



Since 1930, Sugastune has engineered and manufactured products that combine unparalleled quality, ingenious design and meticulous attention to detail. Headquartered in Tokyo, Japan, Sugatsune has global offices in the U.S., Canada, India, England, Germany and China where we continue to build upon our rich heritage for delivering precision engineered hardware solutions that incorporate safety, easy motion, efficiency and versatility. Sugatsune prides itself on our ability to develop and incorporate technology into our hardware so we can take concepts and turn them into trends.

In 1982, Sugatsune America, Inc. was established to inspire designers and industrial engineers in the U.S. to create new solutions with a line-up of precision engineered products hardware which today, totals over 6,000 products. We also have the capability to create customized solutions to meet unique application needs throughout a multitude of industries and the scale to maintain high quality standards throughout the development process even for modest production quantities.

Over the years, Sugastune has built a reputation for delivering exceptional product-technical and client service support with a knowledgeable staff that is available to help industrial engineers and designers realize their creations. And with local U.S. inventory at distribution centers strategically located in Carson, CA and Addison, IL, delivery of most products to most locations are within 1 to 2 days.

North America Offices

● **US Headquarters**
Carson, CA
1982

● **Showroom**
Chicago, IL
2011

● **Canadian Headquarters**
Montreal, QC
2016



SUGATSUNE



OUR MISSION

**To create convenience and
satisfaction for people.**

INDEX

Page 2-11	Hinges
Page 11	Torque Dampers
Page 12-15	Lid Supports
Page 16-20	Catches & Latches
Page 21-25	Drawer Slides
Page 26-27	Brackets & Shelf Supports
Page 28-31	Handles, Pulls & Knobs

Page 32-35	Hooks
Page 36-37	Casters & Leveling Glides
Page 38	Locks
Page 39-40	Miscellaneous

DISCLAIMER:

Specifications, features, illustrations, certifications and materials shown in this catalog are based upon the latest available information at the time of publication. Although descriptions are believed to be correct, accuracy cannot be guaranteed. Sugatsune reserves the right to make changes at any time, without notice or obligation, in finishes, materials, sizes, specifications and availability and disclaims any and all liability for typographical, printing or production errors or changes affecting the products and/or specifications contained herein. Actual performance of products may vary based upon many factors and may be less than stated. Differences in construction and build materials, designs or configurations may affect product performance and therefore, the customer is solely responsible for making the final selection of the product(s) to be used and to assure that all performance, safety and warning requirements of the application are satisfied.

Certifications

AS9120B



This standard includes ISO 9001:2015 quality management system requirements and specifies additional aviation, space, and defense industry requirements, definitions, and notes.

It is emphasized that the requirements specified in this standard are complementary (not alternative) to customer and applicable statutory and regulatory requirements.

*Registered for Sugatsune America, Inc.

ISO 9001



Sugatsune Kogyo Co. LTD.

Management Systems Enhancement Department of the Japanese Standards Association (JSA) registers the Quality Management system of these organizations, which conforms to JIS Q 9001:2008, ISO 9001:2008

Design development, production and purchase sale of Furniture Fittings, Building Hardware, Machinery Hardware, Electronic and Communication Equipment Steel Furniture and Lobby Furnishings.

*Registered for Global Headquarter Sugatsune Kogyo Co.,Ltd.

ISO 14001



Sugatsune Kogyo Co. LTD.

Management Systems Enhancement Department of the Japanese Standards Association (JSA) registers the Environmental Management System of the above organization, which conforms to the following Environmental Management System standards within the scope in the Appendix specified below:

Environmental Management System Standard: JIS Q 14001:1996, ISO 14001:1996

Appendix: Appendix to the Certificate of Registration JSAE 597-2002

*Registered for Global Headquarter Sugatsune Kogyo Co.,Ltd.

NSF



NSF International RECOGNIZES SUGATSUNE AMERICA, INC. CARSON,CA

AS COMPLYING WITH NSF C2.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
AUTHORIZED TO BEAR THE NSF MARK.

SUGATSUNE's NSF Certified Products are designed to meet Food Equipment Industry Standard.
SUGATSUNE's NSF Certified part numbers are subject to change without notice.
When placing an order please specify NSF products.

RoHS



SUGATSUNE has started changing products to comply with the European RoHS directive. Hexavalent Chromium is changed to either chromium free or trivalent chromium. Most of the stainless steel products do not contain Hexavalent Chromium. Please contact sales for RoHS compliant product information.

SEMI



SUGATSUNE's SEMI compliant products are designed to meet SEMI S8, a safety guideline for ergonomics engineering of semiconductor manufacturing equipment.

Motion Design Tec®



For smooth movement

Soft motion



Hold in any position

Free-stop motion



Helps you open

Power assist motion



Snap and stop

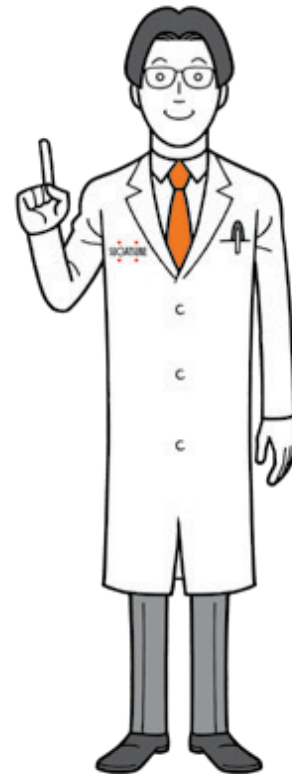
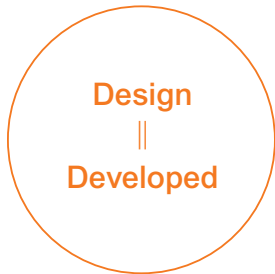
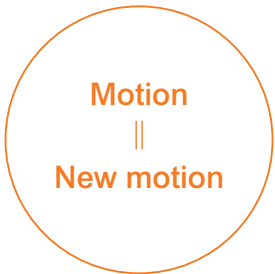
Click motion



New openings

Unique motion

What is Sugatsune's "Motion Design Tech"?



Motion Design Tech is Sugatsune's unique product concept to provide specialized movement solutions for your flaps and doors.

The operability of doors or lids can be improved by incorporating the 5 types of motions in the work environment.

It can also improve the efficiency of work involving opening and closing movements, increasing the added value of the device and equipment.

Motion Design Tech Lab (Development laboratory)
Mr. ISHIGAYA, researcher

- Multi: DesignTEC
- HINGES
- TORQUE DAMPERS
- LID SUPPORTS
- CATCHES & LATCHES
- DRAWER SLIDES
- BRACKETS & SHELF SUPPORTS
- HANDLES/PULLS/KNOBS
- HOOKS
- CASTERS/LEVELING GLIDES
- LOCKS
- MISCELLANEOUS

	Product Image	Item No.	Description	Weight/Torque	Material/Finish
Butt Hinges		LSA, LSB Series 	Butt Hinge 6 sizes available with or without holes.	Load Capacity: 13~66 lbs/pair (6~30 kg/pair)	304 Stainless Steel Finish: Mirror
		KHA Series 	Butt Hinge 10 sizes available.	Load Capacity: 11~42 lbs/pair (5~19 kg/pair)	304 Stainless Steel Finish: Polished
		4040/SS 	Butt Hinge	Load Capacity: 88 lbs/pair (40 kg/pair)	304 Stainless Steel Finish: Satin
		LSF 	Butt Hinge 4 sizes available.	Load Capacity: 61.7~149.9 lbs/pair (28~68 kg/pair)	316 Stainless Steel Finish: Mirror
		28300, 28400 	Butt Hinge 2 sizes available.	Load Capacity: 8.8 lbs/pair (4 kg/pair)	316 Stainless Steel Finish: Polished
		28100 	Butt Hinge	Load Capacity: 8.8 lbs/pair (4 kg/pair)	316 Stainless Steel Finish: Polished
		HG-BF1 	Butt Hinge	Load Capacity: 35 lbs/pair (16 kg/pair)	304 Stainless Steel Finish: Plain

	Product Image	Item No.	Description	Weight/Torque	Material/Finish
Spring Hinges		HG-SH 	Butt Hinge (w/Spring) 4 sizes available.	Load Capacity: 2.20~15.4 lbs/pair (1~7 kg/pair)	304 Stainless Steel Finish: Plain
		HG-SHL 	High Durability Spring Hinge • Spring loaded to keep doors closed.	Load Capacity: 8.8~13.2 lbs/pair (4~6 kg/pair)	303 Stainless Steel, 304 Stainless Steel Finish: Polished

	Product Image	Item No.	Description	Weight/Torque	Material/Finish
Clean Room Hinges		HG-CV127 	Heavy Duty Clean Room Hinge	Load Capacity: 220 lbs/pair (100 kg/pair)	304 Stainless Steel Finish: Satin
		HG-P100 	Clean Room Hinge	Load Capacity: 22 lbs/pair (10 kg/pair)	PVC, Titanium
		HG-CV 	Clean Room Hinge	Load Capacity: HG-CV-65: 18 lbs/pair (8 kg/pair) HG-CV-100: 29 lbs/pair (13 kg/pair)	Aluminum, Polyacetal, 304 Stainless Steel Finish: Anodized, White

	Product Image	Item No.	Description	Weight/Torque	Material/Finish
Lift-Off Hinges		KN 	Lift-Off Hinge	Load Capacity: 17.6~37.5 lbs/pair (8~17 kg/pair)	304 Stainless Steel Finish: Polished
		LSX-100 	Lift-Off Hinge	Load Capacity: 66 lbs/pair (30 kg/pair)	304 Stainless Steel Finish: Mirror
		HNH 	Lift-Off Hinge (Weld on Type)	Load Capacity: 28.6~94.8 lbs/pair (13~43 kg/pair)	304 Stainless Steel Finish: Mirror
		S-6166-2 	Lift-Off Hinge (Weld on Type)	Load Capacity: 88 lbs/pair (40 kg/pair)	304 Stainless Steel Finish: Satin
		S-6166-6 	Lift-Off Hinge (Weld on Type)	Load Capacity: 198 lbs/pair (90 kg/pair)	304 Stainless Steel Finish: Satin
		S-6173-2 	Lift-Off Hinge	Load Capacity: 88 lbs/pair (40 kg/pair)	304 Stainless Steel Finish: Satin
		S-6173-5 	Lift-Off Hinge	Load Capacity: 110 lbs/pair (50 kg/pair)	304 Stainless Steel Finish: Satin
		SKH 	Lift-Off Hinge	Load Capacity: 17.6~63.9 lbs/pair (8~29 kg/pair)	304 Stainless Steel Finish: Satin

	Product Image	Item No.	Description	Weight/Torque	Material/Finish
Flag Hinges		HG-KM 	Heavy Duty Flag Hinge	Load Capacity: 660~1,080 lbs/pair (300~490 kg/pair)	304 Stainless Steel Finish: Plain
		HG-KH 	Heavy Duty Flag Hinge	Load Capacity: 660~1,080 lbs/pair (300~490 kg/pair)	304 Stainless Steel Finish: Plain

	Product Image	Item No.	Description	Weight/Torque	Material/Finish
Detachable Hinges		HG-OT 	Quick Release Hinge (Handed)	Load Capacity: 6.6~15.4 lbs/pair (3~7 kg/pair)	304 Stainless Steel Finish: Satin
		BN 	Detachable Hinge	Load Capacity: 19.8~26.4 lbs/pair (9~12 kg/pair)	304 Stainless Steel Finish: Plain
		TS-243 	Concealed Hinge (w/ Removable Pin)	Load Capacity: 61.6~74.8 lbs/pair (28~34 kg/pair)	304 Stainless Steel for TS-243-30S / Steel for TS-243-30 Finish: Plain

	Product Image	Item No.	Description	Weight/Torque	Material/Finish
Double Action Hinges		HG-BH 	Double Action Hinge	Load Capacity: 6 lbs/pair (2.6 kg/pair)	304 Stainless Steel Finish: Satin

	Product Image	Item No.	Description	Weight/Torque	Material/Finish
Pivot Hinges		PP 	Inset Door Pivot Hinge	Load Capacity: 6 lbs/pair (2.6 kg/pair)	430 Stainless Steel Finish: Plain
		WP 	Overlay Door Pivot Hinge	Load Capacity: 4 lbs/pair (1.8 kg/pair)	430 Stainless Steel Finish: Plain
























	Product Image	Item No.	Description	Weight/Torque	Material/Finish
Pivot Hinges		PL-65 	Overlay Door Pivot Hinge	Load Capacity: 9 lbs/pair (4 kg/pair)	430 Stainless Steel Finish: Plain
		HG-PV60AC 	Spring Loaded Pivot Hinge (Weld On Type)	Torsion moment (Hinge closed): 0.66lbs- in/pc (0.76 kg-cm/pc)	304 Stainless Steel Finish: Plain

	Product Image	Item No.	Description	Weight/Torque	Material/Finish
Detent Hinges		HG-YJ50 	Detent Hinge • Plastic hinge holds doors at 4 different positions without secondary support.	Load Capacity: 3 lbs/pair (1.2 kg/pair)	Polyacetal, 303 Stainless Steel Finish: Ivory, Black
		HG-YC105 	Detent Hinge • Snaps in at 115° open position. • Holds door without secondary support.	Max. Torque: 10.4 lbs-in/piece (12 kg-cm/piece)	304 Stainless Steel Finish: Polished
		HG-CSH63 	Detent Hinge (w/ or w/o damper) • Available with a built-in damper. • Soft-close feature and lid free hold. • 100° operating angle.	Detent Holding force: 8.8lbs in/piece (10.2 kg-cm) Damper Torque: 9 ~ 22 lbs-in (10.2 ~ 25.5 kg-cm)	Zinc Alloy Finish: Silver
		HG-MPS2 	Detent Hinge • Plastic hinge holds door at 3 different positions. • Ideal for equipment with light weight doors such as measuring devices and medical equipment.	Load Capacity: 2.2 lbs/pair (0.99 kg/pair) Catch Release Torque: Opening angle (-10°, 170°): 2.3 lbs-in (2.7) (120°) 1.3 lbs-in (1.5)	PBT and ABS Finish: White, Black

	Product Image	Item No.	Description	Weight/Torque	Material/Finish
Ratchet Hinge		HG-RCT12-C 	Ratchet Hinge • Holds angles in 5° increments from closed position to open. • Lift up to the fully opened position to release the ratchet mechanism. • The friction (resistance) function works even when released for safe operation.	Max. Torque: 354 lbs-in/pair (408 kg-cm/pair)	Steel, PC Finish: Nickel

Motion DesignTec
HINGES
TORQUE DAMPERS
LID SUPPORTS
CATCHES & LATCHES
DRAWER SLIDES
BRACKETS & SHELF SUPPORTS
HANDLES/PULLS/KNOBS
HOOKS
CASTERS/LEVELING GLIDES
LOCKS
MISCELLANEOUS

	Product Image	Item No.	Description	Weight/Torque	Material / Finish
Torque Hinges		HG-TQJ100	One Way Adjustable Torque Hinge <ul style="list-style-type: none"> • Friction in one direction. • Torque strength adjustable. • 2 versions available. 	Torque Range: 0~88.7 lbs-in/piece (0~102 kg-cm/piece)	Zinc Alloy Polypropylene Steel Finish: Stain Chrome
		HG-TS	Torque Hinge	Torque Range: 3.1~13.3 lbs-in/piece (3.6~15.3 kg-cm/piece)	Polyacetal, 303 Stainless Steel Finish: Polished
		SFTH	Torque Hinge <ul style="list-style-type: none"> • Stainless steel construction to sustain in corrosive environments. 	Torque Range: 4.3~50.3 lbs-in/piece (5~58 kg-cm/piece) Operating Temperature: -4F°~140F°	301/303/304 Stainless Steel Finish: Polished
		HG-IT	Torque Hinge	Torque Range: 21.7~60.8 lbs-in/piece ±20% (25~70 kg-cm/piece) Operating Temperature:	304 Stainless Steel, Phosphor Bronze, Steel, ABS Finish: Polished
		HG-TA	Torque Hinge <ul style="list-style-type: none"> • Free stop torque hinge. • Consistent torque throughout working range. • Ideal for LCD monitors, camera monitors, and displays. 	Torque Range: 17.7~39.8 lbs-in/piece ±20% (24.4~45.9 kg-cm/piece)	430 Stainless Steel Finish: Plain
		HG-TB	Torque Hinge <ul style="list-style-type: none"> • Free stop torque hinge. • Consistent torque throughout working range. • Ideal for LCD monitors, camera monitors, displays etc. 	Torque Range: 17.7~39.8 lbs-in/piece ±20% (24.4~45.9 kg-cm/piece)	430 Stainless Steel, 303 Stainless Steel, Steel Finish: Plain
		HG-DTB	Detent Torque Hinge <ul style="list-style-type: none"> • Built-in detent feature. • No additional catch required. 	Torque Range: 3.55~7.10 lbs-in/piece (4.08~8.16 kg-cm/piece) ± 20%	304 Stainless Steel, 303 Stainless Steel
		HG-TU	Hidden Torque Hinge <ul style="list-style-type: none"> • Installed on the back side of door. • Used for horizontal and vertical applications. 	Torque Range: 3.1~6.2 lbs-in/piece (3.6~7.1 kg-cm/piece)	430 Stainless Steel Finish: Polished
		HG-T30S15	Torque Hinge (Dual Axis) <ul style="list-style-type: none"> • Dual Axis: Free stop between 0°~200° (tilting) and 360° swiveling. • Provides torque stability in both directions. 	Max. Torque: (Tilting): 26.5 lbs-in/piece ±20% Max. Torque: (Swiveling): 13.0 lbs in/piece ±20%	430 Stainless Steel, 303 Stainless Steel, Steel, Phosphor Bronze Finish: Polished
		HG-T70S30	Torque Hinge (Dual Axis) <ul style="list-style-type: none"> • Dual Axis: Free stop between 0°~200° (tilting) and 360° swiveling. • Provides torque stability in both directions. 	Max Torque: (Tilting): 62 lbs-in/piece ±15% Max Torque: (Swiveling): 26.6 lbs-in/piece ±15%	430 Stainless Steel, 303 Stainless Steel

Product Image	Item No.	Description	Weight/Torque	Material / Finish
	HG-KNT 	Lift-Off Torque Hinge • Hinge with friction torque lift of feature for easy removal.	Torque Range: 2.5~13.0 lbs-in/pair ±20% (3.1~16.3 kg-cm/pair ±20%)	304 Stainless Steel, Polyacetal, Polyamide, PTFE Finish: Polished
	HG-S 	Swivel Torque Hinge • Rotation angle: 360° • Free stop function. • Use for industrial control panels and monitors.	Max. Torque 6.2~88.7 lbs-in/piece (7.14~102.1 kg-cm/piece)	430 Stainless Steel, 303 Stainless Steel Finish: Barrel Polished
	HG-VH8 	Combination Hinge • For light weight lids & doors. • Customizable combination (soft-close or open, self-close or open, and/or free stop).	Torque Range: 0.19~3.10±0.89 lbs-in/piece (0.22~3.07±1.02 kg-cm/piece)	Polyacetal
	HG-JHM14 	Soft-Close Dampening Hinge	Torque Range: 4.3~17 lbs-in/piece (5~20 kg-cm/piece)	Polyacetal, PBT Plastic, ABS Plastic, 304 Stainless Steel Finish: Black or White
	HG-MF 	Compact Torque Hinge • Free stop hinge.	Max. Torque: 2.00 lbs-in/piece (2.5 kg-cm/piece) ± 33%	Polyacetal 304 Stainless Steel Finish: Black, White
	HG-JHM16 	Soft-Close Dampening Hinge	Torque Range: 29.5~43.4 lbs-in/piece (34~50 kg-cm/piece)	Aluminum, Polyacetal, ABS, 304 Stainless Steel Finish: Black, White/Black
	HG-JH14-50 	Stainless Steel Soft-Close Dampening Hinge	Torque Range: 26~44 lbs-in/pair (30~51 kg-cm/pair)	SCS13 Stainless Steel, 304 Stainless Steel, PBT Plastic Finish: Mirror, Plain
	UDD + UDD-BKT 	Disk Damper + Bracket	Torque Range: 4.4~26.6 lbs-in/piece (5.1~30.6 kg-cm/piece)	UDD: ABS Plastic, Steel BKT: 304 Stainless Steel Finish: Light Grey, Nickel 
	HG-PA270 	Power Assist Hinge • Reduces effort to open lid/door. • Soft closing. • More sizes available.	Max. Torque: 400±10% lbs-in/piece (459± 10% kg-cm/piece)	430 Stainless Steel, PBT Plastic, Polyacetal Finish: Light Grey 
	HG-JH210 	Stainless Steel Lift Assist Hinge • Assists in opening heavy doors.	Max. Torque: 182 lbs-in/piece (210 kg-cm/piece)	316 Stainless Steel Finish: Mirror 

Torque/Damper Hinges

HINGES

TORQUE DAMPERS

LID SUPPORTS

CATCHES & LATCHES

DRAWER SLIDES

BRACKETS & SHELF SUPPORTS

HANDLES/ PULLS/ KNOBS

HOOKS



CASTERS/ LEVELING GLIDES

LOCKS

MISCELLANEOUS

	Product Image	Item No.	Description	Weight/Torque	Material/Finish
Detent Hinges		MPH 	Micro Detent Hinge • Designed for 160° opening, and detent catch in open and close positions	Weight: 0.46~0.98 g	Polyacetal, Steel Finish: Grey, Silver, Black

	Product Image	Item No.	Description	Weight/Torque	Material/Finish
Glass Door Hinges		GH-34/0/S-P 	Inset Glass Door Hinge • For glass/acrylic doors. • Door Thickness: 5/32~15/64" (4~6 mm)	Load Capacity: 8.8 lbs/pair (4 kg/pair)	304 Stainless Steel Finish: Plain
		GH-34/8/S-P 	Half Overlay Glass Door Hinge • For glass/acrylic doors. • Door Thickness: 5/32~15/64" (4~6 mm)	Load Capacity: 8.8 lbs/pair (4 kg/pair)	304 Stainless Steel Finish: Plain
		GHC-34/0 	Inset Glass Door Hinge • For glass/acrylic doors. • Door Thickness: 5/32~15/64" (4~6 mm)	Load Capacity: 8.8 lbs/pair (4 kg/pair)	Steel, Brass Finish: Chrome/Black
		GH-34/8 	Half Overlay Glass Door Hinge • For glass/acrylic doors. • Door Thickness: 5/32~15/64" (4~6 mm)	Load Capacity: 8.8 lbs/pair (4 kg/pair)	Steel, Brass, PVC, Steel Finish: Chrome/Black
		GH-34-0CR-K 	Inset Glass Door Hinge • For glass/acrylic doors. • Door Thickness: 5/32~15/64" (4~6 mm)	Load Capacity: 8.8 lbs/pair (4 kg/pair)	Steel, Zinc Alloy, PVC Finish: Chrome
		GH-34-8CR-K 	Half Overlay Glass Door Hinge • For glass/acrylic doors. • Door Thickness: 5/32~15/64" (4~6 mm)	Load Capacity: 8.8 lbs/pair (4 kg/pair)	Steel, Zinc Alloy, PVC Finish: Chrome
		GHC-34-8CR-K 	Half Overlay Glass Door Hinge (w/Catch) • For glass/acrylic doors. • Door Thickness: 5/32~15/64" (4~6 mm)	Load Capacity: 8.8 lbs/pair (4 kg/pair)	Steel, Zinc Alloy, PVC, Polyacetal Finish: Chrome
		XL-GH03-48-0 	Inset Glass Door Hinge • Medium size for glass/acrylic doors. • Door Thickness: 3/16~5/16" (5~8 mm)	Load Capacity: 26.4 lbs/pair (12 kg/pair)	304 Stainless Steel, Zinc Alloy, Polyethylene Finish: Mirror
		XL-GH01-600 	Glass Door Hinge • Door Thickness: 5/32~5/16" (4~8 mm) • Pressure fit hinge, requires no drilling.	Load Capacity: 24 lbs/pair (11 kg/pair)	304 Stainless Steel Finish: Polished
		XL-GH01-250 	Glass Door Hinge • Door Thickness: 5/32~5/16" (4~8 mm) • Pressure fit hinge, requires no drilling.	Load Capacity: 10.5 lbs/pair (4.8 kg/pair)	304 Stainless Steel Finish: Polished

Product Image	Item No.	Description	Weight/Torque	Material/Finish
	RK-50	Concealed Hinge	Load Capacity: 5.7 lbs/pair (2.6 kg/pair)	304 Stainless Steel Finish: Polished
	R Series	Concealed Hinge	Max. Door Size : W17- 23/32" x H27-9/16" x t53/64" (W432 x H686 x t21mm)	Zinc Alloy, 304 Stainless Steel, 303 Stainless Steel, Steel Finish: Satin, Chrome
	HES3D-70	3-Way Adjustable Concealed Hinge For 3/4" (19 mm) Doors	Load Capacity: 19.8 lbs/pair (9 kg/pair) 26.4 lbs/3pcs (12 kg/3pcs)	Zinc Alloy Finish: Dull Chrome, Dull Nickel, Black
	HES3D-90	3-Way Adjustable Concealed Hinge For 15/16" (23 mm) Doors	Load Capacity: 26 lbs/pair (12 kg/pair) 35 lbs/3pcs (16 kg/3pcs)	Zinc Alloy Finish: Dull Chrome, Dull Nickel, Black
	HES3D-120	3-Way Adjustable Concealed Hinge For 1-1/8" (29 mm) Doors	Load Capacity: 66 lbs/pair (30 kg/pair) 88 lbs/3pcs (40 kg/3pcs)	Zinc Alloy Finish: Dull Chrome, Dull Nickel, Black
	HES3D-120BKT	Steel Mounting Bracket on steel doors and frames, used with HES3D-E120	-	Steel Finish: Zinc/Chromate
	HES3D-E190	3-Way Adjustable Concealed Hinge For 1-1/2" (38 mm) Doors	Load Capacity: 220 lbs/pair (100 kg/pair) 275 lbs/3pcs (125 kg/3pcs)	Zinc Alloy Finish: Polished Nickel, Dull Chrome, Dull Nickel, Matte Black
	HES3D-E190BKT	Steel Mounting Bracket on steel doors and frames, used with HES3D-E190	-	Steel Finish: Zinc/Chromate
	304B-46/19 (Free Swing) 304B-C46/19 (Self-Closing)	Self-Closing 3/4"(19mm) Overlay 304B-46/19	Load Capacity: 11 lbs/pair (5 kg/pair) 17.5 lbs/3pcs (8 kg/3pcs)	304 Stainless Steel Finish: Polished
	304B-46/14 (Free Swing) 304B-C46/14 (Self-Closing)	Self-Closing 35/64"(14mm) Overlay 304B-46/14	Load Capacity: 11 lbs/pair (5 kg/pair) 17.5 lbs/3pcs (8 kg/3pcs)	304 Stainless Steel Finish: Polished
	304B-46/9 (Free Swing) 304B-C46/9 (Self-Closing)	Self-Closing 23/64"9mm Overlay 304B-46/9	Load Capacity: 11 lbs/pair (5 kg/pair) 17.5 lbs/3pcs (8 kg/3pcs)	304 Stainless Steel Finish: Polished
	304B-P3A, P4A/32, P4A/32-3W	One, Two, Three-way mounting plate for 304B Hinges.	Load Capacity: 11 lbs/pair (5 kg/pair) 17.5 lbs/3pcs (8 kg/3pcs)	304 Stainless Steel Finish: Plain

Concealed Hinges

Motion
DesignTEC

HINGES

TORQUE
DAMPERS

LID
SUPPORTS

CATCHES &
LATCHES

DRAWER
SLIDES

BRACKETS
& SHELF
SUPPORTS

HANDLES/
PULLS/
KNOBS

HOOKS

CASTERS/
LEVELING
GLIDES

LOCKS

MISCELLANEOUS

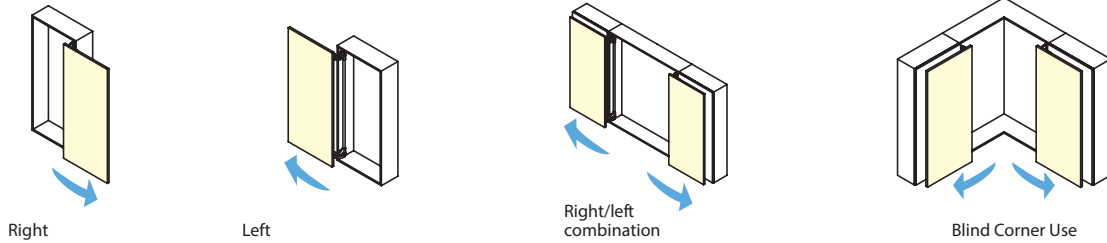
	Product Image	Item No.	Description	Weight/Torque	Material / Finish
European Concealed Hinges		J95-24/25T (Free Swing) J95-C24/25T (Self-Closing)	Full Overlay Heavy Duty Concealed Hinge	Load Capacity: 55 lbs/pair (25kg/pair), 88 lbs/3pcs (40kg/3pcs)	Steel, Zinc Alloy Nickel
		J95-24/16T (Free Swing) J95-C24/16T (Self-Closing)	Half Overlay Heavy Duty Concealed Hinge	Load Capacity: 55 lbs/pair (25kg/pair), 88 lbs/3pcs (40kg/3pcs)	Steel, Zinc Alloy Nickel
		J95-24/0T (Free Swing) J95-C24/0T (Self-Closing)	Inset Heavy Duty Concealed Hinge	Load Capacity: 55 lbs/pair (25kg/pair), 88 lbs/3pcs (40kg/3pcs)	Steel, Zinc Alloy Nickel
		J95ZC-NI/GR	Mounting Plate Cover	-	Nickel/Grey
		J95SC-NI/GR	Safety Cover	-	Nickel/Grey
		GH-J95FP	Glass Door Hinge Cover For J95 Hinges	-	Chrome/Satin, ZDC, POM
		H95TS	Concealed Hinge (Clip On)	-	Material: Steel Finish: Nickel

	Product Image	Item No.	Description	Weight/Specifications	Material/Finish
Tabletop Hinges		SMH-83	Tabletop Hinge	Load Capacity: 8.8 lbs/pair (4 kg/pair)	304 Stainless Steel, Steel Satin, Chrome
		SDH-P	Drop Lid Hinge (3-Way Adjustment)	Door Thickness: 5/8"~25/32" (16~20 mm)	Steel, ABS Finish: Nickel, Black, White
		LSD-30	Piano Hinge	Length: 9-29/64"~35-7/16" (240~900 mm)	304 Stainless Steel Finish: Satin
		HG-MH	Tabletop Piano Hinge	Length: 15-3/4"~43-5/16" (400~1100 mm)	Aluminum Body/ 304 Stainless Steel Finish: Silver, Brown, Black



	Product Image	Item No.	Type	Weight/Torque	Material/Finish
Lateral Opening Hinges		LIN-X1000 	Heavy Duty Lateral Opening Door Hinge	Load Capacity: 198 lbs/door (90 kg/door)	Steel/Aluminum Finish: White, Matte Black
		LIN-X600 	Lateral Opening Door Hinge	Load Capacity: 52.8 lbs/door (24 kg/door)	Steel/Aluminum Finish: Nickel, Anodized
		LIN-X450 	Lateral Opening Door Hinge	Load Capacity: 37.5 lbs/door (17 kg/door)	Steel/Aluminum Finish: Nickel, Anodized

Lateral Opening Door Configurations



	Product Image	Item No.	Type	Weight/Torque	Material / Finish
Rotary & Disk Dampers		SDT-47A, 57A	Disk Damper (Two-Way)	Torque Range: 17.36~40.80 lbs-in (20~47 kg·cm)	Steel Nylon w/ Glass Fiber
		SDN-47A, 63A	Disk Damper (One-Way)	Torque Range: 17.4~73.8 lbs-in (20~85 kg·cm)	Steel Nylon w/ Glass Fiber
		SRT-E2	Rotary Damper (Two-Way)	Torque Range: 0.14~0.56 in-oz (10~40 gf·cm)	Polycarbonate Polyacetal
		SRT-C2, SRN-C2	Rotary Damper (One / Two-Way)	Torque Range: 2.78~4.17 in-oz (200~300 gf·cm)	Polycarbonate Polyacetal 303 Stainless Steel
		SRT-D2, SRN-D2	Rotary Damper (One/Two Way)	Torque Range: 6.94~20.83 in-oz (500~1500 gf·cm)	Polycarbonate Polyacetal 420 Stainless Steel

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TORQUE DAMPERS

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CATCHES & LATCHES

DRAWER SLIDES

BRACKETS

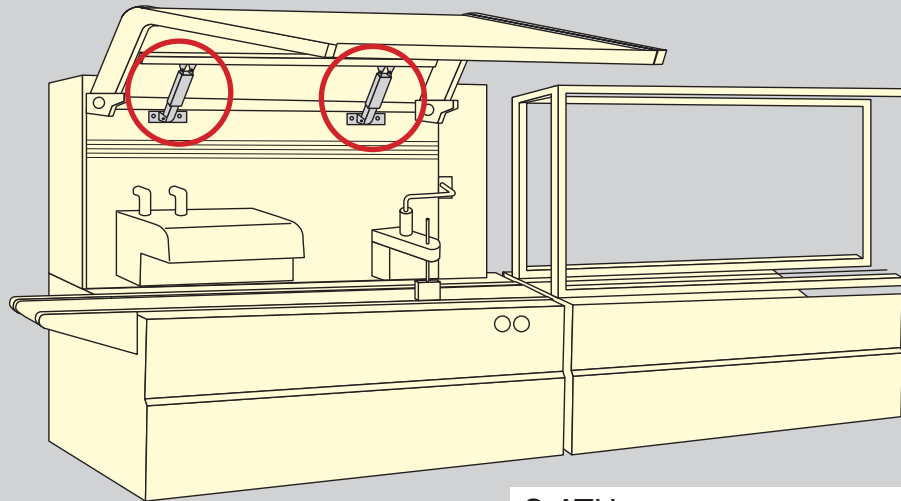
HANDLES/PULLS/KNOBS

HOOKS

CASTERS/LEVELING GLIDES

LOCKS

MISCELLANEOUS



S-ATH
Used for Heavy Top Covers

	Application	Item No.	Application	Description
Lid Support Systems		SLUN 	Upward Opening 	VERTICAL SWING LIFT-UP MECHANISM • Lapcon lift-assist feature to provide smooth motion. • Adjustable arm mounting plate. Recommended door sizes: Door Width: 23-5/8~35-7/16" (600~900 mm) Door Height: 15-23/64~17-23/32" (390~450 mm) Load Capacity: 6.2~12.8 lbs/piece (2.8~5.8 kg/piece)
		SLU-ELAN 		VERTICAL LIFTING MECHANISM • Lift-assist. • Multiple-stop stay. Load Capacity: 11~24.2 lbs/piece (5~11 kg/piece)
		SLS-ELAN 	Upward Opening 	EASY LIFT-UP MECHANISM • Simple installation. • Lift assist and free stop for upward opening doors. Torque Range: 48~87 lbs-in/piece (55~100 kgf-cm/piece)
		SLD 	Downward Opening 	VERTICAL SWING DOWN MECHANISM • Lapcon lift-assist feature to provide smooth motion. • Hold doors at open position. Recommended door sizes: Door Width: 25-5/8~35-7/16" (600~900 mm) Door Height: 14-1/8~15-3/4" (390~400 mm) Load Capacity: 6.6~13.2 lbs/piece (3~6 kg/piece)

	Application	Item No.	Application	Description
Downward, Upward, Top Opening		SDS 	Downward Opening Upward Opening Top Opening 	SOFT-DOWN STAY <ul style="list-style-type: none"> • One-way dampening movement for smooth and soft movement. • Quick and easy installation. • Non-handed: Can be installed on left or right side. Torque Range: 4.3~60 lbs-in/piece (5.0~69.1 kgf-cm/piece)
		NSDX 	 	ADJUSTABLE SOFT-DOWN STAY <ul style="list-style-type: none"> • Adjustable closing speed. • Keeps flaps or lids from slamming shut. • Handed: Specific left and right hand mounting. Torque Range: 8.7~60 lbs-in/piece (10.0~69.1 kg-cm/piece)
		HDS 		HEAVY DUTY SOFT-DOWN STAY <ul style="list-style-type: none"> • Keeps flaps for lids from slamming shut. • Used in pairs. Torque Range: 121~260 lbs-in/piece (139.4~299.6 kg-cm/piece)
Downward Opening		CSD-10-TV 	Downward Opening 	SOFT-DOWN STAY <ul style="list-style-type: none"> • Designed for smaller cabinet doors in media centers or TV consoles. • Adjustable opening speed. • Holds lid in closed position. Torque Range: L-Type (Light Duty): 8.8~17.7 lbs-in/piece (10.2~20.4 kg-cm/piece) M-Type (Medium Duty): 17.7~26.6 lbs-in/piece (20.4~30.6 kg-cm/piece) H-Type (Heavy Duty): 26.6~35.4 lbs-in/piece (30.6~40.8 kg-cm/piece)
		HDS-10S 		SELF CLOSE STAY <ul style="list-style-type: none"> • When pushed to close, HDS-10S is designed to self close and soft close. • Used in pairs. Torque Range: 52~156 lbs-in/pair (60~180 kg-cm/pair)
		S-19 		DOWNWARD OPENING LID STAY <ul style="list-style-type: none"> • Keeps lids from over extending. • Can be installed individually or in pairs. • Handed: specific left and right hand mounting.
Top-Opening		HDS-20S 	Top-Opening 	SELF OPENING LID STAY <ul style="list-style-type: none"> • Lid will self open past the free stop angle. • HDS-20S is designed to hold door in fully opened position. • Used in pairs. Torque Range: 61~130 lbs-in/pair (70~150 kg-cm/pair)
		F-100, 150, 200, 250 		TOP OPENING LID STAY <ul style="list-style-type: none"> • Keeps lids from over extending. • Handed: Specific left and right hand mounting.

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HINGES
TORQUE DAMPERS
LID SUPPORTS
CATCHES & LATCHES
DRAWER SLIDES
BRACKETS
HANDLES/PULLS/KNOBS
HOOKS
CASTERS/LEVELING GLIDES
LOCKS
MISCELLANEOUS

	Application	Item No.	Application	Description
Top Opening		S-YT 		TOP OPENING SPRING LOADED LID STAY • Spring mechanism assists in lifting door and holds it into position. Max. Torque: 26~34 lbs-in/piece (30~40 kgf-cm/piece)
		S-AT 		TOP OPENING SPRING LOADED LID STAY • Heavy duty spring loaded lid stay. Max. Torque: 78-104 lbs-in/piece (90~120 kgf-cm/piece)
		S-AT02W 		HEAVY DUTY SPRING LOADED LID STAY • Heavy duty spring mechanism assists in lifting door and holds in open position (10~80°). • Side or back mount type. Side Mount: Max. Torque: 156.5~186.1 lbs-in/piece (180~124 kgf-cm/piece) Side Back Mount: Max. Torque: 133~146.1 lbs-in/piece (153~168 kgf-cm/piece)
		S-ATH 		HEAVY DUTY SPRING LOADED LID STAY • For heavy top covers. • 2 types of stays available for different lid shapes. • Lift assist can be adjusted. Torque Range: 530~617 lbs-in/piece (610~710 kgf-cm/piece)
		S-52T15 		TOP OPENING TORQUE LID STAY • Friction torque to hold lid at any position in its range of motion. • Can be installed individually or in pairs. Max. Torque: 13.3 lbs-in/piece (15.3 kgf-cm/piece) ± 20%
		S-100T30 		TOP OPENING TORQUE LID STAY • Friction torque to hold lid at any position in its range of motion. • Can be installed individually or in pairs. Max. Torque: 26.5lbs-in/piece (30.6 kgf-cm/each) ±20%/piece
		F-300 		TOP OPENING LID STAY • Keeps lids from over extending. • Non-handed: Can be installed on the left or right side.
		S-91,92,93 		TOP OPENING LID STAY • Locks lid in fully opened position. • Can be installed individually or in pairs. Load Capacity: 66~88 lbs/piece (30~40kg/piece)
	Upward Opening			L-100S
		L-SL140 	MINI LID STAY W/ LOCK • Automatically locks lid/panel when fully opened. • Push button release. • Can be installed individually or in pairs. Load Capacity: 33 lbs/piece (15 kg/piece)	
 		L-195 L-270 	UPWARD OPENING LID STAY • Holds lids and panels in fully opened position. • Lift up lid to release. • Can be installed individually or in pairs. Load Capacity: 33 lbs/piece (15 kg/piece)	

	Application	Item No.	Application	Description
Upward Opening		LB-CV215A 		UPWARD OPENING LID STAY (CLEAN ROOM) • Holds lids and panels in fully opened position. • No metal-to-metal contact. • Ideal for cleanroom, semiconductor and food industry applications. Load Capacity: 33 lbs/piece (15 kg/piece)
		LB-S 		UPWARD OPENING LID STAY (HEAVY DUTY) • Holds lids and panels in fully opened position. • Lift up lid to release. Load Capacity: 214 lbs/piece (97 kg/piece)
		L-FS350A 		MULTI-ANGLED STAY (W/LOCK) • Locks lid in multiple positions by manually sliding lock lever. • Ideal for vibration or shock applications. Load Capacity: 66 lbs/piece (30 kg/piece)
		LSP 		UPWARD OPENING LID STAY (W/LOCK) • Automatically locks lids when fully open. • Ideal for vibration or shock environment. • Can be installed individually or in pairs. Load Capacity: 66 lbs/piece (30 kg/piece)
		S-TAR 		UPWARD, TOP AND DOWNWARD OPENING TORQUE LID STAY • Friction torque to hold the lid open at any position along its range of motion. • Adjustable torque strength. Torque Range: 0 ~ 61.7 lbs-in/piece (0~71 kgf-cm/piece)
		S-20 		UPWARD OPENING LID STAY (w/ Catch) • Keeps lids from over extending. • Can be installed individually or in pairs. • Handed: Specific left and right hand mounting. Load Capacity: 92.1 lbs/piece (41.8 kg/piece)
		S-21 		UPWARD OPENING LID STAY (w/ Catch) • Lid stay with ball catch for light weight doors. • Catch automatically holds lid in opened position. • Handed: Specific left and right hand mounting. Load Capacity: 69 lbs/piece (31.5 kg/piece)
Outward Opening		SAD-160 		DOOR OPENER • Holds doors open at 90°. • Right handed use only.
Foot Stays		YF 		FOOT STAY • Mechanically locks door when fully open. • Mounts at the bottom of the door. Load Capacity: 110 ~ 132 lbs/piece (50 ~ 60kg/piece)
Lid Stoppers		LAD-ST 		LID STOPPER • Ideal for bars, restaurants and reception countertops. • Angle stopper designed to hold open at 95°. • Smooth, soft closing for heavy countertops. Torque Range: 70.1~141.9 lbs-in/piece (81.6~163.2 kg-cm/piece)

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TORQUE
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LATCHES

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SUPPORTS

HANDLES/
PULLS/
KNOBS

HOOKS

CASTERS/
LEVELING
GLIDES

LOCKS

MISCELLANEOUS

Product Image	Item No.	Description	Magnetic/Retaining Force	Material	Finish
	MC-JM45 	SEALED MAGNETIC CATCH • Strong magnetic force. • For clean room environment. • Only unit is NSF.	6.6 lbs (3 kg)	Polypropylene, Neodymium	White Black
	MC-JM63G 	SEALED MAGNETIC CATCH • Hermetically Sealed. • Strong magnetic force.	3.3~11 lbs (1.5 ~ 5 kg)	Polyacetal, Neodymium	Light Grey
	MC-JMS45WT 	SEALED MAGNETIC CATCH • Magnetic force pivots for better contact with counterplate.	6.6 lbs (3 kg)	304 Stainless Steel, Polypropylene, Rubber, Neodymium	White
	MC-JMF54 	SEALED MAGNETIC CATCH (SNAP IN TYPE) • Ideal for high corrosion environments.	5.7 lbs (2.6 kg)	Polypropylene, Polyacetal, Neodymium	White Black
	MC-MSH 	SEALED MAGNETIC CATCH • Sealed with silicone rubber to reduce noise when door closes. • Strong magnetic force.	4.4~8.8 lbs (2~4 kg)	Silicone Rubber Neodymium 304 Stainless Steel	Blue Nickel Plain
	MC-MS45/50 	SEALED MAGNETIC CATCH • Sealed with silicone rubber to reduce noise when door closes. • Optional counterplate sold.	4.4~8.8 lbs (2~4 kg)	Silicone Rubber Neodymium 304 Stainless Steel	Light Grey Dark Grey
	MC-JMP45 (White Only) 	SEALED COUNTERPLATE • Sealed strike eliminates metal particles when applied with MC-JM sealed magnetic catches. • Strong magnetic force.	-	Polypropylene Steel	White Black
	MC-158, MC-159 MC-159-8 	ULTRA THIN MAGNETIC CATCH • Max. temperature: 80°C (176°F)	3.3~11 lbs (1.5 ~ 5 kg) MC-159-8: 17.6 lbs (8 kg)	Steel, Neodymium	Nickel
	MC-159-SUS 	ULTRA THIN STAINLESS STEEL MAGNETIC CATCH • Stainless Steel ultra thin magnetic catch with extra strong magnetic force.	11.0 lbs (5 kg)	430 Stainless Steel, Neodymium	Nickel
	MC-YN001P MC-YN015SP MC-YN016HP 	ULTRA THIN MAGNETIC CATCH • Unique ultra thin magnetic catch design ideal for tight spaces. • Max. temperature: 80°C (176°F)	5.9 lbs (2.7 kg) 5.0 lbs (2.3 kg) 3.3~6.2 lbs (1.5 ~ 2.8)	Neodymium Steel	Nickel, Plain, Polished
	MC0083-N 	STAINLESS STEEL MAGNETIC CATCH • Ultra thin magnetic catch.	30.8 lbs (14 kg)	304 Stainless Steel Neodymium	Plain Nickel
	MC-0083D, 0083 	HEAVY DUTY MAGNETIC CATCH • Strong magnetic force.	15.4~22 lbs (7 ~ 10 kg)	Brass Steel Ferrite Aluminum	Nickel Anodized
	MC-YN005HP 	HIGH TEMPERATURE MAGNETIC CATCH • Suitable for high temperature environments up to 482°F (250°C)	4.4~11 lbs (2.0~5.1 kg)	430 Stainless Steel, Samarium Cobalt, 304 Stainless Steel	Plain

	Product Image	Item No.	Description	Magnetic/Retaining Force	Material	Finish
Magnetic Catches		MC0083HP 	HIGH TEMPERATURE MAGNETIC CATCH • Suitable for high temperature environments up to 250° C (482°F). • Strong magnetic force.	15.6~31.5 lbs (7.1~14.3 kg)	304 Stainless Steel, 430 Stainless Steel, Samarium Cobalt 	Plain
		MC-FS34 	MAGNETIC CATCH (SNAP-IN TYPE) • Snap-in magnetic catch for sheet metal applications. • Compact size.	2.9~4.8 lbs (1.3~2.2)	Polyamide Steel Ferrite, Polyacetal	Grey Black White
		MC-YSW 	MAGNETIC CATCH (SNAP-IN TYPE) • Snap-in magnetic catch for sheet metal applications. • Compact size. • Flex tab allows for easy removal.	2.6~6.6 lbs (1.2~3.0)	Polyacetal Steel Neodymium	White Black
		MC-FP 	MAGNETIC CATCH (SNAP-IN TYPE) • Snap-in magnetic catch for sheet metal applications.	9.9 lbs (4.5 kg)	ABS Steel Neodymium	White Black
		MMC-12 	MINI MAGNETIC CATCH (SNAP-IN TYPE) • Snap-in magnetic catch for plastic case applications. • Small size for light weight applications.	0.22~0.66 lbs (0.1~0.3 kg)	Polyamide Ferrite Steel	Black
		SUPER-78	MAGNETIC CATCH	1.7 lbs (0.8 kg)	Aluminum Steel Ferrite	Brown Lacquered
Magnetic Touch Latches		ML-30S 	MAGNETIC TOUCH LATCH • Push to latch/unlatch. • Eliminates needs for handles or knobs.	2.6 lbs (1.2 kg)	ABS Steel Ferrite	White Brown
		ML-80 	MAGNETIC TOUCH LATCH • Push to latch/unlatch. • Eliminates needs for handles or knobs.	3.5 lbs (1.6 lbs)	ABS Steel Ferrite	White Brown Black
		ML-120 	MAGNETIC TOUCH LATCH (LONG STROKE) • Long stroke for medium size doors. • Push to latch/unlatch. • Eliminates needs for handles or knobs.	5.2 lbs (2.4 kg)	ABS Steel Ferrite	White Brown
Counterplates		MC-JM49 	STAINLESS STEEL COUNTERPLATE • High corrosion resistant.	Use with MC-JM	304 Stainless Steel (Equivalent)	Polished
		AS-68 	STAINLESS STEEL COUNTERPLATE • Special plate for MC-JM magnetic catches. • Corrosion resistant.	Use with MC-JM	430 Stainless Steel 	Plain
Lever Latches		LL-66S 	STAINLESS STEEL LEVER LATCH • Designed to be used on doors without knobs or handles.	44 lbs (20 kg)	SCS14 Stainless Steel, 316 Stainless Steel 	Mirror

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HINGES

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DAMPERS

 LID
SUPPORTS

 CATCHES &
LATCHES

 DRAWER
SLIDES

 BRACKETS
& SHELF
SUPPORTS

 HANDLES/
PULLS/
KNOBS

HOOKS

 CASTERS/
LEVELING
GLIDES

LOCKS

MISCELLANEOUS

	Product Image	Item No.	Description	Magnetic/Retaining Force	Material	Finish				
HINGES		LL-66	LEVER LATCH	44 lbs (20 kg)	Polyamide, Steel	White, Brown, Grey				
			<ul style="list-style-type: none"> Designed to be used on doors without knobs or handles. 							
CATCHES & LATCHES		MLC-HT130BL	NON-MAGNETIC TOUCH LATCH HIGH TEMP. (LONG STROKE)	26.4 lbs (12 kg)	Polypropylene, Neodymium, Glass Filled Polyamide, 304 Stainless Steel, Glass Filled PBT	Black				
			<ul style="list-style-type: none"> Push to latch/unlatch. Long Stroke 40mm (1-9/16)" Suitable for high temperature environment up to 120°C (248°F) Adjustable strike plate. 							
			MLC-100				NON-MAGNETIC TOUCH LATCH (LONG STROKE)	20.2 lbs (9.2 kg)	PBT Steel Polyacetal, Glass Filled Polyamide	White Black
			<ul style="list-style-type: none"> Long stroke 40mm (1-9/16)" Push to latch/unlatch. Adjustable strike plate. 							
			MC-37				NON-MAGNETIC TOUCH LATCH	Retaining Force: 17.6 lbs (8 kg)	ABS Polyacetal, Polyamide	Black Brown White
			<ul style="list-style-type: none"> Push to latch/unlatch. Strong retaining force. Floating strike allows for easy alignment. 							
			MC-28				NON-MAGNETIC TOUCH LATCH	Retaining Force: 6.6 lbs (3 kg)	ABS	Black
<ul style="list-style-type: none"> Push to latch/unlatch. Touch latch with floating strike allows for easy alignment. 										
HANDLES/PULLS/KNOBS		BCTS	STAINLESS STEEL TENSION CATCH	Push Force: 4.4~12.5 lbs (2.0~5.7 kg) Pulling Force: 2.9~8.5 lbs (1.3~3.9 kg)	316 Stainless Steel	Polished				
			<ul style="list-style-type: none"> 316 stainless steel catch for high-corrosion resistance. Tension force is not adjustable. Available in 3 sizes. 							
			BCT				STAINLESS STEEL TENSION CATCH	Push Force: 9.7~10.1 lbs (4.1~4.6 kg) Pulling Force: 3~3.5 lbs (6.6~7.7 kg)	Zinc Alloy	Chrome
<ul style="list-style-type: none"> Tension force is not adjustable. Available in 3 sizes. 										
CASTERS/LEVELING GLIDES		6900, 6901	ROTARY CATCH	Push Force: 2.4~4.8 lbs (1.1~2.2 kg) Pulling Force: 3.5~7 lbs (1.6~3.2 kg)	Polyacetal Polyethylene	White Brown				
			<ul style="list-style-type: none"> Grabs and holds doors tightly. 							
LOCKS		D-CATCH	KNUCKLE CATCH	Push Force: 6.8 lbs (3.1 kg) Pulling Force: 5.9 lbs (2.7 kg)	Polyacetal Polyamide	White Black				
			<ul style="list-style-type: none"> Grabs and holds doors tightly. 							
MISCELLANEOUS		K-CATCH	KNUCKLE CATCH	Push Force: 12.5 lbs (5.7 kg) Pulling Force: 15.6 lbs (7.1 kg)	Polyacetal Polyamide	White				
			<ul style="list-style-type: none"> Grabs and holds doors tightly. 							
MISCELLANEOUS		DC	DAMPER CATCH	Door Weight: 8.8~15.4lbs (4~7 kg)	Polyacetal Zinc Alloy ABS PBT	Dark Grey Light Grey				
			<ul style="list-style-type: none"> Catch with built-in damper, closes doors smoothly. Slim design suitable for various inset and overlay door installations. Available for both wood and glass 							

	Product Image	Item No.	Description	Magnetic/Retaining Force	Material	Finish
Knob Latches		DPL-RO 	PUSH KNOB LATCH • Knob and latch combined. • Latch securely locks the door with deadbolt.	Holding Force: 22 lbs (10 kg)	Zinc Alloy ABS	Gold Chrome
		DPL-SQ 	PUSH KNOB LATCH • Knob and latch combined. • Knob pops out when pressed to open the door.	Holding Force: 22 lbs (10 kg)	Zinc Alloy ABS	Gold Chrome Satin Nickel
Draw Latches		SCC-60/SS 	COMPRESSION DRAW LATCH • Spring loaded design compensates for tolerance and vibrations. • Provides constant hold tensions for secure latching.	Load Capacity: 134 lbs (61 kg)	304 Stainless Steel 	Polished
		PS 	DRAW LATCH • Models designed for use with padlock.	Load Capacity: 22~33 lbs (10~15 kg)	304 Stainless Steel 	Polished
		STF-CV150 	DRAW LATCH (CLEAN ROOM) • No metal-to-metal contact. • Ideal for clean room, semiconductor, and food industry applications.	Load Capacity: 727 lbs (330 kg)	316 Stainless Steel Polypropylene	Satin Mirror
		STF-100 	DRAW LATCH (W/SAFETY LOCK) • With safety lock to prevent accidental release. • Push safety button and lift to release.	Load Capacity: 176 lbs (80 kg)	304 Stainless Steel 	Satin
Barrel Bolts		BL-SS 	SPRING LOADED BARREL BOLT • Knob springs back into sleeve to keep bolt in lock or unlocked position. • 2 counterplates included for different mountings.	-	304 Stainless Steel 	Satin
		BSS 	SPRING LOADED BARREL BOLT • Knob springs back into sleeve to keep bolt in locked or unlocked position. • 2 counterplates included for different mountings.	-	303 Stainless Steel, 304 Stainless Steel 	Satin
Slide Bolts		KR-50 	SLIDE BOLT • Tab style knob provides an easy grip. • 2 counterplates included for different mountings.	-	304 Stainless Steel 	Satin
		FL2 	SLIDE BOLT • Flat and compact design. • Knob will be latched in open and closed position.	-	304 Stainless Steel 	Satin
		FL4 	SLIDE BOLT • Flat and compact design. • Knob will be latched in open and closed position.	-	304 Stainless Steel 	Satin
Bar Latches		BLL 	SPRING LOADED BAR LATCH • Latch bolt snaps into the strike to prevent accidental release. • Push tab on strike to release.	-	304 Stainless Steel 	Polished
		SSL 	BAR LATCH • Unique slide-in bar keeps latch locked. • Slide out and lift the bar to release.	-	304 Stainless Steel 	Polished

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HOOKS

 CASTERS/
LEVELING
GLIDES

LOCKS



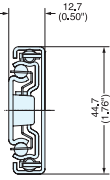


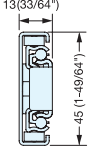
MISCELLANEOUS

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HINGES
TORQUE DAMPERS
LID SUPPORTS
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BRACKETS & SHELF SUPPORTS
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MISCELLANEOUS

	Product Image	Item No.	Description	Magnetic/Retaining Force	Material	Finish
Gate Latches		SSG	GATE LATCH • Gate latch with holes for pad lock. (Pad lock not included). • Lift and drop design keeps handle out of the way when not in use.	-	304 Stainless Steel	Satin
Hasps		HP-AK	LATCH HASP • hasp with built-in latch. - Snap on the flap to keep latch closed. - Slide the latch knob to release. • Flap is spring loaded in open direction.	-	304 Stainless Steel PVC (Cover)	Polished Cover: Black
		HP-635S, 645S, 660S	STAINLESS STEEL HASP • Rotating padlock eye allows hasp to stay fastened tight without a padlock. • Ideal for harsh and highly corrosive environments.	-	316 Stainless Steel	Electro Polished
Sliding Door Latches		HC-30L	SLIDING DOOR LATCH • Sliding door latch with large lever for easy operation. • Slim design suitable for various applications. • Non-handed.	-	304 Stainless Steel/ Brass/ Zinc Alloy	Satin
		HC-30HL	SLIDING DOOR LATCH W/ INDICATOR • Sliding door latch with indicator. • Large lever for easy operation. • Non-handed.	-	304 Stainless Steel, Brass, Zinc Alloy	Satin
		HC-70	SLIDING DOOR LATCH • Sliding door latch for surface mount installation. • Slide knob to lock and unlock. • Large knob for easy operation. • Non-handed.	-	304 Stainless Steel, Brass	Satin
		HC-70H	SLIDING DOOR LATCH W/ INDICATOR • Sliding door latch with indicator and large knob. • Slide knob to lock and unlock. • Non-handed.	-	304 Stainless Steel, Brass	Satin
		HHC-85	SLIDING DOOR LATCH W/ INDICATOR • Sliding door latch with indicator. • Slim design suitable for various applications. • Large lever for easy operation. • Non-handed.	-	304 Stainless Steel, Brass	Satin
		HC-65	SLIDING DOOR LATCH W/ INDICATOR • Surface mount type door latch with indicator. • Slim and compact design. • Slide knob to lock and unlock. • Non-handed.	-	304 Stainless Steel, Brass	Satin
		HC-65	SLIDING DOOR LATCH W/ INDICATOR • Surface mount type door latch with indicator. • Slim and compact design. • Slide knob to lock and unlock. • Non-handed.	-	304 Stainless Steel, Brass	Satin

Drawer Slide Terms

- **Soft Close** The slide soft closes on its own for the last 2~3” of movement.
- **Slide Length** The longest dimension of a fully closed slide. This dimension cannot exceed the depth of the cabinet into which it is installed.
- **Travel** The distance that a slide moves from the closed to a fully open position.
- **¾ Extension** The slide extends approximately ¾ of its length from the front edge of the cabinet front.
This is the normal travel of 2 member slides.
- **Full Extension** The full withdrawal of a drawer from the case .This is the normal travel of 3 member slides.
- **Positive Stop** Drawer stops at extended/open position, but does not lock or detent.
- **Positive Lock** Drawer is firmly held in the extended/out position. Drawer is released by depressing a lever and pushing the drawer inward.
The drawer can also be disconnected by depressing the lever and pulling the drawer outward.
- **Friction Brake Stop** ... Drawer stops at extended/open position by the resistance of the ball retainer.
Usually achieved by deforming the slide races to achieve an interference fit.
- **Hold-in Detent**..... Drawer is firmly held in the fully closed position. Drawer is released by pulling the drawer outward.
This feature is also known as a Positive Catch.
- **Front Disconnect** Drawer member can be disconnected by actuating the disconnect lever.
- **Quick Disconnect** A drawer bracket attaches to the drawer and engages the drawer member of the slide.

Item No.	Load Rating (pair)	Side View	Hold-in Detent	Hold-Out Detent	Positive Stop	Positive Lock	Positive Catch	Front Disconnect	Friction Brake Stop	Quick Disconnect	Others	Non-Handed
			Features									
ESR-SC4513  	68-82 lbs (31 - 37 kg)		•	•							Soft Close	
ESR-DC4513  	87-119lbs (40 - 54 kg)		•	•								•

Stainless Steel Full Extension Slides

Motion
DesignTEC

HINGES

TORQUE
DAMPERS

LID
SUPPORTS

CATCHES &
LATCHES

DRAWER
SLIDES

BRACKETS
& SHELF
SUPPORTS

HANDLES/
PULLS/
KNOBS

HOOKS


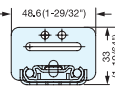

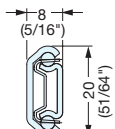

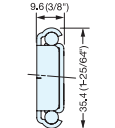

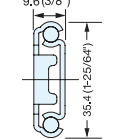

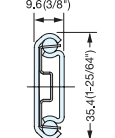

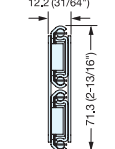
CASTERS/
LEVELING
GLIDES

LOCKS

MISCELLANEOUS

Stainless Steel Full Extension Slides

Item No.	Load Rating (pair)	Side View	Hold-In Detent	Hold-Out Detent	Positive Stop	Positive Lock	Positive Catch	Front Disconnect	Friction Brake Stop	Quick Disconnect	Others	Non-Handed
ESR-2031	28-37lbs (13 - 17 kg)				•							•
ESR-3813	64-98lbs (29 - 45 kg)		•		•			•				•
ESR-7	79-139lbs (36 - 64 kg)					•		•				•
ESR-3	94-143lbs (43 - 65 kg)				•					•		
ESR-6	99-132lbs (45 - 60 kg)					•						•
TSS3	110-209lbs (50 - 95 kg)				•							•
5302	140-255lbs (64 - 116 kg)		•		•							•
ESR-10	400-599lbs (182 - 272 kg)				•							•

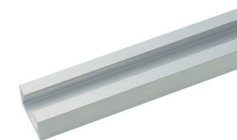
Item No.	Load Rating (pair)	Side View	Hold-Out Detent	Positive Stop	Positive Lock	Positive Catch	Front Disconnect	Friction Brake Stop	Quick Disconnect	Others	Non-Handed
ESR-2 	11-18lbs (5 - 8 kg/pc) STAINLESS 304 STEEL										Under Mount
ESR-2021 	24-35lbs (11 - 16 kg) STAINLESS 304 STEEL										
ESR-1 	55-107lbs (25 - 49 kg) STAINLESS 304 STEEL										
ESR-13 	55-107lbs (25 - 49 kg) STAINLESS 304 STEEL										
ESR-8 	55-107lbs (25 - 49 kg) STAINLESS 304 STEEL										
ESR-5 	176-251 lbs (80 - 114 kg) STAINLESS 304 STEEL										

Stainless Steel 3/4 Extension Slides

LGB30 SYSTEM

Features

- Carriage with built-in bearing provides smooth movement.
- High durability & silence movement.



GUIDE TRACK (LGB30)



ROLLER CARRIAGE (LGB-30CM)



STOPPER (LGB30-ST)

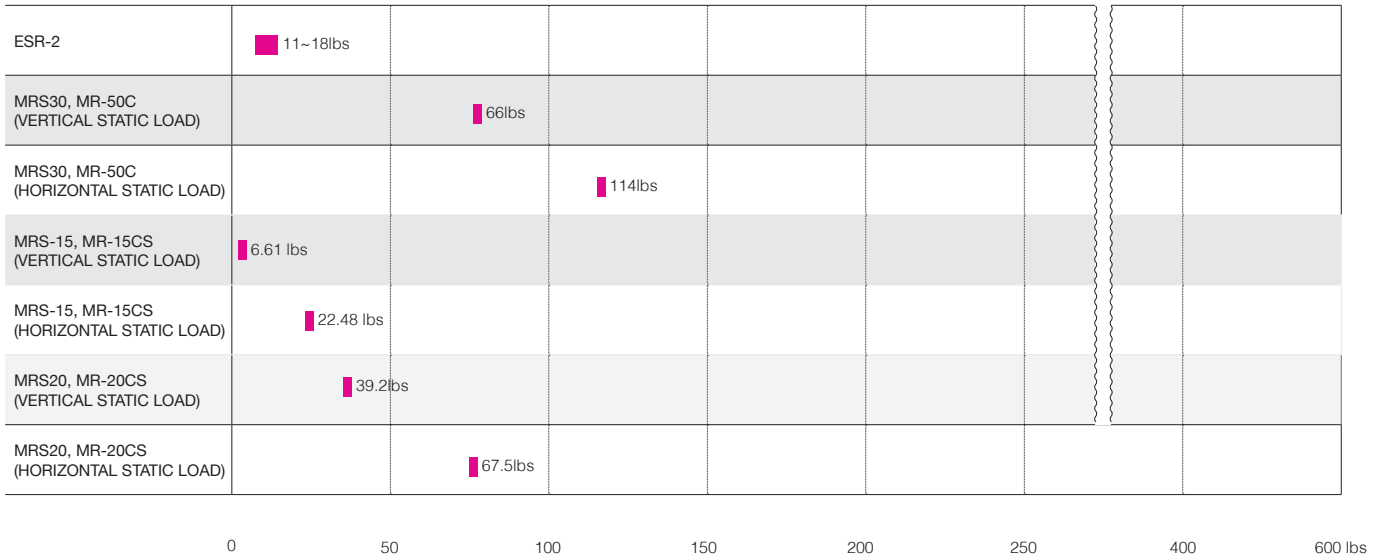


INSTALLATION PLATE (LGB30-P65-100)

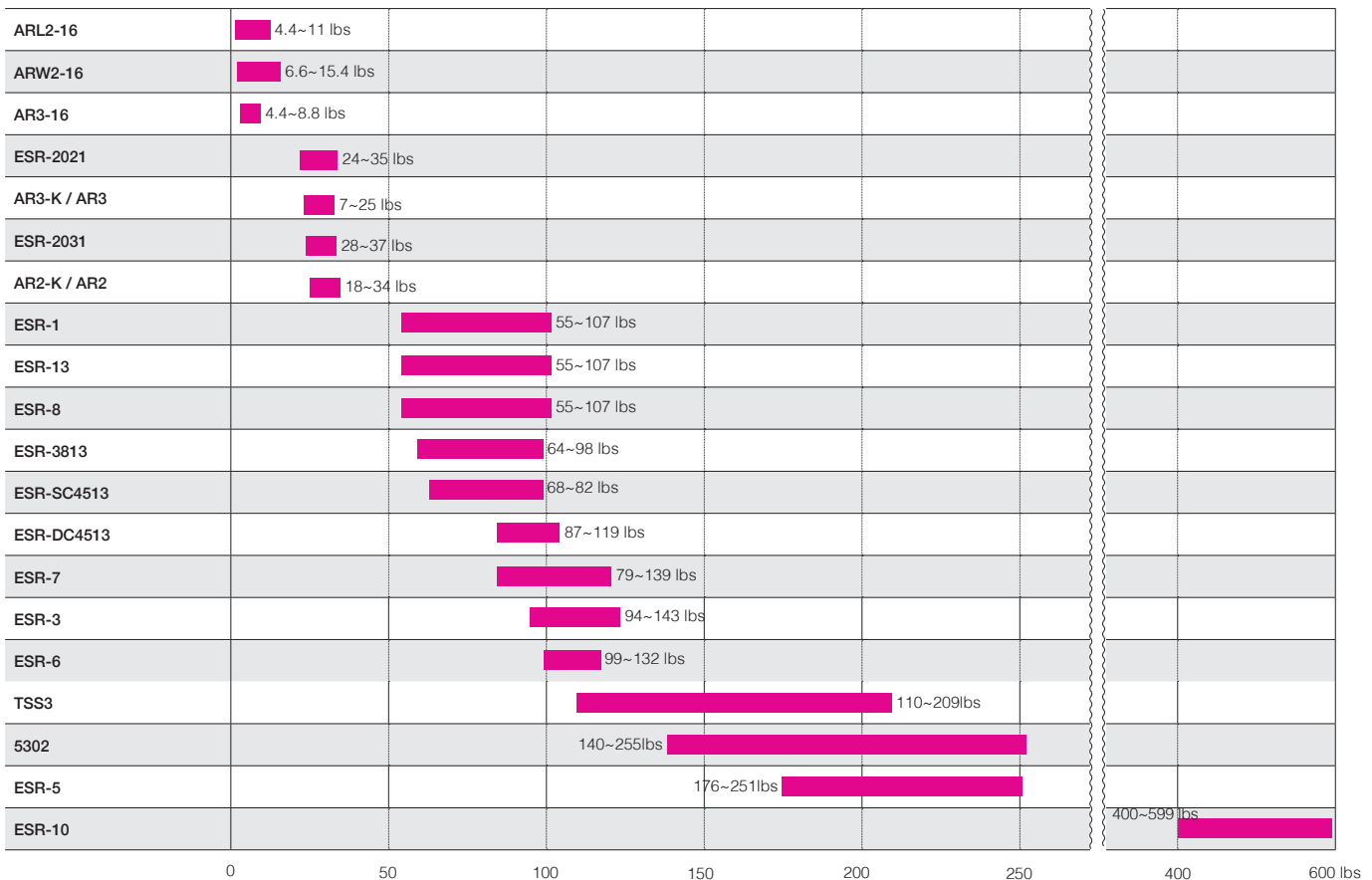
Linear Roller Guide System (Overview)

	Item No.	Load Rating (pair)	Side View	Item No.	Features																
					Hold-Out Detent	Positive Stop	Positive Lock	Positive Catch	Front Disconnect	Friction Brake Stop	Quick Disconnect	Others	Non-Handed								
Aluminum Full Extension	AR3-16	4.40 - 8.8lbs (2 - 4 kg)																			
	AR3 / AR3-K	7-25lbs (3.1 - 11.2 kg)		AR3																	
Aluminum 3/4 Extension	AR2 / AR2-K	18-34 lbs (8.2 - 15.3 kg)		AR2																	
				AR2-K																	
2-Way Slides and Guide Systems	ARL2-16	4.4-11lbs (2 - 5 kg)																			
	ARW2-16	6.6-15.4lbs (3 - 7 kg)																		2-Way	
	MRS-15 MR-15CS	Horizontal Static Load: 22.48 lbs/pc (10.2 kg/pc) Vertical Static Load: 6.61 lbs/pc (3.0kg/pc)																			
	MRS30, MR-50C	Horizontal Static Load: 57.2 lbs/pc (26 kg/pc) Vertical Static Load: 33 lbs/pc (15kg/pc)																			
	MRS20, MR-20CS	Horizontal Static Load: 67.5 lbs/pc (30.6 kg/pc) Vertical Static Load: 39.2 lbs/pc (17.8 kg/pc)																			

LOAD RATING (PC)



LOAD RATING (PAIR)



At Sugatsune you can find a wide range of unique Stainless Steel and Aluminum drawer slides for your various applications. The properties of Stainless Steel enable corrosion resistance and ensure durability, which benefits customers with low maintenance. Our Stainless Steel slides are commonly used in the RV/ Boating industry, particularly when exposed to rough environmental conditions, providing a solid protective chromium layer that reduces the risk of rust.

Position
DesignTEC

HINGES

TORQUE
DAMPERS

LID
SUPPORTS

CATCHES &
LATCHES

DRAWER
SLIDES

BRACKETS
& SHELF
SUPPORTS

HANDLES/
PULLS/
KNOBS
























































































































HOOKS

CASTERS/
LEVELING
GLIDES

LOCKS

MISCELLANEOUS

	Product Image	Item No.	Support Part Depth	Load Capacity	Material / Finish
Folding Brackets		EB Series (3 Sizes Available) 	199.5~317 mm	330~440 lbs/ piece (150~200 kg/piece)	304 Stainless Steel
		EBD Soft-Close Damper for EB Series 	-	Torque: 75.3~132.8 lbs/pair (86.7~153.0 kg/pair)	ABS, POM, Steel Finish: Grey, Zinc, Chrome
		388 	-	77~176 lbs/ piece (35~80 kg/piece)	Aluminum Finish: Silver or Black
		BTO (W/Stopper) 	241~320 mm	89.9 lbs/ piece (40.8 kg/piece)	304 Stainless Steel Brass Elastomer Finish: Satin, White
		BOS (W/Stopper) 	181~240 mm	72~88 lbs / piece (33~40 kg/piece)	304 Stainless Steel Brass Elastomer Finish: Satin
Spring Loaded Bracket		GTS-300 	-	6.6~13 lbs/pair (3~6 kg/pair)	304 Stainless Steel Finish: Satin
Brackets		BT, BTK, BTW 	69~400 mm	33~181 lbs/piece (15~82.5 kg/piece)	304 Stainless Steel Steel Finish: Satin
		BTK-UB 	199~318 mm	26~55 lbs/piece (12~25 kg/piece)	Steel EPDM Finish: White, Black, Umber
		SU-A 	70~180 mm	22~52 lbs/piece (10~24 kg/piece)	304 Stainless Steel Finish: Mirror
		SU-B 	50~80 mm	22~28 lbs/piece (10~13 kg/piece)	304 Stainless Steel Finish: Mirror
		XL-SA01 	120~240 mm	26~50 lbs/piece (12~23 kg/piece)	304 Stainless Steel Finish: Satin, Mirror

Shelf Standard			Shelf Support / Accessories		
Item No.	Length	Material	Item No.	Load Capacity (lbs)	Material
SPH-1820 	71-21/32" (1820mm)	  	 SPH-20  	286/4pcs (130kg)	304 Stainless Steel, Synthetic Rubber Pad 
			 SPH-5  	286/4pcs (130kg)	304 Stainless Steel, Synthetic Rubber Pad 
			 SPH-15  	286/4pcs (130kg)	304 Stainless Steel 
			 SP-18E  	-	ABS 
SPHL-1820 	71-21/32" (1820mm)	 	 SPHL-30  	330/4pcs (150kg)	304 Stainless Steel 
			 SPHL-25  	330/4pcs (150kg)	304 Stainless Steel 
SM-1820 	71-21/32" (1820mm)	 	 SMB-15R  	198/4pcs (90kg)	304 Stainless Steel 
			 SPM-20B  	132/4pcs (60kg)	304 Stainless Steel 
			 SP-18E  	-	ABS 
SP-1820 	71-21/32" (1820mm)	  	 SPB-15R  	220/4pcs (100kg)	304 Stainless Steel 
			 SPB-20  	99/4pcs (45kg)	304 Stainless Steel 
			 SPF-20 	176/4pcs (80kg)	304 Stainless Steel 
			 SPF-20A 	-	Polyethylene 
			 SPF-20LC  	-	Silicone, 304 Stainless Steel 
			 SPB-35 	11 (5kg)	Zinc Alloy 
			 SP-18E  	-	ABS 
AP-DM 	71-21/32" (1820mm) 102-3/8" (2600mm)	 	 AP-FB20 	99/4pcs (45kg)	430 Stainless Steel 
			 AP-FC20 	-	Elastomer 
			 AP-EC20 	-	ABS 
AP-DH 	71-21/32" (1820mm) 102-3/8" (2600mm)	 	 AP-FB20 	99/4pcs (45kg)	430 Stainless Steel 
			 AP-FC20 	-	Elastomer 
			 AP-EC20 	-	ABS 
SPW-1820 	71-21/32" (1820mm)	 	 SPW-20 	176/4pcs (80kg)	304 Stainless Steel 
			 SPW-CV1820-BR/WT 	-	PVC 
SPN-1820 	71-21/32" (1820mm)	 	 SPN-15  SPN-15C  	175/4pcs (80kg)	304 Stainless Steel Elastomer 
			 SPN-17EC 	-	Polypropylene 

 Motion
 Design
 tec

HINGES

 TORQUE
 DAMPERS

 LID
 SUPPORTS

 CATCHES &
 LATCHES

 DRAWER
 SLIDES

 BRACKETS
 & SHELF
 SUPPORTS

 HANDLES/
 PULLS/
 KNOBS

HOOKS

 CASTERS/
 LEVELING
 GLIDES

LOCKS

MISCELLANEOUS

	Product Image	Item No.	Description	Material	Finish
Back Screw Mount Handles		MDHL	LARGE HANDLE (W/ LATCH) <ul style="list-style-type: none"> Sliding door handle with latch function. Latch releases when the door is pulled. Flexible design options by selecting pipe & bracket parts separately. Length: 9-29/64~29-9/64" (240~740 mm) 	304 Stainless Steel, Carbon Fiber Reinforced Polymer (CFRP)	Satin, Black
		MDH	LARGE HANDLE <ul style="list-style-type: none"> Flexible design options by selecting pipe & bracket parts separately. Pipe can be cut down to desired length. Length: 7-9/16"~47-1/4" (192~1200 mm) 	304 Stainless Steel, Carbon Fiber Reinforced Polymer (CFRP)	Satin, Black, Matte Chrome
		MP-500, 750, 1000	LARGE HANDLE <ul style="list-style-type: none"> Ideal for harsh and highly corrosive environments. Designed for machinery applications where a heavy duty handle is required. Length: 19-11/16~39-3/8" (500~1000 mm) 	316 Stainless Steel	Mirror
		MTH	LARGE HANDLE (ALUMINUM PIPE) <ul style="list-style-type: none"> Aluminum handle with different length options for various applications. Can be cut to custom fit applications. Length: 14-11/64~25-63/64" (360~660 mm) 	Polyamide, Aluminum Alloy, Steel, Brass, Aluminum	Black, Anodized
		APH	LARGE HANDLE (ALUMINUM PIPE) <ul style="list-style-type: none"> Aluminum pipe handle with 4 different pipe lengths. Aluminum pipe can be cut to desired length. Length: 12-61/64~24-49/64" (329~629 mm) 	Polyamide, Aluminum Alloy, Aluminum	Black, Anodized
		SOR	LARGE HANDLE <ul style="list-style-type: none"> Ideal for machinery applications where a large handle is required. Length: 15-23/64~32-1/8" (390~816 mm) 	Aluminum	Anodized, Black
		TBH	LARGE HANDLE (STRAIGHT DESIGN) <ul style="list-style-type: none"> Length: 15-3/4~23-5/8" (400~600 mm) 	Aluminum Alloy, Zinc Alloy	Silver/ Black, Silver
		SBH	LARGE HANDLE (OFF-SET DESIGN) <ul style="list-style-type: none"> Length: 15-3/4~31-1/28" (400~800 mm) 	Aluminum Alloy, Zinc Alloy	Silver/ Black, Black
		SYH	LARGE HANDLE <ul style="list-style-type: none"> Round handle with a straight edge design line to provide machinery with a modern appeal. Length: 6-1/2~10-3/8" (165~264 mm) 	Aluminum Alloy	Silver (Anti-Bacterial coating)
		MJH	HANDLE <ul style="list-style-type: none"> Length: 4-11/16~5-29/32" (93~150 mm) 	Polyamide	Black (Black, Grey, Yellow)
		SJH	HANDLE (W/ COVER CAP OPTION) <ul style="list-style-type: none"> 6 color options that can be used to separate work processes or to warn of dangerous area. Length: 6-5/8~7-13/16" (168~198 mm) 	Polyamide (Glass Filled), Polyamide	Black, 6 color options (Black, Grey, Yellow, Orange, Red, Blue)

	Product Image	Item No.	Description	Material	Finish
Back Screw Mount Handles		KMH 	HANDLE • Length: 4-59/64~6-57/64" (125~175 mm)	Zinc Alloy Cover Caps: PBT	Satin, Chrome Cover Caps: (White, Grey, Light Blue, Black)
		27 Series 	DOOR HANDLE • Large range of sizes. Center to center: 3-25/32~23-5/16"	304 Stainless Steel 	Satin
		EK-S 	HANDLE • For high corrosive environments. Center to Center: 3-1/2~6"	316 Stainless Steel 	Mirror, Satin
		KB (30,50,70) 	HANDLES • Length: 1-3/16~3-35/64" (30~90 mm)	303 Stainless Steel 	Mirror
		FB 	HANDLES • Length: 3-35/64~5-1/8" (90~130 mm)	304 Stainless Steel 	Mirror
		HK 	FOLDING HANDLE (STUD TYPE) • 90-degree folding handle. • Handle clicks into open and closed position. • Length: 3-15/32~5-3/64" (88~128 mm)	304 Stainless Steel 	Mirror
		SGH-200 	HANDLES • Insulated handle designed to reduce shock from static electricity build-up as well as inhibit bacterial transfer. • Length: 7-7/8" (200 mm)	Base Material: Polyamide; Coating: Special Elastomer	Light Blue
		EK-R 	CABINET HANDLE PULL • Contemporary handle pull with 316 stainless steel.	316 Stainless Steel 	Mirror, Satin
		XL-JSR 	CABINET HANDLE PULL • Contemporary handle pull with 316 stainless steel. • Length: 1-1/2~5-8/32" (38~134 mm)	316 Stainless Steel 	Mirror & Satin Combination
		26 Series 	DOOR HANDLE • Large range of sizes. • Length: 6-19/64" (160~1456 mm)	304 Stainless Steel 	Satin
Front Screw Mount Handles		MG 	HANDLE • For high corrosive environments. Center to center: 5-29/32~11-13/16" (150~300 mm)	316 Stainless Steel 	Mirror
		MH-P170 	HANDLE • Made with PVC material. • Weather and chemical proof. • Environmentally friendly PVC, Lead-free.	Polyvinyl Chloride (PVC)	Clear
		FT-T 	HANDLE • Length: 4-23/32"~8-21/32" (120~220 mm)	316 Stainless Steel 	Mirror

HINGES
TORQUE DAMPERS
LID SUPPORTS
CATCHES & LATCHES
DRAWER SLIDES
BRACKETS & SHELF SUPPORTS
HANDLES/PULLS/KNOBS
HOOKS
CASTERS/LEVELING GLIDES
LOCKS
MISCELLANEOUS

	Product Image	Item No.	Description	Material	Finish
Front Screw Mount Handles		FT-200, 280 	LARGE HANDLE • Ideal for harsh and highly corrosive environments. • High profile allows for easy gripping with gloved hand. • Length: 7-7/8~11-1/32" (200~280 mm)	316 Stainless Steel 	Mirror
		US 	HANDLE • Rubber grip allows for an easy and comfortable grip. • Light weight design. • Length: 2-3/4~6-19/64" (70~160 mm)	304 Stainless Steel 	Mirror, Satin
Recessed Pulls		HH-KL-160 	RECESSED PULL • Compliant with SEMI S8-0600 guideline. • Spacer for sheet metal application sold separately. Length: 6-19/64" (160 mm)	304 Stainless Steel 	Satin
		HH-KP-150 	RECESSED PULL • Compliant with SEMI S8-0600 guideline. Length: 5-63/64" (152 mm)	304 Stainless Steel 	Satin
		UT 	RECESSED PULL Length: 2-61/64"~5-33/64"	304 Stainless Steel, Brass, Plastic 	Satin Polished Brass Black
		HH-AS2 	RECESSED PULL • For use on sheet metal doors. Length: 4-23/32" (120 mm)	304 Stainless Steel 	Satin
		UTZ 	RECESSED PULL • Supplied with spacers (BSP-8) and screws (M4x8mm). Length: 5-1/8" (130 mm)	Zinc Alloy Plastic	Chrome, Satin Nickel, Satin Bronze, Black
		HH-JW 	RECESSED PULL (SNAP-IN MOUNT) • Snap-in type recessed pull for sheet metal thickness (0.5~3.2 mm). Length: 2-3/4~5-33/64" (70~140 mm)	ABS + Polycarbonate	Ivory Black
		HH-KS 	RECESSED PULL • All stainless steel model ideal for harsh and high corrosive environments. Length: 4-31/64" (114 mm)	316 Stainless Steel, 304 Stainless Steel 	Mirror, Satin
		DR 	RING PULL Length: 31/32"~1-13/64"	304 Stainless Steel 	Mirror, Satin
		26700 	RECESSED RING PULL • Ideal for harsh and highly corrosive environments. • Pull is recessed into the mounting plate keeping it flush with the mounting surface. Length: 3" (76 mm)	316 Stainless Steel 	Polished
Trunk Handles		HCT-150 	TRUNK HANDLE • 316 stainless steel handle is ideal for harsh and highly corrosive environments. Length: 5-29/32" (150 mm)	316 Stainless Steel, Ethylene Propylene 	Mirror, Black
Edge Pulls		SN 	EDGE PULL Length: 1-31/32"~11-13/16" (50~300 mm)	304 Stainless Steel 	Mirror, Satin, Black
		DSI-350 	EDGE PULL Length: 1-1/4"~21-7/16" (32~544 mm)	304 Stainless Steel 	Satin

	Product Image	Item No.	Description	Material	Finish
Knobs		CU-L-35 	KNOBS • Contemporary knob for cabinet doors.	303 Stainless Steel 	Mirror and Satin Combination
		RSS  	KNOBS • Contemporary knob for cabinet doors.	304 Stainless Steel 	Mirror, Satin
		RS-38  	KNOBS • Contemporary knob for cabinet doors.	304 Stainless Steel 	Satin
		EY-326 	KNOBS • Contemporary knob for cabinet doors.	304 Stainless Steel 	Satin
		EY-327 	KNOBS • Contemporary knob for cabinet doors.	304 Stainless Steel 	Satin
		A Series 	KNOBS • Contemporary knob for cabinet doors.	Aluminum 	Anodized
		PK-03 	PUSH KNOB • Knob closes flush when pushed in. • Press knob to pop out and use.	Zinc Alloy, Brass, ABS 	Black Nickel, Chrome, Black
		KK-T 	KNOB • Antibacterial coating on all finishes except black.	Aluminum Alloy 	Nickel, Satin Gold, Brown, Black
Hatch Pulls		ST-90, 115  	HATCH PULL • Handle is concealed when not in use. • T-handle design.	304 Stainless Steel 	Satin
		ST-80, 100  	HATCH PULL • Handle is concealed when not in use. • Hook design.	304 Stainless Steel 	Satin
		HR-R 	HATCH PULL • The handle is concealed when not in use to stay out of the way. • Ideal for use in places where projection from surface is not permitted.	304 Stainless Steel 	Satin

Metrix
Designer

HINGES

TORQUE
DAMPERS

LID
SUPPORTS

CATCHES &
LATCHES

DRAWER
SLIDES

BRACKETS
& SHELF
SUPPORTS

HANDLES/
PULLS/
KNOBS

HOOKS

CASTERS/
LEVELING
GLIDES

LOCKS

MISCELLANEOUS

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HINGES
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CATCHES & LATCHES
DRAWER SLIDES
BRACKETS & SHELF SUPPORTS
HANDLES/PULLS/KNOBS
HOOKS
CASTERS/LEVELING GLIDES
LOCKS
MISCELLANEOUS

	Product Image	Item No.	Description	Load Capacity	Material	Finish
Large Hooks		JF-45, 70, 110 	LARGE UTILITY HOOK • Stainless steel hook for various applications. • Available in 3 sizes.	22~26 lbs (10~11.7 kg)	303 Stainless Steel 	Mirror
		JF-50, 80, 120 	LARGE UTILITY HOOK • Stainless steel hook for various applications. • Available in 3 sizes.	26~48 lbs (12~22 kg)	303 Stainless Steel 	Mirror
		XL-SB210 	HOOK • Stainless Steel bracket with dimensional design. • Two-in-one hook.	Upper: 44 lbs (20 kg) Lower: 83 lbs (38 kg)	304 Stainless Steel 	Mirror, Satin
Small Hooks		DS-H-50, 60 	UNDERMOUNT HOOK • Ideal for undermount applications.	22 lbs (10 kg)	303 Stainless Steel 	Mirror
		KB-H-35, 40 	HOOK • Stainless steel hook for various applications. • Available in 2 sizes.	44 lbs (20 kg)	303 Stainless Steel 	Mirror
		2H 	HOOK • Unique design, also can be used as a pull.	13~22 lbs (6~10 kg)	304 Stainless Steel 	Satin
		5H 	HOOK • Stainless Steel for various applications.	67 lbs (30.6 kg)	304 Stainless Steel 	Mirror, Satin
		RI-074 	DOUBLE HOOK • Unique two-in-one hook.	11 lbs (5 kg)	304 Stainless Steel 	Satin
		RB-102 	DOUBLE HOOK • Can be used as a light duty tie up cleat.	28.6 lbs (13 kg)	304 Stainless Steel 	Satin
		HJT 	HOOK • 4mm thick material designed for excellent durability. • Available in 2 sizes.	17.6~22 lbs (8~10 kg)	304 Stainless Steel 	Satin, Black
		EU 	FORK HOOK • Unique design. • Can hang items on the tips and the neck. • Available in 2 sizes.	44~66 lbs (20~30 kg)	316 Stainless Steel 	Mirror
		EW-65E, 80E 	HOOK • Double Hook.	44 lbs (20 kg)	304 Stainless Steel 	Mirror

	Product Image	Item No.	Description	Load Capacity	Material	Finish
Small Hooks		FC 	HOOK • Stainless Steel hook for various applications.	22~26 lbs (10~12 kg)	304 Stainless Steel 	Mirror
		EL 	HOOK • Stainless Steel hook for various applications.	44 lbs (20 kg)	304 Stainless Steel 	Mirror
		EP 	HOOK • Stainless Steel hook for various applications.	44 lbs (20 kg)	304 Stainless Steel 	Mirror
Latch Hooks		EN-K 	LATCH HOOK • Keeps item hooked, ideal for vibration or shock application.	Hook: 44~132 lbs (20~60 kg) Arm: 22 lbs (10 kg)	316 Stainless Steel 	Polished
		EN-R80 	LATCH HOOK • Keeps items hooked, ideal for vibration or shock applications.	Hook: 44 lbs (20 kg) Arm: 22 lbs (10 kg)	316 Stainless Steel 	Polished
		EN-R80-K 	LATCH HOOK (W/ PADLOCK HOLE) • Keeps items hooked, ideal for vibration or shock applications. • Can be used with padlock.	44 lbs (20 kg)	304 Stainless Steel 316 Stainless Steel 	Mirror, Satin
		JN-T100 	LARGE SWIVEL HOOK (W/ FRICTION) • Swivels 180°. • Hook has constant torque when swinging. • Ideal for vibration or shock applications.	88 lbs (40kg)	303 Stainless Steel 	Satin
		TK 	SWIVEL HOOK • Swivels 180°. • Hook has constant torque when swiveling. • Ideal for vibration or shock applications.	17~26 lbs (8~12 kg)	304 Stainless Steel 	Polished
Swivel Hooks		JF-T 	SWIVEL HOOK (W/ FRICTION) • Swivels 180°. • Hook has constant torque when swiveling. • Ideal for vibration or shock applications.	37~88 lbs (17~40 kg)	304 Stainless Steel 	Mirror
		RF-50 	ROTATING HOOK • Rotates 360°. • Can be mounted in various directions.	6 lbs (3 kg)	304 Stainless Steel 	Satin

 Precision
Design
tec

HINGES

 TORQUE
DAMPERS

 LID
SUPPORTS

 CATCHES &
LATCHES

 DRAWER
SLIDES

 BRACKETS
& SHELF
SUPPORTS

 HANDLES/
PULLS/
KNOBS

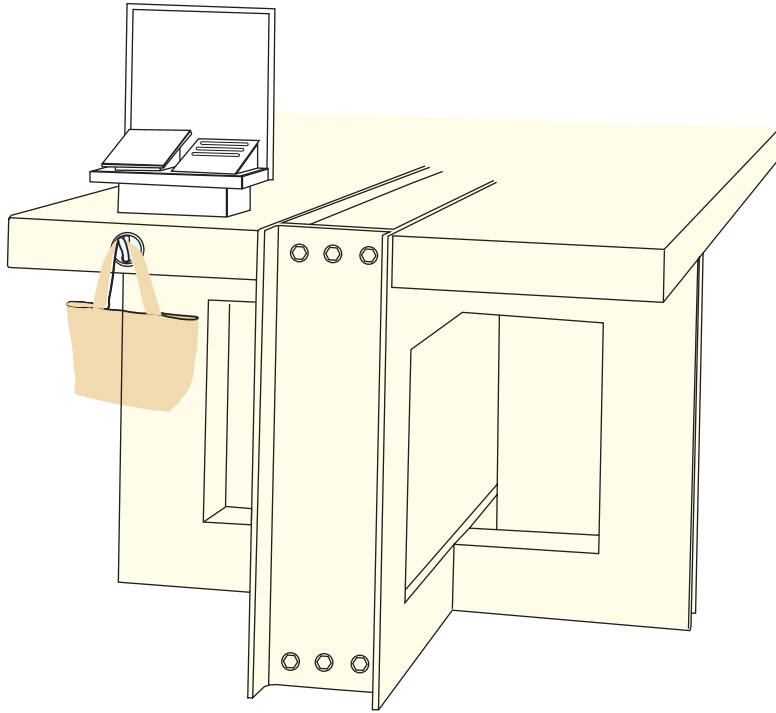
HOOKS

 CASTERS/
LEVELING
GLIDES

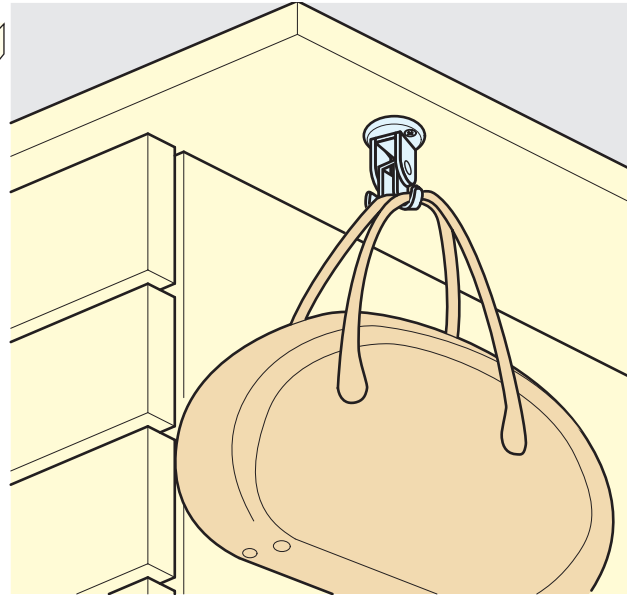
LOCKS

MISCELLANEOUS

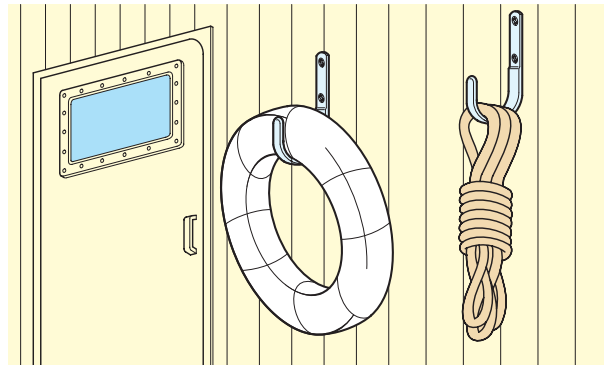
	Product Image	Item No.	Description	Load Capacity	Material	Finish
Wire Hooks		TY 	WIRE HOOK	6.6~17.6 lbs (3~8 kg)	304 Stainless Steel 	Polished
		TF 	WIRE HOOK	6.6~26 lbs (3~12 kg)	304 Stainless Steel 	Polished
		TL 	WIRE HOOK	11~26 lbs (5~12 kg)	304 Stainless Steel 	Polished
Swing Hooks		XL-JSF40TT 	SWING HOOK • Vertical swivel allows for under mount applications.	110 lbs (50 kg)	303 Stainless Steel 304 Stainless Steel 	Mirror/Satin Combination
		UJ 	SWING HOOK • Rotates 360° and swivels 180°. • Can be mounted in various directions.	14~19 lbs (6.7~8.9 kg)	304 Stainless Steel 	Satin
Recessed Hooks		NF-60D 	RECESSED HOOK (W/ SOFT CLOSE) • Hook is spring loaded to retract and soft close.	66 lbs (30 kg)	Aluminum Alloy, Polyacetal, 304 Stainless Steel	Dark Grey, Silver, Metallic Silver
		NF-R64 	RECESSED HOOK • Hook is spring loaded to retract. • Ideal for vibration or shock applications.	44 lbs (20 kg)	Zinc Alloy	Dull Chrome
		HK-CH35 	UNDERMOUNT HOOK • Soft-close feature when hooked items are removed. • Hook should be edge mounted for hook visibility.	22 lbs (10 kg)	Alluminum Alloy	Black, Silver, Brown



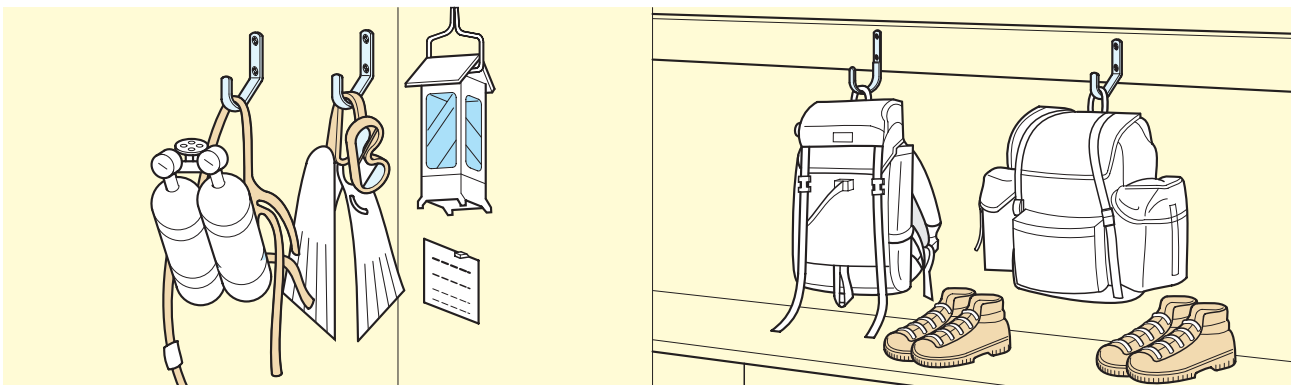
NF-R64



RF-50



JF-45



JF-50

- Position
Design Tec
- HINGES
- TORQUE
DAMPERS
- LID
SUPPORTS
- CATCHES &
LATCHES
- DRAWER
SLIDES
- BRACKETS
& SHELF
SUPPORTS
- HANDLES/
PULLS/
KNOBS
- HOOKS
- CASTERS/
LEVELING
GLIDES
- LOCKS
- MISCELLANEOUS

- Myti:n DesignTEC
- HINGES
- TORQUE DAMPERS
- LID SUPPORTS
- CATCHES & LATCHES
- DRAWER SLIDES
- BRACKETS & SHELF SUPPORTS
- HANDLES/PULLS/KNOBS
- HOOKS
- CASTERS/LEVELING GLIDES
- LOCKS
- MISCELLANEOUS

	Product Image	Item No.	Description	Load Capacity	Threaded Bolt Size	Diameter	Material	Finish
Leveling Glides		SDY-TRSB	ULTRA HEAVY DUTY LEVELING GLIDE <ul style="list-style-type: none"> • Ultra heavy duty. • Anti-seize coating. • Built-in bearing allows for easy leveling adjustment. • Glide base "SDY-L" required. 	14,300~24,200 lbs (6500~14300 kg)	Tr42 Tr52 Tr60	5"~5-25/32" (127~147 mm)	304 Stainless Steel	Polished
		SDY-MASR	HEAVY DUTY LEVELING GLIDE (SWIVEL BOLT) <ul style="list-style-type: none"> • Heavy duty. • Anti-seize coating. • Swivels approximately 40° to compensate for uneven floors. 	3300~4400 lbs (1500~2000 kg)	M20 M24	3-1/16" (78 mm)	304 Stainless Steel	Black Nitrile Rubber
		MKRLS	STAINLESS STEEL LONG STEM LEVELING GLIDE <ul style="list-style-type: none"> • Elastomer base to prevent skidding. • Double structure of cover/bolt and base allows easy height adjustment. • Swivels approximately 10° to compensate for uneven floors. 	440~704 lbs (200~320 kg)	1-1/16~1-47/64" (27~44 mm) M10 x 1.50 M12 x 1.75 M16 x 2.00	1-1/4~1-31/32" (32~50 mm)	304 Stainless Steel, Elastomer	Satin, Black
		MKRS	STAINLESS STEEL LEVELING GLIDE (W/ RUBBER PAD) <ul style="list-style-type: none"> • Elastomer base to prevent skidding. • Double structure of cover/bolt and base allows easy height adjustment without lifting the leg. • Swivels 10° to compensate for uneven floors. 	88~220 lbs (40~100 kg)	1-1/16~2-33/64" (27~64 mm) W3/8-16 M10 M12 x 1.75 M14 x 2.00	1-1/4~2-3/4" (32~70 mm)	304 Stainless Steel, Elastomer	Satin, Black
		SAJ30	SELF ADJUSTING LEVELING GLIDE <ul style="list-style-type: none"> • Self height adjustment feature. • Automatically adjusts each time the table is moved. • Ideal for tables which are frequently moved. 	110 lbs (50 kg)	W5/16, W3/8, M6, M8, M10,	1-1/4" (32 mm)	Polyethylene Steel	Black, Chromate
	Twin Wheel Casters		FP-55-PS,P	TWIN WHEEL CASTER <ul style="list-style-type: none"> • Caster with high quality polyamide body. • Excellent durability: chemical/ weather/ wear resistant. 	110 lbs (50 kg)	Plate Type	2-3/32" (53.1 mm)	Polyamide, Steel
		FAU-55-NS,N	TWIN WHEEL CASTER <ul style="list-style-type: none"> • Wheels absorb vibrations with elastomer covering (rubber) for smooth and quiet movement. • Light & durable aluminum body construction. 	154 lbs (70 kg)	W3/8-16UNC	2-3/32" (53.1 mm)	Aluminum Alloy, Steel, Polyamide /Elastomer	Silver, Yellow Zinc Chromate, Black

	Product Image	Item No.	Description	Load Capacity	Threaded Bolt Size	Wheel Diameter	Material	Finish
Twin Wheel Casters		FA-45-PS,P 	TWIN WHEEL CASTER • Light & durable aluminum body construction.	110 lbs (50 kg)	Plate Type	1-9/16" (40 mm)	Aluminum Alloy, Steel, Polyamide	Silver, Yellow Zinc Chromate, Black
		FP-45-PS,P 	TWIN WHEEL CASTER • Caster with high quality polyamide body. Excellent durability: chemical/weather/wear/resistant.	88 lbs (40 kg)	Plate Type	1-9/16" (40 mm)	Polyamide, Steel	Silver, Yellow Zinc Chromate, Black
Stainless Steel Casters		JS300 	STAINLESS STEEL BEARING ROLLER • V-shaped roller. • Sealed bearing ideal for outdoor environments.	880~6160 lbs (400~2800 kg)	Plate Type	1-31/32"~7-7/8" (50~200 mm)	304 Stainless Steel 	Plain
		JS315 	STAINLESS STEEL BEARING ROLLER (HEAVY DUTY/ L-SHAPE) • Sealed bearing ideal for outdoor environment.	3300~6160 lbs (1500~2800 kg)	Plate Type	4-23/32"~7-7/8" (120~200 mm)	304 Stainless Steel 	Plain
Heavy Duty Casters		HG 	LOW PROFILE HEAVY DUTY CASTER • Hardened frame for maximum rigidity and strength. • Sealed ball bearing swivel assembly.	359~719 lbs (163~326 kg)	Plate Type	1-31/32"~2-15/64" (50~75 mm)	Steel, Phenolic Resin, Reinforced Nylon	Clear Zinc Chromate, Black
		HR 	LOW PROFILE HEAVY DUTY CASTER • Hardened frame for maximum rigidity and strength. • Hexavalent chromium free.	359~561 lbs (163~255 kg)	Plate Type	1-31/32"~2-15/64" (50~75 mm)	Steel, Phenolic Resin, Reinforced Nylon	Clear Zinc Chromate, Black
Casters with Leveling Glides		AF-50,65 	CASTER W/ LEVELING GLIDE • Heavy duty, low profile caster with integrated leveling glide. • Allows solid support by leveler once equipment is in place.	561 lbs (255 kg)	Plate Type	1-31/32"~2-9/16" (50~65 mm)	Steel, Nylon	Chrome, Black
		CA 	PARTS SEPARABLE CASTER (W/ GLIDE) • Caster w/ built in leveling glide. • Glides provide better stability than a regular cater with stopper. • Caster body rotates freely when raised by the glide.	132~264 lbs (60~120 kg)	Plate Type/ (8.5 mm) M12 M16	2-2/8"~ 2-3/4" (60~70 mm)	Polyamide, Steel, 304 Stainless Steel	Black, White, Yellow Zinc Chromate

HINGES

TORQUE DAMPERS

LID SUPPORTS

CATCHES & LATCHES

DRAWER SLIDES

BRACKETS & SHELF SUPPORTS

HANDLES/ PULLS/ KNOBS

HOOKS

CASTERS/ LEVELING GLIDES

LOCKS

MISCELLANEOUS

	Product Image	Item No.	Description	Key Changes	Material	Finish
Cam Locks		NO990	SHEET METAL CAM LOCK (MAGNETIC KEY SYSTEM) <ul style="list-style-type: none"> • Magnetic key system for high security. • 90° cam rotation. • Key is removable in locked position only. 	40,000	Brass, Steel, Brass/Ferrite	Chrome, Nickel
		NAL	SHEET METAL CAM LOCK <ul style="list-style-type: none"> • Brass cylinder tubular cam lock. • 90° cam rotation. • Key is removable in locked position only. 	5,000	Brass, Steel	Chrome, Nickel, Yellow Zinc Chromate
		NAL-S	SHEET METAL MINI CAM LOCK <ul style="list-style-type: none"> • Mini zinc cylinder cam lock. • 90° cam rotation. • Keyed differently is available by special order. 	100	Zinc Alloy, Steel	Chrome, Nickel, Zinc
		910MS	SHEET METAL CAM LOCK <ul style="list-style-type: none"> • Mini cylinder lock for sheet metal applications. • Reversible key. • 90° cam rotation. • Key is removable in lock position only. 	47,000	Brass, Steel	Chrome, Yellow Zinc Chromate
		DIS-022R-D	SHEET METAL CAM LOCK <ul style="list-style-type: none"> • Thin cylinder lock with dimple key. • Reversible key can be removed when locked and unlocked (90° rotation). 	50	Brass, Steel, Zinc Alloy	Chrome, Yellow Zinc Chromate, Nickel
	Push Locks		2110M	PUSH LOCK <ul style="list-style-type: none"> • Zinc alloy cylinder push lock for sliding doors. • Key is required to lock and unlock. 	12	Zinc Alloy, Brass
		2160M	PUSH LOCK <ul style="list-style-type: none"> • Zinc alloy cylinder push lock for wooden doors. • Key is required to lock and unlock. • Master key not available. 	24	Zinc Alloy, Brass	Nickel
		6300	PUSH LOCK <ul style="list-style-type: none"> • Zinc alloy cylinder push lock for metal-framed glass doors. • Easy installation. 	96	Zinc Alloy, Brass	Satin Nickel, Nickel
Cabinet Locks		2200QL	CABINET LOCK (W/ INDICATOR) <ul style="list-style-type: none"> • Only 1/8 turn to unlock/lock door. • Key automatically returns to original position making it easy to remove the key. • With indicator. 	300	Zinc Alloy, Brass, 304 Stainless Steel	Satin Nickel, Nickel, Plain

	Product Image	Item No.	Description	Material	Finish
Oval Ventilators		ASD	VENTILATOR • 1/16" (1.5mm) diameter holes.	304 Stainless Steel	Satin
		SAD	VENTILATOR • 1/64" (0.4mm) diameter for mesh wire holes.	304 Stainless Steel	Satin
		APD, APDL	VENTILATOR • ABS ventilator.	ABS	Black, Brown, Ivory, Chrome
		APD-KH	VENTILATOR W/ CABLE GROMMET • ABS ventilator.	ABS	Black, Brown, Ivory, Chrome
Round Ventilators		AST	VENTILATOR • 1/16" (1.5mm) diameter holes.	304 Stainless Steel	Satin
		SAM	VENTILATOR • 1/64" (0.4mm) diameter for mesh wire holes.	304 Stainless Steel	Satin
Squared/Rectangular Ventilators		APK, APKL	VENTILATOR • ABS ventilator.	ABS	Black, Brown, Ivory, Chrome
		1-1212	STAINLESS STEEL VENTILATOR • Ideal for harsh and corrosive environments.	316 Stainless Steel	Satin
		1-2222	STAINLESS STEEL VENTILATOR • Ideal for harsh and corrosive environments.	316 Stainless Steel	Satin
Oval Grommets		S165-76	CABLE GROMMET • Oval shaped with closed cover flaps.	ABS	White, Black
		S445, S51, S60, S76, S89	CABLE GROMMET • Round shaped with small opening for cable cords.	ABS	White, Black
		V60, V80	CABLE GROMMET • Round shaped with closed cover flaps.	Plastic	White, Black
	Squared/Rectangular Grommets		V2000	CABLE GROMMET • Rectangular shaped with closed cover flaps.	Plastic
		WSD	CABLE GROMMET • With dust barrier. • Designed for a variety of manufacturing tool and equipment enclosures.	Steel, Polyacetal	Nickel, White, Black

Multi-Tec
DesignTEC

HINGES

TORQUE
DAMPERS

LID
SUPPORTS

CATCHES &
LATCHES

DRAWER
SLIDES

BRACKETS
& SHELF
SUPPORTS

HANDLES/
PULLS/
KNOBS

HOOKS

CASTERS/
LEVELING
GLIDES

LOCKS

MISCELLANEOUS

	Mounting	Product Image	Item No.	Description	Material	Finish
Multi-Purpose Lids	INCLINED MOUNT		AZ-GD232-HL	MULTI-PURPOSE LID (w/ Damper) • Soft and slow closing movement with inclined mount.	304 Stainless Steel	Satin
	SIDE MOUNT		AZ-GD	MULTI-PURPOSE LID (w/ Damper) • Soft and slow closing movement with damper. • Available in 3 sizes.	304 Stainless Steel	Satin
			AZ-HD230/HL AZ-HD310/HL	MULTI-PURPOSE DOOR • Easy to open with handle.	304 Stainless Steel	Satin
			AZ-DD310/HL (Double Door)	MULTI-PURPOSE DOOR • Synchronized doors allow for easy opening.	304 Stainless Steel	Satin
	TOP MOUNT		AD-GD Series	MULTI-PURPOSE LID • Soft and slow closing movement with damper. • Horizontal use only.	304 Stainless Steel Polyacetal, Steel, CRC, Rubber	Satin
			AD-DH015-HL	MULTI-PURPOSE LID (w/Damper) • Self-leveling lid. • Horizontal use only.	304 Stainless Steel	Satin
			AD-KH015-HL	MULTI-PURPOSE LID • Soft & slow closing movement for horizontal use only.	304 Stainless Steel Polyacetal, Steel, CRC, Rubber	Satin
			AN-DH020	DRAIN SPOUT • Ø 2" (50 mm) tubing can be attached to the spout.	304 Stainless Steel	Polished Mirror, Satin
	TOP / SIDE/ INCLINED MOUNT		AZ-ND Series	MULTI-PURPOSE GROMMET • Corrosion resistant. • 2 sizes available.	304 Stainless Steel	Satin
			AN-KH Series	MULTI-PURPOSE GROMMET • Corrosion resistant. • 3 sizes available.	304 Stainless Steel	Satin
			AN-DH, AN-LH	MULTI-PURPOSE GROMMET • Corrosion resistant.	304 Stainless Steel	Gold Mirror Satin

NOTES

Area with horizontal dotted lines for taking notes.

Position
DesignTec

HINGES

**TORQUE
DAMPERS**

**LID
SUPPORTS**

**CATCHES &
LATCHES**

**DRAWER
SLIDES**

**BRACKETS
& SHELF
SUPPORTS**

**HANDLES/
PULLS/
KNOBS**

HOOKS

**CASTERS/
LEVELING
GLIDES**

LOCKS

MISCELLANEOUS

Inch to Metric Conversion table

Metric to Inch Conversion

	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"	
0/0	0.0	25.4	50.8	76.2	101.6	127.0	152.4	177.8	203.2	228.6	254.0	279.4	304.8
1/64	0.4	25.8	51.2	76.6	102.0	127.4	152.8	178.2	203.6	229.0	254.4	279.8	305.2
1/32	0.8	26.2	51.6	77.0	102.4	127.8	153.2	178.6	204.0	229.4	254.8	280.2	305.6
3/64	1.2	26.6	52.0	77.4	102.8	128.2	153.6	179.0	204.4	229.8	255.2	280.6	306.0
1/16	1.6	27.0	52.4	77.8	103.2	128.6	154.0	179.4	204.8	230.2	255.6	281.0	306.4
5/64	2.0	27.4	52.8	78.2	103.6	129.0	154.4	179.8	205.2	230.6	256.0	281.4	306.8
3/32	2.4	27.8	53.2	78.6	104.0	129.4	154.8	180.2	205.6	231.0	256.4	281.8	307.2
7/64	2.8	28.2	53.6	79.0	104.4	129.8	155.2	180.6	206.0	231.4	256.8	282.2	307.6
1/8	3.2	28.6	54.0	79.4	104.8	130.2	155.6	181.0	206.4	231.8	257.2	282.6	308.0
9/64	3.6	29.0	54.4	79.8	105.2	130.6	156.0	181.4	206.8	232.2	257.6	283.0	308.4
5/32	4.0	29.4	54.8	80.2	105.6	131.0	156.4	181.8	207.2	232.6	258.0	283.4	308.8
11/64	4.4	29.8	55.2	80.6	106.0	131.4	156.8	182.2	207.6	233.0	258.4	283.8	309.2
3/16	4.8	30.2	55.6	81.0	106.4	131.8	157.2	182.6	208.0	233.4	258.8	284.2	309.6
13/64	5.2	30.6	56.0	81.4	106.8	132.2	157.6	183.0	208.4	233.8	259.2	284.6	310.0
7/32	5.6	31.0	56.4	81.8	107.2	132.6	158.0	183.4	208.8	234.2	259.6	285.0	310.4
15/64	6.0	31.4	56.8	82.2	107.6	133.0	158.4	183.8	209.2	234.6	260.0	285.4	310.8
1/4	6.4	31.8	57.2	82.5	108.0	133.4	158.8	184.2	209.6	235.0	260.4	285.8	311.2
17/64	6.7	32.1	57.5	82.9	108.3	133.7	159.1	184.5	209.9	235.3	260.7	286.1	311.5
9/32	7.1	32.5	57.9	83.3	108.7	134.1	159.5	184.9	210.3	235.7	261.1	286.5	311.9
19/64	7.5	32.9	58.3	83.7	109.1	134.5	159.9	185.3	210.7	236.1	261.5	286.9	312.3
5/16	7.9	33.3	58.7	84.1	109.5	134.9	160.3	185.7	211.1	236.5	261.9	287.3	312.7
21/64	8.3	33.7	59.1	84.5	109.9	135.3	160.7	186.1	211.5	236.9	262.3	287.7	313.1
11/32	8.7	34.1	59.5	84.9	110.3	135.7	161.1	186.5	211.9	237.3	262.7	288.1	313.5
23/64	9.1	34.5	59.9	85.3	110.7	136.1	161.5	186.9	212.3	237.7	263.1	288.5	313.9
3/8	9.5	34.9	60.3	85.7	111.1	136.5	161.9	187.3	212.7	238.1	263.5	288.9	314.3
25/64	9.9	35.3	60.7	86.1	111.5	136.9	162.3	187.7	213.1	238.5	263.9	289.3	314.7
13/32	10.3	35.7	61.1	86.5	111.9	137.3	162.7	188.1	213.5	238.9	264.3	289.7	315.1
27/64	10.7	36.1	61.5	86.9	112.3	137.7	163.1	188.5	213.9	239.3	264.7	290.1	315.5
7/16	11.1	36.5	61.9	87.3	112.7	138.1	163.5	188.9	214.3	239.7	265.1	290.5	315.9
29/64	11.5	36.9	62.3	87.7	113.1	138.5	163.9	189.3	214.7	240.1	265.5	290.9	316.3
15/32	11.9	37.3	62.7	88.1	113.5	138.9	164.3	189.7	215.1	240.5	265.9	291.3	316.7
31/64	12.3	37.7	63.1	88.5	113.9	139.3	164.7	190.1	215.5	240.9	266.3	291.7	317.1
1/2	12.7	38.1	63.5	88.9	114.3	139.7	165.1	190.5	215.9	241.3	266.7	292.1	317.5
33/64	13.1	38.5	63.9	89.3	114.7	140.1	165.5	190.9	216.3	241.7	267.1	292.5	317.9
17/32	13.5	38.9	64.3	89.7	115.1	140.5	165.9	191.3	216.7	242.1	267.5	292.9	318.3
35/64	13.9	39.3	64.7	90.1	115.5	140.9	166.3	191.7	217.1	242.5	267.9	293.3	318.7
9/16	14.3	39.7	65.1	90.5	115.9	141.3	166.7	192.1	217.5	242.9	268.3	293.7	319.1
37/64	14.7	40.1	65.5	90.9	116.3	141.7	167.1	192.5	217.9	243.3	268.7	294.1	319.5
19/32	15.1	40.5	65.9	91.3	116.7	142.1	167.5	192.9	218.3	243.7	269.1	294.5	319.9
39/64	15.5	40.9	66.3	91.7	117.1	142.5	167.9	193.3	218.7	244.1	269.5	294.9	320.3

mm	Inches
0.1	0.0039
0.2	0.0079
0.3	0.0118
0.4	0.0157
0.5	0.0197
0.6	0.0236
0.7	0.0276
0.8	0.0315
0.9	0.0354
1	0.0394
2	0.0787
3	0.1181
4	0.1575
5	0.1969
6	0.2362
7	0.2756
8	0.3150
9	0.3543
10	0.3937
11	0.4331
12	0.4724
13	0.5118
14	0.5512
15	0.5906
16	0.6299
17	0.6693
18	0.7087
19	0.7480
20	0.7874
21	0.8268
22	0.8661
23	0.9055
24	0.9449
25	0.9843
26	1.0236
27	1.0630
28	1.1024
29	1.1417
30	1.1811
31	1.2205



[Inch]

Measurement Conversions

LENGTH

cm	mm	inch	feet
1	10	0.394	0.0328
0.1	1	0.0394	0.00328
2.54	25.4	1	0.083
30.48	304.8	12	1

$$\text{inch} = \text{mm} \div 25.4$$

$$\text{mm} = \text{inch} \times 25.4$$

WEIGHT

g	kg	oz	lb
1	0.001	0.0353	0.0022
1000	1	35.27	2.205
28.4	0.0284	1	0.0625
453.6	0.454	16	1

$$\text{lb} = \text{kg} \times 2.205$$

$$\text{kg} = \text{lb} \div 2.205$$

FORCE

N	kgf	lbf
1	0.10197	0.225
9.807	1	2.205
4.448	0.454	1

$$\text{lbf} = \text{kgf} \times 2.205 \quad \text{N} = \text{kgf} \times 9.807$$

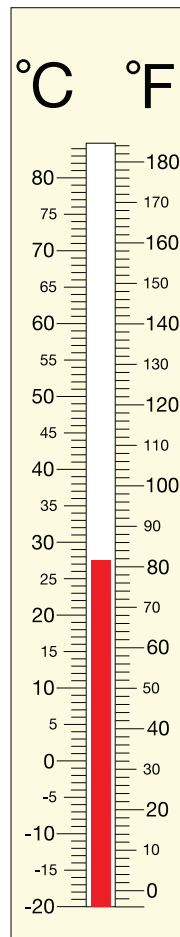
$$\text{kgf} = \text{lbf} \div 2.205 \quad \text{kgf} = \text{N} \div 9.807$$

MOMENT

N • m	kgf • cm	lbs • in
1	10.197	8.85
0.0981	1	0.868
0.113	1.152	1

$$\text{lbs} \cdot \text{in} = \text{kgf} \cdot \text{cm} \times 0.868 \quad \text{N} \cdot \text{m} = \text{kgf} \cdot \text{cm} \times 0.0981$$

$$\text{kgf} \cdot \text{cm} = \text{lbs} \cdot \text{in} \div 0.868 \quad \text{kgf} \cdot \text{cm} = \text{N} \cdot \text{m} \div 0.0981$$



TEMPERATURE

°C	°F
0	32
-17.77	0

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32) \times 5 \div 9$$

$$^{\circ}\text{F} = ^{\circ}\text{C} \div 5 \times 9 + 32$$

*All tools and figures are for reference only.

[Metric]





INDEX

-  Hinges
-  Torque Dampers
-  Lid Supports
-  Catches & Latches
-  Drawer Slides
-  Brackets & Shelf Supports
-  Handles, Pulls & Knobs
-  Hooks
-  Casters & Leveling Glides
-  Locks
-  Miscellaneous

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