No.500



Stylishly subtle hardware **highlights displays**





SUGATSUNE

Since 1930

Manufacturer of LAMP® brand products

Furniture & Architectural Hardware



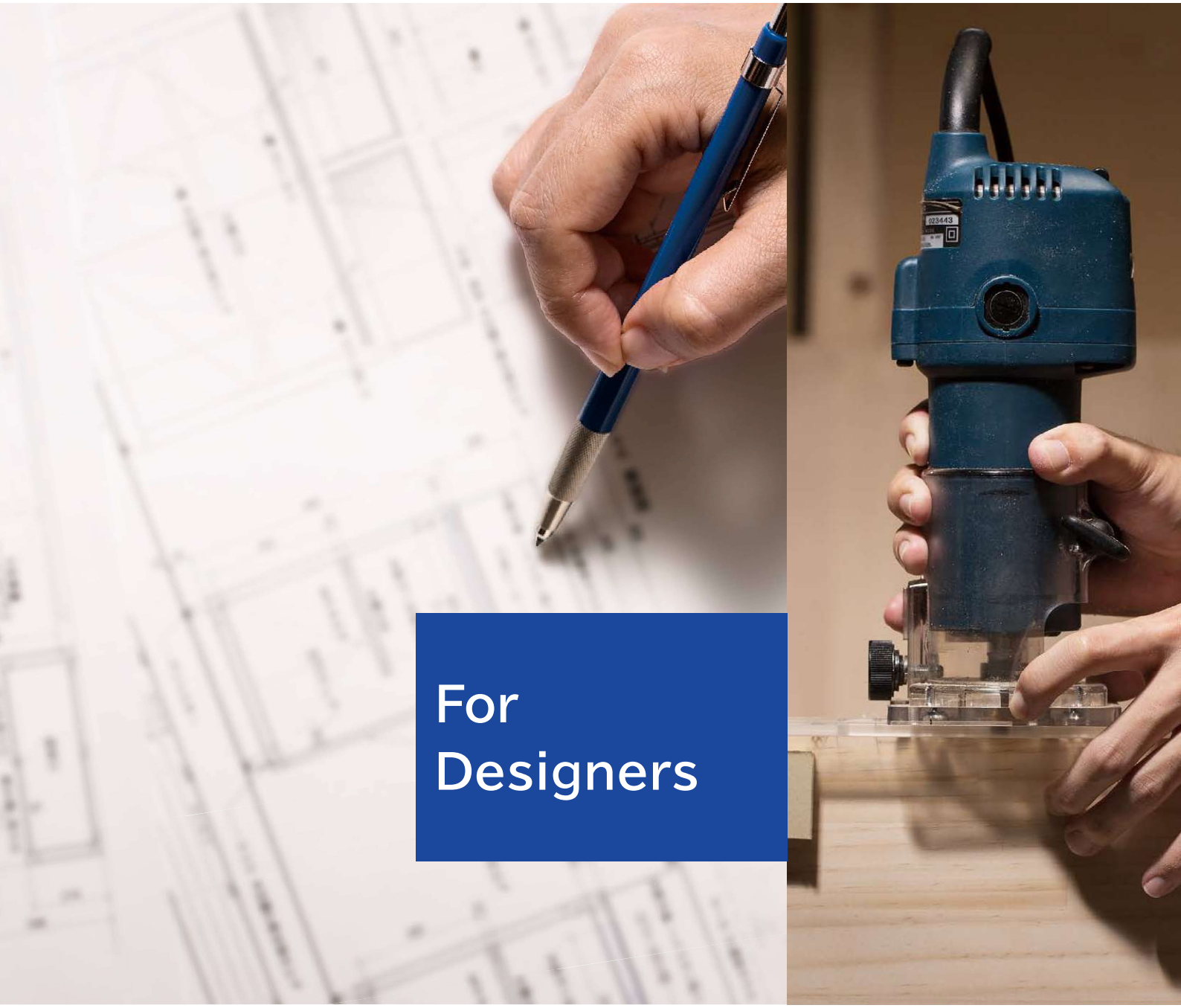
Hinges **integrated** with thin door frames





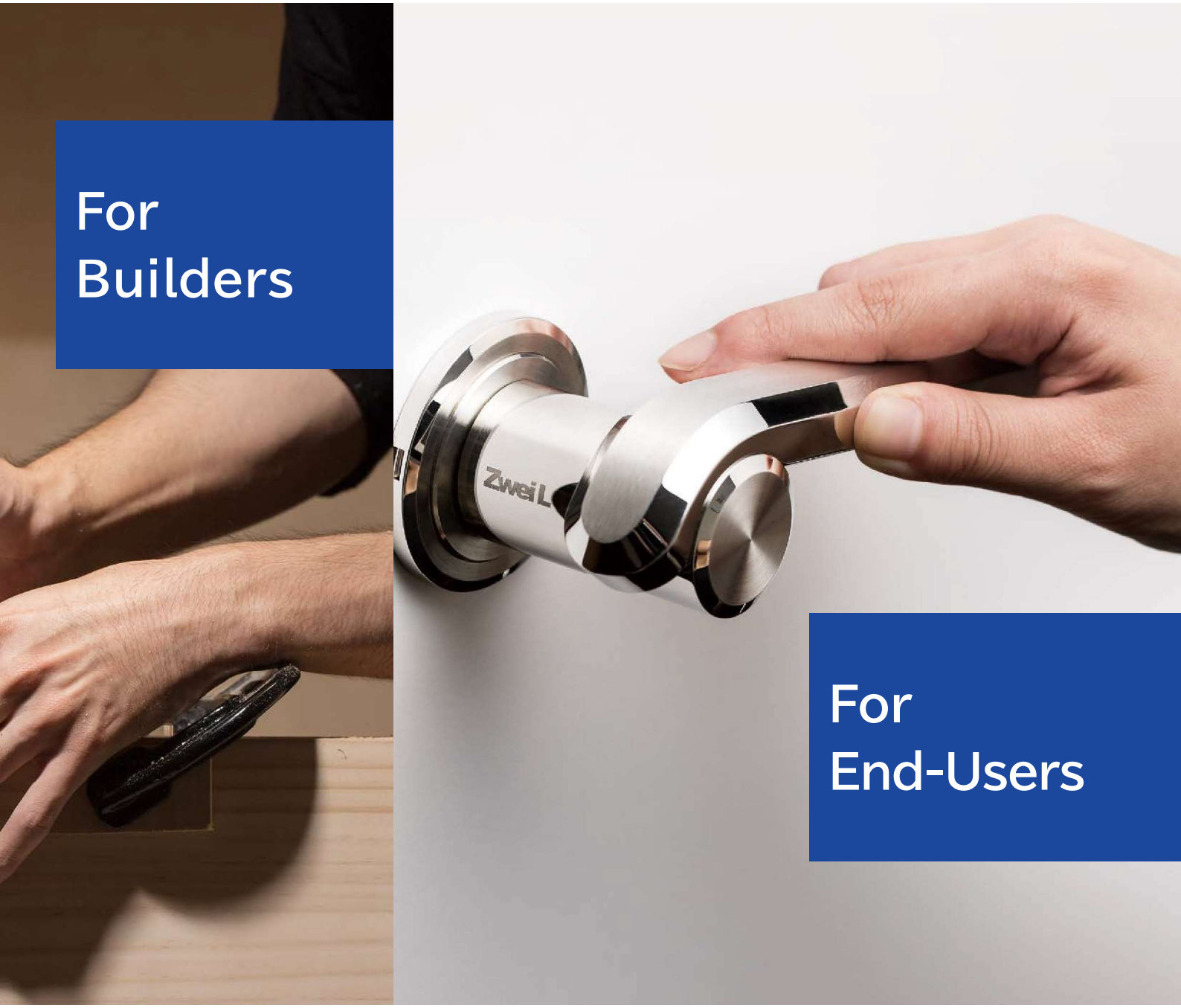
Innovation beyond expectation

Because Details Matter



For
Designers

Realising Your Vision with Diversity and Expertise



Sugatsune connects the ideas and aspirations of various people by expanding the potential of hardware and meticulously designing each product.
We meet the demands of furniture and architectural projects with unmatched functionality, quality, and service. Sugatsune' s unwavering dedication remains steadfast now and in the future.

LAMP®

High-Quality Products, Expertly Designed in Japan

September 2024

Enriching the meaning of “Manufacturing”

Product Development

The creativity and ability to create new products



Sugatsune recognises originality as a key component to creating products that are long time favourites in the market and that can also drive sales. With enhancing originality comes increasing difficulty to conceptualise and make original products. But by challenging these hurdles, a new and tailored market can be conceived.

Core Technology

A legacy of expertise



Sugatsune’s Motion Design Tec delivers specialised movements solutions such as “free stop motion,” “soft motion,” and “assist motion” for a better user experience. Cultivated over the decades, Sugatsune can provide highly original, reliable, and quality products with Motion Design Tec technologies worldwide.

Expanding Globally with Partners in Over 80 Countries

Please enquire about custom-made products!

- Finish change
- Dimension change
- Processing
- Function addition
- Specification change
- Development

Our Factory

Sugatsune has it's own exclusive factory and within its facilities is a development research centre specializing in motion design. It is here that Sugatsune's new and unique technologies emerge.



Design

Commitment to Functional Design



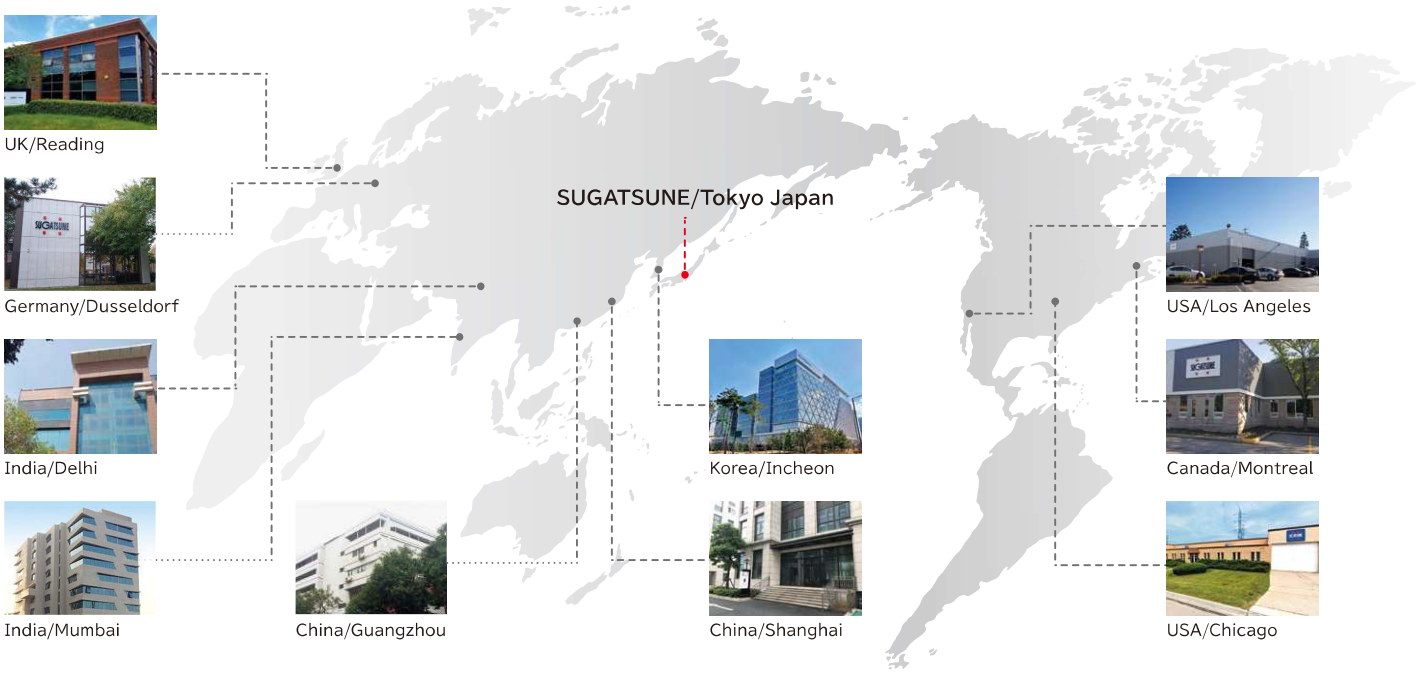
Design is no longer just about shape and colour. To deepen the meaning of "design," practicality and functionality have become integral elements in the Sugatsune manufacturing development process. Without ignoring the traditional design approach, resulting products undoubtedly possess a distinct visually appealing quality.

Product Variety

A product lineup to meet all needs



With over 30,000 products in its lineup, Sugatsune can quickly and accurately meet the needs of its customers. Moreover, support for specialised custom made items is also available.





Zwei Lichter

[Two Lights]

High precision polish, artfully sculpted shine

Flawless, distortion free lines. Stainless steel surfaces polished to the smoothness of a mirror juxtaposed seamlessly against a soft metallic satin finish creating a stately radiance.

Zwei L®



Exquisite Distortion-free Straight Lines

Beauty, lives in the finer details.

“The pursuit of the essential and the ideal” is Sugatsune Kogyo’s vow, given form in Zwei L.

With its dual gleams of light, premium interiors are enhanced with a lustrous glow.

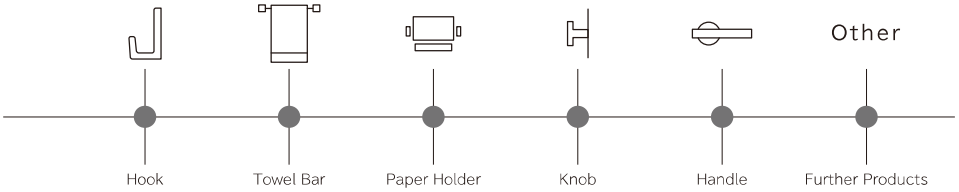








LINE UP





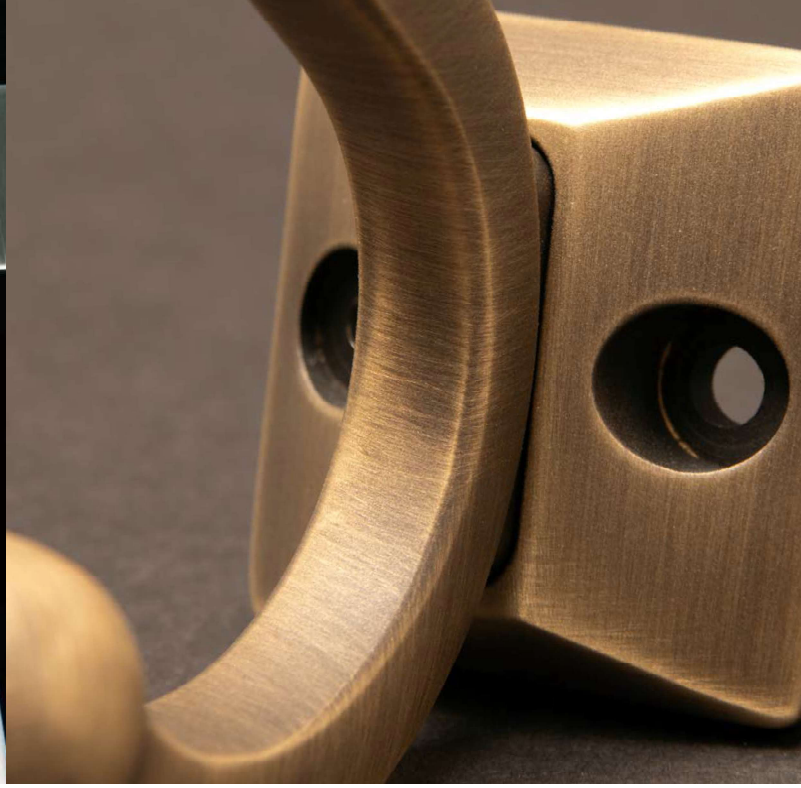
LAMP®

An original brand of Sugatsune quality

LAMP brand represents our answers to numerous manufacturing challenges and Sugatsune's commitment to quality and function is evident in the design, construction, material selection, finishing, and quality control of our products.







Confidence in our quality

Due to our “manufacturing by pursuing the ideal” strategy, which includes stringent quality control, a reliable testing system, and a dedication to exquisite finishes, you can use LAMP products with confidence for a long time. This ensures a consistent supply of goods of high calibre.

Specialised mechanisms

The components of LAMP are symbolised by their unique mechanisms, which are the outcome of our creative vision. By choosing the best mechanism for the project during the design phase, we maximise the potential of the components and produce a product of a quality that our clients can rely on.

The art of attention to detail

Design is an integral part of our hardware. With this in mind, we make no compromises with materials and finishes. Sugatsune’s dedication is demonstrated by the stunning finishes and exquisite craftsmanship of our products, which are like works of art.





MonoFlat UNISON MFU1200 Flush Sliding Door System





The MFU1200 Flush Sliding Door System by Sugatsune offers a sleek and integrated design, effortlessly blending with your wall for a concealed appearance. This system supports a maximum door mass of 70 kg and features a two-way damper, ensuring doors open and close smoothly and quietly, enhancing your space's luxurious feel.
Installation is straightforward with a minimal number of parts and no need for floor rail or groove processing. The door pushes open, eliminating the need for a handle on the front side, creating a perfectly flat surface when closed.

Seamlessly Blends with Any Interiors







No lower rail or grooving is required on the floor.

MonoFlat UNISON

Concealed Hinge The HES Series



The HES series offers superb hinges that are virtually invisible from the outside.
It discreetly enhances the beauty of doors without obstructing original designs.
Various interior styles look better with the HES hinges.
For example, the HES1F seamlessly integrates into door frames
and it enhances the overall aesthetic of interior spaces.

Enhance the Interior Space You Design







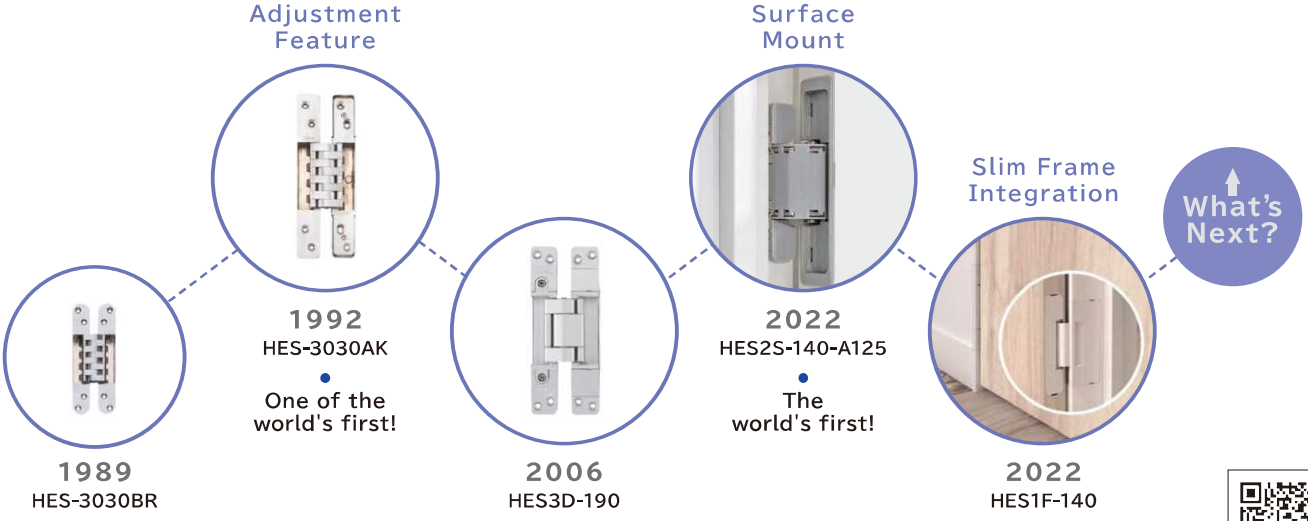
HES1F



HES2S



HES3D



HES Series Milestones at a Glance

MonoFlat LIN-X Hinge For Heavy Doors



When closed, the LIN-X Series doors seamlessly align with the wall, creating a clean and sophisticated space. This system can accommodate large doors with a width of up to 1100 mm and a weight of 90 kg. With a wide opening of 930 mm, it also allows for easy wheelchair access.

Elegant Flush Design for Compact & Functional Spaces

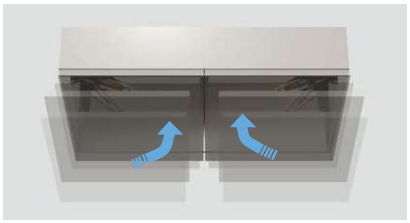
LAMP

Simple & High Quality-Design













MonoFlat LIN-X hinge

GS-G Series Glass Showcase Hardware




Silver


Gold


Black

Crafted with sleek, modern lines, this showcase hardware enhances your exhibited pieces without stealing the spotlight.



Premium Stainless Steel Solutions for Modern and Durable Design

Stainless steel products are favoured for all applications due to their modern finish, durability, and non-corrosive quality. This material is also known for being low-maintenance, making it easy to care for while offering great aesthetic appeal. Sugatsune offers a wide range of stainless steel products, from simple decorative hardware to complex functional hardware. Choose Sugatsune's quality stainless steel for a long-lasting, simple, and modern design.



SUGATSUNE HELP HUB

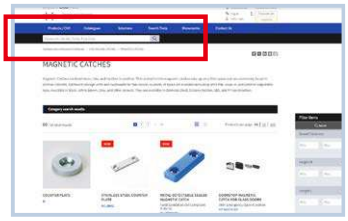
Build Better with Sugatsune!

Explore Our Comprehensive Support Resources

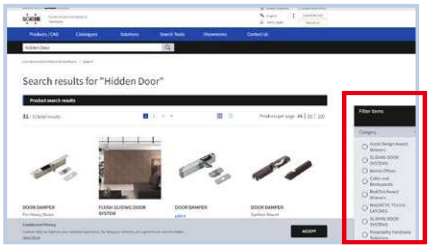


Keyword Search & Product Filters

Search for products by keyword and utilize our product filters. Access comprehensive information including our online catalogue, CAD data and instruction manuals!



Find relevant products with fuzzy search strings like "Hidden Door"!

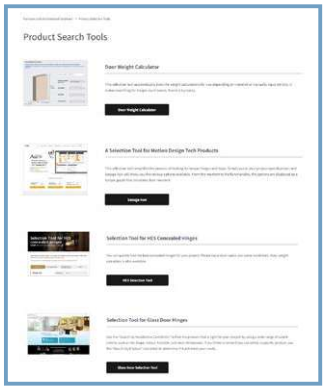


Filter by size, colour, or material as well!

Product Search Tools

The product search tools allow you to choose products tailored to your installation conditions, such as damper stays, damper hinges, torque hinges, torque stays, and more. With moment calculation and operation force simulation, you can easily identify the products that best meet your product requirements.

- Selection Tool for Motion Design Tech Products (Damper stays and hinges, Free stop hinges, etc.)
- Selection Tool for HES Concealed Hinges
- Selection Tool for Glass Door Hinges
- Selection Tool for Pocket Door System



Customer Solutions Case Studies

Our case studies introduce our products and demonstrate how they have been used to solve customer project issues.



Hardware Basics

Discover the basics of our products here. Learn about hinge and stay mechanisms, as well as the differences between various product types.



Official Sugatsune Global Channel

/@SugatsuneGlobal

Videos explain product characteristics and installation methods. Watching the product in action promotes deeper understanding.





L

CASTERS & LEVELING GLIDES

CASTERS

These wheels are designed for furniture. Choose from a variety of wheel materials, shaft mechanisms, and additional features (lock / brake) to suit the floor surface and application.

LEVELING GLIDES

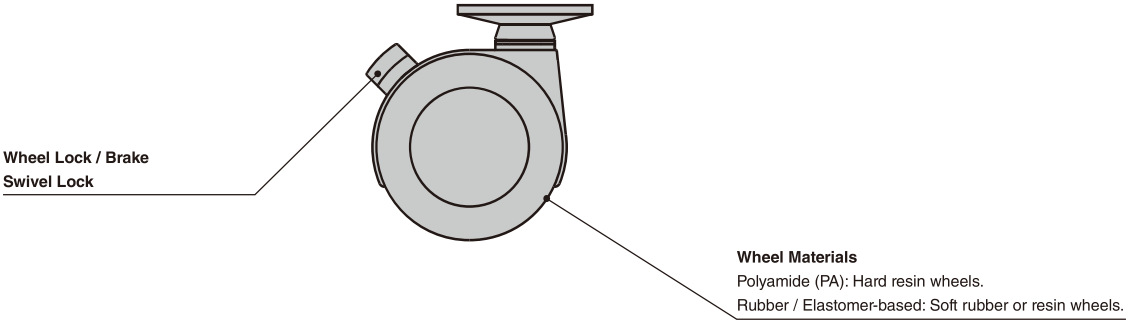
These components are used to adjust the leg height of furniture and devices. As well as a wide range of size variations (from products for heavy weights to handy compact types enabling height adjustment), various bottom part materials are also available.

SELECTION GUIDE
CASTERS
BASES
LEVELING GLIDES
GLIDE BASES

Selection Guide for Casters & Leveling Glides



Guidelines for Choosing Casters



Load Capacity Guidelines

For example, use the safety factor (0.75) as a guideline for the total load when using 4 casters.
Total load N (kgf) = load capacity value N (kgf) x 4 (pcs) x 0.75
In addition, this safety factor (0.75) changes depending on usage conditions such as travel surface and speed. Be sure to make a selection upon confirmation of suitability for the application before use.

Casters are manufactured for the purpose of easy movement and transport of objects. They are mounted on conveying machines and other devices used indoors or within facilities on flat surfaces, and used with manual force. Select suitable products for the application and usage conditions and mount them correctly for use.

Precautions for Selection

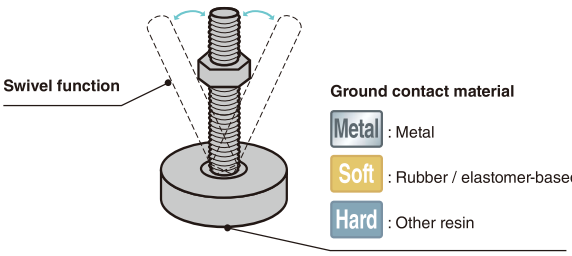
- Select a product within the allowable load range fulfilling the conditions. Excess load may result in damage, cracking, or deformation of the product. The figures displayed for load capacity are examples of data considered reliable by Sugatsune and measured values in tests under conditions specified by Sugatsune; they are not guaranteed values.
  In addition, this safety factor (0.75) changes depending on usage conditions such as travel surface and speed. Be sure to make a selection upon confirmation of suitability for the application before use.
- When considering use for motored traction or mechanical parts, consult us in advance. High-speed rotation or continued travel may result in damage, cracking, or deformation of the product due to excess load, impact, heat accumulation, etc.
- Avoid use in special environments. Use in low-temperature, high-temperature, or high-humidity environments, or in environments exposed to acids, alkalis, salts, solvents, oil, etc., will not only severely shorten the product's lifetime but may also lead to deterioration or damage.
- Because rubber wheels may leave marks on floors, confirm with the actual product.

Precautions for Usage

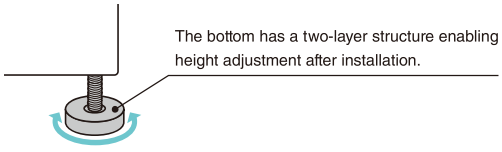
- Use on flat surfaces. As vibration due to uneven surfaces such as asphalt or impact due to dropping down steps may lead to damage, cracking, or deformation of the product, do not use in these environments.
- Do not apply extreme load to the casters. Impacts due to excess load or unloading or excessive force applied in the opposite of the wheel rotation direction may result in damage, cracking, or deformation of the product.
- Do not apply excess force to the stopper. Load on the stopper due to being left on a slope or to travel with the stopper on, as well as use as a brake during travel, may lead to damage to the product, injuries, or damage to surrounding objects.



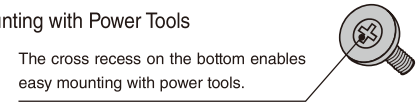
Guidelines for Choosing Adjusters



Post-Installation Height Adjustment Function

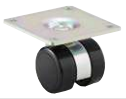


Easy Mounting with Power Tools



Casters / For Furniture

Plate Type

Name	Load Capacity		Wheel			Swivel		When locked / braking			Page
								Wheel		Swivel	
	kgf	N	Diameter (ϕmm)	Width (mm)	Material	Free	Fixed	Lock	Brake	Lock	
PLN50P 	80	785	50	14	Polyamide (PA)	●	—	—	—	—	P.1288
FP45P 	40	392	47	43		●	—	●	—	—	P.1289
FP55P 	50	490	53	46		●	—	●	—	—	P.1290
FPU55P 					Polyamide (PA) + Rubber / elastomer-based (TPU)	●	—	●	—	—	
FA45P 	50	490	47	43	Polyamide (PA)	●	—	●	—	—	P.1291
FA55P 	80	784	53	46		●	—	●	—	—	
FAU55P 	70	686	53	46	Polyamide (PA) + Rubber / elastomer-based (TPU)	●	—	●	—	—	P.1292
PT-30P 	20.4	200	30	32	Polyamide (PA)	●	—	—	—	—	P.1293
BR 	30	294	45	42		●	—	●	—	—	
	40	392	53	48							
BU-25P 	40	392	53	48	Rubber / elastomer-based (PUR) + Polyamide (PA)	●	—	●	—	—	
DB, DS 	50	490	40.5	39.5	Polyamide (PA)	●	—	●	—	—	P.1294
	80	784	50.5	46							
NB, NS 	40	392	40	45.5		●	—	●	—	—	
	60	588	50	53							
GX50P 	100	980	50	52.5		●	—	●	—	—	P.1295
GX60P 	150	1470	60	44		●	—	●	—	—	
JP 	50	490	50	57		●	—	●	—	—	P.1296
	60	588	60	65							
GX-W50K 	200	1960	50	64.5	Polyacetal (POM)	—	●	—	—	—	P.1297
GX-W50GP 						●	—	—	—	—	
GX75P 	200	1960	75	58	Polyamide (PA)	●	—	●	—	—	P.1296

Casters / For Furniture

Threaded Bolt Type

Name	Load Capacity		Wheel			Swivel		When locked / braking			Page
								Wheel		Swivel	
	kgf	N	Diameter (ϕmm)	Width (mm)	Material	Free	Fixed	Lock	Brake	Lock	
PLN50N 	80	785	50	14	Polyamide (PA)	●	—	—	—	—	P.1298
FP45N 	40	392	47	43		●	—	●	—	—	P.1299
FP55N 	50	490	53	46	Polyamide (PA)	●	—	●	—	—	P.1300
FPU55N 					Polyamide (PA) + Rubber / elastomer-based (TPU)	●	—	●	—	—	
FA45N 	50	490	47	43	Polyamide (PA)	●	—	●	—	—	P.1301
FA55N 	80	784	53	46		●	—	●	—	—	
FAU55N 	70	686	53	46	Polyamide (PA) + Rubber / elastomer-based (TPU)	●	—	●	—	—	P.1302
BR 	30	294	45	42	Polyamide (PA)	●	—	●	—	—	P.1303
	40	392	53	48							
BU-25N 	40	392	53	48	Rubber / elastomer-based (PUR) + Polyamide (PA)	●	—	●	—	—	
DB, DS 	50	490	40.5	39.5	Polyamide (PA)	●	—	●	—	—	P.1304
	80	784	50.5	46							
NB, NS 	40	392	40	45.5		●	—	●	—	—	P.1305
	60	588	50	53							
JP 	50	490	50	57		●	—	●	—	—	P.1304
	60	588	60	65							
GX50N12 	100	980	50	52.5		●	—	●	—	—	P.1305
GX60N12 	150	1470	60	44		●	—	●	—	—	P.1306
GX-W50GN 	200	1960	50	64.5	Polyacetal (POM)	●	—	—	—	—	P.1307
GX75N16 	200	1960	75	58	Polyamide (PA)	●	—	●	—	—	P.1306

Insert Bolt Type

Name	Load Capacity		Wheel			Swivel		When locked / braking			Page
	kgf	N	Diameter (ϕmm)	Width (mm)	Material	Free	Fixed	Wheel Lock	Wheel Brake	Swivel Lock	
BR 	30	294	45	42	Polyamide (PA)	●	—	●	—	—	P.1308
	40	392	53	48							
BU-25S 	40	392	53	48	Polyamide (PA) + Rubber / elastomer-based (PUR)	●	—	●	—	—	

Casters / For Facilities

Plate Type

Name	Load Capacity		Wheel			Swivel		When locked / braking			Page
	kgf	N	Diameter (ϕmm)	Width (mm)	Material	Free	Fixed	Wheel Lock	Wheel Brake	Swivel Lock	
EX-100P 	100	980	100	32	Polypropylene (PP) + Rubber / elastomer-based (TPE) / Polyamide (PA) + Rubber / elastomer-based (PUR)	●	—	—	●	●	P.1310
MX-125P 	120	1176	125	36	Polyamide (PA) + Rubber / elastomer-based (PUR)	●	—	●	—	●	P.1312
T, TSD 	80	784	76	61		●	—	●	—	●	P.1313
	100	980	100	69							

Threaded Bolt Type

Name	Load Capacity		Wheel			Swivel		When locked / braking			Page
	kgf	N	Diameter (ϕmm)	Width (mm)	Material	Free	Fixed	Wheel Lock	Wheel Brake	Swivel Lock	
EX-100N 	100	980	100	32	Polypropylene (PP) + Rubber / elastomer-based (TPE) / Polyamide (PA) + Rubber / elastomer-based (PUR)	●	—	—	●	●	P.1311
T, TSD 	80	784	76	61	Polyamide (PA), rubber / elastomer-based (PUR)	●	—	●	—	●	P.1313
	100	980	100	69							

Casters / For Industry

Name	Load Capacity		Wheel			Swivel		When locked / braking			Page
								Wheel		Swivel	
	kgf	N	Diameter (ϕmm)	Width (mm)	Material	Free	Fixed	Lock	Brake	Lock	
Stainless Steel Casters SUS-SJ 	50	490	65	25	Rubber	●	—	—	●	—	P.1314
	60	588	75								
	120	1176	100	32							
	160	1568	150	40							
	70	686	65	25	Polyamide (PA)						
	80	784	75								
	120	1176	100	32							
	150	1470	125	35							
	70	686	65	25	Urethane						
	80	784	75								
	120	1176	100	32							
	150	1470	125	35							
	160	1568	150	38							
Stainless Steel Casters SUS-SK 	60	588	75	25	Rubber	—	●	—	—	—	P.1315
	120	1176	100	32							
	70	686	65	25	Polyamide (PA)						
	80	784	75								
	120	1176	100	32							
	150	1470	125	35							
	70	686	65	25	Urethane						
	80	784	75								
	120	1176	100	32							
	150	1470	125	38							
	160	1568	150								

Ball Type Casters

Name	Load Capacity		Ball Diameter (ϕmm)	Mount Type		Page
	kgf	N		Surface Mount	Recessed	
BM 	10, 12, 15, 25, 40	98, 118, 147, 245, 392	11.9, 14.3, 17.5, 22.2, 25.4	●	—	P.1317
BH 	10, 15, 20	98, 147, 196	17.5, 22.2, 25.4	—	●	
BHB-12 	8	78.4	12	—	●	
NT 	25	245	25	—	●	P.1318
NS 	25	245	25	●	—	

Leveling Glides

Ground contact material Metal : Metal Soft : Rubber / elastomer-based Hard : Other resin

Name	Material: Ground Contact	Material: Screw	Load Capacity kgf	Size: Screw										Size: Base Diameter ϕmm	Swivel	Features	Page
				M6	M8	M10	M12	M14	M16	M20	W5/16	W3/8	W1/2				
Sway-Foot Leveling Glides MDSF 		Steel	204 - 765			●			●	●				· ϕ58 · ϕ80	—	Gently absorbs vibration with a bolt and receiver	P.1321
With automatic adjustment function Adjusters SAJ 	Hard	Steel	50	●	●	●					●	●		· ϕ32	—	Eliminates wobbling on steps with a special viscous substance	P.1322
Slim Adjusters TG 	Soft Hard	Steel	35 - 180		●	●								· ϕ20 · ϕ30 · ϕ40	—	Anti-slip treatment around bottom periphery is handy for mounting	P.1323
TN 		Steel	80, 100		●	●								· ϕ25 · ϕ35 · ϕ43.5	—	—	P.1323
MN 	Hard	Steel	120, 160		●	●	●				●	●	●	· ϕ25 · ϕ32 · ϕ36 · ϕ40 · ϕ50	8°	Easy mounting with power tools	P.1324
Knurled RA Adjusters 	Metal	Brass	80 - 240								●	●	●	· ϕ26 · ϕ32 · ϕ40 · ϕ50	—	Anti-slip treatment around bottom periphery is handy for mounting	P.1324
RP 		Steel	60 - 622	●	●	●	●	●			●	●		· ϕ25 · ϕ30 · ϕ40 · ϕ50 · ϕ70	30°	Wide swing angle	P.1325
RPS 		SUS	60 - 160	●	●	●								· ϕ25 · ϕ30 · ϕ40	30°		P.1325
Eco Adjusters EA 	Hard	Steel	50 - 270	●	●	●	●							· ϕ25 · ϕ30 · ϕ40 · ϕ50	10° - 15°	Easy disassembly means easy sorting for disposal	P.1326
SG 		–	120, 160		●									· ϕ32 · ϕ40	20°	Wide swing angle	P.1326
MKP 	Metal	Steel	120, 160			●	●	●				●		· ϕ32 · ϕ40 · ϕ50 · ϕ60 · ϕ70	10°	Height can be adjusted after installation	P.1327
MKR 	Soft	Steel	40 - 80			●	●	●				●		· ϕ32 · ϕ40 · ϕ50 · ϕ60 · ϕ70	10°		P.1327
MKPS 	Metal	SUS	200 - 400			●	●					●		· ϕ32 · ϕ40 · ϕ50 · ϕ60	10°		P.1328
MKRS 	Soft	SUS	40 - 100			●	●	●				●		· ϕ32 · ϕ40 · ϕ50 · ϕ60 · ϕ70	10°		P.1328
MKR-N 	Soft	Steel	60 - 80			●						●		· ϕ33 · ϕ41 · ϕ51	10°		P.1329

Leveling Glides

Ground contact material Metal : Metal Soft : Rubber / elastomer-based Hard : Other resin

Name	Material: Ground Contact	Material: Screw	Load Capacity kgf	Size: Screw M8	M10	M12	M16	M20	M24	M30	Size: Base Diameter ϕmm	Swivel	Features	Page
MKR-N32DG32 	Soft	Steel	46	●							· ϕ33	10°	Height can be adjusted after installation	P.1329
SG-CGP40 	Soft	Steel	60	●							· ϕ40	10°	—	P.1330
MK8AD 	Soft	Steel	60	●	●						· Octagonal (24mm)	10°	Easy mounting with power tools Height can be adjusted after installation	P.1330
AD-501 	Metal	Steel	100, 140	●	●						· ϕ30	—	Easy mounting with power tools	P.1331
AD-502-P 	Metal	Steel	280	●							· ϕ30	—	Easy mounting with power tools	P.1332
AD-502 	Metal	Steel	280	●							· ϕ30	—	—	P.1332
MKRL 	Soft	Steel	60 - 80		●	●	●	●			· ϕ32 · ϕ40 · ϕ50 · ϕ70	6°	Easy mounting with power tools Height can be adjusted after installation	P.1333
MKRLS 	Soft	SUS	80, 100		●	●	●				· ϕ32 · ϕ40 · ϕ50	10°	Height can also be adjusted after installation	P.1334
MKPLS 	Metal	SUS	200 - 340		●	●	●				· ϕ32 · ϕ40 · ϕ50	10°	Height can also be adjusted after installation	P.1334
ADR 	Soft	Steel	20 - 150	●	●	●	●				· ϕ41 · ϕ62 · ϕ80	—	Easy mounting with power tools	P.1335
ADRS 	Soft	SUS	20 - 150	●	●	●	●	●			· ϕ41 · ϕ62 · ϕ80	—	Easy mounting with power tools	P.1335
ADP 	Metal	Steel	300, 560	●	●	●	●				· ϕ37 · ϕ55 · ϕ75	—	Easy mounting with power tools	P.1336
ADPS 	Metal	SUS	300 - 880	●	●	●	●	●			· ϕ37 · ϕ55 · ϕ75	—	Easy mounting with power tools	P.1336

Ground contact material Metal : Metal Soft : Rubber / elastomer-based Hard : Other resin

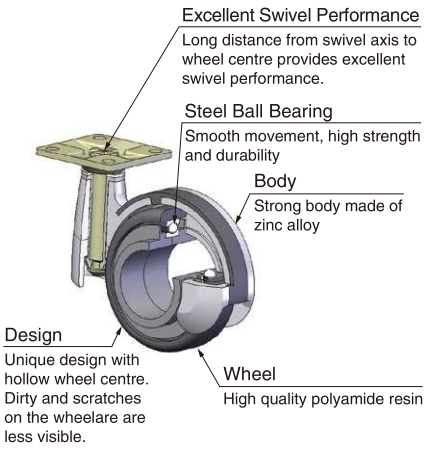
Name	Material		Load Capacity kgf	Size							Swivel	Features	Page
				Screw									
	Ground Contact	Screw		M8	M10	M12	M16	M20	M24	M30	Base Diameter ϕmm			
ADWS 	Soft	SUS	380 - 1750	●	●	●	●	●			· ϕ40 · ϕ50 · ϕ60	—	—	P.1337
ADWHS 			430 - 1260	●	●	●	●				· ϕ40 · ϕ50 · ϕ60			
ADW 		Steel	340 - 1470	●	●	●	●	●			· ϕ40 · ϕ50 · ϕ60			P.1338
ADWH 			340 - 1720	●	●	●	●	●			· ϕ40 · ϕ50 · ϕ60			
TN-S 	Hard		140		●						· ϕ25 · ϕ35 · ϕ43.5			P.1339
PM 			120 - 280		●						· ϕ30 · ϕ38 · ϕ50			
ADHSK 	Metal	SUS	3000 - 4500						●	●	· ϕ83			P.1340
ADHS 			3000 - 4500						●	●	· ϕ83			
ADH 		Steel	3000 - 4500						●	●	· ϕ84			
ADCR 	Soft	Steel	680 - 1440			●		●			· ϕ62.5			P.1341
ADCS 	Metal	SUS	300 - 880			●	●	●			· ϕ60			
ADC 		Steel	300 - 880			●	●	●			· ϕ60			

LAMP PLN DESIGN CASTER





Plate Type　　Threaded Bolt Type



- Improved PL caster provides higher load capacity and operability.
- Excellent design
  Unique design with hollow wheel centre.Combination of smooth curve and black or chrome plating.
- Improved load capacity and operability
  Steel ball bearing improves load capacity and rotation smoothness.
- Wide range of applications
  Medical equipment, audio products, beauty equipment, wagons, chairs, travel bags, and displays, etc.

LAMP DESIGN CASTER PLN50P Plate Type

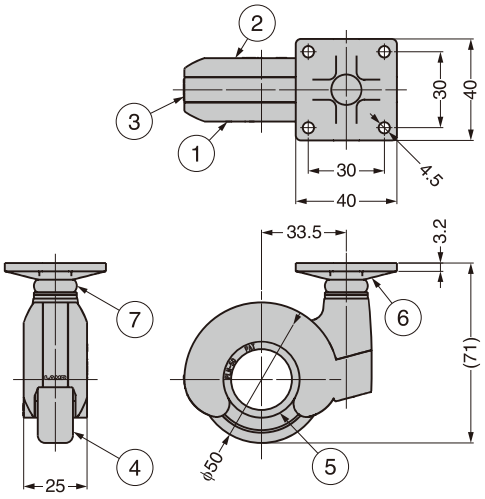
Latest Info



LOAD CAPACITY 785 N

Remarks

- Do not use it on a nonsmooth surface. Deformation, damage or wheel detachment may occur.
- The load capacities in the table below are static load values.



No.	Part Name	Material	Finish/Colour
①	Body (Right)	Zinc Alloy (ZDC)	As below.
②	Body (Left)		
③	Cover	POM	Dark Grey
④	Wheel	PA	Black
⑤	Inner Ring		Dark Grey
⑥	Plate	Steel	Coloured Zinc Chromate
⑦	Mounting Plate	Stainless Steel (SUS304)	Barrel Polished

Item Code	Item Name	Finish/Colour (Body)	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-022-220	PLN50PBL	Paint/Black	785	80	220	1	28
200-022-221	PLN50PCR	Chrome				1	28

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

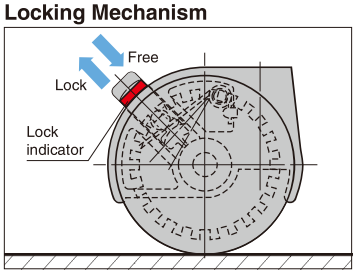
LAMP TWIN WHEEL CASTER F-SERIES



- Interior casters with smooth movement, excellent durability and smart design.
- Ideal for use on carpet etc.
- <Plate type>, <threaded bolt type> and <insert bolt type> available for different installation methods.
- All models are equipped with locking mechanism.
- Various types available for different purposes.

FAU55	Wheel dia. ϕ53 (Elastomer wheel)	Aluminium body
FPU55	Wheel dia. ϕ53 (Elastomer wheel)	Polyamide body
FA55	Wheel dia. ϕ53	Aluminium body
FP55	Wheel dia. ϕ53	Polyamide body
FA45	Wheel dia. ϕ47	Aluminium body
FP45	Wheel dia. ϕ47	Polyamide body

Locking Mechanism



LAMP TWIN WHEEL CASTER FP45P Plate Type

Latest Info

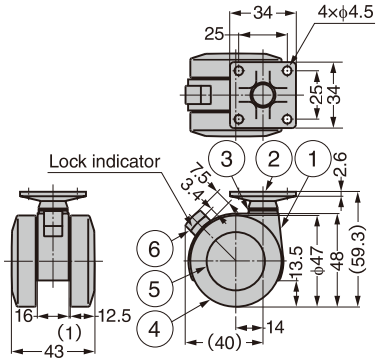


LOAD CAPACITY 392 N

- With red indicator to show locked state.

Remarks

- Push the stopper to handle. Red lock indicator means locked state.
- The load capacities in the table below indicate the loads when moving on a smooth surface.



Drawing above shows the model with brake.

Item Code	Item Name	Type	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-202	FP45PSR	With Brake	392	40	98	4	100
200-133-201	FP45PR	Without Brake			94	4	100

No.	Part Name	Material	Finish/Colour
①	Body	PA	Black
②	Plate	Steel (SPCC)	Coloured Zinc Chromate
③	Shaft	Steel (SWCH)	
④	Wheel	PA	Black
⑤	Cover		
⑥	Stopper		Black, Red

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP TWIN WHEEL CASTER FP55P Plate Type

Latest Info





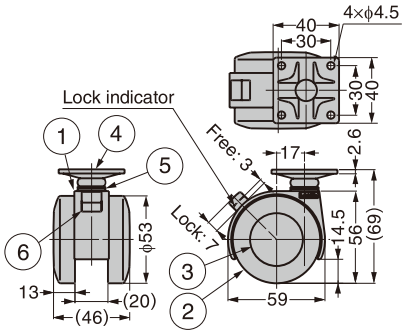
Caster bracket FA55-FIX (P.1292) to lock swivel available.

LOAD CAPACITY 490 N

- With red indicator to show locked state.

Remarks

- Push the stopper to handle.Red lock indicator means locked state.
- The load capacities in the table below indicate the loads when moving on a smooth surface.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	PA	Black
②	Wheel		
③	Cover		
④	Plate	Steel (SPCC)	Coloured Zinc Chromate
⑤	Shaft	Steel (SWCH)	
⑥	Stopper	POM	Black, Red

Item Code	Item Name	Type	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-268	FP55PSR	With Brake	490	50	148	4	72
200-133-273	FP55PR	Without Brake			144	4	72

LAMP TWIN WHEEL CASTER FPU55P Plate Type

Latest Info





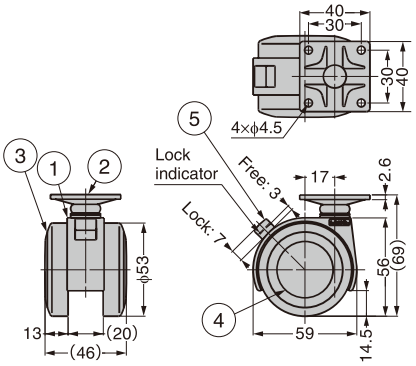
Caster bracket FA55-FIX (P.1292) to lock swivel available.

LOAD CAPACITY 490 N

- Wheels are coated in elastomer which absorbs vibration and gives an extra smooth and quiet movement.
- With red indicator to show locked state.

Remarks

- Push the stopper to handle. Red lock indicator means locked state.
- The load capacities in the table below indicate the loads when moving on a smooth surface.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	PA	Black
②	Plate	Steel (SPCC)	Coloured Zinc Chromate
③	Wheel	PA + Elastomer (TPU)	Black
④	Cover	PA	
⑤	Stopper		Black + Red

Item Code	Item Name	Type	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-288	FPU55PSR	With Brake	490	50	151	4	72
200-133-293	FPU55PR	Without Brake			146	4	72

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP TWIN WHEEL CASTER FA45P Plate Type

Latest Info

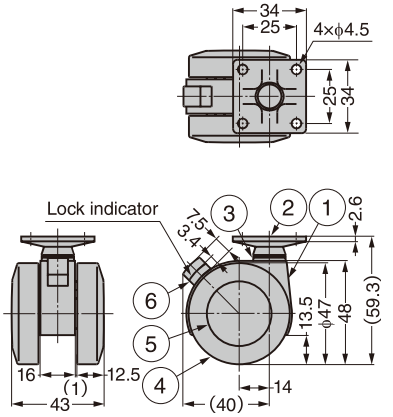


LOAD CAPACITY 490 N

- With red indicator to show locked state.

Remarks

- Push the stopper to handle. Red lock indicator means locked state.
- The load capacities in the table below indicate the loads when moving on a smooth surface.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy (ADC)	Silver Enamel Finish
②	Plate	Steel (SPCC)	Coloured Zinc Chromate
③	Shaft	Steel (SWCH)	
④	Wheel	PA	Black
⑤	Cover		
⑥	Stopper		Black, Red

Item Code	Item Name	Type	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-213	FA45PSR	With Brake	490	50	117	4	100
200-133-212	FA45PR	Without Brake			113	4	100

LAMP TWIN WHEEL CASTER FA55P Plate Type

Latest Info





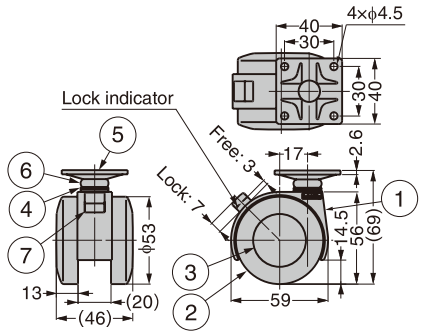
Caster bracket FA55-FIX (P.1292) to lock swivel available.

LOAD CAPACITY 784 N

- With red indicator to show locked state.

Remarks

- Push the stopper to handle. Red lock indicator means locked state.
- The load capacities in the table below indicate the loads when moving on a smooth surface.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy (ADC)	Silver Enamel Finish
②	Wheel	PA	Black
③	Cover		
④	Bush		
⑤	Plate	Steel (SPCC)	Coloured Zinc Chromate
⑥	Shaft	Steel (SWCH)	
⑦	Stopper	POM	Black, Red

Item Code	Item Name	Type	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-258	FA55PSR	With Brake	784	80	176	4	72
200-133-263	FA55PR	Without Brake			171	4	72

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP TWIN WHEEL CASTER FAU55P Plate Type

Latest Info





Caster bracket FA55-FIX (P.1292) to lock swivel available.

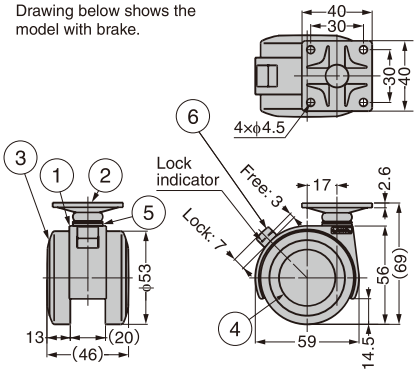
LOAD CAPACITY 686 N

- Wheels are coated in elastomer which absorbs vibration and gives an extra smooth and quiet movement.
- With red indicator to show locked state.

Remarks

- Push the stopper to handle.Red lock indicator means locked state.
- The load capacities in the table below indicate the loads when moving on a smooth surface.

Drawing below shows the model with brake.



No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy (ADC)	Silver Enamel Finish
②	Plate	Steel (SPCC)	Coloured Zinc Chromate
③	Wheel	PA + Elastomer (TPU)	Black
④	Cover	PA	
⑤	Bush		
⑥	Stopper		Black + Red

Item Code	Item Name	Type	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-278	FAU55PSR	With Brake	686	70	179	4	72
200-133-283	FAU55PR	Without Brake			175	4	72

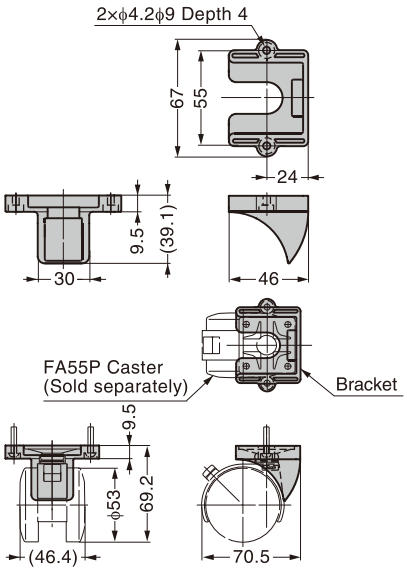
LAMP BRACKET FOR CASTER FA55-FIX For Caster FAU55P, FPU55P, FA55P, FP55P

Latest Info



- Locks swivelling.
- Can be installed on following plate type casters.

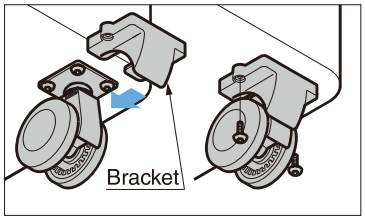
Applicable casters :
- FAU55P (P.1292)
- FPU55P (P.1290)
- FA55P (P.1291)
- FP55P (P.1290)



Application Example



Installation



Item Code	Item Name	Material	Colour	Weight (g)	Box (pcs)	Carton (pcs)
200-012-101	FA55-FIX	Reinforced Polyamide	Black	23	500	–

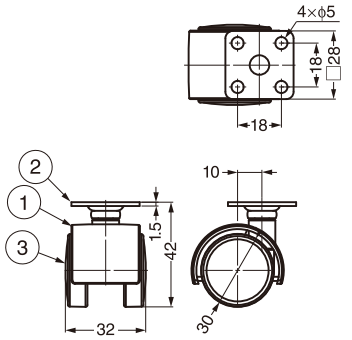
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

TWIN WHEEL CASTER PT-30P Plate Type

Latest Info



LOAD CAPACITY 200 N



No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Black
②	Plate	Steel	Nickel
③	Wheel	Polyamide (PA)	Black

Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight	Carton
200-013-009	PT-30P	200 N	20.4 kgf	34 g	400 pcs

TWIN WHEEL CASTER BU-25P Plate Type

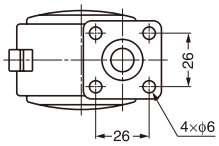
Latest Info



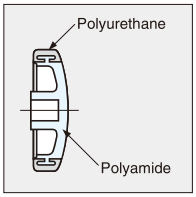
BU-25P BU-25PS

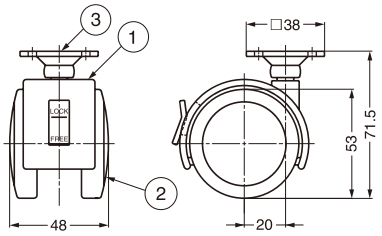
LOAD CAPACITY 392 N

- Wheels are coated in polyurethane which absorbs vibration, gives an extra smooth and quiet ride. Also, unlikely to slip.



Cross-section Drawing





No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Black
②	Wheel	Polyamide (PA)	Black
②	Wheel	Polyurethane (PUR)	Black
③	Plate	Steel	Clear Zinc Chromate

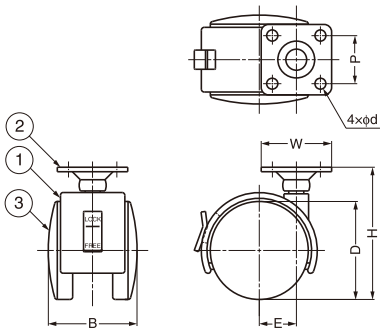
Item Code	Item Name	Type	Load Capacity N	Load Capacity kgf	Weight	Carton
200-132-047	BU-25PS	With Brake	392 N	40 kgf	157 g	120 pcs
200-132-040	BU-25P	Without Brake	392 N	40 kgf	150 g	120 pcs

TWIN WHEEL CASTER BR Plate Type

Latest Info



w/o Brake w/ Brake



Drawing above shows the model with brake.

LOAD CAPACITY 294, 392 N

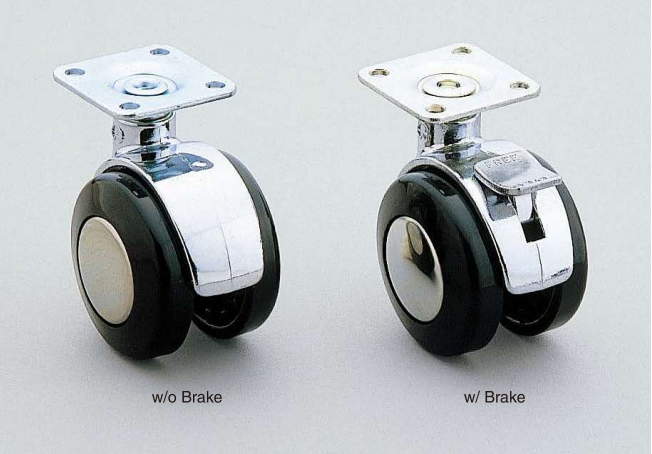
No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Black
②	Plate	Steel	Clear Zinc Chromate
③	Wheel	Polyamide (PA)	Black

Item Code	Item Name	Type	D	H	B	W	P	E	d	Load Capacity N	Load Capacity kgf	Weight	Carton
200-132-028	BR-20PS	With Brake	45	61.5	42	38	26	16	6	294 N	30 kgf	104 g	200 pcs
200-132-022	BR-20P	Without Brake	45	61.5	42	38	26	16	6	294 N	30 kgf	95 g	200 pcs
200-132-038	BR-25PS	With Brake	53	71.5	48	38	26	20	6	392 N	40 kgf	149 g	120 pcs
200-132-032	BR-25P	Without Brake	53	71.5	48	38	26	20	6	392 N	40 kgf	138 g	120 pcs

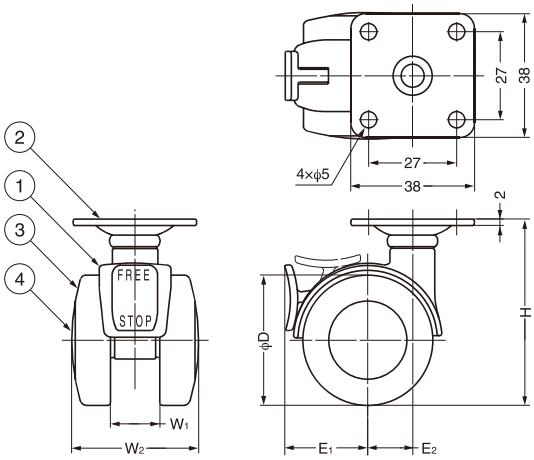
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

TWIN WHEEL CASTER DB, DS Plate Type

Latest Info



LOAD CAPACITY 490, 784 N



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	Zinc Alloy (ZDC)	Chrome
②	Plate	Steel	Clear Zinc Chromate
③	Wheel	Polyamide (PA)	Black
④	Cover	Stainless Steel (SUS430)	–

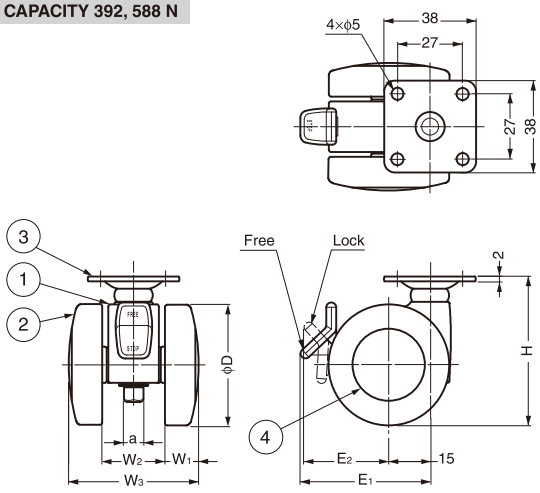
Item Code	Item Name	Type	D	W_1	W_2	H	E_1	E_2	Load Capacity N	Load Capacity kgf	Weight	Carton
200-132-506	DB-40P	With Brake	40.5	15	39.5	58.5	27	12.5	490 N	50 kgf	130 g	120 pcs
200-132-505	DS-40P	Without Brake	40.5	15	39.5	58.5	23.5	12.5	490 N	50 kgf	117 g	120 pcs
200-132-510	DB-50P	With Brake	50.5	18	46	71.5	33.5	17	784 N	80 kgf	210 g	100 pcs
200-132-509	DS-50P	Without Brake	50.5	18	46	71.5	29	17	784 N	80 kgf	196 g	100 pcs

TWIN WHEEL CASTER NB, NS Plate Type

Latest Info



LOAD CAPACITY 392, 588 N



No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Black
②	Wheel	Polyamide (PA)	Black
③	Plate	Steel	Clear Zinc Chromate
④	Wheel Cap	Stainless Steel (SUS430)	Plain

Item Code	Item Name	Type	D	H	E_1	E_2	W_1	W_2	W_3	a	Load Capacity N	Load Capacity kgf	Weight	Carton
200-133-148	NB-40P	With Brake	40	49	48	32	12	21	45	7	392 N	40 kgf	89 g	200 pcs
200-132-500	NS-40P	Without Brake	40	49	–	–	12	21	45	7	392 N	40 kgf	88 g	200 pcs
200-132-515	NB-50P	With Brake	50	61	52	36	14	25	53	8	588 N	60 kgf	132 g	120 pcs
200-132-514	NS-50P	Without Brake	50	61	–	–	14	25	53	8	588 N	60 kgf	128 g	120 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

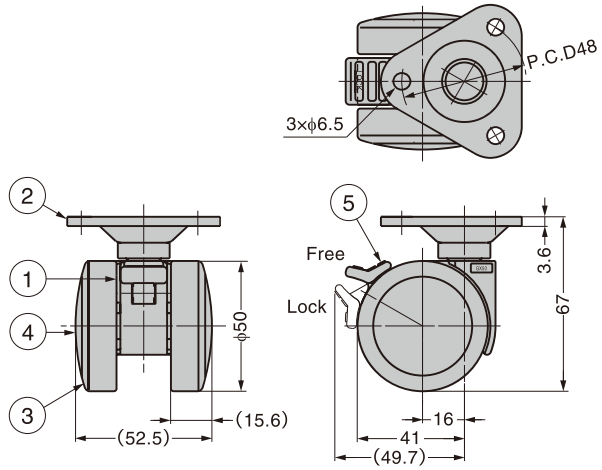
LAMP TWIN WHEEL CASTER GX50P Plate Type

Latest Info



LOAD CAPACITY 980 N

- Stable twin wheel structure provides smooth movement and excellent durability.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy	Barrel Polished
②	Plate	Steel	Coloured Zinc Chromate
③	Wheel	PA	Black
④	Cover		
⑤	Lever		

Item Code	Item Name	Type	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-173	GX50PS	With Brake	980	100	235	4	72
200-133-172	GX50P	Without Brake			230	4	72

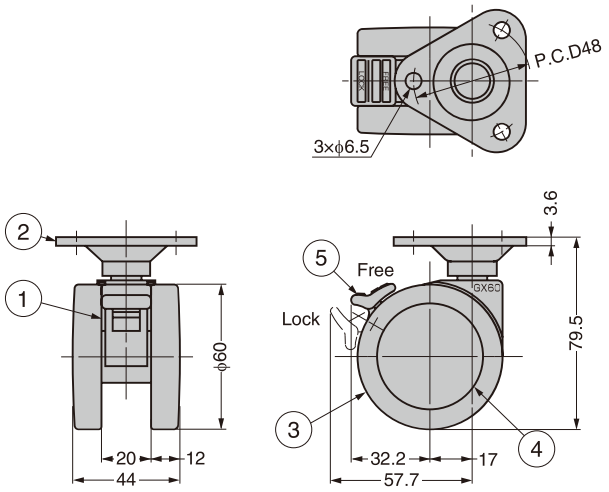
LAMP TWIN WHEEL CASTER GX60P Plate Type

Latest Info



LOAD CAPACITY 1470 N

- Stable twin wheel structure provides smooth movement and excellent durability.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy (ADC)	Barrel Polished
②	Plate	Steel (SPHC)	Coloured Zinc Chromate (Trivalent)
③	Wheel	PA	Black
④	Cover		
⑤	Lever		

Item Code	Item Name	Type	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-181	GX60PS	With Brake	1470	150	225	4	60
200-130-033	GX60P	Without Brake				4	60

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

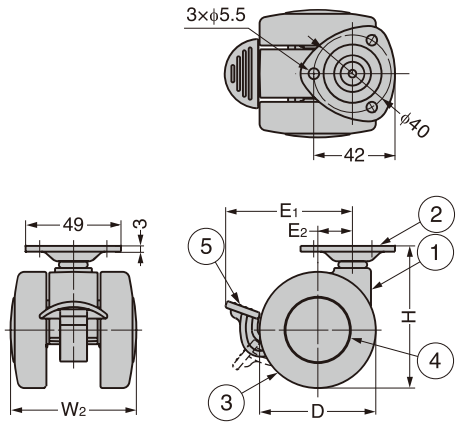
TWIN WHEEL CASTER JP Plate Type

Latest Info



LOAD CAPACITY 490, 588 N

- Stable twin wheel structure provides smooth movement.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	PA	Black
②	Plate	Steel	Coloured Zinc Chromate
③	Wheel	PA	Black
④	Cover	ABS	
⑤	Stopper Pedal	PA	

Item Code	Item Name	Type	D	E1	E2	H	W2	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-130-374	JPB-50BKP	With Brake	50	55	15	62	57	490	50	157	100	–
200-130-373	JP-50BKP	Without Brake								151	100	–
200-130-378	JPB-60BKP	With Brake	60	66	18	73	65	588	60	204	100	–
200-130-377	JP-60BKP	Without Brake								192	100	–

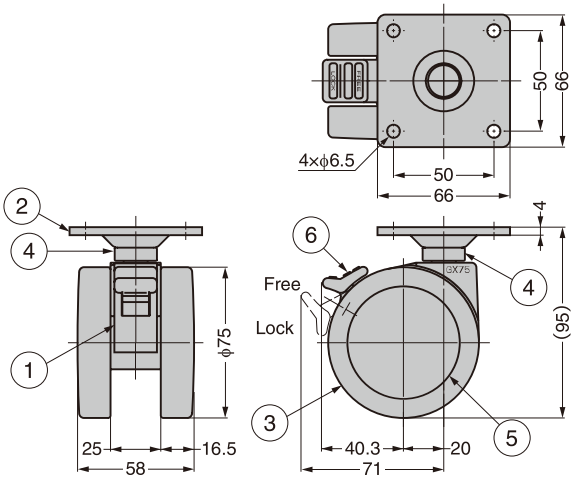
LAMP. TWIN WHEEL CASTER GX75P Plate Type

Latest Info



LOAD CAPACITY 1960 N

- Stable twin wheel structure provides smooth movement and excellent durability.



Drawing above shows the model with brake.

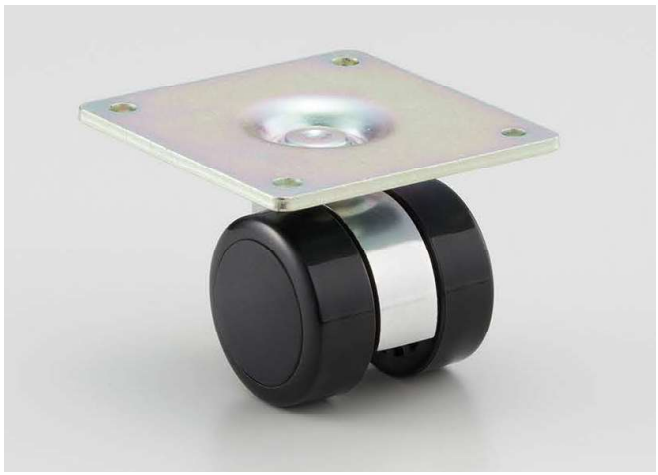
No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy (ADC)	Barrel Polished
②	Plate	Steel	Coloured Zinc Chromate
③	Wheel	PA	Black
④	Shaft	Steel (SWCH)	Coloured Zinc Chromate
⑤	Cover	PA	Black
⑥	Lever		

Item Code	Item Name	Type	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-218	GX75PS	With Brake	1960	200	445	2	24
200-133-217	GX75P	Without Brake			430	2	24

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. TWIN WHEEL CASTER GX-W50GP Plate Type

Latest Info

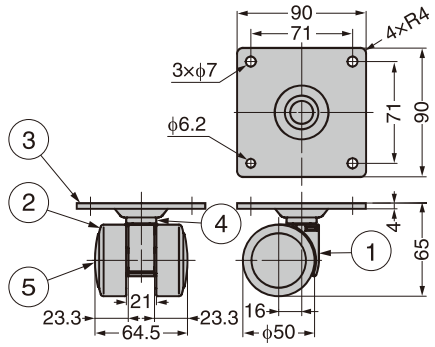


LOAD CAPACITY 1960 N

- Low profile and heavy duty. Ideal for OA equipment, etc.
- Stable twin wheel structure provides smooth movement and excellent durability.
- Use in combination with GX-W50K (P.1297) for easy handling.

Remarks

- The load capacities in the table below indicate the loads when moving on a smooth surface.



No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy	Barrel Polished
②	Wheel	POM	Black
③	Plate	Steel (SPCC)	Coloured Zinc Chromate
④	Shaft	Steel (SWCH)	
⑤	Cover	PA	Black

Item Code	Item Name	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-130-027	GX-W50GP	1960	200	420	2	40

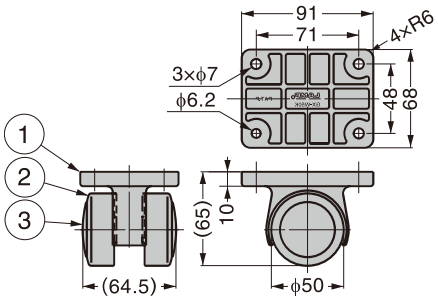
LAMP. TWIN WHEEL CASTER GX-W50K Non-swivel Plate Type

Latest Info



LOAD CAPACITY 1960 N

- Stable twin wheel structure provides smooth movement and excellent durability.
- Use in combination with GX-W50GP (P.1297) for easy handling.



No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy (ADC)	Barrel Polished
②	Wheel	POM	Black
③	Cover	PA	

Item Code	Item Name	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-130-032	GX-W50K	1960	200	300	2	48

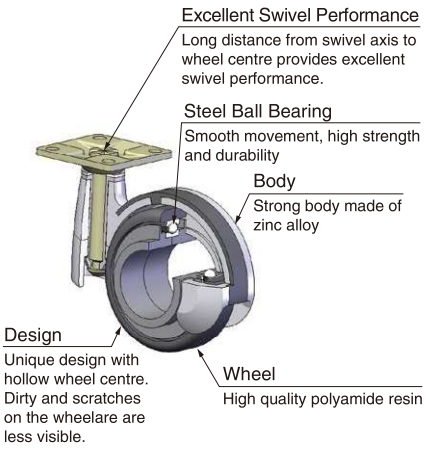
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. PLN DESIGN CASTER





Plate Type　　Threaded Bolt Type



- Improved PL caster provides higher load capacity and operability.
- Excellent design
  Unique design with hollow wheel centre.Combination of smooth curve and black or chrome plating.
- Improved load capacity and operability
  Steel ball bearing improves load capacity and rotation smoothness.
- Wide range of applications
  Medical equipment, audio products, beauty equipment, wagons, chairs, travel bags, and displays, etc.

SELECTION GUIDE
CASTERS
BASES
LEVELING GLIDES
GLIDE BASES
FOR FURNITURE
FOR FACILITIES
FOR INDUSTRY

LAMP. DESIGN CASTER PLN50N Threaded Bolt Type

Latest Info

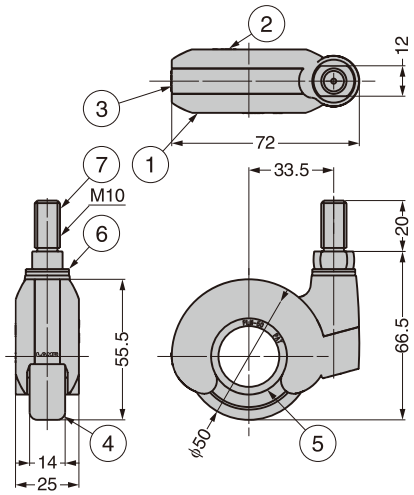


GOOD DESIGN

LOAD CAPACITY 785 N

Remarks

- Do not use it on a nonsmooth surface. Deformation, damage or wheel detachment may occur.
- The load capacities in the table below are static load values.



No.	Part Name	Material	Finish/Colour
①	Body (Right)	Zinc Alloy (ZDC)	As below.
②	Body (Left)		
③	Cover	POM	Dark Grey
④	Wheel	PA	Black
⑤	Inner Ring		Dark Grey
⑥	Mounting Plate	Stainless Steel (SUS304)	Barrel Polished
⑦	Threaded Bolt	Steel (SWCH)	Coloured Zinc Chromate

Item Code	Item Name	Finish/Colour (Body)	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-022-218	PLN50N10BL	Paint/Black	785	80	203	1	40
200-022-219	PLN50N10CR	Chrome				1	40

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

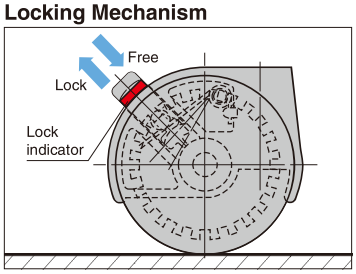
LAMP TWIN WHEEL CASTER F-SERIES



- Interior casters with smooth movement, excellent durability and smart design.
- Ideal for use on carpet etc.
- <Plate type>, <threaded bolt type> and <insert bolt type> available for different installation methods.
- All models are equipped with locking mechanism.
- Various types available for different purposes.

FAU55	Wheel dia. ϕ53 (Elastomer wheel)	Aluminium body
FPU55	Wheel dia. ϕ53 (Elastomer wheel)	Polyamide body
FA55	Wheel dia. ϕ53	Aluminium body
FP55	Wheel dia. ϕ53	Polyamide body
FA45	Wheel dia. ϕ47	Aluminium body
FP45	Wheel dia. ϕ47	Polyamide body

Locking Mechanism



LAMP TWIN WHEEL CASTER FP45N Threaded Bolt Type

Latest Info

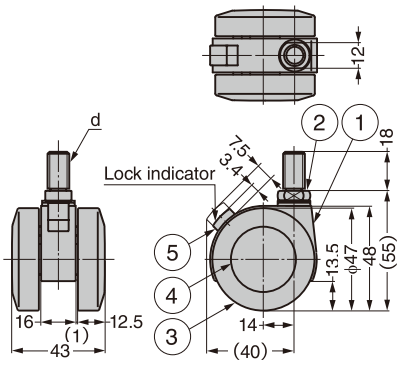


LOAD CAPACITY 392 N

- With red indicator to show locked state.

Remarks

- Push the stopper to handle. Red lock indicator means locked state.
- The load capacities in the table below indicate the loads when moving on a smooth surface.



Drawing above shows the model with brake.

Item Code	Item Name	Type	d	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-204	FP45N3SR	With Brake	W3/8	392	40	84	4	100
200-133-203	FP45N3R	Without Brake				79	4	100
200-133-206	FP45N10SR	With Brake	M10			84	4	100
200-133-205	FP45N10R	Without Brake				79	4	100

No.	Part Name	Material	Finish/Colour
①	Body	PA	Black
②	Threaded Bolt	Steel (SWCH)	Coloured Zinc Chromate
③	Wheel	PA	Black
④	Cover		
⑤	Stopper		Black, Red

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP TWIN WHEEL CASTER FP55N Threaded Bolt Type

Latest Info

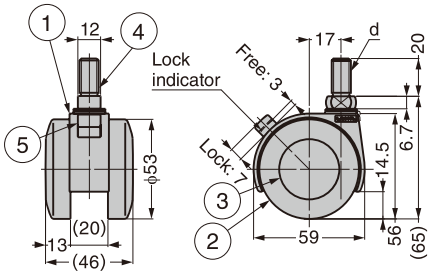


LOAD CAPACITY 490 N

- With red indicator to show locked state.

Remarks

- Push the stopper to handle. Red lock indicator means locked state.
- The load capacities in the table below indicate the loads when moving on a smooth surface.
- The threaded bolt has a dished dent at the upper end for N10 only.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	PA	Black
②	Wheel		
③	Cover		
④	Mounting Screw	Steel (SWCH)	Coloured Zinc Chromate
⑤	Stopper	PA	Black, Red

Item Code	Item Name	Type	d	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-270	FP55N10SR	With Brake	M10	490	50	126	4	72
200-133-275	FP55N10R	Without Brake				121	4	72

LAMP TWIN WHEEL CASTER FPU55N Threaded Bolt Type

Latest Info

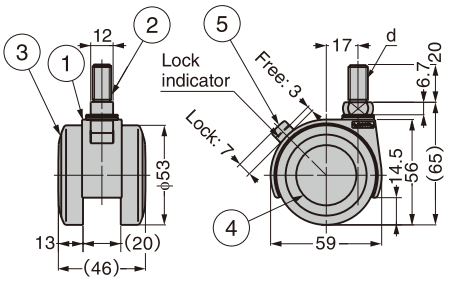


LOAD CAPACITY 490 N

- Wheels are coated in elastomer which absorbs vibration and gives an extra smooth and quiet movement.
- With red indicator to show locked state.

Remarks

- Push the stopper to handle.Red lock indicator means locked state.
- The load capacities in the table below indicate the loads when moving on a smooth surface.
- The threaded bolt has a dished dent at the upper end for N10 only.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	PA	Black
②	Threaded Bolt	Steel (SWCH)	Coloured Zinc Chromate
③	Wheel	PA + Elastomer (TPU)	Black
④	Cover	PA	
⑤	Stopper		Black + Red

Item Code	Item Name	Type	d	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-290	FPU55N10SR	With Brake	M10	490	50	128	4	72
200-133-295	FPU55N10R	Without Brake				123	4	72

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP WIN WHEEL CASTER FA45N Threaded Bolt Type

Latest Info

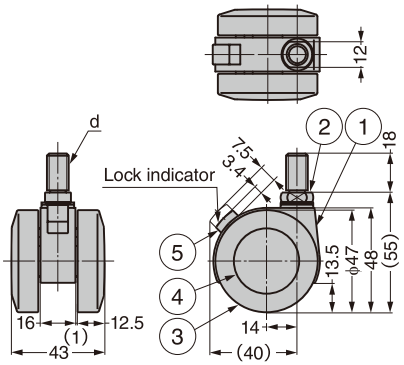


LOAD CAPACITY 490 N

- With red indicator to show locked state.

Remarks

- Push the stopper to handle. Red lock indicator means locked state.
- The load capacities in the table below indicate the loads when moving on a smooth surface.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy (ADC)	Silver Enamel Finish
②	Threaded Bolt	Steel (SWCH)	Coloured Zinc Chromate
③	Wheel	PA	Black
④	Cover		
⑤	Stopper		Black, Red

Item Code	Item Name	Type	d	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-211	FA45N3SR	With Brake	W3/8	490	50	100	4	100
200-133-210	FA45N3R	Without Brake				97	4	100
200-133-215	FA45N10SR	With Brake	M10			100	4	100
200-133-209	FA45N10R	Without Brake				97	4	100

LAMP TWIN WHEEL CASTER FA55N Threaded Bolt Type

Latest Info

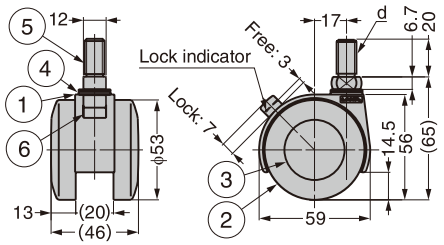


LOAD CAPACITY 784 N

- With red indicator to show locked state.

Remarks

- Push the stopper to handle.Red lock indicator means locked state.
- The load capacities in the table below indicate the loads when moving on a smooth surface.
- The threaded bolt has a dished dent at the upper end for N10 only.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy (ADC)	Silver Enamel Finish
②	Wheel	PA	Black
③	Cover		
④	Bush		
⑤	Mounting Screw Axis	Steel (SWCH)	Coloured Zinc Chromate
⑥	Stopper	PA	Black, Red

Item Code	Item Name	Type	d	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-260	FA55N10SR	With Brake	M10	784	80	152	4	72
200-133-265	FA55N10R	Without Brake				147	4	72

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP TWIN WHEEL CASTER FAU55N Threaded Bolt Type

Latest Info



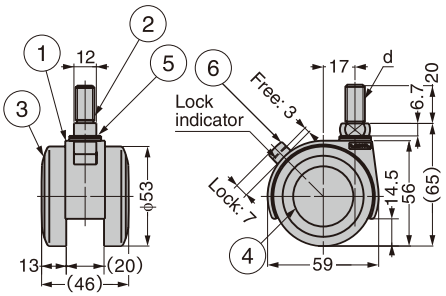
LOAD CAPACITY 686 N

- Wheels are coated in elastomer which absorbs vibration and gives an extra smooth and quiet movement.
- With red indicator to show locked state.

Remarks

- Push the stopper to handle. Red lock indicator means locked state.
- The load capacities in the table below indicate the loads when moving on a smooth surface.
- The threaded bolt has a dished dent at the upper end for N10 only.

Drawing below shows the model with brake.



No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy (ADC)	Silver Enamel Finish
②	Threaded Bolt	Steel (SWCH)	Coloured Zinc Chromate
③	Wheel	PA + Elastomer (TPU)	Black
④	Cover	PA	
⑤	Bush		
⑥	Stopper		Black + Red

Item Code	Item Name	Type	d	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-280	FAU55N10SR	With Brake	M10	686	70	155	4	72
200-133-285	FAU55N10R	Without Brake				151	4	72

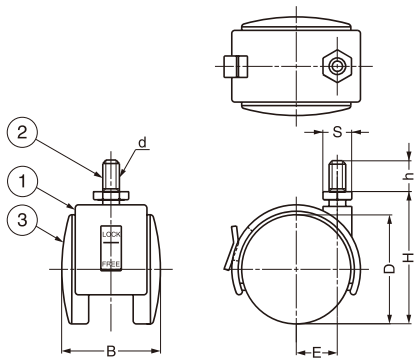
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

TWIN WHEEL CASTER BR Threaded Bolt Type

Latest Info



LOAD CAPACITY 294,392 N



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Black
②	Threaded Bolt	Steel (SWCH)	Clear Zinc Chromate
③	Wheel	Polyamide (PA)	Black

Item Code	Item Name	Type	D	H	h	B	E	S	d	Load Capacity N	Load Capacity kgf	Weight	Carton
200-132-026	BR-20N8S	With Brake	45	54	15	42	16	14	M8	294 N	30 kgf	79 g	200 pcs
200-132-020	BR-20N8	Without Brake	45	54	15	42	16	14	M8	294 N	30 kgf	69 g	200 pcs
200-132-036	BR-25N8S	With Brake	53	64	15	48	20	14	M8	392 N	40 kgf	117 g	150 pcs
200-132-030	BR-25N8	Without Brake	53	64	15	48	20	14	M8	392 N	40 kgf	106 g	150 pcs
200-132-037	BR-25N3S	With Brake	53	64	15	48	20	14	W3/8	392 N	40 kgf	119 g	150 pcs
200-132-031	BR-25N3	Without Brake	53	64	15	48	20	14	W3/8	392 N	40 kgf	108 g	150 pcs

TWIN WHEEL CASTER BU-25N Threaded Bolt Type

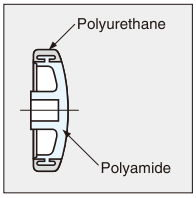
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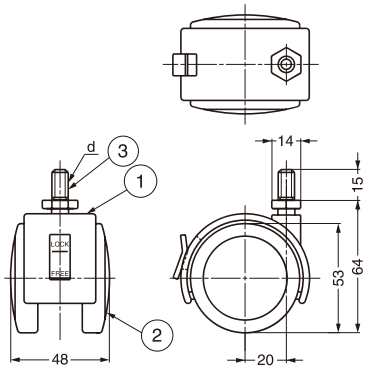


LOAD CAPACITY 392 N

- Wheels are coated in polyurethane which absorbs vibration and gives an extra smooth and quiet ride. Also, unlikely to slip.

Cross-section Drawing





Item Code	Item Name	Type	d	Load Capacity N	Load Capacity kgf	Weight	Carton
200-132-045	BU-25N8S	With Brake	M8	392 N	40 kgf	125 g	150 pcs
200-132-042	BU-25N8	Without Brake	M8	392 N	40 kgf	118 g	150 pcs
200-132-046	BU-25N3S	With Brake	W3/8	392 N	40 kgf	126 g	150 pcs
200-132-043	BU-25N3	Without Brake	W3/8	392 N	40 kgf	119 g	150 pcs

No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Black
②	Wheel	Polyamide (PA)	Black
②	Wheel	Polyurethane (PUR)	Black
③	Threaded Bolt	Steel	Clear Zinc Chromate

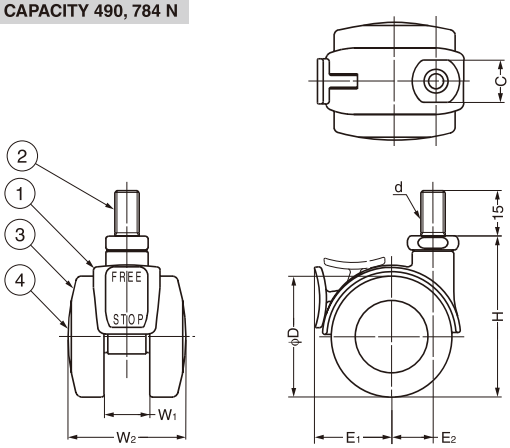
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

TWIN WHEEL CASTER DB, DS Threaded Bolt Type

Latest Info



LOAD CAPACITY 490, 784 N



Drawing above shows the model with brake.

Item Code	Item Name	Type	D	W1	W2	H	C	d	E1	E2	Load Capacity	Load Capacity	Weight	Carton
200-133-184	DB-40-3	With Brake	40.5	15	39.5	53.5	14	W3/8	27	12.5	490 N	50 kgf	120 g	120 pcs
200-132-504	DS-40-3	Without Brake	40.5	15	39.5	53.5	14	W3/8	23.5	12.5	490 N	50 kgf	107 g	120 pcs
200-943-860	DB-40-8	With Brake	40.5	15	39.5	53.5	14	M8	27	12.5	490 N	50 kgf	120 g	120 pcs
200-943-859	DS-40-8	Without Brake	40.5	15	39.5	53.5	14	M8	23.5	12.5	490 N	50 kgf	107 g	120 pcs
200-132-502	DB-40-10	With Brake	40.5	15	39.5	53.5	14	M10	27	12.5	490 N	50 kgf	120 g	120 pcs
200-132-501	DS-40-10	Without Brake	40.5	15	39.5	53.5	14	M10	23.5	12.5	490 N	50 kgf	107 g	120 pcs
200-132-508	DB-50-3	With Brake	50.5	18	46	67.5	17	W3/8	33.5	17	784 N	80 kgf	204 g	100 pcs
200-132-507	DS-50-3	Without Brake	50.5	18	46	67.5	17	W3/8	29	17	784 N	80 kgf	190 g	100 pcs
200-943-866	DB-50-8	With Brake	50.5	18	46	67.5	17	M8	33.5	17	784 N	80 kgf	204 g	100 pcs
200-943-865	DS-50-8	Without Brake	50.5	18	46	67.5	17	M8	29	17	784 N	80 kgf	190 g	100 pcs
200-943-868	DB-50-10	With Brake	50.5	18	46	67.5	17	M10	33.5	17	784 N	80 kgf	204 g	100 pcs
200-943-867	DS-50-10	Without Brake	50.5	18	46	67.5	17	M10	29	17	784 N	80 kgf	190 g	100 pcs

No.	Part Name	Material	Finish/Colour
①	Body	Zinc Alloy (ZDC)	Chrome
②	Threaded Bolt	Steel	Metric Screw Thread: Clear Zinc Chromate Inch Screw Thread: Yellow Zinc Chromate
③	Wheel	Polyamide (PA)	Black
④	Cover	Stainless Steel (SUS430)	–

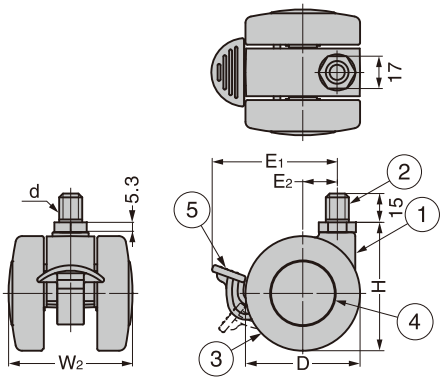
TWIN WHEEL CASTER JP Threaded Bolt Type

Latest Info



LOAD CAPACITY 490, 588 N

- Stable twin wheel structure provides smooth movement.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	PA	Black
②	Threaded Bolt	Steel	Coloured Zinc Chromate
③	Wheel	PA	Black
④	Cover	ABS	
⑤	Stopper Pedal	PA	

Item Code	Item Name	Type	D	E1	E2	H	W2	d	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-130-372	JPB-50BKT	With Brake	50	55	15	56	57	M10	490	50	126	100	–
200-130-371	JP-50BKT	Without Brake									121	100	–
200-130-376	JPB-60BKT	With Brake	60	66	18	67	65	M12×1.25	588	60	175	100	–
200-130-375	JP-60BKT	Without Brake									164	100	–

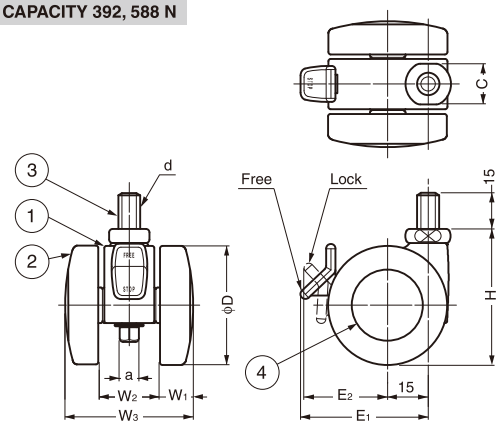
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

TWIN WHEEL CASTER NB, NS Threaded Bolt Type

Latest Info



LOAD CAPACITY 392, 588 N



No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Black
②	Wheel	Polyamide (PA)	Black
③	Threaded Bolt	Steel	Metric Screw Thread: Clear Zinc Chromate Inch Screw Thread: Yellow Zinc Chromate
④	Wheel Cap	Stainless Steel (SUS430)	Plain

Item Code	Item Name	Type	D	H	E_1	E_2	W_1	W_2	W_3	C	d	a	Load Capacity N	Load Capacity kgf	Weight	Carton
200-132-517	NB-40-3	With Brake	40	45	48	32	12	21	45	14	W3/8	7	392 N	40 kgf	76 g	200 pcs
200-132-511	NS-40-3	Without Brake	40	45	–	–	12	21	45	14	W3/8	7	392 N	40 kgf	73 g	200 pcs
200-943-844	NB-40-8	With Brake	40	45	48	32	12	21	45	14	M8	7	392 N	40 kgf	73 g	200 pcs
200-943-843	NS-40-8	Without Brake	40	45	–	–	12	21	45	14	M8	7	392 N	40 kgf	70 g	200 pcs
200-132-516	NB-40-10	With Brake	40	45	48	32	12	21	45	14	M10	7	392 N	40 kgf	76 g	200 pcs
200-132-503	NS-40-10	Without Brake	40	45	–	–	12	21	45	14	M10	7	392 N	40 kgf	76 g	200 pcs
200-132-513	NB-50-3	With Brake	50	58	52	36	14	25	53	17	W3/8	8	588 N	60 kgf	128 g	120 pcs
200-132-512	NS-50-3	Without Brake	50	58	–	–	14	25	53	17	W3/8	8	588 N	60 kgf	117 g	120 pcs
200-943-850	NB-50-8	With Brake	50	58	52	36	14	25	53	17	M8	8	588 N	60 kgf	121 g	120 pcs
200-943-849	NS-50-8	Without Brake	50	58	–	–	14	25	53	17	M8	8	588 N	60 kgf	115 g	120 pcs
200-943-852	NB-50-10	With Brake	50	58	52	36	14	25	53	17	M10	8	588 N	60 kgf	129 g	120 pcs
200-943-851	NS-50-10	Without Brake	50	58	–	–	14	25	53	17	M10	8	588 N	60 kgf	119 g	120 pcs

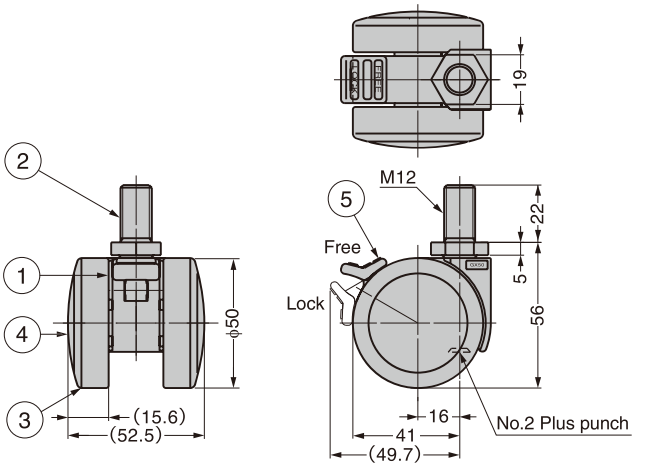
LAMP TWIN WHEEL CASTER GX50N12 Threaded Bolt Type

Latest Info



LOAD CAPACITY 980 N

- Stable twin wheel structure provides smooth movement and excellent durability.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy	Barrel Polished
②	Threaded Bolt	Steel	Coloured Zinc Chromate
③	Wheel	PA	Black
④	Cover		
⑤	Lever		

Item Code	Item Name	Type	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-175	GX50N12S	With Brake	980	100	175	4	72
200-133-174	GX50N12	Without Brake			170	4	72

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

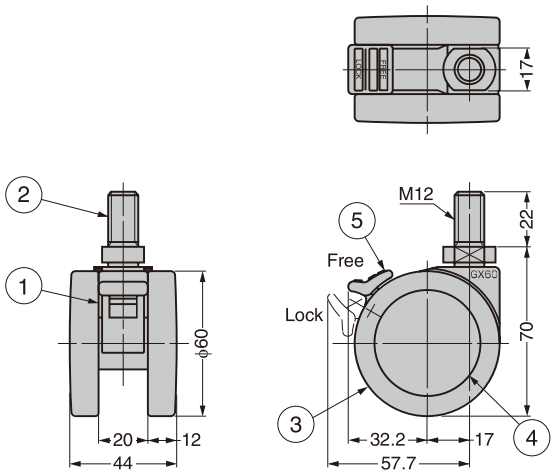
LAMP TWIN WHEEL CASTER GX60N12 Threaded Bolt Type

Latest Info



LOAD CAPACITY 1470 N

- Stable twin wheel structure provides smooth movement and excellent durability.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy (ADC)	Barrel Polished
②	Threaded Bolt	Steel (SWCH)	Coloured Zinc Chromate (Trivalent)
③	Wheel	PA	Black
④	Cover		
⑤	Lever		

Item Code	Item Name	Type	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-183	GX60N12S	With Brake	1470	150	185	4	60
200-133-182	GX60N12	Without Brake			180	4	60

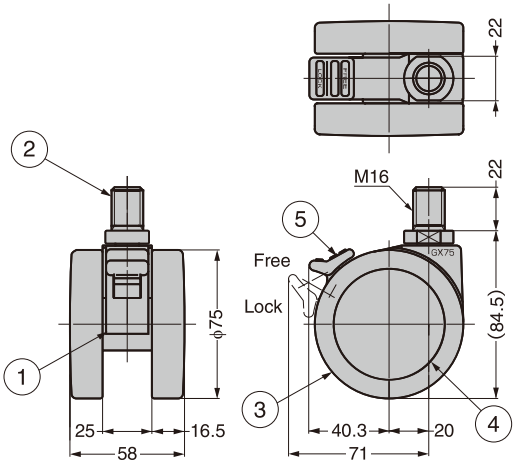
LAMP TWIN WHEEL CASTER GX75N16 Threaded Bolt Type

Latest Info



LOAD CAPACITY 1960 N

- Stable twin wheel structure provides smooth movement and excellent durability.



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy (ADC)	Barrel Polished
②	Threaded Bolt	Steel (SWCH)	Coloured Zinc Chromate
③	Wheel	PA	Black
④	Cover		
⑤	Lever		

Item Code	Item Name	Type	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-133-220	GX75N16S	With Brake	1960	200	350	2	24
200-133-219	GX75N16	Without Brake			340	2	24

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP TWIN WHEEL CASTER GX-W50GN Threaded Bolt Type

Latest Info

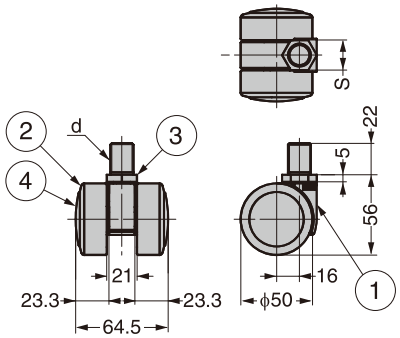


LOAD CAPACITY 1960 N

- Low profile and heavy duty. Ideal for OA equipment, etc.
- Stable twin wheel structure provides smooth movement and excellent durability.

Remarks

- The load capacities in the table below indicate the loads when moving on a smooth surface.



No.	Part Name	Material	Finish/Colour
①	Body	Aluminium Alloy	Barrel Polished
②	Wheel	POM	Black
③	Threaded Bolt	Steel (SWCH)	Coloured Zinc Chromate
④	Cover	PA	Black

Item Code	Item Name	d	S	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)	Box (pcs)	Carton (pcs)
200-130-028	GX-W50GN12	M12	19	1960	200	208	4	80
200-130-029	GX-W50GN16	M16	21			223	4	80

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

TWIN WHEEL CASTER BR Insert Bolt Type

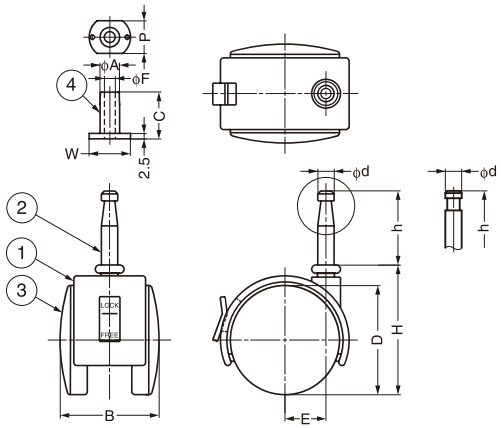
Latest Info



LOAD CAPACITY 294, 392 N

Parts Included

- Socket



No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Black
②	Insert Bolt	Steel	Clear Zinc Chromate
③	Wheel	Polyamide (PA)	Black
④	Socket	Polyethylene (PE)	–

Item Code	Item Name	Type	D	H	h	B	E	d	A	W	C	F	P	Load Capacity N	Load Capacity kgf	Weight	Carton
200-935-963	BR-20SS	With Brake	45	53	36	42	16	8	11.5	22	30	7	17	294 N	30 kgf	85 g	200 pcs
200-132-025	BR-20S	Without Brake	45	53	36	42	16	8	11.5	22	30	7	17	294 N	30 kgf	75 g	200 pcs
200-936-244	BR-25SS	With Brake	53	63	36	48	20	8	11.5	22	30	7	17	392 N	40 kgf	124 g	140 pcs
200-132-035	BR-25S	Without Brake	53	63	36	48	20	8	11.5	22	30	7	17	392 N	40 kgf	113 g	140 pcs

TWIN WHEEL CASTER BU-25S Insert Bolt Type

Latest Info

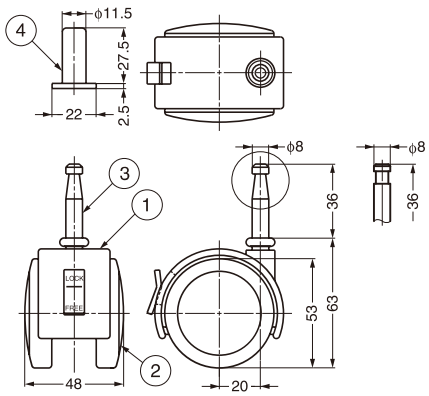


LOAD CAPACITY 392 N

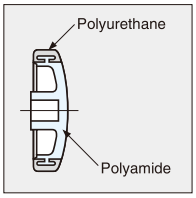
- Wheels are coated in polyurethane which absorbs vibration and gives an extra smooth and quiet ride. Also, unlikely to slip.

Parts Included

- Socket



Cross-section Drawing



No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Black
②	Wheel	Polyamide (PA)	Black
③	Wheel	Polyurethane (PUR)	Black
④	Insert Bolt	Steel	Clear Zinc Chromate
⑤	Socket	Polyethylene (PE)	–

Item Code	Item Name	Type	Load Capacity N	Load Capacity kgf	Weight	Carton
200-132-048	BU-25SS	With Brake	392 N	40 kgf	132 g	140 pcs
200-132-044	BU-25S	Without Brake	392 N	40 kgf	125 g	140 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

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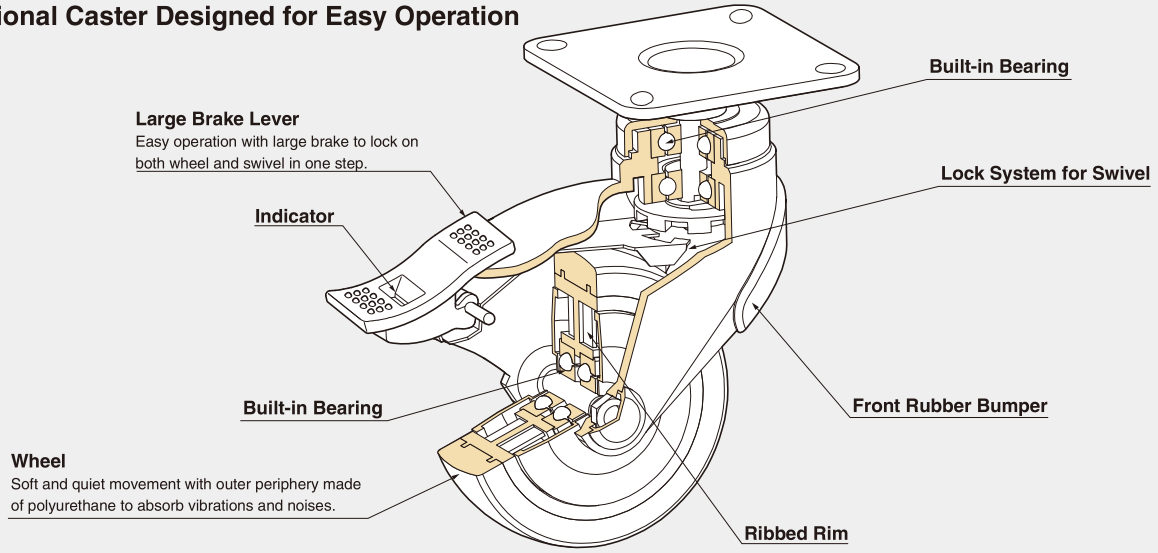
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LAMP DUAL BRAKE SYSTEM CASTER EX-100

Functional Caster Designed for Easy Operation



LAMP DUAL BRAKE SYSTEM CASTER EX-100P Plate Type

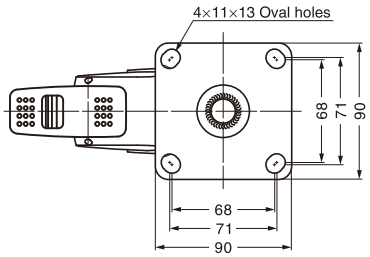
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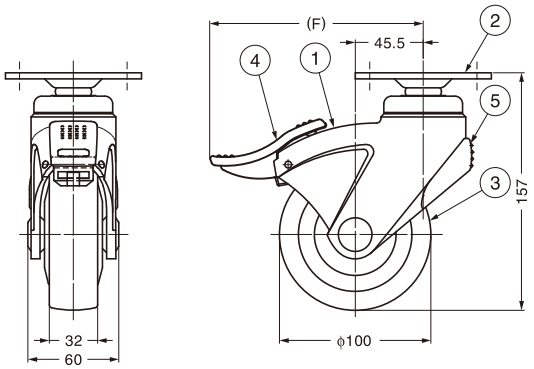


LOAD CAPACITY 980 N

- Distinctive brake indicator makes it easy to recognize.
- A single lever locks both the wheel swivel and rotation.
- The large brake lever and easy to recognize indicator make operation easy.
- Both the wheel and the pivot have built-in ball bearings, making rotation and swiveling very smooth.
- Front rubber bumper protects from impacts. Type without brake also has back rubber bumper to protect feet.

Feature





No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Light Grey
②	Plate	Steel	Gloss Chromate
③	Wheel	Polypropylene (PP)/Elastomer (TPE)	Dark Grey
④	Brake	Polyamide (PA)	Dark Grey
⑤	Rear Bumper	Elastomer (TPE)	Dark Grey

Item Code	Item Name	Type	F	Load Capacity N	Load Capacity kgf	Weight	Carton
200-132-735	EX-100PS	With Brake	139	980 N	100 kgf	899 g	20 pcs
200-132-734	EX-100P	Without Brake	105	980 N	100 kgf	867 g	20 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP DUAL BRAKE SYSTEM CASTER EX-100N Threaded Bolt Type

Latest Info

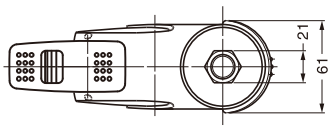


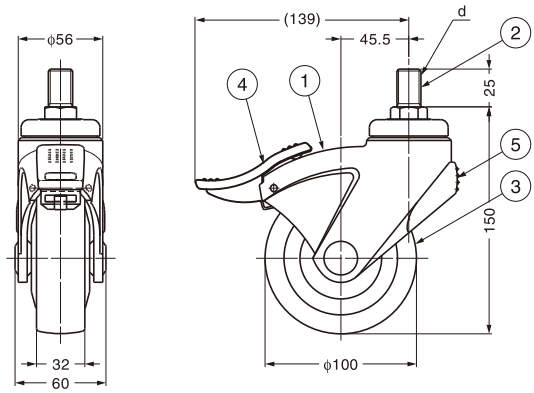
LOAD CAPACITY 980 N

- Distinctive brake indicator makes it easy to recognize.
- A single lever locks both the wheel swivel and rotation.
- The large brake lever and easy to recognize indicator make operation easy.
- Both the wheel and the pivot have built-in ball bearings, making rotation and swiveling very smooth.
- Front rubber bumper protects from impacts. Type without brake also has back rubber bumper to protect feet.

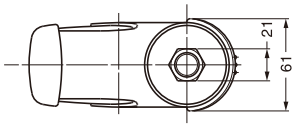
Feature

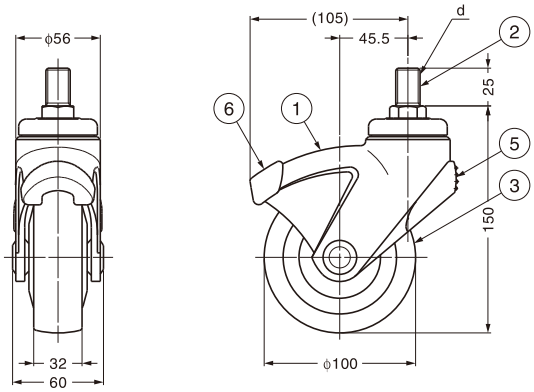
w/ Brake





w/o Brake





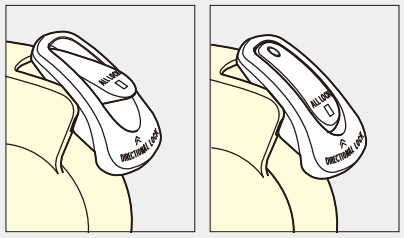
No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Light Grey
②	Threaded Bolt	Steel	Gloss Chromate
③	Wheel	Polypropylene (PP)/Elastomer (TPE)	Dark Grey
④	Brake	Polyamide (PA)	Dark Grey
⑤	Rear Bumper	Elastomer (TPE)	Dark Grey
⑥	Front Bumper	Elastomer (TPE)	Dark Grey

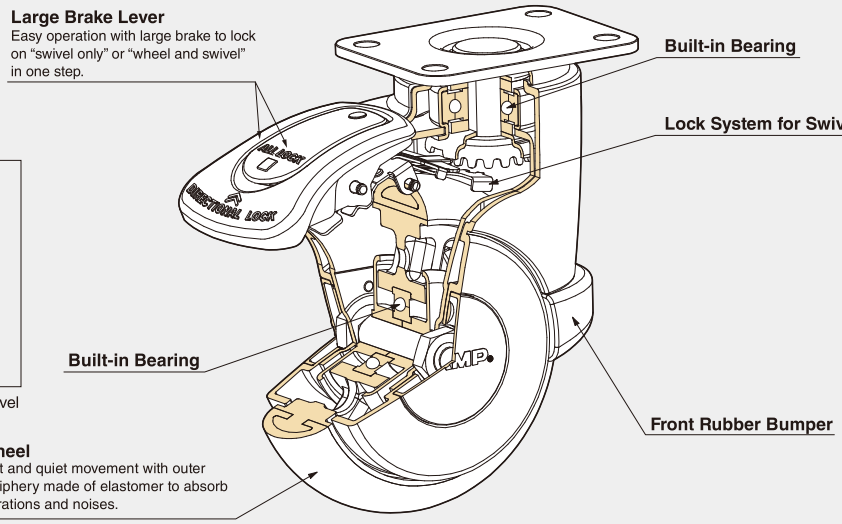
Item Code	Item Name	Type	d	Load Capacity N	Load Capacity kgf	Weight	Carton
200-132-736	EX-100N12S	With Brake	M12	980 N	100 kgf	785 g	20 pcs
200-132-730	EX-100N12	Without Brake	M12	980 N	100 kgf	647 g	20 pcs
200-132-733	EX-100N16S	With Brake	M16	980 N	100 kgf	698 g	20 pcs
200-132-732	EX-100N16	Without Brake	M16	980 N	100 kgf	661 g	20 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP DUAL BRAKE SYSTEM CASTER MX-125

Design with Excellent User-friendliness





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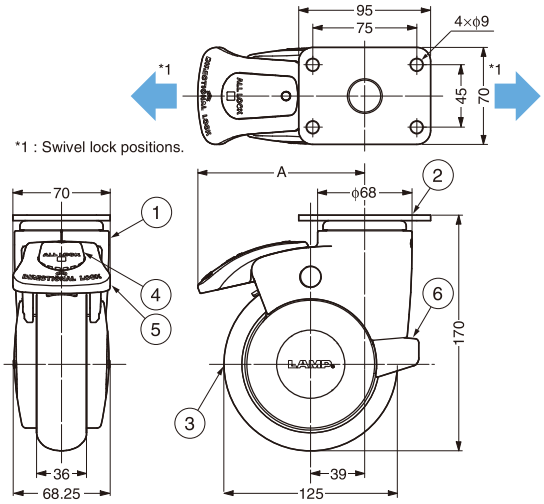
LAMP DUAL BRAKE SYSTEM CASTER MX-125P Plate Type

Latest Info



LOAD CAPACITY 1176 N

- Easy to use, multifunctional caster
- Great solution for hospitals, research facilities, medical diagnostic facilities, industrial machines and items that are moved frequently.
- One lever locks and unlocks the wheel's swivel. The other locks both the wheel's rotation and movement.
- The lever toggle for the lock is large and easy to use.
- By toggling the swivel lock on, can be used as a fixed wheel.
- Both the wheel and the pivot have built-in ball bearings, making rotation and swiveling very smooth.



No.	Part Name	Material	Finish/Colour
①	Body	Polypropylene (PP)	Light Grey
②	Plate	Steel	Clear Zinc Chromate
③	Wheel	Polyamide (PA)/Polyurethane (PUR)	Dark Grey
④	Brake	Polyamide (PA)	Dark Blue
⑤	Brake	Polyamide (PA)	Light Blue
⑥	Rear Bumper	Polyurethane (PUR)	Dark Grey

Item Code	Item Name	Type	A	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-130-053	MX-125PS	With Brake	120.5	1176 N	120 kgf	1441 g	2 pcs	8 pcs
200-130-052	MX-125P	Without Brake	101.5	1176 N	120 kgf	1355 g	2 pcs	8 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

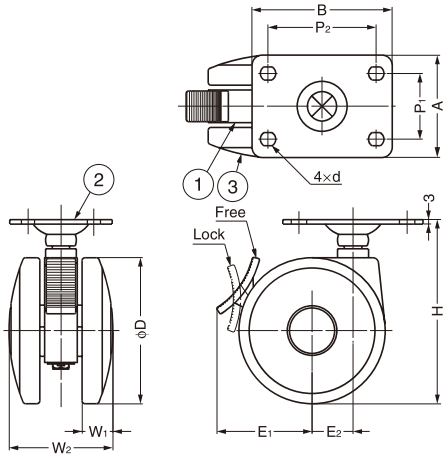
TWIN WHEEL CASTER T, TSD Plate Type

Latest Info



LOAD CAPACITY 784, 980 N

- Easily lock both rotation and wheel by stepping on a single lever.
- Wheels are coated in polyurethane which absorbs vibration and makes operation smooth and quiet.



No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Light Grey
②	Plate	Steel	Clear Zinc Chromate
③	Wheel	Polyamide (PA) + Polyurethane (PUR)	Light Grey

Item Code	Item Name	Type	D	W_1	W_2	H	A	B	P_1	P_2	E_1	E_2	d	Load Capacity N	Load Capacity kgf	Weight	Carton
200-130-167	TSD-75P	With Brake	76	19	61	94	58	70	42	55	45	21	ϕ8.5	784 N	80 kgf	340 g	60 pcs
200-130-166	T-75P	Without Brake	76	19	61	94	58	70	42	55	45	21	ϕ8.5	784 N	80 kgf	320 g	60 pcs
200-130-431	TSD-100P	With Brake	100	20	69	126.5	70	96	45	74	64	28	9×10.5	980 N	100 kgf	710 g	20 pcs
200-130-432	T-100P	Without Brake	100	20	69	126.5	70	96	45	74	64	28	9×10.5	980 N	100 kgf	700 g	20 pcs

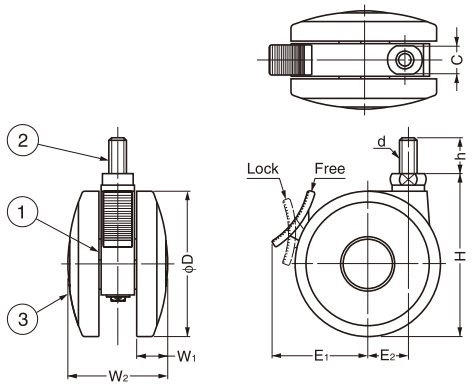
TWIN WHEEL CASTER T, TSD Threaded Bolt Type

Latest Info



LOAD CAPACITY 784, 980 N

- Easily lock both rotation and wheel by stepping on a single lever.
- Wheels are coated in polyurethane which absorbs vibration and makes operation smooth and quiet.



No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Light Grey
②	Threaded Bolt	Steel	Clear Zinc Chromate
③	Wheel	Polyamide (PA) + Polyurethane (PUR)	Light Grey

Item Code	Item Name	Type	D	W_1	W_2	H	h	E_1	E_2	C	d	Load Capacity N	Load Capacity kgf	Weight	Carton
200-130-169	TSD-75B	With Brake	76	19	61	86	20	45	21	17	M10	784 N	80 kgf	260 g	60 pcs
200-130-165	T-75B	Without Brake	76	19	61	86	20	45	21	17	M10	784 N	80 kgf	240 g	60 pcs
200-130-430	TSD-100B	With Brake	100	20	69	117.5	25	64	28	21	M12×1.25	980 N	100 kgf	565 g	20 pcs
200-130-168	T-100B	Without Brake	100	20	69	117.5	25	64	28	21	M12×1.25	980 N	100 kgf	555 g	20 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

STAINLESS STEEL CASTER SUS-SJ Plate Type

Latest Info



Picture above is a urethane wheel with built-in bearing.

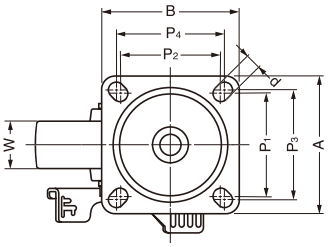
LOAD CAPACITY 490~1568 N

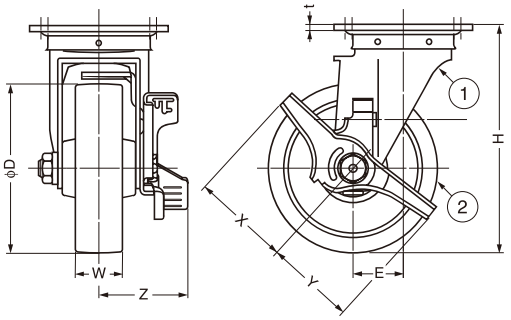
- Made of corrosion resistant 304 stainless steel. Ideal for humid environments, laboratories, kitchens etc.

SUS

Remarks

- Rubber wheel ϕ100, ϕ150 have metallic plate.






N: Polyamide wheel


NWB: Polyamide wheel (w/ Bearing)


UWB: Polyurethane wheel (w/ Bearing)


R: Rubber wheel


R: Rubber wheel (w/ Bearing)

No.	Material	Finish/Colour
①	Stainless Steel (SUS304)	Satin
②	Polyamide (PA)	As below
	Urethane	As below

Item Code	Item Name	Type	Wheel	Wheel Colour	D	W	H	E	A	B	P_1	P_2	P_3	P_4	d	t	X	Y	Z	Load Capacity	Load Capacity	Weight	Carton
200-134-216	SUS-SJ65-S-R	With Brake	Rubber	Black	65	25	85	29	70	58	55	42	–	–	8.8	2	38	37	45	490 N	50 kgf	380 g	40 pcs
200-134-218	SUS-SJ65-S-N	With Brake	Polyamide	White	65	25	85	29	70	58	55	42	–	–	8.8	2	38	37	45	686 N	70 kgf	320 g	40 pcs
200-134-220	SUS-SJ65-S-UWB	With Brake	Urethane (With Bearing)	Ivory/Dark Brown	65	25	85	29	70	58	55	42	–	–	8.8	2	38	37	45	686 N	70 kgf	340 g	40 pcs
200-134-215	SUS-SJ65-R	Without Brake	Rubber	Black	65	25	85	29	70	58	55	42	–	–	8.8	2	–	–	–	490 N	50 kgf	340 g	50 pcs
200-134-217	SUS-SJ65-N	Without Brake	Polyamide	White	65	25	85	29	70	58	55	42	–	–	8.8	2	–	–	–	686 N	70 kgf	280 g	50 pcs
200-134-219	SUS-SJ65-UWB	Without Brake	Urethane (With Bearing)	Ivory/Dark Brown	65	25	85	29	70	58	55	42	–	–	8.8	2	–	–	–	686 N	70 kgf	300 g	50 pcs
200-134-222	SUS-SJ75-S-R	With Brake	Rubber	Black	75	25	93	28	70	58	55	42	–	–	8.8	2	38	37	45	588 N	60 kgf	420 g	40 pcs
200-134-224	SUS-SJ75-S-N	With Brake	Polyamide	White	75	25	93	28	70	58	55	42	–	–	8.8	2	38	37	45	784 N	80 kgf	360 g	40 pcs
200-134-226	SUS-SJ75-S-UWB	With Brake	Urethane (With Bearing)	Ivory/Dark Brown	75	25	93	28	70	58	55	42	–	–	8.8	2	38	37	45	784 N	80 kgf	380 g	40 pcs
200-134-221	SUS-SJ75-R	Without Brake	Rubber	Black	75	25	93	28	70	58	55	42	–	–	8.8	2	–	–	–	588 N	60 kgf	370 g	50 pcs
200-134-223	SUS-SJ75-N	Without Brake	Polyamide	White	75	25	93	28	70	58	55	42	–	–	8.8	2	–	–	–	784 N	80 kgf	310 g	50 pcs
200-134-225	SUS-SJ75-UWB	Without Brake	Urethane (With Bearing)	Ivory/Dark Brown	75	25	93	28	70	58	55	42	–	–	8.8	2	–	–	–	784 N	80 kgf	320 g	50 pcs
200-134-228	SUS-SJ100-S-R	With Brake	Rubber	Grey	100	32	132	35	90	90	68	68	71	71	11	3	55	53	60	1176 N	120 kgf	1160 g	15 pcs
200-134-230	SUS-SJ100-S-RB	With Brake	Rubber (With Bearing)	Grey	100	32	132	35	90	90	68	68	71	71	11	3	55	53	60	1176 N	120 kgf	1200 g	15 pcs
200-134-232	SUS-SJ100-S-N	With Brake	Polyamide	White	100	32	132	35	90	90	68	68	71	71	11	3	55	53	60	1176 N	120 kgf	950 g	15 pcs
200-134-234	SUS-SJ100-S-NWB	With Brake	Polyamide (With Bearing)	White	100	32	132	35	90	90	68	68	71	71	11	3	55	53	60	1176 N	120 kgf	1030 g	15 pcs
200-134-236	SUS-SJ100-S-UWB	With Brake	Urethane (With Bearing)	Ivory/Dark Brown	100	32	132	35	90	90	68	68	71	71	11	3	55	53	60	1176 N	120 kgf	1070 g	15 pcs
200-134-231	SUS-SJ100-N	Without Brake	Polyamide	White	100	32	132	35	90	90	68	68	71	71	11	3	–	–	–	1176 N	120 kgf	820 g	15 pcs
200-134-233	SUS-SJ100-NWB	Without Brake	Polyamide (With Bearing)	White	100	32	132	35	90	90	68	68	71	71	11	3	–	–	–	1176 N	120 kgf	900 g	15 pcs
200-134-235	SUS-SJ100-UWB	Without Brake	Urethane (With Bearing)	Ivory/Dark Brown	100	32	132	35	90	90	68	68	71	71	11	3	–	–	–	1176 N	120 kgf	940 g	15 pcs
200-134-242	SUS-SJ125-S-NWB	With Brake	Polyamide (With Bearing)	White	125	35	168	38	102	102	75	75	80	80	11	4	70	67	65	1470 N	150 kgf	1510 g	6 pcs
200-134-244	SUS-SJ125-S-UWB	With Brake	Urethane (With Bearing)	Ivory/Dark Brown	125	35	168	38	102	102	75	75	80	80	11	4	70	67	65	1470 N	150 kgf	1590 g	6 pcs
200-134-243	SUS-SJ125-UWB	Without Brake	Urethane (With Bearing)	Ivory/Dark Brown	125	35	168	38	102	102	75	75	80	80	11	4	–	–	–	1470 N	150 kgf	1450 g	10 pcs
200-134-252	SUS-SJ150-S-UWB	With Brake	Urethane (With Bearing)	Ivory/Dark Brown	150	38	190	41	102	102	75	75	80	80	11	4	70	67	65	1568 N	160 kgf	1780 g	6 pcs
200-134-247	SUS-SJ150-RB	Without Brake	Rubber (With Bearing)	Grey	150	40	190	41	102	102	75	75	80	80	11	4	–	–	–	1568 N	160 kgf	1900 g	8 pcs
200-134-251	SUS-SJ150-UWB	Without Brake	Urethane (With Bearing)	Ivory/Dark Brown	150	38	190	41	102	102	75	75	80	80	11	4	–	–	–	1568 N	160 kgf	1650 g	8 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

STAINLESS STEEL CASTER SUS-SK Plate & Non-swivel Type

Latest Info



Urethane wheel with bearing shown.

LOAD CAPACITY 588~1568 N

- Non-swivel (Rigid) type.
- Made of corrosion resistant 304 stainless steel. Ideal for humid environments, laboratories, kitchens etc.

SUS

Remarks

- Rubber wheel ϕ100 have metallic plate.



N: Polyamide wheel



NWB: Polyamide wheel (w/ Bearing)

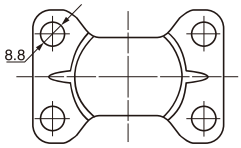


UWB: Polyurethane wheel (w/ Bearing)

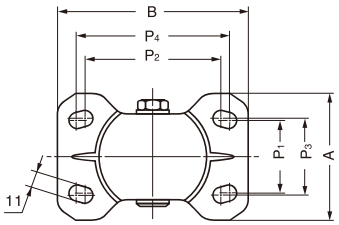


R: Rubber wheel

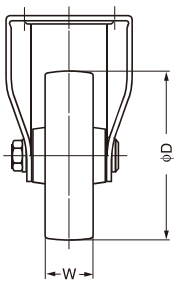
Mounting Hole

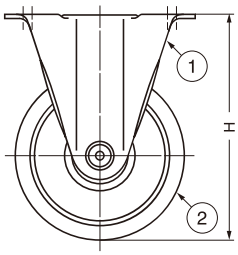


For ϕD 65·75 mm



For ϕD 100·125·150 mm





No.	Material	Finish/Colour
①	Stainless Steel (SUS304)	Satin
②	Polyamide (PA)	As below
	Urethane	As below

Item Code	Item Name	Wheel	Wheel Colour	D	W	H	A	B	P_1	P_2	P_3	P_4	Load Capacity	Load Capacity	Weight	Carton
200-134-255	SUS-SK65-N	Polyamide	White	65	25	85	47	70	28	55	–	–	686 N	70 kgf	160 g	50 pcs
200-134-257	SUS-SK65-UWB	Urethane (With Bearing)	Ivory/Dark Brown	65	25	85	47	70	28	55	–	–	686 N	70 kgf	180 g	50 pcs
200-134-259	SUS-SK75-R	Rubber	Black	75	25	93	47	70	28	55	–	–	588 N	60 kgf	260 g	50 pcs
200-134-261	SUS-SK75-N	Polyamide	White	75	25	93	47	70	28	55	–	–	784 N	80 kgf	200 g	50 pcs
200-134-263	SUS-SK75-UWB	Urethane (With Bearing)	Ivory/Dark Brown	75	25	93	47	70	28	55	–	–	784 N	80 kgf	220 g	50 pcs
200-134-265	SUS-SK100-R	Rubber	Grey	100	32	132	78	110	45	80	50	90	1176 N	120 kgf	780 g	15 pcs
200-134-269	SUS-SK100-N	Polyamide	White	100	32	132	78	110	45	80	50	90	1176 N	120 kgf	570 g	15 pcs
200-134-271	SUS-SK100-NWB	Polyamide (With Bearing)	White	100	32	132	78	110	45	80	50	90	1176 N	120 kgf	650 g	15 pcs
200-134-273	SUS-SK100-UWB	Urethane (With Bearing)	Ivory/Dark Brown	100	32	132	78	110	45	80	50	90	1176 N	120 kgf	690 g	15 pcs
200-134-279	SUS-SK125-NWB	Polyamide (With Bearing)	White	125	35	168	94	140	56	100	53	112	1470 N	150 kgf	1060 g	10 pcs
200-134-281	SUS-SK125-UWB	Urethane (With Bearing)	Ivory/Dark Brown	125	38	168	94	140	56	100	53	112	1470 N	150 kgf	1140 g	10 pcs
200-134-289	SUS-SK150-UWB	Urethane (With Bearing)	Ivory/Dark Brown	150	38	190	94	140	56	100	53	112	1568 N	160 kgf	1350 g	8 pcs

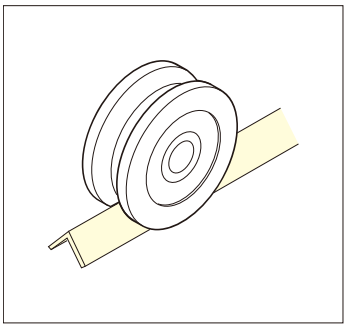
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

Suggested Options — LAMP SLIDING DOOR ROLLER JS, JC

- Heavy duty roller. Bearing is equipped to provide maximum smooth movement.
- Water resistance.
- Can be used outside.
- Ideal for gate.

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V Type



Load Capacity 3430 - 27440 N / 2 pcs (w/ Bracket)
350 - 2800 kgf / 2 pcs


All stainless steel
JS300


Steel
JC100

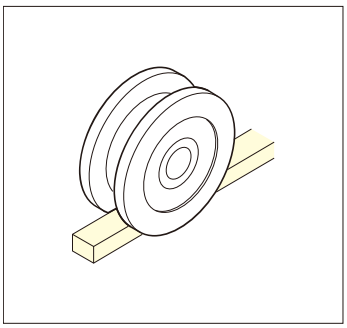
w/ Bracket


All stainless steel
JS310


Steel
JC110

w/o Bracket

U Type



Load Capacity 3430 - 27440 N / 2 pcs (w/ Bracket)
350 - 2800 kgf / 2 pcs


All stainless steel
JS365

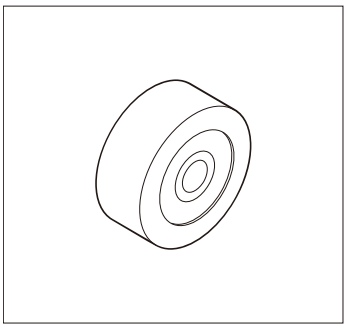

Steel
JC135 (Made-to-order)

w/ Bracket


All stainless steel
JS380

w/o Bracket

Flat Type



Load Capacity 3430 - 27440 N / 2 pcs (w/ Bracket)
350 - 2800 kgf / 2 pcs


All stainless steel
JS375

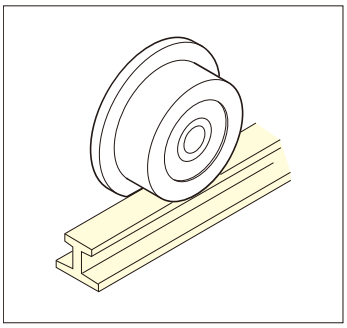

Steel
JC140 (Made-to-order)

w/ Bracket


All stainless steel
JS385

w/o Bracket

L Type



Load Capacity 6370 - 27440 N / 2 pcs (w/ Bracket)
650 - 2800 kgf / 2 pcs


All stainless steel
JS315


Steel
JC115 (Made-to-order)

w/ Bracket


All stainless steel
JS325

w/o Bracket

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

BALL CASTER BM Surface Mount Type

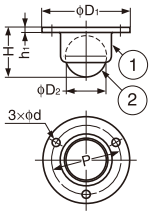
Latest Info



LOAD CAPACITY 98~392 N

Remarks

- Do not use it on a vertical surface.



No.	Part Name	Material	Finish
①	Body	Steel	Brass
②	Ball	Steel	Polished

Item Code	Item Name	D1	D2	H	P	h1	d	Load Capacity		Weight	Box	Carton
200-013-982	BM-12	28.9	11.9	15.2	21.8	1.7	2.5	98 N	10 kgf	9 g	100 pcs	800 pcs
200-013-983	BM-15	33.7	14.3	19.3	26.6	2.1	2.8	118 N	12 kgf	31.5 g	8 pcs	400 pcs
200-133-020	BM-20	37	17.5	23	29.5	3	2.7	147 N	15 kgf	52 g	8 pcs	400 pcs
200-133-021	BM-25	44	22.2	27	36	3.2	2.8	245 N	25 kgf	93 g	4 pcs	200 pcs
200-133-022	BM-32	57	25.4	32	47	3.2	4.7	392 N	40 kgf	150 g	4 pcs	200 pcs

BALL CASTER BH Recessed Mount Type

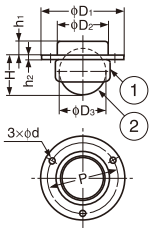
Latest Info



LOAD CAPACITY 98~196 N

Remarks

- Do not use it on a vertical surface.



No.	Part Name	Material	Finish
①	Body	Steel	Brass
②	Ball	Steel	Polished

Item Code	Item Name	D1	D2	D3	H	h1	P	h2	d	Load Capacity		Weight	Box	Carton
200-133-030	BH-20	30	18.3	17.5	16	5	24	1.6	2	98 N	10 kgf	35 g	8 pcs	400 pcs
200-133-031	BH-25	41	24.7	22.2	19.5	6	36	2.3	2.6	147 N	15 kgf	73 g	4 pcs	200 pcs
200-133-032	BH-32	48	29.3	25.4	24.5	6	41	2.3	2.6	196 N	20 kgf	113 g	4 pcs	200 pcs

MINI BALL CASTER BHB-12 Recessed Mount Type

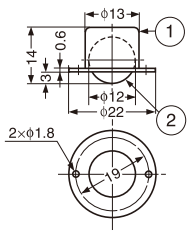
Latest Info



LOAD CAPACITY 78.4 N

Remarks

- Do not use it on a vertical surface.



No.	Part Name	Material	Finish
①	Body	Steel	Clear Zinc Chromate
②	Ball	Steel	Polished

Item Code	Item Name	Load Capacity		Weight	Box	Carton
200-133-040	BHB-12	78.4 N	8 kgf	11 g	100 pcs	2,000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP PLASTIC CASTER

High Corrosion Resistance
- Light and tough.
- Excellent resistance against water, chemicals and rust.
- No need of oil maintenance.

Ball Type Caster
- Allows for better control and efficient use of space unlike ordinary casters.

Easy Installation
- Both surface mount type and mortise mount type are available.

Unique and Various Application
- Can be used as conveyor belt when installed the ball up.

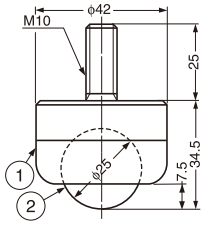
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LAMP PLASTIC CASTER NT Threaded Bolt Type

Latest Info



LOAD CAPACITY 245 N
- Inbuilt ball is made of steel.



No.	Part Name	Material	Colour
①	Body	Polyamide (PA)	Brown
②	Ball	Melamine Resin (MF)	Ivory

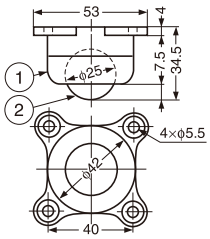
Item Code	Item Name	Load Capacity		Weight	Box	Carton
200-133-010	NT-25	245 N	25 kgf	58 g	20 pcs	200 pcs

LAMP PLASTIC CASTER NS Surface Mount Type

Latest Info



LOAD CAPACITY 245 N
- Inbuilt ball is made of steel.



No.	Part Name	Material	Colour
①	Body	Polyamide (PA)	Brown
②	Ball	Melamine Resin (MF)	Ivory

Item Code	Item Name	Load Capacity		Weight	Box	Carton
200-130-422	NS-25	245 N	25 kgf	43 g	20 pcs	200 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

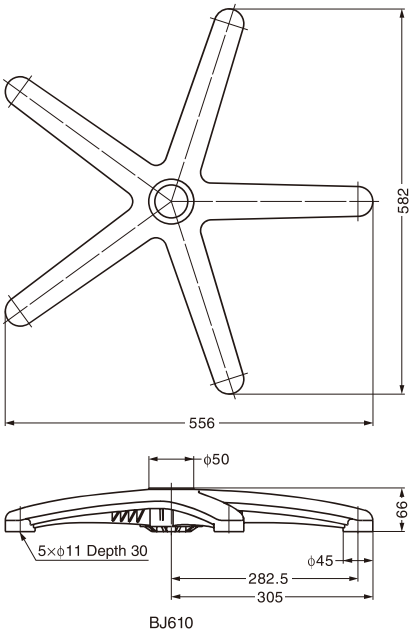
BASE BJ610

Latest Info



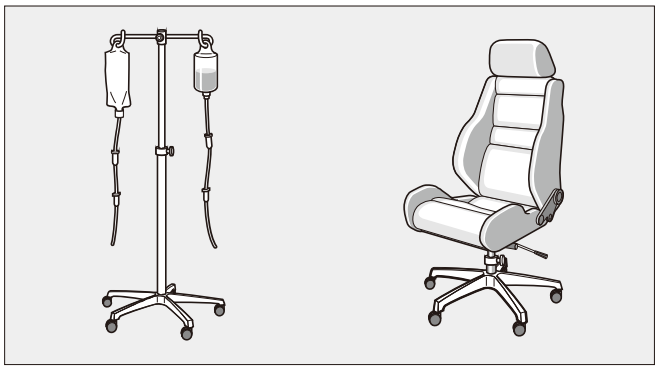
- Polyamide body resistances to chemicals.
- For ϕ50.8 pipe.
- Can be used for ϕ25, ϕ32, ϕ38 pipe with optional spacer (HOS) & optional fixing plate (HOS-Z).

Remarks
- Screws not included.



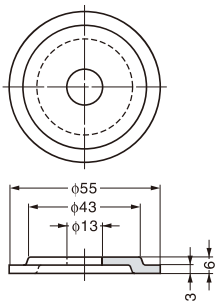
BJ610

Application Example

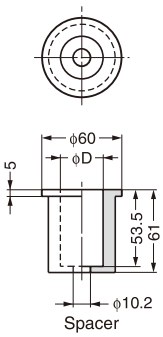


Spacer (Optional Parts)





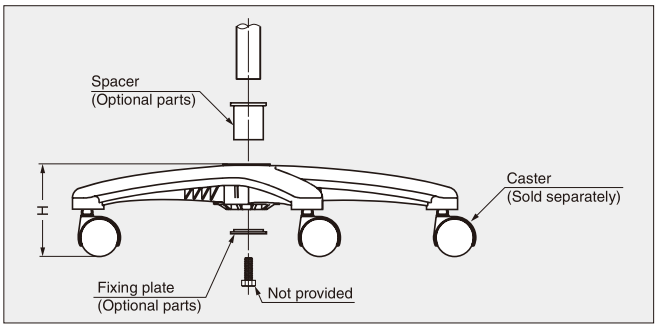
Fixing plate (HOS-Z)



Spacer


Caster (Sold separately)

Installation



Base

Item Code	Item Name	Material	Colour	Weight	Carton
200-881-319	BJ610	Reinforced Nylon	Dark Grey	1.8 kg	10 pcs

Spacer (Optional Parts)

Item Code	Item Name	Material	Colour	D	Weight	Carton
200-881-320	HOS-25	Polyamide (PA)	Black	25	102 g	100 pcs
200-881-321	HOS-32	Polyamide (PA)	Black	32	85 g	100 pcs
200-881-322	HOS-38	Polyamide (PA)	Black	38	62 g	100 pcs

Fixing Plate (Optional Parts) for Spacer

Item Code	Item Name	Material	Finish	Weight	Carton
200-881-323	HOS-Z	Stainless Steel (SUS304)	Polished	50 g	250 pcs

Caster (Sold Separately)

Item Code	Item Name	Material	Colour	Wheel Dia.	H	Weight	Carton
200-881-324	CTW38	Polyamide (PA)/ Urethane	Black	ϕ50	126	119 g	100 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

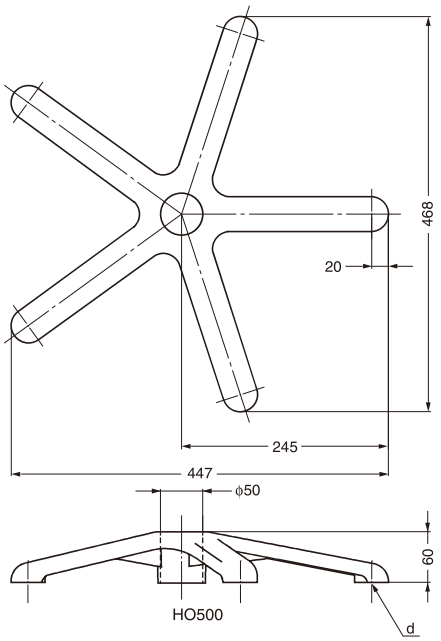
BASE HO500



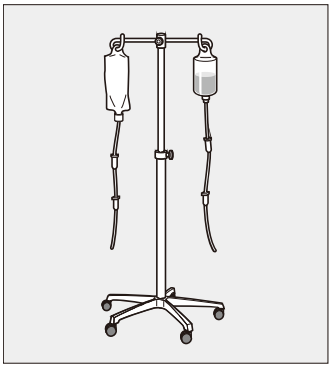
- Light and tough aluminium body.
- For ϕ50.8 pipe.
- Can be used for ϕ25, ϕ32, ϕ38 pipe with optional spacer (HOS) & optional fixing plate (HOS-Z).

Remarks

- Do not use for chairs with backrest.
- When using a spacer, fix it with fixing plate and screw from the bottom of the body. (Screw not included.)
- The form of spacer is tapered. Please use a hammer to press and fit the spacer as necessary.

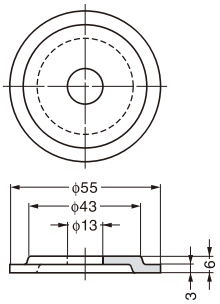


Application Example

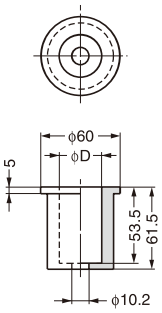


Spacer (Optional Parts)





Fixing plate (HOS-Z)

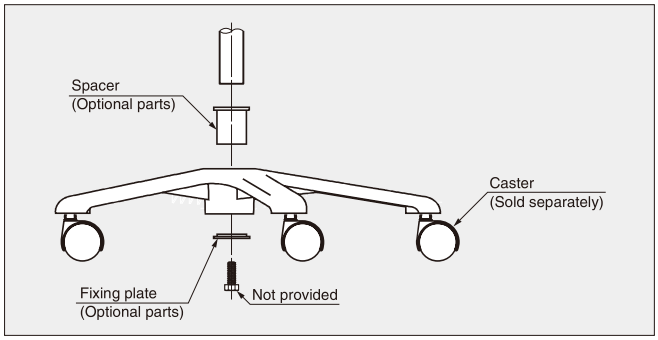


Spacer



Caster (Sold separately)

Installation



Base

Item Code	Item Name	d	Material	Finish	Weight	Carton
200-881-326	HO500N3	W3/8	Aluminium Alloy	Mirror	1.3 kg	5 pcs
200-025-048	HO500M10	M10	Aluminium Alloy	Mirror	1.3 kg	5 pcs

Spacer (Optional Parts)

Item Code	Item Name	Material	Colour	D	Weight	Carton
200-881-320	HOS-25	Polyamide (PA)	Black	25.7	102 g	100 pcs
200-881-321	HOS-32	Polyamide (PA)	Black	32.5	85 g	100 pcs
200-881-322	HOS-38	Polyamide (PA)	Black	38.6	62 g	100 pcs

Fixing Plate (Optional Parts) for Spacer

Item Code	Item Name	Material	Finish	Weight	Carton
200-881-323	HOS-Z	Stainless Steel (SUS304)	Polished	50 g	250 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP SWAY-FOOT LEVELLING GLIDE MDSF

Latest Info



LOAD CAPACITY 2000~7500 N

- Suitable for server racks, precision instruments, medical equipment, cabinets and furniture, etc.
- The base isolation structure absorbs vibrations and shocks.
- Reduces installation cost.
- Reduces the risk of falling furniture or equipment.
- Can be used on raised floor.
- Applied to server systems of major manufacturers.
- Sold in set of 4 pcs.
- Bolt lengths and screw diameters can be made to order.

INSTRUCTION

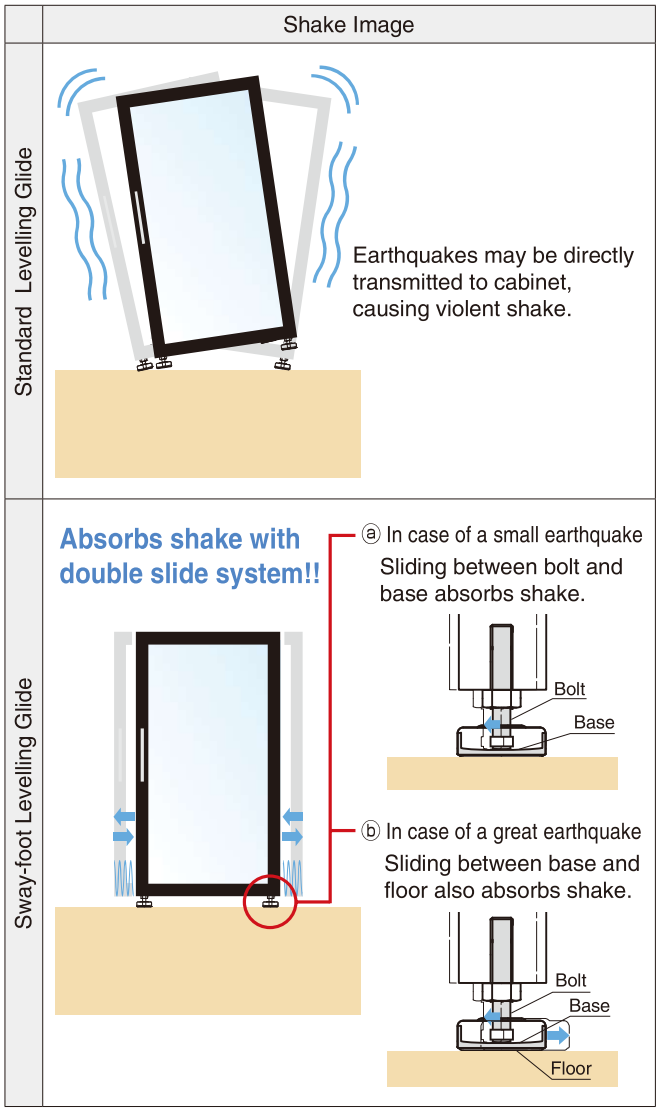
Applications

- Server racks, medical equipment, semiconductor manufacturing equipment, measuring instruments, fixtures for school facilities, kitchen appliances, furniture, fixtures for works of art, and other precision instruments, etc.

Remarks

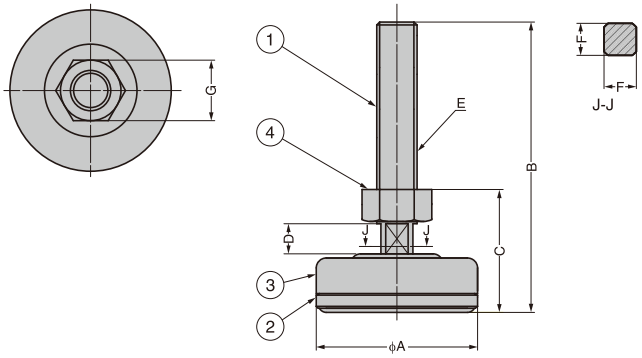
- Keep 30cm or above away from structures and places with large flow of people.
- Use on a level floor.
- When installing the bolt to a cabinet, ensure that it is perpendicular to the base.
- The cabinet supported by this product may move during earthquake, depending on how the earthquake shakes.
- Do not touch the sliding surface as it is coated with lubricant.

Comparison with Standard Levelling Glides



Parts Structure (For 1 pc)





No.	Part Name	Material	Finish
①	Threaded Bolt*	Steel	Nickel
②	Base	Steel/Teflon	
③	Cover	Nitrile Rubber (NBR)	–
④	Hex Nut	Steel	Clear Zinc Chromate (Trivalent)

*M10 and M16 types will not have a hole on the bolt tip when the current stock runs out.

Item Code	Item Name	A	B	C	D	E	F	G	Max. Size	Load Capacity N/4 pcs	Load Capacity kgf/4 pcs	Weight (g)	Box (sets)	Carton (sets)
200-014-807	MDSF58-10-40	58	65.5	34.5	7.5	M10	8	17	W410×D630×H390	2000	204	180	1	–
200-014-805	MDSF58-16-80		114	48	10.5	M16	13	24	W730×D730×H1460	5000	510	300	1	–
200-014-806	MDSF80-20-100	80	144	61	15	M20	16	30	W1000×D1000×H2000	7500	765	580	1	–

4 pcs make a set.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

SELF-LEVELING GLIDE SAJ

Latest Info



LOAD CAPACITY 490 N

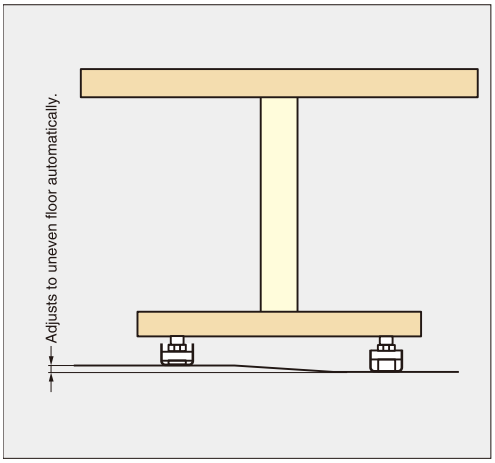
- Gel inside adjusts automatically to uneven floor.
- Self adjustment up to 3 mm or 6 mm.
- Suited for environments between –20˚C and 75˚C.

SAJ-WRENCH (Sold Separately)

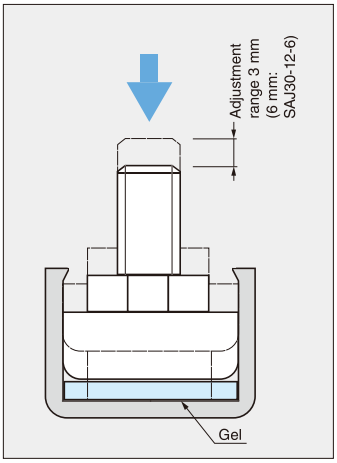


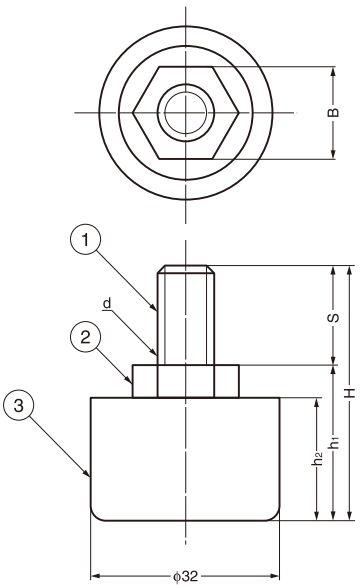
Wrench (Sold Separately)				
Type	Item Code	Item Name	Nominal	Thickness
A	200-140-390	SAJ10	10	1.6
B	200-140-391	SAJ13	13	2.0
C	200-140-392	SAJ14	14	2.0
D	200-140-393	SAJ17	17	2.2

Installation



Self Adjustment





No.	Part Name	Material	Finish/Colour
①	Threaded Bolt	Steel (SWCH)	*Yellow Zinc Chromate/SAJ30-10 *Clear Zinc Chromate/SAJ30-12
②	Hex Nut		
③	Cover	Polyethylene (PE)	Black

*The finishes will be clear zinc chromate (trivalent) when the current stock runs out.

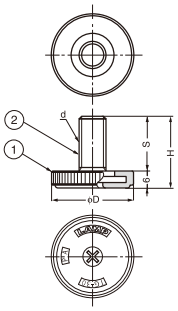
Item Code	Item Name	Wrench	d	H	h_1	h_2	S	B	Load Capacity		Appropriate Table Weight 4 pcs	Appropriate Table Weight 5 pcs	Appropriate Table Weight 6 pcs	Weight	Box	Carton
200-149-309	SAJ30-10N2.5	C	W5/16	33	24	19	9	14	490 N	50 kgf	7 - 12 kg	8 - 15 kg	10 - 18 kg	26 g	40 pcs	400 pcs
200-149-308	SAJ30-10N3	D	W3/8	37	25	19	12	17	490 N	50 kgf	7 - 12 kg	8 - 15 kg	10 - 18 kg	36 g	40 pcs	400 pcs
200-149-307	SAJ30-10M6	A	M6	34	24	19	10	10	490 N	50 kgf	7 - 12 kg	8 - 15 kg	10 - 18 kg	21 g	40 pcs	400 pcs
200-149-306	SAJ30-10M8	B	M8	33	24	19	9	13	490 N	50 kgf	7 - 12 kg	8 - 15 kg	10 - 18 kg	25 g	40 pcs	400 pcs
200-149-305	SAJ30-10M10	D	M10	37	26	19	11	17	490 N	50 kgf	7 - 12 kg	8 - 15 kg	10 - 18 kg	38 g	40 pcs	400 pcs
200-149-304	SAJ30-12N2.5	C	W5/16	33	24	19	9	14	490 N	50 kgf	12 - 24 kg	15 - 30 kg	18 - 36 kg	26 g	40 pcs	400 pcs
200-149-303	SAJ30-12N3	D	W3/8	37	25	19	12	17	490 N	50 kgf	12 - 24 kg	15 - 30 kg	18 - 36 kg	36 g	40 pcs	400 pcs
200-149-302	SAJ30-12M6	A	M6	34	24	19	10	10	490 N	50 kgf	12 - 24 kg	15 - 30 kg	18 - 36 kg	21 g	40 pcs	400 pcs
200-149-301	SAJ30-12M8	B	M8	33	24	19	9	13	490 N	50 kgf	12 - 24 kg	15 - 30 kg	18 - 36 kg	25 g	40 pcs	400 pcs
200-149-300	SAJ30-12M10	D	M10	37	26	19	11	17	490 N	50 kgf	12 - 24 kg	15 - 30 kg	18 - 36 kg	38 g	40 pcs	400 pcs
200-140-105	SAJ30-12-6N2.5	C	W5/16	42	31	24	11	14	490 N	50 kgf	12 - 24 kg	15 - 30 kg	18 - 36 kg	29 g	40 pcs	400 pcs
200-140-104	SAJ30-12-6N3	D	W3/8	42	31	24	11	17	490 N	50 kgf	12 - 24 kg	15 - 30 kg	18 - 36 kg	39 g	40 pcs	400 pcs
200-140-103	SAJ30-12-6M6	A	M6	44	32	24	12	10	490 N	50 kgf	12 - 24 kg	15 - 30 kg	18 - 36 kg	29 g	40 pcs	400 pcs
200-140-102	SAJ30-12-6M8	B	M8	42	32	24	10	13	490 N	50 kgf	12 - 24 kg	15 - 30 kg	18 - 36 kg	22 g	40 pcs	400 pcs
200-140-101	SAJ30-12-6M10	D	M10	41	31	24	10	17	490 N	50 kgf	12 - 24 kg	15 - 30 kg	18 - 36 kg	41 g	40 pcs	400 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP LEVELING GLIDE TG

Latest Info





LOAD CAPACITY 343~1764 N

- Models with a grippy ethylene vinyl acetate (EVA) base to prevent slipping are newly launched (with "GP" in the item name).
- Thin type of leveling glide.
- Knurled rim for easy adjustment.

TEST METHOD 14

Remarks

- For products with "GP" in the item name, the base is made of non-slip material. To prevent scraping or peeling off, please do not forcibly drag.



No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Dark Grey, White
②	Threaded Bolt	Steel	Yellow Zinc Chromate

Feature

Item Code	Item Name	Colour	d	D	H	S	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-140-240	TG-20	Dark Grey	M8	20	21	15	980 N	100 kgf	11 g	120 pcs	720 pcs
200-936-848	TG-20WT	White	M8	20	21	15	980 N	100 kgf	11 g	120 pcs	720 pcs
200-035-374	TG-20GP-BL	Black	M8	20	21	15	343 N	35 kgf	11 g	120 pcs	720 pcs
200-035-375	TG-20GP-WT	White	M8	20	21	15	343 N	35 kgf	11 g	120 pcs	720 pcs
200-142-501	TG-30	Dark Grey	M10	30	26	20	1470 N	150 kgf	25 g	100 pcs	600 pcs
200-936-849	TG-30WT	White	M10	30	26	20	1470 N	150 kgf	25 g	100 pcs	600 pcs
200-035-376	TG-30GP-BL	Black	M10	30	26	20	980 N	100 kgf	25 g	100 pcs	600 pcs
200-035-377	TG-30GP-WT	White	M10	30	26	20	980 N	100 kgf	25 g	100 pcs	600 pcs
200-142-520	TG-40	Dark Grey	M10	40	26	20	1764 N	180 kgf	36 g	60 pcs	360 pcs
200-936-850	TG-40WT	White	M10	40	26	20	1764 N	180 kgf	36 g	60 pcs	360 pcs
200-035-378	TG-40GP-BL	Black	M10	40	26	20	687 N	70 kgf	36 g	60 pcs	360 pcs
200-035-379	TG-40GP-WT	White	M10	40	26	20	687 N	70 kgf	36 g	60 pcs	360 pcs

LAMP LEVELING GLIDE TN

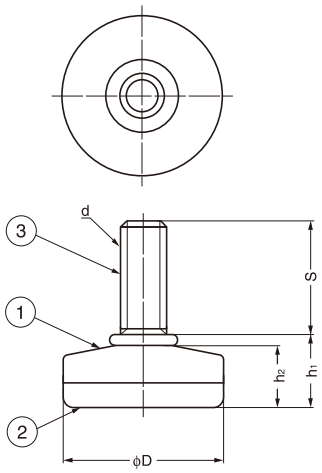
Latest Info



LOAD CAPACITY 784, 980 N

- Leveling glide with plastic base to prevent from scratching the floor.

TEST METHOD 14



No.	Part Name	Material	Finish/Colour
①	Body	Steel	Chrome
②	Base	Polypropylene (PP)	Natural
③	Threaded Bolt	Steel	Yellow Zinc Chromate

Item Code	Item Name	d	D	h_1	h_2	S	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-140-246	TN-25	M8	25	15	12	25	784 N	80 kgf	20 g	100 pcs	1,000 pcs
200-140-247	TN-35	M10	35	16.5	13.5	25	980 N	100 kgf	30 g	50 pcs	500 pcs
200-140-248	TN-45	M10	43.5	16.5	13.5	32	980 N	100 kgf	40 g	40 pcs	400 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP LEVELING GLIDE MN

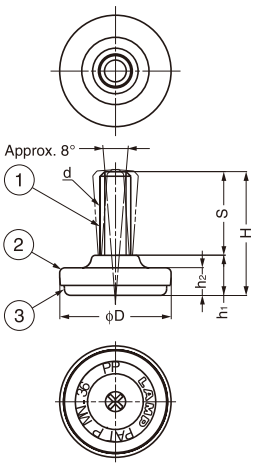
Latest Info



LOAD CAPACITY 1176, 1568 N

- Leveling glide with plastic base to prevent from scratching the floor.
- Swivels approximately 8˚to compensate for uneven floors.

TEST METHOD 14



No.	Part Name	Material	Finish/Colour
①	Threaded Bolt	Steel	Chrome
②	Cover	Stainless Steel (SUS304)	–
③	Base	Polypropylene (PP)	Natural

Item Code	Item Name	d	D	H	h_1	h_2	S	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-140-401	MN-25M8	M8	25	40	13	9	27	1176 N	120 kgf	26 g	100 pcs	600 pcs
200-140-400	MN-25N2.5	W5/16	25	40	13	9	27	1176 N	120 kgf	26 g	100 pcs	600 pcs
200-140-403	MN-32M10	M10	32	40	13	9	27	1568 N	160 kgf	34 g	80 pcs	480 pcs
200-140-402	MN-32N3	W3/8	32	40	13	9	27	1568 N	160 kgf	34 g	80 pcs	480 pcs
200-140-405	MN-36M10	M10	36	40	13	9	27	1568 N	160 kgf	39 g	60 pcs	360 pcs
200-140-404	MN-36N3	W3/8	36	40	13	9	27	1568 N	160 kgf	39 g	60 pcs	360 pcs
200-140-407	MN-40M10	M10	40	40	13	9	27	1568 N	160 kgf	42 g	50 pcs	300 pcs
200-140-406	MN-40N3	W3/8	40	40	13	9	27	1568 N	160 kgf	42 g	50 pcs	300 pcs
200-140-409	MN-50M12	M12	50	50	16	11	34	1568 N	160 kgf	77 g	20 pcs	120 pcs
200-140-408	MN-50N4	W1/2	50	50	16	11	34	1568 N	160 kgf	77 g	20 pcs	120 pcs

LAMP LEVELING GLIDE RA

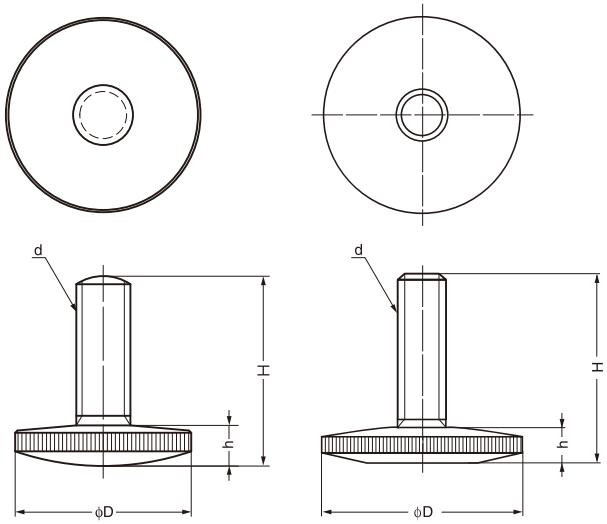
Latest Info



LOAD CAPACITY 784~2352 N

- Knurled rim for easy adjustment.

TEST METHOD 14



RA-25, 50 RA-30, 40

Material	Finish
Brass	Satin Nickel

Item Code	Item Name	d	D	H	h	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-140-114	RA-25	W5/16	26	28	6	784 N	80 kgf	26 g	100 pcs	600 pcs
200-140-115	RA-30	W3/8	32	33	6.5	1176 N	120 kgf	41 g	50 pcs	300 pcs
200-140-116	RA-40	W3/8	40	39	8	2156 N	220 kgf	71 g	50 pcs	300 pcs
200-140-117	*RA-50	W1/2	50	50	10	2352 N	240 kgf	162 g	20 pcs	120 pcs

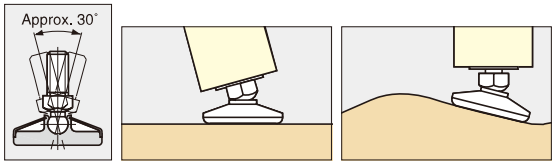
*Limited inventory, contact sales associate for details.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP LEVELING GLIDE RP

Latest Info

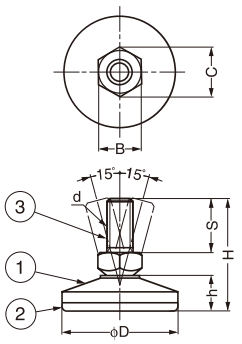




LOAD CAPACITY 588~6100 N

- Swivels approximately 30˚to compensate for uneven floors.
- Polyamide base.
- Wide variations of available bolts: M6 - M14.
- Different length can be made as special order.

TEST METHOD 14



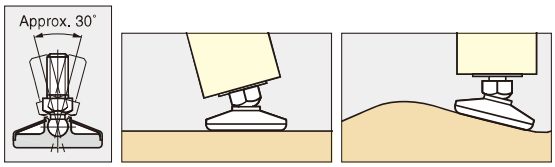
No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS304)	Satin
②	Base	Polyamide (PA)	Natural
③	Threaded Bolt	Steel	Yellow Zinc Chromate

Item Code	Item Name	d	D	H	h	S	B	C	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-140-028	RP-25M6-G	M6	25	31	9.7	14	8	9.2	588 N	60 kgf	11 g	50 pcs	500 pcs
200-140-029	RP-30M8-G	M8	30	37.5	11.2	19	10	11.5	1078 N	110 kgf	21 g	35 pcs	350 pcs
200-140-023	RP-30N25	W5/16	30	37.5	11.2	19	10	11.5	1078 N	110 kgf	21 g	35 pcs	350 pcs
200-140-031	RP-40M10-G	M10	40	42.5	13.7	20	13	15	1568 N	160 kgf	38 g	25 pcs	250 pcs
200-140-032	RP-40N3-G	W3/8	40	42.5	13.7	20	13	15	1568 N	160 kgf	38 g	25 pcs	250 pcs
200-140-033	RP-50M12-G	M12	50	51	16	25	17	19.6	3136 N	320 kgf	70 g	15 pcs	150 pcs
200-140-027	RP-70M14-G	M14	70	66.5	24.7	30	19	22	6100 N	622 kgf	150 g	10 pcs	100 pcs

LAMP STAINLESS STEEL LEVELING GLIDE RPS

Latest Info

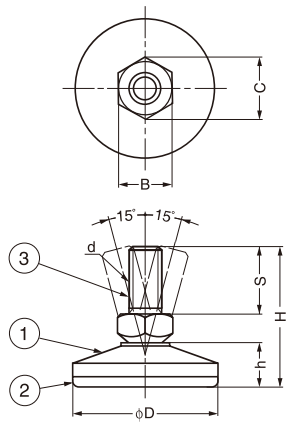




LOAD CAPACITY 588~1568 N

- Compensates for uneven floors.
- Swivels approximately 30˚ to compensate for uneven floor.
- Different length can be made as special order.

TEST METHOD 14



No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS304)	Satin
②	Base	Polyamide (PA)	Natural
③	Threaded Bolt	Stainless Steel (SUS303)	Plain

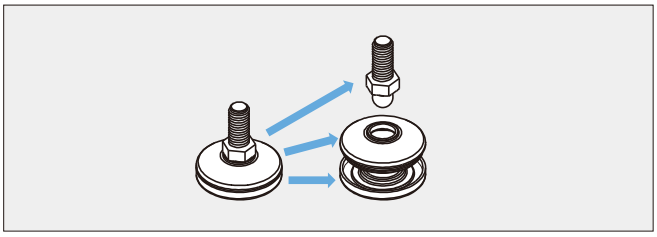
Item Code	Item Name	d	D	H	h	S	B	C	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-026-994	RPS-25M6-G	M6	25	31	9.7	14	8	9.2	588 N	60 kgf	11 g	50 pcs	500 pcs
200-026-995	RPS-30M8-G	M8	30	37.5	11.2	19	10	11.5	1078 N	110 kgf	21 g	35 pcs	350 pcs
200-026-996	RPS-40M10-G	M10	40	42.5	13.7	20	13	15	1568 N	160 kgf	38 g	25 pcs	250 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP LEVELING GLIDE EA

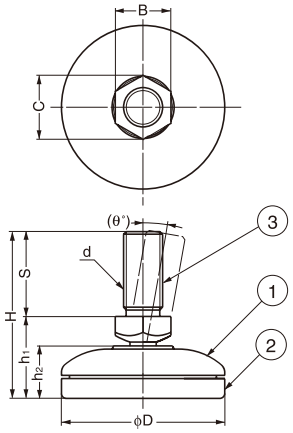
Latest Info





LOAD CAPACITY 490~2646 N

- Parts can be easily separated for recycling purpose.
- Bolt swivels to compensate for uneven floors.



No.	Part Name	Material	Finish/Colour
①	Cover	ABS	Dark Grey
②	Base	ABS	Dark Grey
③	Threaded Bolt	Steel	Yellow Zinc Chromate

Item Code	Item Name	d	D	H	h_1	h_2	S	B	C	θ°	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-140-911	EA-25M6	M6	25	31	14	8.5	17	8	9.2	10	490 N	50 kgf	10 g	120 pcs	1200 pcs
200-140-912	EA-30M8	M8	30	37.5	17	10.5	20.5	10	11.5	15	980 N	100 kgf	20 g	80 pcs	800 pcs
200-140-913	EA-40M10	M10	40	42.5	20.5	13	22	13	15	12.5	1274 N	130 kgf	32 g	40 pcs	400 pcs
200-140-910	EA-50M12	M12	50	51	25	16	26	17	19.6	10	2646 N	270 kgf	60 g	20 pcs	200 pcs

LAMP LEVELING GLIDE SG

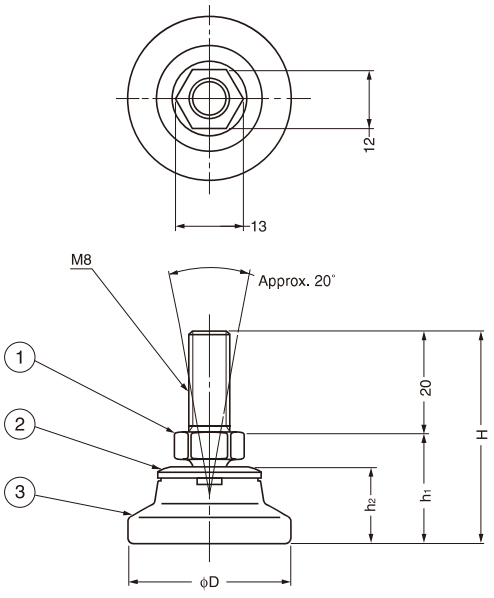
Latest Info



LOAD CAPACITY 1176, 1568 N

- Swivels approximately 20˚to compensate for uneven floors.

TEST METHOD 14



No.	Part Name	Material	Finish/Colour
①	Threaded Bolt	Steel	Black Chromated
②	Cap	Polyamide (PA)	Dark Grey
③	Base	Polyacetal (POM)	Dark Grey

Item Code	Item Name	D	H	h_1	h_2	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-142-506	SG-32M8	32	42	22	15.5	1176 N	120 kgf	25 g	60 pcs	480 pcs
200-142-504	SG-40M8	40	42.5	22.5	16	1568 N	160 kgf	30 g	35 pcs	280 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP LEVELING GLIDE MKP

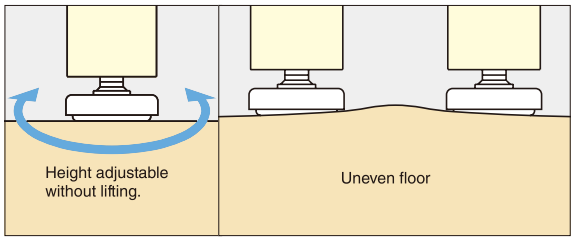
Latest Info



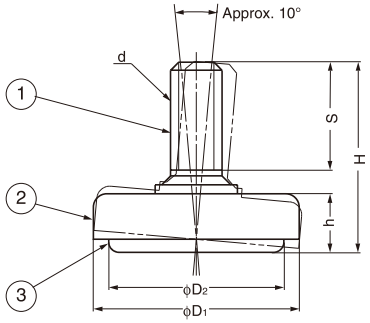


LOAD CAPACITY 1176, 1568 N

- Swivels approximately 10˚to compensate for uneven floors.
- Double structure of cover/bolt and base allow easy height adjustment without lifting the leg.



TEST METHOD 14



No.	Part Name	Material	Finish
①	Threaded Bolt	Steel	Chrome
②	Cover	Steel	Chrome
③	Base	Steel	Chrome

Item Code	Item Name	d	D_1	D_2	H	h	S	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-141-503	MKP-32M10	M10	32	27	36	11	21	1568 N	160 kgf	44 g	80 pcs	480 pcs
200-140-090	MKP-32N3	W3/8	32	27	36	11	21	1568 N	160 kgf	44 g	80 pcs	480 pcs
200-140-094	MKP-40M10	M10	40	34	37	11.4	21	1568 N	160 kgf	65 g	50 pcs	300 pcs
200-140-091	MKP-40N3	W3/8	40	34	37	11.4	21	1568 N	160 kgf	65 g	50 pcs	300 pcs
200-140-095	MKP-50M10	M10	50	44	37.5	11.5	21	1176 N	120 kgf	90 g	20 pcs	120 pcs
200-140-092	MKP-50N3	W3/8	50	44	37.5	11.5	21	1176 N	120 kgf	90 g	20 pcs	120 pcs
200-141-100	MKP-60M12	M12	60	54	51.5	11.5	35	1568 N	160 kgf	155 g	15 pcs	120 pcs
200-141-101	MKP-70M14	M14	70	64	51.5	11.5	35	1568 N	160 kgf	195 g	15 pcs	120 pcs

LAMP LEVELING GLIDE MKR

Latest Info

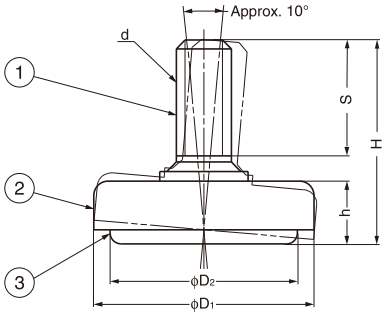




LOAD CAPACITY 392~784 N

- Leveling glide with elastomer base to prevent from skidding and scratching the floor.
- Swivels approximately 10˚to compensate for uneven floors.
- Double structure of cover/bolt and base allows easy height adjustment without lifting the leg.

TEST METHOD 14



No.	Part Name	Material	Finish/Colour
①	Threaded Bolt	Steel	Chrome
②	Cover	Steel	Chrome
③	Base	As below	Black

Item Code	Item Name	Base	d	D_1	D_2	H	h	S	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-141-513	MKR-32M10	Elastomer (TPO)	M10	32	27	36	11	21	392 N	40 kgf	41 g	80 pcs	480 pcs
200-140-096	MKR-32N3	Elastomer (TPO)	W3/8	32	27	36	11	21	392 N	40 kgf	41 g	80 pcs	480 pcs
200-141-514	MKR-40M10	Elastomer (TPO)	M10	40	34	37	11.4	21	588 N	60 kgf	60 g	50 pcs	300 pcs
200-140-097	MKR-40N3	Elastomer (TPO)	W3/8	40	34	37	11.4	21	588 N	60 kgf	60 g	50 pcs	300 pcs
200-141-515	MKR-50M10	Elastomer (TPO)	M10	50	44	37.5	11.5	21	588 N	60 kgf	87 g	20 pcs	120 pcs
200-140-098	MKR-50N3	Elastomer (TPO)	W3/8	50	44	37.5	11.5	21	588 N	60 kgf	87 g	20 pcs	120 pcs
200-141-103	MKR-60M12	Nitrile Rubber (NBR)	M12	60	54	51.5	11.5	35	784 N	80 kgf	150 g	15 pcs	120 pcs
200-141-102	MKR-70M14	Nitrile Rubber (NBR)	M14	70	64	51.5	11.5	35	784 N	80 kgf	215 g	15 pcs	120 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP STAINLESS STEEL LEVELING GLIDE MKPS

Latest Info

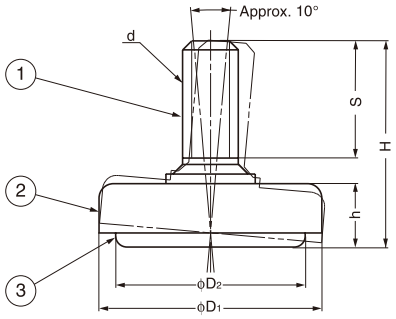




LOAD CAPACITY 1960~3920 N

- 304 stainless steel constructions is ideal for humid environments or applications where corrosion is an issue.
- Swivels approximately 10˚to compensate for uneven floors.
- Double structure of cover/bolt and base allows easy height adjustment without lifting the leg.

TEST METHOD 14 | SUS



No.	Part Name	Material	Finish
①	Threaded Bolt	Stainless Steel	Satin
②	Cover	Stainless Steel (SUS304)	Satin
③	Base	Stainless Steel (SUS304)	Plain

Item Code	Item Name	d	D_1	D_2	H	h	S	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-141-320	MKPS-32M10	M10	32	27	36	11	21	1960 N	200 kgf	50 g	60 pcs	480 pcs
200-141-321	MKPS-32N3	W3/8	32	27	36	11	21	1960 N	200 kgf	50 g	60 pcs	480 pcs
200-141-322	MKPS-40M10	M10	40	34	37	11.4	21	3136 N	320 kgf	70 g	40 pcs	320 pcs
200-141-323	MKPS-40N3	W3/8	40	34	37	11.4	21	3136 N	320 kgf	70 g	40 pcs	320 pcs
200-141-324	MKPS-50M10	M10	50	44	37.5	11.5	21	3528 N	360 kgf	95 g	30 pcs	240 pcs
200-141-325	MKPS-50N3	W3/8	50	44	37.5	11.5	21	3528 N	360 kgf	95 g	30 pcs	240 pcs
200-141-326	MKPS-60M12	M12	60	54	51.5	11.5	35	3920 N	400 kgf	140 g	15 pcs	120 pcs

LAMP STAINLESS STEEL LEVELING GLIDE MKRS

Latest Info

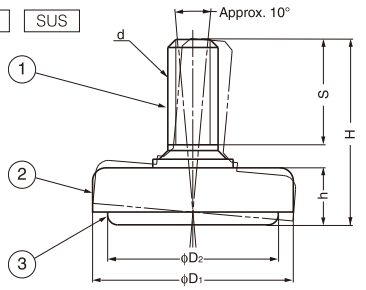




LOAD CAPACITY 392~980 N

- 304 stainless steel constructions is ideal for humid environments or applications where corrosion is an issue.
- Leveling glide with elastomer base to prevent from skidding and scratching the floor.
- Swivels approximately 10˚to compensate for uneven floors.
- Double structure of cover/bolt and base allows easy height adjustment without lifting the leg.

TEST METHOD 14 | SUS



No.	Part Name	Material	Finish/Colour
①	Threaded Bolt	Stainless Steel	Plain
②	Cover	Stainless Steel (SUS304)	Satin
③	Base	As below	Black

Item Code	Item Name	Base	d	D_1	D_2	H	h	S	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-141-328	MKRS-32M10	Elastomer (TPO)	M10	32	27	36	11	21	392 N	40 kgf	50 g	60 pcs	480 pcs
200-141-329	MKRS-32N3	Elastomer (TPO)	W3/8	32	27	36	11	21	392 N	40 kgf	50 g	60 pcs	480 pcs
200-141-330	MKRS-40M10	Elastomer (TPO)	M10	40	34	37	11.4	21	784 N	80 kgf	70 g	40 pcs	320 pcs
200-141-331	MKRS-40N3	Elastomer (TPO)	W3/8	40	34	37	11.4	21	784 N	80 kgf	70 g	40 pcs	320 pcs
200-141-332	MKRS-50M10	Elastomer (TPO)	M10	50	44	37.5	11.5	21	980 N	100 kgf	90 g	30 pcs	240 pcs
200-141-333	MKRS-50N3	Elastomer (TPO)	W3/8	50	44	37.5	11.5	21	980 N	100 kgf	90 g	30 pcs	240 pcs
200-141-334	MKRS-60M12	Nitrile Rubber (NBR)	M12	60	54	51.5	11.5	35	980 N	100 kgf	150 g	15 pcs	120 pcs
200-141-335	MKRS-70M14	Nitrile Rubber (NBR)	M14	70	64	51.5	11.5	35	980 N	100 kgf	200 g	15 pcs	120 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP LEVELING GLIDE MKR-N

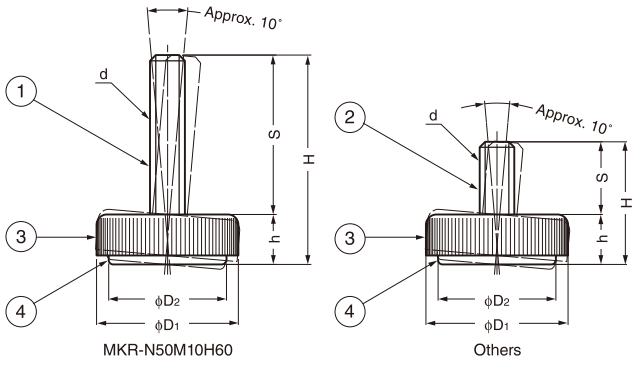
Latest Info



LOAD CAPACITY 588~784 N

- Swivels approximately 10˚to compensate for uneven floors.
- Double structure of cover/bolt and base allows easy height adjustment without lifting the leg.
- Leveling glide with elastomer base to prevent from skidding.

Feature



No.	Part Name	Material	Finish/Colour
①	Threaded Bolt	Steel	Yellow Zinc Chromate
②	Threaded Bolt	Steel	Chrome
③	Cover	Polyamide (PA)	Black
④	Base	Elastomer (TPO)	Black

Item Code	Item Name	d	D_1	D_2	H	h	S	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-141-300	MKR-N32M10	M10	33	27	36	14	22	588 N	60 kgf	35 g	80 pcs	480 pcs
200-141-301	MKR-N32N3	W3/8	33	27	36	14	22	588 N	60 kgf	35 g	80 pcs	480 pcs
200-141-302	MKR-N40M10	M10	41	34	37	15	22	686 N	70 kgf	45 g	50 pcs	300 pcs
200-141-303	MKR-N40N3	W3/8	41	34	37	15	22	686 N	70 kgf	40 g	50 pcs	300 pcs
200-141-304	MKR-N50M10	M10	51	44	37.5	15.5	22	784 N	80 kgf	60 g	20 pcs	120 pcs
200-140-100	MKR-N50M10H60	M10	51	44	60	15.5	44.5	784 N	80 kgf	60 g	20 pcs	120 pcs
200-141-305	MKR-N50N3	W3/8	51	44	37.5	15.5	22	784 N	80 kgf	55 g	20 pcs	120 pcs

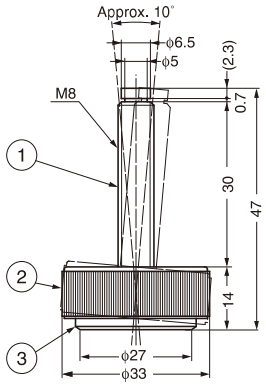
LAMP LEVELING GLIDE MKR-N32DG32

Latest Info

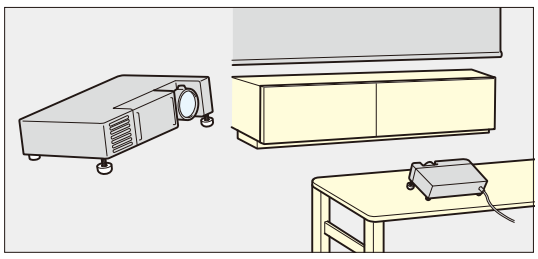


LOAD CAPACITY 454 N

- Swivels approximately 10˚to compensate for uneven floors.
- Double structure of cover/bolt and base allows easy height adjustment without lifting the leg.
- Leveling glide with elastomer base to prevent from skidding and scratching the floor.



Application Example



No.	Part Name	Material	Finish/Colour
①	Threaded Bolt	Steel	Chrome
②	Cover	Polyamide (PA)	Dark Grey
③	Base	Elastomer (TPO)	Black

Item Code	Item Name	Colour	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-149-228	MKR-N32DG32	Dark Grey	454 N	46 kgf	31 g	50 pcs	300 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP LEVELLING GLIDE (WITH TILT FUNCTION) SG-CGP40

Latest Info



SG-CGP40M8L54 SG-CGP40M8L26

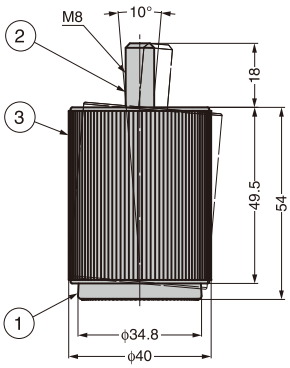
LOAD CAPACITY 588 N

- The body of the levelling glide can tilt up to approximately 10°, enabling it to hold level even on slanting floors.
- Separated body and base structure enables height to be adjusted by rotating the body even while a load is applied.
- The base is made from slip-resistant ethylene-vinyl acetate (EVA).

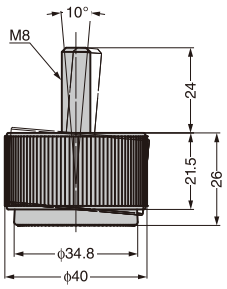
TEST METHOD 14

Remarks

- The base is made from slip-resistant material. Do not forcibly drag this product, as it may cause this material to wear off or peel.
- If the body cannot be rotated by hand, lift the mounted item slightly and try adjusting again.



SG-CGP40M8L54



SG-CGP40M8L26

No.	Part Name	Material	Finish/Colour
①	Base	Ethylene-vinyl Acetate (EVA)	Blast Finish
②	Screw Part	Steel (SWCH)	Black Chromate Finish (Trivalent)
③	Cover	Polyamide (PA)	Black

Item Code	Item Name	Load Capacity N	Load Capacity kgf	Weight (g)
200-042-136	SG-CGP40M8L26	588	60	38
200-042-137	SG-CGP40M8L54			60

LAMP OCTAGONAL LEVELING GLIDE MK8AD

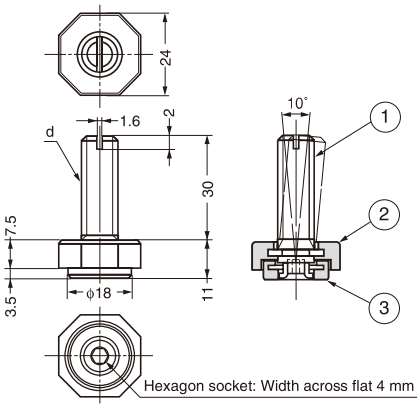
Latest Info



LOAD CAPACITY 588 N

- Swivels approximately 10˚to compensate for uneven floors.
- Height adjustable by a screw driver.
- Octagonal base allows easy adjustment by hand or wrench (width across flat: 24 mm).
- Double structure of cover/bolt and base allows easy height adjustment without lifting the leg.
- Leveling glide with elastomer base to prevent from skidding.

TEST METHOD 14



No.	Part Name	Material	Finish/Colour
①	Threaded Bolt	Steel	Black Chromated
②	Cover	Polyamide (PA)	Black
③	Base	Elastomer (TPE)	Black

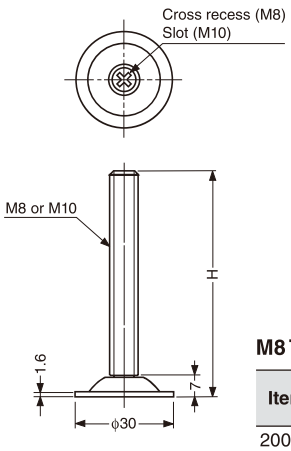
Item Code	Item Name	d	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-018-798	MK8AD-M8	M8	588 N	60 kgf	20 g	80 pcs	480 pcs
200-140-039	MK8AD-M10	M10	588 N	60 kgf	25 g	80 pcs	480 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP LEVELING GLIDE AD-501

Latest Info





LOAD CAPACITY 980, 1372 N

- Use with glide bases.
- Height is adjustable by a screw driver.

TEST METHOD 14

Material	Finish
Steel	Zinc Chromate

M8 Type

Item Code	Item Name	Base/ Material	Bolt Top/ Type	H	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-140-060	AD-501-30E	Steel (SPCC)	Cross Recess	30	980 N	100 kgf	17 g	100 pcs	400 pcs
200-140-580	AD-501-50E	Steel (SPHC)	Cross Recess	50	980 N	100 kgf	22 g	100 pcs	400 pcs
200-140-057	AD-501-60E	Steel (SPCC)	Cross Recess	60	980 N	100 kgf	25 g	100 pcs	400 pcs
200-140-581	AD-501-70E	Steel (SPHC)	Cross Recess	70	980 N	100 kgf	28 g	50 pcs	200 pcs
200-140-582	AD-501-75E	Steel (SPHC)	Cross Recess	75	980 N	100 kgf	30 g	50 pcs	200 pcs
200-140-583	AD-501-80E	Steel (SPHC)	Cross Recess	80	980 N	100 kgf	31 g	50 pcs	200 pcs
200-140-056	AD-501-90E	Steel (SPCC)	Cross Recess	90	980 N	100 kgf	35 g	50 pcs	200 pcs
200-140-584	AD-501-105E	Steel (SPHC)	Cross Recess	105	980 N	100 kgf	38 g	50 pcs	200 pcs
200-140-585	AD-501-120E	Steel (SPHC)	Cross Recess	120	980 N	100 kgf	43 g	50 pcs	200 pcs
200-140-586	AD-501-130E	Steel (SPHC)	Cross Recess	130	980 N	100 kgf	45 g	50 pcs	200 pcs

M10 Type

Item Code	Item Name	Base/ Material	Bolt Top/ Type	H	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-140-061	AD-501-30G	Steel (SPHC)	Slot	30	1372 N	140 kgf	20 g	100 pcs	400 pcs
200-140-063	AD-501-60G	Steel (SPHC)	Slot	60	1372 N	140 kgf	37 g	100 pcs	400 pcs
200-140-590	AD-501-90G	Steel (SPHC)	Slot	90	1372 N	140 kgf	50 g	50 pcs	200 pcs
200-140-591	AD-501-120G	Steel (SPHC)	Slot	120	1372 N	140 kgf	65 g	50 pcs	200 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. LEVELING GLIDE AD-502

Latest Info



LOAD CAPACITY 2744 N

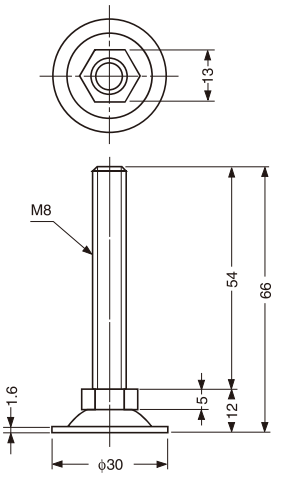
- Use with glide bases.
- Cross recessed bottom type AD-502-P (P.1332) is also available.

TEST METHOD 14

Wrench for AD-502:AD-502-SP (Sold Separately)

Item Code	Item Name	Material	Finish	Box	Carton
200-936-204	AD-502-SP	Steel	Yellow Zinc Chromate	250 pcs	1,000 pcs





Item Code	Item Name	Material	Finish	Load Capacity	Load Capacity	Weight	Box	Carton
200-140-059	AD-502	Steel	Zinc Chromate (trivalent)	2744 N	280 kgf	30 g	100 pcs	400 pcs
200-149-237	AD-502BZC	Steel	Black Chromate (trivalent)	2744 N	280 kgf	30 g	100 pcs	400 pcs

LAMP. LEVELING GLIDE AD-502-P

Latest Info

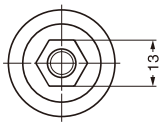




LOAD CAPACITY 2744 N

- Cover ADKW and ADKB (sold separately) available.

TEST METHOD 14

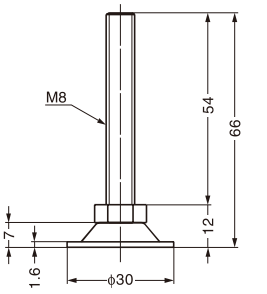


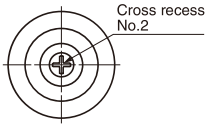
Wrench for AD-502 : AD-502-SP (Sold Separately)



Cover for AD-501 & AD-502 : ADKW & ADKB (Sold Separately)







Body

Item Code	Item Name	Material	Finish	Load Capacity	Load Capacity	Weight	Box	Carton
200-024-440	AD-502P	Steel	Zinc Chromate (trivalent)	2744 N	280 kgf	30 g	100 pcs	400 pcs
200-024-441	AD-502P-BZC	Steel	Black Chromate (trivalent)	2744 N	280 kgf	30 g	100 pcs	400 pcs

Wrench for AD-502 : AD-502-SP (Sold Separately)

Item Code	Item Name	Material	Finish	Box	Carton
200-936-204	AD-502-SP	Steel	Yellow Zinc Chromate	250 pcs	1,000 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP LEVELING GLIDE MKRL

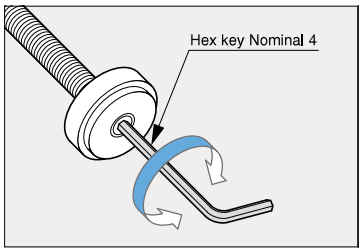
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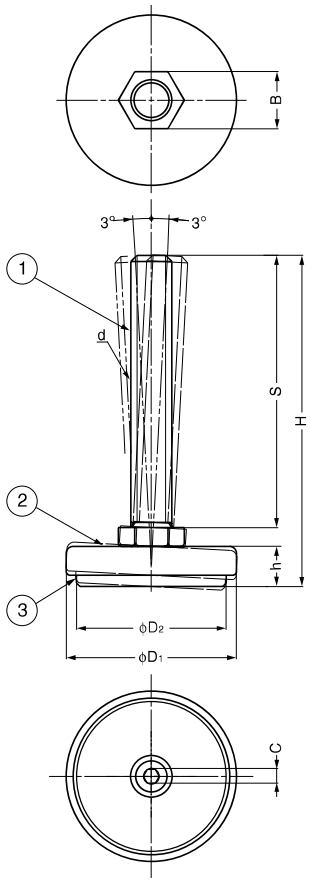


LOAD CAPACITY 588~784 N

- Swivels approximately 6˚to compensate for uneven floors.
- Double structure of cover/bolt and base allows easy height adjustment without lifting the leg.
- Hexagon socket at the bottom for easy installation.

TEST METHOD 14





No.	Part Name	Material	Finish/Colour
①	Threaded Bolt	Steel	Black Chromate
②	Cover	Steel	Black Chromate
③	Base	As below	Black

Item Code	Item Name	Base	d	D_1	D_2	H	h	S	B	C	Load Capacity		Weight	Box	Carton
200-141-159	MKRL-32-10-80B6	Elastomer (TPO)	M10	32	27	95.8	10.8	80	17	4	588 N	60 kgf	78 g	30 pcs	300 pcs
200-147-014	MKRL-32-12-66B6	Elastomer (TPO)	M12	32	27	81.8	10.8	66	17	4	735 N	75 kgf	85 g	30 pcs	300 pcs
200-141-120	MKRL-32-12-80B6	Elastomer (TPO)	M12	32	27	95.8	10.8	80	17	4	588 N	60 kgf	94 g	30 pcs	300 pcs
200-141-160	MKRL-40-10-80B6	Elastomer (TPO)	M10	40	34	96.2	11.2	80	17	4	588 N	60 kgf	95 g	25 pcs	250 pcs
200-141-115	MKRL-40-12-32B6	Elastomer (TPO)	M12	40	34	48.2	11.2	32	17	4	588 N	60 kgf	79 g	30 pcs	300 pcs
200-141-110	MKRL-40-12-43B6	Elastomer (TPO)	M12	40	34	59.2	11.2	43	17	4	588 N	60 kgf	85 g	25 pcs	250 pcs
200-141-124	MKRL-40-12-55B6	Elastomer (TPO)	M12	40	34	71.2	11.2	55	17	4	588 N	60 kgf	94 g	25 pcs	250 pcs
200-149-111	MKRL-40-12-80B6	Elastomer (TPO)	M12	40	34	96.2	11.2	80	17	4	588 N	60 kgf	111 g	25 pcs	250 pcs
200-141-111	☆MKRL-40-12-120B6	Elastomer (TPO)	M12	40	34	136.2	11.2	120	17	4	588 N	60 kgf	143 g	15 pcs	150 pcs
200-149-112	MKRL-50-12-80B6	Elastomer (TPO)	M12	50	44	96.8	11.8	80	17	4	588 N	60 kgf	136 g	20 pcs	200 pcs
200-141-112	☆MKRL-50-12-120B6	Elastomer (TPO)	M12	50	44	136.8	11.8	120	17	4	588 N	60 kgf	169 g	10 pcs	100 pcs
200-149-113	MKRL-50-16-78B6	Elastomer (TPO)	M16	50	44	100.3	11.8	78.5	24	4	784 N	80 kgf	214 g	15 pcs	120 pcs
200-141-113	MKRL-70-20-101B6	Nitrile Rubber (NBR)	M20	70	64	124.5	11.5	101	30	4	784 N	80 kgf	448 g	8 pcs	64 pcs

☆Limited inventory, contact sales associate for details.

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

Update: 12.13.2024

LAMP STAINLESS STEEL LONG-STEM LEVELING GLIDE MKPLS

Latest Info

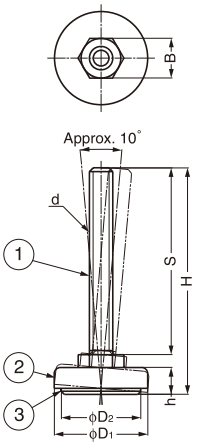




LOAD CAPACITY 1960~3332 N

- 304 stainless steel construction is ideal for humid environments or applications where corrosion is an issue.
- Swivels approximately 10˚to compensate for uneven floors.
- Double structure of cover/bolt and base allow easy height adjustment without lifting the leg.

TEST METHOD 14 | SUS



No.	Part Name	Material	Finish
①	Threaded Bolt	Stainless Steel	Satin
②	Cover	Stainless Steel (SUS304)	Satin
③	Base	Stainless Steel (SUS304)	Plain

Item Code	Item Name	d	D_1	D_2	H	h	S	B	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-130-347	MKPLS-32-10-80	M10	32	27	96	10.5	80	17	1960 N	200 kgf	79 g	30 pcs	240 pcs
200-141-336	MKPLS-40-12-80	M12	40	34	97	11.5	80	17	2940 N	300 kgf	125 g	30 pcs	240 pcs
200-141-337	MKPLS-50-12-80	M12	50	44	97	11.5	80	17	3332 N	340 kgf	150 g	20 pcs	160 pcs
200-141-338	MKPLS-50-16-78	M16	50	44	100	11.5	78.5	24	3136 N	320 kgf	220 g	15 pcs	120 pcs

LAMP STAINLESS STEEL LONG-STEM LEVELING GLIDE MKRLS

Latest Info

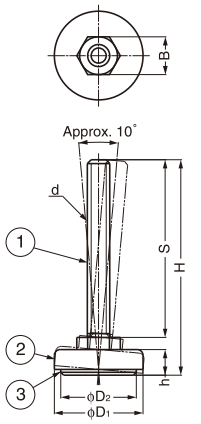




LOAD CAPACITY 784, 980 N

- 304 stainless steel construction is ideal for humid environments or applications where corrosion is an issue.
- Swivels approximately 10˚to compensate for uneven floors.
- Double structure of cover/bolt and base allow easy height adjustment without lifting the leg.
- Leveling glide with elastomer base to prevent from skidding.

TEST METHOD 14 | SUS



No.	Part Name	Material	Finish/Colour
①	Threaded Bolt	Stainless Steel	Satin
②	Cover	Stainless Steel (SUS304)	Satin
③	Base	Elastomer (TPO)	Black

Item Code	Item Name	d	D_1	D_2	H	h	S	B	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-130-348	MKRLS-32-10-80	M10	32	27	96	11	80	17	784 N	80 kgf	76 g	30 pcs	240 pcs
200-141-339	MKRLS-40-12-80	M12	40	34	97	11.5	80	17	784 N	80 kgf	120 g	30 pcs	240 pcs
200-141-340	MKRLS-50-12-80	M12	50	44	97	11.5	80	17	980 N	100 kgf	140 g	20 pcs	160 pcs
200-141-341	MKRLS-50-16-78	M16	50	44	100	11.5	78.5	24	784 N	80 kgf	215 g	15 pcs	120 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. LEVELING GLIDE ADRS, ADR

Latest Info



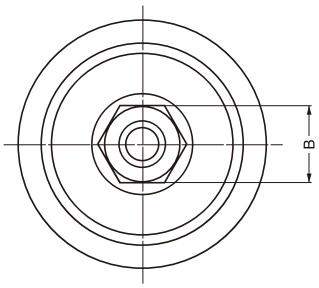
LOAD CAPACITY 196~1470 N

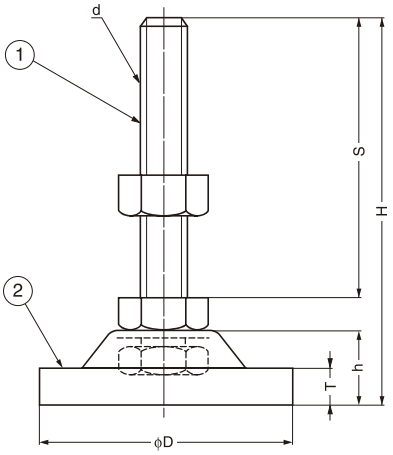
- Bottom cover made of elastomer to prevent from scratching the floor.
- Hexagon nut at the bottom for easy installation.
- 304 Stainless steel type or Steel type.

SUS

Option (P.1345)

- Washer : ADZS (Stainless steel)
- Washer : ADZ (Steel)





ADRS (Stainless Steel)

No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS304)	Polished
②	Threaded Bolt		
③	Cover	Elastomer (TPE)	Black
④	Nut	Stainless Steel (SUS304)	Plain

Item Code	Item Name	d	D	H	h	T	S	B	Load Capacity N	Load Capacity kgf	Weight	Carton
200-147-034	ADRS37-8-60	M 8	41	78	12.5	6	60	13	196 N	20 kgf	58 g	200 pcs
200-147-035	ADRS37-10-50	M10	41	69.5	12.5	6	50	17			83 g	170 pcs
200-147-036	ADRS55-12-100	M12	62	126.5	18.5	9	100	19	784 N	80 kgf	190 g	80 pcs
200-147-037	ADRS55-12-120	M12	62	146.5	18.5	9	120	19			200 g	70 pcs
200-147-041	ADRS75-16-150	M16	80	182.5	22.5	9	150	24	1470 N	150 kgf	400 g	30 pcs
200-147-045	ADRS75-20-150	M20	80	185.5	22.5	9	150	30			616 g	30 pcs

ADR (Steel)

No.	Part Name	Material	Finish/Colour
①	Body	Steel (SPCC)	Clear Zinc Chromate (Trivalent)
②	Threaded Bolt	Steel (SWRCH)	
③	Cover	Elastomer (TPE)	Black
④	Nut	Steel (SWRCH)	Clear Zinc Chromate (Trivalent)

Item Code	Item Name	d	D	H	h	T	S	B	Load Capacity N	Load Capacity kgf	Weight	Carton
200-140-003	ADR37-8-50	M 8	41	68	12.5	6	50	13	196 N	20 kgf	55 g	200 pcs
200-140-593	ADR37-10-50	M10	41	69.5	12.5	6	50	17			81 g	170 pcs
200-140-506	ADR55-12-50	M12	62	76.5	18.5	9	50	19	784 N	80 kgf	145 g	70 pcs
200-141-544	ADR55-12-100	M12	62	126.5	18.5	9	100	19			181 g	80 pcs
200-141-545	ADR55-12-120	M12	62	146.5	18.5	9	120	19			196 g	70 pcs
200-141-546	ADR55-12-150	M12	62	176.5	18.5	9	150	19			220 g	60 pcs
200-141-547	ADR75-16-100	M16	80	132.5	22.5	9	100	24	1470 N	150 kgf	329 g	40 pcs
200-141-548	ADR75-16-130	M16	80	162.5	22.5	9	130	24			369 g	35 pcs
200-141-550	ADR75-16-180	M16	80	212.5	22.5	9	180	24			436 g	25 pcs
200-141-551	ADR75-16-200	M16	80	232.5	22.5	9	200	24			463 g	20 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP LEVELING GLIDE ADPS, ADP

Latest Info



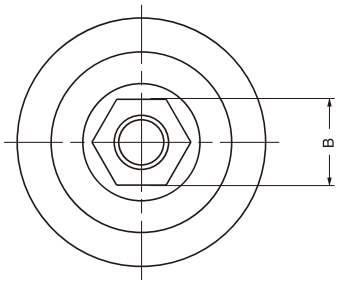
LOAD CAPACITY 2940~8624 N

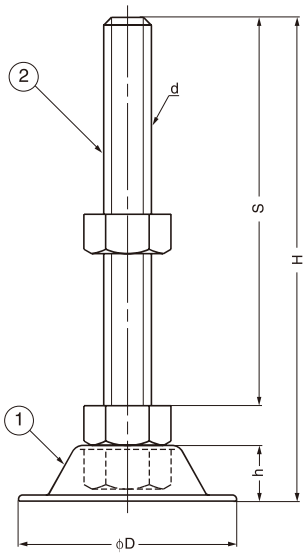
- Hexagon nut at the bottom for easy installation.
- 304 Stainless steel type or Steel type.

SUS

Option (P.1345)

- Washer : ADZS (Stainless steel)
- Washer : ADZ (Steel)





ADPS (Stainless Steel)

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Polished
②	Threaded Bolt		

Item Code	Item Name	d	D	H	h	S	B	Load Capacity N	Load Capacity kgf	Weight	Carton
200-141-182	ADPS37-8-60	M 8	37	76	10.5	60	13	2940 N	300 kgf	56 g	200 pcs
200-141-183	ADPS37-10-50	M10	37	67.5	10.5	50	17	2940 N	300 kgf	78 g	200 pcs
200-141-184	ADPS55-12-100	M12	55	122	14	100	19	2940 N	300 kgf	174 g	100 pcs
200-141-185	ADPS55-12-120	M12	55	142	14	120	19	2940 N	300 kgf	184 g	80 pcs
200-141-186	ADPS55-12-150	M12	55	172	14	150	19	2940 N	300 kgf	210 g	70 pcs
200-141-187	ADPS75-16-100	M16	75	128	18	100	24	5488 N	560 kgf	318 g	50 pcs
200-141-188	ADPS75-16-130	M16	75	158	18	130	24	5488 N	560 kgf	358 g	40 pcs
200-141-189	ADPS75-16-150	M16	75	178	18	150	24	5488 N	560 kgf	382 g	30 pcs
200-141-190	ADPS75-16-180	M16	75	208	18	180	24	5488 N	560 kgf	426 g	30 pcs
200-141-191	ADPS75-20-100	M20	75	131	18	100	30	8624 N	880 kgf	490 g	40 pcs
200-141-192	ADPS75-20-130	M20	75	161	18	130	30	8624 N	880 kgf	553 g	30 pcs
200-141-194	ADPS75-20-180	M20	75	211	18	180	30	8624 N	880 kgf	655 g	25 pcs

ADP (Steel)

No.	Part Name	Material	Finish
①	Body	Steel	Clear Zinc Chromate
②	Threaded Bolt		

Item Code	Item Name	d	D	H	h	S	B	Load Capacity N	Load Capacity kgf	Weight	Carton
200-140-002	ADP37-8-50	M 8	37	66	10.5	50	13	2940 N	300 kgf	55 g	200 pcs
200-140-594	ADP37-10-50	M10	37	67.5	10.5	50	17	2940 N	300 kgf	80 g	200 pcs
200-140-505	ADP55-12-50	M12	55	72	14	50	19	2940 N	300 kgf	135 g	100 pcs
200-141-520	ADP55-12-100	M12	55	122	14	100	19	2940 N	300 kgf	165 g	100 pcs
200-141-521	ADP55-12-120	M12	55	142	14	120	19	2940 N	300 kgf	180 g	80 pcs
200-141-522	ADP55-12-150	M12	55	172	14	150	19	2940 N	300 kgf	200 g	70 pcs
200-141-523	ADP75-16-100	M16	75	128	18	100	24	5488 N	560 kgf	310 g	50 pcs
200-141-524	ADP75-16-130	M16	75	158	18	130	24	5488 N	560 kgf	350 g	40 pcs
200-141-525	ADP75-16-150	M16	75	178	18	150	24	5488 N	560 kgf	375 g	30 pcs
200-141-526	ADP75-16-180	M16	75	208	18	180	24	5488 N	560 kgf	410 g	30 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP STAINLESS STEEL LEVELING GLIDE ADWS, ADWHS

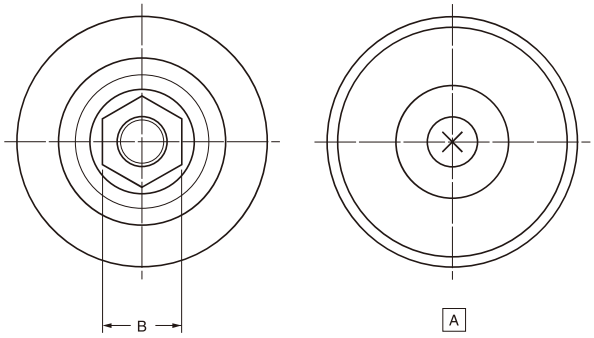
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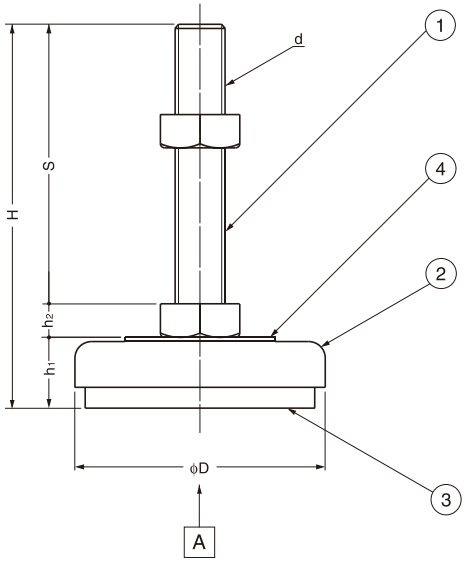


LOAD CAPACITY 3724~17150 N

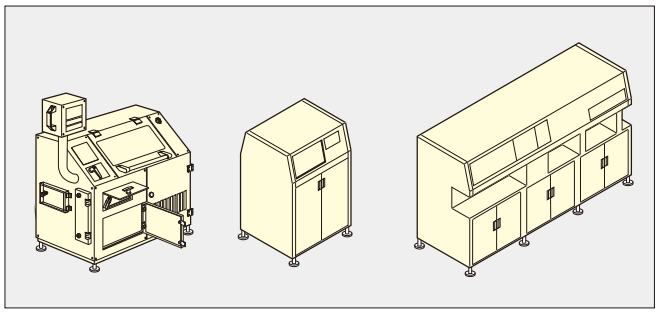
- 304 stainless steel for rust and corrosion resistance.
- ADWS : Excellent weather resistance.
- ADWHS : Base material helps to prevent marking on the floor and has excellent heat / weather resistance.

SUS





Application Example



No.	Part Name	Material	Finish/Colour
①	Threaded Bolt	Stainless Steel (SUS304)	Satin
②	Cover	Stainless Steel (SUS304)	Satin
③	Base	ADWS/Chloroprene Rubber (CR)	Black
		ADWHS/Ethylene Propylene Rubber (EPDM)	White
④	Washer	Polyamide (PA)	–

Item Code	Item Name	d	D	H	h_1	h_2	S	B	Load Capacity		Weight	Carton
200-140-605	ADWS40-8-60	M8	40	78.5	13	5.5	60	13	3724 N	380 kgf	75 g	150 pcs
200-140-606	ADWS40-10-50	M10	40	70	13	7	50	17	6272 N	640 kgf	95 g	120 pcs
200-140-607	ADWS50-12-70	M12	50	93	15	8	70	19	8722 N	890 kgf	176 g	60 pcs
200-140-609	ADWS50-12-120	M12	50	143	15	8	120	19	7644 N	780 kgf	216 g	60 pcs
200-140-611	ADWS60-16-70	M16	60	97	17	10	70	24	14308 N	1460 kgf	292 g	40 pcs
200-140-612	ADWS60-16-100	M16	60	127	17	10	100	24	14210 N	1450 kgf	332 g	35 pcs
200-140-616	ADWS60-20-100	M20	60	130	17	13	100	30	17150 N	1750 kgf	484 g	25 pcs
200-140-617	ADWS60-20-130	M20	60	160	17	13	130	30	15876 N	1620 kgf	570 g	20 pcs
200-140-620	ADWHS40-8-60	M8	40	78.5	13	5.5	60	13	4214 N	430 kgf	73 g	150 pcs
200-140-621	ADWHS40-10-50	M10	40	70	13	7	50	17	5978 N	610 kgf	96 g	120 pcs
200-140-622	ADWHS50-12-70	M12	50	93	15	8	70	19	8330 N	850 kgf	167 g	60 pcs
200-140-627	ADWHS60-16-100	M16	60	127	17	10	100	24	12348 N	1260 kgf	336 g	35 pcs
200-140-628	ADWHS60-16-130	M16	60	157	17	10	130	24	11760 N	1200 kgf	377 g	30 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

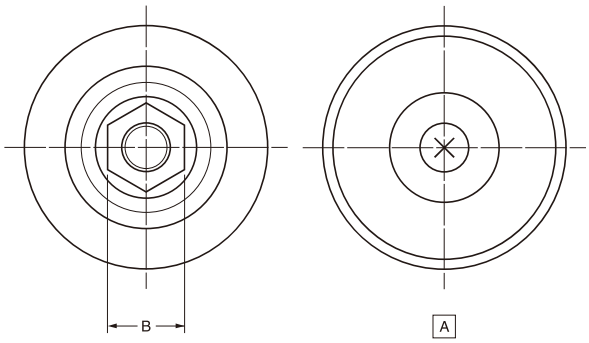
LAMP LEVELING GLIDE ADW, ADWH

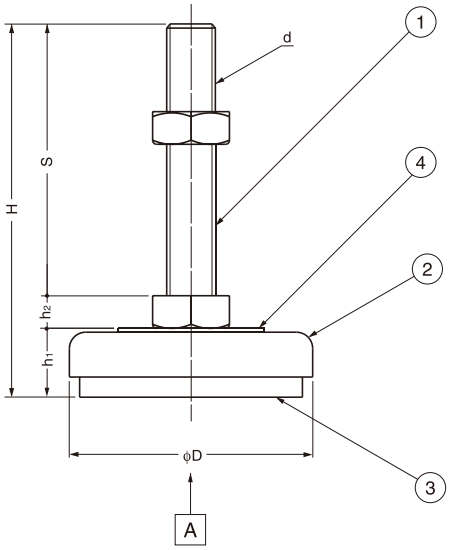
Latest Info



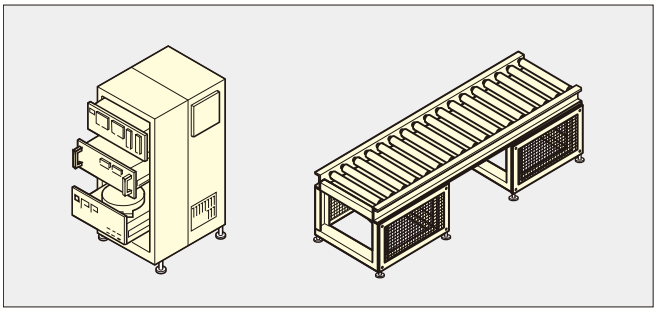
LOAD CAPACITY 3332~16856 N

- ADW : Excellent weather resistance.
- ADWH : Low marking and excellent heat / weather resistance.





Application Example



No.	Part Name	Material	Finish/Colour
①	Threaded Bolt	Steel	Black Chromate
②	Cover	Steel	Black Chromate
③	Base	ADW/Chloroprene Rubber (CR)	Black
		ADWH/Ethylene Propylene Rubber (EPDM)	White
④	Washer	Polyamide (PA)	–

Item Code	Item Name	d	D	H	h_1	h_2	S	B	Load Capacity		Weight	Carton
200-140-635	ADW40-8-60	M 8	40	78.5	13	5.5	60	13	3332 N	340 kgf	79 g	150 pcs
200-140-636	ADW40-10-50	M10	40	70	13	7	50	17	5684 N	580 kgf	100 g	120 pcs
200-140-637	ADW50-12-70	M12	50	93	15	8	70	19	8232 N	840 kgf	170 g	60 pcs
200-140-638	ADW50-12-100	M12	50	123	15	8	100	19	6762 N	690 kgf	195 g	60 pcs
200-140-639	ADW50-12-120	M12	50	143	15	8	120	19	6860 N	700 kgf	218 g	60 pcs
200-140-641	ADW60-16-70	M16	60	97	17	10	70	24	12838 N	1310 kgf	300 g	40 pcs
200-140-642	ADW60-16-100	M16	60	127	17	10	100	24	12544 N	1280 kgf	332 g	35 pcs
200-140-643	ADW60-16-130	M16	60	157	17	10	130	24	11858 N	1210 kgf	386 g	30 pcs
200-140-647	ADW60-20-100	M20	60	130	17	13	100	30	13034 N	1330 kgf	492 g	25 pcs
200-140-648	ADW60-20-130	M20	60	160	17	13	130	30	14406 N	1470 kgf	558 g	20 pcs
200-140-652	ADWH40-8-60	M 8	40	78.5	13	5.5	60	13	3332 N	340 kgf	78 g	150 pcs
200-140-653	ADWH40-10-50	M10	40	70	13	7	50	17	5684 N	580 kgf	97 g	120 pcs
200-140-654	ADWH50-12-70	M12	50	93	15	8	70	19	8036 N	820 kgf	176 g	60 pcs
200-140-655	ADWH50-12-100	M12	50	123	15	8	100	19	7056 N	720 kgf	200 g	60 pcs
200-140-656	ADWH50-12-120	M12	50	143	15	8	120	19	6566 N	670 kgf	207 g	60 pcs
200-140-657	ADWH50-12-150	M12	50	173	15	8	150	19	6076 N	620 kgf	298 g	50 pcs
200-140-658	ADWH60-16-70	M16	60	97	17	10	70	24	12054 N	1230 kgf	242 g	40 pcs
200-140-659	ADWH60-16-100	M16	60	127	17	10	100	24	10780 N	1100 kgf	336 g	35 pcs
200-140-664	ADWH60-20-100	M20	60	130	17	13	100	30	15288 N	1560 kgf	494 g	25 pcs
200-140-665	ADWH60-20-130	M20	60	160	17	13	130	30	16856 N	1720 kgf	559 g	20 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

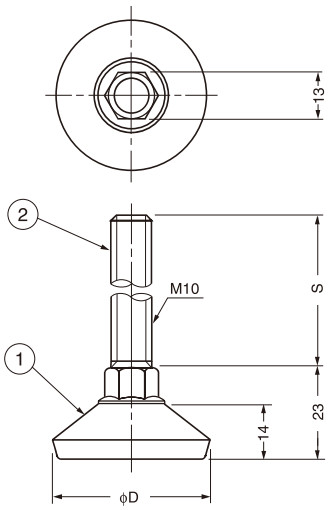
LAMP LEVELING GLIDE PM

Latest Info



LOAD CAPACITY 1176~2744 N

TEST METHOD 14



No.	Part Name	Material	Finish/Colour
①	Body	Polyamide (PA)	Black
②	Threaded Bolt	Steel	Black Chromate

Item Code	Item Name	D	S	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-145-030	PM-30	30	60	1176 N	120 kgf	48 g	40 pcs	400 pcs
200-145-034	PM-40	38	60	2744 N	280 kgf	50 g	30 pcs	300 pcs
200-149-032	PM-40-70	38	47	2744 N	280 kgf	49 g	30 pcs	300 pcs
200-149-161	PM-50	50	60	1960 N	200 kgf	55 g	20 pcs	200 pcs

LAMP LEVELING GLIDE TN-S

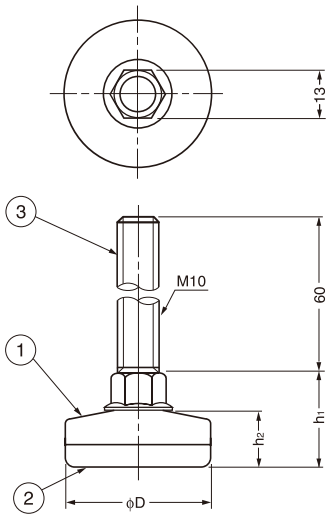
Latest Info



LOAD CAPACITY 1372 N

- Leveling glide with plastic base to prevent from scratching the floor.

TEST METHOD 14



No.	Part Name	Material	Finish/Colour
①	Body	Steel	Chrome
②	Base	Polypropylene (PP)	Natural
③	Threaded Bolt	Steel	Zinc Chromate

Item Code	Item Name	D	h_1	h_2	Load Capacity N	Load Capacity kgf	Weight	Box	Carton
200-140-249	TN-25S	25	21	12	1372 N	140 kgf	50 g	50 pcs	500 pcs
200-140-250	TN-35S	35	22.5	13.5	1372 N	140 kgf	60 g	30 pcs	300 pcs
200-140-251	TN-45S	43.5	22.5	13.5	1372 N	140 kgf	70 g	20 pcs	200 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP HEAVY DUTY LEVELING GLIDE ADHSK, ADHS, ADH

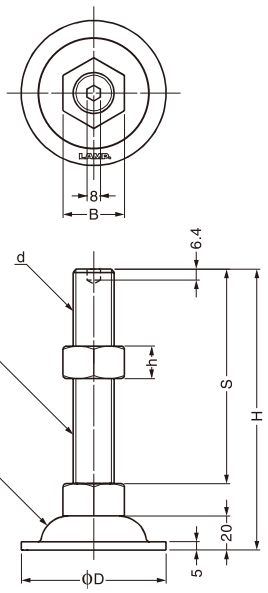
Latest Info



LOAD CAPACITY 29400~44100 N

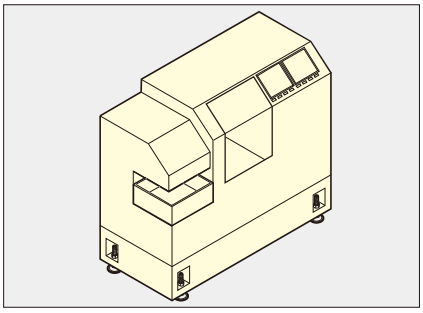
- For heavy weight.
- ADHSK: Galling preventive treatment allows smoother vertical adjustment.
- Two types of M24 and M30 screw dia. enables application to large machines and furniture.
- Recess for Allen key wrench at the screw head allows effective adjustment.

TEST METHOD 14 | SUS



Application Example

Machine tools, conveyors, semiconductors, LCD production equipment.



Three types available:
ADHSK (scuffing preventive stainless steel), ADHS (stainless), ADH (steel).

ADHSK (Scuffing Preventive Stainless Steel)

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Threaded Bolt	Stainless Steel (SUS304)	Baking finish

Item Code	Item Name	d	D	H	S	h	B	Load Capacity		Weight	Carton
200-012-538	ADHS-85-24-150K	M24	83	189	150	19	36	29400 N	3000 kgf	951 g	24 pcs
200-012-539	ADHS-85-24-200K	M24	83	239	200	19	36	34300 N	3500 kgf	1092 g	24 pcs
200-012-540	ADHS-85-30-150K	M30	83	194	150	24	46	39200 N	4000 kgf	1457 g	24 pcs
200-012-541	ADHS-85-30-200K	M30	83	244	200	24	46	44100 N	4500 kgf	1690 g	24 pcs

ADHS (Stainless Steel)

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Threaded Bolt	Stainless Steel (SUS304)	Satin

Item Code	Item Name	d	D	H	S	h	B	Load Capacity		Weight	Carton
200-012-534	ADHS-85-24-150	M24	83	189	150	19	36	29400 N	3000 kgf	841 g	24 pcs
200-012-535	ADHS-85-24-200	M24	83	239	200	19	36	34300 N	3500 kgf	1091 g	24 pcs
200-012-536	ADHS-85-30-150	M30	83	194	150	24	46	39200 N	4000 kgf	1461 g	24 pcs
200-012-537	ADHS-85-30-200	M30	83	244	200	24	46	44100 N	4500 kgf	1685 g	24 pcs

ADH (Steel)

No.	Part Name	Material	Finish
①	Body	Steel	Clear Zinc Chromate
②	Threaded Bolt	Steel	Clear Zinc Chromate

Item Code	Item Name	d	D	H	S	h	B	Load Capacity		Weight	Carton
200-012-530	ADH-85-24-150	M24	84	189	150	19	36	29400 N	3000 kgf	955 g	24 pcs
200-012-531	ADH-85-24-200	M24	84	239	200	19	36	34300 N	3500 kgf	1105 g	24 pcs
200-012-532	ADH-85-30-150	M30	84	194	150	24	46	39200 N	4000 kgf	1541 g	24 pcs
200-012-533	ADH-85-30-200	M30	84	244	200	24	46	44100 N	4500 kgf	3000 g	24 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP LEVELING GLIDE ADCR

Latest Info

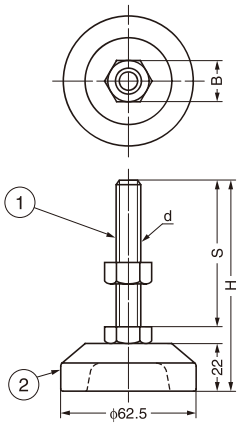


LOAD CAPACITY 6664, 14112 N

- Bottom cover made of nitrile rubber to prevent from scratching the floor.

Sold Separately

- Washer : ADZ (P.1345)



No.	Part Name	Material	Finish/Colour
①	Threaded Bolt	Steel	Clear Zinc Chromate
②	Cover	Nitrile Rubber (NBR)	Black

Item Code	Item Name	H	S	B	d	Load Capacity N	Load Capacity kgf	Weight	Carton
200-140-508	ADCR60-12-50	80	50	19	M12	6664 N	680 kgf	332 g	35 pcs
200-140-072	ADCR60-20-180	215	180	30	M20	14112 N	1440 kgf	794 g	15 pcs

LAMP LEVELING GLIDE ADCS, ADC

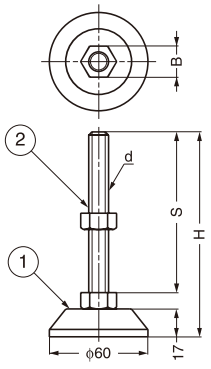
Latest Info



LOAD CAPACITY 2940, 8624 N

- ADC (Steel) : Cross-recessed bottom allows easy installation with Philips screw driver.

SUS



ADC (Steel)

No.	Part Name	Material	Finish
①	Body	Steel (SS)	Clear Zinc Chromate
②	Threaded Bolt	Steel (SWRCH)	Clear Zinc Chromate

Item Code	Item Name	H	S	B	d	Load Capacity	Load Capacity	Weight	Carton
200-141-533	ADC60-12-120	145	120	19	M12	2940 N	300 kgf	355 g	35 pcs
200-141-535	ADC60-16-100	127	100	24	M16	5488 N	560 kgf	440 g	25 pcs
200-141-536	ADC60-16-130	157	130	24	M16	5488 N	560 kgf	480 g	20 pcs
200-141-538	ADC60-16-180	207	180	24	M16	5488 N	560 kgf	540 g	20 pcs
200-141-540	ADC60-20-100	130	100	30	M20	8624 N	880 kgf	580 g	20 pcs
200-141-541	ADC60-20-130	160	130	30	M20	8624 N	880 kgf	640 g	20 pcs
200-141-542	ADC60-20-150	180	150	30	M20	8624 N	880 kgf	680 g	15 pcs
200-140-071	ADC60-20-180	210	180	30	M20	8624 N	880 kgf	740 g	15 pcs

ADCS (Stainless Steel)

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Threaded Bolt	Stainless Steel (SUS304)	Satin

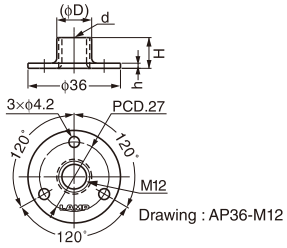
Item Code	Item Name	H	S	B	d	Load Capacity	Load Capacity	Weight	Carton
200-141-220	ADCS60-12-120	145	120	19	M12	2940 N	300 kgf	365 g	35 pcs
200-141-222	ADCS60-16-100	127	100	24	M16	5488 N	560 kgf	440 g	25 pcs
200-141-223	ADCS60-16-130	157	130	24	M16	5488 N	560 kgf	480 g	20 pcs
200-141-225	ADCS60-16-180	207	180	24	M16	5488 N	560 kgf	550 g	20 pcs
200-141-226	ADCS60-20-100	130	100	30	M20	8624 N	880 kgf	590 g	20 pcs
200-141-227	ADCS60-20-130	160	130	30	M20	8624 N	880 kgf	650 g	20 pcs
200-141-229	ADCS60-20-180	210	180	30	M20	8624 N	880 kgf	750 g	15 pcs

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LAMP STAINLESS STEEL GLIDE BASE AP36

Latest Info





Drawing : AP36-M12

- Made of 304 stainless steel for rust and corrosion resistance.

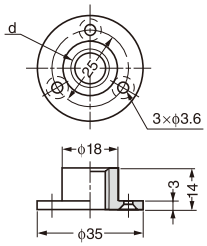
SUS

Item Code	Item Name	Material	Finish	d	D	h	H	Weight	Box	Carton
200-140-501	AP36-M8	Stainless Steel (SUS304)	Polished	M8	9.6	1.5	12	13 g	100 pcs	1,000 pcs
200-140-502	AP36-M10	Stainless Steel (SUS304)	Polished	M10	11	1.5	12	13 g	100 pcs	1,000 pcs
200-140-503	AP36-N3	Stainless Steel (SUS304)	Polished	3/8-16UNC	10.9	1.5	12	13 g	100 pcs	1,000 pcs
200-140-504	AP36-M12	Stainless Steel (SUS304)	Polished	M12	13.9	2	11.5	19 g	80 pcs	800 pcs

LAMP GLIDE BASE AD-559

Latest Info



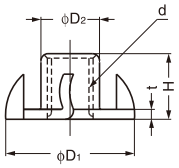


Item Code	Item Name	Material	Finish	d	Weight	Box	Carton
200-141-310	AD-559M12	Zinc Alloy (ZDC)	Clear Zinc Chromate	M12	26.5 g	100 pcs	400 pcs
200-141-311	AD-559M14	Zinc Alloy (ZDC)	Clear Zinc Chromate	M14	23.5 g	100 pcs	400 pcs
200-140-073	AD-559U1/2	Zinc Alloy (ZDC)	Clear Zinc Chromate	1/2-20UNF	24.6 g	100 pcs	400 pcs

GLIDE BASE SC-124

Latest Info



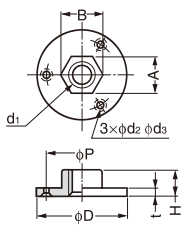


Item Code	Item Name	Material	Finish	d	D_1	D_2	H	t	Weight	Carton
200-041-280	SC-124-4	Steel	Clear Zinc Chromate	M4	15	5.6	8	1.2	2.1 g	10,000 pcs
200-041-281	SC-124-6	Steel	Clear Zinc Chromate	M6	19	7.5	9	1.2	3.5 g	5,000 pcs
200-041-282	SC-124-8	Steel	Clear Zinc Chromate	M8	22.2	9.9	11	1.6	6.6 g	3,000 pcs
200-041-283	SC-124-10	Steel	Clear Zinc Chromate	M10	25.5	11.6	13	1.8	8.8 g	2,000 pcs

LAMP GLIDE BASE AD-555

Latest Info





Recommended Screw

- Countersunk nominal 3.1
  (AD-555-25 : Countersunk nominal 2.7)

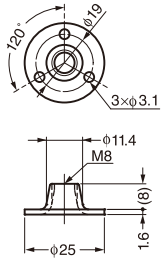
Item Code	Item Name	Material	Finish	d_1	D	H	t	P	d_2	d_3	A	B	Weight	Box	Carton
200-014-902	AD-555-25-M8	Zinc Alloy (ZDC)	Zinc Chromate	M8	25	8	2.7	19	3.2	5.3	11.2	12.5	10 g	320 pcs	1,920 pcs
200-140-076	AD-555-28-M10	Zinc Alloy (ZDC)	Zinc Chromate	M10	28	9	2.7	20	3.2	6.4	13	14	15 g	240 pcs	1,440 pcs
200-140-074	AD-555-25	Zinc Alloy (ZDC)	Zinc Chromate	W5/16	25	8	2.7	19	3.2	5.3	11.2	12.5	10 g	320 pcs	1,920 pcs
200-140-075	AD-555-28	Zinc Alloy (ZDC)	Zinc Chromate	W3/8	28	9	2.7	20	3.2	6.4	13	14	15 g	240 pcs	1,440 pcs
200-140-077	AD-555-39	Zinc Alloy (ZDC)	Zinc Chromate	W1/2	39	11	3	30	3.2	6.4	15.8	16.8	30 g	100 pcs	600 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

GLIDE BASE AP5-M8

Latest Info

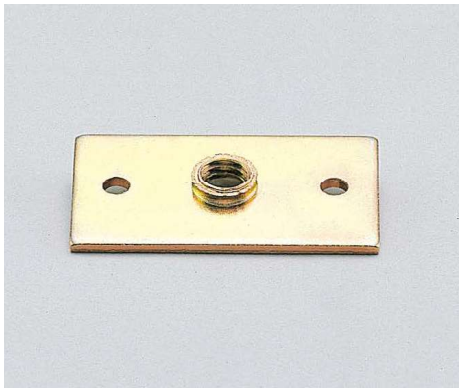


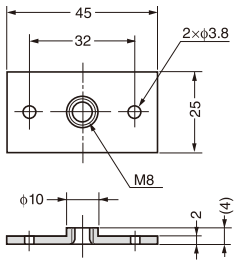


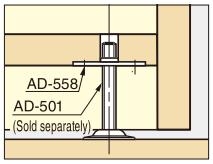
Item Code	Item Name	Material	Finish	Weight	Box	Carton
200-140-694	AP5-M8	Steel	Clear Zinc Chromate	6 g	400 pcs	4,000 pcs

LAMP GLIDE BASE AD-558

Latest Info





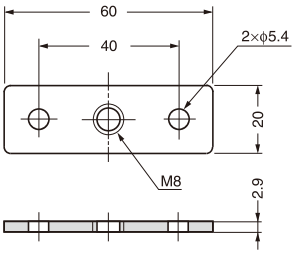


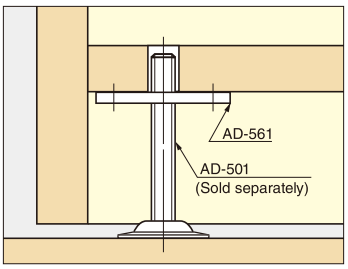
Item Code	Item Name	Material	Finish	Weight	Box	Carton
200-140-080	AD-558	Steel	Yellow Zinc Chromate	16 g	250 pcs	1,000 pcs

LAMP GLIDE BASE AD-561

Latest Info





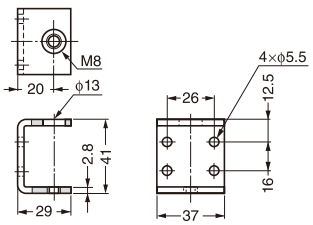


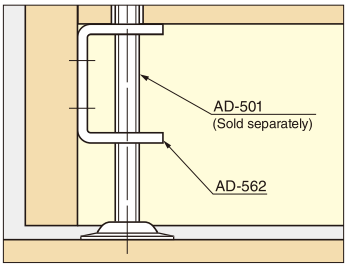
Item Code	Item Name	Material	Finish	Weight	Box
200-140-068	AD-561	Steel	Zinc Chromate	30 g	500 pcs

LAMP GLIDE BASE AD-562

Latest Info







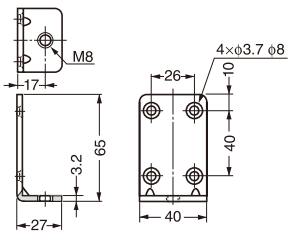
Item Code	Item Name	Material	Finish	Weight	Box	Carton
200-140-086	AD-562	Steel	Yellow Zinc Chromate	67 g	50 pcs	200 pcs

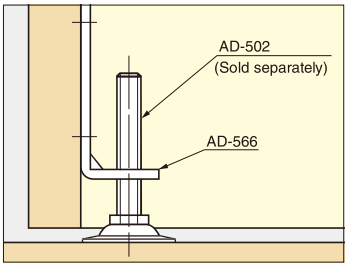
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP GLIDE BASE AD-566

Latest Info





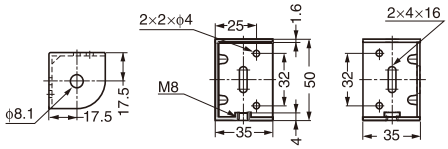


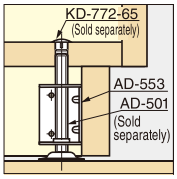
Item Code	Item Name	Material	Finish	Weight	Box	Carton
200-140-082	AD-566	Steel	Yellow Zinc Chromate	82 g	100 pcs	200 pcs

LAMP GLIDE BASE AD-553

Latest Info



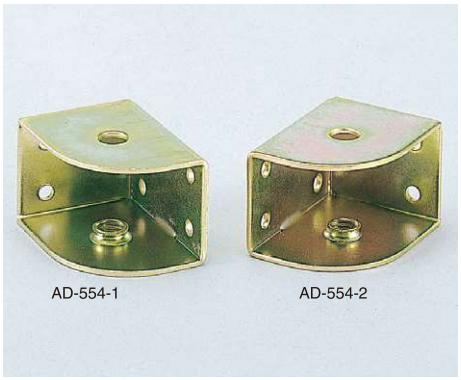


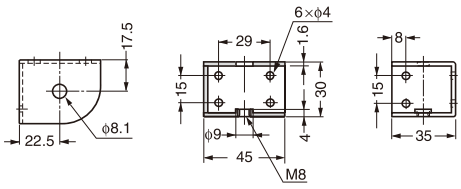


Item Code	Item Name	Material	Finish	Weight	Box	Carton
200-140-084	AD-553	Steel	Yellow Zinc Chromate	63 g	40 pcs	240 pcs

LAMP GLIDE BASE AD-554

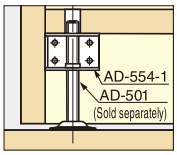
Latest Info





Remarks

- Following diagram is for AD-554-1 (AD-554-2:Left and right positions are revised.)

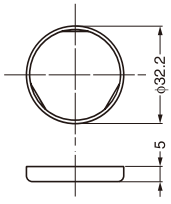


Item Code	Item Name	Material	Finish	Weight	Box	Carton
200-140-085	AD-554-1	Steel	Yellow Zinc Chromate	60 g	50 pcs	500 pcs
200-140-087	AD-554-2	Steel	Yellow Zinc Chromate	60 g	50 pcs	500 pcs

LAMP COVER ADKW, ADKB

Latest Info





- Cover for AD-501, AD-502 and AD-502-P to prevent from scratching the floor.

Item Code	Item Name	Material	Colour	Weight	Box	Carton
200-140-088	ADKW	Polyethylene (PE)	Natural	1 g	250 pcs	2,500 pcs
200-140-089	ADKB	Polyethylene (PE)	Black	1 g	250 pcs	2,500 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP WASHER FOR LEVELING GLIDE ADZS, ADZ

Latest Info

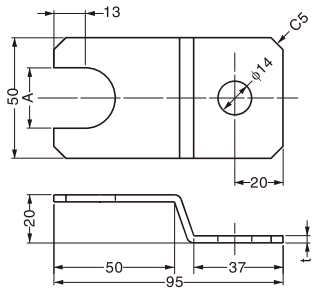


- Easy installation by inserting on the hexagon nut (of the leveling glide) and fixing with an anchor bolt.

SUS

Application Example

- Machine tools, conveyor belts, any equipment with vibration.



Item Code	Item Name	A	t	Material	Finish	Weight	Box	Carton
200-141-243	ADZS-M12	19	3	Stainless Steel (SUS304)	Polished	104 g	50 pcs	100 pcs
200-141-244	ADZS-M16	24.5	3	Stainless Steel (SUS304)	Polished	101 g	50 pcs	100 pcs
200-141-245	ADZS-M20	30.5	3	Stainless Steel (SUS304)	Polished	96 g	50 pcs	100 pcs
200-141-240	ADZ-M12	19	3.2	Steel	Clear Zinc Chromate	115 g	50 pcs	100 pcs
200-141-241	ADZ-M16	24.5	3.2	Steel	Clear Zinc Chromate	110 g	50 pcs	100 pcs
200-141-242	ADZ-M20	30.5	3.2	Steel	Clear Zinc Chromate	106 g	50 pcs	100 pcs

This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

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- Keyword Search + Product Filters
- Installation Instructions
- New Product Information
- CAD Data (2D, 3D)
- Customer Solution Case Studies
- Product Videos
- Hardware Basics
- Selection Tools

Technical Information

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1366 | SURFACE TREATMENT
1367 | MATERIALS
1368 | DOOR WEIGHT TABLE

September 2024

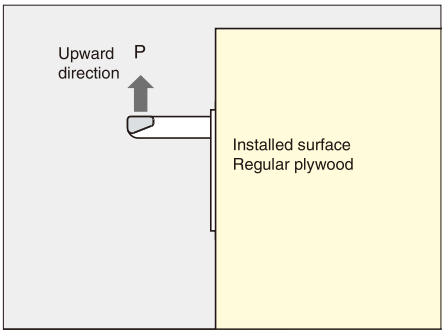
TEST METHODS

■Test Methods

In this catalogue, various values about products with TEST METHOD icon in the product specification columns are determined by the tests as described below. Values are to provide guidance for the safe use of our products.

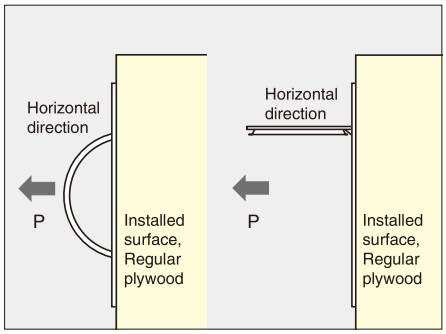
Product without TEST METHOD icon may not be based on these criteria in some cases.

TEST METHOD 1 HANDLE LOAD CAPACITY TEST



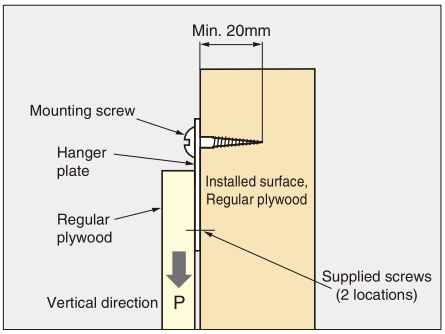
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

TEST METHOD 2 HANDLE, PULL, HOOK LOAD CAPACITY TEST



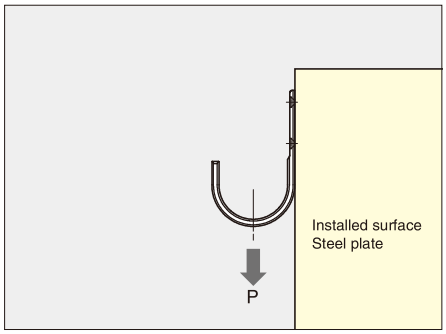
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.
Product may fail or distort if the force is applied in a direction other than the frontal direction. Please do not use on application other than in the pull direction.

TEST METHOD 3 HANGING-LOAD CAPACITY TEST



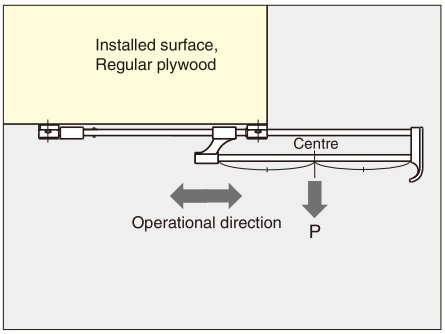
The hanging-load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure. This value will vary according to the diameter / length of the screw(s) used and strength of the installed surface.
Hanging load of 10 kgf, in case of using round head wood screw 3.8 x 25.

TEST METHOD 4 HOOK LOAD CAPACITY TEST



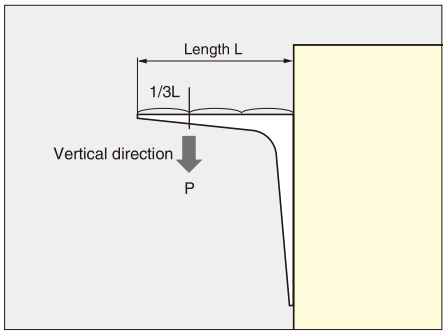
Under the conditions shown in the figure, a force (P) is gently applied to the centre of the hanging part in the vertical direction. The indicated load capacity value is about one-third of the limit load value (safety factor: 3). Therefore, this safety factor changes depending on the usage conditions. If you use it under adverse conditions, please be sure to check the actual product.

TEST METHOD 5 MAXIMUM HANGING-LOAD TEST



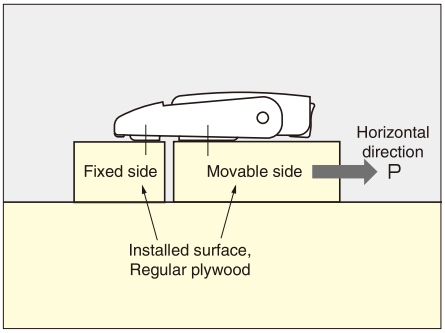
The maximum hanging-load capacity is measured when the force (P) is gently applied in the direction of the arrow and operated under the condition indicated by the figure. If the load is concentrated at the front tip of the hanger, the front tip may sag or the movement may become heavy.

TEST METHOD 6 BRACKET LOAD CAPACITY TEST



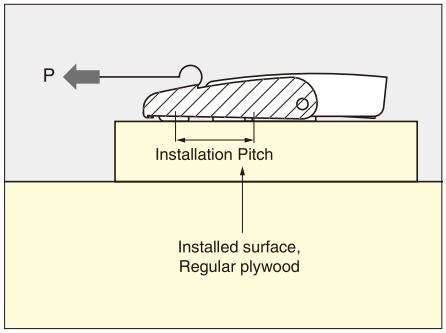
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.
(This is based on the force (W) applied at the centre of the shelf board with its length 4/3 times longer than the shelf bracket or angle bracket.)

TEST METHOD 7 FASTENER LOAD CAPACITY TEST



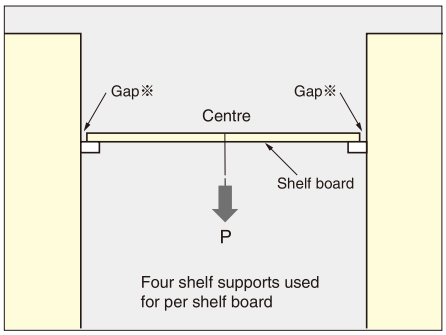
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

TEST METHOD 8 CLAMPING FORCE TEST UNDER STANDARD INSTALLATION



The capacity of the clamping force under standard installation is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure, and when the shaded portion begins to slide.

TEST METHOD 9 DOWEL, SHELF STANDARD LOAD CAPACITY TEST



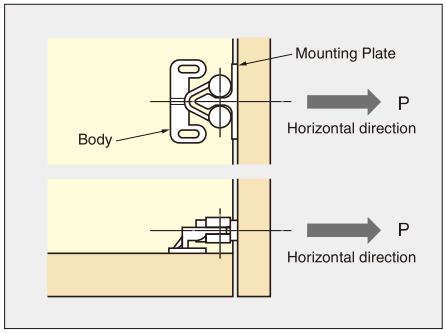
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.
Follow the conditions below to prevent the shelf supports or shelf board from falling off.

Condition 1 The gap (※) between the shelf board and the side board shall be 1mm or less.
※ The gap between the shelf board and the shelf standard if shelf support is installed on a shelf standard.

Condition 2 Use shelf board which has sufficient durability.

Condition 3 The mounting hole processing dimension of the shelf dowel shall be less than the recommended mounting hole dimension.
(The processing dimension may vary depending on the material of the side board.

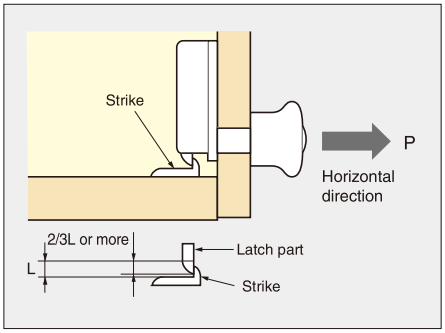
TEST METHOD 10 CATCH FORCE TEST



The catch force is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

Note: Misalignment of the mounting plate and body parts may cause the catch force to decrease or parts failure.

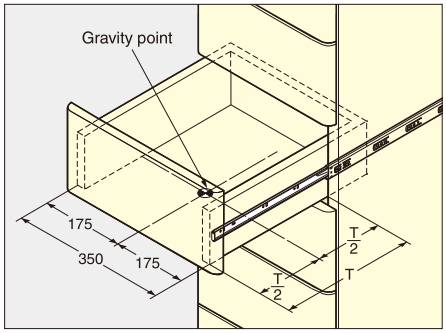
TEST METHOD 11 RETAINING FORCE TEST



The retaining force is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

Note: Latch and strike must be engaged at least 2/3L or more (see the figure).

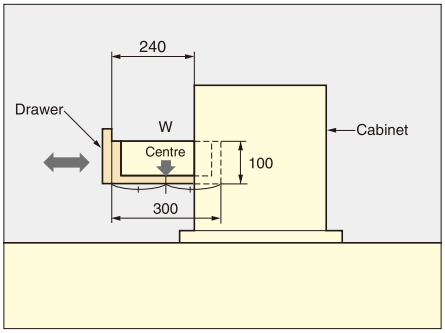
TEST METHOD 12 DRAWER SLIDE LOAD CAPACITY TEST



Calculation of slide centre of gravity

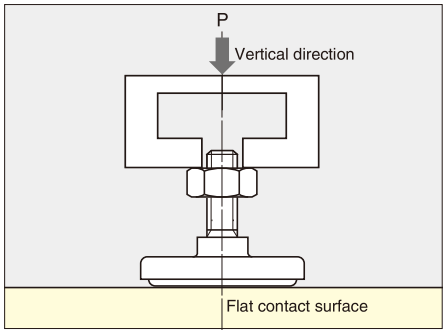
The load capacity is measured based on the condition:
- Continuous open-close: 50,000 cycles
- Speed: 10 cycles per minute
- Load is applied on the gravity point. The figure of load capacity includes drawer itself.
- Drawer width: 350mm

TEST METHOD 13 DRAWER SLIDE LOAD CAPACITY TEST



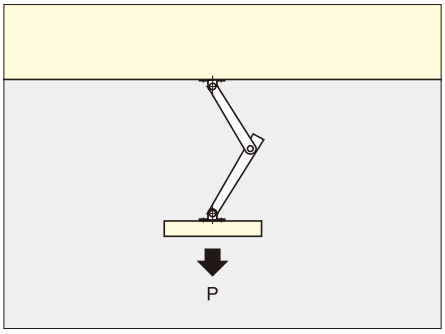
The load capacity is measured when the weight (W) is applied at the centre of the drawer under the condition indicated by the figure and the operation to pull out the drawer by 240mm is repeated. The gap between drawer and cabinet shall be 1 mm or less.

TEST METHOD 14 LEVELLING GLIDE LOAD CAPACITY TEST



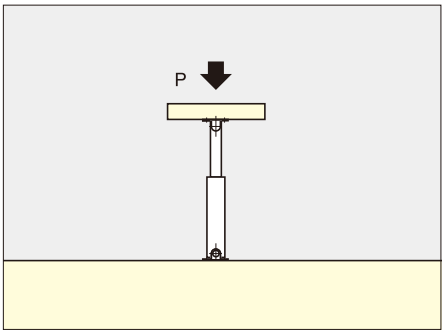
The load capacity is measured when the force (P) is applied in the direction of the arrow under the condition indicated in the figure.
Product may break or distort if the contact surface is not flat.

TEST METHOD 15 PULL LOAD TEST



The pull load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

TEST METHOD 16 COMPRESSION LOAD TEST



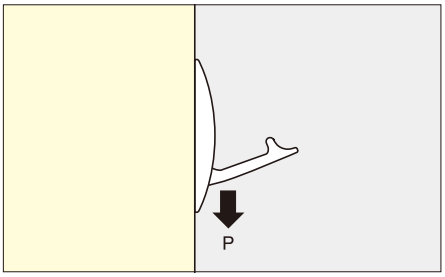
The compression load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

TEST METHOD 17 PERMISSIBLE LOAD OF FASTENER

Permissible load kgf = Ultimate Load ÷ 3

The safety factor will vary depending on the conditions of use.
When used under adverse conditions, please test the fastener in intended application.

TEST METHOD 18 HOOK LOAD CAPACITY TEST

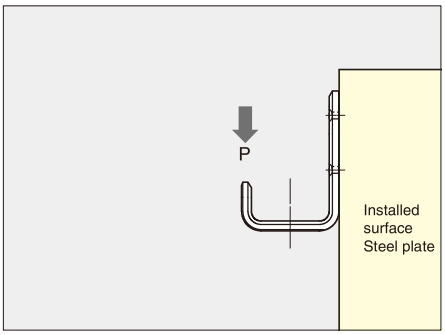


The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

Load capacity kgf = Ultimate Load ÷ 3

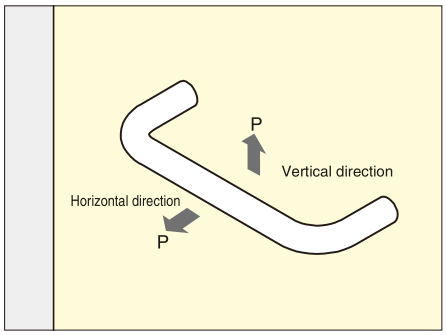
However, the safety factor will vary depending on the conditions of use.
When used under adverse conditions, please test the hook in intended application.

TEST METHOD 19 HOOK LOAD CAPACITY TEST



Under the conditions shown in the figure, a force (P) is gently applied in the vertical direction. The indicated load capacity value is one-third of the limit load value (safety factor: 3). Therefore, this safety factor changes depending on the usage conditions. If you use it under adverse conditions, please be sure to check the actual product.

TEST METHOD 20 HANDLE LOAD CAPACITY TEST



Under the conditions shown in the figure, a force (P) is gently applied in the vertical and horizontal directions. The load capacity is a value that indicates the strength of the handle itself. Install it on something with sufficient strength or reinforcement.

SURFACE TREATMENT

Finish	Characteristics
Zinc Plating	Zinc plating is commonly used on steel to prevent oxidation. Chromate is generally applied over zinc to enhance corrosion resistance.
Chromate Conversion Coating	Major coating mainly applied on parts after zinc plated or cadmium plated. Parts are immersed in a solution mainly consisting of chromic acid or heavy chromic acid to create the coating. This is used to improve corrosion resistance and appearance of metals, metal colouration, and is also used as a pre-treatment for painting. Various chromate coatings are developed such as yellow chromate (rainbow colour), clear chromate, black chromate, green chromate, etc.
Chrome Plating	Common electroplating for various industrial purposes. Reflective finish can be achieved by polishing. High hardness and good corrosion resistance along with thermal resistance, abrasion resistance and good adhesion characteristics. Generally used as final finish for various decorative parts and products due to its uniquely deep colouration.
Nickel Plating	Nickel is commonly used for decorative and anti-corrosion purpose because of its stability against air or humidity compared to iron. However, since the surface of the nickel plating will slightly discolour through exposure to air, chrome is often used after nickel to keep the finish/colour. Nickel plating has moderate hardness / corrosion-resistance and widely used on industrial application.
Alumite or Anodising (Anodic Oxidation Film Processing)	Also called the “anodic oxidation film processing”. This process thickens and toughens natural oxide layer on metal, commonly applied to aluminium for corrosion resistance and dyeing. In aluminium anodising, aluminium object serves as the anode (the positive electrode) when electrolysed in the sulfuric acid. This will create a layer of porous oxide film which has high electric insulation and abrasion resistance. The film is normally transparent when it is thin, although it becomes dull as the thickness increases.The pores produced by anodising are closed by a process called sealing, which is done by high-pressurised or boiling-hot deionised water. This process fills the pores and creates a thin layer that is corrosion resistant, suitable for various aluminium parts / products.

※Hexavalent-Chromium (CR6) Free

Sugatsune is strictly controlling the use of chemicals that would adversely impact the environment. We are designing and developing products with minimum use of materials which has adverse environmental impact. Hexavalent chromium compound is especially known for its adverse effects on the human body. We are actively substituting this Hexavalent-chromium (CR6) with the environment friendly Trivalent-chromium (CR3).

MATERIALS

In this catalogue, materials are indicated below. (For some items, only the materials of main parts are shown due to space limitations)

Irons and Steels

Material	Name
Steel	Iron-based screw, washer, etc.
Steel (SS)	Rolled steel for general structure
Steel (S※※C)	Carbon steel for machine structural use (Enter number for ※)
Steel (SECC)	Electrogalvanised steel sheet and steel strip
Steel (SF)	Carbon steel forging
Steel (SGCC)	Hot-dip galvanised steel sheet and steel strip
Steel (SK)	Carbon tool steel
Steel (SPCC)	Cold-rolled steel sheet and steel strip
Steel (SPHC)	Hot-rolled mild steel sheet and steel strip
Steel (SUM)	Sulfur and sulfur-composite free cutting steel
Steel (SUP)	Spring steel
Steel (SW)	Hard steel wire
Steel (SWP)	Piano wire
Steel (SWRH)	High carbon steel wire rod
Steel (SWRM)	Low carbon steel wire rod
Steel (SWCH)	Carbon steel for cold heading
Cast Iron (FC)	Grey iron casting
Stainless Steel	Stainless steel screw, washer, etc.
Stainless Steel (SUS301)	Austenitic stainless steel
Stainless Steel (SUS303)	Austenitic stainless steel
Stainless Steel (SUS304)	Austenitic stainless steel
Stainless Steel (SUS316, SUS316L)	Austenitic stainless steel
Stainless Steel (SUS420)	Martensitic stainless steel
Stainless Steel (SUS430)	Ferritic stainless steel
Stainless Steel (SUS440)	Martensitic stainless steel
Stainless Steel (SUS631)	Precipitation hardening stainless steel
Stainless Steel (SCS13)	Stainless steel casting
Stainless Steel (SCS14)	Stainless steel casting

Non-ferrous Metals

Material	Name
Aluminium Alloy	—
Aluminium Alloy (ADC)	Aluminium alloy die casting
Aluminium Alloy (AC)	Aluminium alloy casting
Zinc Alloy	—
Zinc Alloy (ZDC)	Zinc alloy die casting
Zinc Alloy (BRIC)	A kind of zinc alloy die casting
Brass	—
Free Cutting Brass	—
Phosphor Bronze	—
Phosphor Bronze for Spring	—
Nickel Silver	—
Copper Alloy Casting (CAC)	—
Magnesium Alloy (MDC)	Magnesium alloy die casting
Titanium Alloy	—

Magnets

Material	Name
Ferrite	—
Neodymium	—
Samarium Cobalt	Samarium-cobalt
Alnico	—

Plastics

Material	Name
ABS Resin	Acrylonitrile butadiene styrene
AES Resin	Acrylonitrile ethylene propylene rubber styrene
AS Resin	Acrylonitrile styrene
Cellulose Acetate (CA)	—
Casein (CS)	—
Epoxy Resin (EP)	—
Ethylene Vinyl Acetate (EVA)	—
EVOH Resin	Ethylene vinyl alcohol
FRP	Unsaturated polyester + glass fibre
Melamine Resin (MF)	Melamine formaldehyde resin
Polyamide (PA)	—
Polycarbonate (PC)	—
Polyethylene (PE)	—
PEEK Resin	Polyether ether ketone
High Density Polyethylene (HDPE)	—
Chlorinated Polyethylene (CPE)	—
PBT Resin	Polybutylene terephthalate
PET Resin	Polyethylene terephthalate
Phenol resin (PF)	Phenol formaldehyde resin
Methacrylic Resin (PMMA)	Polymethyl methacrylate
Polyacetal (POM)	—
Polypropylene (PP)	—
PPO Resin	Polypropylene oxide
PPS Resin	Polyphenylene sulfide
PPE Resin	Polyphenylene ether
Polystyrene (PS)	—
High Impact Polystyrene (HIPS)	—
Polytetrafluoroethylene (PTFE)	Polytetrafluoroethylene
Polyvinyl Chloride (PVC)	Polyvinyl chloride
Polyimide (PI)	—
Polyamideimide (PAI)	—
Polyetherimide (PEI)	—
Silicone Resin (SI)	Silicone plastic
Urea Resin (UF)	Urea formaldehyde resin
Unsaturated polyester Resin (UP)	—
~Elastomer	Elastomer

Rubbers

Material
Natural Rubber (NR)
Styrene Butadiene Rubber (SBR)
Butadiene Rubber (BR)
Isoprene Rubber (IR)
Nitrile Rubber (NBR)
Chloroprene Rubber (CR)
Ethylene Propylene Rubber (EPDM)
Isobutylene Isoprene Rubber (IIR)
Urethane Rubber (UR)
Polyurethane Rubber (PUR)
Silicone Rubber (Q)
Fluoro Rubber (FKM)
Synthetic Rubber

DOOR WEIGHT TABLE

Door Weight Calculator

The below density is only for reference and it may differ depending on their material and specification.
For door sizes not listed in the table below, please use the Door Weight Calculator.

Calculation: Door Weight (kg) = Density (Specific Gravity) × Door Height (mm) × Door Width (mm) × Door Thickness (mm) ÷ 1,000,000

Wooden Door Weight (kg)

Door Type	MDF (Density 0.8)					Particle Board (Density 0.6)					Plywood (Density 0.6)					Flush (Density 0.5)				
Door Thickness mm / Door Size mm	16	19	22	25	35	16	19	22	25	35	16	19	22	25	35	16	19	22	25	35
300× 400	1.5	1.8	2.1	2.4	3.4	1.2	1.4	1.6	1.8	2.5	1.2	1.4	1.6	1.8	2.5	1.0	1.1	1.3	1.5	2.1
300× 500	1.9	2.3	2.6	3.0	4.2	1.4	1.7	2.0	2.3	3.2	1.4	1.7	2.0	2.3	3.2	1.2	1.4	1.7	1.9	2.6
300× 600	2.3	2.7	3.2	3.6	5.0	1.7	2.1	2.4	2.7	3.8	1.7	2.1	2.4	2.7	3.8	1.4	1.7	2.0	2.3	3.2
300× 700	2.7	3.2	3.7	4.2	5.9	2.0	2.4	2.8	3.2	4.4	2.0	2.4	2.8	3.2	4.4	1.7	2.0	2.3	2.6	3.7
300× 800	3.1	3.6	4.2	4.8	6.7	2.3	2.7	3.2	3.6	5.0	2.3	2.7	3.2	3.6	5.0	1.9	2.3	2.6	3.0	4.2
300× 900	3.5	4.1	4.8	5.4	7.6	2.6	3.1	3.6	4.1	5.7	2.6	3.1	3.6	4.1	5.7	2.2	2.6	3.0	3.4	4.7
300×1000	3.8	4.6	5.3	6.0	8.4	2.9	3.4	4.0	4.5	6.3	2.9	3.4	4.0	4.5	6.3	2.4	2.9	3.3	3.8	5.3
400× 500	2.6	3.0	3.5	4.0	5.6	1.9	2.3	2.6	3.0	4.2	1.9	2.3	2.6	3.0	4.2	1.6	1.9	2.2	2.5	3.5
400× 600	3.1	3.6	4.2	4.8	6.7	2.3	2.7	3.2	3.6	5.0	2.3	2.7	3.2	3.6	5.0	1.9	2.3	2.6	3.0	4.2
400× 700	3.6	4.3	4.9	5.6	7.8	2.7	3.2	3.7	4.2	5.9	2.7	3.2	3.7	4.2	5.9	2.2	2.7	3.1	3.5	4.9
400× 800	4.1	4.9	5.6	6.4	9.0	3.1	3.6	4.2	4.8	6.7	3.1	3.6	4.2	4.8	6.7	2.6	3.0	3.5	4.0	5.6
400× 900	4.6	5.5	6.3	7.2	10.1	3.5	4.1	4.8	5.4	7.6	3.5	4.1	4.8	5.4	7.6	2.9	3.4	4.0	4.5	6.3
400×1000	5.1	6.1	7.0	8.0	11.2	3.8	4.6	5.3	6.0	8.4	3.8	4.6	5.3	6.0	8.4	3.2	3.8	4.4	5.0	7.0
400×1100	5.6	6.7	7.7	8.8	12.3	4.2	5.0	5.8	6.6	9.2	4.2	5.0	5.8	6.6	9.2	3.5	4.2	4.8	5.5	7.7
400×1200	6.1	7.3	8.4	9.6	13.4	4.6	5.5	6.3	7.2	10.1	4.6	5.5	6.3	7.2	10.1	3.8	4.6	5.3	6.0	8.4
500× 600	3.8	4.6	5.3	6.0	8.4	2.9	3.4	4.0	4.5	6.3	2.9	3.4	4.0	4.5	6.3	2.4	2.9	3.3	3.8	5.3
500× 700	4.5	5.3	6.2	7.0	9.8	3.4	4.0	4.6	5.3	7.4	3.4	4.0	4.6	5.3	7.4	2.8	3.3	3.9	4.4	6.1
500× 800	5.1	6.1	7.0	8.0	11.2	3.8	4.6	5.3	6.0	8.4	3.8	4.6	5.3	6.0	8.4	3.2	3.8	4.4	5.0	7.0
500× 900	5.8	6.8	7.9	9.0	12.6	4.3	5.1	5.9	6.8	9.5	4.3	5.1	5.9	6.8	9.5	3.6	4.3	5.0	5.6	7.9
500×1000	6.4	7.6	8.8	10.0	14.0	4.8	5.7	6.6	7.5	10.5	4.8	5.7	6.6	7.5	10.5	4.0	4.8	5.5	6.3	8.8
500×1100	7.0	8.4	9.7	11.0	15.4	5.3	6.3	7.3	8.3	11.6	5.3	6.3	7.3	8.3	11.6	4.4	5.2	6.1	6.9	9.6
500×1200	7.7	9.1	10.6	12.0	16.8	5.8	6.8	7.9	9.0	12.6	5.8	6.8	7.9	9.0	12.6	4.8	5.7	6.6	7.5	10.5
500×1300	8.3	9.9	11.4	13.0	18.2	6.2	7.4	8.6	9.8	13.7	6.2	7.4	8.6	9.8	13.7	5.2	6.2	7.2	8.1	11.4
500×1400	9.0	10.6	12.3	14.0	19.6	6.7	8.0	9.2	10.5	14.7	6.7	8.0	9.2	10.5	14.7	5.6	6.7	7.7	8.8	12.3
500×1500	9.6	11.4	13.2	15.0	21.0	7.2	8.6	9.9	11.3	15.8	6.0	7.1	8.3	9.4	13.1	7.2	8.6	9.9	11.3	15.8
500×1600	10.2	12.2	14.1	16.0	22.4	7.7	9.1	10.6	12.0	16.8	7.7	9.1	10.6	12.0	16.8	6.4	7.6	8.8	10.0	14.0
500×1700	10.9	12.9	15.0	17.0	23.8	8.2	9.7	11.2	12.8	17.9	8.2	9.7	11.2	12.8	17.9	6.8	8.1	9.4	10.6	14.9
500×1800	11.5	13.7	15.8	18.0	25.2	8.6	10.3	11.9	13.5	18.9	8.6	10.3	11.9	13.5	18.9	7.2	8.6	9.9	11.3	15.8

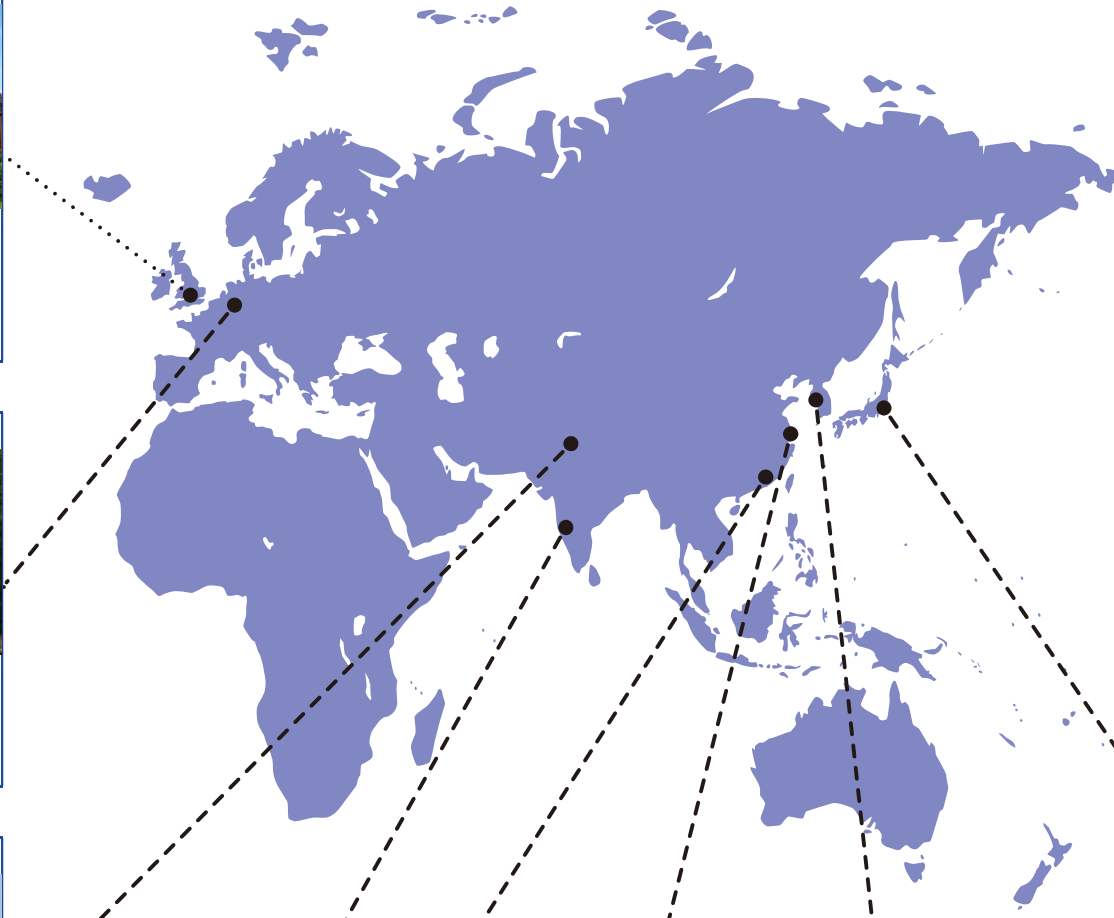
Glass Door Weight (kg)

Glass Door Thickness mm	4 (Density 2.5)							5 (Density 2.5)							6 (Density 2.5)						
Door Width mm / Door Height mm	300	400	500	600	700	800	900	300	400	500	600	700	800	900	300	400	500	600	700	800	900
300	0.9	1.2	1.5	1.8	2.1	2.4	2.7	1.1	1.5	1.9	2.3	2.6	3.0	3.4	1.4	1.8	2.3	2.7	3.2	3.6	4.1
350	1.1	1.4	1.8	2.1	2.5	2.8	3.2	1.3	1.8	2.2	2.6	3.1	3.5	3.9	1.6	2.1	2.6	3.2	3.7	4.2	4.7
400	1.2	1.6	2.0	2.4	2.8	3.2	3.6	1.5	2.0	2.5	3.0	3.5	4.0	4.5	1.8	2.4	3.0	3.6	4.2	4.8	5.4
450	1.4	1.8	2.3	2.7	3.2	3.6	4.1	1.7	2.3	2.8	3.4	3.9	4.5	5.1	2.0	2.7	3.4	4.1	4.7	5.4	6.1
500	1.5	2.0	2.5	3.0	3.5	4.0	4.5	1.9	2.5	3.1	3.8	4.4	5.0	5.6	2.3	3.0	3.8	4.5	5.3	6.0	6.8
550	1.7	2.2	2.8	3.3	3.9	4.4	5.0	2.1	2.8	3.4	4.1	4.8	5.5	6.2	2.5	3.3	4.1	5.0	5.8	6.6	7.4
600	1.8	2.4	3.0	3.6	4.2	4.8	5.4	2.3	3.0	3.8	4.5	5.3	6.0	6.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1
650	2.0	2.6	3.3	3.9	4.6	5.2	5.9	2.4	3.3	4.1	4.9	5.7	6.5	7.3	2.9	3.9	4.9	5.9	6.8	7.8	8.8
700	2.1	2.8	3.5	4.2	4.9	5.6	6.3	2.6	3.5	4.4	5.3	6.1	7.0	7.9	3.2	4.2	5.3	6.3	7.4	8.4	9.5
750	2.3	3.0	3.8	4.5	5.3	6.0	6.8	2.8	3.8	4.7	5.6	6.6	7.5	8.4	3.4	4.5	5.6	6.8	7.9	9.0	10.1
800	2.4	3.2	4.0	4.8	5.6	6.4	7.2	3.0	4.0	5.0	6.0	7.0	8.0	9.0	3.6	4.8	6.0	7.2	8.4	9.6	10.8
850	2.6	3.4	4.3	5.1	6.0	6.8	7.7	3.2	4.3	5.3	6.4	7.4	8.5	9.6	3.8	5.1	6.4	7.7	8.9	10.2	11.5
900	2.7	3.6	4.5	5.4	6.3	7.2	8.1	3.4	4.5	5.6	6.8	7.9	9.0	10.1	4.1	5.4	6.8	8.1	9.5	10.8	12.2
950	2.9	3.8	4.8	5.7	6.7	7.6	8.6	3.6	4.8	5.9	7.1	8.3	9.5	10.7	4.3	5.7	7.1	8.6	10.0	11.4	12.8
1000	3.0	4.0	5.0	6.0	7.0	8.0	9.0	3.8	5.0	6.3	7.5	8.8	10.0	11.3	4.5	6.0	7.5	9.0	10.5	12.0	13.5
1050	3.2	4.2	5.3	6.3	7.4	8.4	9.5	3.9	5.3	6.6	7.9	9.2	10.5	11.8	4.7	6.3	7.9	9.5	11.0	12.6	14.2
1100	3.3	4.4	5.5	6.6	7.7	8.8	9.9	4.1	5.5	6.9	8.3	9.6	11.0	12.4	5.0	6.6	8.3	9.9	11.6	13.2	14.9
1150	3.5	4.6	5.8	6.9	8.1	9.2	10.4	4.3	5.8	7.2	8.6	10.1	11.5	12.9	5.2	6.9	8.6	10.4	12.1	13.8	15.5

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September 2024

Global Network



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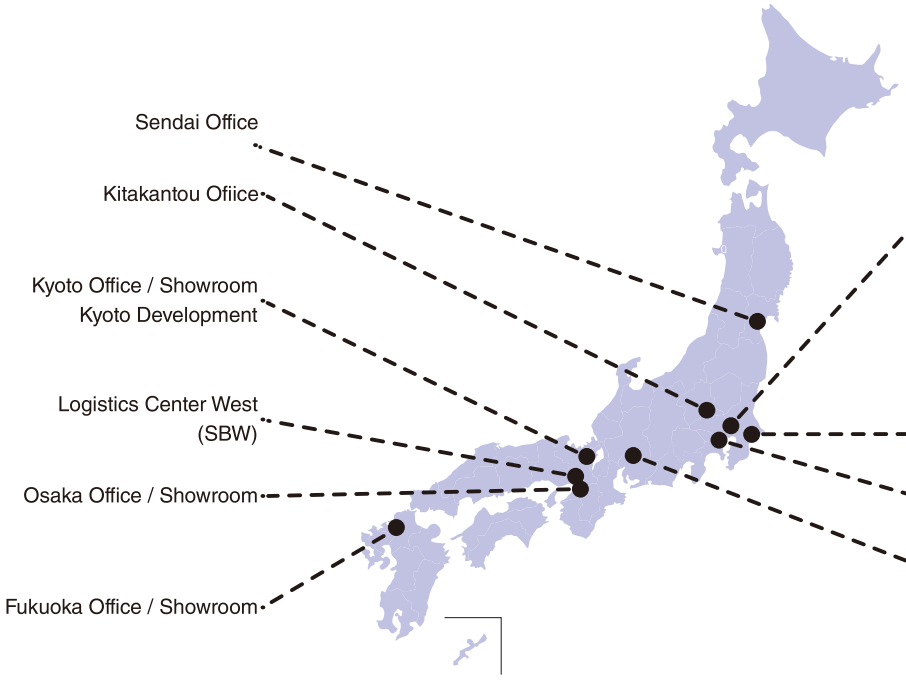
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Kitakantou Ofiice
Kyoto Office / Showroom
Kyoto Development
Logistics Center West
(SBW)
Osaka Office / Showroom
Fukuoka Office / Showroom

Tokyo Head Office / Showroom
Tokyo Development

Export Department
1-8-11 Higashikanda, Chiyoda-ku
Tokyo 101-8633,Japan
Tel : +81-3-3866-2260
Fax : +81-3-3866-4447
E-mail : export@sugatsune.co.jp

Chiba Factory,
Chiba Development
Logistics Center(SBC)
Kanagawa Office
Nagoya Office / Showroom

Sugatsune's History



The first home shop after the war (1946)

1930	“Sugatsune Shoten” is founded by Tsunesaburo Sugasawara.Sells European style furniture hardware.
1943	The company changes its name to “Sugatsune Kogyo Co., Ltd.”, manufacturing metal accessories for communication until the end of the war.
1949	The company starts manufacture furniture hardware and architectural hardware.
1968	Capital is increased to 50 million yen. Shin-ohashi Sales Office is moved to the site of Tokyo Factory (Adachi-ku, Tokyo), and Adachi Sales Office is set up.
1969	Chiba Factory is constructed on the Trading Estate at Matsuo-cho in Chiba. This marked the beginning of mass production.
1975	Osaka Sales Office (current Osaka Branch) is opened.
1982	A logistics centre (S.B.C) with a floor area of 4,026m^2 is completed at the site of Chiba Factory. Sugatsune America Inc. is established in the United States.
1987	Sugatsune Kogyo comes up with an original damper technology “Lapcon”.
1992	Sugatsune Kogyo’s President Sugasawara is presented with a Medal with a Blue Ribbon by the government of Japan. A new logistics centre (S.B.C) with modern facilities is completed. (Floor area of 8,884m^2)
1998	Sugatsune Kogyo’s President Sugasawara receives Gold and Silver Rays, an Order of the Sacred Treasure. A technical centre is built at the site of Chiba Factory. Nagoya Sales Office is opened. The company registers for ISO 9001 certification.
2004	Sendai and Fukuoka sales offices are opened. An office and showroom are established in Shanghai, China.
2005	The largest showroom in the industry in Japan is opened at Iwamoto-cho, Chiyoda-ku, Tokyo. A large exhibition is held to commemorate the opening of the new showrooms in Tokyo and Osaka, and a new product presentation is held in Fukuoka and Sendai. Sugatsune UK is established in Great Britain. Shanghai Office is changed to Sugatsune Shanghai.
2006	A showroom is opened in Nagoya, and an exhibition is held to commemorate the opening of the new showroom. New head office building No.4 and No.5 are completed.
2007	A new building at logistics centre (S.B.C) is completed. (Floor area of 7,413m^2) Nagoya Sales Office is moved from Naka-ku to Kita-ku.
2009	The product concept “Motion Design Tech” is presented for giving further motion functions to the “opening and closing of doors or lids”.
2011	Kanagawa Sales Office is opened. Fukuoka Sales Office is moved and a showroom is opened. A showroom and sales office are opened in Chicago by Sugatsune America.
2012	Kyoto Sales Office is opened.
2013	Kyoto showroom is opened.
2015	Sugatsune Kogyo India Private Limited is established in India. A showroom is opened in Mumbai, India. A new logistics centre (SBW) is established in Osaka.
2016	Sugatsune Europe GmbH is established in Germany. Sugatsune Canada, Inc is established in Canada.
2017	The Monoflat LIN-X1000 wins a Reddot award.
2018	Sugatsune UK changes locations. Private exhibitions displaying new products are held in Tokyo, Osaka and Nagoya. In total, exhibitions are held in 13 cities across Japan. Sugatsune EU opens a showroom in Düsseldorf.
2019	Sales office opens in Northern Kanto. The LDD-V100 door damper wins both the Red Dot design award and also the iF design award. The head office moves to a new location.
2020	Sugatsune Kogyo celebrated its 90th anniversary.
2022	Sugatsune Korea is established as a local subsidiary in South Korea.

Company Profile

Company Name	Sugatsune Kogyo Co., Ltd.
President	Jun Sugasawara
Headquarters	Tokyo, Japan
Founded	February 11, 1930
Established	November 20, 1943
Capital	¥400,000,000
Number of Employees	497 (January, 2024)
Business Segment	Furniture fittings, Architectural hardware, Decorative hardware, Various import hardware, Industrial components hardware, IT industrial components, Custom-made items, Lighting part metal, Furniture metal, Fixtures furniture

Business Partner Countries & Regions

Sweden/Netherlands/Belgium/Spain/Portugal/France/Maltese/Monaco/Denmark/Sweden/Finland/Norway/Cyprus/Greece/Brazil/Argentina/Brazil/Argentina/Chile/Britain/Ireland/Germany/Italy/Austria/Oman/Bahrain/Jordan/Iran/Egypt/Qatar/India/Pakistan/SriLanka/Bangladesh/South Africa/Russia/Poland/Romania/Bulgaria/Estonia/Lithuania/Turkey/Israel/Lebanon/SaudiArabia/Kuwait/Australia/NewZealand/Indonesia/Singapore/Malaysia/Thailand/Myanmar/Vietnam/Philippines/Mongolia/China/HongKong/Taiwan/Korea

Registration

ISO 9001 : JSAQ384

ISO 14001 : JSAE597

(ISO 9001 : Sugatsune's bases in Japan,
ISO 14001 : Chiba Factory of Chiba Production Division and Logistics Centre of Logistics Division)

General Construction Business Licence No. :
Tokyo Metropolitan Governor Licence (General –25) No.140997

The Origin of LAMP Brand

The initial trademark for LAMP goods was derived by the company's founder, Tsunezaburo Sugasawara, from the Japanese symbol for "ordinary" (常). By separating this character into its component pieces, he took this to symbolize "the use of fire," which he chose to designate as a metaphor for wisdom and courage. He visualized this concept as a lamp. He thought that Sugatsune goods may, even if only a little, "brighten" society. Sugatsune's reliable quality is still represented by the logo to this day.

HAND_LAMP Mark
Founding time ~ Around 1990

LAMP Mark
Around 1990 ~ Now

Commitment to Quality and the Environment

All departments from planning, manufacturing to sales have a high awareness of quality, and through unremitting efforts, all the domestic bases in Japan have achieved ISO 9001 certification (registration No.: JSAQ384). We also actively engaged in environmental conservation activities, and achieved ISO 14001 certification (registration No.: JSAE597) at our development bases, namely Chiba Factory of Chiba Production Division and Logistics Centre of Logistics Division.

Quality Management System ISO 9001 certification (certification/registration) approved

Quality Policy: I consider the fundamentals and pursue the essential and ideal.

Sugatsune America, Sugatsune Europe, and Sugatsune Shanghai are also ISO 9001 certified.

Environmental Management System ISO 14001 certification (certification/registration) approved

Connect with Us on Social Media

Watch our product videos, including instructional guides on our YouTube channel.

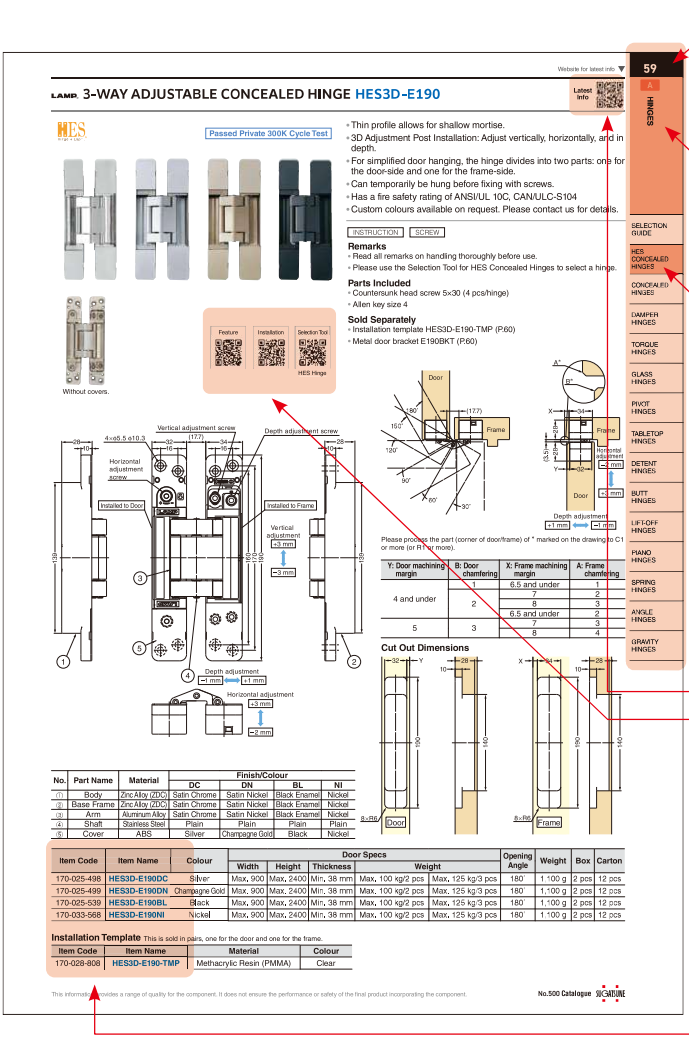
Sugatsune Global

Explore our product applications and stay updated on Instagram and Facebook.

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Description of Main Text

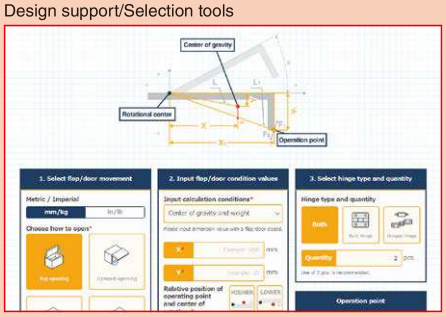


Viewable from the QR code.

Access website, videos and selection tools



Design support/Selection tools



With the selection tool Sasuga-kun, you can select the “Motion Design Tech” products meeting your requirements simply by entering values such as the size and weight of the lid or door. You can use it on our website.

Item Code	Item Name	Col
170-025-498	HES3D-E190DC	Silv
170-025-499	HES3D-E190DN	Champag
170-025-539	HES3D-E190BL	Bla
170-033-568	HES3D-E190NI	Nic

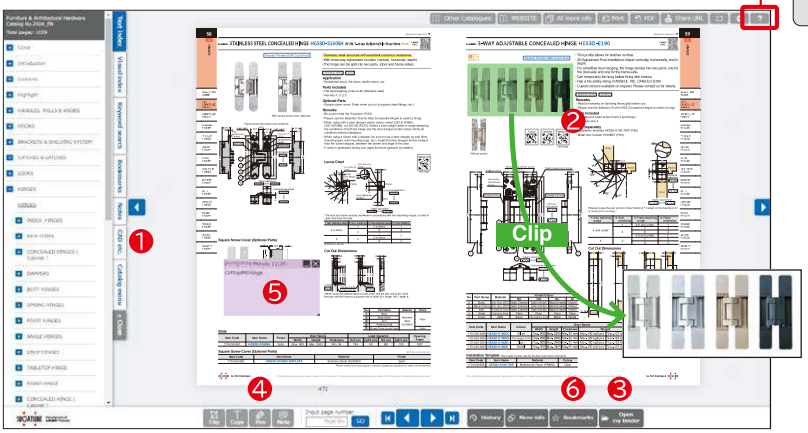
• Please specify the Item Name. and quantity when ordering.

Online Catalogue Functions

❶ CAD etc.
Access product information easily.

❷ Clip
Download images within the dragged area.

❸ MyBinder
Register favourites to MyBinder to download multiple catalogues together as a single PDF.



*Screens may be changed.

See Help for other functions and operation methods.

❹ Pen
Draw arrows, add frames, or take notes on the catalogue as desired.

❺ Note
Enter notes. Display only pages with sticky notes affixed.

❻ Bookmarks
Register favourite pages for easier reference later.

How to Use This Catalogue

- All items, unless specified, are made to exact metric dimension.
- Changes in dimensions, finishes, packing, etc., and suspension of production may occur without notice.
- Our liability is limited to the replacement of the merchandise.

Defective Products

- While great care is taken in the manufacturing of our products, should a defect arise, contact the dealer. The warranty period is one year from the date of our invoice. Should a defect arise during the warranty period, we will replace the product in question with a functioning product within the range of our responsibility.

Returns/Replacements/Post-Order Changes

- Returns and replacements will be handled upon confirming the actual product after customer consultation with a Sugatsune sales representative. Requests for returns or replacements must be made within 30 days of the date of our invoice.
  Please note that customers will be asked to cover handling charges for returns or replacements made at customer convenience.
- Please note that we may not be able to accommodate changes made after placing orders.

Precautions for Mounting

- Improper installation may not only cause the product to malfunction but could also result in damage. Handle with care.
  For some products, installation manuals are included or available online. Read the manual thoroughly to ensure correct installation.
- Pay attention to any loosened mounting screws or fastening parts. Screws or fastening parts may loosen due to the mounting conditions or the usage environment. Such loosening may result in decreased functionality or damage to the mounted product, as well as potential injuries. To ensure safe usage, retighten periodically, even if thread-locker is applied to the screws. Generally, retighten one month after initial use, again six months thereafter, and approximately every year subsequently. Note that these guidelines apply to specific conditions and do not guarantee product quality or safety. Their applicability to the product is to be judged by the customer.

Screws

- The included and recommended screws listed with the product conform to the former JIS standards.

CAD Data (3D & 2D)

- Register as a member on our website to download CAD data. Additionally, we will verify the registered data, as membership is intended for designers.

Product Information

- The information listed in this catalogue is current as of September 2024. Product prices, specifications, dimensions, colours, and other details may change without notice due to improvements or material price fluctuations; products may also be discontinued without notice. For the latest information, see our website.
- Due to the hard copy format, some specifications such as details of dimensions and shapes have been omitted.
  For more detailed information, please contact us.
- Many of the listed products include registered or pending designs, patents, and utility models.
- Due to the hard copy format, product colours may differ slightly from the actual products. Please refer to the actual product for accurate colour representation.
- The photographs and computer graphics in the catalogue are visualisations. Depending on the conditions, installation as shown may not be possible. Confirm before purchase.
- Data on specifications and performance, such as loads, weight, force, is listed for use as a guideline to product selection. The values shown are not guaranteed under all conditions.
- Product content listed in this catalogue indicates the quality range as parts. It does not guarantee the functionality, performance, or safety of the final product using these parts.
- Data when using our products with customer products may involve different figures depending on elements such as mounting accuracy, mounting method, temperature, humidity, dust, indoors/outdoors conditions, target product structure, material, size, installation conditions, and individual operation.
- For test content details, request a test report and confirm as needed.
- When using our products near the limits of the listed data, or when confirmation of safety or durability is required in order to prevent accidents, mount the actual product and confirm, or provide the most detailed possible explanation of the usage conditions to consult with us.
- With some exceptions, our products are furniture and architectural fittings for indoor use. Consult with a sales representative concerning use outdoors, near water, or in severe environments.
- Unauthorized reproduction of this catalogue is strictly prohibited.

Display Content

Material

For material notation, please see “Materials” on P.1367.

Finish (surface treatment)

Finish notations are displayed with the following abbreviations due to limitations of space.

Display	Finish
Bright Chromate	Zinc Plated Bright Chromate
Coloured Chromate	Zinc Plated Coloured Chromate

Coloured chromate is characterized by sharply varying hues; this is not a defect.

■Paint

Paint is displayed as follows. (e.g.) Powder Baked Enamel Paint/White

■Colour Display

There may be multiple display methods for a single colour.

(e.g.) White may be indicated as W, WT, or WH.
Black may be indicated as B or BL.
Silver may be indicated as S or SL.

Dimensional Units

The units for the listed dimensions are millimetres (mm) (unless otherwise stated).

Dimensional Error

The machining process inevitably results in a degree of product error. Be sure to confirm with the actual product before use.

Drawings

With some exceptions, drawings employ the third angle projection method. Due to limitations of space, some detailed dimensions, etc. may been omitted.

Weight

Notations indicate the weight for one product or one set only.

Load Capacity

The figures displayed for load capacity are examples of data we considered reliable and measured values in tests under conditions specified by us; they are not guaranteed values. As the values may vary depending on the usage method and application, be sure to make a selection upon confirmation of suitability for the application before use.

Units are shown in SI units based on the new measuring method, with MKS units also provided.

Quantity

Quantity, when notated, is shown as below.

1 box: Quantity in one small box displayed.
1 carton: Quantity in one cardboard box displayed.


SUGATSUNE



September 2024