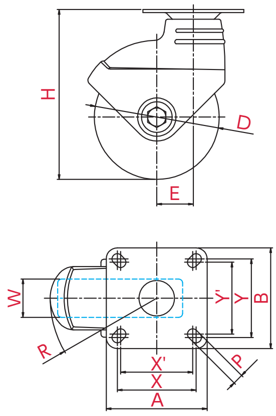
PLJ Type

Swivel | Plate Type

ϕ 100 130

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

PLJ-100NR



Mounting Method | Plate Type

Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Use together with **Fixed**

PLK Type
P.205

The picture is a typical product image.

Order Example: **PLJ** - **100** **NR**
(Bracket Type) (Wheel Diameter) (Wheel Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN (kgf)]	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])
100	PLJ-100NR	Rubber(Including B)	80(81.6)	32	144	95×95	74×74(67×67)	9	35	96
	PLJ-100GU	PU(Including B)								
130	PLJ-130NR	Rubber(Including B)	120(122.4)	40	177	105×105	82×82(75×75)	11	38	111
	PLJ-130GU	PU(Including B)								

Wheel Type

NR
Wheel: Nylon
Tread: Rubber
(Including B)

GU
Wheel: Nylon
Tread: PU
(Including B)

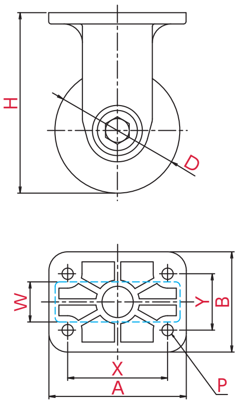
PLK Type

Fixed | **Plate Type**

ϕ 100 130

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

PLK-100NR



Mounting Method | Plate Type

Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

▼ Use together with **Swivel**

PLJ Type
P.204

The picture is a typical product image.

Order Example: **PLK** - **100** **NR**
(PLK: Bracket Type; 100: Wheel Diameter; NR: Wheel Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Base (A×B[mm])	Mounting Dimensions (X×Y(X'×Y')[mm])	Hole Diameter (P[mm])
100	PLK-100NR	Rubber(Including B)	80(81.6)	32	144	110×80	80×45	9
	PLK-100GU	PU(Including B)						
130	PLK-130NR	Rubber(Including B)	120(122.4)	40	177	130×90	100×56	11
	PLK-130GU	PU(Including B)						

Wheel Type

NR
Wheel : Nylon
Tread : Rubber (Including B)

GU
Wheel : Nylon
Tread : PU (Including B)

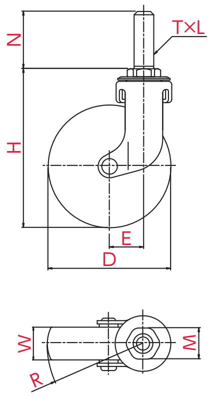
EFT Type

Swivel　Screw-In Type

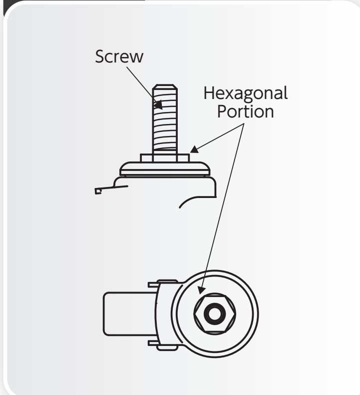
ϕ 65 75

BZP(Brilliant Zinc Plating) Stainless
Single Bearing Radial Bearing
Single Stopper Double Stopper

EFT-75ELSB,M12×35



Mounting Method　Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	EFT	-	75	ELSB	,	M12	x	35
	Bracket Type		Wheel Diameter	Wheel Type		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
65	**EFT-65ELSB**	Elastomer(Including B)	30(30.6)	20	87	M12×35	1.75	19	21	54
75	**EFT-75ELSB**	Elastomer(Including B)	35(35.7)	20	97	M12×35	1.75	19	21	59

Wheel Type

ELSB
Wheel:PP
Tread:Elastomer (Including B)

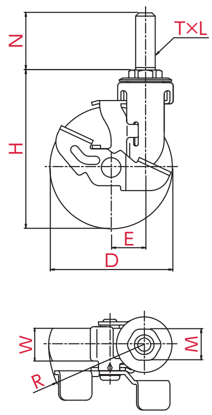
EFT-S Type ϕ75

Swivel

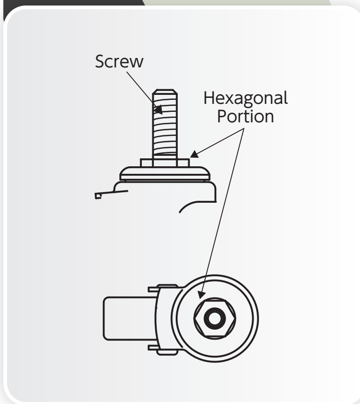
Screw-In Type

BZP (Brilliant Zinc Plating) | Stainless
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

EFT-75ELSBDS,M12×35



Mounting Method — Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	EFT	-	75	ELSB	DS	,	M12	×	35
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
75	EFT-75ELSBDS	Elastomer(Including B)	35(35.7)	20	97	M12×35	1.75	19	21	61

Wheel Type

ELSB
Wheel: PP
Tread: Elastomer (Including B)

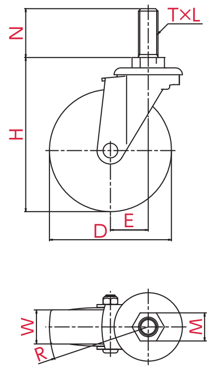
Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

SFHT Type ϕ75 100

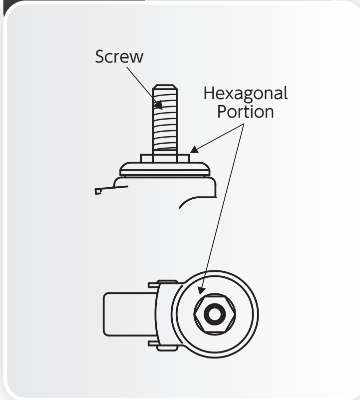
Swivel | Screw-In Type

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

SFHT-100NRB,M16×40



Mounting Method: Screw-In Type



Usage

- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: SFHT - 100 NRB , M16 x 40

SFHT: Bracket Type; 100: Wheel Diameter; NRB: Wheel Type; M16: Screw Diameter; 40: Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
75	**SFHT-75NRB**	Rubber(Including B)	60(61.2)	27	102	M16×40	2	23	29	67
100	**SFHT-100SEL**	Elastomer(Including B)	50(51.0)	28	126	M16×40	2	23	31	81
	SFHT-100NRB	Rubber(Including B)	60(61.2)	27						

Wheel Type

SEL
Wheel: PP
Tread: Elastomer (Including B)

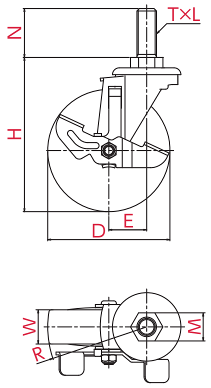
NRB
Wheel: Nylon
Tread: Rubber (Including B)

SFHT-S Type ϕ75 100

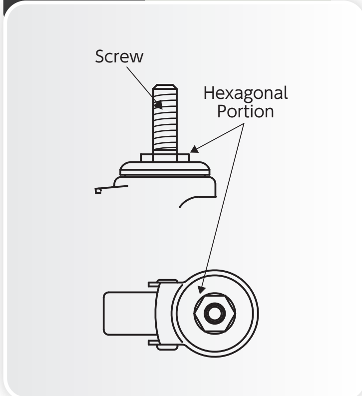
Swivel | Screw-In Type

BZP(Brilliant Zinc Plating) | CP(Chromium Plating)
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

SFHT-100NRBDS,M16×40



Mounting Method: Screw-In Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	SFHT	-	100	NRB	DS	,	M16	x	40
	Bracket Type		Wheel Diameter	Wheel Type	Stopper		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
75	**SFHT-75NRBDS**	Rubber(Including B)	60(61.2)	27	102	M16×40	2	23	29	71
100	**SFHT-100SELDS**	Elastomer(Including B)	50(51.0)	28	126	M16×40	2	23	31	81
	SFHT-100NRBDS	Rubber(Including B)	60(61.2)	27						

Wheel Type

SEL
Wheel: PP
Tread: Elastomer (Including B)

NRB
Wheel: Nylon
Tread: Rubber (Including B)

Light Duty LIGHTSTAR
Medium Duty MIDDLESTAR
Heavy Duty HEAVYSTAR
Low-Profile Heavy Duty SHORTSTAR
Leveling LOCKSTAR
Stainless Steel STAINLESSTAR
Towing LEADSTAR
Shock Absorbing SMOOSTAR
Silence SILENTSTAR
Office Equipment OFFICESTAR

OFFICESTAR

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

OFFICESTAR

Office Equipment

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

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
- ・Printor 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 mounting

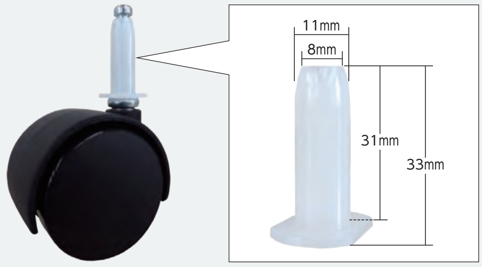
①Plate Type

②Screw-In Type

③Insertion Type

＊Please refer P009 how to mount.

・Specialized socket for insertion type (Sold Separately)

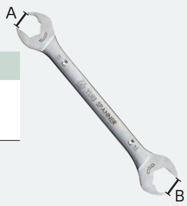


The wrench for casters

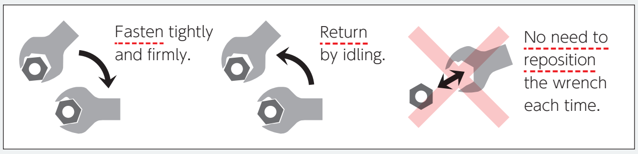
Recommen-dation

YUEI SPANNER

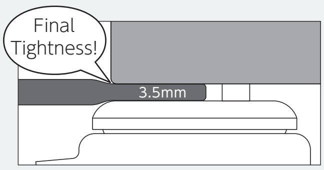
Product No.	(A[mm])	(B[mm])	Material	Steel Thickness [mm]
YUEI SPANNER	19	21	Chrome Vanadium Steel	3.5 (Grip Part 6.5mm)



Pick Up 1 **By the ratchet function,** work efficiency is greatly UP!



Pick Up 2 Fasten tightly to the end with a **thinness of 3.5 mm**



Pick Up 3 Using high hardness **chrome vanadium steel**

Double open-end flat wrench

Product No.	(A[mm])	(B[mm])	Material	Steel 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	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	

P Type

Swivel | Plate Type

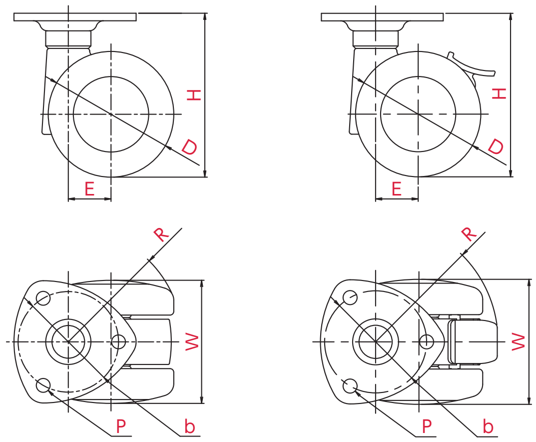
ϕ 50 60

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

P-60G

P-60GS

[With a stopper]



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	P	-	60	G
	Bracket Type		Wheel Diameter	Bracket Type

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Dimensions b(ϕ)	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	P-50G	Nylon	60(61.2)	49	65	40	5.5	17	46
	P-50HG		100(102.0)						
60	P-60G	Nylon	100(102.0)	55	79	40	5.5	17	55

With a stopper

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Mounting Dimensions b(ϕ)	Hole Diameter (P[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	P-50GS	Nylon	60(61.2)	49	65	40	5.5	17	48
	P-50HGS		100(102.0)						
60	P-60GS	Nylon	100(102.0)	55	79	40	5.5	17	67

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

P Type

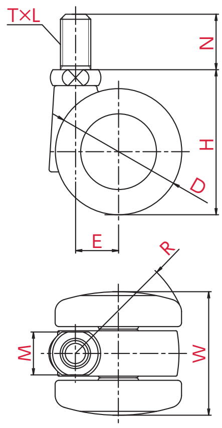
Swivel | Screw-In Type

ϕ 50 60

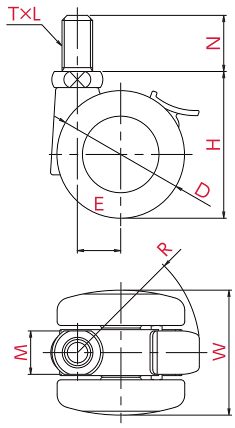
BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

P-60T,M12×22

P-60TS,M12×22



[With a stopper]



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example	P	-	60	T	,	M12	×	22
	Bracket Type		Wheel Diameter	Bracket Type		Screw Diameter		Screw Length

Please set "Screw Diameter × Length" after product name

Special Wrench ▸ P.218

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	P-50T	Nylon	60(61.2)	49	57.5	M12×22	1.75	17	17	46
	P-50HT		100(102.0)							
60	P-60T	Nylon	100(102.0)	55	73	M12×22	1.75	17	17	55

With a stopper

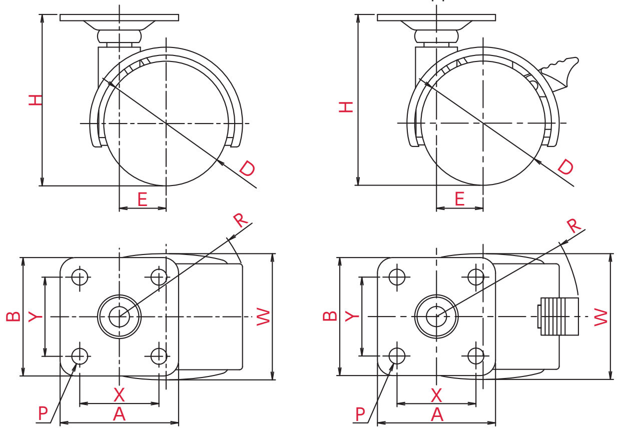
Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
50	P-50TS	Nylon	60(61.2)	49	57.5	M12×22	1.75	17	17	48
	P-50HTS		100(102.0)							
60	P-60TS	Nylon	100(102.0)	55	73	M12×22	1.75	17	17	67

PT Type

Swivel | Plate Type

ϕ 40 50

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: PT (Bracket Type) - 40 (Wheel Diameter) G (Bracket Type)

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
40	PT-40G	Nylon	20(20.4)	40.5	55	38×38	25.4×25.4	5.1	15	43
50	PT-50G	Nylon	30(30.6)	45	65	38×38	25.4×25.4	5.1	18	51

With a stopper

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	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])
40	PT-40GS	Nylon	20(20.4)	40.5	55	38×38	25.4×25.4	5.1	15	47
50	PT-50GS	Nylon	30(30.6)	45	65	38×38	25.4×25.4	5.1	18	57

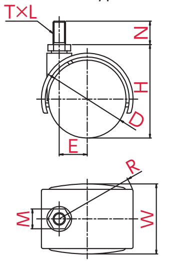
PT Type ϕ40 50

Swivel | Screw-In Type | Insertion Type

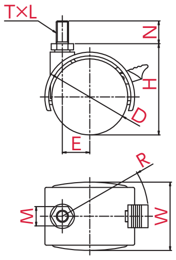
BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

PT-50T,M8×15

[Screw-In Type]

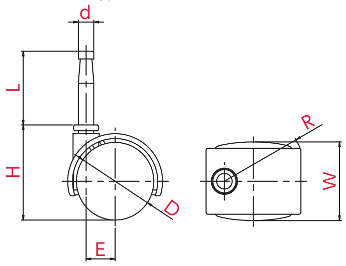


[Screw-In Type with a stopper]

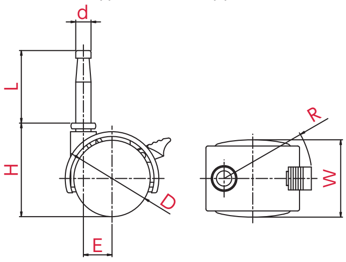


PT-40NS

[Insertion Type]



[Insertion Type with a stopper]



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

The picture is a typical product image.

Order Example: PT (Bracket Type) - 50 (Wheel Diameter) T (Bracket Type) , M8 (Screw Diameter) × 15 (Screw Length)

Please set "Screw Diameter × Length" after product name

Screw-In Type
Special Wrench
▸P.218

Screw-In Type

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
40	**PT-40T**	Nylon	20(20.4)	40.5	50	M8×15	1.25	12.7	15	43
					52	M12×14	1.25	19		
					50	W3/8×15	16TPI	12.7		
50	**PT-50T**	Nylon	30(30.6)	45	60	M8×15	1.25	12.7	18	51
					62	M12×14	1.25	19		
					60	W3/8×15	16TPI	12.7		

Screw-In Type with a stopper

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
40	**PT-40TS**	Nylon	20(20.4)	40.5	50	M8×15	1.25	12.7	15	47
					52	M12×14	1.25	19		
					50	W3/8×15	16TPI	12.7		
50	**PT-50TS**	Nylon	30(30.6)	45	60	M8×15	1.25	12.7	18	57
					62	M12×14	1.25	19		
					60	W3/8×15	16TPI	12.7		

Insertion Type

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Pipe Diameter (d[mm])	Axis Length (L[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
40	**PT-40N**	Nylon	20(20.4)	40.5	49	8	38	15	43
50	**PT-50N**	Nylon	30(30.6)	45	60	8	38	18	51

Insertion Type with a stopper

Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mma])	Pipe Diameter (d[mm])	Axis Length (L[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
40	**PT-40NS**	Nylon	20(20.4)	40.5	49	8	38	15	47
50	**PT-50NS**	Nylon	30(30.6)	45	60	8	38	18	57

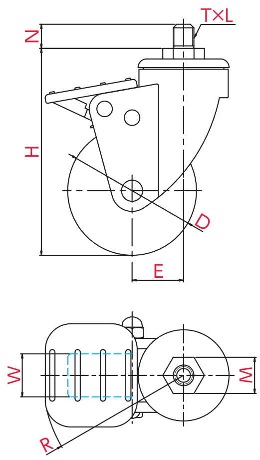
OTHERS

Plastic Caster ϕ 75

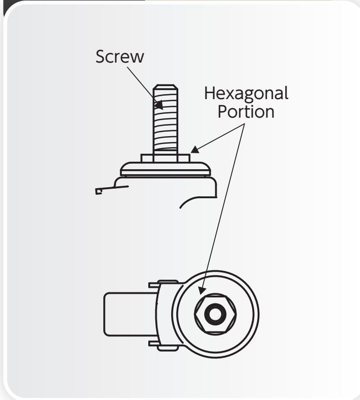
Swivel | Screw-In Type

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Radial Bearing
Single Stopper | Double Stopper

Plastic Casterϕ75,M12×14



Mounting Method — Screw-In Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

Special Wrench ▸P.218

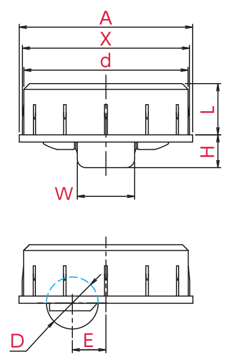
Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	Screw Diameter×Screw Length (T×N[mm])	Screw Pitch (L)	Opposite Side (M[mm])	Eccentricity (E[mm])	Turning Radius (R[mm])
75	**Plastic Casterϕ75**	PU	60(61.2)	25	120	M12×14	1.75	21	30	83

Parallel Caster ϕ 18

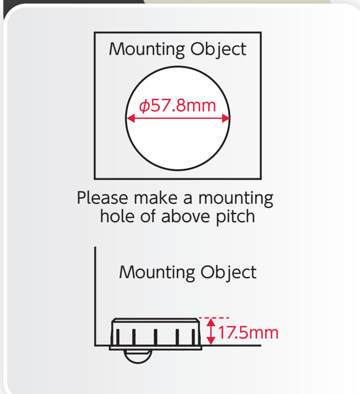
Swivel | Put In Type

BZP (Brilliant Zinc Plating) | CP (Chromium Plating)
Single Bearing | Double Bearing
Single Stopper | Double Stopper

Parallel Caster



Mounting Method — Put In Type



Usage
- Flat Trolley
- Hand Trolley
- Server Rack
- Roll Box Pallet
- Towing Trolley
- Office Chair
- Machinery and equipment
- Copying Machine
- Furniture
- Display Rack
- Refrigeration and cold storage showcase
- Others

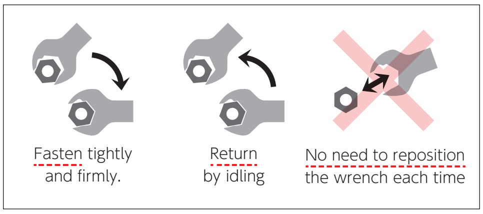
Wheel Diameter (D[mm])	Product No.	Wheel Material	Load Capacity [daN(kgf)]	Wheel Width (W[mm])	Mounting Height (H[mm])	L(mm)	d(mm)	A(mm)	X(mm)	Eccentricity (E[mm])
18	**Parallel Caster**	Nylon	30(30.6)	20	11.5	17.5	57.3	61	58.3	11.7

OTHERS » OTHER-type

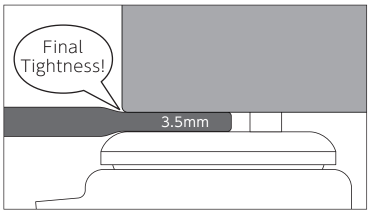
YUEI Spanner

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 thinness of 3.5 mm



• Using high hardness chrome vanadium steel

OTHERS » OTHER-type

The wrench 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)

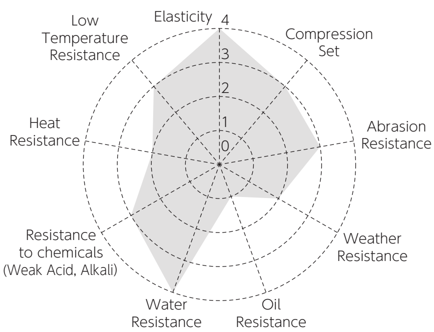
Chart of general characteristics of materials used for wheels.

◎:Excellent ○:Good △:Acceptable ×:Not Acceptable

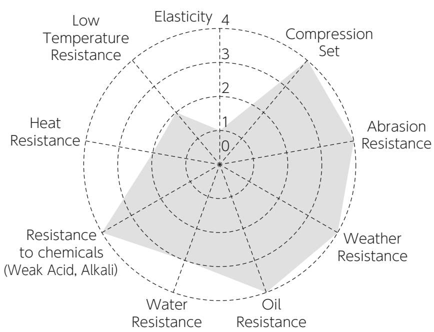
	Rubber	Nylon	PU	Elastomer	Phenol	Heat Resistant Phenol	Monomer Cast Nylon	Polycarbonate
Elasticity	◎	×	○	○	×	×	×	×
Compression Set	○	◎	○	△	◎	◎	◎	◎
Abrasion Resistance	○	◎	◎	△	○	○	◎	◎
Weather Resistance	△	◎	○	◎	◎	◎	◎	◎
Oil Resistance (Machine Oil)	×	◎	◎	×	◎	◎	◎	◎
Resistance to gasoline	×	◎	◎	×	◎	◎	◎	◎
Water Resistance	◎	○	△	◎	○	○	○	○
Resistance to chemicals (Weak Acid, Alkali)	○	◎	×	◎	△	△	◎	(◎、×)
Heat Resistance (℃)	70	70	70	70	120	180	120	120
Low Temperature Resistance(℃)	-30	-20	-30	-30	-40	-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 PU are described.

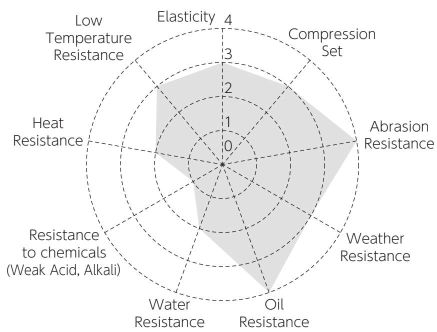
Rubber Wheels



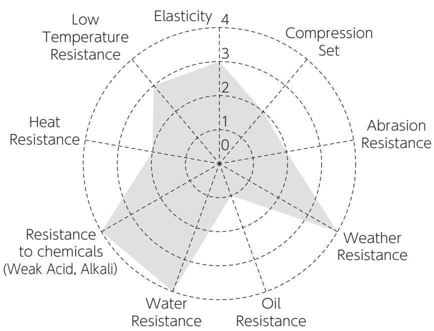
Nylon Wheel



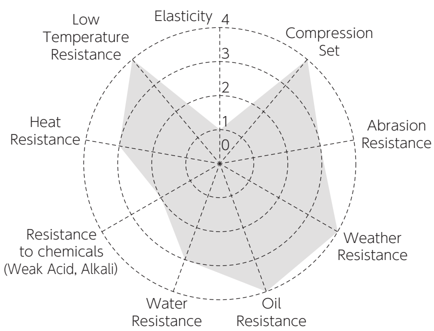
PU Wheels



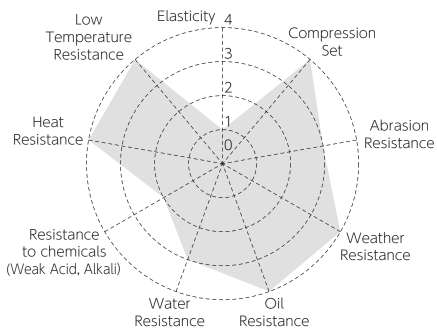
Elastomer Wheels



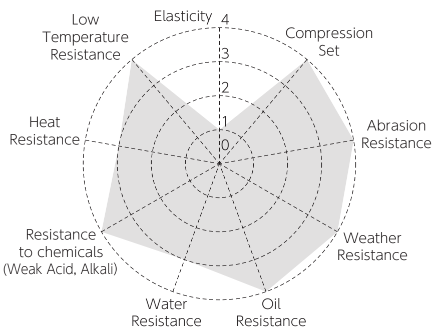
Phenol Wheels



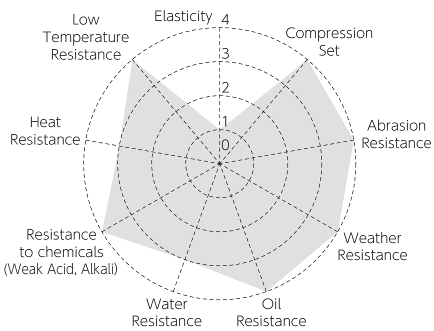
Heat Resistant Phenol Wheels



Monomer Cast Nylon Wheels

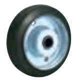
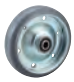


Polycarbonate Wheels



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 PU 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	φ50	Rubber integrated type. It is a conductive wheel that can remove static electricity.
RHE			φ65～100	
W-G		Grey Rubber (Steel Plate Wheel Assembly, 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 Wheel Assembly, 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 Wheel Assembly, 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 Wheel Assembly, 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 Wheel Assembly)	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 Wheel Assembly)	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 Wheel Assembly, 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 Wheel Assembly, 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 Wheel Assembly, 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 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 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 Wheel Assembly, 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 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 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, 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.
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.

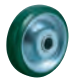
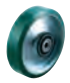
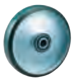
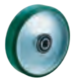
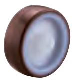
＊(Including B) Indicates wheels equipped with bearing.

Wheel material and characteristics

PU Wheels

Common Characteristics

These wheels provide high load capacity 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 Wheel Assembly, 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 commercial bearing.
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 deep ball bearings 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.
APU		PU (Aluminum Wheel Assembly, Including B)	Φ100~200	
AUU		PU (Aluminum Wheel Assembly, Including B)	Φ150~200	The aluminum die-cast wheel is excelled in durability. Introduced high durability PU, it's suitable for carrying heavy duty. The shape of wheel is considered as low friction resistance and operability is increased compared with normal PU wheel.

＊(Including B) Indicates wheels equipped with bearing.

Nylon Wheels

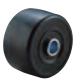
Common Characteristics

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		Monomer Cast 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.
		Monomer Cast Nylon (Including B)	ϕ50～100	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.
MCB		Monomer Cast 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 Monomer Cast 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 Monomer Cast 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.

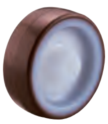
Other Wheels

Wheel Symbol	Wheel	Wheel Name	Wheel Diameter	Features
EL		Elastomer	ϕ25～100	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.
PH		Heat Resistant 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 ℃.
PC-C		Clear Polycarbonate	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		Red Polycarbonate	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		Green Polycarbonate	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.

*(Including B) Indicates wheels equipped with bearing.

G-type

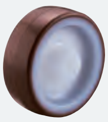
G Type / G-S Type / GR Type / GRE Type

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
L-25EL		Elastomer	25	8(8.2)	14	12	4.7
L-32EL			32	12(12.2)	16	14	5.2
L-38EL			38	20(20.4)	20	17	6.2
L-50EL			50	25(25.5)	24	20	
S-65EL			65	40(40.8)	30	27	8.2
S-75EL			75	50(51.0)			
L-25R		Rubber	25	8(8.2)	14	12	4.7
L-32R			32	12(12.2)	16	14	5.2
L-38R			38	20(20.4)	20	17	6.2
L-40R			40	40(40.8)			
L-50R			50	30(30.6)	24	20	
S-65RH			65	40(40.8)	30	25	8.2
S-75RH			75	50(51.0)			
L-25N		Nylon	25	10(10.2)	14	12	4.7
L-32N			32	18(18.4)	16	14	5.2
L-38N			38	28(28.6)	20	16	6.2
L-40N			40	40(40.8)	19	18	
L-50N			50	38(38.8)	24	21	
S-65N			65	55(56.1)	30	25	8.2
S-75N			75	65(66.3)			
L-25BN		Black Nylon	25	10(10.2)	14	12	4.7
L-32BN			32	18(18.4)	16	14	5.2
L-38BN			38	28(28.6)	20	16	6.2
L-50BN			50	38(38.8)	24	21	
S-65BN			65	55(56.1)	30	25	8.2
S-75BN			75	65(66.3)			
L-25UR		PU (Nylon Wheel Assembly)	25	10(10.2)	14	12	4.7
L-32UR			32	18(18.4)	16	14	5.2
L-38UR			38	28(28.6)	20	16	6.2
L-50UR			50	38(38.8)	24	21	
S-65UR			65	55(56.1)	30	25	8.2
S-75UR			75	65(66.3)		26	
L-25PC-C		Clear Polycarbonate	25	10(10.2)	14	12	4.7
L-38PC-C			38	28(28.6)	20	16	6.2
L-50PC-C			50	38(38.8)	24.5	21.5	
L-25PC-R		Red Polycarbonate	25	10(10.2)	14	12	4.7
L-38PC-R			38	28(28.6)	20	16	6.2
L-50PC-R			50	38(38.8)	24.5	21.5	
L-25PC-G		Green Polycarbonate	25	10(10.2)	14	12	4.7
L-38PC-G			38	28(28.6)	20	16	6.2
L-50PC-G			50	38(38.8)	24.5	21.5	

*The load capacity depends on the braket type. *(Including B) Indicates wheels equipped with bearing.

Wheel

L-type LG Type / LG-S Type / LR Type / LT Type / LT-S Type / LTF Type / LTF-S Type

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
L-50EL	 Elastomer	50	25(25.5)	24	20	6.2
L-65EL		65	30(30.6)		21	
L-75EL		75				
L-40R	 Rubber	40	25(25.5)	20	17	6.2
L-50R		50	30(30.6)	24	20	
L-65RH		65			21	
L-75RH		75	40(40.8)			
L-50RE	 Conductive Rubber	50	30(30.6)	24	20	6.2
L-65RHE		65			21	
L-75RHE		75	40(40.8)			
L-40N	 Nylon	40	30(30.6)	19	18	6.2
L-50N		50	40(40.8)	24	21	
L-65N		65				
L-75N		75	50(51.0)			
L-40BN	 Black Nylon	40	30(30.6)	19	18	6.2
L-50BN		50	40(40.8)	24	21	
L-65BN		65				
L-75BN		75	50(51.0)			
L-50UR	 PU (Nylon Wheel Assembly)	50	38(38.8)	24	21	6.2
L-65UR		65	40(40.8)			
L-75UR		75	45(45.9)			

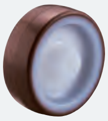
Wheel

E-type E Type / E-S Type / ER Type / ET Type / ET-S Type / ETF Type / ETF-S Type

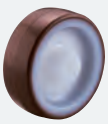
Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
L-50EL	 Elastomer	50	25(25.5)	24	20	6.2
L-65EL		65	30(30.6)		21	
L-75EL		75				
S-100EL		100	50(51.0)	30	27	8.2
L-50R	 Rubber	50	30(30.6)	24	20	6.2
L-65RH		65			21	
L-75RH		75	40(40.8)			
S-100RH		100	50(51.0)	30	25	8.2
S-125RH		125				
S-100NR	 Rubber (Nylon Wheel Assembly)	100	60(61.2)	30	27	8.2
S-100NRB	 Rubber (Nylon Wheel Assembly, Including B)	100	70(71.4)	32	27	8
L-50RE	 Conductive Rubber	50	30(30.6)	24	20	6.2
L-65RHE		65			21	
L-75RHE		75	40(40.8)			
S-100RHE		100	50(51.0)	30	25	8.2

＊The load capacity depends on the braket type. ＊(Including B) Indicates wheels equipped with bearing.

E-type ETType / E-SType / ERType / ETType / ET-SType / ETFType / ETF-SType

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
L-50N	 Nylon	50	40(40.8)	24	21	6.2
L-65N		65				
L-75N		75	50(51.0)			
S-100N		100	60(61.2)	30	25	8.2
L-50UR	 PU (Nylon Wheel Assembly)	50	38(38.8)	24	21	6.2
L-65UR		65	40(40.8)			
L-75UR		75	45(45.9)			
S-100UR		100	60(61.2)	30	28	8.2
S-125UR		125		35.5	32	
S-100UHF	 PU (Nylon Wheel Assembly, Including B)	100	60(61.2)	32	28	8

S-type SGType / SG-SType / SRType / SGCType / SGC-SType / STType / ST-SType / ST SpecialType / ST-SW SpecialType / STFType / STF-SType

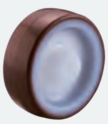
Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
S-50EL	 Elastomer	50	35(35.7)	30	27	8.2
S-65EL		65	40(40.8)			
S-75EL		75	50(51.0)			
S-100EL		100				
S-50RH	 Rubber	50	50(51.0)	30	28	8.2
S-65RH		65				
S-75RH		75	60(61.2)		25	
S-100RH		100	50(51.0)			
S-75NR	 Rubber (Nylon Wheel Assembly)	75	60(61.2)	30	27	8.2
S-100NR		100				
S-75NRB	 Rubber (Nylon Wheel Assembly, Including B)	75	60(61.2)	32	27	8
S-100NRB		100				
S-65RHE	 Conductive Rubber	65	50(51.0)	30	25	8.2
S-75RHE		75	60(61.2)			
S-100RHE		100	50(51.0)			
S-50N	 Nylon	50	60(61.2)	30	28	8.2
S-65N		65	70(71.4)		25	
S-75N		75	80(81.6)			
S-100N		100	60(61.2)			
S-50BN	 Black Nylon	50	60(61.2)	30	28	8.2
S-65BN		65	70(71.4)		25	
S-75BN		75	80(81.6)			
S-100BN		100	60(61.2)			
S-50UR	 PU (Nylon Wheel Assembly)	50	60(61.2)	30	25	8.2
S-65UR		65				
S-75UR		75	70(71.4)		26	
S-100UR		100	60(61.2)		28	
S-75NU(Include pipe)	 PU (Nylon Wheel Assembly)	75	70(71.4)	32	25	8
S-100NU(Include pipe)		100				

*The load capacity depends on the braket type. *(Including B) Indicates wheels equipped with bearing.

S-type SGType / SG-SType / SRType / SGCType / SGC-SType / STType / ST-SType / ST SpecialType / ST-SW SpecialType / STFType / STF-SType

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
S-75UHF	 PU (Nylon Wheel Assembly, Including B)	75	70(71.4)	32	26	8
S-100UHF		100	60(61.2)		28	

S-type SAType / SA-SType

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
S-65EL	 Elastomer	65	40(40.8)	30	27	8.2
S-75EL		75	50(51.0)			
L-50R	 Rubber	50	30(30.6)	24	20	6.2
S-65RH		65	50(51.0)	30	25	8.2
S-75RH		75	60(61.2)			
W-100-P	 Rubber (Steel Plate Wheel Assembly)	100	90(91.8)	42	32	12.2
S-75NR	 Rubber (Nylon Wheel Assembly)	75	60(61.2)	30	27	8.2
NR-100	 Rubber (Nylon Wheel Assembly, Including B)	100	90(91.8)	42	32	12
W-100	 Rubber (Steel Plate Wheel Assembly, Including B)	100	90(91.8)	42	32	12
S-75NRB	 Rubber (Nylon Wheel Assembly, Including B)	75	60(61.2)	32	27	8
L-50N	 Nylon	50	40(40.8)	24	21	6.2
S-65N		65	60(61.2)	30	25	8.2
S-75N		75				
N-100		100	90(91.8)	42	32	12.2
NB-100(With Cover)	 Nylon (Including B)	100	90(91.8)	43	32	12
S-65UR	 PU (Nylon Wheel Assembly)	65	60(61.2)	30	25	8.2
S-75UR		75			26	
UW-100	 PU (Steel Plate Wheel Assembly, Including B)	100	90(91.8)	42	32	12

＊The load capacity depends on the braket type. ＊(Including B) Indicates wheels equipped with bearing.

S-type SAType / SA-SType

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
GU-100		PU (Nylon Wheel Assembly, Including B)	100	90(91.8)	42	32	12
S-75UHF		PU (Nylon Wheel Assembly, Including B)	75	60(61.2)	32	26	8

Wheel

M-type MGType / MRType

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
M-65N		Nylon	65	90(91.8)	35	28	8.2
M-75N			75	100(102.0)	41	35	

Wheel

J-type RJ2Type / RJ2-SType / RJ2KType / KRJ2KType / K2Type

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
W-100-P		Rubber (Steel Plate Wheel Assembly)	100	120(122.4)	42	32	12.2
W-125(B56)-P			125	150(153.0)	56	38	
W-150-P			150	160(163.2)	55	40	
NRP-100(RIM30)		Rubber (Nylon Wheel Assembly)	100	120(122.4)	42	30	12.2
W-100		Rubber (Steel Plate Wheel Assembly, Including B)	100	120(122.4)	42	32	12
W-125(B56)			125	150(153.0)	55	38	
W-150ϕ12			150	160(163.2)		40	
NWR-125		Rubber (Nylon Wheel Assembly, Including B)	125	150(153.0)	55	34	12
NWR-150ϕ12			150	160(163.2)	56		
W-100-P-G		Grey Rubber (Steel Plate Wheel Assembly)	100	120(122.4)	42	32	12.2
W-125-G		Grey Rubber (Steel Plate Wheel Assembly, Including B)	125	150(153.0)	55	38	12
W-150-G			150	160(163.2)		40	
NWR-125-G		Grey Rubber (Nylon Wheel Assembly, Including B)	125	150(153.0)	55	34	12
NWR-150-G			150	160(163.2)	56		

＊The load capacity depends on the braket type. ＊(Including B) Indicates wheels equipped with bearing.

J-type RJ2Type / RJ2-SType / RJ2KType / KRJ2KType / K2Type

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
N-100		Nylon	100	120(122.4)	42	32	12.2
NP-125			125	150(153.0)	53	40	
N-150(φ12),BC		Nylon (Including B)	150	160(163.2)	56	40	12
GU-100		PU (Nylon Wheel Assembly, Including B)	100	100(102.0)	42	32	12
GU-125(B56)			125	150(153.0)	56	40	
GU-150 φ12			150	160(163.2)	55		

Wheel

J-type SJType / SJ-SType / SKType / SK/DType / SJTType / SJT-SType

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
W-100-P		Rubber (Steel Plate Wheel Assembly)	100	120(122.4)	42	32	12.2
W-125-P			125				
NRP-100(RIM30)		Rubber (Nylon Wheel Assembly)	100	120(122.4)	42	30	12
W-100		Rubber (Steel Plate Wheel Assembly, Including B)	100	120(122.4)	42	32	12
W-125			125				
NR-100		Rubber (Nylon Wheel Assembly, Including B)	100	100(102.0)	42	32	12
WE-100		Conductive Rubber (Steel Plate Wheel Assembly, Including B)	100	120(122.4)	42	32	12
WE-125			125				
N-100		Nylon	100	120(122.4)	42	32	12.2
NB-100		Nylon (Including B)	100	120(122.4)	43	32	12
UW-100		PU (Steel Plate Wheel Assembly, Including B)	100	120(122.4)	42	32	12
GU-100		PU (Nylon Wheel Assembly, Including B)	100	100(102.0)	42	32	12
GU-125			125	120(122.4)			

＊The load capacity depends on the braket type. ＊(Including B) Indicates wheels equipped with bearing.

J-type SJType / SJ-SType / SKType / SK/DType / SJTType / SJT-SType

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
BRU-100,BC	 PU (Nylon Wheel Assembly, Including B)	100	100(102.0)	43	32	12
BRU-125,BC		125	120(122.4)			
PH-100	 Heat Resistant Phenol	100	100(102.0)	42	32	12

Wheel

J-type J2Type / J2-SType / J2KType / J2K-SType / K2Type / K2/DType

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
W-130ϕ12	 Rubber (Steel Plate Wheel Assembly, Including B)	130	160(163.2)	55	40	12
W-150ϕ12		150	180(183.6)			
NR-130	 Rubber (Nylon Wheel Assembly, Including B)	130	160(163.2)	55	40	12
NR-150		150	180(183.6)			
N-130ϕ12(With Cover)	 Nylon (Including B)	130	150(153.0)	56	40	12
N-150ϕ12(With Cover)		150	160(163.2)			
MCB-130ϕ12,BC	 Monomer Cast Nylon (Including B)	130	150(153.0)	56	40	12
MCB-150ϕ12,BC		150	160(163.2)			
GU-130ϕ12	 PU (Nylon Wheel Assembly, Including B)	130	160(163.2)	55	40	12
GU-150ϕ12		150	180(183.6)			

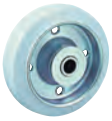
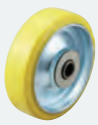
Wheel

J-type JType / J-SType / JB(R)Type / JB(L)Type / KB(R)Type / KB(L)Type / JKType / JK-SType / KType

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
W-75	 Rubber (Steel Plate Wheel Assembly, Including B)	75	80(81.6)	35	32	10
W-100		100	120(122.4)	42		12
W-130		130	180(183.6)	55	40	20
W-150		150	200(204.0)			
W-200		200	250(255.0)		43	
NR-100	 Rubber (Nylon Wheel Assembly, Including B)	100	100(102.0)	42	32	12
NR-130		130	180(183.6)	55	40	
NR-150		150	200(204.0)			

*The load capacity depends on the braket type. *(Including B) Indicates wheels equipped with bearing.

J-type
J Type / J-S Type / JB(R) Type / JB(L) Type / KB(R) Type / KB(L) Type / JK Type / JK-S Type / K Type

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
AW-250	 Rubber (Aluminum Wheel Assembly, Including B)	250	400(408.0)	90	60	20
WE-100	 Conductive Rubber (Steel Plate Wheel Assembly, Including B)	100	120(122.4)	42	32	12
WE-130		130	180(183.6)	55	40	20
WE-150		150	200(204.0)			
WE-200		200	250(255.0)		43	
WO-100	 Oil Resistant Rubber (Steel Plate Wheel Assembly, Including B)	100	120(122.4)	42	32	12
WO-130		130	180(183.6)	55	40	20
WO-150		150	200(204.0)			
WO-200		200	250(255.0)		43	
W-100-G	 Grey Rubber (Steel Plate Wheel Assembly, Including B)	100	120(122.4)	42	32	12
W-130-G		130	180(183.6)	55	40	20
W-150-G		150	200(204.0)			
W-200-G		200	250(255.0)		43	
NR-100-G	 Grey Rubber (Nylon Wheel Assembly, Including B)	100	100(102.0)	42	32	12
NR-150-G		150	200(204.0)	55	40	
MCB-100,BC	 Monomer Cast Nylon (Including B)	100	100(102.0)	43	32	12
MCB-130(ϕ20)		130	180(183.6)	55	40	20
MCB-150(ϕ20)		150	200(204.0)			
MCB-200		200	250(255.0)		43	
UW-75	 PU (Steel Plate Wheel Assembly, Including B)	75	120(122.4)	35	32	10
UW-100		100	180(183.6)	42		12
UW-130		130	250(255.0)	55	35	20
UW-150		150	300(306.0)		38	
UW-200		200	400(408.0)		42	
GU-75	 PU (Nylon Wheel Assembly, Including B)	75	100(102.0)	36	32	10
GU-100		100		42		12
GU-130		130	180(183.6)	55	40	20
GU-150		150	200(204.0)			
GU-200		200	250(255.0)		43	
AU-250	 PU (Aluminum Wheel Assembly, Including B)	250	600(612.0)	90	45	20
UWE-100	 Antistatic PU (Steel Plate Wheel Assembly, Including B)	100	180(183.6)	42	32	12
UWE-130		130	250(255.0)	55	35	20
UWE-150		150	300(306.0)		38	
UWE-200		200	400(408.0)		42	
PH-100	 Heat Resistant Phenol	100	100(102.0)	42	32	12
PH-130		130	180(183.6)	56	40	
PH-150		150	200(204.0)			

∗The load capacity depends on the braket type. ∗(Including B) Indicates wheels equipped with bearing.

Wheel

PM-type

PMS Type / PMS-LB(R) Type / PMS-LB(L) Type / PMR Type / PMR-LB(R) Type / PMR-LB(L) Type / PMS Type(E46) / PMS-LB Type(E46)(R) / PMS-LB Type(E46)(L) / PMS-S Type(E46)

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
PM-100WB	 Rubber (Steel Plate Wheel Assembly, Including B)	100	120(122.4)	43	32	12
PM-130WB		130	180(183.6)	56	40	
PM-150WB		150	200(204.0)			
PM-200WB		200	250(255.0)		43	20
PM-150AW	 Rubber (Aluminum Wheel Assembly, Including B)	150	250(255.0)	56	42	12
PM-200AW		200	300(306.0)		45	20
PM-130WB-G	 Grey Rubber (Steel Plate Wheel Assembly, Including B)	130	180(183.6)	56	40	12
PM-150WB-G		150	200(204.0)			
PM-200WB-G		200	250(255.0)		43	20
PM-100UWB/INJ	 PU (Steel Plate Wheel Assembly, Including B)	100	180(183.6)	43	32	12
PM-130UWB/INJ		130	250(255.0)	56	35	
PM-150UWB/INJ		150	300(306.0)		38	
PM-200UWB/INJ		200	400(408.0)		42	20
PM-100GUB	 PU (Nylon Wheel Assembly, Including B)	100	100(102.0)	43	32	12
PM-130GUB		130	180(183.6)	56	40	
PM-150GUB		150	200(204.0)			
PM-200GUB		200	250(255.0)		43	20
PM-100APU	 PU (Aluminum Wheel Assembly, Including B)	100	180(183.6)	43	32	12
PM-130APU		130	250(255.0)	56	35	
PM-150APU		150	300(306.0)		38	
PM-200APU		200	400(408.0)		45	20
PM-150AUU	 PU (Aluminum Wheel Assembly, Including B)	150	350(357.0)	56	42	12
PM-200AUU		200	400(408.0)		45	20

Wheel

H-type

LHG Type

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
L-40BN(B24)	 Black Nylon	40	70(71.4)	24	21	6.2
L-50BN		50	80(81.6)			

Wheel

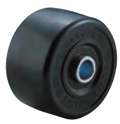
H-type

HGL Type

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
HL-32GNB	 Reinforced Nylon	32	120(122.4)	31	21	8.2

*The load capacity depends on the braket type. *(Including B) Indicates wheels equipped with bearing.

H-type HG-W Type / HG Type / HG-S Type / HR Type / HT Type / HT-S Type

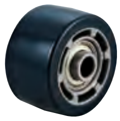
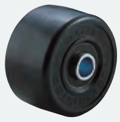
Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
H-38BN	 Black Nylon	38	120(122.4)	24	21	10.2
H-50BN		50	150(153.0)			
S-50GNB	 Reinforced Nylon	50	160(163.2)	30	28	8.2
H-65GNB	 Reinforced Nylon (Including B)	65	300(306.0)	42	38	12
H-75GNB		75	320(326.4)			
S-50MC	 Monomer Cast Nylon	50	160(163.2)	30	25	8.2
H-65MC	 Monomer Cast Nylon (Including B)	65	300(306.0)	42	38	12
H-75MC		75	320(326.4)			
S-50MCE	 Conductive Monomer Cast Nylon	50	160(163.2)	30	25	8.2
H-65MCE	 Conductive Monomer Cast Nylon (Including B)	65	300(306.0)	42	38	12
H-75MCE		75	320(326.4)			
H-65AU	 PU (Aluminum Wheel Assembly, Including B)	65	300(306.0)	42	38	12
H-75AU		75	320(326.4)			
H-65PB	 Phenol (Including B)	65	300(306.0)	42	38	12
H-75PB		75	320(326.4)			

H-type HSG Type / HSG-S Type / HSR Type

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
UH-50GFB	 Reinforced Nylon (Including B)	50	300(306.0)	42	38	12
H-65GNB	 Reinforced Nylon (Including B)	65	300(306.0)	42	38	12
H-75GNB		75				

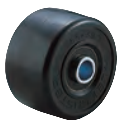
*The load capacity depends on the braket type. *(Including B) Indicates wheels equipped with bearing.

H-type HSG Type / HSG-S Type / HSR Type

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
H-50MC	 Monomer Cast Nylon (Including B)	50	300(306.0)	42	38	12
H-65MC		65				
H-75MC		75				
H-50MCE	 Conductive Monomer Cast Nylon (Including B)	50	300(306.0)	42	38	12
H-65MCE		65				
H-75MCE		75				
H-50AU	 PU (Aluminum Wheel Assembly, Including B)	50	300(306.0)	42	38	12
H-65AU		65				
H-75AU		75				
H-50PB	 Phenol (Including B)	50	300(306.0)	42	38	12
H-65PB		65				
H-75PB		75				

Wheel

H-type UHG Type / UHR Type

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
UH-50GFB	 Reinforced Nylon (Including B)	50	300(306.0)	42	38	10
UH-65GFB		65	400(408.0)	51.5	48	16
UH-75GFB		75	500(510.0)			
UH-50MC	 Monomer Cast Nylon (Including B)	50	400(408.0)	42	38	10
UH-65MC		65	600(612.0)	51.5	48	16
UH-75MC		75	700(714.0)			
UH-80MC	 Monomer Cast Nylon (Including B)	80	800(816.0)	51.5	48	16
UH-100MC		100				
UH-50MCE	 Conductive Monomer Cast Nylon (Including B)	50	400(408.0)	42	38	10
UH-65MCE		65	600(612.0)	51.5	48	16
UH-75MCE		75	700(714.0)			
UH-50PB	 Phenol (Including B)	50	400(408.0)	42	38	10
UH-65PB		65	500(510.0)	51.5	48	16
UH-75PB		75	600(612.0)			

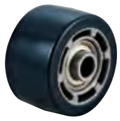
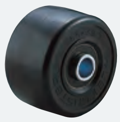
Wheel

H-type CAL-HG Type

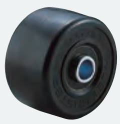
Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
H-65GNB	 Reinforced Nylon (Including B)	65	300(306.0)	42	38	12
H-75GNB		75				

*The load capacity depends on the braket type. *(Including B) Indicates wheels equipped with bearing.

H-type CAL-HG Type

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
H-65MC		Monomer Cast Nylon (Including B)	65	300(306.0)	42	38	12
H-75MC			75				
H-65MCE		Conductive Monomer Cast Nylon (Including B)	65	300(306.0)	42	38	12
H-75MCE			75				
H-65AU		PU (Aluminum Wheel Assembly, Including B)	65	300(306.0)	42	38	12
H-75AU			75				
H-65PB		Phenol (Including B)	65	300(306.0)	42	38	12
H-75PB			75				

H-type CAL-UHG Type

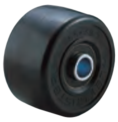
Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
UH-50GFB		Reinforced Nylon (Including B)	50	300(306.0)	42	38	10
UH-65GFB			65	400(408.0)	51.5	48	16
UH-75GFB			75	500(510.0)			
UH-50MC		Monomer Cast Nylon (Including B)	50	400(408.0)	42	38	10
UH-65MC			65	600(612.0)	51.5	48	16
UH-75MC			75	700(714.0)			
UH-50MCE		Conductive Monomer Cast Nylon (Including B)	50	400(408.0)	42	38	10
UH-65MCE			65	600(612.0)	51.5	48	16
UH-75MCE			75	700(714.0)			
UH-50PB		Phenol (Including B)	50	400(408.0)	42	38	10
UH-65PB			65	500(510.0)	51.5	48	16
UH-75PB			75	600(612.0)			

AF-type E-AF Type / SPLG Type / SGW-AF Type / SR-AF Type / AF Type / HG-AF Type

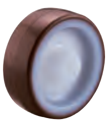
Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
L-40BN(B24)		Black Nylon	40	30(30.6)	24	21	6.2
L-50BN			50	40(40.8)			
S-50BN				60(61.2)	30	28	8.2
S-65BN			65			25	
S-75BN			75				
S-60GN		Grey Nylon	60	130(132.6)	30	25	8.2

＊The load capacity depends on the braket type.　＊(Including B) Indicates wheels equipped with bearing.

AF-type E-AF Type / SPLG Type / SGW-AF Type / SR-AF Type / AF Type / HG-AF Type

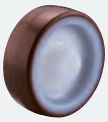
Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
NB-50		Reinforced Nylon (Including B)	50	250(255.0)	56	45	12
NB-65			65				
H-65GNB		Reinforced Nylon (Including B)	65	300(306.0)	42	38	12
H-75GNB			75	320(326.4)			
H-65MC		Monomer Cast Nylon (Including B)	65	300(306.0)	42	38	12
H-75MC			75	320(326.4)			
AF-75MC		Monomer Cast Nylon (Including B)	75	300(306.0)	56	45	12
AF-100MC			100				
H-65MCE		Conductive Monomer Cast Nylon (Including B)	65	300(306.0)	42	38	12
H-75MCE			75	320(326.4)			
H-65AU		PU (Aluminum Wheel Assembly, Including B)	65	300(306.0)	42	38	12
H-75AU			75	320(326.4)			
H-65PB		Phenol (Including B)	65	300(306.0)	42	38	12
H-75PB			75	320(326.4)			

E-type SUS-E Type / SUS-E-S Type / SUS-ER Type / SUS-ET Type / SUS-ET-S Type

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
L-50EL		Elastomer	50	25(25.5)	24	20	6.2
L-65EL			65	30(30.6)		21	
L-75EL			75				
S-100EL			100	50(51.0)	30	27	8.2
L-50R		Rubber	50	30(30.6)	24	20	6.2
L-65RH			65			21	
L-75RH			75	40(40.8)			
S-100RH			100	50(51.0)	30	25	8.2
S-100NR		Rubber (Nylon Wheel Assembly)	100	60(61.2)	30	27	8.2
L-50N		Nylon	50	40(40.8)	24	21	6.2
L-65N			65				
L-75N			75	50(51.0)			
S-100N			100	60(61.2)	30	25	8.2
L-50UR		PU (Nylon Wheel Assembly)	50	38(38.8)	24	21	6.2
L-65UR			65	40(40.8)			
L-75UR			75	45(45.9)			
S-100UR			100	60(61.2)	30	28	8.2

＊The load capacity depends on the braket type. ＊(Including B) Indicates wheels equipped with bearing.

Wheel S-type SUS-SG Type / SUS-SG-S Type / SUS-SR Type / SUS-ST Type / SUS-ST-S Type

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
S-50EL		Elastomer	50	35(35.7)			
S-65EL			65	40(40.8)	30	27	8.2
S-75EL			75	50(51.0)			
S-50RH		Rubber	50	50(51.0)		28	
S-65RH			65		30	25	8.2
S-75RH			75	60(61.2)			
S-75NR		Rubber (Nylon Wheel Assembly)	75	60(61.2)	30	27	8.2
S-65RHE		Conductive Rubber	65	50(51.0)	30	25	8.2
S-75RHE			75	60(61.2)			
S-50N		Nylon	50	60(61.2)		28	
S-65N			65	70(71.4)	30	25	8.2
S-75N			75	80(81.6)			
S-50UR		PU (Nylon Wheel Assembly)	50	60(61.2)		25	
S-65UR			65		30		8.2
S-75UR			75	70(71.4)		26	

Wheel J-type SUS-SJ Type / SUS-SJ-S Type / SUS-SK Type / SUS-SJT Type / SUS-SJT-S Type

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
SUS-NR-100(With Cover)		Rubber (Nylon Wheel Assembly, Including B)	100	100(102.0)	43	32	12
N-100		Nylon	100	100(102.0)	42	32	12.2
SUS-NB-100(With Cover)		Nylon (Including B)	100	100(102.0)	43	32	12
SUS-GU-100(With Cover)		PU (Nylon Wheel Assembly, Including B)	100	100(102.0)	43	32	12
SUS-GU-125(With Cover)			125	120(122.4)			
SUS-BRU-100,BC		PU (Nylon Wheel Assembly, Including B)	100	100(102.0)	43	32	12
SUS-BRU-125,BC			125	120(122.4)			

*The load capacity depends on the braket type. *(Including B) Indicates wheels equipped with bearing.

Wheel J-type SUS-J2 Type / SUS-J2-S Type / SUS-K2 Type

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
SUS-NR-130(With Cover)	 Rubber (Nylon Wheel Assembly, Including B)	130	160(163.2)	56	40	12
SUS-NR-150(With Cover)		150	180(183.6)			
SUS-N-130ϕ12(With Cover)	 Nylon (Including B)	130	150(153.0)	56	40	12
SUS-N-150ϕ12(With Cover)		150	160(163.2)			
SUS-GU-130ϕ12(With Cover)	 PU (Nylon Wheel Assembly, Including B)	130	160(163.2)	56	40	12
SUS-GU-150ϕ12(With Cover)		150	180(183.6)			

Wheel J-type SUS-J Type / SUS-J-S Type / SUS-K Type

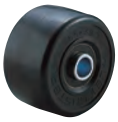
Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
SUS-NR-100(With Cover)	 Rubber (Nylon Wheel Assembly, Including B)	100	100(102.0)	43	32	12
SUS-NR-130(With Cover)		130	180(183.6)	56	40	
SUS-NR-150(With Cover)		150	200(204.0)			
N-100	 Nylon	100	100(102.0)	42	32	12.2
SUS-N-130ϕ12(With Cover)	 Nylon (Including B)	130	160(163.2)	56	40	12
SUS-N-150ϕ12(With Cover)		150	180(183.6)			
SUS-N-200		200	220(224.4)		43	20
SUS-GU-100(With Cover)	 PU (Nylon Wheel Assembly, Including B)	100	100(102.0)	43	32	12
SUS-GU-130ϕ12(With Cover)		130	180(183.6)	56	40	
SUS-GU-150ϕ12(With Cover)		150	200(204.0)			
SUS-GU-200		200	250(255.0)		43	20

Wheel H-type SUS-HG Type / SUS-HG-S Type / SUS-HR Type

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
S-50GNB	 Reinforced Nylon	50	120(122.4)	30	28	8.2
SUS-H-65GNB	 Reinforced Nylon (Including B)	65	230(234.6)	42	38	10
SUS-H-75GNB		75	250(255.0)			

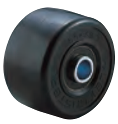
＊The load capacity depends on the braket type. ＊(Including B) Indicates wheels equipped with bearing.

H-type SUS-HG Type / SUS-HG-S Type / SUS-HR Type

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
S-50MC		Monomer Cast Nylon	50	120(122.4)	30	25	8.2
SUS-H-65MC		Monomer Cast Nylon (Including B)	65	230(234.6)	42	38	10
SUS-H-75MC			75	250(255.0)			
S-50MCE		Conductive Monomer Cast Nylon	50	120(122.4)	30	25	8.2
SUS-H-65MCE		Conductive Monomer Cast Nylon (Including B)	65	230(234.6)	42	38	10
SUS-H-75MCE			75	250(255.0)			
SUS-H-65PB		Phenol (Including B)	65	230(234.6)	42	38	10
SUS-H-75PB			75	250(255.0)			

Wheel

H-type SUS-HSG Type

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
SUS-UH-50GFB		Reinforced Nylon (Including B)	50	250(255.0)	43	38	10
SUS-H-65GNB		Reinforced Nylon (Including B)	65	250(255.0)	42	38	10
SUS-H-75GNB			75				
SUS-H-50MC		Monomer Cast Nylon (Including B)	50	250(255.0)	42	38	10
SUS-H-65MC			65				
SUS-H-75MC			75				
SUS-H-50MCE		Conductive Monomer Cast Nylon (Including B)	50	250(255.0)	42	38	10
SUS-H-65MCE			65				
SUS-H-75MCE			75				
SUS-H-50PB		Phenol (Including B)	50	250(255.0)	42	38	10
SUS-H-65PB			65				
SUS-H-75PB			75				

＊The load capacity depends on the braket type.　＊(Including B) Indicates wheels equipped with bearing.

Wheel

SKY-type SKY-2S Type / SKY-2R Type

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
AW-150		Rubber (Aluminum Wheel Assembly, Including B)	150	200(204.0)	56	42	20(16)
AW-200			200			45	
WF(AR)-150		Abrasion Resistant Rubber (Steel Plate Wheel Assembly, Including B)	150	200(204.0)	56	40	20(16)
WF(AR)-200			200			43	
WF(Gr)-150		Green Rubber (Steel Plate Wheel Assembly, Including B)	150	200(204.0)	56	40	20(16)
WF(Gr)-200			200			43	
AW(AR)Gr-150		Abrasion Resistant Green Rubber (Aluminum Wheel Assembly, Including B)	150	200(204.0)	56	42	20(16)
AW(AR)Gr-200			200			45	
UWF-150		PU (Steel Plate Wheel Assembly, Including B)	150	200(204.0)	56	38	20(16)
UWF-200			200			42	
UWF/INJ-150		PU (Steel Plate Wheel Assembly, Including B)	150	200(204.0)	56	38	20(16)
UWF/INJ-200			200			42	
APU-150		PU (Aluminum Wheel Assembly, Including B)	150	200(204.0)	56	38	20(16)
APU-200			200			45	
AUU-150		PU (Aluminum Wheel Assembly, Including B)	150	200(204.0)	56	42	20(16)
AUU-200			200			45	

Wheel

SKY-type SHSKY Type / SHSKY-S Type

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
S-125NRB		Rubber (Nylon Wheel Assembly, Including B)	125	30(30.6)	44	30	10

*The load capacity depends on the braket type. *(Including B) Indicates wheels equipped with bearing.

SKY-type

SKY-S Type / SKY-S-S Type / SKY-R Type / SKY-R-S Type / SKY-T Type / SKY-T-S Type

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
S-100SUE	 Antistatic PU (Nylon Wheel Assembly, Including B)	100	30(30.6)	32	28	8
S-125SUE		125		37.4	32	

NP-type

NPG Type / NPG-S Type / NPR Type / NPR-S Type / NPT Type / NPT-S Type

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
S-100SUE	 Antistatic PU (Nylon Wheel Assembly, Including B)	100	30(30.6)	32	28	8
S-125SUE		125		37.4	32	

SILENT-type

EF Type / EF-S Type / ER Type / EFT Type / EFT-S Type

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
L-65ELSB	 Elastomer (Including B)	65	30(30.6)	24	20	6
L-75ELSB		75	35(35.7)			

SILENT-type

SFHG Type / SFHG-S Type / SR Type / SFHT Type / SFHT-S Type

Product No.	Wheel	Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
S-100SEL	 Elastomer (Including B)	100	50(51.0)	32	28	8
S-75NRB	 Rubber (Nylon Wheel Assembly, Including B)	75	60(61.2)	32	27	8
S-100NRB		100				

＊The load capacity depends on the braket type. ＊(Including B) Indicates wheels equipped with bearing.

Wheel

SILENT-type SJF Type / SJF-S Type / SK Type / J2F Type / J2F-S Type / K2 Type / JF Type / K Type

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
WF-200		Rubber (Steel Plate Wheel Assembly, Including B)	200	200(204.0)	56	43	20
NRB-100(With Cover)		Rubber (Nylon Wheel Assembly, Including B)	100	100(102.0)	43	32	12
NRB-130(With Cover)			130	160(163.2)	56	40	
NRB-150(With Cover)			150	180(183.6)			
WF-200-G		Grey Rubber (Steel Plate Wheel Assembly, Including B)	200	200(204.0)	56	43	20
NR-100-G,BC		Grey Rubber (Nylon Wheel Assembly, Including B)	100	100(102.0)	43	32	12
NR-150-G,BC			150	180(183.6)	56	40	

Wheel

SILENT-type PLJ Type / PLK Type

Product No.	Wheel		Wheel Diameter [mm]	Load Capacity [daN(kgf)]	Boss Width [mm]	Wheel Width [mm]	Wheel Hole Diameter [mm]
NR-100 Double side boss deep ball bearing		Rubber (Nylon Wheel Assembly, Including B)	100	80(81.6)	43	32	12
NR-130 Double side boss deep ball bearing			130	120(122.4)	56	40	
GU-100 Double side boss deep ball bearing		PU (Nylon Wheel Assembly, Including B)	100	80(81.6)	43	32	12
GU-130 Double side boss deep ball bearing			130	120(122.4)	56	40	

＊The load capacity depends on the braket type. ＊(Including B) Indicates wheels equipped with bearing.

Specialized Product

We're happy to make various types of specialized wheel as customer's request.

Wheel

Wide wheel

It's a wheel which make grounding area larger not for fitting on groove, but wheel width is same.

Supported type

J Type
PM Type
J2 Type

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.

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OTHER-type

Wrench

We solve customers problem

Custom-Made

We make it from customer voice and new value become "function"
we solve problem in various situations and challenge new value creation.
Caster is required to transport something.
Want to carry heavy things with light power,
caster exhibits performance such a time.
Over 70% of which are custom-made.
We gain trust from respond to customer voice and challenge
new develop product.

Solution

We have know-how responded to various requirement
there are various products over 8,000 types of caster, drastic design support force.
We show optimal solution to you problem at various site.
In order to respond to customer requirement, we always challenge innovative product,
realize safe, and satisfied logistics environment.

Please let us know what you want.

YUEI support all things one-stop service which planning, design, manufacturing and sales. In order to reflect customer requirement we always share inquiry with manufacturing and technique department. Actually we design product, analyze and verify proto product. We improve it until perfect product by utilizing the PDCA.
We constantly solve the problem listening to customer request firmly!

YUEI began developing and producing industrial caster wheels.
Over past 50 years, We have accumulated a wealth of manufacturing technologies and material knowledge.

1977.10 — YUEI CASTER Co., Ltd. established.

Newly established Manufacturing Division from Ojima Kosho Co., Ltd. (founded in 1949), and then established YUEI CASTER Co., Ltd.

1983.7 — Founded Nara Nukatabe Factory in Yamatokoriyama city, Nara

Construction of the Nara Nukatabe Factory, was aiming at stabilizing supply by increasing production and also for strengthening of in-house parts for quality improvement.

1986 — Opened Osaka Sales Office and Logistics Center

We opened the logistics center to reliably deliver the necessary items from the rich items as efficiently as possible.

1991.3 — Established Fukuoka Factory in Tagawa-gun, Fukuoka

With the expansion of the demand of automobile related industries,in order to response quickly for our customers, we built Fukuoka Factory.

- Opened Fukuoka Sales Office within Fukuoka Factory (Moved to Hakata in 2015)
- Opened Kanto Sales Office (Moved Tokyo Branch to Chiyoda, in 2015)

1997 — Opened Chubu Sales Office

(Renamed to Chubu Branch later)

1999 — Acquired ISO9002:1994 Certification

(Nara Nukatabe Factory)

Production system which create new value

1 Product Planning	2 Design Development	3 Material Procurement	4 Manufacturing	5 Sales	6 Delivery
					
・Segmentation Targeting Positioning Planning original product value	・Product development is condensed know-how by specialized manufactures from most suitable material choice to design structure	・Material selection for embodying the design ・Global materials for enhancing competitiveness gain new technical information	・Molding Process ・Pressing Process ・Assembling Process	・Be aware of trend of order situation real time ・We feedback to customer voice to technical department	・Respond to produce various type order ・We realize efficiently logistics system which it can be nationwide delivery

YUEI 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

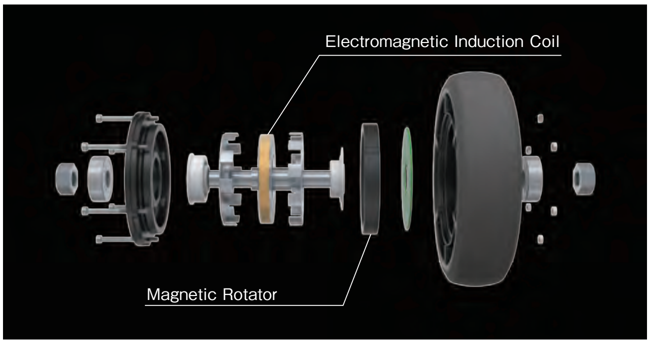
IoT Solution

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.



2005

1 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.

・Acquired ISO14001:2004 Certification

2010

6 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)

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.

2015 Expanded Fukuoka Factory

2016 Opened Hiroshima Sales Office

2017

Celebrating 40th anniversary

2017 Established Kanto Factory

2018

2018 Company name changed to **YUEI Co., Ltd.**

Established Pacific Yuei Vietnam Co., Ltd. in Hanoi, Vietnam

2019 Expansion of Suzhou Factory

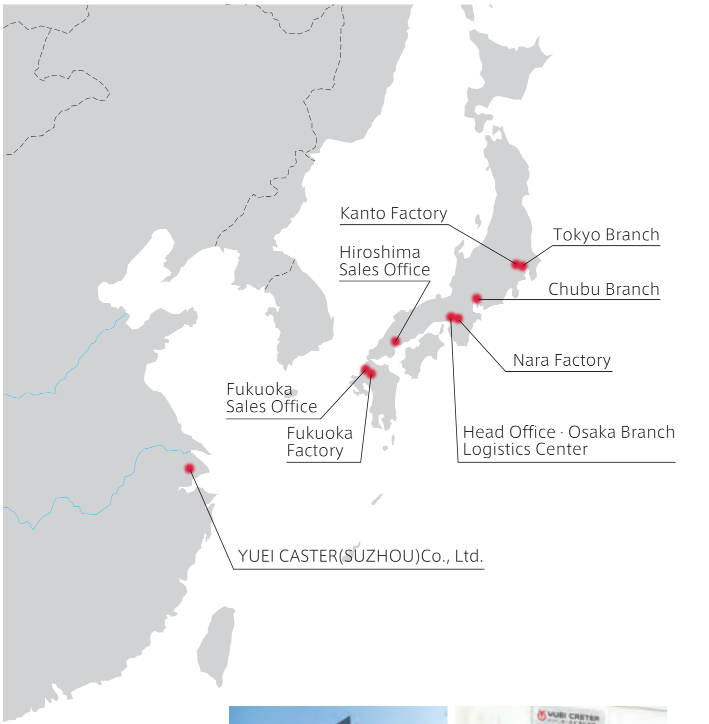
2022

NEXT STAGE

YUEI®

Step up to the NEXT STAGE!!

Office / Affiliate



YUEI


Tokyo Branch


Hiroshima Sales Office


Head Office · Osaka Branch

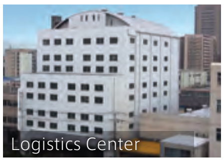

Chubu Branch


Fukuoka Sales Office


Nara Nukatabe Factory


Nara Ikezawa Factory


Fukuoka Factory


Logistics Center


Kanto Factory

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

PLASTIC FORMATION CONTAINER ROTARY

ROTARY Co., Ltd.

Specialized manufacturer of plastic molding.
Manufacture various categories of plastic products in one stop from design to mass production.

Production Base

YUEI CASTER(SUZHOU) Co., Ltd.

Established in 2014, located in Suzhou 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.

Production Base

Pacific Yuei Vietnam Co., Ltd.

Established in 2018, Vinh Phuc(near Hanoi, Vietnam).
Started to manufacture material handling equipment and plastic parts.
In the future, we plan to start to manufacture caster wheel also.
Strengthen global supply chain to procure high-quality products stably.

Showroom

YTC Tokyo
YUEI Technology Center

The showroom where you can experience YUEI IoT system.
We propose integrated sensor network system "YUEI tunagaru System".

Head Office [Overseas Sales]	Zip code:578-0965 1-8-39 Honjo-Nishi, Higashi-Osaka city, Osaka Tel. +81-6-6747-5602 Fax. +81-6-6747-5609
Tokyo Branch	Zip code:101-0021 5F, Prostech Akihabara, 6-13-10, Sotokanda, Chiyoda-ku, Tokyo Tel. +81-3-5816-1155 (proxy) Fax. +81-3-5816-1156
Chubu Branch	Zip code:486-0824 58 Warizuka-cho, Kasugai city, Aichi Tel. +81-568-86-3066 (proxy) Fax. +81-568-86-3067
Osaka Branch	Zip code:578-0965 6F, YUEI HEAD OFFICE 1-8-39 Honjo-Nishi, Higashi-Osaka city, Osaka Tel. +81-6-6747-5618 Fax. +81-6-6747-5609
Hiroshima Sales Office	Zip code:733-0002 No.102, Shinko Buliding, 2-5-18, Kusunoki-cho, Nishi-ku, Hiroshima city, Hiroshima Tel. +81-82-509-2105 Fax. +81-82-237-2455
Fukuoka Sales Office	Zip code:812-0023 3F, NS Naraya Building, 11-6, Naraya-machi, Hakata-ku, Fukuoka city Fukuoka Tel. +81-92-261-5607 Fax. +81-92-261-5608
Kanto Factory	Zip code:357-0069 3-5-5, Akanedai, Hanno city, Saitama Tel. +81-42-983-6111 Fax. +81-42-983-6115
Nara Factory	Zip code:639-1032 321-9, Ikezawa-cho, Yamatokoriyama city, Nara Tel. +81-743-56-8751 (proxy) Fax. +81-743-56-8750
Fukuoka Factory	Zip code:822-1101 474-124, Akaike, Fukuchi-machi, Tagawa-gun, Fukuoka Tel. +81-947-28-5722 (proxy) Fax. +81-947-28-5625
Logistics Center	Zip code:578-0965 1-5-44 Honjo-Nishi, Higashi-Osaka city, Osaka Tel. +81-6-7657-5510 Fax. +81-6-7660-5620
YUEI CASTER (SUZHOU)Co., Ltd.	No.100, Yefeng Rd, Wujiang Economic & Technological Development Zone, Suzhou city, Jiangsu Province, China Tel. +86-0512-6310-0778
Pacific Yuei Vietnam Co., Ltd.	Lot 1, Binh Xuyen Industrial Zone, Huong Canh Town, Binh Xuyen District, Vinh Phuc Province, Hanoi, Vietnam Tel. +84-21-1358-0990
YTC Tokyo	Zip code:101-0021 2F, Prostech Akihabara, 6-13-10, Sotokanda, Chiyoda-ku, Tokyo Tel. +81-3-5816-1155 (proxy) Fax. +81-3-5816-1156

Establishment	October 1977
Capital	83 million yen
Representative	President and CEO KOTA OJIMA
Number of employees	356 people (Until 2022)
Business outline	Comprehensive manufacturer of casters (Design, production and sales of caster and relevant products)
Associated Companies	· Domestic company: 2 TEIMO Co., Ltd. / ROTARY Co., Ltd. · Overseas company: 2 YUEI CASTER(SUZHOU)Co., Ltd. PYV Co.,Ltd.
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

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