No.500



Stylishly subtle hardware **highlights displays**





SUGATSUNE

Since 1930

Manufacturer of LAMP® brand products

Furniture & Architectural Hardware



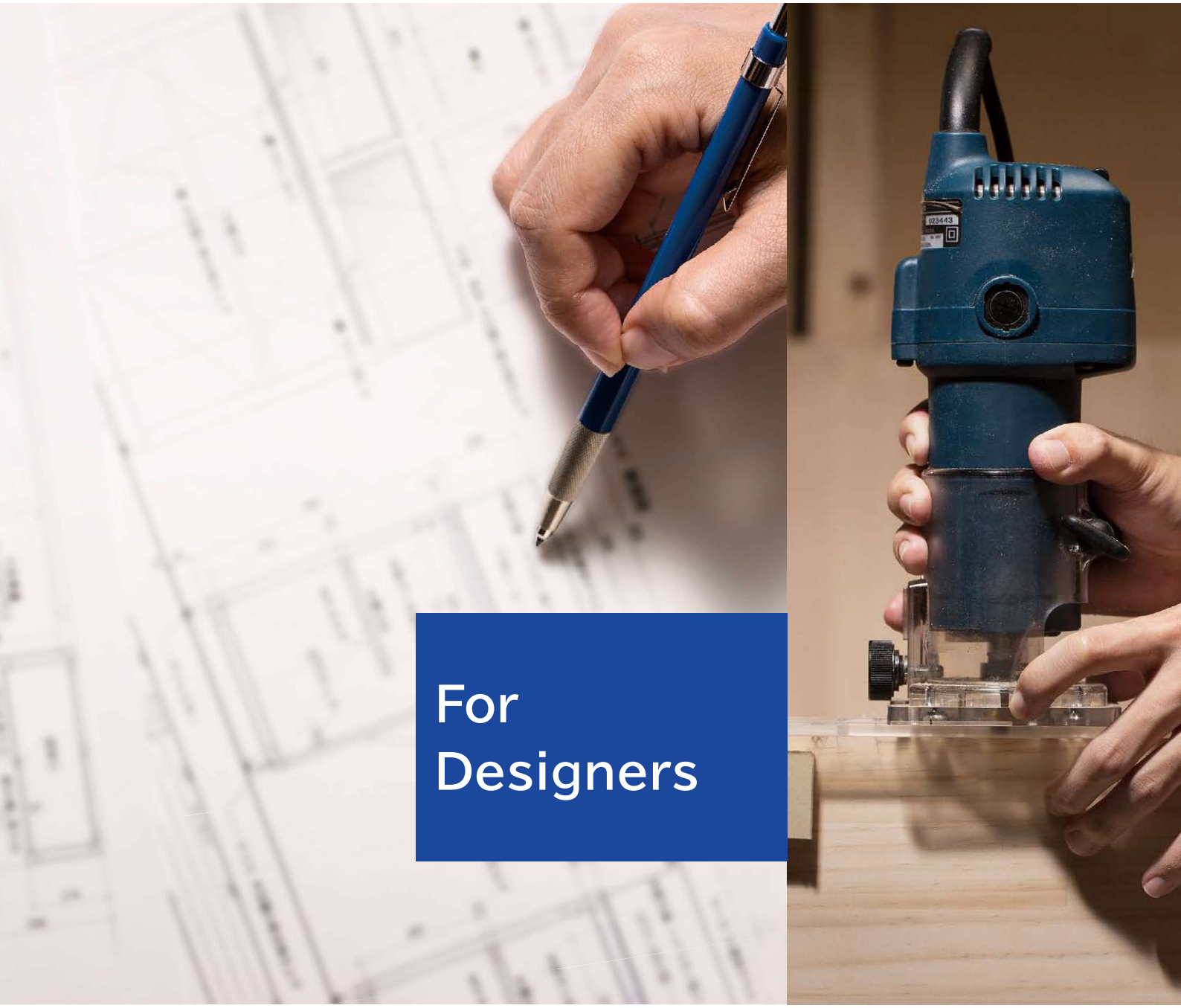
Hinges **integrated** with thin door frames





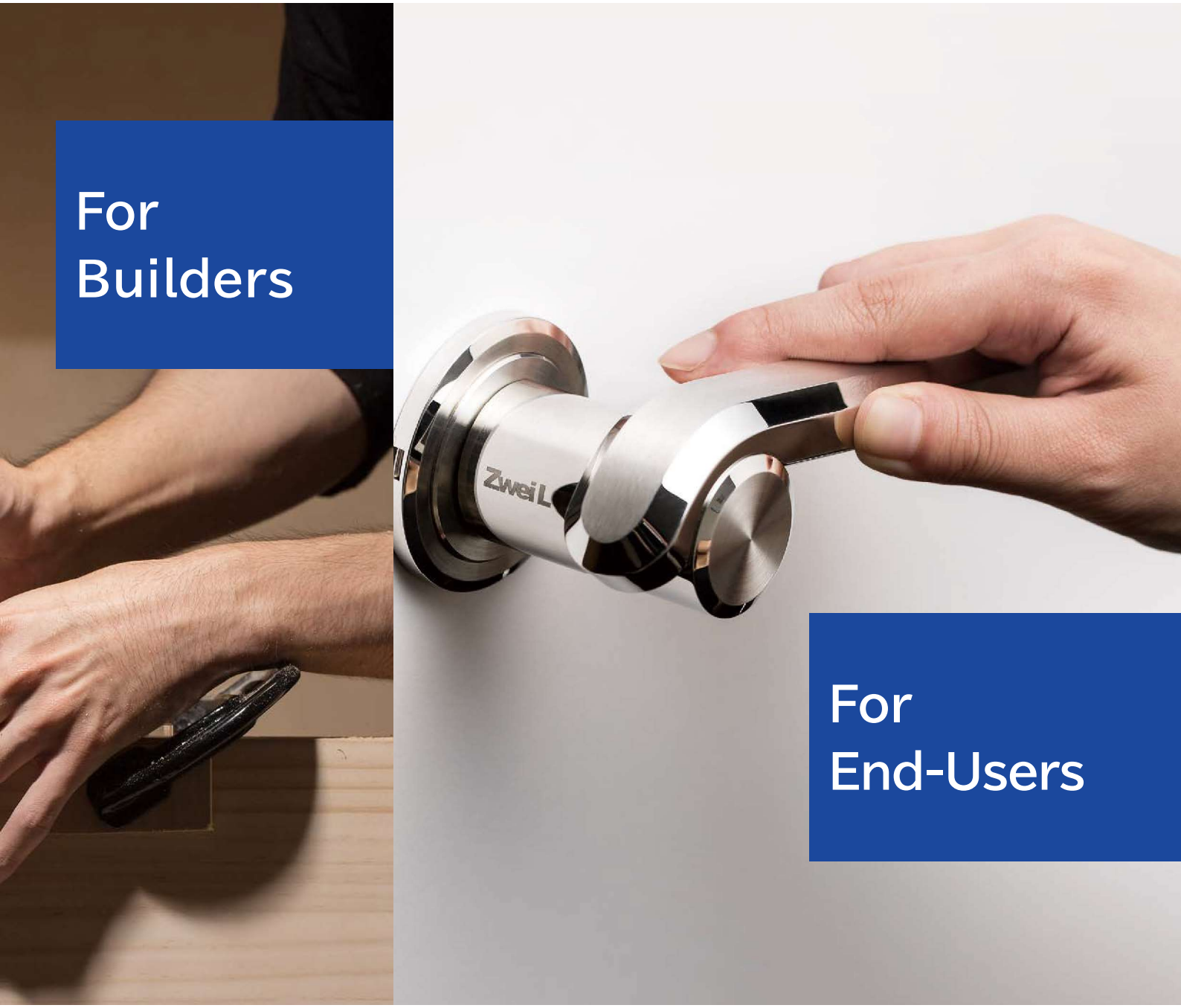
Innovation beyond expectation

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



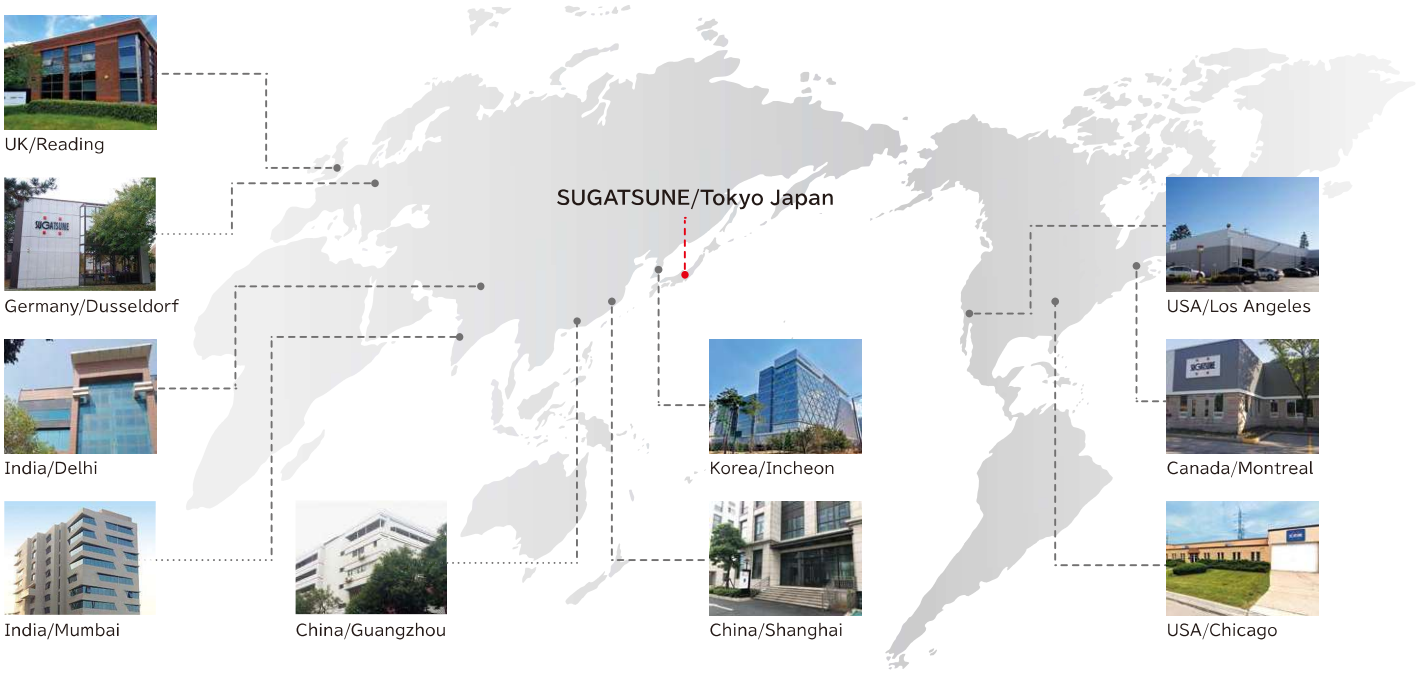
Design is no longer just about shape and colour. To deepen the meaning of "design," practicality and functionality have become integral elements in the Sugatsune manufacturing development process. Without ignoring the traditional design approach, resulting products undoubtedly possess a distinct visually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

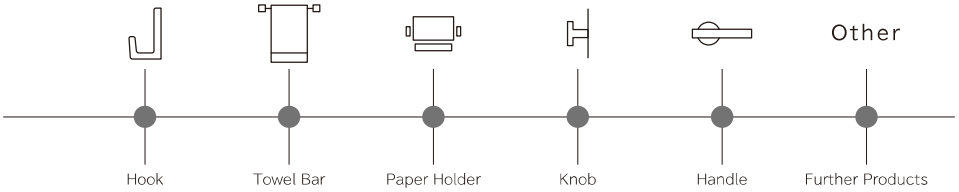








LINE UP





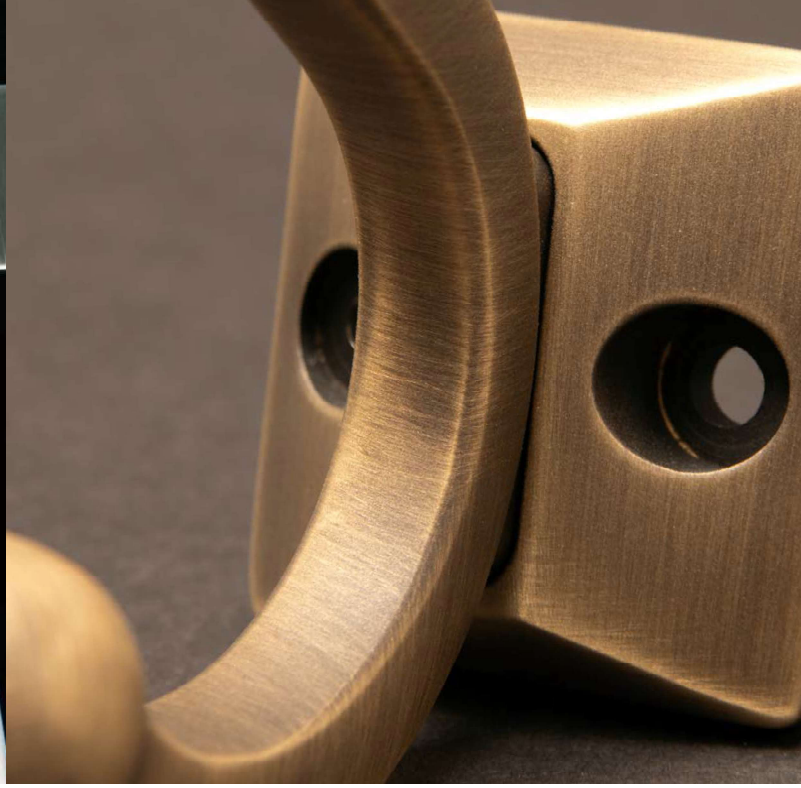
LAMP®

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







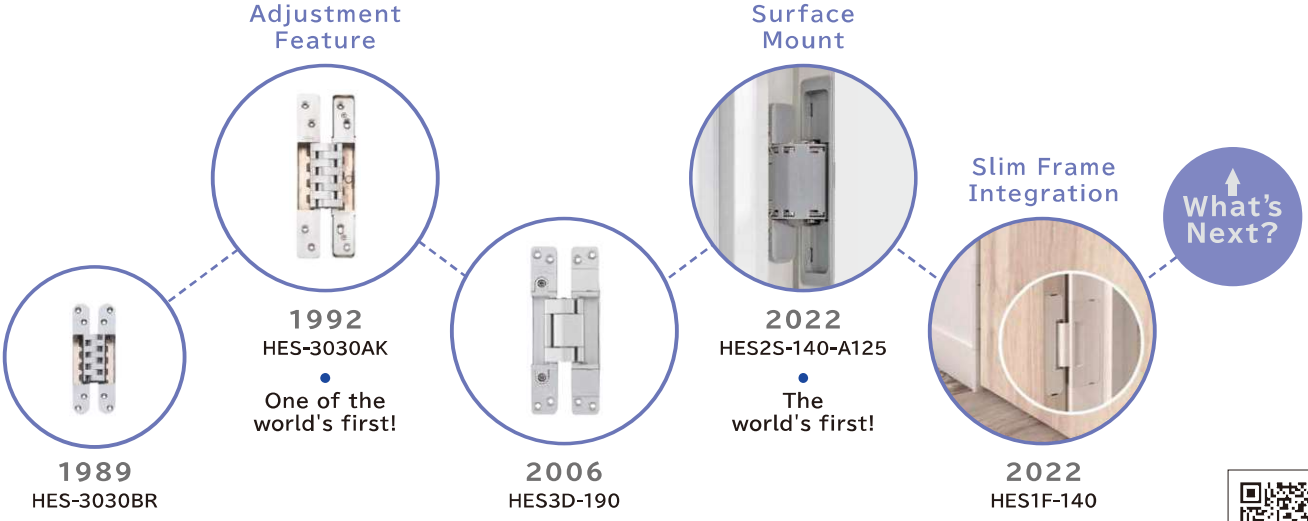
HES1F



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

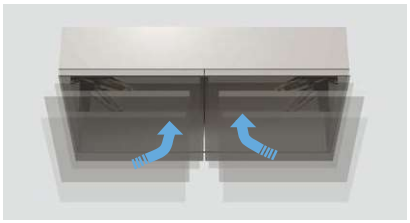
LAMP

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

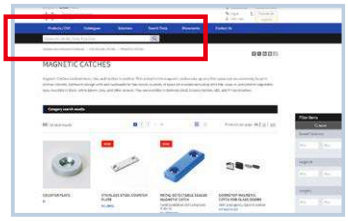
Build Better with Sugatsune!

Explore Our Comprehensive Support Resources

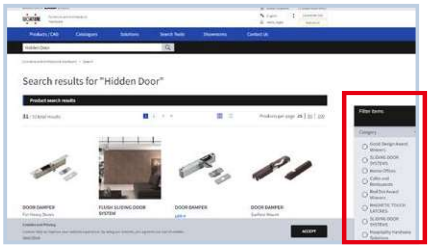


Keyword Search & Product Filters

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"!

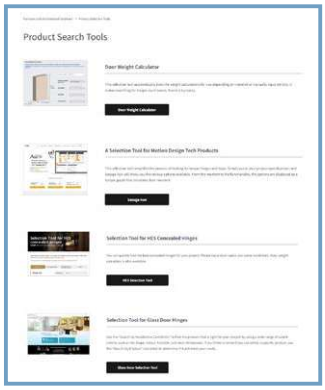


Filter by size, colour, or material as well!

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.





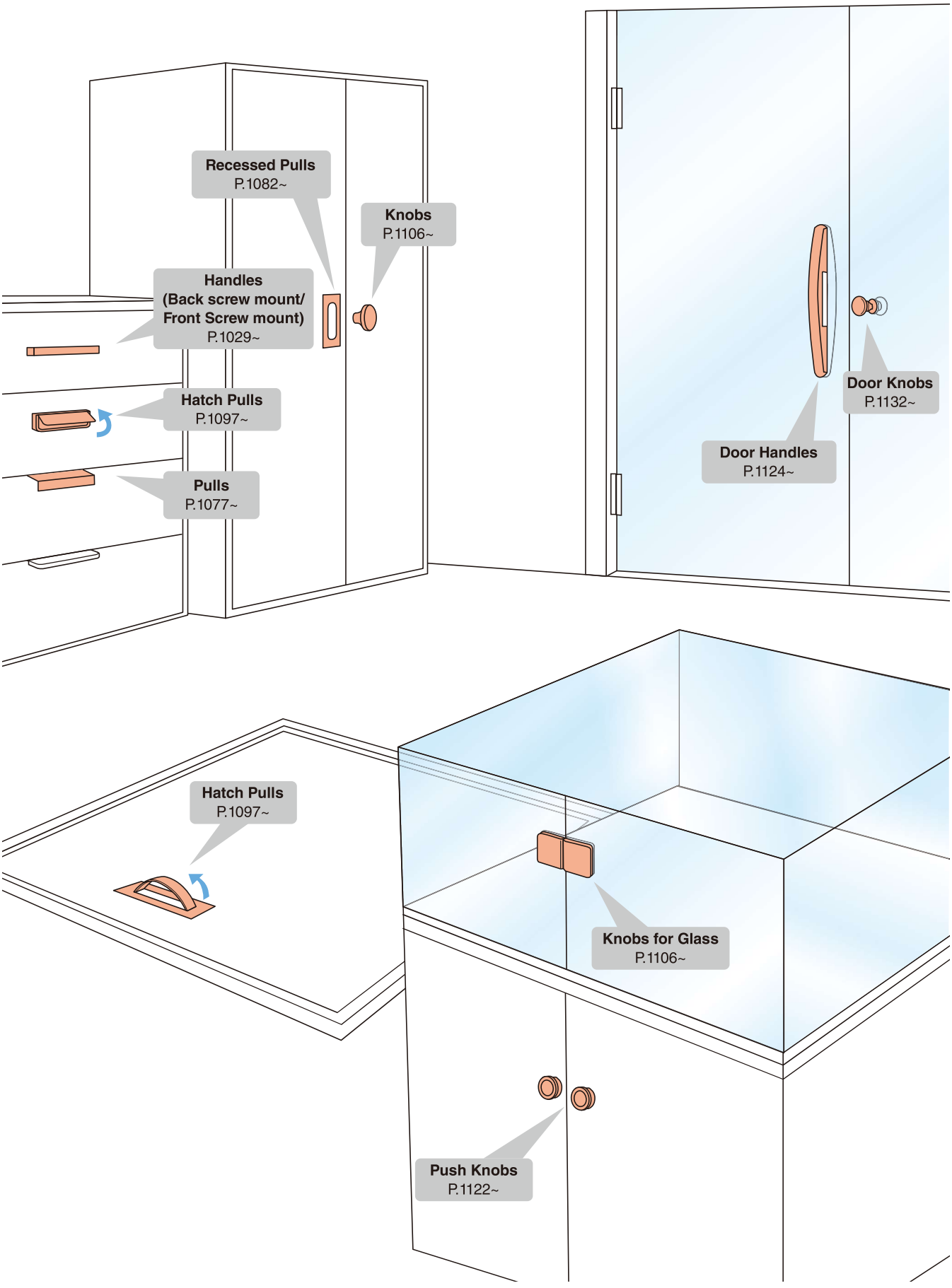
HANDLES, PULLS & KNOBS

These fittings serve as handles for opening and closing doors and drawers. This extensive lineup emphasises texture and finish, featuring meticulously polished, high-durability stainless steel products and others with the unique feel of brass.

SELECTION GUIDE
HANDLES
PULLS
RECESSED PULLS
HATCH PULLS
TRUNK HANDLES
KNOBS
DOOR HANDLES & KNOBS
BACK SCREW MOUNT
FRONT SCREW MOUNT

Selection Guide for Handles, Knobs, and Door Handles

What kind of handle, knob, or door handle are you in search of?



Select by Design

Products with the GLASS mark can be mounted on glass.

Handles

Back Screw Mount Handles



ZL-2001
P.1029



ZL-2002
P.1029



ZL-2003
P.1030



ZL-2004
P.1030


ZL-2301
P.1031


KC-R
P.1032


EK-R
P.1032


XL-JSR
P.1033


XL-CU
P.1033


EK-S
P.1034


KC-S
P.1034


XLA-HA
P.1035


XL-JS
P.1035


EC
P.1036


ECH
P.1036


DL
P.1037


DS
P.1037


KB
P.1038


DLB
P.1038


ATO
P.1039


OPE-110
P.1039


FB
P.1040


HIRA
P.1040


936
P.1041


KAKU
P.1041


KPH
P.1042


98398
P.1042


I1014
P.1042

NEW

PXB-GR09
P.1043


PXB-AC09-128
P.1044


PXB-AS09-128
P.1044


SWP
P.1045


SWF
P.1045


H-42-C
P.1046


H-42-CT
P.1046


H-75-C
P.1047


LF-12
P.1047


H-35
P.1048


H-29
P.1048


HGH
P.1048

CJH
P.1049

SJH
P.1050

SAZ-121CR
P.1052

KK-H
P.1052

ALH
P.1053

NEW

HA-NE
P.1053

NEW

HA-SQS
P.1054

NEW

HA-SQB
P.1054

NEW

XLA-HA-CM
P.1055

NEW

HA-BE
P.1055

NEW

HA-FR
P.1056

NEW

HA-RU
P.1056

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FRONT SCREW MOUNT

Select by Design

Handles

Back Screw Mount Handles



MDH
P.1057



AGH-L, AGH-T
P.1058



SSH
P.1059

RH-760
P.1059



SBH
P.1060



TBH
P.1061



MSH
P.1062



AGH-F
P.1063



SYH
P.1064



SOR
P.1064

NEW



SRH
P.1065

NEW



ASH
P.1066

NEW



MMH
P.1067

NEW



MGH
P.1068

NEW



SLH
P.1069

Front Screw Mount Handles



EC-Y
P.1070



EC-H
P.1070



2LC
P.1071



4LC
P.1071



US
P.1072



FT-65, FT-80, FT-100
P.1072



FT-120, FT-150
P.1073



FT-R
P.1073



FT-T
P.1074



FT-200, FT-280
P.1074



FT-110S
P.1075

NEW



HKM
P.1075



MP
P.1076



PS
P.1076



CJH
P.1049



SJH
P.1050



KMH
P.1051

Pulls



SN
P.1077



SND
P.1077

NEW



SNB
P.1078



ANGU
P.1078



CHAN
P.1079



AOT35
P.1079

NEW



HA-AF
P.1080

NEW



HA-DE
P.1080

RD (Stainless Steel)
P.1081

RD
P.1081

GF-100
P.1081

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DOOR HANDLES & KNOBS
BACK SCREW MOUNT
FRONT SCREW MOUNT

Recessed Pulls

NEW

DFHH-R
P.1082


ZL-2501
P.1082


SMH
P.1083


HH-D
P.1083


HH-DS114
P.1084

NEW

DFHH-DS170
P.1084


OP-150
P.1085


HN
P.1085


UT
P.1085


UTA-105
P.1086


SD-160
P.1087


UTZ-130
P.1087


HH-K
P.1088


HH-KS114
P.1088

NEW

DFHH-KS170
P.1089


SKH
P.1090


HH-AS2
P.1090

NEW

HH-DN
P.1091


HH-UD
P.1092

NEW

HH-WS
P.1093

NEW

HH-WD
P.1093

NEW

HH-SF
P.1094


XLA-HHA
P.1095


HH-P135
P.1095


YK-70
P.1096


YK-W100
P.1096

Hatch Pulls


HR
P.1097


HR-RS
P.1097


ST-90, ST-115
P.1098


ST-80, ST-100
P.1098


FH-100AK, FH-100BK
P.1099


FH-100AM, FH-100BM
P.1099


587
P.1100


587B
P.1100


580
P.1101


26900
P.1102


26901
P.1102


26700
P.1102


980640
P.1103


980641, 980642
P.1103

980643
P.1103

SELECTION GUIDE
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Select by Design

Products with the GLASS mark can be mounted on glass.

Trunk Handles



HCT-150
P.1104



TMU-115
P.1104



MUD-140
P.1105



PT-148
P.1105

Knobs



ZL-1901
P.1106



ZL-1902
P.1106



ZL-1903
P.1107



ZL-1904
P.1107



ZL-1905
P.1108



ZL-2302
P.1108



ZL-1907-24
P.1109



ZL-2503
P.1109



ZL-1909
P.1110



ZL-1910
P.1110



ZL-1906
P.1111



SD
P.1111



RS-38S
P.1112



EXSEL
P.1112



DW-50N
P.1113



DW-50
P.1113



MKZ
P.1114



RSS
P.1114



KK-T
P.1115



PXB-AC08-111
P.1116



PXB-AS08-111
P.1116



TS
P.1117



SY
P.1117



KHE103
P.1117



KE101-30
P.1118



KHE102
P.1118



GLA
P.1118



MRB
P.1119



SGL
P.1119



231F, 232F, 217F
P.1119



FS-04-S
P.1120



FS-06-S
P.1120



GD-20
P.1120



HS
P.1121



SMT
P.1121



SMRB
P.1121

ZL-1908
P.1122

PK03
P.1123

PK04
P.1123

Products with the GLASS mark can be mounted on glass.

Door Handles & knobs


ZL-1501
P.1124



ZL-1508
P.1125



ZL-1502
P.1127



ZL-1507
P.1128



ZL-1506
P.1130



GG-2000, GG-3000
P.1132



ZL-1503
P.1132



ZL-1504
P.1133



ZL-1505
P.1133



ZL-2502
P.1134



GT-40CR
P.1134

Flat Handles



Magnetic Latch Handle(Flat / Round) MLH
P.1135



Magnetic Latch Handle (Flat / Square) MLHS
P.1136

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Zwei L Series



Zwei L High precision polish, artfully sculpted shine

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BACK SCREW MOUNT
FRONT SCREW MOUNT



STAINLESS STEEL HANDLE ZL-2001 (P.1029)



STAINLESS STEEL TOWEL BAR ZL-3201 (P.854)



STAINLESS STEEL TOWEL BAR ZL-3205 (P.855)



STAINLESS STEEL LEVER BOLT ZL-2402 (P.411)



STAINLESS STEEL HOOK ZL-2103 (P.784)



STAINLESS STEEL KNOB ZL-1906 (P.1111)

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.

Zwei L STAINLESS STEEL HANDLE ZL-2001

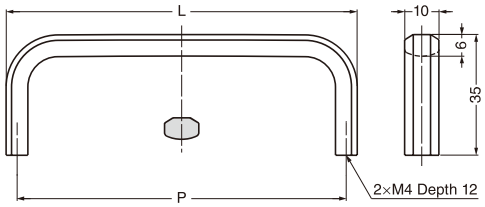
Latest Info



- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- When combined with XL-2301, can be attached to glass.
- Similar chamfered handles without Zwei-L polishing: XL-CU and XL-JS

Made to Order | SUS316 | TEMPERED GLASS | SCREW

Parts Included
- Truss head screw M4×30 (SUS)



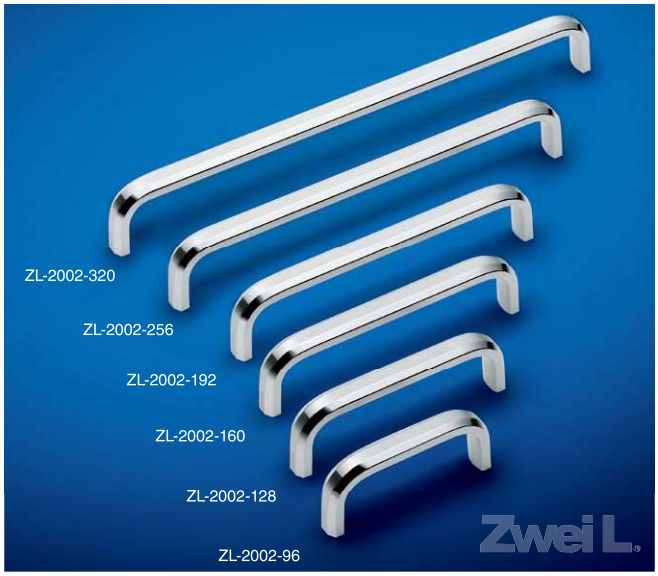
Concept

Item Code	Item Name	Material	Finish	L	P	Weight	Box
100-011-000	ZL-2001-32	Stainless Steel (SUS316)	Zwei L Finish	38	32	49 g	20 pcs
100-011-001	ZL-2001-64	Stainless Steel (SUS316)	Zwei L Finish	70	64	63 g	12 pcs
100-011-002	ZL-2001-96	Stainless Steel (SUS316)	Zwei L Finish	102	96	75 g	12 pcs
100-011-003	ZL-2001-128	Stainless Steel (SUS316)	Zwei L Finish	134	128	89 g	10 pcs
100-011-037	ZL-2001-160	Stainless Steel (SUS316)	Zwei L Finish	166	160	108 g	10 pcs
100-011-038	ZL-2001-192	Stainless Steel (SUS316)	Zwei L Finish	198	192	130 g	6 pcs
100-011-039	ZL-2001-256	Stainless Steel (SUS316)	Zwei L Finish	262	256	164 g	6 pcs

Limited inventory, contact sales associate for details.

Zwei L STAINLESS STEEL HANDLE ZL-2002

Latest Info

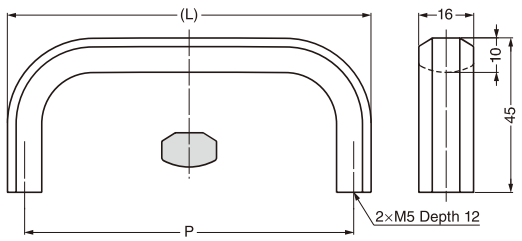


- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- When combined with XL-2301, can be attached to glass.

Made to Order | SUS316 | TEMPERED GLASS | SCREW

Parts Included
- Truss head screw M5×30 (SUS)

Concept



Item Code	Item Name	Material	Finish	L	P	Weight	Box
100-011-004	ZL-2002-96	Stainless Steel (SUS316)	Zwei L Finish	106	96	165 g	12 pcs
100-011-005	ZL-2002-128	Stainless Steel (SUS316)	Zwei L Finish	138	128	232 g	12 pcs
100-011-006	ZL-2002-160	Stainless Steel (SUS316)	Zwei L Finish	170	160	242 g	12 pcs
100-011-007	ZL-2002-192	Stainless Steel (SUS316)	Zwei L Finish	202	192	305 g	6 pcs
100-011-008	ZL-2002-256	Stainless Steel (SUS316)	Zwei L Finish	266	256	353 g	6 pcs
100-011-009	ZL-2002-320	Stainless Steel (SUS316)	Zwei L Finish	330	320	482 g	6 pcs
100-014-431	ZL-2002-416	Stainless Steel (SUS316)	Zwei L Finish	426	416	491 g	4 pcs
100-014-432	ZL-2002-512	Stainless Steel (SUS316)	Zwei L Finish	522	512	587 g	4 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.

Zwei L STAINLESS STEEL HANDLE ZL-2003 NEW

Latest Info



- Ultra-premium "Zwei L finish":
  Using top-class polishing technology, the finish combines the elegance of Satin with the deep glow of Mirror.
- Can also be used on glass when used with the XL-2301 bracket. (optional part).
- Has sharper corners than the ZL-2001 and ZL-2002 handles.

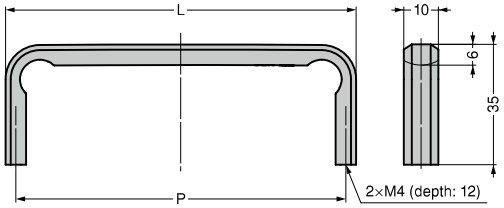
TEST METHOD 20 | SUS316 | TEMPERED GLASS | SCREW

Remarks
- When installing to thin sheet metal or acrylic sheet, mounting surface may not be horizontal and the sheet may warp. Please check with actual item.

Parts Included
- Truss head screw M4 × 28 (SUS)

Optional Part
- ZL-2301 bracket





Concept

Item Code	Item Name	Material	Finish	L	P	Load Capacity N	Load Capacity kgf	Weight (g)
100-041-880	ZL-2003-32	Stainless Steel (SUS316)	Zwei L	38	32	150	15	33
100-041-881	ZL-2003-64			70	64			46
100-041-882	ZL-2003-96			102	96			59
100-041-883	ZL-2003-128			134	128			72
100-041-884	ZL-2003-160			166	160			86
100-041-885	ZL-2003-192			198	192			99
100-041-886	ZL-2003-256			262	256			125

Zwei L STAINLESS STEEL HANDLE ZL-2004 NEW

Latest Info



- Ultra-premium "Zwei L finish":
  Using top-class polishing technology, the finish combines the elegance of Satin with the deep glow of Mirror.
- Can also be used on glass when used with the XL-2301 bracket. (optional part).
- Has sharper corners than the ZL-2001 and ZL-2002 handles.

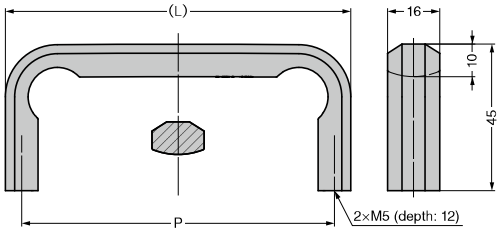
TEST METHOD 20 | SUS316 | TEMPERED GLASS | SCREW

Remarks
- When installing to thin sheet metal or acrylic sheet, mounting surface may not be horizontal and the sheet may warp. Please check with actual item.

Parts Included
- Truss head screw M4 × 28 (SUS)

Optional Part
- ZL-2301 bracket





Concept

Item Code	Item Name	Material	Finish	L	P	Load Capacity N	Load Capacity kgf	Weight (g)
100-041-887	ZL-2004-96	Stainless Steel (SUS316)	Zwei L	106	96	250	25	172
100-041-888	ZL-2004-128			138	128			208
100-041-889	ZL-2004-160			170	160			244
100-041-890	ZL-2004-192			202	192			280
100-041-891	ZL-2004-256			266	256			351
100-041-892	ZL-2004-320			330	320			421
100-041-893	ZL-2004-416			426	416			526
100-041-894	ZL-2004-512			522	512			630

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.

Zwei L BRACKET FOR STAINLESS STEEL HANDLE ZL-2301

Latest Info



- Zwei L series bracket for ZL-2001, ZL-2002, ZL-2003 and ZL-2004 handles to attach to glass.
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Applicable glass thicknesses: 4, 5 and 6mm

SUS316 | TEMPERED GLASS | SCREW

Concept

Bracket Set for ZL-2001ϕ16 (w/Screw)

Item Code	Item Name
100-010-978	ZL-2301-2016

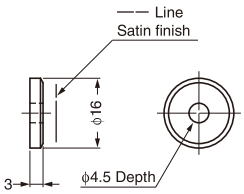
No.	Part Name	Material	Finish/Colour	Box
①	Bracket (ϕ16)	Stainless Steel (SUS316)	Zwei L Finish	2 pcs
③	Gasket (ϕ14)	Elastomer (TPE)	Clear	4 pcs
⑤	Truss Head Screw M4×16	Stainless Steel	Zwei L Finish	2 pcs

Bracket Set for ZL-2002ϕ25 (w/Screw)

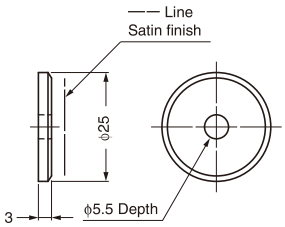
Item Code	Item Name
100-010-979	ZL-2301-2025

No.	Part Name	Material	Finish/Colour	Box
②	Bracket (ϕ25)	Stainless Steel (SUS316)	Zwei L Finish	2 pcs
③	Gasket (ϕ14)	Elastomer (TPE)	Clear	2 pcs
④	Gasket (ϕ20)	Elastomer (TPE)	Clear	2 pcs
⑥	Truss Head Screw M5×16	Stainless Steel	Zwei L Finish	2 pcs

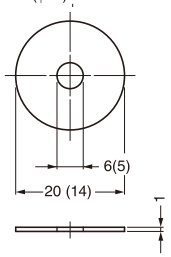
① Bracket (ϕ16)



② Bracket (ϕ25)

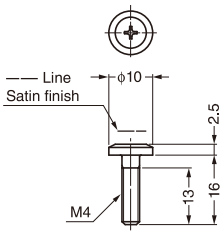


③ Gasket (ϕ14)
④ Gasket (ϕ20)



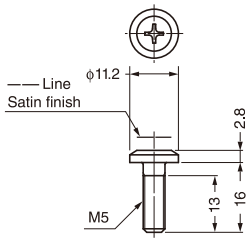
Above shows ④. Size for ③ shows in ( ).

⑤ Truss head screw M4×16



Glass cut out dimension: ϕ5 (Glass thickness 4, 5)
ϕ6 (Glass thickness 6)

⑥ Truss head screw M5×16



Glass cut out dimension: ϕ6

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HATCH PULLS
TRUNK HANDLES
KNOBS
DOOR HANDLES & KNOBS
BACK SCREW MOUNT
FRONT SCREW MOUNT

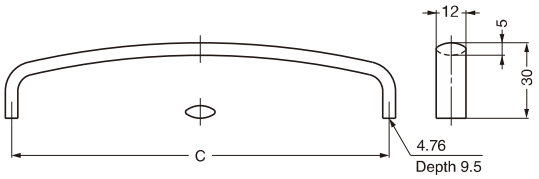
STAINLESS STEEL HANDLE KC-R

Latest Info



- Ideal for harsh and high corrosion environments

SUS316 SCREW



Item Code		Item Name		C	Weight	Box	Carton
100-023-418	100-023-422	KC-R635/M	KC-R635/S	88.9	60 g	20 pcs	200 pcs
100-023-419	100-023-423	KC-R640/M	KC-R640/S	101.6	67 g		
100-023-420	100-023-424	KC-R650/M	KC-R650/S	127	78 g		
100-023-421	100-023-425	KC-R660/M	KC-R660/S	152.4	88 g		

Material	Finish
316 Stainless Steel	Mirror (M) Satin (S)

LAMP STAINLESS STEEL HANDLE EK-R

Latest Info

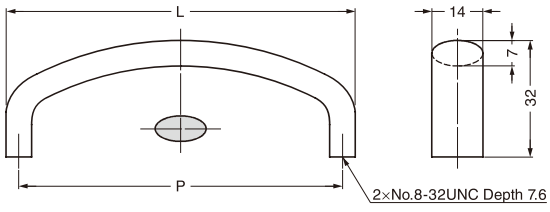


- Uses top quality, highly corrosion resistant SUS316

SUS316 SCREW

Parts Included

- Truss head screw No.8-32UNC × 25 (SUS)



Item Code	Item Name	Material	Finish	L	P	Weight	Box	Carton
100-010-460	EK-R635/M	Stainless Steel (SUS316)	Mirror	95.9	88.9	95 g	20 pcs	200 pcs
100-010-464	EK-R635/S	Stainless Steel (SUS316)	Satin	95.9	88.9	95 g	20 pcs	200 pcs
100-010-461	EK-R640/M	Stainless Steel (SUS316)	Mirror	108.6	101.6	106 g	20 pcs	200 pcs
100-010-465	EK-R640/S	Stainless Steel (SUS316)	Satin	108.6	101.6	106 g	20 pcs	200 pcs
100-010-462	EK-R650/M	Stainless Steel (SUS316)	Mirror	134	127	123 g	20 pcs	200 pcs
100-010-466	EK-R650/S	Stainless Steel (SUS316)	Satin	134	127	123 g	20 pcs	200 pcs
100-010-463	EK-R660/M	Stainless Steel (SUS316)	Mirror	159.4	152.4	141 g	20 pcs	200 pcs
100-010-467	EK-R660/S	Stainless Steel (SUS316)	Satin	159.4	152.4	141 g	20 pcs	200 pcs

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LAMP STAINLESS STEEL HANDLE XL-JSR

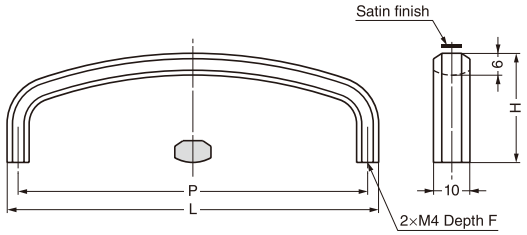
Latest Info



- Exquisite combination of satin and mirror finishes

SUS316 | SCREW

Parts Included
- Truss head screw M4×25 (SUS)



Item Code	Item Name	Material	Finish	L	P	H	F	Weight	Box	Carton
100-012-795	XL-JSR40TT	Stainless Steel (SUS316)	Mirror and Satin Combination	38	32	27	10	26 g	30 pcs	300 pcs
100-012-796	XL-JSR70TT	Stainless Steel (SUS316)	Mirror and Satin Combination	70	64	30	10	36 g	20 pcs	200 pcs
100-012-797	XL-JSR100TT	Stainless Steel (SUS316)	Mirror and Satin Combination	102	96	30	9	51 g	20 pcs	200 pcs
100-012-798	XL-JSR135TT	Stainless Steel (SUS316)	Mirror and Satin Combination	134	128	30	9	63 g	15 pcs	150 pcs

LAMP STAINLESS STEEL HANDLE XL-CU

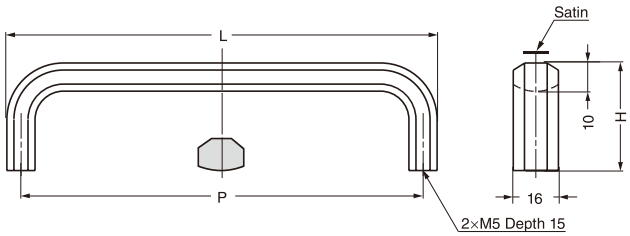
Latest Info



- Exquisite combination of satin and mirror finishes

SUS | SCREW

Parts Included
- Truss head screw M5×30 (SUS)



Item Code	Item Name	Material	Finish	L	H	P	Weight	Box	Carton
100-010-470	XL-CU80TT	Stainless Steel (SUS303)	Mirror and Satin Combination	82	32	72	125 g	10 pcs	100 pcs
100-010-471	XL-CU100TT	Stainless Steel (SUS303)	Mirror and Satin Combination	102	34	92	151 g	10 pcs	100 pcs
100-010-472	XL-CU120TT	Stainless Steel (SUS303)	Mirror and Satin Combination	122	36	112	178 g	10 pcs	100 pcs
100-010-473	XL-CU150TT	Stainless Steel (SUS303)	Mirror and Satin Combination	152	38	142	215 g	8 pcs	80 pcs
100-010-474	XL-CU180TT	Stainless Steel (SUS303)	Mirror and Satin Combination	182	40	172	286 g	8 pcs	80 pcs
100-010-475	XL-CU220TT	Stainless Steel (SUS303)	Mirror and Satin Combination	222	42	212	309 g	8 pcs	40 pcs
100-010-476	XL-CU300TT	Stainless Steel (SUS303)	Mirror and Satin Combination	302	44	292	392 g	6 pcs	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.

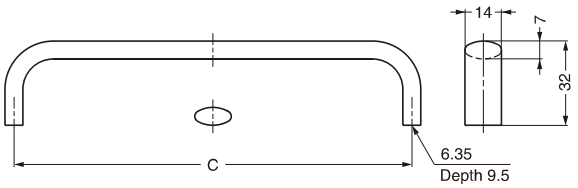
STAINLESS STEEL HANDLE EK-S

Latest Info



- Ideal for harsh and high corrosion environments.

SUS316 SCREW

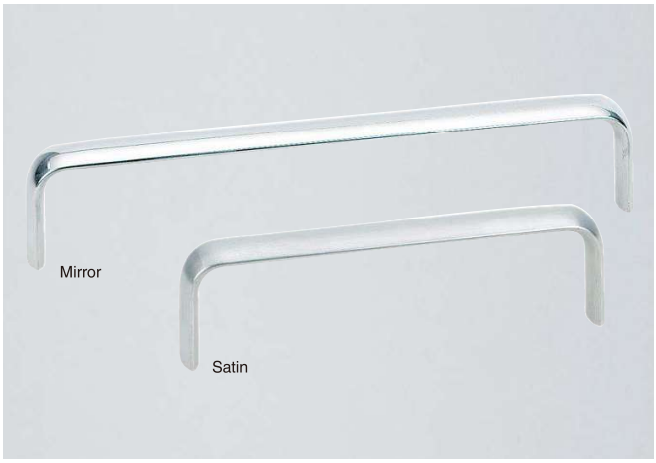


Item Code		Item Name		C	Weight	Box	Carton
100-023-426	100-023-430	EK-S635/M	EK-S635/S	88.9	106 g	20 pcs	200 pcs
100-023-427	100-023-431	EK-S640/M	EK-S640/S	101.6	116 g		
100-023-428	100-023-432	EK-S650/M	EK-S650/S	127	134 g		
100-023-429	100-023-433	EK-S660/M	EK-S660/S	152.4	152 g		

Material	Finish
316 Stainless Steel	Mirror (M) Satin (S)

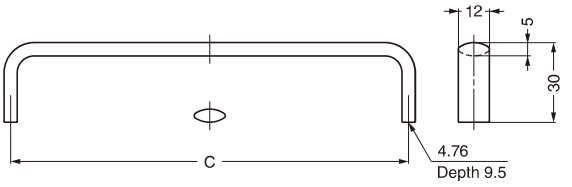
STAINLESS STEEL HANDLE KC-S

Latest Info



- Ideal for harsh and high corrosion environments.

SUS316 SCREW



Item Code		Item Name		C	Weight	Box	Carton
100-023-410	100-023-414	KC-S635/M	KC-S635/S	88.9	67 g	20 pcs	200 pcs
100-023-411	100-023-415	KC-S640/M	KC-S640/S	101.6	71 g		
100-023-412	100-023-416	KC-S650/M	KC-S650/S	127	85 g		
100-023-413	100-023-417	KC-S660/M	KC-S660/S	152.4	95 g		

Material	Finish
316 Stainless Steel	Mirror (M) Satin (S)

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LAMP. HANDLE XLA-HA

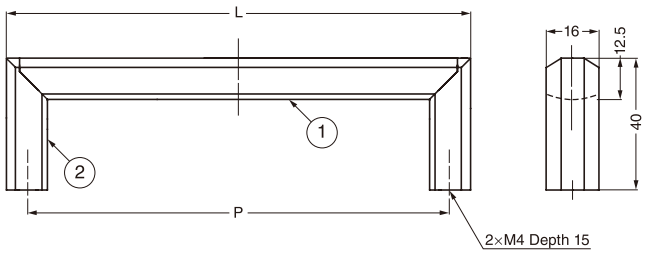
Latest Info



- Straight linear design provides a visually appealing design that integrates very easily.

SCREW

Parts Included
- Truss head screw M4×25



No.	Part Name	Material	Finish
①	Handle	Aluminium Alloy	Anodized Silver
②	Leg	Zinc Alloy (ZDC)	Dull Chrome

Item Code	Item Name	L	P	Weight	Box	Carton
100-010-059	XLA-HA96	109	96	129 g	20 pcs	80 pcs
100-010-060	XLA-HA128	141	128	144 g	20 pcs	80 pcs
100-010-061	XLA-HA192	205	192	149 g	20 pcs	80 pcs
100-010-062	XLA-HA256	269	256	169 g	10 pcs	60 pcs
100-010-063	XLA-HA320	333	320	189 g	10 pcs	60 pcs

LAMP. STAINLESS STEEL HANDLE XL-JS

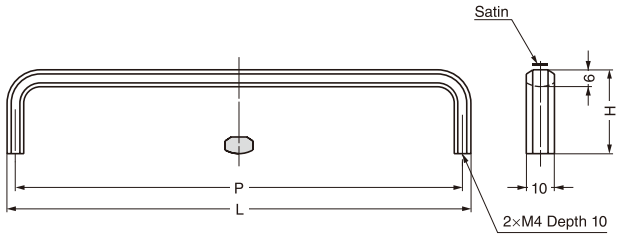
Latest Info



- Exquisite combination of satin and mirror finishes

SUS316 SCREW

Parts Included
- Truss head screw M4×25 (SUS)



Item Code	Item Name	Material	Finish	L	P	H	Weight	Box	Carton
100-012-792	XL-JS165TT	Stainless Steel (SUS316)	Mirror and Satin Combination	166	160	30	87 g	15 pcs	150 pcs
100-012-793	XL-JS260TT	Stainless Steel (SUS316)	Mirror and Satin Combination	260	254	33	130 g	10 pcs	100 pcs
100-012-794	XL-JS360TT	Stainless Steel (SUS316)	Mirror and Satin Combination	358	352	36	173 g	10 pcs	100 pcs

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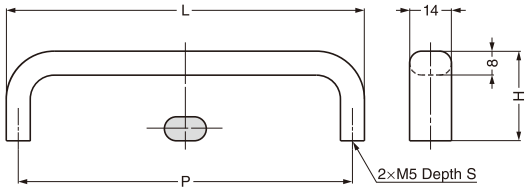
LAMP. STAINLESS STEEL HANDLE EC

Latest Info



SUS | SCREW

Parts Included
- Truss head screw M5×28



Item Code	Item Name	Material	Finish	L	H	P	S	Weight	Box	Carton
100-017-232	EC-80S	Stainless Steel (SUS304)	Satin	80	30	72	10	94 g	20 pcs	200 pcs
100-017-226	EC-80M	Stainless Steel (SUS304)	Mirror	80	30	72	10	94 g	20 pcs	200 pcs
100-017-233	EC-100S	Stainless Steel (SUS304)	Satin	100	32	92	10	115 g	15 pcs	150 pcs
100-017-227	EC-100M	Stainless Steel (SUS304)	Mirror	100	32	92	10	115 g	15 pcs	150 pcs
100-017-234	EC-120S	Stainless Steel (SUS304)	Satin	120	34	112	12	130 g	15 pcs	150 pcs
100-017-228	EC-120M	Stainless Steel (SUS304)	Mirror	120	34	112	12	130 g	15 pcs	150 pcs
100-017-235	EC-150S	Stainless Steel (SUS304)	Satin	150	36	142	12	157 g	10 pcs	100 pcs
100-017-229	EC-150M	Stainless Steel (SUS304)	Mirror	150	36	142	12	157 g	10 pcs	100 pcs
100-017-236	EC-180S	Stainless Steel (SUS304)	Satin	180	37	172	12	183 g	10 pcs	100 pcs
100-010-049	EC-180M	Stainless Steel (SUS304)	Mirror	180	37	172	12	183 g	10 pcs	100 pcs
100-017-237	EC-220S	Stainless Steel (SUS304)	Satin	220	38	212	12	216 g	8 pcs	80 pcs
100-010-050	EC-220M	Stainless Steel (SUS304)	Mirror	220	38	212	12	216 g	8 pcs	80 pcs

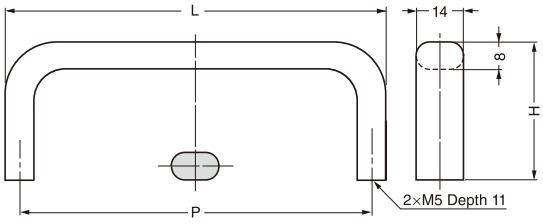
LAMP. STAINLESS STEEL HANDLE ECH

Latest Info



SUS | SCREW

Parts Included
- Truss head screw M5×28



Item Code	Item Name	Material	Finish	L	H	P	Weight	Box	Carton
100-017-249	ECH-75S	Stainless Steel (SUS303)	Satin	83	40	75	110 g	10 pcs	100 pcs
100-017-241	ECH-75M	Stainless Steel (SUS303)	Mirror	83	40	75	110 g	10 pcs	100 pcs
100-017-252	ECH-100S	Stainless Steel (SUS303)	Satin	108	40	100	135 g	15 pcs	150 pcs
100-017-242	ECH-100M	Stainless Steel (SUS303)	Mirror	108	40	100	135 g	15 pcs	150 pcs
100-017-251	ECH-125S	Stainless Steel (SUS303)	Satin	133	40	125	153 g	10 pcs	100 pcs
100-017-243	ECH-125M	Stainless Steel (SUS303)	Mirror	133	40	125	153 g	10 pcs	100 pcs
100-017-244	ECH-150M	Stainless Steel (SUS303)	Mirror	158	50	150	190 g	7 pcs	70 pcs
100-017-245	ECH-200M	Stainless Steel (SUS303)	Mirror	208	50	200	244 g	10 pcs	100 pcs
100-017-246	ECH-250M	Stainless Steel (SUS303)	Mirror	258	50	250	280 g	5 pcs	50 pcs
100-017-247	ECH-300M	Stainless Steel (SUS303)	Mirror	308	50	300	306 g	5 pcs	50 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.

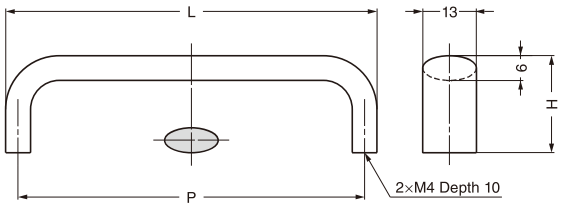
LAMP. STAINLESS STEEL HANDLE DL

Latest Info



SUS | SCREW

Parts Included
- Truss head screw M4×28



Item Code	Item Name	Material	Finish	L	H	P	Weight	Box	Carton
100-011-102	DL-70S	Stainless Steel (SUS303)	Satin	70	23	64	50 g	20 pcs	200 pcs
100-011-101	DL-70M	Stainless Steel (SUS303)	Mirror	70	23	64	50 g	20 pcs	200 pcs
100-011-104	DL-90S	Stainless Steel (SUS303)	Satin	90	23.5	84	60 g	20 pcs	200 pcs
100-011-103	DL-90M	Stainless Steel (SUS303)	Mirror	90	23.5	84	60 g	20 pcs	200 pcs
100-011-106	DL-110S	Stainless Steel (SUS303)	Satin	110	24	104	70 g	15 pcs	150 pcs
100-011-105	DL-110M	Stainless Steel (SUS303)	Mirror	110	24	104	70 g	15 pcs	150 pcs
100-011-108	DL-130S	Stainless Steel (SUS303)	Satin	130	24.5	124	80 g	15 pcs	150 pcs
100-011-107	DL-130M	Stainless Steel (SUS303)	Mirror	130	24.5	124	80 g	15 pcs	150 pcs
100-011-110	DL-150S	Stainless Steel (SUS303)	Satin	150	25	144	95 g	15 pcs	150 pcs
100-011-109	DL-150M	Stainless Steel (SUS303)	Mirror	150	25	144	95 g	15 pcs	150 pcs

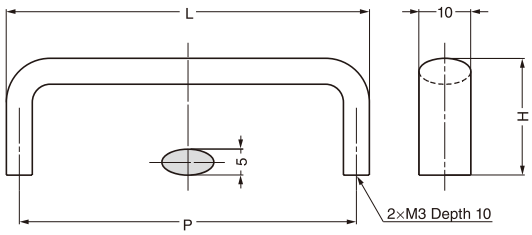
LAMP. STAINLESS STEEL HANDLE DS

Latest Info

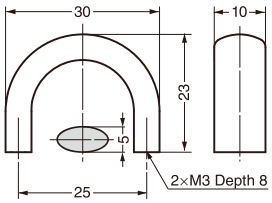


SUS | SCREW

Parts Included
- Truss head screw M3×28



DS-50, DS-70, DS-90



DS-30

Item Code	Item Name	Material	Finish	L	H	P	Weight	Box	Carton
100-011-112	DS-30S	Stainless Steel (SUS303)	Satin	As Above			20 g	40 pcs	400 pcs
100-011-111	DS-30M	Stainless Steel (SUS303)	Mirror				20 g	40 pcs	400 pcs
100-011-114	DS-50S	Stainless Steel (SUS303)	Satin	50	22	45	25 g	30 pcs	300 pcs
100-011-113	DS-50M	Stainless Steel (SUS303)	Mirror	50	22	45	25 g	30 pcs	300 pcs
100-011-116	DS-70S	Stainless Steel (SUS303)	Satin	70	22.5	65	32 g	30 pcs	300 pcs
100-011-115	DS-70M	Stainless Steel (SUS303)	Mirror	70	22.5	65	32 g	30 pcs	300 pcs
100-011-118	DS-90S	Stainless Steel (SUS303)	Satin	90	23	85	39 g	20 pcs	200 pcs
100-011-117	DS-90M	Stainless Steel (SUS303)	Mirror	90	23	85	39 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.

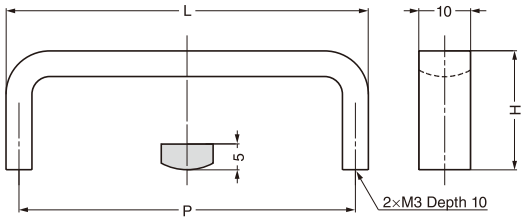
LAMP. STAINLESS STEEL HANDLE KB

Latest Info

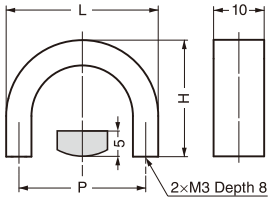


SUS | SCREW

Parts Included
- Truss head screw M3×28



KB-50, KB-70, KB-90



KB-30

Item Code	Item Name	Material	Finish	L	H	P	Weight	Box	Carton
100-011-094	KB-30S	Stainless Steel (SUS303)	Satin	30	23	25	22 g	40 pcs	400 pcs
100-011-093	KB-30M	Stainless Steel (SUS303)	Mirror	30	23	25	22 g	40 pcs	400 pcs
100-011-096	KB-50S	Stainless Steel (SUS303)	Satin	50	22	45	30 g	30 pcs	300 pcs
100-011-095	KB-50M	Stainless Steel (SUS303)	Mirror	50	22	45	30 g	30 pcs	300 pcs
100-011-098	KB-70S	Stainless Steel (SUS303)	Satin	70	22.5	65	37 g	30 pcs	300 pcs
100-011-097	KB-70M	Stainless Steel (SUS303)	Mirror	70	22.5	65	37 g	30 pcs	300 pcs
100-011-100	KB-90S	Stainless Steel (SUS303)	Satin	90	23	85	48 g	20 pcs	200 pcs
100-011-099	KB-90M	Stainless Steel (SUS303)	Mirror	90	23	85	48 g	20 pcs	200 pcs

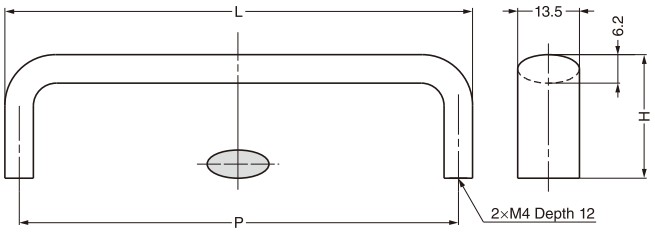
LAMP. HANDLE DLB

Latest Info



SCREW

Parts Included
- Truss head screw M4×28



Item Code	Item Name	Material	Finish	L	H	P	Weight	Box	Carton
100-907-405	DLB-96PB	Brass	Mirror	102.2	27	96	79 g	20 pcs	200 pcs
100-012-500	DLB-96CR	Brass	Chrome	102.2	27	96	79 g	20 pcs	200 pcs
100-907-408	DLB-128PB	Brass	Mirror	134.2	28	128	96 g	15 pcs	150 pcs
100-012-502	DLB-128CR	Brass	Chrome	134.2	28	128	96 g	15 pcs	150 pcs

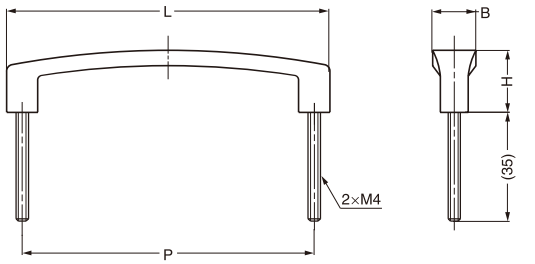
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. HANDLE ATO

Latest Info



Parts Included
- Nut



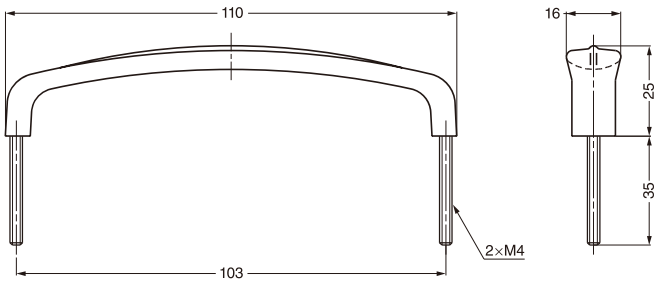
Item Code	Item Name	Material	Finish	L	H	B	P	Weight	Box	Carton
100-010-927	ATO-A209	Brass	Satin Nickel	90	18	13	80	65 g	30 pcs	300 pcs
100-010-928	ATO-A208	Brass	Satin Nickel	104	20	14	94	80 g	25 pcs	250 pcs
100-010-929	ATO-A207	Brass	Satin Nickel	121	21	15	112	110 g	15 pcs	150 pcs

LAMP. OVAL HANDLE OPE-110

Latest Info



Parts Included
- Nut



Item Code	Item Name	Material	Finish	Weight	Box	Carton
100-010-932	OPE-110	Brass	Satin Nickel	83 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.

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FRONT SCREW MOUNT

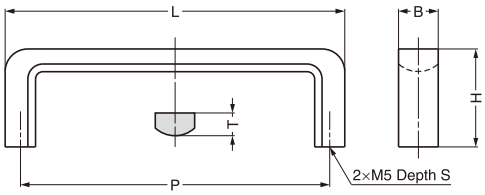
LAMP. STAINLESS STEEL HANDLE FB

Latest Info



SUS SCREW

Parts Included
- Pan-head screw M5×25



Item Code	Item Name	Material	Finish	L	H	B	T	P	S	Weight	Box	Carton
100-010-074	FB-90	Stainless Steel (SCS13)	Mirror	90	26	10.5	6	82	10	45 g	35 pcs	280 pcs
100-010-075	FB-110	Stainless Steel (SCS13)	Mirror	110	28	12.5	7	102	12	100 g	25 pcs	200 pcs
100-010-076	FB-130	Stainless Steel (SCS13)	Mirror	130	32	14.5	8	120	14	110 g	20 pcs	160 pcs

*SCS13 is equivalent of SUS304.

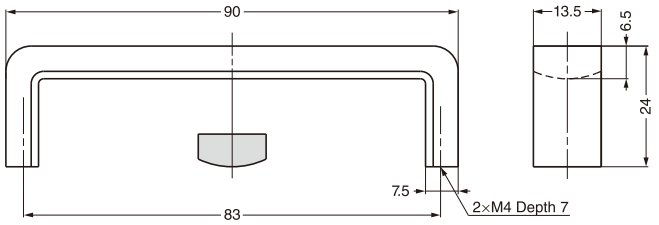
LAMP. RECTANGULAR STRAIGHT HANDLE HIRA

Latest Info



SCREW

Parts Included
- Truss head screw M4×28



Item Code	Item Name	Material	Finish	Weight	Box	Carton
100-010-924	HIRA-A012	Brass	Satin Nickel	98 g	20 pcs	240 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. DIE CAST HANDLE 936

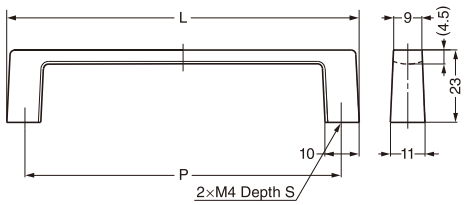
Latest Info



SCREW

Remarks
- Screws are not included in 936-55-SNI and 936-100-SNI (Soft Nickel finish).

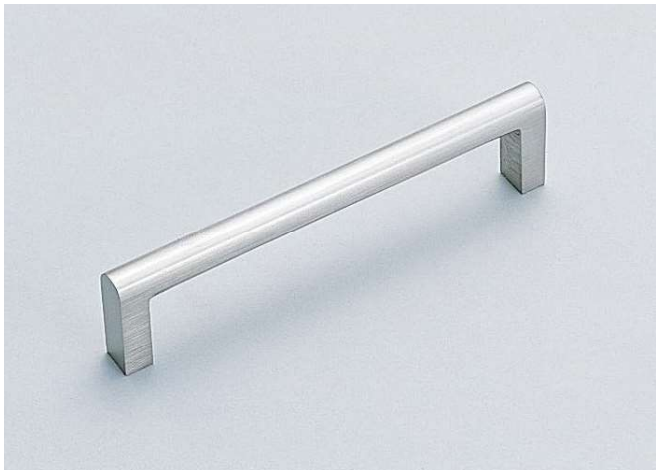
Parts Included
- 936-55-SCR : Truss head screw M4×25
- 936-100-DC : Truss head screw M4×28



Item Code	Item Name	Material	Finish	L	P	S	Weight	Box	Carton
100-010-101	936-55-SCR	Zinc Alloy (ZDC)	Satin Chrome	66.5	55	8	46 g	50 pcs	200 pcs
100-019-096	936-55-SNI	Zinc Alloy (ZDC)	Soft Nickel	66.5	55	8	46 g	50 pcs	200 pcs
100-010-003	936-100-DC	Zinc Alloy (ZDC)	Dull Chrome/Clear	112	100.5	10	57 g	50 pcs	200 pcs
100-019-127	936-100-SNI	Zinc Alloy (ZDC)	Soft Nickel	112	100.5	10	57 g	50 pcs	200 pcs

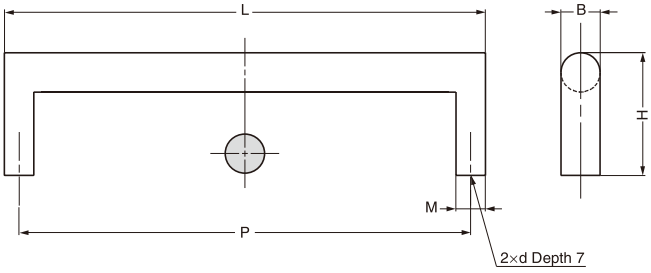
LAMP. SQUARE FOOT HANDLE KAKU

Latest Info



SCREW

Parts Included
- KAKU-A161 : Truss head screw M3×28
- KAKU-A160, KAKU-A159 : Truss head screw M4×28



Item Code	Item Name	Material	Finish	L	H	B	P	M	d	Weight	Box	Carton
100-010-921	KAKU-A161	Brass	Satin Nickel	84	24	7	78	7	M3	50 g	35 pcs	420 pcs
100-010-922	KAKU-A160	Brass	Satin Nickel	99	25	8	92	8	M4	65 g	30 pcs	360 pcs
100-010-923	KAKU-A159	Brass	Satin Nickel	124	29	9	113	11	M4	103 g	20 pcs	240 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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STAINLESS STEEL HANDLE KPH

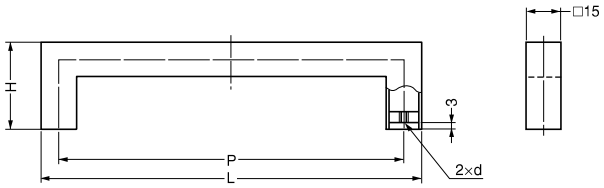
Latest Info



- Light handle with hollow body.

SUS

Recommended Screw
- dx(Door thickness+10 - 15)



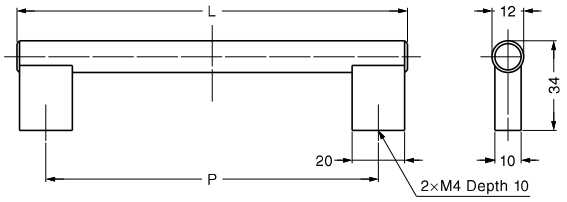
Item Code	Item Name	Material	Finish	L	H	P	d	Weight	Box	Carton
100-019-195	KPH-160	Stainless Steel (SUS304)	Satin	176	40	160	M4	80 g	10 pcs	100 pcs
100-019-196	KPH-192	Stainless Steel (SUS304)	Satin	208	40	192	M4	95 g	10 pcs	100 pcs
100-019-197	KPH-224	Stainless Steel (SUS304)	Satin	240	50	224	M5	125 g	10 pcs	100 pcs
100-019-198	KPH-256	Stainless Steel (SUS304)	Satin	272	50	256	M5	133 g	10 pcs	100 pcs
100-019-199	KPH-288	Stainless Steel (SUS304)	Satin	304	50	288	M5	142 g	10 pcs	100 pcs

STAINLESS STEEL HANDLE 98398

Latest Info



SUS



Item Code	Item Name	Material	Finish	L	P	Weight	Box
100-012-961	983985	Stainless Steel	Satin	150	128	74 g	25 pcs
100-012-962	983986	Stainless Steel	Satin	182	160	85 g	25 pcs
100-012-963	983987	Stainless Steel	Satin	214	192	93 g	25 pcs
100-012-964	983988	Stainless Steel	Satin	342	320	128 g	25 pcs
100-012-965	983989	Stainless Steel	Satin	514	492	175 g	25 pcs

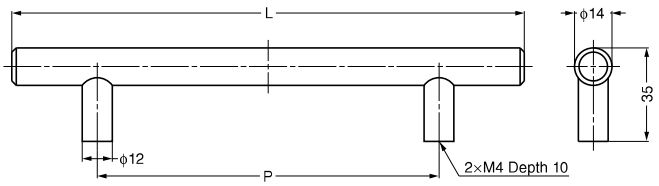
STAINLESS STEEL HANDLE 98399 (Previously I1014)

Latest Info



SUS

Recommended Screw
- Truss head screw M4×(Door thickness+5 - 10)



Item Code	Item Name	Material	Finish	L	P	Weight	Box
100-012-629	983990	Stainless Steel	Satin	192	128	113 g	25 pcs
100-012-628	983991	Stainless Steel	Satin	256	192	136 g	25 pcs
100-012-627	983992	Stainless Steel	Satin	406	342	187 g	25 pcs
100-012-626	983993	Stainless Steel	Satin	556	492	216 g	25 pcs

*This item name (product name) has been changed.

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 SOFT SILICONE HANDLE PXB-GR09 Silicone Rubber Series NEW

Latest Info



PXB-GR09-096-WT

Brighten spaces with this simple, yet soft silicone-covered handle that comes in a variety of fun and vivid colours.

- Silicone hook PXB-GR05-211 is recommended for design coordination. (P.800)

SCREW

Specifications

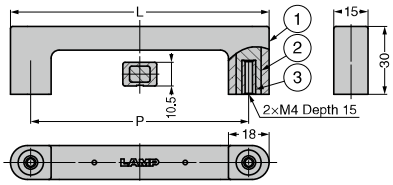
- The cover and base are integrated and cannot be separated.
- Custom colours are available from orders of 300 pcs or more.

Applications

- Kindergartens, preschools

Parts Included

- cross-recessed pan head screw M4 × 30



Colour Variation

Red Yellow Green Blue White Black

KIDS DESIGN AWARD 2022

No.	Part Name	Material
①	Cover	Silicone Rubber (Q)
②	Base	Polycarbonate (PC)
③	Insert Nut	Brass

Item Code	Item Name	Colour	L	P	Box (pcs)	Carton (pcs)
100-049-870	PXB-GR09-096-RD	Red	114	96	20	200
100-049-871	PXB-GR09-096-YE	Yellow			20	200
100-049-872	PXB-GR09-096-GN	Green			20	200
100-049-873	PXB-GR09-096-BU	Blue			20	200
100-049-874	PXB-GR09-096-WT	White			20	200
100-049-875	PXB-GR09-096-BL	Black			20	200
100-049-876	PXB-GR09-128-RD	Red	146	128	15	150
100-049-877	PXB-GR09-128-YE	Yellow			15	150
100-049-878	PXB-GR09-128-GN	Green			15	150
100-049-879	PXB-GR09-128-BU	Blue			15	150
100-049-880	PXB-GR09-128-WT	White			15	150
100-049-881	PXB-GR09-128-BL	Black			15	150

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DOOR HANDLES & KNOBS

LAMP. HANDLE (AGED CAST SERIES) PXB-AC09-128

Latest Info



Black Bronze　　Brown Bronze



Generous amounts of brass cast into a nostalgic and rugged finish.

- A wide array of matching products is available, allowing for total design coordination.

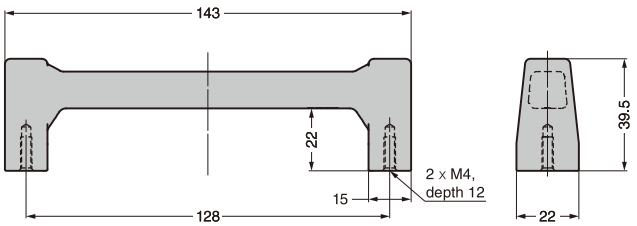
TEST METHOD 1　SCREW

Remarks

- The finish of the products varies as the finishing process works with the natural characteristics of the material.

Parts Included

- Size M4 x 30 truss head cross-recessed screws (stainless steel)



Item Code	Item Name	Material	Colour	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-033-726	PXB-AC09-128-BL	Brass	Black Bronze	500	51	350	4	16
100-033-727	PXB-AC09-128-BR		Brown Bronze				4	16

LAMP. HANDLE (AGED SCREW SERIES) PXB-AS09-128

Latest Info

BACK SCREW MOUNT
FRONT SCREW MOUNT



Brown Bronze　　Clear Bronze



Feature

Generous amounts of brass cast into a nostalgic and rugged finish. Slotted front installation screws, influenced by old-fashioned American interiors.

- A wide array of matching products is available, allowing for total design coordination.

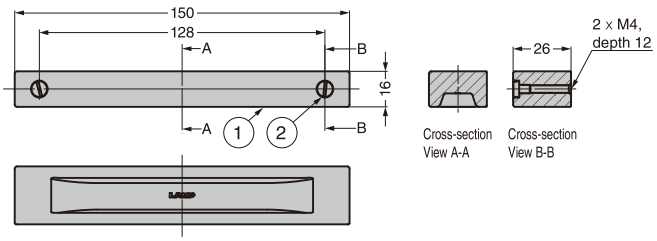
TEST METHOD 1　SCREW

Remarks

- The finish of the products varies as the finishing process works with the natural characteristics of the material.
- The slotted screws are for decoration only. Use the included screws to mount this product.

Parts Included

- Size M4 x 30 truss head cross-recessed screws (stainless steel)



Item Code	Item Name	Material	Colour	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-033-736	PXB-AS09-128-BR	Brass	Brown Bronze	500	51	319	5	30
100-033-737	PXB-AS09-128-SD		Clear Bronze				5	30

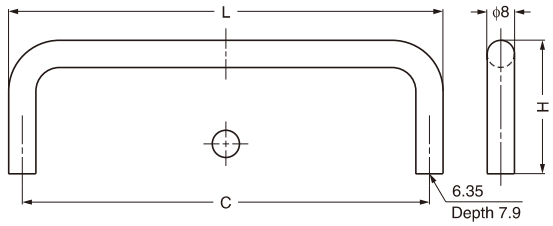
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

STAINLESS STEEL WIRE PULL SWP

Latest Info



SUS316 SCREW

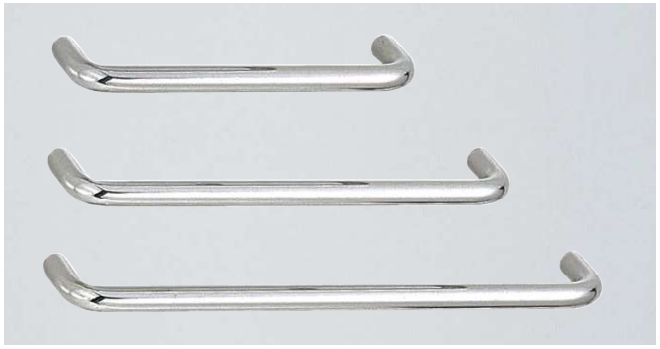


Item Code	Item Name	L	C	H	Weight	Box	Carton
100-023-434	SWP-630/S	84.2	76.2	34	71 g	20 pcs	200 pcs
100-023-435	SWP-635/S	96.9	88.9		78 g		
100-023-436	SWP-640/S	109.6	101.6		85 g		
100-023-437	SWP-696/S	104	96		81 g		

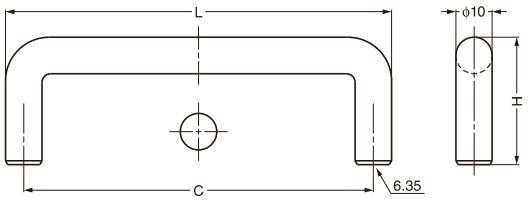
Material	Finish
316 Stainless Steel	Satin

STAINLESS STEEL WIRE PULL SWF

Latest Info



SUS316 SCREW



Item Code	Item Name	L	C	H	Weight	Box	Carton
100-023-438	SWF-640	111	101.5	35	90 g	20 pcs	200 pcs
100-023-439	SWF-650	136.5	127		110 g		
100-023-440	SWF-660	162	152.5		130 g		
100-023-441	SWF-690	238	228.5		200 g		
100-023-442	SWF-6120	314.5	305		270 g		

Material	Finish
316 Stainless Steel	Satin

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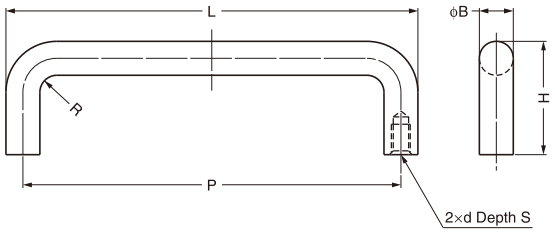
LAMP STAINLESS STEEL HANDLE H-42-C

Latest Info



- H-42-C-2, H-42-C-4, H-42-C-15 are also available in the same size in Titanium. (H-42-C-2 has slightly different L and B sizes)

SUS



Item Code	Item Name	Material	Finish	L	H	B	P	R	d	S	Weight	Box	Carton
100-010-560	H-42-C-8	Stainless Steel (SUS304)	Mirror	66	22	6	60	3	M4	7	18 g	100 pcs	500 pcs
100-010-562	H-42-C-14	Stainless Steel (SUS304)	Mirror	86	30	6	80	3	M4	7	25 g	50 pcs	250 pcs
100-010-561	H-42-C-1	Stainless Steel (SUS304)	Mirror	75	30	7	68	3.5	M5	8	30 g	50 pcs	250 pcs
100-010-563	H-42-C-2	Stainless Steel (SUS304)	Mirror	109	30	9	100	4.5	M5	8	65 g	50 pcs	150 pcs
100-010-564	H-42-C-3	Stainless Steel (SUS304)	Mirror	120	40	10	110	5	M6	8	100 g	50 pcs	150 pcs
100-010-565	H-42-C-4	Stainless Steel (SUS304)	Mirror	130	40	10	120	5	M6	8	105 g	50 pcs	150 pcs
100-010-566	H-42-C-15	Stainless Steel (SUS304)	Mirror	162	50	12	150	6	M8	10	185 g	30 pcs	60 pcs
100-010-567	H-42-C-5	Stainless Steel (SUS304)	Mirror	200	50	12	188	6	M8	10	220 g	30 pcs	60 pcs
100-010-568	H-42-C-6	Stainless Steel (SUS304)	Mirror	250	50	12	238	6	M8	10	265 g	20 pcs	40 pcs
100-010-569	H-42-C-7	Stainless Steel (SUS304)	Mirror	300	50	12	288	6	M8	10	300 g	20 pcs	40 pcs

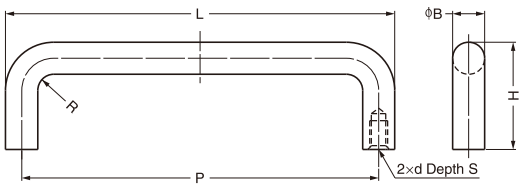
LAMP TITANIUM HANDLE H-42-CT

Latest Info



- Titanium is a tough, lightweight, corrosion resistant material.
- Titanium rarely causes allergies even in people with metal allergies.
- Due to titanium's non-magnetic properties, can be used even on devices like MRIs Titanium screws also available
- H-42-C has handles available in stainless steel which are very close in size.

Recommended Screw
- dx(Door thickness+5 - S)



Item Code	Item Name	Material	Finish	L	H	B	P	R	d	S	Weight	Box	Carton
100-010-352	H-42-CT-2	Titanium	Mirror	109	30	8	100	4.5	M5	8	37 g	20 pcs	80 pcs
100-010-351	H-42-CT-4	Titanium	Mirror	130	40	10	120	5	M6	8	59 g	20 pcs	80 pcs
100-010-549	H-42-CT-15	Titanium	Mirror	162	50	12	150	6	M8	10	105 g	20 pcs	80 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.

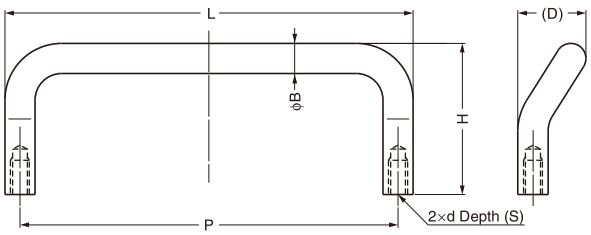
LAMP STAINLESS STEEL HANDLE H-75-C

Latest Info



- Grip portion has inclination, making it very easy to grab the handle.

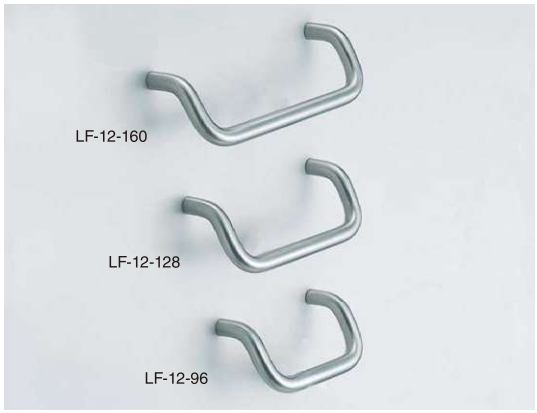
SUS



Item Code	Item Name	Material	Finish	L	H	D	B	P	d	S	Weight	Box	Carton
100-010-605	H-75-C-66	Stainless Steel (SUS304)	Polished	66	30	16	6	60	M4	7	23 g	100 pcs	400 pcs
100-010-606	H-75-C-86	Stainless Steel (SUS304)	Polished	86	31.5	16	6	80	M4	7	28 g	100 pcs	400 pcs
100-010-607	H-75-C-108	Stainless Steel (SUS304)	Polished	108	32	18	8	100	M5	10	54 g	50 pcs	200 pcs
100-010-608	H-75-C-128	Stainless Steel (SUS304)	Polished	128	40	18	8	120	M5	10	70 g	50 pcs	200 pcs

LAMP STAINLESS STEEL HANDLE LF-12

Latest Info

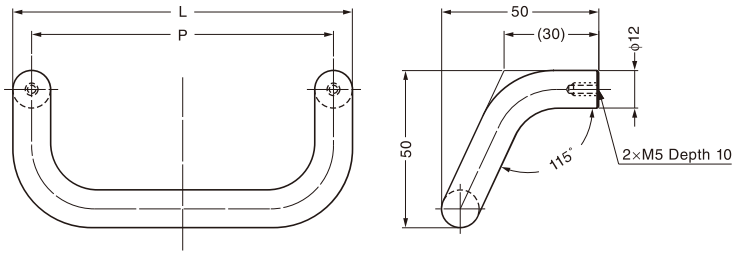


- Grip portion has inclination, making it very easy to grab the handle.

SUS SCREW

Parts Included

- Pan head screw M5×30



Item Code	Item Name	Material	Finish	L	P	Weight	Box
100-010-520	LF-12-96	Stainless Steel (SUS304)	Satin	108	96	182 g	10 pcs
100-010-521	LF-12-128	Stainless Steel (SUS304)	Satin	140	128	211 g	10 pcs
100-010-522	LF-12-160	Stainless Steel (SUS304)	Satin	172	160	236 g	10 pcs

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SELECTION GUIDE
HANDLES
PULLS
RECESSED PULLS
HATCH PULLS
TRUNK HANDLES
KNOBS
DOOR HANDLES & KNOBS
BACK SCREW MOUNT
FRONT SCREW MOUNT

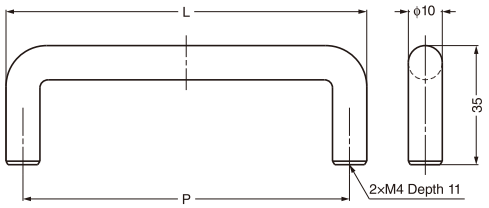
LAMP. STAINLESS STEEL HANDLE H-35

Latest Info



SUS

Parts Included
- Truss head screw M4×45



Item Code	Item Name	Material	Finish	L	P	Weight (g)	Box (pcs)	Carton (pcs)
100-036-723	H-35-96-SS	Stainless Steel (SUS304)	Satin	106	96	86	25	–
100-036-724	H-35-96-SM		Mirror	106	96	86	25	–
100-036-725	H-35-128-SS		Satin	138	128	106	25	–
100-036-726	H-35-128-SM		Mirror	138	128	106	25	–
100-036-727	H-35-160-SS		Satin	170	160	125	25	–
100-036-728	H-35-160-SM		Mirror	170	160	125	25	–
100-036-729	H-35-192-SS		Satin	202	192	145	25	–
100-036-730	H-35-192-SM		Mirror	202	192	145	25	–
100-036-731	H-35-288-SS		Satin	298	288	204	25	–
100-036-732	H-35-288-SM		Mirror	298	288	204	25	–

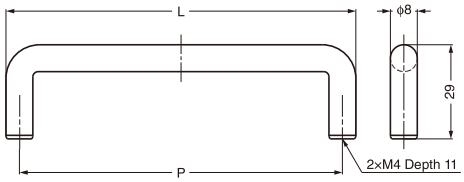
LAMP. STAINLESS STEEL HANDLE H-29

Latest Info



SUS

Parts Included
- Truss head screw M4×45



Item Code	Item Name	Material	Finish	L	P	Weight (g)	Box (pcs)	Carton (pcs)
100-036-733	H-29-64-SS	Stainless Steel (SUS304)	Satin	72	64	39	25	–
100-036-734	H-29-64-SM		Mirror	72	64	39	25	–
100-036-735	H-29-96-SS		Satin	104	96	52	25	–
100-036-736	H-29-96-SM		Mirror	104	96	52	25	–
100-036-737	H-29-128-SS		Satin	136	128	64	25	–
100-036-738	H-29-128-SM		Mirror	136	128	64	25	–
100-036-739	H-29-160-SS		Satin	168	160	77	25	–
100-036-740	H-29-160-SM		Mirror	168	160	77	25	–
100-036-741	H-29-192-SS		Satin	200	192	90	25	–
100-036-742	H-29-192-SM		Mirror	200	192	90	25	–

LAMP. STAINLESS STEEL HANDLE HGH

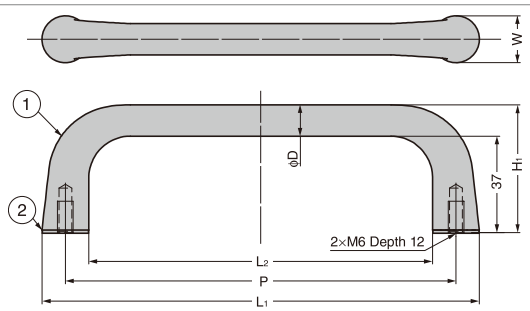
Latest Info



- Wider base for easy cleaning.
- Silicone rubber gasket is compliant with the Food Sanitation Act.

Concept

SUS



No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SCS13)	Mirror
②	Gasket	Silicone rubber (Q)	Blue

Item Code	Item Name	L1	L2	W	H1	P	D	Load Capacity N	Load Capacity kgf	Weight (g)
100-037-021	HGH-115SM	130	100	15	47	115	10	400	40.8	144
100-037-022	HGH-150SM	168	132	18	49	150	12	500	51	244
100-037-023	HGH-200SM	222.5	177.5	22.5	52	200	15			463



The handle shape and the mirror finish are designed to prevent dust accumulation. This helps to suppress bacterial propagation and allows for faster and easier cleaning.



The silicone rubber mount provides a snug fit between the handle and the mounting surface.

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 COLOURED NYLON HANDLE CJH

Latest Info

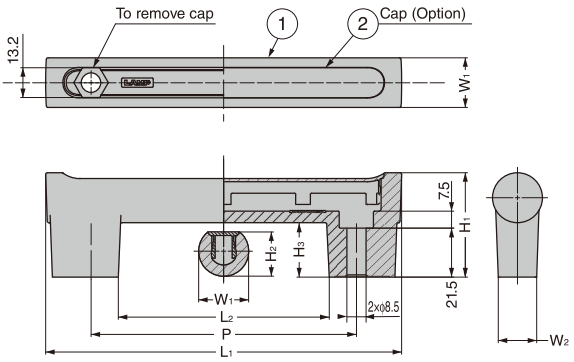
Toughness & Beautility HANDLE



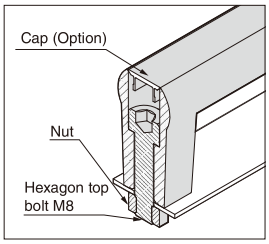
CJH-117/CJHC-117GR

- Long colour cap facilitates intuitive operation.
- The cover colours are used for indicating dangerous regions and different work areas.
- Handle can be fixed from either the front or back with screws.

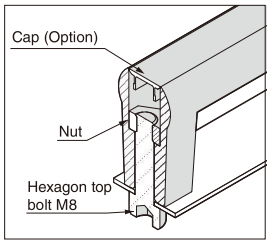
Concept

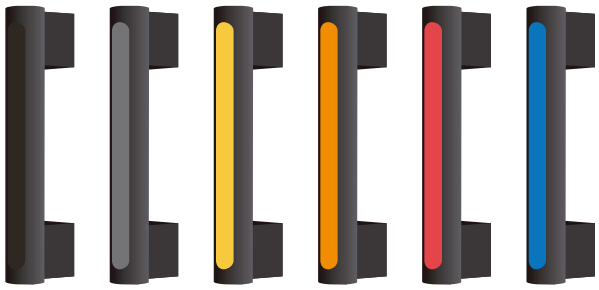


Fix from surface



Fix from back side





BL GR YE YR RD BU

No.	Part Name	Material
①	Body	Reinforced nylon
②	Cap	POM

Handle Body

Item Code	Item Name	Colour	L_1	L_2	W_1	W_2	H_1	H_2	H_3	P	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)
100-036-974	CJH-117	Black	157	93	22	17	46	19.5	24	117	500	51	64	50
100-036-975	CJH-150		190	125.5	24	18.5	52	21.4	28	150			89	50

Cap Sold Separately

Item Code	Item Name	Colour	Weight (g)	Available Handle	Box (pcs)
100-036-976	CJHC-117BL	Black	5.6	CJH-117	100
100-036-977	CJHC-117GR	Grey			100
100-036-978	CJHC-117YE	Yellow			100
100-036-979	CJHC-117YR	Orange			100
100-036-980	CJHC-117RD	Red			100
100-036-981	CJHC-117BU	Blue			100
100-036-982	CJHC-150BL	Black	7.1	CJH-150	100
100-036-983	CJHC-150GR	Grey			100
100-036-984	CJHC-150YE	Yellow			100
100-036-985	CJHC-150YR	Orange			100
100-036-986	CJHC-150RD	Red			100
100-036-987	CJHC-150BU	Blue			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.

LAMP COLOURED NYLON HANDLE SJH

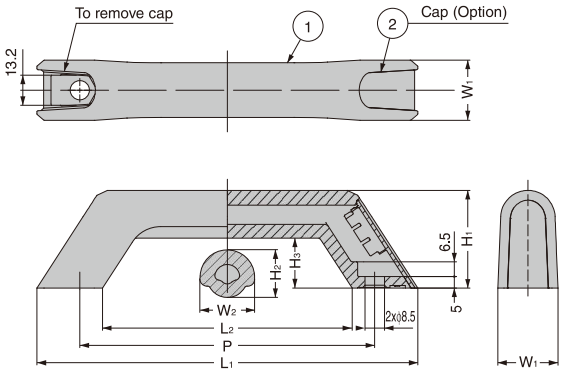
Latest Info

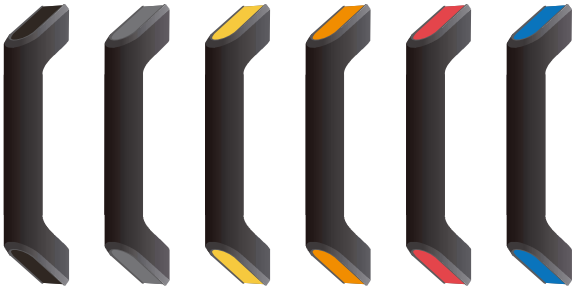
Toughness & Beautility HANDLE



SJH-162/SJHC-162YR

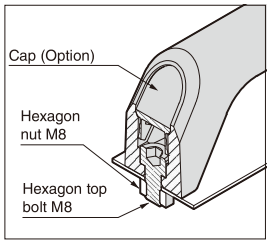
- A rounded handle for a comfortable grip.
- Handle can be fixed from either the front or back with screws.



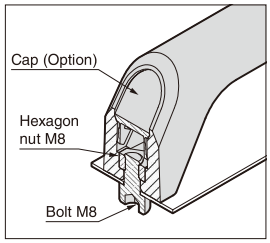


BL GR YE YR RD BU

Front Side Mount



Back Side Mount



Concept

Installation

No.	Part Name	Material
①	Body	Reinforced nylon
②	Cap	PA

Body

Item Code	Item Name	Material	L_1	L_2	W_1	W_2	H_1	H_2	H_3	P	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-036-988	SJH-130	Reinforced nylon	168	110	26.5	24	43	21	22	130	500	51	76	40	160
100-036-989	SJH-160		198	140	28.5	26	49	23	26	160			103	30	120

Cap Sold Separately

Item Code	Item Name	Material	Colour	Compatible Model	Weight (g)	Box (pcs)	Carton (pcs)
100-036-990	SJHC-130BL	PA	Black	SJH-130	1.5	100	1000
100-036-991	SJHC-130GR		Grey			100	1000
100-036-992	SJHC-130YE		Yellow			100	1000
100-036-993	SJHC-130YR		Orange			100	1000
100-036-994	SJHC-130RD		Red			100	1000
100-036-995	SJHC-130BU		Blue			100	1000
100-036-996	SJHC-160BL		Black	SJH-160	1.9	100	1000
100-036-997	SJHC-160GR		Grey			100	1000
100-036-998	SJHC-160YE		Yellow			100	1000
100-036-999	SJHC-160YR		Orange			100	1000
100-037-000	SJHC-160RD		Red			100	1000
100-037-001	SJHC-160BU		Blue			100	1000

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LAMP HANDLE KMH

Latest Info

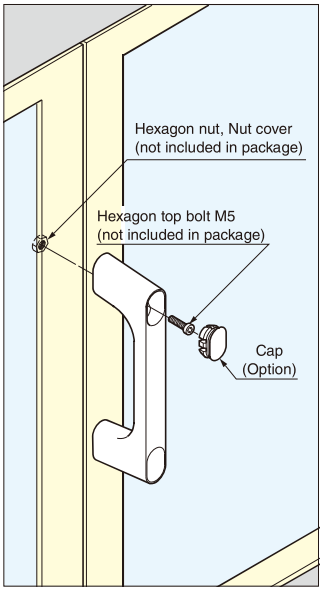


- The handle can be installed by screwing in from the front and then the screws can be hidden using handle caps (which are sold separately). The handle caps come in four different colors.
- The top of the handle is a stylish flat surface while the sides are rounded and easy to grab.
- The caps are hard to take off and prevent unintentional removal.
- We can also prepare caps in different colors. For this type of order the MOQ is 10,000 pieces.

Recommended Screw

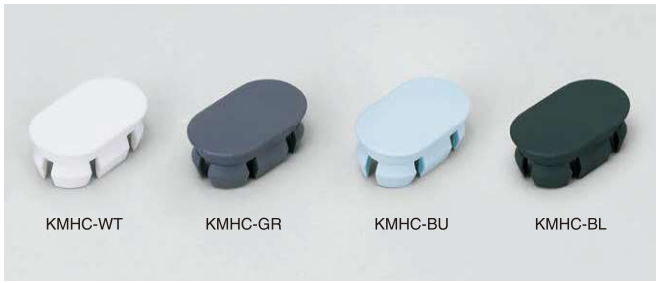
- Hexagon top bolt or Pan head screw M5, M5

Installation



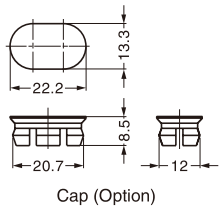
Concept

Caps (Option)

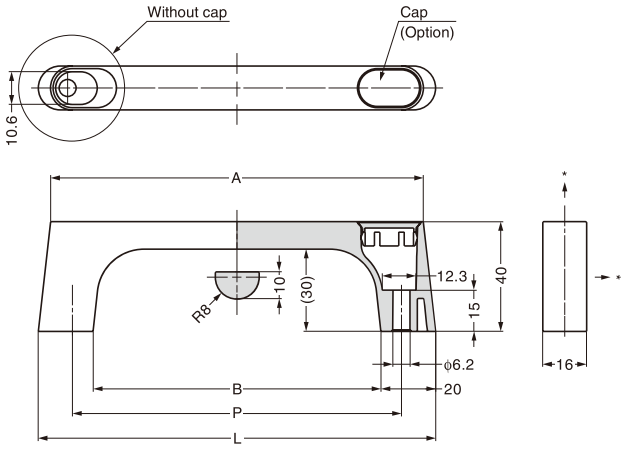


Without Cap





Cap (Option)



Body

Item Code	Item Name	Material	Finish	L	A	B	P	Load Capacity		Weight	Carton
100-024-063	KMH-100	Zinc Alloy (ZDC)	Satin Chrome	125	116	85	100	500 N	51 kgf	162 g	100 pcs
100-024-064	KMH-120	Zinc Alloy (ZDC)	Satin Chrome	145	136	105	120	500 N	51 kgf	180 g	60 pcs
100-024-065	KMH-150	Zinc Alloy (ZDC)	Satin Chrome	175	166	135	150	500 N	51 kgf	206 g	60 pcs

Load capacity for two directions (see *marks on above figure).

Caps (Option) (Sold by piece)

Item Code	Item Name	Material	Colour	Weight
100-024-066	KMHC-WT	PBT Plastic	White	1.0 g
100-024-067	KMHC-GR	PBT Plastic	Grey	1.0 g
100-024-068	KMHC-BU	PBT Plastic	Light Blue	1.0 g
100-024-924	KMHC-BL	PBT Plastic	Black	1.0 g

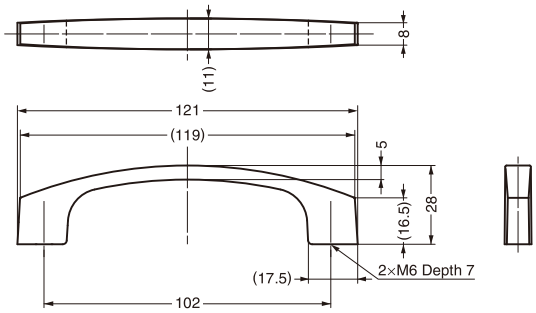
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SELECTION GUIDE
HANDLES
PULLS
RECESSED PULLS
HATCH PULLS
TRUNK HANDLES
KNOBS
DOOR HANDLES & KNOBS

LAMP. DIE CAST HANDLE SAZ-121CR

Latest Info





Item Code	Item Name	Material	Finish	Weight	Box	Carton
100-010-105	SAZ-121CR	Zinc Alloy (ZDC)	Chrome	67 g	50 pcs	200 pcs

HANDLE KK-H

Latest Info

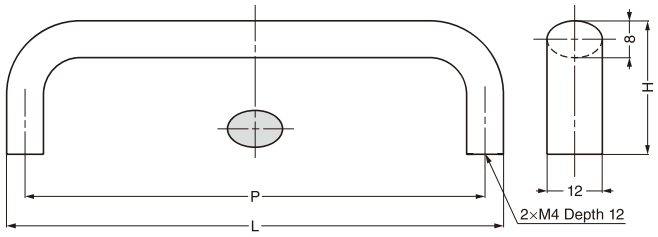
BACK SCREW MOUNT
FRONT SCREW MOUNT



SCREW

Parts Included

- Truss head screw M4×30

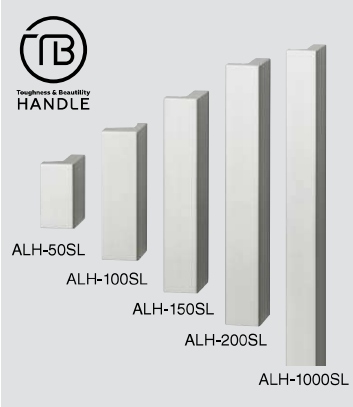


Item Code	Item Name	Material	Finish	L	H	P	Weight	Box	Carton
100-012-887	KK-H80SNI	Aluminium Alloy	Nickel+Clear Coating	78	28	70	20 g	25 pcs	200 pcs
100-012-888	KK-H80SSG	Aluminium Alloy	Satin Gold+Clear Coating	78	28	70	20 g	25 pcs	200 pcs
100-012-889	KK-H80SBR	Aluminium Alloy	Brown+Clear Coating	78	28	70	20 g	25 pcs	200 pcs
100-029-087	KK-H80BL	Aluminium Alloy	Paint/Black	78	28	70	20 g	25 pcs	200 pcs
100-012-890	KK-H110SNI	Aluminium Alloy	Nickel+Clear Coating	108	29	100	28 g	25 pcs	200 pcs
100-012-891	KK-H110SSG	Aluminium Alloy	Satin Gold+Clear Coating	108	29	100	28 g	25 pcs	200 pcs
100-012-892	KK-H110SBR	Aluminium Alloy	Brown+Clear Coating	108	29	100	28 g	25 pcs	200 pcs
100-029-088	KK-H110BL	Aluminium Alloy	Paint/Black	108	29	100	28 g	25 pcs	200 pcs
100-012-893	KK-H130SNI	Aluminium Alloy	Nickel+Clear Coating	128	30	120	37 g	25 pcs	200 pcs
100-012-894	KK-H130SSG	Aluminium Alloy	Satin Gold+Clear Coating	128	30	120	37 g	25 pcs	200 pcs
100-012-895	KK-H130SBR	Aluminium Alloy	Brown+Clear Coating	128	30	120	37 g	25 pcs	200 pcs
100-029-089	KK-H130BL	Aluminium Alloy	Paint/Black	128	30	120	37 g	25 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 DESIGN HANDLE ALH

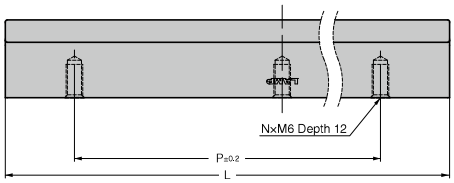
Latest Info

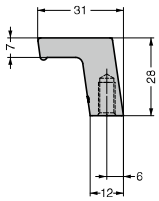




- Stylish in form and function.
- Design innovations include anti-slip bump along the edges and angled surface to prevent dust accumulation.

Concept





Item Code	Item Name	Material	Finish	L	P	N	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-037-006	ALH-50SL	Aluminium Alloy	Matte Silver Anodized	50	30	2	500	51	58	10	120
100-037-007	ALH-50BL		Matte Black Anodized							10	120
100-037-008	ALH-50ST		Satin and Stainless Steel Anodized							10	120
100-037-009	ALH-100SL		Matte Silver Anodized	100	60				118	10	80
100-037-010	ALH-100BL		Matte Black Anodized							10	80
100-037-011	ALH-100ST		Satin and Stainless Steel Anodized							10	80
100-037-012	ALH-150SL		Matte Silver Anodized	150	100				178	10	40
100-037-013	ALH-150BL		Matte Black Anodized							10	40
100-037-014	ALH-150ST		Satin and Stainless Steel Anodized							10	40
100-037-015	ALH-200SL		Matte Silver Anodized	200	75	3			237	6	36
100-037-016	ALH-200BL		Matte Black Anodized							6	36
100-037-017	ALH-200ST		Satin and Stainless Steel Anodized							6	36
100-037-018	ALH-1000SL		Matte Silver Anodized	1000	150	7			1191	6	12
100-037-019	ALH-1000BL		Matte Black Anodized							6	12
100-037-020	ALH-1000ST		Satin and Stainless Steel Anodized							6	12

LAMP EXTRUDED ALUMINIUM HANDLE HA-NE NEW

Latest Info

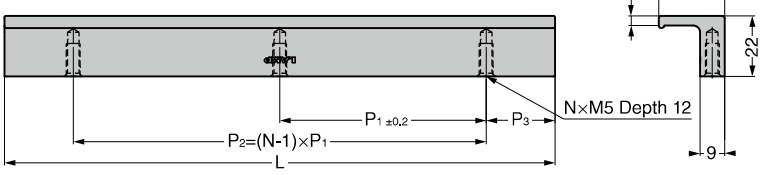


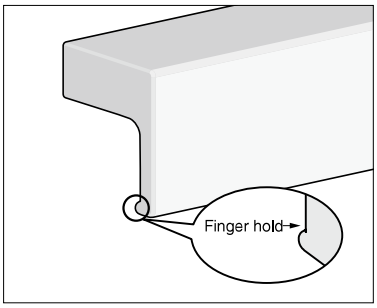
- Has anti-slip bump along the edges.
- ALH (P.1053) is also available for total design coordination with this product.

TEST METHOD 20

Parts Included

- Countersunk truss head screw M5×30 (stainless steel)





Item Code	Item Name	Material	Finish	Colour	L	P1	P2	P3	N	Load Capacity N	Load Capacity kgf	Weight (g)
100-049-649	HA-NE-100SL	Aluminium Alloy	Anodized	Silver	100	60	60	20	2	200	20	67
100-049-650	HA-NE-100BL			Black								
100-049-651	HA-NE-100ST			Satin and Stainless Steel								
100-049-652	HA-NE-200SL			Silver	200	75	150	25	3	300	31	134
100-049-653	HA-NE-200BL			Black								
100-049-654	HA-NE-200ST			Satin and Stainless Steel								

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 EXTRUDED ALUMINIUM HANDLE HA-SQS NEW

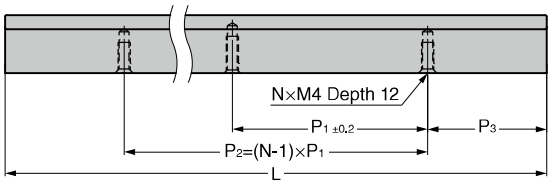
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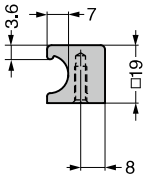


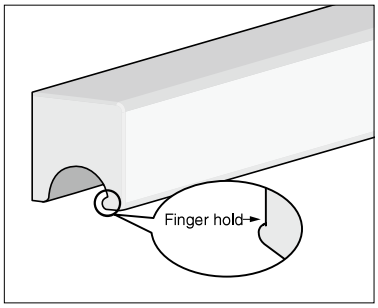
- Has anti-slip bump along the edges.
- HA-SQB (P.1054) is also available for total design coordination with this product.

TEST METHOD 20

Parts Included
- Countersunk truss head screw M4×30 (stainless steel)







Item Code	Item Name	Material	Finish	Colour	L	P1	P2	P3	N	Load Capacity N	Load Capacity kgf	Weight (g)
100-049-483	HA-SQS-180SL	Aluminium Alloy	Anodized	Silver	180	64	128	26	3	300	31	134
100-049-484	HA-SQS-180BL			Black								
100-049-485	HA-SQS-180ST			Satin and Stainless Steel								
100-049-486	HA-SQS-270SL			Silver	270		192	39	4			202
100-049-487	HA-SQS-270BL			Black								
100-049-488	HA-SQS-270ST			Satin and Stainless Steel								

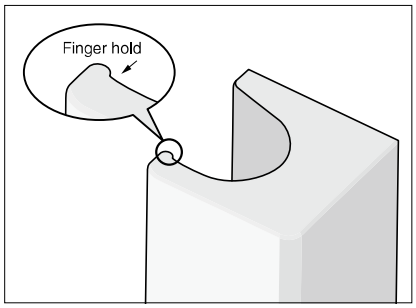
LAMP EXTRUDED ALUMINIUM HANDLE HA-SQB NEW

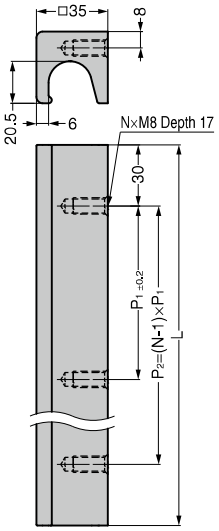
Latest Info



- Has anti-slip bump along the edges.
- HA-SQS (P.1054) is also available for total design coordination with this product.

TEST METHOD 20



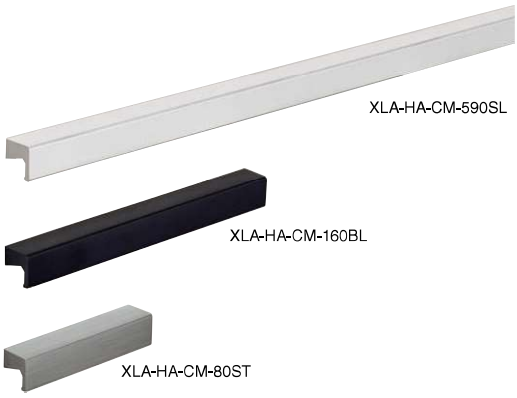


Item Code	Item Name	Material	Finish	Colour	L	P1	P2	N	Load Capacity N	Load Capacity kgf	Weight (g)
100-049-744	HA-SQB-400SL	Aluminium Alloy	Anodized	Silver	400	85	340	5	400	41	877
100-049-745	HA-SQB-400BL			Black							
100-049-746	HA-SQB-600SL			Silver	600	135	540				1320
100-049-747	HA-SQB-600BL			Black							
100-049-748	HA-SQB-800SL			Silver	800	185	740				1770
100-049-749	HA-SQB-800BL			Black							

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. EXTRUDED ALUMINIUM HANDLE XLA-HA-CM NEW

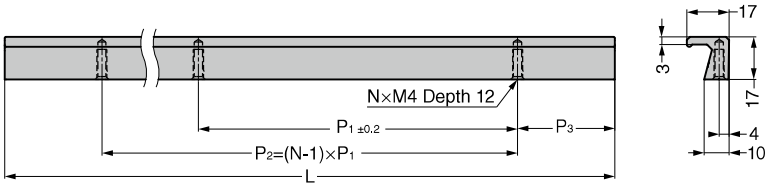
Latest Info

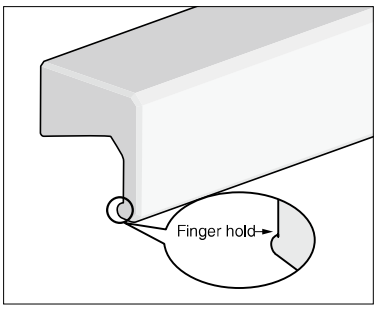


- A handle with a sharp chamfered shape.
- Has anti-slip bump along the edges.

TEST METHOD 20

Parts Included
- Countersunk truss head screw M4×30 (stainless steel)

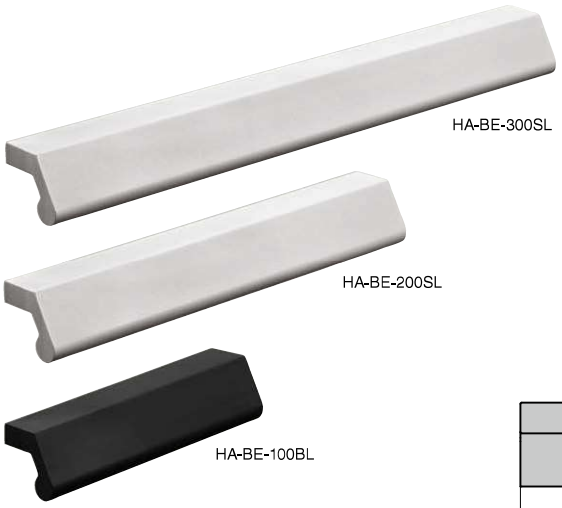




Item Code	Item Name	Material	Finish	Colour	L	P1	P2	P3	N	Load Capacity N	Load Capacity kgf	Weight (g)
100-049-691	XLA-HA-CM-80SL	Aluminium Alloy	Anodized	Silver	80	64	64	8	2	200	20	35
100-049-692	XLA-HA-CM-80BL			Black								
100-049-693	XLA-HA-CM-80ST			Satin and Stainless Steel								
100-049-694	XLA-HA-CM-160SL			Silver	160	96	96	32				70
100-049-695	XLA-HA-CM-160BL			Black								
100-049-696	XLA-HA-CM-160ST			Satin and Stainless Steel								
100-049-697	XLA-HA-CM-590SL			Silver	590	128	512	37	5			260
100-049-698	XLA-HA-CM-590BL			Black								
100-049-699	XLA-HA-CM-590ST			Satin and Stainless Steel								

LAMP. EXTRUDED ALUMINIUM HANDLE HA-BE NEW

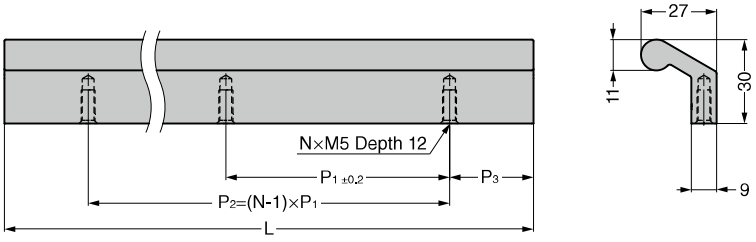
Latest Info



- A tilted handle for easy grasping.
- The grip shape applies minimal load to fingers.

TEST METHOD 20

Parts Included
- Countersunk truss head screw M5×30 (stainless steel)



Item Code	Item Name	Material	Finish	Colour	L	P1	P2	P3	N	Load Capacity N	Load Capacity kgf	Weight (g)
100-049-732	HA-BE-100SL	Aluminium Alloy	Anodized	Silver	100	60	60	20	2	200	20	89
100-049-733	HA-BE-100BL			Black								
100-049-734	HA-BE-200SL			Silver	200	75	150	25	3	300	31	179
100-049-735	HA-BE-200BL			Black								
100-049-736	HA-BE-300SL			Silver	300	80	240	30	4			268
100-049-737	HA-BE-300BL			Black								

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. EXTRUDED ALUMINIUM HANDLE HA-FR NEW

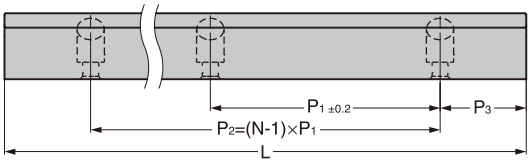
Latest Info

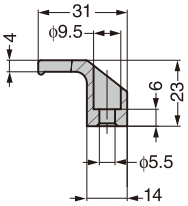


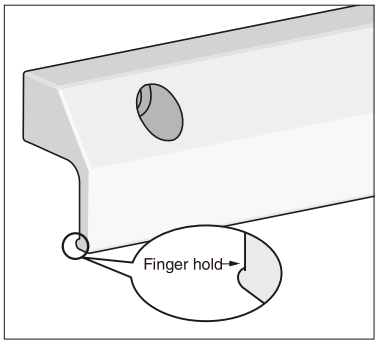
- A front-screw handle where screws remain inconspicuous.
- Has anti-slip bump along the edges.

TEST METHOD 20

Recommended Screws
- Hex socket bolts M5 or cross-recessed pan head screws M5



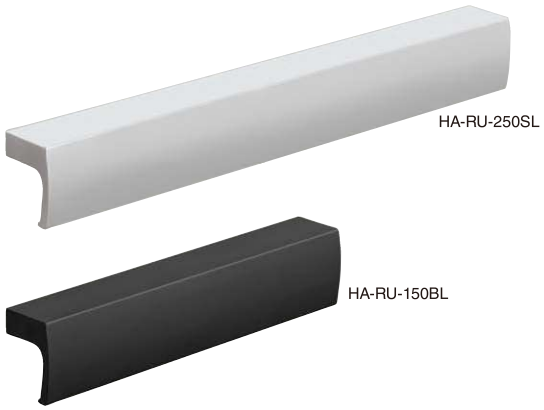




Item Code	Item Name	Material	Finish	Colour	L	P1	P2	P3	N	Load Capacity N	Load Capacity kgf	Weight (g)
100-049-738	HA-FR-100SL	Aluminium Alloy	Anodized	Silver	100	60	60	20	2	300	31	80
100-049-739	HA-FR-100BL			Black								
100-049-740	HA-FR-200SL			Silver	200	75	150	25	3			163
100-049-741	HA-FR-200BL			Black								
100-049-742	HA-FR-300SL			Silver	300	80	240	30	4			246
100-049-743	HA-FR-300BL			Black								

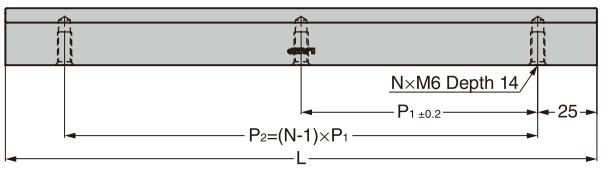
LAMP. EXTRUDED ALUMINIUM HANDLE HA-RU NEW

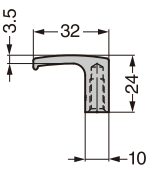
Latest Info

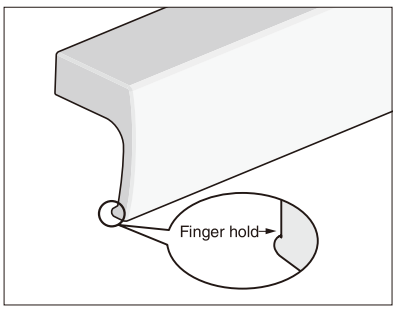


- A handle shaped of soft and gentle curves.
- Has anti-slip bump along the edges.

TEST METHOD 20







Item Code	Item Name	Material	Finish	Colour	L	P1	P2	N	Load Capacity N	Load Capacity kgf	Weight (g)
100-049-496	HA-RU-150SL	Aluminium Alloy	Anodized	Silver	150	100	100	2	300	31	126
100-049-497	HA-RU-150BL			Black							
100-049-498	HA-RU-250SL			Silver	250		200	3			210
100-049-499	HA-RU-250BL			Black							

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 DESIGN DOOR HANDLE MDH

Latest Info



- Made from the combination of brackets and a pipe. Numerous combinations are possible.
- There are two types of brackets, both a straight type and an offset type.
- The pipe comes in the choice of two materials: stainless steel or carbon fiber reinforced polymer (CFRP).
- There are 5 different lengths available but the pipes can also be adjusted to different lengths by cutting.
- The CFRP pipe has been specially treated to prevent color change from UV rays.
- CFRP is used frequently in the airline industry due to its strength and lightweight. It can also help reduce the weight placed on frames. CFRP has a delicate mesh like appearance, providing a feeling of luxury.
- Also possible to purchase pieces of pipe without the bracket.

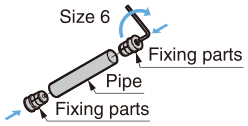
INSTRUCTION SUS

Remarks

- Brackets and pipes have separate item numbers. Please order together by indicating each specification.
- Bracket is sold in pairs.

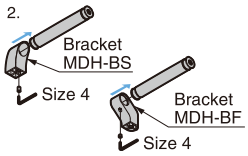
How to Install

1. Appropriate screw tightening torque: 12.5 N·m (127 kgf·cm)



Insert the fixing parts (attached to the bracket) into both ends of the pipe until their flanges contact the pipe ends, and then tighten the screws with a hex key size 6 (not included).

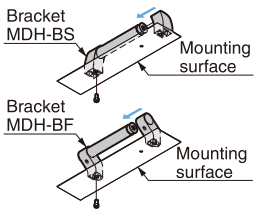
2.



Appropriate set screw tightening torque: 12.5 N·m (127 kgf·cm)
※Please use screw adhesive.

Insert one bracket into the pipe, and tighten the set screws (attached to the bracket) with a hex key size 4 (not included).

3.



Install one bracket to the mounting surface with M8 screws (not included).Install the other bracket in the same procedure after being preliminarily assembled.

Bracket



MDH-BS
(Straight type)



MDH-BF
(Offset type)

Fixing Parts

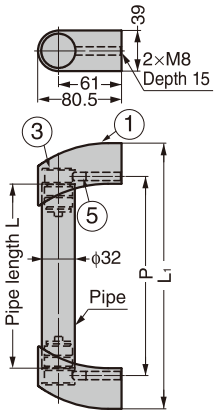
Attached to the bracket



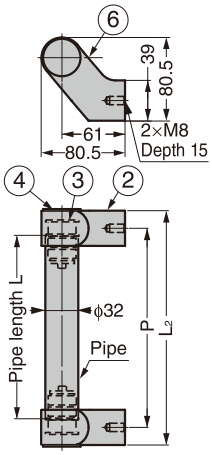


Installation of Bracket and Pipe

Bracket MDH-BS
(Straight type)



Bracket MDH-BF
(Offset type)



Concept

Bracket

Item Code	Item Name	Type	Parts	Weight (g)	Box (sets)	Carton (sets)
100-022-158	MDH-BS	Straight	①③⑤ (Each 2 pcs)	1010	1	1
100-022-159	MDH-BF	Offset	②③④⑥ (Each 2 pcs)	1122	1	1

No.	Part Name	Material	Finish/Colour
①	Bracket (Straight)	Zinc Alloy (ZDC)	Matte Chrome
②	Bracket (Offset)		
③	Fixing Parts		Plain
④	Cover	POM	Black
⑤	Hexagon Socket Set Screw M8×15	Stainless Steel	Plain
⑥	Hexagon Socket Set Screw M8×8		

Pipe

Item Code	Item Name	Material	Finish	Pipe Length L	L_1	L_2	P	Pipe Thickness	Load capacity N	Load capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-022-161	MDH-PS192	Stainless Steel (SUS304)	Satin	177	256	226	192	2	490	50	384	1	10
100-022-162	MDH-PS350			335	414	384	350				727	1	10
100-022-163	MDH-PS500			485	564	534	500				1050	1	10
100-022-164	MDH-PS800			785	864	834	800				1700	1	10
100-022-165	MDH-PS1200			1185	1264	1234	1200				2570	1	10
100-022-166	MDH-PC192	Carbon Fiber Reinforced Polymer (CFRP)	Paint/ Clear	177	256	226	192	2.5			70	1	1
100-022-167	MDH-PC350			335	414	384	350				132	1	1
100-022-168	MDH-PC500			485	564	534	500				191	1	1
100-022-169	MDH-PC800			785	864	834	800				309	1	1
100-022-170	MDH-PC1200			1185	1264	1234	1200				467	1	1

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.

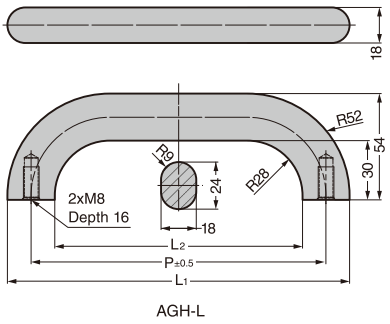
LAMP DESIGN HANDLE AGH-L/AGH-T STRAIGHT TYPE

Latest Info

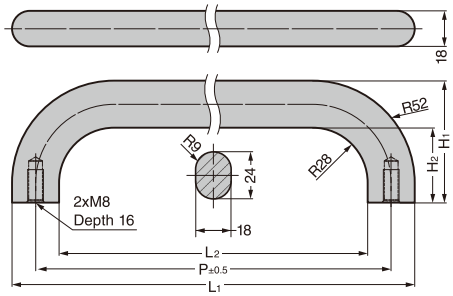


- Elliptical profile combines minimalist look with maximum grip.
- Available in different heights.

TEST METHOD 1

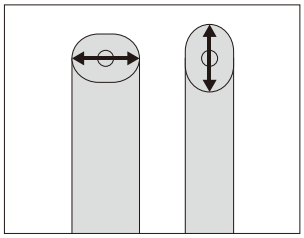


AGH-L



AGH-T





Standard handle (flat ellipse) | This product (tall ellipse)

Concept

Item Code	Item Name	Material	Finish	L_1	L_2	P	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-036-962	AGH-L150SL	Aluminium Alloy	Matte Silver/Anodized	174	126	150	350	36	191	5	40
100-036-963	AGH-L150BL		Matte Black/Anodized							5	40
100-036-964	AGH-L200SL		Matte Silver/Anodized	224	176	200			240	5	40
100-036-965	AGH-L200BL		Matte Black/Anodized							5	40
100-036-966	AGH-L350SL		Matte Silver/Anodized	374	326	350			387	5	20
100-036-967	AGH-L350BL		Matte Black/Anodized							5	20
100-036-968	AGH-L500SL		Matte Silver/Anodized	524	476	500			536	5	20
100-036-969	AGH-L500BL		Matte Black/Anodized							5	20

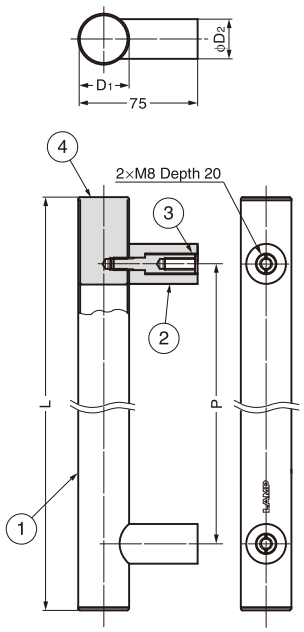
Item Code	Item Name	Material	Finish	L_1	L_2	H_1	H_2	P	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-052-867	AGH-T200SL	Aluminium Alloy	Matte Silver/Anodized	224	176	101	77	200	350	36	332	5	40
100-052-868	AGH-T200BL		Matte Black/Anodized										
100-036-958	AGH-T350SL		Matte Silver/Anodized	374	326	62	38	350			402	5	20
100-036-959	AGH-T350BL		Matte Black/Anodized									5	20
100-036-960	AGH-T500SL		Matte Silver/Anodized	524	476	64	40	500			553	5	20
100-036-961	AGH-T500BL		Matte Black/Anodized									5	20

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 DOOR HANDLE SSH

Latest Info





- Simple design made from Stainless Steel.
- Possible to customize the length. For questions about lot size and options, please contact us.

SUS

Recommended Screw
- M8

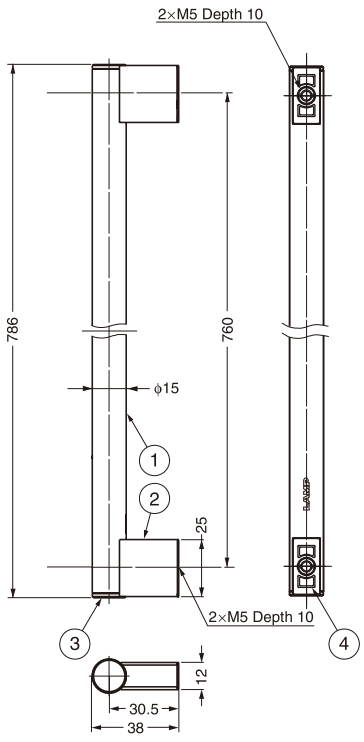
No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Stem	Stainless Steel (SUS304)	Satin
③	Screw	Stainless Steel (SUS304)	Satin
④	Cover	Stainless Steel (SUS304)	Satin

Item Code	Item Name	L	P	D_1	D_2	Weight	Carton
100-181-413	SSH-2540	400	316	25	19	665 g	10 pcs
100-181-414	SSH-2560	600	516	25	19	750 g	10 pcs
100-181-415	SSH-2580	800	716	25	19	840 g	10 pcs
100-049-978	SSH-25115	1150	1066	25	19	1210 g	5 pcs
100-181-416	SSH-3240	400	316	32	25	1175 g	5 pcs
100-181-417	SSH-3260	600	516	32	25	1290 g	5 pcs
100-181-418	SSH-3280	800	716	32	25	1400 g	5 pcs

LAMP STAINLESS STEEL DOOR HANDLE RH-760

Latest Info





- Reduced profile handle with a simple design made from Stainless Steel.
- Possible to customize the length. For questions about lot size and options, please contact us.

SUS

Recommended Screw
- M5 screw

No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS304)	Satin
②	Stem	Stainless Steel (SUS304)	Satin
③	End Cap	Stainless Steel (SUS303)	Satin
④	Spacer	Polypropylene (PP)	Plain

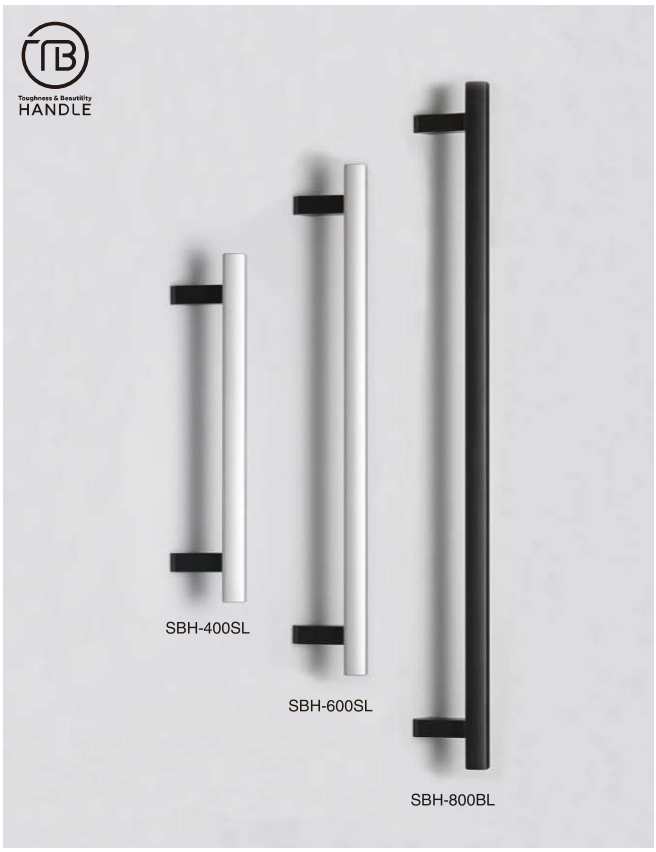
Item Code	Item Name	Weight	Box
100-010-341	RH-760	340 g	20 pcs

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. DESIGN HANDLE SBH OFFSET TYPE

Latest Info

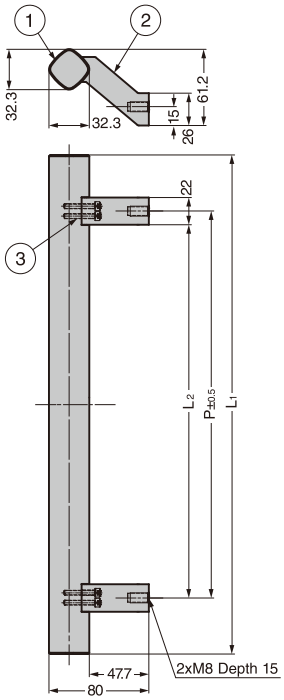
SELECTION GUIDE
HANDLES
PULLS
RECESSED PULLS
HATCH PULLS
TRUNK HANDLES
KNOBS
DOOR HANDLES & KNOBS
BACK SCREW MOUNT
FRONT SCREW MOUNT





- A firm feeling similar to gripping wood.
- Ergonomically designed handle fits naturally to regular grip.
- When seen from the front, the handle appears to be floating.

Concept



No.	Part Name	Material	Finish
①	Bar	Aluminium Alloy	Matte Silver/Anodized (SL) Matte Black/Anodized (BL)
②	Bracket	Zinc Alloy (ZDC)	Paint/Black
③	Hexagon Socket Head Bolt M4x25	Stainless steel	–

Item Code	Item Name	Finish	L_1	L_2	P	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-036-952	SBH-400SL	Matte Silver/Anodized	400	288	310	500	51	1079	1	6
100-036-953	SBH-400BL	Matte Black/Anodized							1	6
100-036-954	SBH-600SL	Matte Silver/Anodized	600	488	510			1456	1	6
100-036-955	SBH-600BL	Matte Black/Anodized							1	6
100-036-956	SBH-800SL	Matte Silver/Anodized	800	688	710			1833	1	6
100-036-957	SBH-800BL	Matte Black/Anodized							1	6

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 DESIGN HANDLE TBH STRAIGHT TYPE

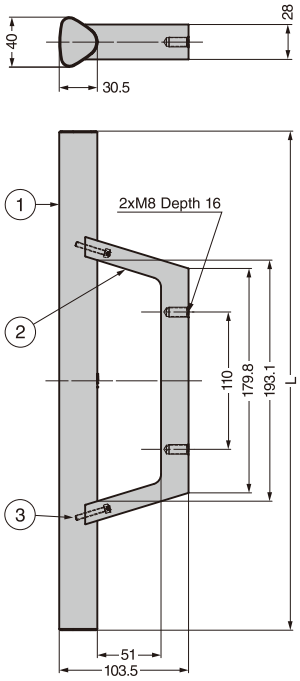
Latest Info



- Unique design type creates the firm feeling of gripping wood.
- Consists of a triangular bar and a bracket in the centre.

Concept





No.	Part Name	Material	Finish
①	Bar	Aluminium Alloy	Matte Silver/Anodized (SL) Matte Black/Anodized (BL)
②	Bracket	Zinc Alloy (ZDC)	Paint/Black
③	Hexagon Socket Head Bolt M4x35	Stainless steel	–

Item Code	Item Name	Bar / Finish	L	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-036-948	TBH-400SL	Matte Silver/Anodized	400	500	51	1877	1	5
100-036-949	TBH-400BL	Matte Black/Anodized					1	5
100-036-950	TBH-600SL	Matte Silver/Anodized	600			2363	1	5
100-036-951	TBH-600BL	Matte Black/Anodized					1	5

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 DESIGN HANDLE MSH STRAIGHT TYPE

Latest Info

SELECTION GUIDE
HANDLES
PULLS
RECESSED PULLS
HATCH PULLS
TRUNK HANDLES
KNOBS
DOOR HANDLES & KNOBS
BACK SCREW MOUNT
FRONT SCREW MOUNT

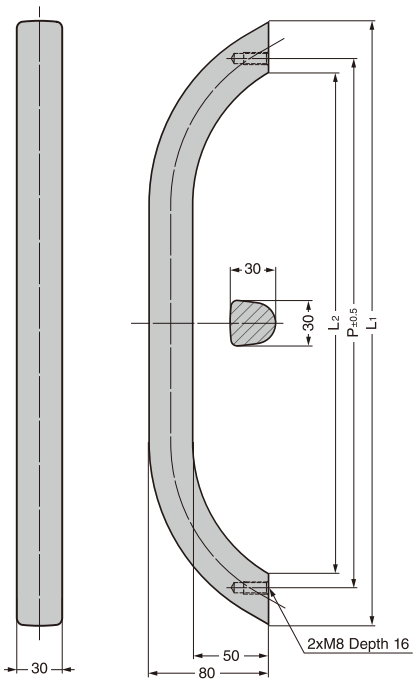






- Flat surface creates a refined impression.
- A beautifully simple design with weight and size that provides a firm and comfortable grip.

Concept



Item Code	Item Name	Material	Finish	L1	L2	P	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-036-942	MSH-350SL	Aluminium Alloy	Matte Silver/Anodized	400	330.7	350	500	51	850	5	–
100-036-943	MSH-350BL		Matte Black/Anodized							5	–
100-036-944	MSH-550SL		Matte Silver/Anodized	600	530.7	550			1256	5	–
100-036-945	MSH-550BL		Matte Black/Anodized							5	–
100-036-946	MSH-750SL		Matte Silver/Anodized	800	730.7	750			1663	5	–
100-036-947	MSH-750BL		Matte Black/Anodized							5	–

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. DESIGN HANDLE AGH-F OFFSET TYPE

Latest Info

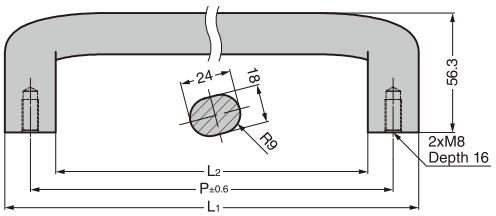


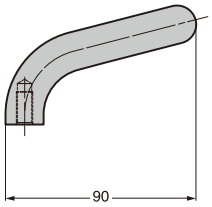


- Handles that are delightful to hold.

TEST METHOD 1

Concept





Item Code	Item Name	Material	Finish	L1	L2	P	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-036-970	AGH-F300SL	Aluminium Alloy	Matte Silver/Anodized	324	276	300	500	51	443	6	24
100-036-971	AGH-F300BL		Matte Black/Anodized							6	24
100-036-972	AGH-F400SL		Matte Silver/Anodized	424	376	400			540	6	18
100-036-973	AGH-F400BL		Matte Black/Anodized							6	18

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.

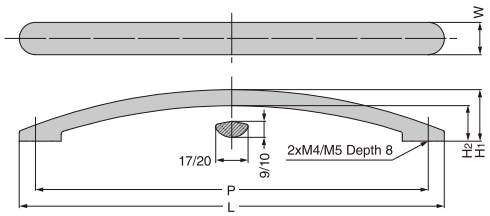
LAMP. DESIGN HANDLE SYH

Latest Info



- A flowing handle with a feature line down the centre.
- Aluminium material and streamline shape create a soft impression. Low profile design ensures that the handle will not noticeably protrude.
- With anti-bacterial coating to reduce risk of infection.

TEST METHOD 1 | ANTIBACTERIAL



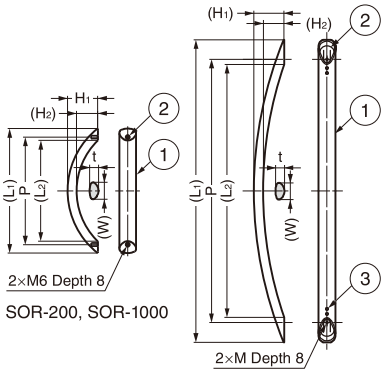
Concept

Item Code	Item Name	Material	Finish	L	P	H_1	H_2	W	M	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-037-002	SYH-128SL-M4	Aluminium Alloy	Antibacterial Paint/Silver	165	128	30	21	17	M4	500	51	53	10	80
100-037-003	SYH-128SL-M5								M5				10	80
100-037-004	SYH-224SL-M4			264	224	32	22	20	M4			105	10	80
100-037-005	SYH-224SL-M5								M5				10	80
100-043-685	SYH-128BL-M4		Antibacterial Paint/Black	165	128	30	21	17	M4			53	10	80
100-043-686	SYH-128BL-M5								M5				10	80
100-043-687	SYH-224BL-M4			264	224	32	22	20	M4			105	10	80
100-043-688	SYH-224BL-M5								M5				10	80

LAMP. ALUMINIUM DOOR HANDLE SOR

Latest Info





SOR-400, SOR-600, SOR-800

- Flowing curves that adapt gracefully to any surface.
- Other handle sizes are available. Please contact us for lot size and prices.

Recommended Screw
- M6, M8

Concept

No.	Part Name	Material
①	Body	Aluminium Alloy
②	Insert	Stainless Steel (SCS13)
③	Screw	Stainless Steel

Item Code	Item Name	Finish	L_1	L_2	P	H_1	H_2	W	t	M	Load capacity N	Load capacity kgf	Weight	Box
100-028-297	SOR-200S	Stainless Steel/Anodized	222	180	192	54	38	30	16	M6	490	50	228 g	10 pcs
100-028-298	SOR-200BL	Black/Anodized	222	180	192	54	38	30	16	M6	490	50	228 g	10 pcs
100-010-961	SOR-400S	Stainless Steel/Anodized	392	323	335	60	42	34	18	M6	490	50	385 g	30 pcs
100-010-963	SOR-400BL	Black/Anodized	392	323	335	60	42	34	18	M6	490	50	385 g	30 pcs
100-010-962	SOR-600S	Stainless Steel/Anodized	604	502	522	60	42	34	18	M6	490	50	495 g	20 pcs
100-010-964	SOR-600BL	Black/Anodized	604	502	522	60	42	34	18	M6	490	50	495 g	20 pcs
100-010-960	SOR-800S	Stainless Steel/Anodized	823	686	710	60	42	34	18	M8	490	50	605 g	15 pcs
100-010-965	SOR-800BL	Black/Anodized	823	686	710	60	42	34	18	M8	490	50	605 g	15 pcs
100-028-299	SOR-1000S	Stainless Steel/Anodized	1090	939.8	975	80	59.8	38	20.2	M8	490	50	1647 g	4 pcs
100-028-300	SOR-1000BL	Black/Anodized	1090	939.8	975	80	59.8	38	20.2	M8	490	50	1647 g	4 pcs

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LAMP ALUMINIUM DOOR HANDLE SRH Antibacterial Type NEW

Latest Info

Toughness & Beautility HANDLE



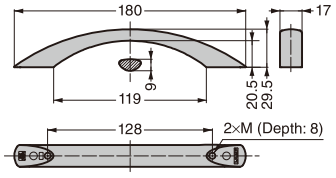
SRH-128SL SRH-224SL SRH-330SL SRH-330BL

- Sleek handle with flowing curve design.
- Designed to protrude only a small amount.
- Has anti-bacterial coating.

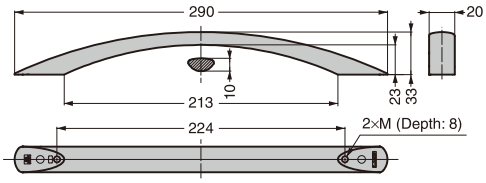
ANTIBACTERIAL

Applications

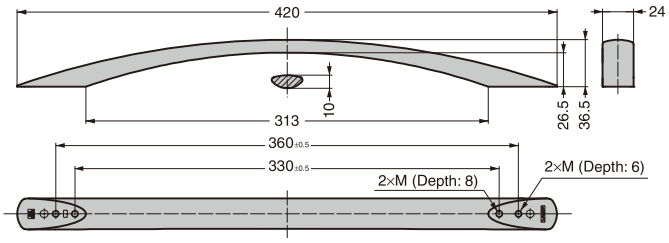
- Medical and diagnostic equipment.



SRH-128



SRH-224



SRH-330

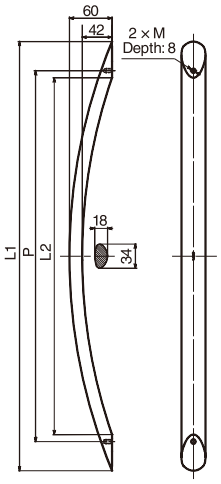
Item Code	Item Name	Material	Finish/Colour	M	Load Capacity		Weight (g)	Box (pcs)	Carton (pcs)
					N	kgf			
100-044-288	SRH-128SL-M4	Aluminium Alloy (ADC)	Silver Enamel Finish	4	500	51	68	10	80
100-044-289	SRH-128SL-M5			5				10	80
100-044-290	SRH-128BL-M4		Matt Black Enamel Finish	4				10	80
100-044-291	SRH-128BL-M5			5				10	80
100-044-292	SRH-224SL-M4		Silver Enamel Finish	4			130	10	80
100-044-293	SRH-224SL-M5			5				10	80
100-044-294	SRH-224BL-M4		Matt Black Enamel Finish	4				10	80
100-044-295	SRH-224BL-M5			5				10	80
100-044-296	SRH-330SL-M4		Silver Enamel Finish	4	400	41	233	10	40
100-044-297	SRH-330SL-M5			5				10	40
100-044-298	SRH-330BL-M4		Matt Black Enamel Finish	4				10	40
100-044-299	SRH-330BL-M5			5				10	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. ALUMINIUM DOOR HANDLE ASH NEW

Latest Info





Remarks
- Designed for single-sided mount. (Not available with double-sided mount)

Recommended Screw
- M6 screw, M8 screw

3 Finishes



Item Code	Item Name	Material	Finish/Colour	L_1	L_2	P	M	Load Capacity		Weight (g)	Box (psc)
								N	kgf		
100-042-506	ASH-400SL	Aluminium Alloy	Satin and Silver/Anodized	391.9	323	335	M6	500	51	482	10
100-042-507	ASH-400BL		Satin and Black/Anodized								10
100-042-508	ASH-400ST		Satin and Stainless Steel/Anodized								10
100-042-509	ASH-600SL		Satin and Silver/Anodized	604	502	522				725	10
100-042-510	ASH-600BL		Satin and Black/Anodized								10
100-042-511	ASH-600ST		Satin and Stainless Steel/Anodized								10
100-042-512	ASH-800SL		Satin and Silver/Anodized	822.7	686	710	M8			978	5
100-042-513	ASH-800BL		Satin and Black/Anodized								5
100-042-514	ASH-800ST		Satin and Stainless Steel/Anodized								5

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 MACHINERY HANDLE MMH NEW

Latest Info



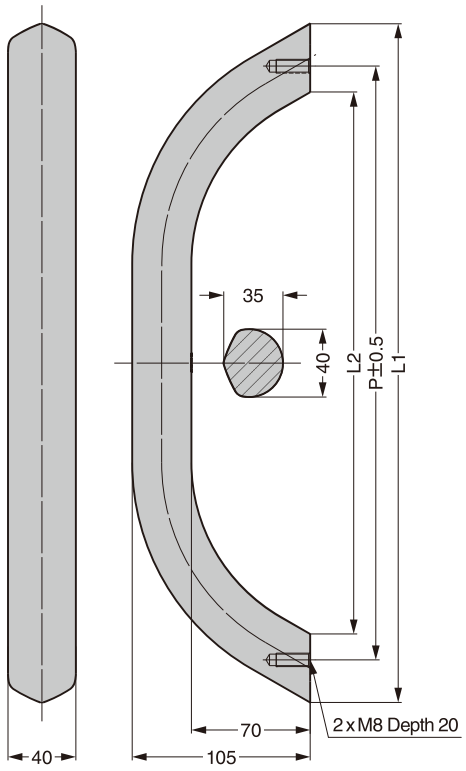


- Cross-section is thicker than the MSH (P.1062), which makes this handle suitable for use in large machine tools.
- Ideal for inset sliding doors. The handle is designed to be higher than common handles, which prevents hands from accidentally hitting the doorframe when sliding.
- Back side of the handle is large and round, which prevents hands from hurting even when grasping tightly.
- Harmonious design. The handle has a centreline helping it harmonise with machine tools with chamfered edges.

Remarks

- Load capacity represents the strength of the pull itself. Actual load capacity may vary depending on wall and cabinet materials. Please install the pull at places with sufficient strength or in places that are reinforced.
- Surface colour of installation side may discolour. This does not affect the performance.

Concept



Item Code	Item Name	Material	Finish	L_1	L_2	P	Load Capacity		Weight (g)	Box (pc)
							N	kgf		
100-043-781	MMH-350SL	Aluminium Alloy	Matte Silver/Anodized	400	319.5	350	1000	102	1250	1
100-043-782	MMH-350BL		Matte Black/Anodized							1
100-043-783	MMH-550SL		Matte Silver/Anodized	600	519.5	550			1830	1
100-043-784	MMH-550BL		Matte Black/Anodized							1
100-043-785	MMH-750SL		Matte Silver/Anodized	800	719.5	750			2400	1
100-043-786	MMH-750BL		Matte Black/Anodized							1

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 MACHINERY HANDLE MGH NEW

Latest Info



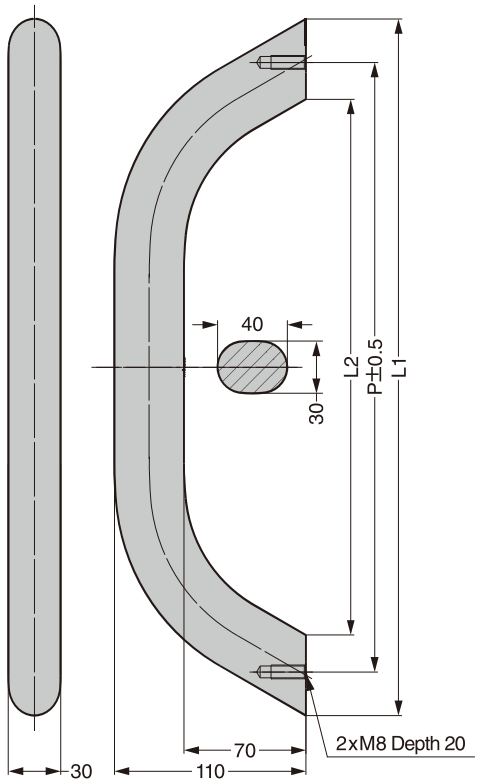


- Cross-section is thicker than the AGH (P.1058), which makes this handle suitable for use in large machine tools.
- Ideal for inset sliding doors. The handle is designed to be higher than common handles, which prevents hands from accidentally hitting the doorframe when sliding.
- Back side of the handle is large and round, which prevents hands from hurting even when grasping tightly.
- Easy-to-use design. The ellipse cross-section allows it to comfortably fit a human hand.

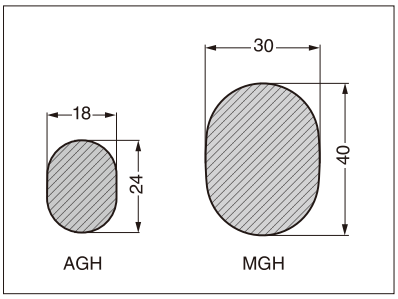
Remarks

- Load capacity represents the strength of the pull itself. Actual load capacity may vary depending on wall and cabinet materials. Please install the pull at places with sufficient strength or in places that are reinforced.
- Surface colour of installation side may discolour. This does not affect the performance.

Concept



Cross-section



Can be used with the AGH (P.1058) for design harmonisation.

Item Code	Item Name	Material	Finish	L_1	L_2	P	Load Capacity		Weight (g)	Box (pc)
							N	kgf		
100-043-775	MGH-350SL	Aluminium Alloy	Matte Silver/Anodized	400	308	350	1000	102	1170	1
100-043-776	MGH-350BL		Matte Black/Anodized							1
100-043-777	MGH-550SL		Matte Silver/Anodized	600	508	550			1710	1
100-043-778	MGH-550BL		Matte Black/Anodized							1
100-043-779	MGH-750SL		Matte Silver/Anodized	800	708	750			2250	1
100-043-780	MGH-750BL		Matte Black/Anodized							1

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 DOOR HANDLE SLH NEW

Latest Info

Toughness & Beautility HANDLE

- All parts are made of stainless steel for high corrosion resistance.
- Has smooth streamlined shape and premium satin finish.
- Ergonomically designed. It is easy to hold any part of the handle.

SUS

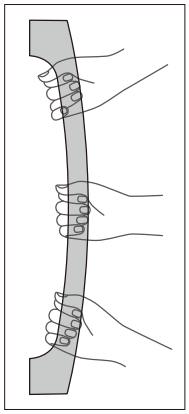


SLH-3240SH

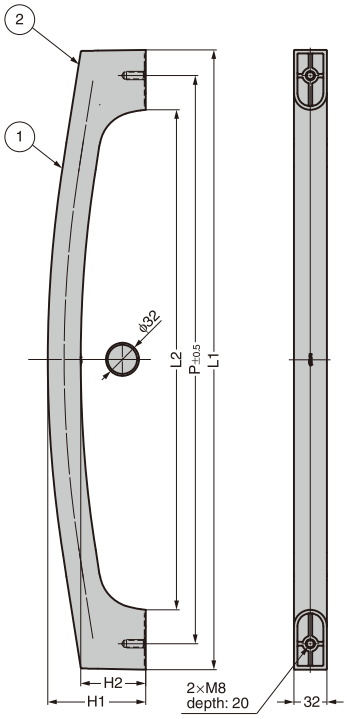
SLH-3260SH

SLH-3280SH

Ergonomic Design



Easy to hold any part of the handle.



Premium Satin Finish



No.	Part Name	Material
①	Pipe	Stainless Steel (SUS304)
②	Bracket	Stainless Steel (SCS13)

Item Code	Item Name	Finish	L_1	L_2	P	H_1	H_2	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pc)
100-045-419	SLH-3240SH	Satin	400	284	350	87	55	600	61	2030	1
100-045-420	SLH-3260SH		600	484	550	95	63			2290	1
100-045-421	SLH-3280SH		800	684	750	102	70			2560	1

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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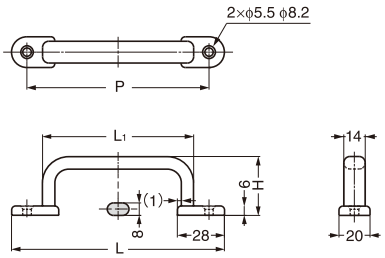
LAMP. STAINLESS STEEL HANDLE EC-Y

Latest Info



SUS SCREW

Parts Included
- Raised countersunk head tapping screw 4×20 (SUS)



Item Code	Item Name	Material	Finish	L	L1	H	P	Weight	Box
100-012-831	EC-Y-140	Stainless Steel (SUS303)	Mirror	138	100	38	120	142 g	5 pcs
100-012-832	EC-Y-160	Stainless Steel (SUS303)	Mirror	158	120	40	140	160 g	3 pcs
100-012-833	EC-Y-190	Stainless Steel (SUS303)	Mirror	188	150	42	170	185 g	2 pcs

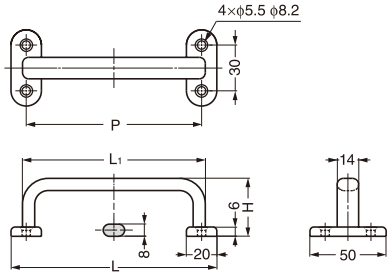
LAMP. STAINLESS STEEL HANDLE EC-H

Latest Info



SUS SCREW

Parts Included
- Raised countersunk head tapping screw 4×20 (SUS)



Item Code	Item Name	Material	Finish	L	L1	H	P	Weight	Box
100-010-056	EC-H-135	Stainless Steel (SUS303)	Mirror	135	120	40	115	220 g	5 pcs
100-010-057	EC-H-165	Stainless Steel (SUS303)	Mirror	165	150	42	145	260 g	3 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 HANDLE 2LC STAINLESS, TITANIUM

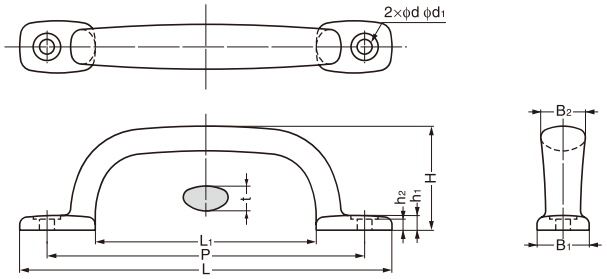
Latest Info



- Wide design for easy gripping
- Available in both titanium (light, strong and corrosion resistant) and SUS316 equivalent (highly corrosion resistant) SCS314
- Titanium rarely causes allergies even in people with metal allergies.
- Due to titanium's non-magnetic properties, can be used even on devices like MRIs Titanium screws also available

SUS316 SCREW

Parts Included (For only stainless handle)
- Pan head tapping screw (SUS)



Item Code	Item Name	Material	Finish	L	L1	P	B1	B2	H	h1	h2	t	d	d1	Included Screws	Recommended Screws	Weight	Box
100-010-355	2LC-80TI	Titanium	Shot Blast	80	32	64	16	14	35	5.5	4	8	5	9.5	–	M4	37 g	30 pcs
100-010-354	2LC-120TI	Titanium	Shot Blast	120	64	96	18	16	36	5.5	4.5	9	5	9.5	–	M4	62 g	20 pcs
100-010-353	2LC-150TI	Titanium	Shot Blast	150	89	128	21	18	42	6	4.5	10	6	11	–	M5	96 g	6 pcs
100-010-131	2LC-80	Stainless Steel (SCS14)	Mirror	80	32	64	16	14	35	5.5	4	8	5	9.5	4×20	M4	70 g	12 pcs
100-010-132	2LC-120	Stainless Steel (SCS14)	Mirror	120	64	96	18	16	36	5.5	4.5	9	5	9.5	4×20	M4	106 g	8 pcs
100-010-133	2LC-150	Stainless Steel (SCS14)	Mirror	150	89	128	21	18	42	6	4.5	10	6	11	5×30	M5	172 g	6 pcs
100-010-134	2LC-180	Stainless Steel (SCS14)	Mirror	180	118	160	23	20	45	6.5	5	10	6	11	5×30	M5	225 g	3 pcs

*SCS14 is equivalent of SUS316.

LAMP STAINLESS STEEL HANDLE 4LC

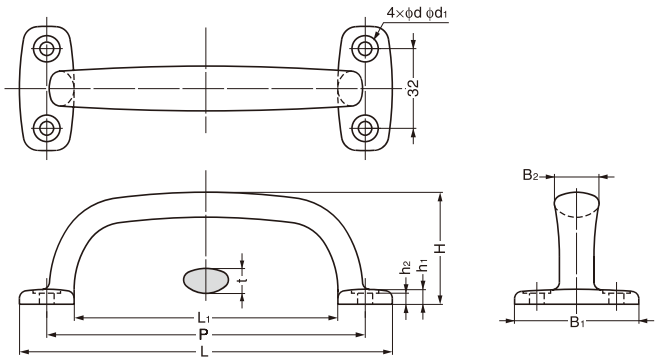
Latest Info



- Titanium handle is available as a special order.

SUS316 SCREW

Parts Included
- Pan head tapping screw (SUS)



Item Code	Item Name	Material	Finish	L	L1	P	B1	B2	H	h1	h2	t	d	d1	Screw	Weight	Box
100-010-135	4LC-82	Stainless Steel (SCS14)	Mirror	82	46	64	48	16	36.5	5.5	4	8	5	9.5	4×20	110 g	8 pcs
100-010-136	4LC-114	Stainless Steel (SCS14)	Mirror	114	78	96	48	16	40	6	4.5	9	5	9.5	4×20	148 g	6 pcs
100-010-137	4LC-150	Stainless Steel (SCS14)	Mirror	150	106	128	50	18	45	6	4.5	10	6	11	5×32	235 g	3 pcs
100-010-138	4LC-180	Stainless Steel (SCS14)	Mirror	180	140	160	50	20	48	6.5	5	10	6	11	5×32	286 g	2 pcs

*SCS14 is equivalent of SUS316.

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 HANDLE US

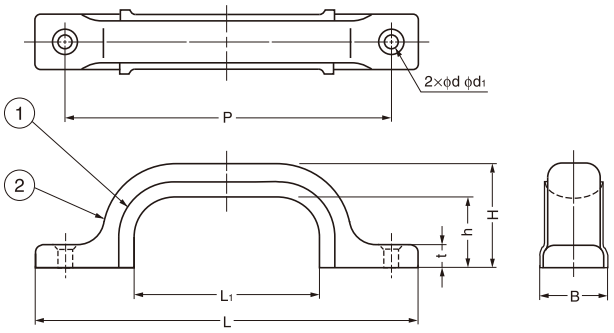
Latest Info



- Rubber grip allows for an easy and comfortable grip.
- Light weight design.

SUS SCREW

Parts Included
- Raised countersunk head wood screw (SUS)



No.	Material	Finish/Colour
①	Elastomer (TPE)	Black
②	Stainless Steel (SUS304)	Mirror and Satin Combination

Item Code	Item Name	Finish	L	L_1	P	B	H	h	t	d	d_1	Screw	Weight	Box	Carton
100-012-243	US-70S	Satin	70	20	54	17	28	21	5.5	3.3	6.6	3.1×16	20 g	20 pcs	200 pcs
100-012-240	US-70M	Mirror	70	20	54	17	28	21	5.5	3.3	6.6	3.1×16	20 g	20 pcs	200 pcs
100-012-244	US-120S	Satin	120	57	102	19	32	21	6.5	3.8	7.6	3.5×20	45 g	20 pcs	200 pcs
100-012-241	US-120M	Mirror	120	57	102	19	32	21	6.5	3.8	7.6	3.5×20	45 g	20 pcs	200 pcs
100-012-245	US-160S	Satin	160	88	140	22	37.5	23	7.5	4.1	8.1	4.1×25	70 g	10 pcs	100 pcs
100-012-242	US-160M	Mirror	160	88	140	22	37.5	23	7.5	4.1	8.1	4.1×25	70 g	10 pcs	100 pcs

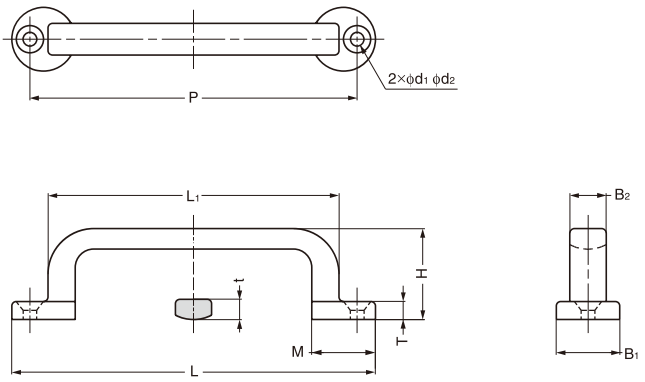
LAMP. STAINLESS STEEL HANDLE FT-65, FT-80, FT-100

Latest Info



SUS SCREW

Parts Included
- Raised countersunk head wood screw (SUS)



Item Code	Item Name	Material	Finish	L	L_1	B_1	B_2	H	T	t	M	P	d_1	d_2	Screw	Weight	Box	Carton
100-012-847	FT-65	Stainless Steel (SCS13)	Mirror	65	47	13	7	16	3.5	4	13	57	3.3	6.4	3.1×16	19 g	40 pcs	480 pcs
100-012-848	FT-80	Stainless Steel (SCS13)	Mirror	80	61	14	8	20	4	4.5	14	72	3.3	6.4	3.1×16	32 g	30 pcs	360 pcs
100-012-849	FT-100	Stainless Steel (SCS13)	Mirror	100	75	18	10	25	5	5.5	18	88	4.1	8	3.8×20	58 g	20 pcs	240 pcs

*SCS13 is equivalent of SUS304.

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 HANDLE FT-120, FT-150

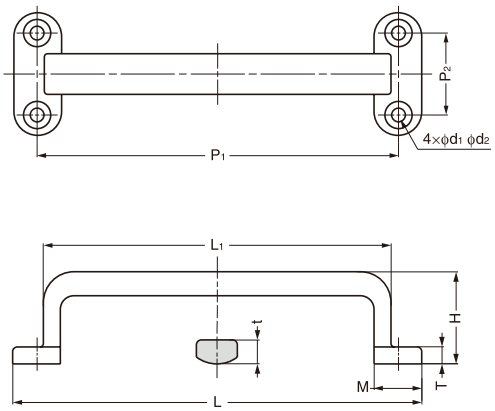
Latest Info



SUS SCREW

Parts Included

- Raised countersunk head wood screw (SUS)



Item Code	Item Name	Material	Finish	L	L_1	B_1	B_2	H	T	t	M	P_1	P_2	d_1	d_2	Screw	Weight	Box	Carton
100-010-067	FT-120	Stainless Steel (SCS13)	Mirror	120	102	36	12	27	5	7	14	106	24	4.1	8	3.8×20	117 g	10 pcs	120 pcs
100-010-068	FT-150	Stainless Steel (SCS13)	Mirror	150	129	45	15	33	6	8	18	132	30	5.3	10.4	5.1×25	217 g	5 pcs	40 pcs

*SCS13 is equivalent of SUS304.

LAMP. STAINLESS STEEL HANDLE FT-R

Latest Info

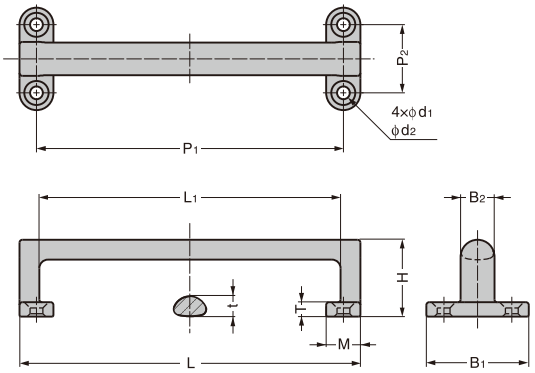


- A rounded handle for a comfortable grip.
- Wide grip.

SUS

Parts Included

- FT-R-120: Raised countersunk head tapping screw 4×20 (SUS)
- FT-R-160: Raised countersunk head tapping screw 5×25 (SUS)



Item Code	Item Name	Material	Finish	L	L_1	B_1	B_2	H	T	t	M	P_1	P_2	d_1	d_2	Weight (g)	Box (pcs)	Carton (pcs)
100-034-130	FT-R-120	Stainless Steel (SCS13)	Polished	120	106	36	12	27	5.5	7	12	108	24	4.5	8.5	140	10	60
100-034-131	FT-R-160			160	142	48	16.3	36	7	9	16	144	32	5.5	10.5	285	5	20

*SCS13 is equivalent of SUS304.

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 HANDLE FT-T

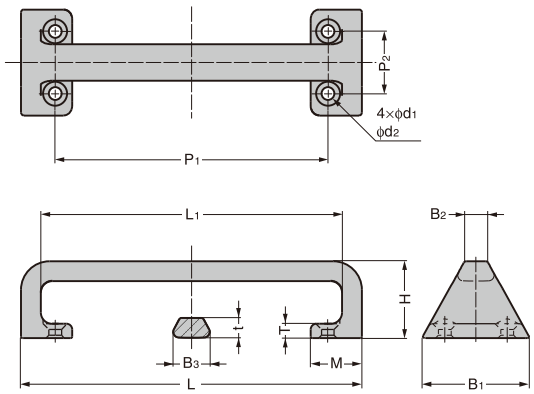
Latest Info



- A substantial and firm shape with rounded inside edges allows for easy gripping.
- Wide grip.

SUS316

Parts Included
- FT-T-120: Raised countersunk head tapping screw 4×20 (SUS)
- FT-T-170: Raised countersunk head tapping screw 5×25 (SUS)
- FT-T-220: Raised countersunk head tapping screw 6×35 (SUS)



Item Code	Item Name	Material	Finish	L	L_1	B_1	B_2	B_3	H	T	t	M	P_1	P_2	d_1	d_2	Weight (g)	Box (pcs)	Carton (pcs)
100-034-132	FT-T-120	Stainless Steel (SCS14)	Polished	120	105	39.3	10	15.1	28.5	6	7	19	96	24	4.5	8.5	225	10	40
100-034-133	FT-T-170			170	150	53.3	12	18.7	38	7.5	10	25.5	135	32	5.5	10.5	500	5	20
100-034-134	FT-T-220			220	200	69.3	15	24.3	49.5	9.5	13	32.5	176	41	6.5	12.5	1000	1	10

*SCS14 is equivalent of SUS316.

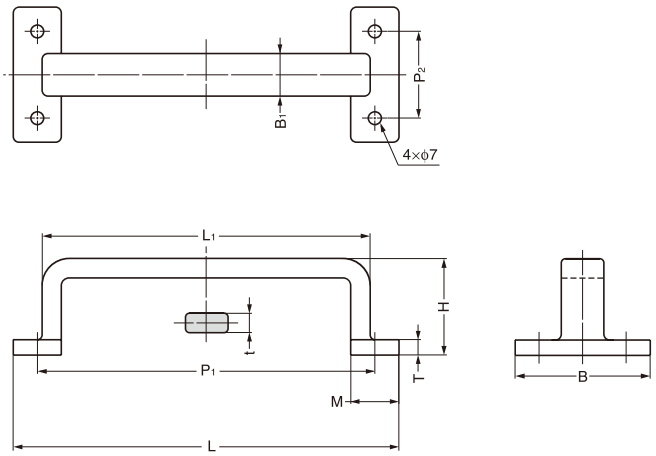
LAMP. STAINLESS STEEL HANDLE FT-200, FT-280

Latest Info



SUS316 SCREW

Parts Included
- Binding head tapping screw 6×35 (SUS)



Item Code	Item Name	Material	Finish	L	L_1	B	B_1	H	T	t	M	P_1	P_2	Weight	Box	Carton
100-010-069	FT-200	Stainless Steel (SCS14)	Mirror	200	170	70	22	50	8	10	25	175	45	697 g	1 pc	20 pcs
100-010-070	FT-280	Stainless Steel (SCS14)	Mirror	280	250	80	26	62	10	12	27	253	55	1250 g	1 pc	10 pcs

*SCS14 is equivalent of SUS316.

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.

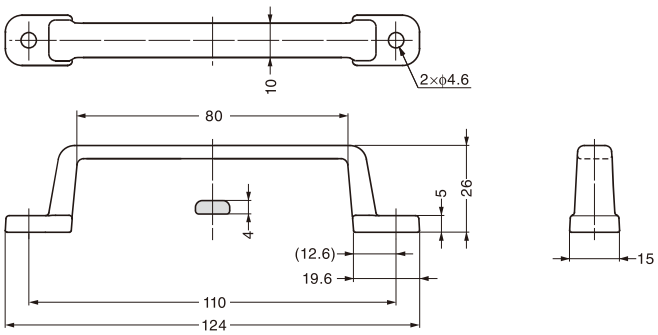
STAINLESS STEEL HANDLE FT-110S

Latest Info



SUS

Recommended Screw
- M4 Screw



Item Code	Item Name	Material	Finish	Weight	Box	Carton
100-019-029	FT-110S	Stainless Steel (SCS13)	Satin	63 g	50 pcs	200 pcs

*SCS13 is equivalent of SUS304.

LAMP STAINLESS STEEL FOLDING HANDLE HKM Front Screw Mount NEW

Latest Info

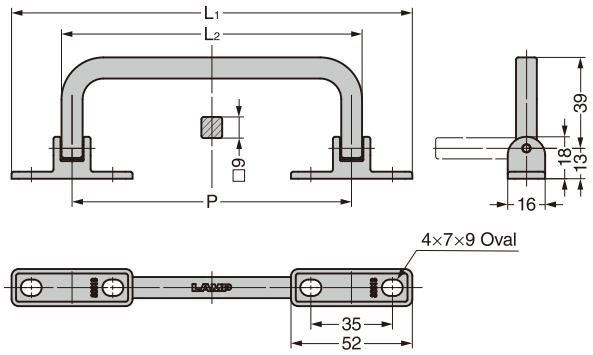


- 90-degree folding handle.
- Handle clicks (temporary holding function) into open and closed position.
- Can be installed on an aluminium frame.

TEST METHOD 20 SUS

Applications
- Storage handle for various kinds of equipment, etc.

Recommended Screws
- M6 screws



Feature

Item Code	Item Name	Material	Finish	L1	L2	P	Load Capacity N	Load Capacity kgf	Weight (g)
100-047-045	HKM-120	Stainless Steel (SCS13)	Mirror	172	129	120	490	50	177
100-047-046	HKM-150			202	159	150			194
100-047-047	HKM-180			232	189	180			214

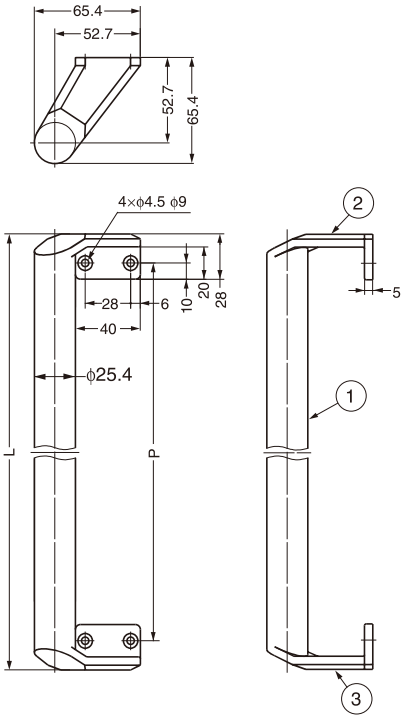
*SCS13 is equivalent to SUS304.

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 DOOR HANDLE MP

Latest Info





- Simple design which can be installed from the front
- Does not have any brackets or joints, protecting clothes from getting caught inside when passing.
- Possible to customize the length. For questions about lot size and options, please contact us.

SUS316

Recommended Screw

- Countersunk head screw M4
- Countersunk head tapping screw 4
- Countersunk head wood screw 4.1

No.	Part Name	Material
①	Pipe	Stainless Steel (SUS316)
②	Strike Plate (L)	Stainless Steel (SCS14)
③	Strike Plate (R)	Stainless Steel (SCS14)

Item Code	Item Name	Material	Finish	L	P	Weight	Box	Carton
100-010-500	MP-500	Stainless Steel (SUS316)	Mirror	500	464	1000 g	2 pcs	20 pcs
100-010-501	MP-750	Stainless Steel (SUS316)	Mirror	750	714	1300 g	2 pcs	16 pcs
100-010-502	MP-1000	Stainless Steel (SUS316)	Mirror	1000	964	1600 g	2 pcs	12 pcs

LAMP. VINYL HANDLE PS

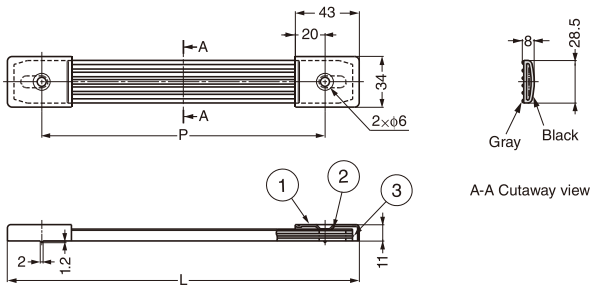
Latest Info



- Handle can be pulled out when in use.

Recommended Screw

- Countersunk head wood screw 5.5



No.	Part Name	Material	Finish/Colour
①	Cover	Steel	Black
②	Handle	PVC	Grey/Black
③	Reinforcing Plate	Steel	Yellow Zinc Chromate

Item Code	Item Name	L	P	Weight	Box
100-010-249	PS-190	236	190	100 g	50 pcs
100-010-250	PS-220	266	220	110 g	50 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 PULL SN

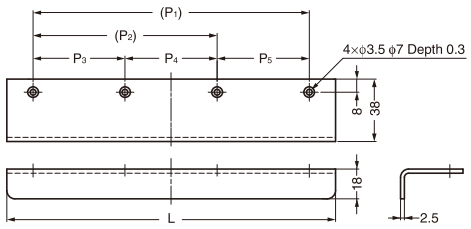
Latest Info



• Black is also available for SN-50, SN-70, and SN-95 versions.

SUS SCREW

Parts Included
• Countersunk head wood screw 3.1×20 (SUS)



Item Code	Item Name	Material	Finish	L	P1	P2	P3	P4	P5	Holes	Weight	Box	Carton
100-010-162	SN-50S	Stainless Steel (SUS304)	Satin	50	–	–	30	–	–	2 pcs	47 g	40 pcs	400 pcs
100-010-155	SN-50M	Stainless Steel (SUS304)	Mirror	50	–	–	30	–	–	2 pcs	47 g	40 pcs	400 pcs
100-033-745	SN-50BL	Stainless Steel (SUS304)	Black	50	–	–	30	–	–	2 pcs	47 g	40 pcs	400 pcs
100-010-163	SN-70S	Stainless Steel (SUS304)	Satin	70	–	–	46	–	–	2 pcs	65 g	30 pcs	300 pcs
100-010-156	SN-70M	Stainless Steel (SUS304)	Mirror	70	–	–	46	–	–	2 pcs	65 g	30 pcs	300 pcs
100-033-744	SN-70BL	Stainless Steel (SUS304)	Black	70	–	–	46	–	–	2 pcs	65 g	30 pcs	300 pcs
100-010-164	SN-95S	Stainless Steel (SUS304)	Satin	95	–	–	65	–	–	2 pcs	90 g	20 pcs	200 pcs
100-010-157	SN-95M	Stainless Steel (SUS304)	Mirror	95	–	–	65	–	–	2 pcs	90 g	20 pcs	200 pcs
100-033-743	SN-95BL	Stainless Steel (SUS304)	Black	95	–	–	65	–	–	2 pcs	90 g	20 pcs	200 pcs
100-010-165	SN-120S	Stainless Steel (SUS304)	Satin	120	–	90	45	45	–	3 pcs	112 g	20 pcs	200 pcs
100-010-158	SN-120M	Stainless Steel (SUS304)	Mirror	120	–	90	45	45	–	3 pcs	112 g	20 pcs	200 pcs
100-056-046	SN-120BL	Stainless Steel (SUS304)	Black	120	–	90	45	45	–	3 pcs	112 g	20 pcs	200 pcs
100-010-166	SN-150S	Stainless Steel (SUS304)	Satin	150	–	114	57	57	–	3 pcs	147 g	15 pcs	150 pcs
100-010-159	SN-150M	Stainless Steel (SUS304)	Mirror	150	–	114	57	57	–	3 pcs	147 g	15 pcs	150 pcs
100-056-047	SN-150BL	Stainless Steel (SUS304)	Black	150	–	114	57	57	–	3 pcs	147 g	15 pcs	150 pcs
100-021-720	SN-200S	Stainless Steel (SUS304)	Satin	200	168	112	56	56	56	4 pcs	200 g	15 pcs	60 pcs
100-021-721	SN-200M	Stainless Steel (SUS304)	Mirror	200	168	112	56	56	56	4 pcs	200 g	15 pcs	60 pcs
100-056-048	SN-200BL	Stainless Steel (SUS304)	Black	200	168	112	56	56	56	4 pcs	200 g	15 pcs	60 pcs
100-021-722	SN-300S	Stainless Steel (SUS304)	Satin	300	270	180	90	90	90	4 pcs	300 g	10 pcs	40 pcs
100-021-723	SN-300M	Stainless Steel (SUS304)	Mirror	300	270	180	90	90	90	4 pcs	300 g	10 pcs	40 pcs
100-056-049	SN-300BL	Stainless Steel (SUS304)	Black	300	270	180	90	90	90	4 pcs	300 g	10 pcs	40 pcs

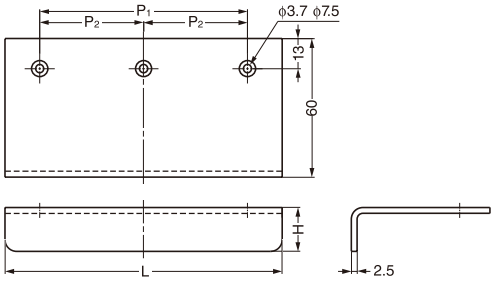
STAINLESS STEEL PULL SND

Latest Info



SUS SCREW

Parts Included
• Countersunk head wood screw 3.5×20 (SUS)



Item Code	Item Name	Material	Finish	L	H	P1	P2	Holes	Weight	Box	Carton
100-010-150	SND-50M	Stainless Steel (SUS304)	Mirror	50	17	30	–	2 pcs	67 g	10 pcs	200 pcs
100-010-151	SND-70M	Stainless Steel (SUS304)	Mirror	70	17	46	–	2 pcs	95 g	10 pcs	200 pcs
100-010-152	SND-95M	Stainless Steel (SUS304)	Mirror	95	18	65	–	2 pcs	130 g	5 pcs	100 pcs
100-010-153	SND-120M	Stainless Steel (SUS304)	Mirror	120	19	90	45	3 pcs	166 g	5 pcs	50 pcs
100-010-154	SND-150M	Stainless Steel (SUS304)	Mirror	150	19	114	57	3 pcs	208 g	5 pcs	50 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. BRASS PULL SNB NEW

Latest Info



- Brass edge pull with stylish finishes.
- Length of 120 and 180 is now available. For details, please refer to the New Product for No.500 catalogue, P.I001.

SCREW

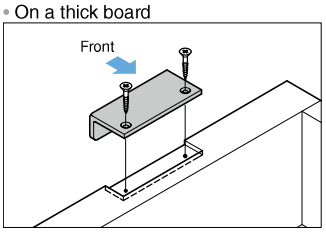
Parts Included
- Cross-recessed countersunk head wood screw 3.1 x 20

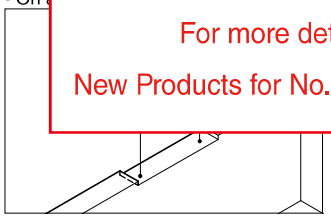
* The colours of the included screws are as below:
  - Gold screws: Polished/Satin
  - Black screw: Antique Plating

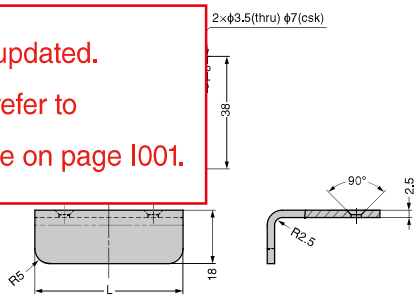
Remarks
- As each finish has a different natural brass texture, it may look slightly different.

Product number has been updated.
For more details, please refer to
New Products for No.500 catalogue on page I001.

Installation Example
- On a thick board





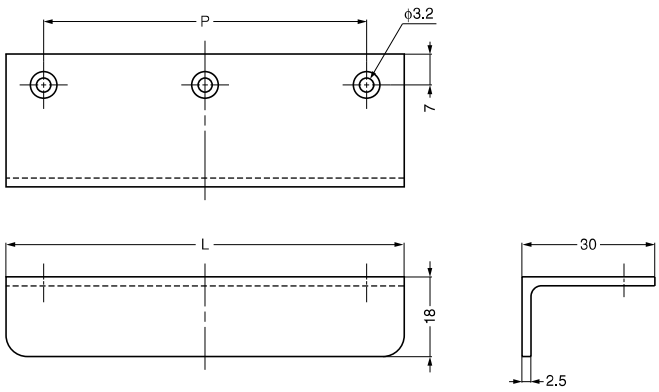


Item Code	Item Name	Material	Finish	Colour	L	P	Weight (g)	Box (pcs)	Carton (pcs)
100-048-925	SNB-50BB	Brass	Polished	Bright Brass	50	30	50	10	250
100-048-926	SNB-50SB		Satin	Satin Brass				10	250
100-048-927	SNB-50AB		Antique Plating	Antique Brass				10	250
100-048-928	SNB-70BB		Polished	Bright Brass	70	46	70	10	250
100-048-929	SNB-70SB		Satin	Satin Brass				10	250
100-048-930	SNB-70AB		Antique Plating	Antique Brass				10	250
100-048-931	SNB-95BB		Polished	Bright Brass	95	65	95	5	100
100-048-932	SNB-95SB		Satin	Satin Brass				5	100
100-048-933	SNB-95AB		Antique Plating	Antique Brass				5	100

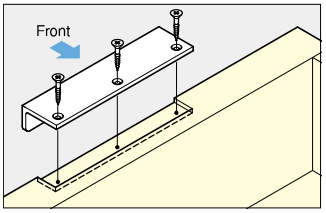
LAMP. PULL ANGU

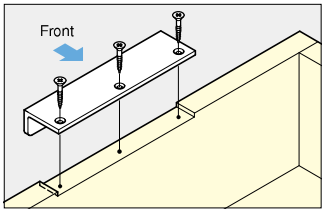
Latest Info





Installation



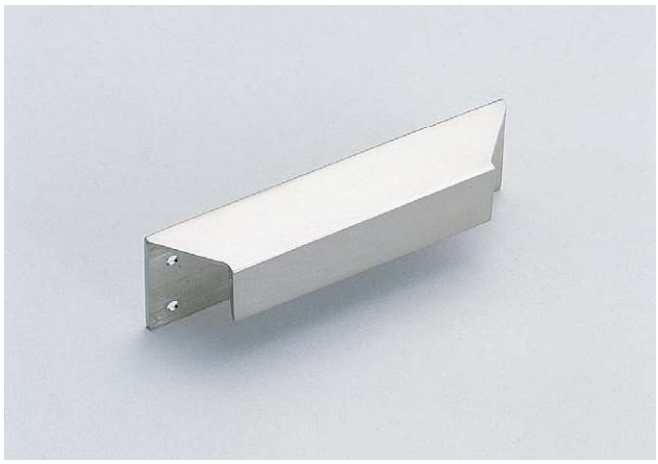


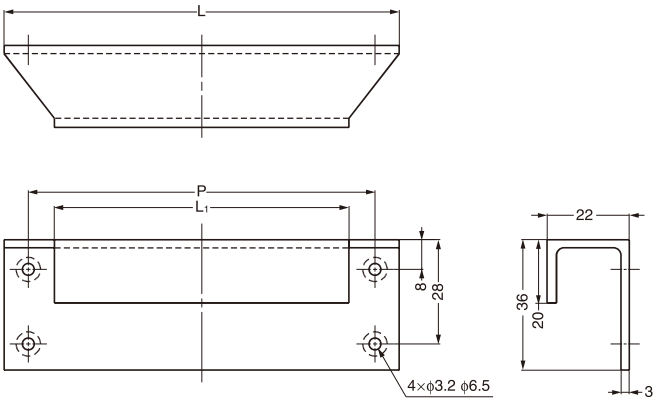
Item Code	Item Name	Material	Finish	L	P	Holes	Box	Carton
100-010-925	ANGU-A405	Brass	Satin Nickel	46	29	2 pcs	120 pcs	480 pcs
100-010-926	ANGU-A402	Brass	Satin Nickel	90	73	3 pcs	70 pcs	280 pcs

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.

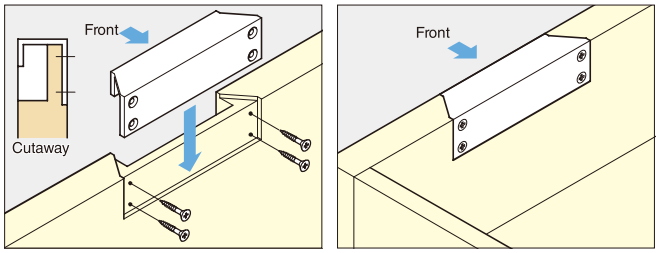
LAMP PULL CHAN

Latest Info





Installation



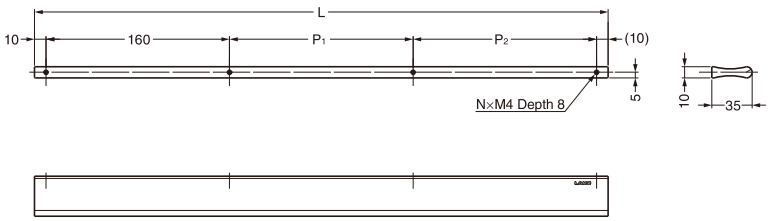
Item Code	Item Name	Material	Finish	L	L1	P	Box	Carton
100-010-930	CHAN-A362	Brass	Satin Nickel	106	76	93	28 pcs	112 pcs
100-010-931	CHAN-A360	Brass	Satin Nickel	137	107	123	16 pcs	64 pcs

LAMP PULL AOT35

Latest Info



- Smooth curves produce a visually desirable handle.
- Inward curving dimples on the top and bottom make it easy to grab.

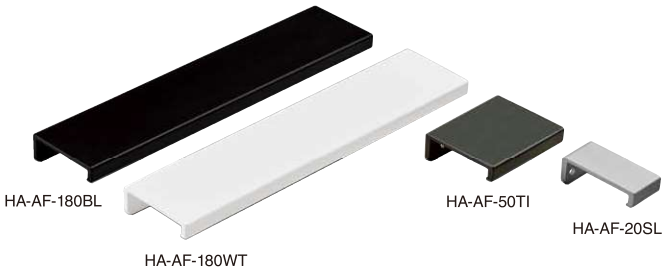


Item Code	Item Name	Material	Finish	L	P1	P2	N	Weight	Box
100-012-523	AOT35-180	Aluminium Alloy	Anodized	180	-	-	2	129 g	100
100-012-524	AOT35-340	Aluminium Alloy	Anodized	340	160	-	3	243 g	50
100-012-525	AOT35-500	Aluminium Alloy	Anodized	500	160	160	4	358 g	30

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 EXTRUDED ALUMINIUM PULL HA-AF NEW

Latest Info



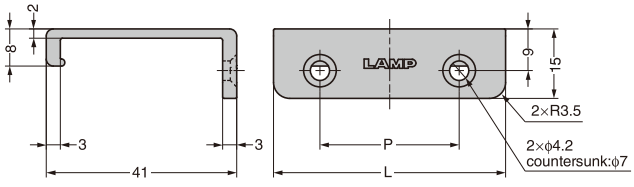
- Features a lip on the edge for better grip.
- Available in four colours.

SCREW

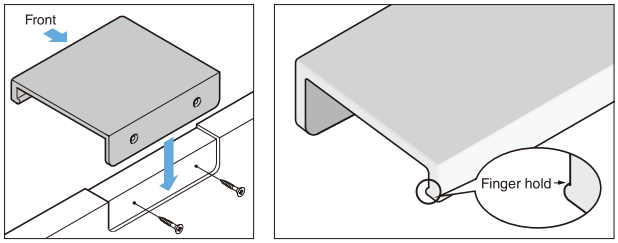
Parts Included

- Cross-recessed countersunk screw* M3 x 8
  (for mounting on stainless steel, aluminium frames, and sheet metal)
- Cross-recessed countersunk tapping screw* 3 x 16
  (for mounting on stainless steel/wood)

*The head of the screws has the same colour as the handle.



Installation



Item Code	Item Name	Material	Finish	Colour	L	P	Weight (g)	Box (pcs)	Carton (pcs)
100-046-315	HA-AF-20SL	Aluminium Alloy	Anodized	Silver	20	10	7	20	160
100-046-316	HA-AF-20TI		Powder Coating	Titanium				20	160
100-046-317	HA-AF-20WT			White				20	160
100-046-318	HA-AF-20BL			Black				20	160
100-046-319	HA-AF-50SL		Anodized	Silver	50	30	18	20	160
100-046-320	HA-AF-50TI		Powder Coating	Titanium				20	160
100-046-321	HA-AF-50WT			White				20	160
100-046-322	HA-AF-50BL			Black				20	160
100-046-323	HA-AF-180SL		Anodized	Silver	180	150	66	20	120
100-046-324	HA-AF-180TI		Powder Coating	Titanium				20	120
100-046-325	HA-AF-180WT			White				20	120
100-046-326	HA-AF-180BL			Black				20	120

PULL HA-DE NEW

Latest Info

Under Development



- A pull with a modern square design.
- Features a lip on the edge for better grip.

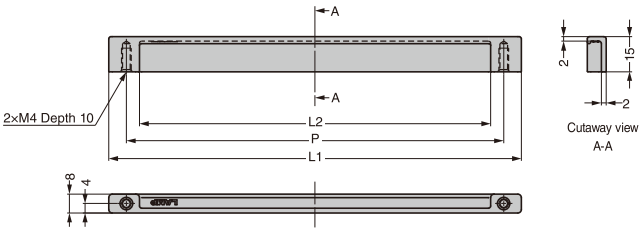
TEST METHOD20 SCREW

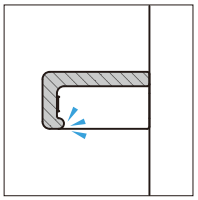
Applications

- Handle for Swing Door, Drawer, and Sliding Door

Parts Included

- Cross-recessed truss head screw M4x25 (Stainless Steel)





Has a lip for easy grip.

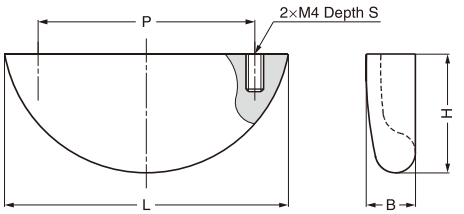
Item Code	Item Name	Material	Finish/Colour	L_1	L_2	P	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-053-833	HA-DE-80BL	Zinc Alloy (ZDC)	Baked Enamel Finish/Black	80	54	64	–	–	34	–	–
100-053-834	HA-DE-80ST		Baked Enamel Finish/Stainless								
100-053-835	HA-DE-175BL		Baked Enamel Finish/Black	175	149	160			61	–	–
100-053-836	HA-DE-175ST		Baked Enamel Finish/Stainless								

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 PULL RD

Latest Info





- Gentle curving design makes it fit the shape of hands and makes it easy to grab.

SUS316 SCREW

Parts Included
- Truss head screw M4×25 (SUS)

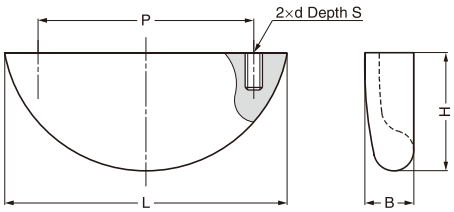
Item Code	Item Name	Material	Finish	L	H	B	P	S	Weight	Box	Carton
100-901-049	RD-55SM	Stainless Steel (SCS14)	Mirror	55	23	9.5	42	8	50 g	30 pcs	360 pcs
100-901-050	RD-90SM	Stainless Steel (SCS14)	Mirror	90	25.5	10.5	74	10	80 g	20 pcs	240 pcs

*SCS14 is equivalent of SUS316.

LAMP PULL RD

Latest Info





- Gentle curving design makes it fit the shape of hands and makes it easy to grab.

SCREW

Parts Included
- Truss head screw

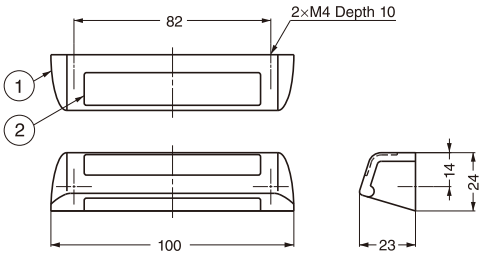
*Screws not included with RD-45CR-SA.

Item Code	Item Name	Material	Finish	L	P	H	B	d	S	Screw	Weight	Box	Carton
100-012-331	RD-45CR	Zinc Alloy (ZDC)	Chrome	45	32	19	8.2	M3	7	M3×28	22 g	40 pcs	480 pcs
100-012-333	RD-45WB	Zinc Alloy (ZDC)	Satin Nickel	45	32	19	8.2	M3	7	M3×28	22 g	40 pcs	480 pcs
100-012-330	RD-45BN	Zinc Alloy (ZDC)	Black Nickel	45	32	19	8.2	M3	7	M3×28	22 g	40 pcs	480 pcs
100-012-332	RD-45SG	Zinc Alloy (ZDC)	Gold	45	32	19	8.2	M3	7	M3×28	22 g	40 pcs	480 pcs
100-012-387	RD-45SL	Zinc Alloy (ZDC)	Paint/Silver	45	32	19	8.2	M3	7	M3×28	22 g	40 pcs	480 pcs
100-012-335	RD-55CR	Zinc Alloy (ZDC)	Chrome	55	42	23	9.5	M4	8	M4×28	35 g	30 pcs	360 pcs
100-012-337	RD-55WB	Zinc Alloy (ZDC)	Satin Nickel	55	42	23	9.5	M4	8	M4×28	35 g	30 pcs	360 pcs
100-012-334	RD-55BN	Zinc Alloy (ZDC)	Black Nickel	55	42	23	9.5	M4	8	M4×28	35 g	30 pcs	360 pcs
100-012-336	RD-55SG	Zinc Alloy (ZDC)	Gold	55	42	23	9.5	M4	8	M4×28	35 g	30 pcs	360 pcs
100-012-162	RD-90CR	Zinc Alloy (ZDC)	Chrome	90	74	25.5	10.5	M4	9.5	M4×28	63 g	20 pcs	240 pcs
100-012-341	RD-90WB	Zinc Alloy (ZDC)	Satin Nickel	90	74	25.5	10.5	M4	9.5	M4×28	63 g	20 pcs	240 pcs
100-012-338	RD-90BN	Zinc Alloy (ZDC)	Black Nickel	90	74	25.5	10.5	M4	9.5	M4×28	63 g	20 pcs	240 pcs
100-012-340	RD-90SG	Zinc Alloy (ZDC)	Gold	90	74	25.5	10.5	M4	9.5	M4×28	63 g	20 pcs	240 pcs

LAMP PULL GF-100

Latest Info





No.	Material	Finish/Colour
①	ABS	Black
②	Aluminium Sheet	Satin

Item Code	Item Name	Weight	Box	Carton
100-010-273	GF-100	21 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.

STAINLESS STEEL RECESSED PULL DFHH-R NEW

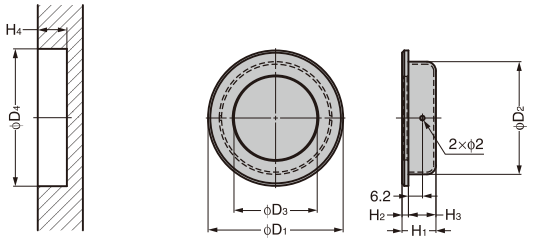
Latest Info



- Has a lip designed for comfortable operation and facilitates grasping the pull with fingertips.

SUS

Cut Out Dimensions

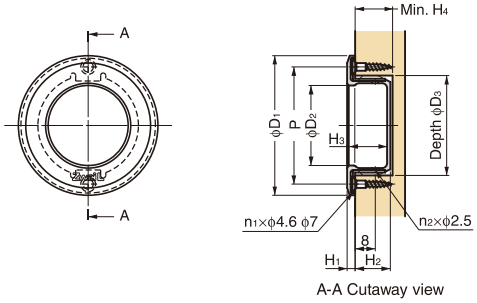


Item Code	Item Name	Material	Finish/Colour	D1	D2	D3	D4	H1	H2	H3	H4	Weight (g)
100-049-755	DFHH-R50SH	Stainless Steel (SUS304)	Satin	50	40	27	42	15	2.8	12.2	13	40
100-049-756	DFHH-R50BL		Paint/Black									
100-049-757	DFHH-R60SH		Satin	60	50	37	52					53
100-049-758	DFHH-R60BL		Paint/Black									
100-049-759	DFHH-R80SH		Satin	80	62	50	64	17	3	14.2	15	95
100-049-760	DFHH-R80BL		Paint/Black									

Zwei L. STAINLESS STEEL RECESSED PULL ZL-2501

Latest Info





A-A Cutaway view

- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Product has an inner recessed area which can be grabbed by hand.

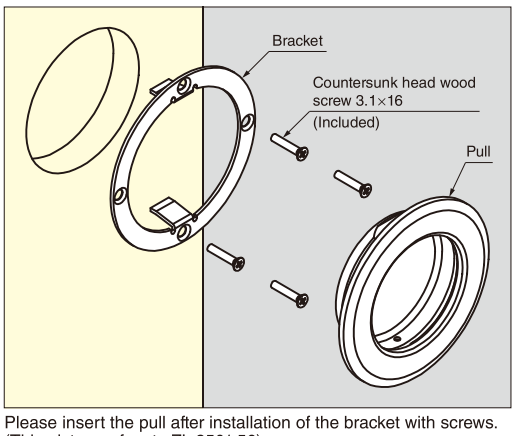
SUS316 SCREW

Concept

Parts Included

- Countersunk head wood screw 3.1×16 (SUS)

Installation



Please insert the pull after installation of the bracket with screws.
(This picture refers to ZL-2501-56)

Item Code	Item Name	Material	Finish	D1	D2	D3	H1	H2	H3	H4	P	n1	n2	Weight
100-011-034	ZL-2501-56	Stainless Steel (SUS316)	Zwei L Finish	56	32	40	3.2	14	16	15	47	2	2	93 g
100-011-035	ZL-2501-80	Stainless Steel (SUS316)	Zwei L Finish	80	50	62	4	14	16.5	15	70	4	2	196 g
100-011-036	ZL-2501-125	Stainless Steel (SUS316)	Zwei L Finish	125	80	100	5	16	20	17	112	4	4	610 g

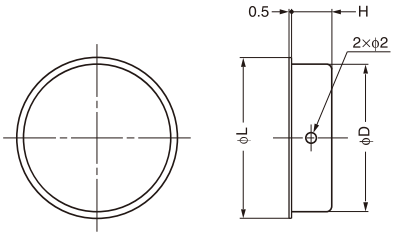
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. STAINLESS STEEL RECESSED PULL SMH

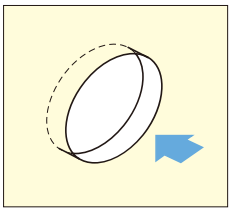
Latest Info



SUS



Installation

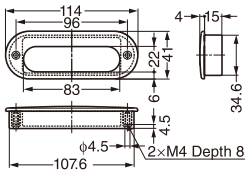


Item Code	Item Name	Material	Finish	L	H	D	Weight	Box	Carton
100-010-184	SMH-30	Stainless Steel (SUS304)	Satin	30	7.5	27.5	4 g	100 pcs	3,600 pcs
100-010-185	SMH-37	Stainless Steel (SUS304)	Satin	36	8.5	31.5	6 g	100 pcs	3,600 pcs
100-010-186	SMH-45	Stainless Steel (SUS304)	Satin	46	8.5	41	9.5 g	100 pcs	2,400 pcs
100-010-187	SMH-60	Stainless Steel (SUS304)	Satin	60	9.5	53.5	15 g	50 pcs	1,200 pcs
100-010-188	SMH-80	Stainless Steel (SUS304)	Satin	80	9.5	71	25.5 g	25 pcs	500 pcs

LAMP. STAINLESS STEEL RECESSED PULL HH-D

Latest Info





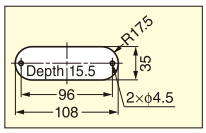
- Sheet metal thickness: max. 2 mm

SUS316 SCREW

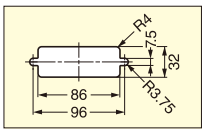
Parts Included

- For wood panel t = 20: truss head tapping screw M4×15 (SUS)
- For sheet metal t = 2: truss head tapping screw M4×10 (SUS)

Cut Out Dimensions (For wood door)



Cut Out Dimensions (For metal door)



Item Code	Item Name	Material	Finish/Colour	Weight	Box	Carton
100-012-951	HH-D	Stainless Steel (SCS14)/ABS	Mirror/Black	85 g	10 pcs	60 pcs

*SCS14 is equivalent of SUS316.

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 RECESSED PULL HH-DS114

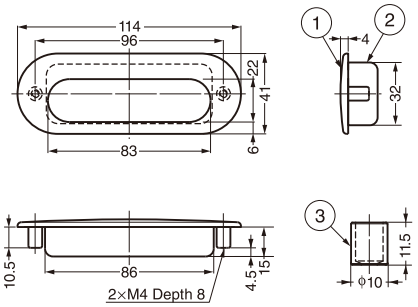
Latest Info



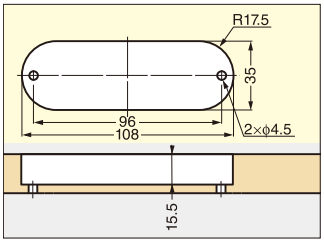
SUS316 | SCREW

Parts Included

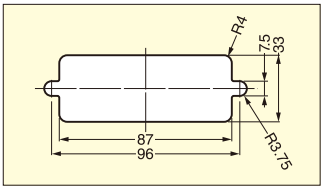
- For wood panel t = 20: truss head tapping screw M4×15 (SUS)
- For sheet metal t = 2: truss head tapping screw M4×8 (SUS)



Cut Out Dimensions (For wood door)



Cut Out Dimensions (For metal door)



No.	Part Name	Material	Finish
①	Body	Stainless Steel (SCS14)	Mirror/Satin
②	Cup	Stainless Steel (SUS304)	Satin
③	Spacer	Stainless Steel (SUS304)	-

*SCS14 is equivalent of SUS316.

Item Code	Item Name	Finish	Weight	Box	Carton
100-010-585	HH-DS114M	Mirror	105 g	10 pcs	60 pcs
100-010-586	HH-DS114S	Satin	105 g	10 pcs	60 pcs

diffu STAINLESS STEEL RECESSED PULL DFHH-DS170 NEW

Latest Info



- Grips on both sides allow the door to be moved in either direction.

SUS

Parts Included

- Countersunk truss head screw M4×14 (for wood installation)

Sold Separately

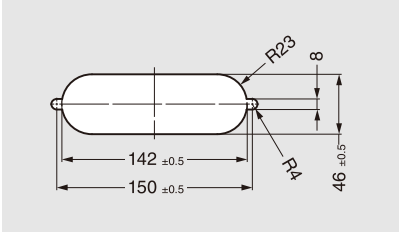
- Spacer BSP-8 (for sheet metal)

Recommended Screws

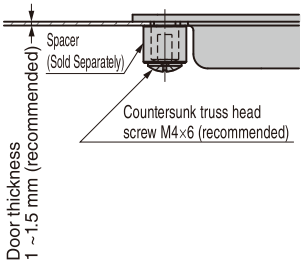
- Countersunk truss head screw M4×6 (for sheet metal)

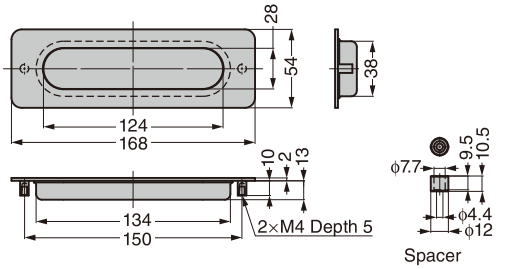
*Door thickness 1 ~1.5 mm

Cut Out Dimensions for Sheet Metal



Installation Specs for Sheet Metal





Body

Item Code	Item Name	Material	Finish/Colour	Weight (g)
100-049-761	DFHH-DS170SH	Stainless Steel (SUS304)	Satin	125
100-049-762	DFHH-DS170BL		Paint/Black	

Spacer (Sold Separately)

Item Code	Item Name	Material	Finish
100-019-635	BSP-8	Steel (SUM)	Coloured Chromate

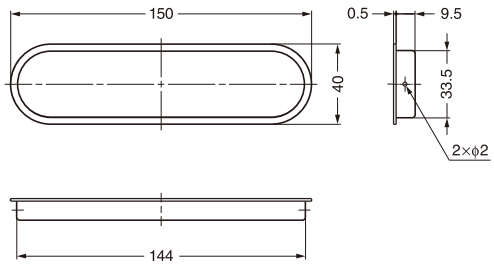
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP STAINLESS STEEL RECESSED PULL OP-150

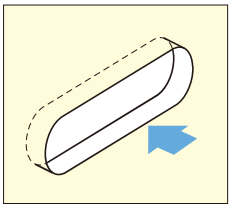
Latest Info



SUS



Installation



Item Code	Item Name	Material	Finish	Weight	Box	Carton
100-015-016	OP-150	Stainless Steel (SUS304)	Satin	30 g	30 pcs	720 pcs

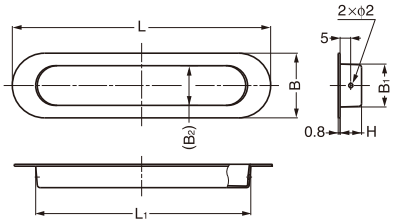
LAMP STAINLESS STEEL RECESSED PULL HN

Latest Info

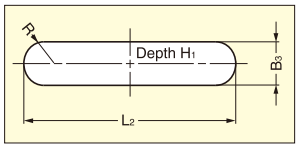


SUS

Parts Included
- ϕ1.2×10 nail (SUS)



Cut Out Dimensions



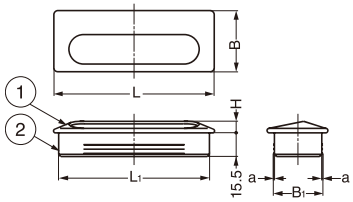
Item Code	Item Name	Material	Finish	L	L1	H	B	B1	B2	L2	B3	H1	Weight	Box	Carton
100-012-953	HN-120SH	Stainless Steel (SUS304)	Satin	120	100	10	30	20	18.5	100.5	20.5	10.5	19 g	50 pcs	500 pcs
100-012-954	HN-150SH	Stainless Steel (SUS304)	Satin	150	130	12	35	26	24.5	130.5	26.5	12.5	27 g	20 pcs	200 pcs
100-012-955	HN-200SH	Stainless Steel (SUS304)	Satin	200	170	13.2	50	36	34.5	170.5	36.5	13.7	50 g	10 pcs	100 pcs
100-012-956	HN-250SH	Stainless Steel (SUS304)	Satin	250	220	13.2	50	36	34.5	220.5	36.5	13.7	92 g	10 pcs	100 pcs

LAMP STAINLESS STEEL RECESSED PULL UT

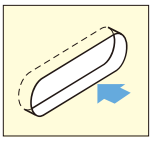
Latest Info



SUS



Installation



No.	Material	Finish/Colour
①	Stainless Steel (SUS304)	Satin
②	High Impact Polystyrene	Black

Item Code	Item Name	L	L1	H	B	B1	a	Weight	Box	Carton
100-010-004	UT-75	75	71	7	36	30.8	0.4	15 g	40 pcs	400 pcs
100-010-161	UT-105	105	99	7.5	40	32.5	0.5	30 g	25 pcs	250 pcs
100-012-850	UT-140	140	134	7.5	47	40.5	0.5	45 g	15 pcs	150 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 RECESSED PULL WITH VENTILATOR UTA-105

Latest Info



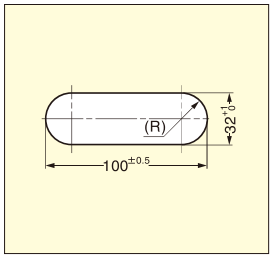


- Helps prevent buildup of smells or moisture when used on lockers or cabinets.
- Ventilator is not visible from the front, providing a clean appearance.
- Made from chemically resistant resin: not easily damaged by cleaning chemicals.

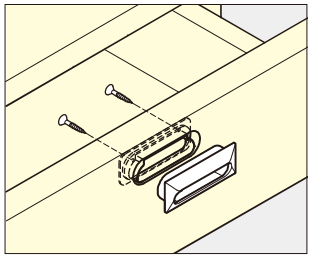
SUS SCREW

Parts Included
- Countersunk head tapping screw 4×20 (SUS)

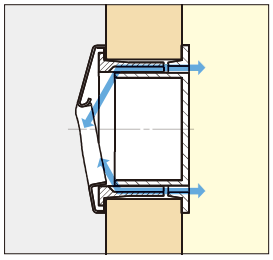
Cut Out Dimensions

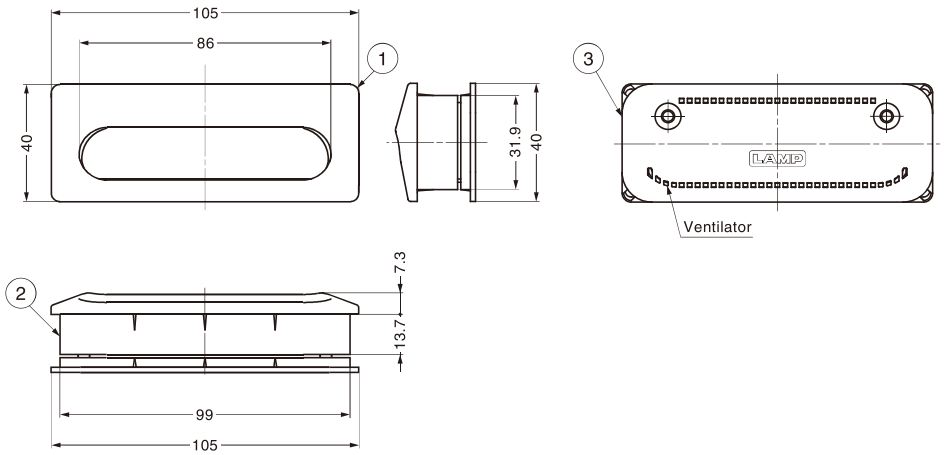


Installation



Air Flow





No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Cup	ABS	-
③	Back Cover	ABS	-

Item Code	Item Name	Colour	Max. Exhaust Area	Door Thickness	Weight	Box	Carton
100-026-733	UTA-105BL	Black	136 mm²	18 - 25	40 g	15 pcs	150 pcs
100-026-734	UTA-105GR	Light Grey	136 mm²	18 - 25	40 g	15 pcs	150 pcs
100-026-735	UTA-105IV	Ivory	136 mm²	18 - 25	40 g	15 pcs	150 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 RECESSED PULL SD-160

Latest Info



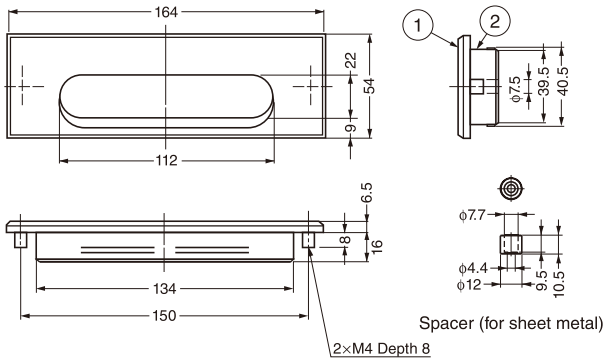
SCREW

Parts Included
- Truss head screw M4×8

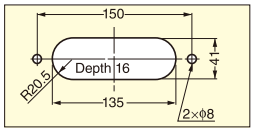
Sold Separately
- Spacer for sheet metal

Recommended Screw
- Trus head screw M4×8 (For sheet metal)

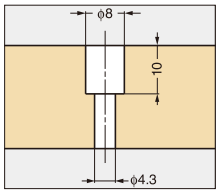
Feature



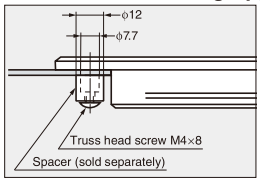
Cut Out Dimensions



Cut Out Dimensions for Wood Panel



Sheet Metal Mounting Application



No.	Part Name	Material	Finish/Colour
①	Body	Zinc Alloy (ZDC)	WB: Satin Nickel, CR: Chrome
②	Cup	ABS	Black

Body

Item Code	Item Name	Finish	Weight	Box	Carton
100-010-194	SD-160WB	Satin Nickel	184 g	10 pcs	60 pcs
100-010-181	SD-160CR	Chrome	184 g	10 pcs	60 pcs

Spacer (Sold Separately)

Item Code	Item Name	Material	Finish
100-019-635	BSP-8	Steel	Yellow Zinc Chromate

RECESSED PULL UTZ-130

Latest Info

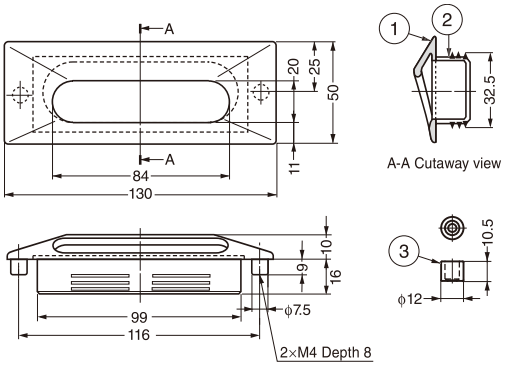


- A black version is now available.

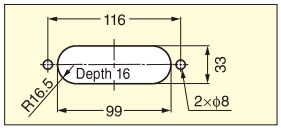
SCREW

Remarks
- Screws for wood panel not included.

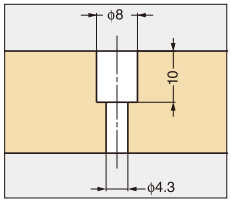
Parts Included
- Truss head screw M4×8 (for sheet metal)
- Spacer (for sheet metal)



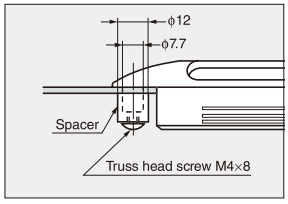
Cut Out Dimensions



Cut Out Dimensions for Wood Panel



Sheet Metal Mounting Application



No.	Part Name	Material	Finish/Colour
①	Body	Zinc Alloy (ZDC)	Chrome, Satin Nickel, Bronze, Black
②	Cup	Plastic (HIPS)	Black
③	Spacer	Steel	Clear Zinc Chromate

Item Code	Item Name	Finish	Weight	Box	Carton
100-010-225	UTZ-130WB	Satin Nickel	130 g	10 pcs	60 pcs
100-010-226	UTZ-130CR	Chrome	130 g	10 pcs	60 pcs
100-010-717	UTZ-130SCP	Bronze	130 g	10 pcs	60 pcs
100-055-460	UTZ-130BL	Black	130 g	10 pcs	60 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 RECESSED PULL HH-K

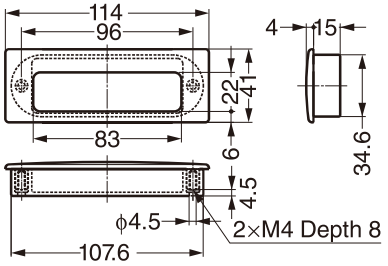
Latest Info



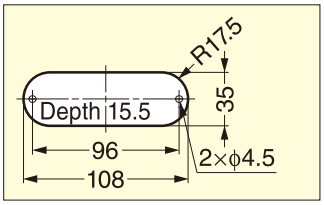
- Sheet metal thickness: max. 2 mm

SUS316 | SCREW

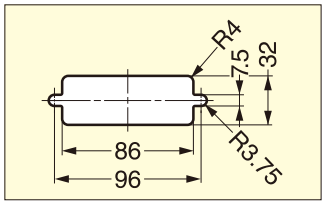
Parts Included
- For wood panel t = 20: truss head tapping screw M4×15 (SUS)
- For sheet metal t = 2: truss head tapping screw M4×10 (SUS)



Cut Out Dimensions (For wood door)



Cut Out Dimensions (For metal door)



Item Code	Item Name	Material	Finish/Colour	Weight	Box	Carton
100-012-952	HH-K	Stainless Steel (SCS14)/ABS	Mirror/Black	90 g	10 pcs	60 pcs

*SCS14 is equivalent of SUS316.

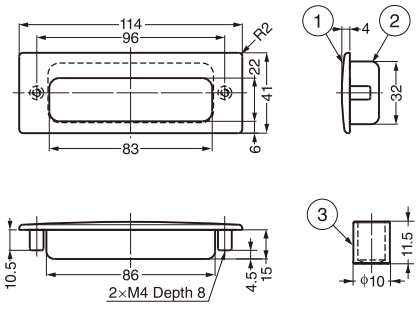
LAMP STAINLESS STEEL RECESSED PULL HH-KS114

Latest Info

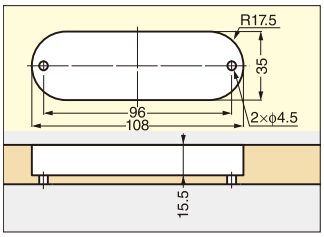


SUS | SCREW

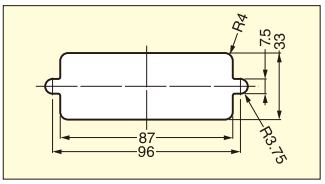
Parts Included
- For wood panel t = 20: truss head tapping screw M4×15 (SUS)
- For sheet metal t = 2: truss head tapping screw M4×8 (SUS)



Cut Out Dimensions (For wood door)



Cut Out Dimensions (For metal door)



No.	Part Name	Material	Finish
①	Body	Stainless Steel (SCS14)	Mirror/Satin
②	Cup	Stainless Steel (SUS304)	Satin
③	Spacer	Stainless Steel (SUS304)	-

Item Code	Item Name	Finish	Weight	Box	Carton
100-010-583	HH-KS114M	Mirror	110 g	10 pcs	60 pcs
100-010-584	HH-KS114S	Satin	110 g	10 pcs	60 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 RECESSED PULL DFHH-KS170 NEW

Latest Info



- Grips on both sides allow the door to be moved in either direction.

SUS | SCREW

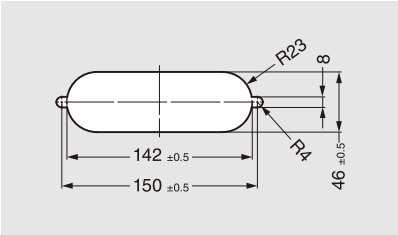
Parts Included
- Countersunk truss head screw M4×14 (for wood installation)

Sold Separately
- Spacer BSP-8 (for sheet metal)

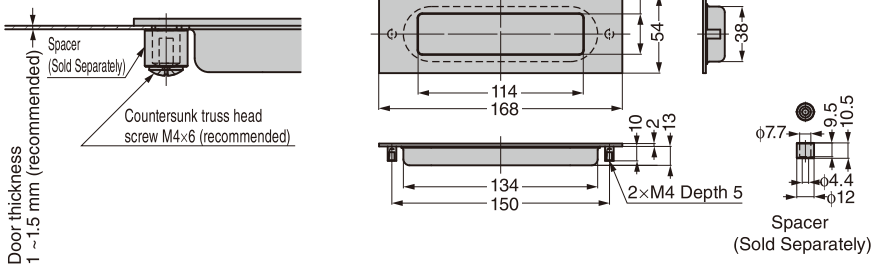
Recommended Screws
- Countersunk truss head screw M4×6 (for sheet metal)

* Door thickness 1 ~1.5 mm

Cut Out Dimensions for Sheet Metal



Installation Specs for Sheet Metal



Body

Item Code	Item Name	Material	Finish/Colour	Weight (g)
100-049-763	DFHH-KS170SH	Stainless Steel (SUS304)	Satin	140
100-049-764	DFHH-KS170BL		Paint/Black	

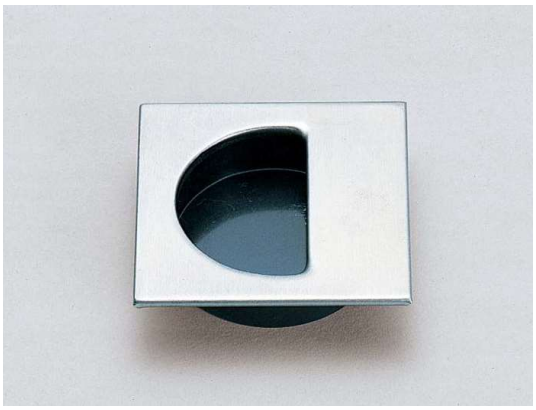
Spacer (Sold Separately)

Item Code	Item Name	Material	Finish
100-019-635	BSP-8	Steel (SUM)	Coloured Chromate

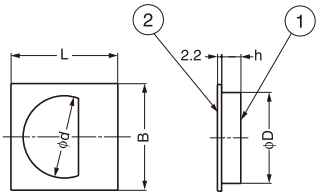
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. STAINLESS STEEL RECESSED PULL SKH

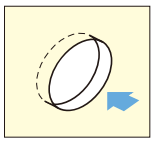
Latest Info



SUS



Installation



No.	Material	Finish/Colour
①	High Impact Polystyrene	Black
②	Stainless Steel (SUS304)	Satin

Item Code	Item Name	L	B	h	D	d	Weight	Box	Carton
100-010-179	SKH-44	44	44	9.8	35.1	31	10 g	100 pcs	1,000 pcs
100-010-177	SKH-47	47	47	10.3	37.6	34	11 g	60 pcs	1,440 pcs
100-010-178	SKH-57	57	57	10.3	48.6	44	16 g	50 pcs	1,200 pcs

STAINLESS STEEL RECESSED PULL HH-AS2

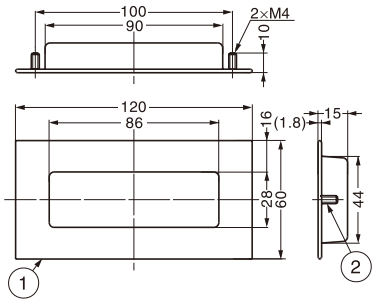
Latest Info



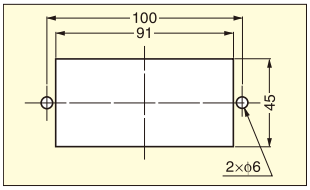
SUS SCREW

Parts Included

- M4 nut and washer



Cut Out Dimensions



No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Stud bolt	Stainless Steel (SUS304)	Plain

Item Code	Item Name	Weight	Box	Carton
100-019-030	HH-AS2-N	50 g	12 pcs	240 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 RECESSED PULL HH-DN NEW

Latest Info



HH-DN-50WB

HH-DN-40WB

HH-DN-29WB

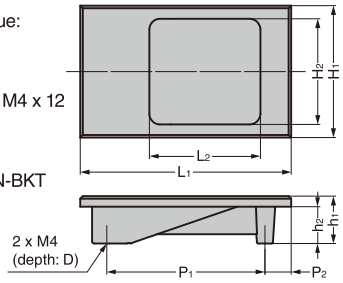
- Small flush pull handle made of metal.
- A new smaller size type is added to the lineup. The new HH-DN-29WB perfectly fits one finger.
- Can also be used on sheet metal when using with HH-DN-BKT bracket.

SCREW

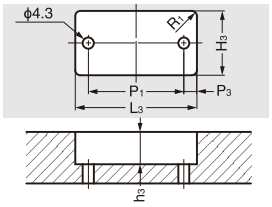
Remarks
- Recommended tightening torque: 0.75 N·m

Parts Included
- Countersunk truss head screw M4 x 12 (for wood installation)

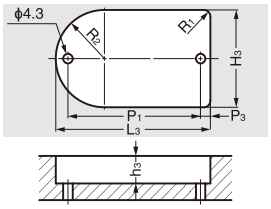
Optional Parts
- Bracket for Sheet Metal HH-DN-BKT



Installation on Wood

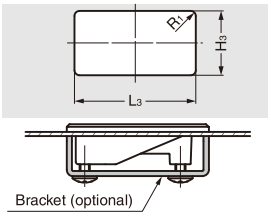


HH-DN-29WB / HH-DN-40WB

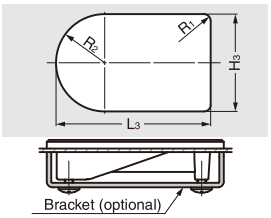


HH-DN-50WB

Installation on Sheet Metal



HH-DN-29WB / HH-DN-40WB



HH-DN-50WB

Item Code	Item Name	Material	Finish	L_1	L_2	H_1	H_2	h_1	h_2	P_1	P_2	D	L_3	H_3	P_3	R_1	R_2	h_3	Weight (g)	Box (pcs)	Carton (pcs)
100-049-509	HH-DN-29WB	Zinc Alloy (ZDC)	White Bronze	55	32	29	20	15.5	12.5	37	11	8.5	47	25	4	2	–	12.5	50	40	160
100-014-085	HH-DN-40WB				31.5	40	31.5			32	16	7	46	36	10				35	40	160
100-014-084	HH-DN-50WB			80	42	50	40	18	14	60	10	5	70	44	4.5	3	22	14	85	20	80

BRACKET FOR SHEET METAL HH-DN-BKT

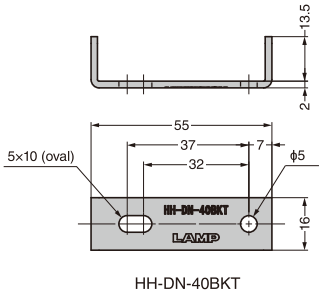


HH-DN-50BKT

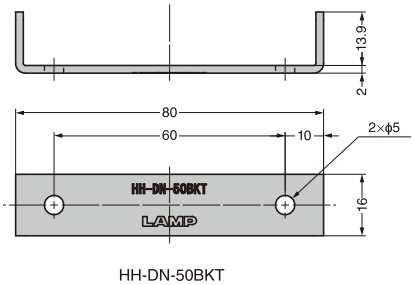
HH-DN-40BKT

SCREW

Parts Included
- Cross-recessed truss head screw M4 x 10



HH-DN-40BKT



HH-DN-50BKT

Item Code	Item Name	Material	Finish	Available Pull	Avialable Thickness	Weight (g)	Box (pcs)	Carton (pcs)
100-049-510	HH-DN-40BKT	Steel	Coloured Chromate (trivalent)	HH-DN-29WB / HH-DN-40WB	0.8 - 2.3	19	40	160
100-049-511	HH-DN-50BKT			HH-DN-50WB	0.8 - 3.2	26	40	160

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.

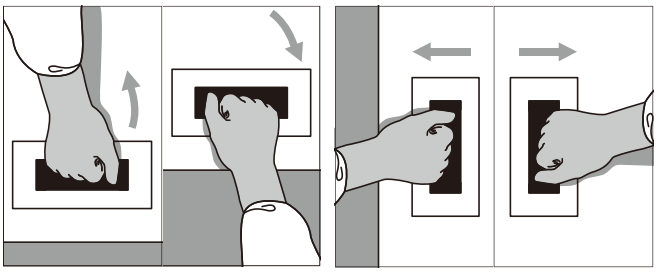
LAMP. RECESSED PULL HH-UD



- Grips on both sides allow the door to be moved in either direction.
- Solid grip interior with rounded edges for optimum comfort.
- The HH-UD156 is compliant with the SEMI S8-0915.

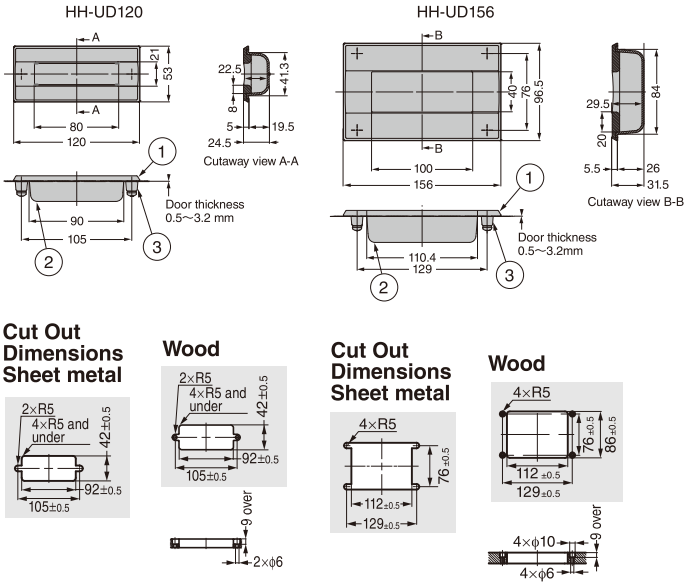
SUS

Recommended Screw
- M5 screw (length: board thickness +0mm/-3mm)



Concept

Feature



No.	Part Name	Material
①	Body	Stainless Steel (SCS13)
②	Cup	ABS and PC
③	Spacer	Stainless Steel (SUS304)

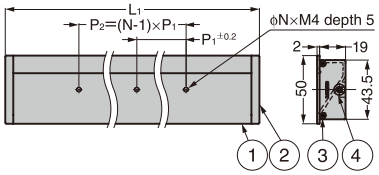
Item Code	Item Name	Finish	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-037-024	HH-UD120SH	Satin	500	51	193	1	40
100-037-025	HH-UD120SM	Mirror				1	40
100-037-026	HH-UD156SH	Satin			502	1	40
100-037-027	HH-UD156SM	Mirror				1	40

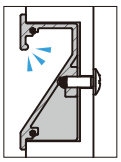
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP RECESSED PULL HH-WS NEW

Latest Info







Raised edge for better finger grip.

- A simple handle designed with straight lines.
- Has a hand grip on one side.

TEST METHOD 20 | SCREW

Specifications
- Tightening torque: 1.5 N·m

Application
- Swing doors, drawers

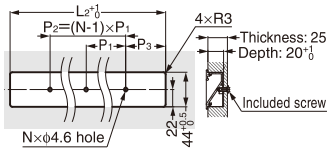
Parts Included
- Cross-recessed truss head screw M4×10 (stainless steel) *for wooden doors

Option
- Bracket for sheet metal HH-W-B (Cross-recessed truss head screw M4 x 8 included)

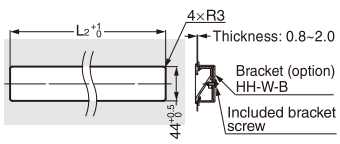
Remarks
- When mounting on sheet metal, use the optional bracket HH-W-B.

No.	Part Name	Material	Finish
①	Handle	Aluminium Alloy	Anodized
②	Cap	Zinc Alloy	Baked Enamel Paint
③	Cross-recessed countersunk tapping screw 2×6	Stainless Steel	Plain
④	Cross-recessed countersunk tapping screw 4×10		

[Cut Out Dimensions] for wooden panels



[Cut Out Dimensions] for sheet metal



[Bracket for Sheet Metal] Optional

Item Code	Item Name	Material	Finish	Weight (g)
100-051-223	HH-W-B	Stainless Steel	Barrel Polished	23

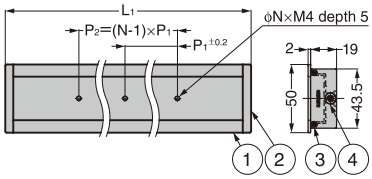
Handle

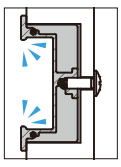
Item Code	Item Name	Colour	L1	L2	P1	P2	P3	N	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-053-876	HH-WS-150BL	Black	150	144	96	96	24	2	160	16	116	20	80
100-053-877	HH-WS-150ST	Stainless Steel										20	80
100-053-878	HH-WS-300BL	Black	300	294	64	192	51	4			203	10	40
100-053-879	HH-WS-300ST	Stainless Steel										10	40
100-053-880	HH-WS-600BL	Black	600	594	160	480	57				377	10	20
100-053-881	HH-WS-600ST	Stainless Steel										10	20
100-053-882	HH-WS-1800BL	Black	1800	1794	192	1728	33	10			1070	10	–
100-053-883	HH-WS-1800ST	Stainless Steel										10	–

LAMP RECESSED PULL HH-WD NEW

Latest Info







Raised edge for better finger grip.

- A simple handle designed with straight lines.
- Has lip on both sides for better finger grip.

TEST METHOD 1 | SCREW

Specifications
- Tightening torque: 1.5 N·m

Application
- Swing doors, drawers

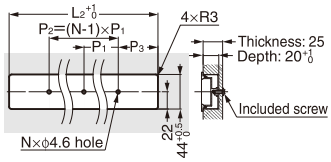
Parts Included
- Cross-recessed truss head screw M4×10 (stainless steel) *for wooden doors

Option
- Bracket for sheet metal HH-W-B (Cross-recessed truss head screw M4 x 8 included)

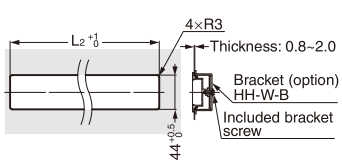
Remarks
- When mounting on sheet metal, use the optional bracket HH-W-B.

No.	Part Name	Material	Finish
①	Handle	Aluminium Alloy	Anodized
②	Cap	Zinc Alloy	Baked Enamel Paint
③	Cross-recessed countersunk tapping screw 2×6	Stainless Steel	Plain
④	Cross-recessed countersunk tapping screw 4×10		

[Cut Out Dimensions] for wooden panels



[Cut Out Dimensions] for sheet metal



[Bracket for Sheet Metal] Optional

Item Code	Item Name	Material	Finish	Weight (g)
100-051-223	HH-W-B	Stainless Steel	Barrel Polished	23

Handle

Item Code	Item Name	Colour	L1	L2	P1	P2	P3	N	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-053-899	HH-WD-150BL	Black	150	144	96	96	24	2	160	16	97	20	80
100-053-900	HH-WD-150ST	Stainless Steel										20	80
100-053-901	HH-WD-300BL	Black	300	294	64	192	51	4			160	10	40
100-053-902	HH-WD-300ST	Stainless Steel										10	40
100-053-903	HH-WD-600BL	Black	600	594	160	480	57				296	10	20
100-053-904	HH-WD-600ST	Stainless Steel										10	20
100-053-905	HH-WD-1800BL	Black	1800	1794	192	1728	33	10			829	10	–
100-053-906	HH-WD-1800ST	Stainless Steel										10	–

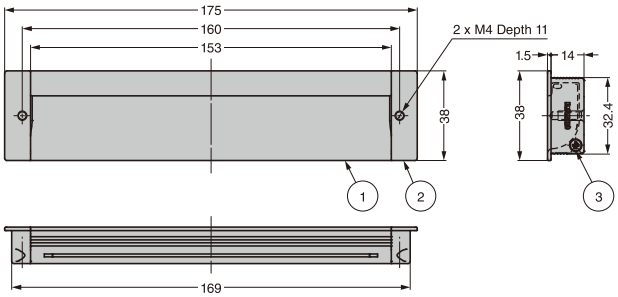
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

RECESSED PULL HH-SF NEW

Latest Info

Under Development





No.	Part Name	Material	Finish
①	Body	Aluminium Alloy	Baked
②	Cap	Zinc Alloy (ZDC)	Paint
③	Countersunk head screw M2.5x8	Stainless Steel	Plain

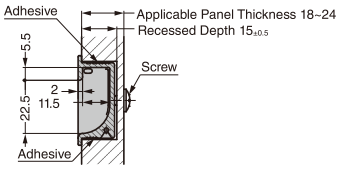
- A pull with a sleek, flat design.
- Features a lip on the edge for better grip.

TEST METHOD20 | SCREW

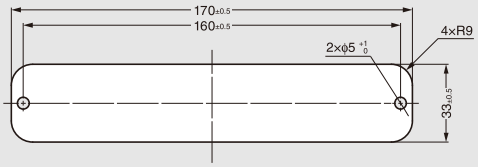
Applications
- Swing Door, Drawer

Parts Included
- Cross-recessed truss head screw M4x14 (Stainless Steel)

Remarks
- Please use adhesive and screws for installation.



Cut Out Dimensions



Item Code	Item Name	Finish/Colour	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
100-054-503	HH-SF-175BL	Baked Enamel Finish/Matte Black	–	–	107	–	–
100-054-504	HH-SF-175ST	Baked Enamel Finish/Stainless	–	–		–	–

*This is a product under development, so the specifications may change.

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 RECESSED PULL XLA-HHA

Latest Info



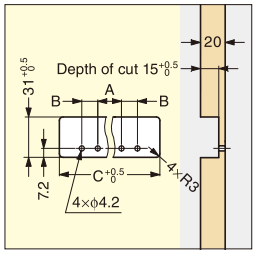
- Long recessed handle available in two sizes: 300 and 600mm.
- Length can be freely changed by cutting the handle to the appropriate length.
- Straight linear design provides a visually appealing design that integrates very easily.
- Custom sizes are available, please contact us for details.

SCREW

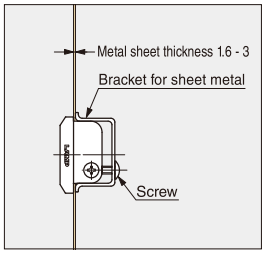
Parts Included
- Truss head screw M4×10 (SUS)

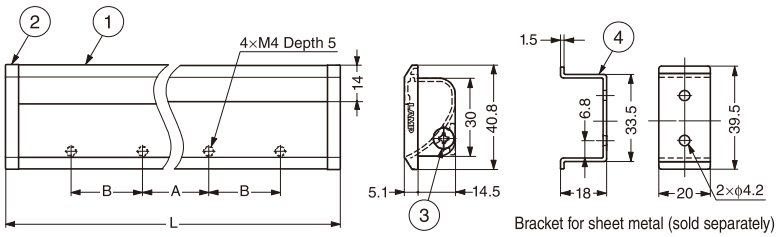
Sold Separately
- Bracket for sheet metal XLA-HHA40B

Cut Out Dimensions (For Wood)



Sheet Metal Mounting Application





No.	Part Name	Material	Finish
①	Body	Aluminium Alloy	Silver Anodized
②	Cover	Zinc Alloy (ZDC)	Chrome
③	Screw	Stainless Steel	-
④	Bracket (Option)	Stainless Steel (SUS430)	Polished

Body

Item Code	Item Name	L	A	B	C	Weight	Box
100-010-190	XLA-HHA300	300	100	50	297	140 g	100 pcs
100-010-191	XLA-HHA600	600	200	150	597	245 g	50 pcs

Bracket for Sheet Metal (Sold Separately)

Item Code	Item Name
100-010-189	XLA-HHA40B

LAMP RECESSED PULL W/ TOGGLE FINGER PROTECTOR HH-P135

Latest Info

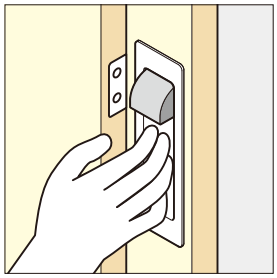


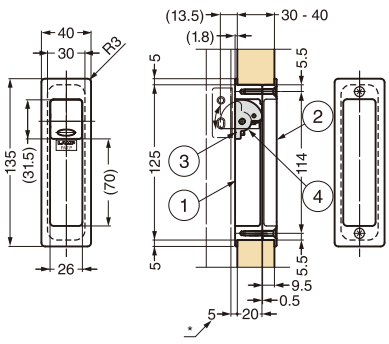
- Recessed pull with finger protector. Finger protector can be toggled on and off. When it is toggled on, the pull protects fingers from being caught inside the pull's recessed area while closing sliding doors.
- When people in wheelchairs are passing, the switch can be toggled off, allowing the sliding door to fully open. This supports barrier-free design.
- Can be used on doors that are between 40-50mm thick. (Requires longer screws)

SCREW

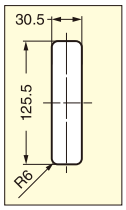
Remarks
- In case using with counter plate, set the gap (*) 7 mm.

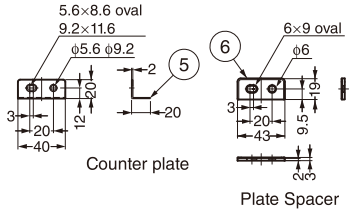
Parts Included
- Countersunk head screw M4×25
- Countersunk head tapping screw 4×20





Cut Out Dimensions





No.	Part Name	Material	Finish/Colour
①	Pull A	Zinc Alloy (ZDC)	Satin Nickel, Chrome, Dull Chrome
②	Pull B		
③	Protector	Polyurethane (PUR)	Black
④	Shaft	Stainless Steel (SUS304)	Plain
⑤	Counter Plate	Steel (SPCC)	Satin Nickel, Chrome, Dull Chrome
⑥	Plate Spacer	ABS	Gray

Item Code	Item Name	Finish	Door Thickness	Weight	Box	Carton
100-010-096	HH-P135SN	Satin Nickel	30 - 40	290 g	5 pcs	50 pcs
100-010-097	HH-P135CR	Chrome	30 - 40	290 g	5 pcs	50 pcs
100-010-098	HH-P135DC	Dull Chrome	30 - 40	290 g	5 pcs	50 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 RECESSED PULL YK-70

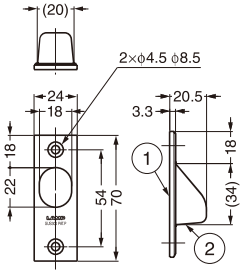
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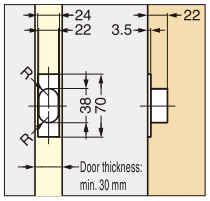
SUS SCREW

Parts Included

- Countersunk head tapping screw 4×20 (SUS)



Cut Out Dimensions



No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Case	Stainless Steel (SUS304)	Plain

Item Code	Item Name	Weight	Box	Carton
100-010-390	YK-70	37 g	20 pcs	200 pcs

LAMP. STAINLESS STEEL RECESSED PULL YK-W100

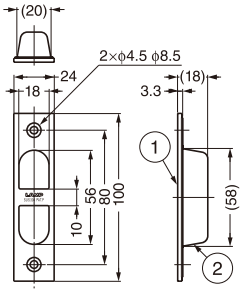
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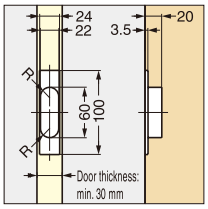
SUS SCREW

Parts Included

- Countersunk head tapping screw 4×20 (SUS)



Cut Out Dimensions



No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Case	Stainless Steel (SUS304)	Plain

Item Code	Item Name	Weight	Box	Carton
100-010-391	YK-W100	45 g	20 pcs	160 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 HATCH PULL HR

Latest Info

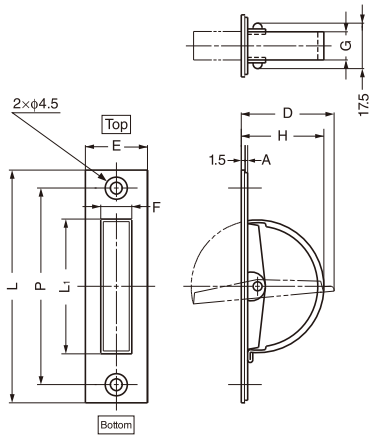


TEST METHOD 2 | SUS | SCREW

Parts Included

- HR-90S: Countersunk head wood screw 3.5×22 (SUS)
- HR-110S & HR-135S: Countersunk head wood screw 3.5×25 (SUS)

Feature



Item Code	Item Name	Material	Finish	L	L1	P	H	D	A	E	F	G	Load Capacity		Weight	Box	Carton
100-012-614	HR-90S	Stainless Steel (SUS304)	Satin	90	52	76	32	36	1	24	12	11	127 N	13 kgf	49 g	30 pcs	300 pcs
100-012-615	HR-110S	Stainless Steel (SUS304)	Satin	110	64	94	38	42	1	24	12	11	98 N	10 kgf	59 g	20 pcs	200 pcs
100-012-817	HR-135S	Stainless Steel (SUS304)	Satin	135	90	115	50	55	1.2	25	12.2	12	74 N	7.5 kgf	88 g	15 pcs	150 pcs

LAMP STAINLESS STEEL HATCH PULL HR-RS

Latest Info

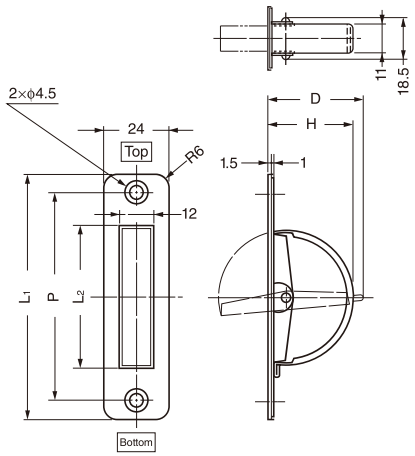


TEST METHOD 2 | SUS | SCREW

Parts Included

- Countersunk head wood screw 3.5×22 (SUS)

Feature



Item Code	Item Name	Material	Finish	L1	L2	P	H	D	Load Capacity		Weight	Box	Carton
100-019-058	HR-90RS	Stainless Steel (SUS304)	Satin	90	52	76	32	36	127 N	13 kgf	46 g	30 pcs	300 pcs
100-019-059	HR-110RS	Stainless Steel (SUS304)	Satin	110	64	94	38	42	98 N	10 kgf	55 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. STAINLESS STEEL HATCH PULL ST-90, ST-115

Latest Info



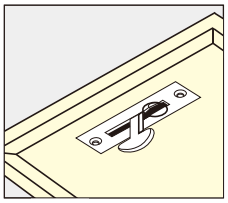
- Can be used vertically, on the ceiling or on the ground. Has a wide variety of potential applications.
- Uses a built in spring to hold in place, protecting it from unintentional movements from vibrations.

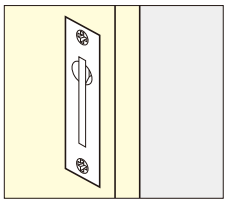
SUS SCREW

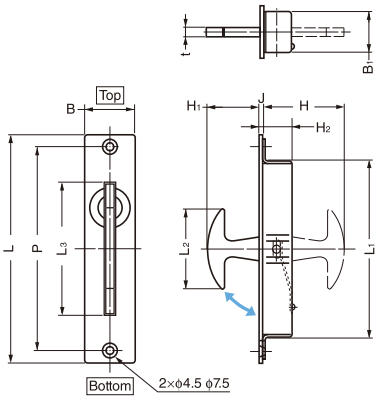
Parts Included
- Countersunk head wood screw (SUS)

Feature

Application Example







Item Code	Item Name	Material	Finish	L	L1	L2	L3	H	H1	H2	J	B	B1	t	P	Screw	Weight	Box	Carton
100-010-240	ST-90	Stainless Steel (SUS304)	Satin	90	66.2	30.2	57	35.5	23.2	10.5	2.2	22	18.5	3.8	80	3.5×22	68 g	30 pcs	300 pcs
100-010-241	ST-115	Stainless Steel (SUS304)	Satin	115	86.2	40	67	42	26	13	2.5	25	20	4	102	3.5×25	102 g	20 pcs	200 pcs

LAMP. STAINLESS STEEL HATCH PULL ST-80, ST-100

Latest Info

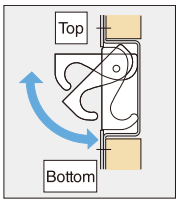


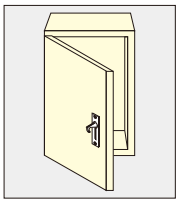
SUS SCREW

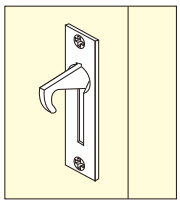
Parts Included
- Countersunk head wood screw (SUS)

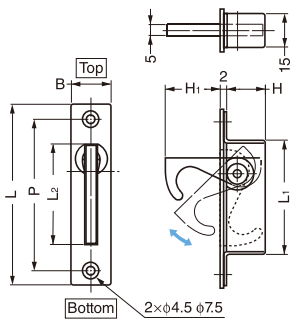
Feature

Application Example









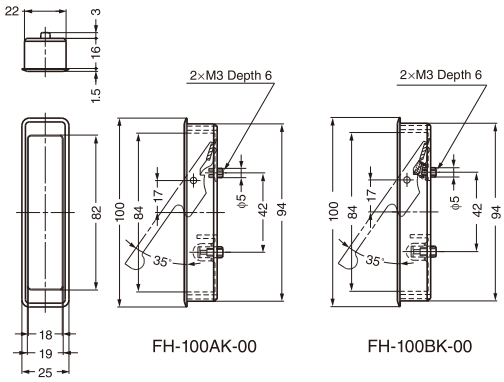
Item Code	Item Name	Material	Finish	L	L1	L2	H	H1	B	P	Screw	Weight	Box	Carton
100-010-244	ST-80	Stainless Steel (SUS304)	Satin	80	50	44	18	25	18	68	3.5×16	48 g	30 pcs	300 pcs
100-010-245	ST-100	Stainless Steel (SUS304)	Satin	100	63	54	21	32	20	85	3.5×20	66 g	20 pcs	200 pcs

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 RECESSED LEVER PULL FH-100AK, FH-100BK

Latest Info



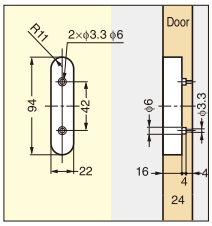


- FH-100AK (Stay type) will stay open even after the fingers are not longer holding the lever.
- FH-100BK (Return type) will automatically close after fingers are not holding the lever.
- Recommended for doors over 25mm thick.
- When installing on sheet metal, please prepare a separate bracket for sheet metal.

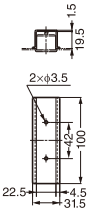
SCREW

Parts Included
- Truss head screw M3×12

Cut Out Dimensions



Bracket for Sheet Metal (example)



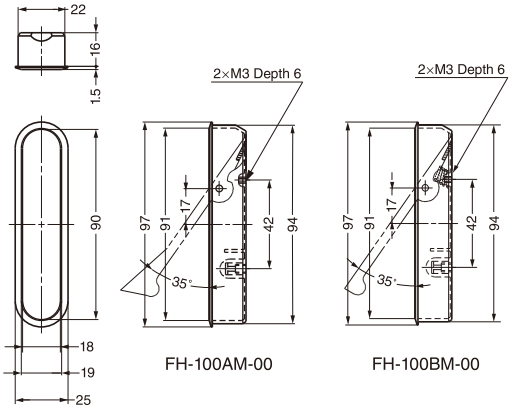
Feature

Item Code	Item Name	Material	Finish		Weight	Box	Carton
			Body	Handle			
100-010-251	FH-100AK-00	Zinc Alloy (ZDC)	Nickel	Satin Nickel	105 g	12 pcs	72 pcs
100-010-252	FH-100BK-00	Zinc Alloy (ZDC)	Nickel	Satin Nickel	105 g	12 pcs	72 pcs

LAMP RECESSED LEVER PULL FH-100AM, FH-100BM

Latest Info



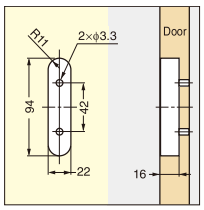


- FH-100AM (Stay type) will stay open after fingers are no longer holding the lever.
- FH-100BM (Return type) will automatically close after fingers are not holding the lever.
- Recommended for doors over 25mm thick.
- When installing on sheet metal, please prepare a separate bracket for sheet metal.

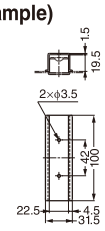
SCREW

Parts Included
- Truss head screw M3×14

Cut Out Dimensions



Bracket for Sheet Metal (example)



Feature

Item Code	Item Name	Material	Finish		Weight	Box	Carton
			Body	Handle			
100-010-444	FH-100AM-00	Zinc Alloy (ZDC)	Nickel	Satin Nickel	103.5 g	12 pcs	72 pcs
100-010-445	FH-100BM-00	Zinc Alloy (ZDC)	Nickel	Satin Nickel	103.5 g	12 pcs	72 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.

BRASS RING PULL 587

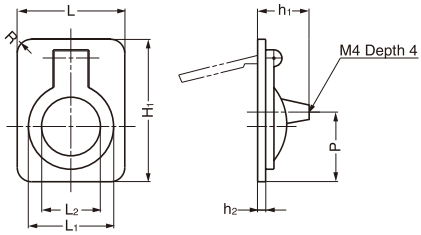
Latest Info



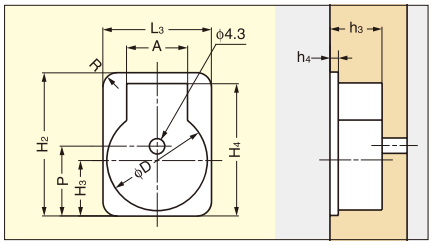
SCREW

Parts Included

- M4x25 truss head screw



Cut Out Dimensions



Item Code	Item Name	Material	Finish	L	L1	L2	H1	h1	h2	P	L3	H2	H3	H4	A	D	h3	h4	R	Weight	Box
100-016-010	587-40WB	Brass	Satin Nickel	30.5	24	16.5	40.3	13.6	2	20.6	30.5	40.3	16	39	18	28	15	2	4	40 g	100 pcs
100-016-011	587-40SB	Brass	Satin	30.5	24	16.5	40.3	13.6	2	20.6	30.5	40.3	16	39	18	28	15	2	4	40 g	100 pcs
100-016-014	587-50WB	Brass	Satin Nickel	38	30.5	21	51	14	2.5	25.5	38	51	21	48.5	21	35	15	2.5	6	59 g	50 pcs
100-016-015	587-50SB	Brass	Satin	38	30.5	21	51	14	2.5	25.5	38	51	21	48.5	21	35	15	2.5	6	59 g	50 pcs
100-016-018	587-60WB	Brass	Satin Nickel	47.5	36	24.5	60	15.5	2.5	30	47.5	60	23.5	55	21	41.5	16.5	2.5	6.5	86 g	50 pcs
100-016-019	587-60SB	Brass	Satin	47.5	36	24.5	60	15.5	2.5	30	47.5	60	23.5	55	21	41.5	16.5	2.5	6.5	86 g	50 pcs

BRASS RING PULL 587B

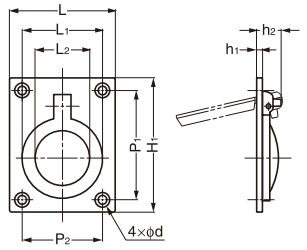
Latest Info



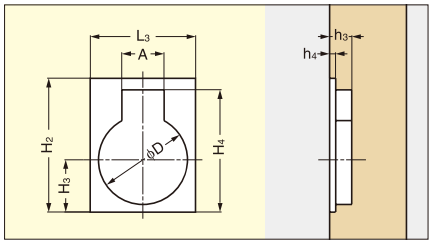
SCREW

Parts Included

- Slotted countersunk head wood screw 3.1x20



Cut Out Dimensions



Item Code	Item Name	Material	Finish	L	L1	L2	H1	P1	P2	P3	d	h1	h2	L3	H2	H3	H4	H5	A	D	h3	h4	Weight	Box
100-016-012	587B-40WB	Brass	Satin Nickel	30.5	24	16.5	40.3	32	22	11.85	3.5	2	11	30.5	40.3	16	39	32	18	28	13	2	28 g	100 pcs
100-016-013	587B-40SB	Brass	Satin	30.5	24	16.5	40.3	32	22	11.85	3.5	2	11	30.5	40.3	16	39	32	18	28	13	2	28 g	100 pcs
100-016-016	587B-50WB	Brass	Satin Nickel	38	30.5	21	51	41	28	15.5	4	2.5	12.7	38	51	21	48.5	41	21	35	15	2.5	54 g	50 pcs
100-016-017	587B-50SB	Brass	Satin	38	30.5	21	51	41	28	15.5	4	2.5	12.7	38	51	21	48.5	41	21	35	15	2.5	54 g	50 pcs
100-016-020	587B-60WB	Brass	Satin Nickel	47.5	36	24.5	60	49	36	18	4	2.5	13	47.5	60	23.5	55	49	21	41.5	14	2.5	80 g	50 pcs
100-016-021	587B-60SB	Brass	Satin	47.5	36	24.5	60	49	36	18	4	2.5	13	47.5	60	23.5	55	49	21	41.5	14	2.5	80 g	50 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.

BRASS RING PULL 580

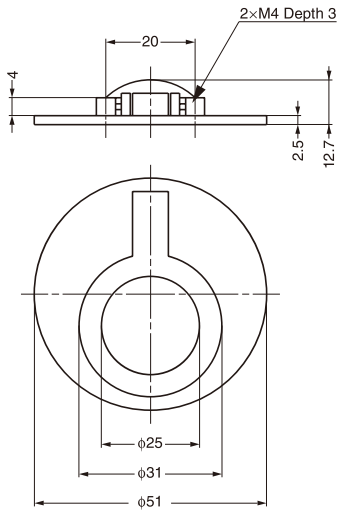
Latest Info



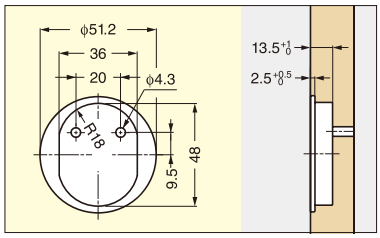
SCREW

Parts Included

- M4x25 truss head screw



Cut Out Dimensions



Item Code	Item Name	Material	Finish	Weight	Box
100-016-025	580-WB	Brass	Satin Nickel	62 g	50 pcs
100-016-026	580-SB	Brass	Satin	62 g	50 pcs

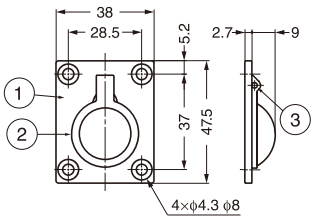
SELECTION GUIDE
HANDLES
PULLS
RECESSED PULLS
HATCH PULLS
TRUNK HANDLES
KNOBS
DOOR HANDLES & KNOBS

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 RING PULL 26900

Latest Info

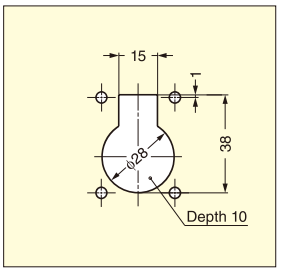




SUS316

Recommended Screw
- Countersunk head tapping screw 3.5

Cut Out Dimensions



No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SCS14)	Mirror
②	Handle		
③	Pin	Stainless Steel (SUS304)	Plain

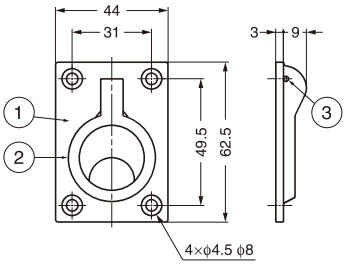
Item Code	Item Name	Material	Finish	Weight(g)	Box(pcs)	Carton(pcs)
100-096-009	26900	Stainless Steel (SCS14)	Mirror	45	20	100

*SCS14 is equivalent of SUS316.

STAINLESS STEEL RING PULL 26901

Latest Info

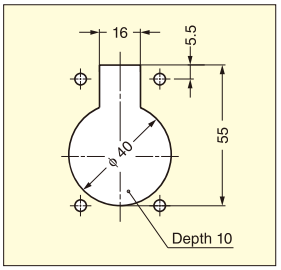




SUS316

Recommended Screw
- Countersunk head tapping screw 3.5

Cut Out Dimensions



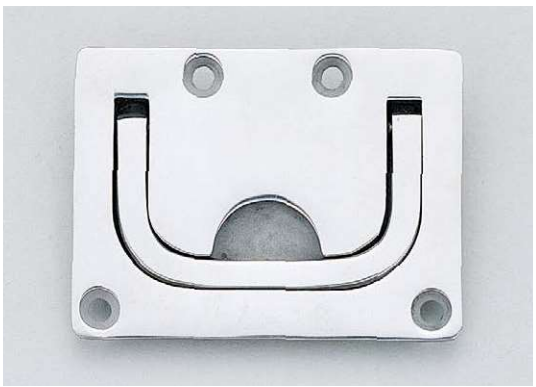
No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SCS14)	Mirror
②	Handle		
③	Pin	Stainless Steel (SUS304)	Plain

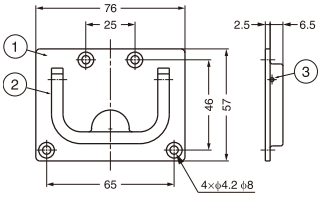
Item Code	Item Name	Material	Finish	Weight(g)	Box(pcs)	Carton(pcs)
100-096-010	26901	Stainless Steel (SCS14)	Mirror	85	20	100

*SCS14 is equivalent of SUS316.

STAINLESS STEEL RING PULL 26700

Latest Info

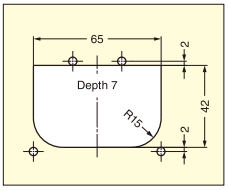




SUS316

Recommended Screw
- Countersunk head tapping screw 3.5

Cut Out Dimensions



No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SCS14)	Mirror
②	Handle		
③	Pin	Stainless Steel (SCS14), Stainless Steel (SUS304)	Plain

Item Code	Item Name	Material	Finish	Weight(g)	Box(pcs)	Carton(pcs)
100-096-011	26700	Body and Handle: Stainless Steel SCS14 pin: Stainless Steel SUS14	Mirror	120	10	100
100-043-251	26700-1	All Stainless Steel SCS14		-		

*SCS14 is equivalent of SUS316.

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 RING PULL 980640

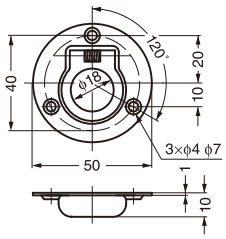
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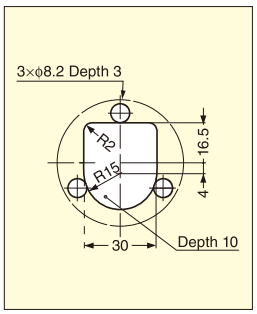
- Spring powered to automatically close when hands are removed.

SUS | TEST METHOD 2

SCREW



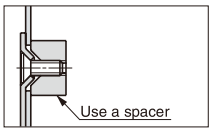
Cut Out Dimensions



Parts Included

- Tapping screw 3x16 (SUS)

For Sheet Metal



Item Code	Item Name	Material	Finish	Load Capacity		Weight	Box
100-011-740	980640	Stainless Steel (SUS304)	Mirror	196 N	20 kgf	23 g	10 pcs

STAINLESS STEEL RING PULL 980641, 980642

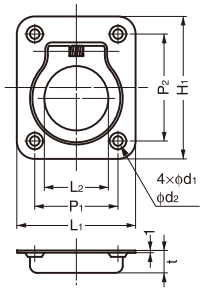
Latest Info



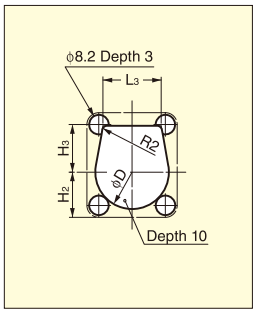
- Spring powered to automatically close when hands are removed.

SUS | TEST METHOD 2

SCREW



Cut Out Dimensions

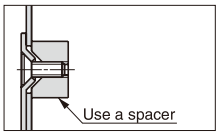


Feature

Parts Included

- 980641: Tapping screw 3x16 (SUS)
- 980642: Tapping screw 3.5x16 (SUS)

For Sheet Metal



Item Code	Item Name	Material	Finish	L1	L2	L3	H1	H2	H3	D	t	P1	P2	d1	d2	Load Capacity		Weight	Box
100-011-737	980641	Stainless Steel (SUS304)	Mirror	38	18	24.5	44	19	19.5	31	10	28	34	4	6.2	196 N	20 kgf	21 g	10 pcs
100-011-738	980642	Stainless Steel (SUS304)	Mirror	50	27	25	60	25	25	41	9.5	35	45	4.4	7	245 N	25 kgf	36 g	10 pcs

STAINLESS STEEL RING PULL 980643

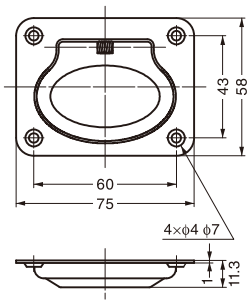
Latest Info



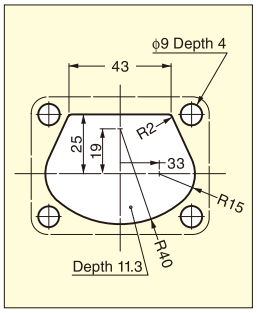
- Spring powered to automatically close when hands are removed.

SUS | TEST METHOD 2

SCREW



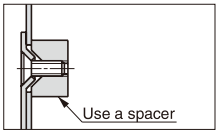
Cut Out Dimensions



Parts Included

- Tapping screw 3.5x16 (SUS)

For Sheet Metal



Item Code	Item Name	Material	Finish	Load Capacity		Weight	Box
100-011-739	980643	Stainless Steel (SUS304)	Mirror	245 N	25 kgf	51 g	10 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 TRUNK HANDLE HCT-150

Latest Info



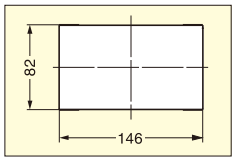
- Spring powered to automatically close when hands are removed.

SUS316 | SCREW

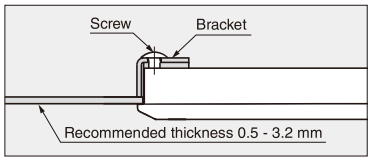
Parts Included

- M5x12 truss head screw (SUS)
- Bracket for sheet metal (SUS)

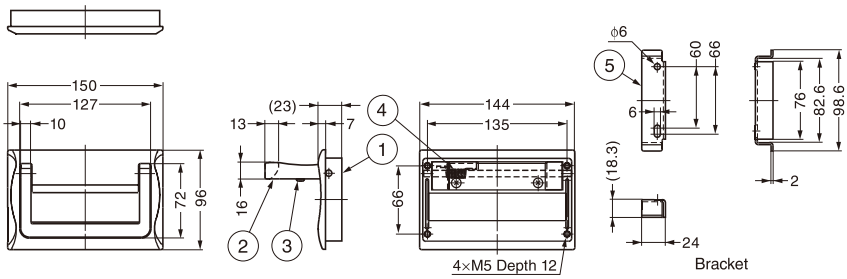
Cut Out Dimensions



Sheet Metal Mounting Application



Feature Feature



No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SCS14)	Mirror
②	Handle	Stainless Steel (SCS14)	Mirror
③	Bumper	Ethylene Propylene Rubber (EPDM)	Black
④	Spring	Stainless Steel (SUS316)	–
⑤	Bracket for Sheet Metal	Stainless Steel (SUS316)	Mirror

*SCS14 is equivalent of SUS316.

Item Code	Item Name	Load Capacity		Weight	Box	Carton
100-017-557	HCT-150	980 N	100 kgf	990 g	5 pcs	20 pcs

LAMP TRUNK HANDLE TMU-115

Latest Info



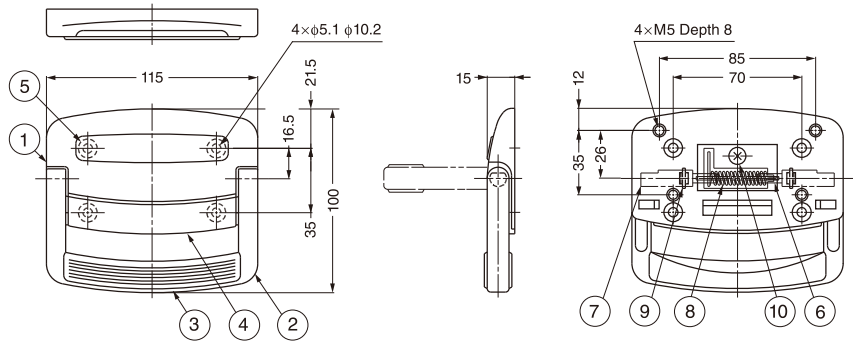
- Can be front or back mounted.
- Spring powered to automatically close when hands are removed.
- A smaller type (TMU-100) is also available. Please contact us for details.

TEST METHOD 1 | SCREW

Parts Included

- For back mount: M5x6 truss head screw
- For surface mount: Countersunk head wood screw 4.8x25 and 4.8x20

Feature



No.	Part Name	Material	Finish/Colour
①	Body	Zinc Alloy (ZDC)	Chrome
②	Handle	Zinc Alloy (ZDC)	Chrome
③	Grip	Elastomer (TPE)	Black
④	Case Cover 1	Elastomer (TPE)	Black
⑤	Case Cover 2	Elastomer (TPE)	Black
⑥	Back Cover	Steel	Yellow Zinc Chromate
⑦	Shaft	Zinc Alloy (ZDC)	Nickel
⑧	Spring	Steel	Yellow Zinc Chromate
⑨	Pivot Ring	–	5103-31
⑩	Screw	Steel	Yellow Zinc Chromate

Item Code	Item Name	Load Capacity		Weight	Box	Carton
100-901-273	TMU-115	392 N	40 kgf	460 g	10 pcs	40 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. TRUNK HANDLE MUD-140

Latest Info

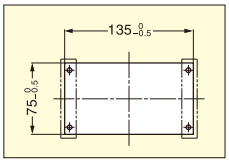


- Spring powered to automatically close when hands are removed.

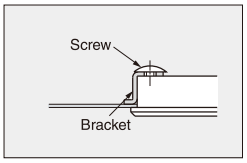
TEST METHOD 1 | SCREW

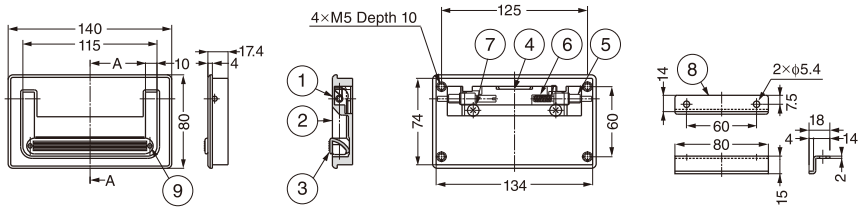
Parts Included
- M5x8 truss head screw

Cut Out Dimensions



Mounting Application





No.	Part Name	Material	Finish/Colour
①	Body	Zinc Alloy (ZDC)	Chrome
②	Handle	Zinc Alloy (ZDC)	Chrome
③	Grip	Elastomer (TPE)	Black
④	Back Cover	Steel (SPCC)	Yellow Zinc Chromate
⑤	Shaft	Zinc Alloy (ZDC)	Yellow Zinc Chromate
⑥	Spring	Steel (SWPB)	Yellow Zinc Chromate
⑦	Screw	Steel (SWCH)	–
⑧	Bracket	Steel (SPCC)	Yellow Zinc Chromate
⑨	Screw	Stainless Steel	Black

Item Code	Item Name	Load Capacity		Weight	Box	Carton
100-901-272	MUD-140	294 N	30 kgf	620 g	5 pcs	20 pcs

LAMP. TRUNK HANDLE PT-148

Latest Info

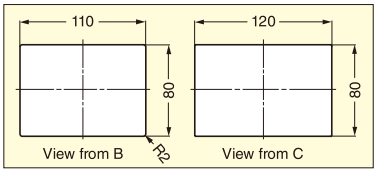


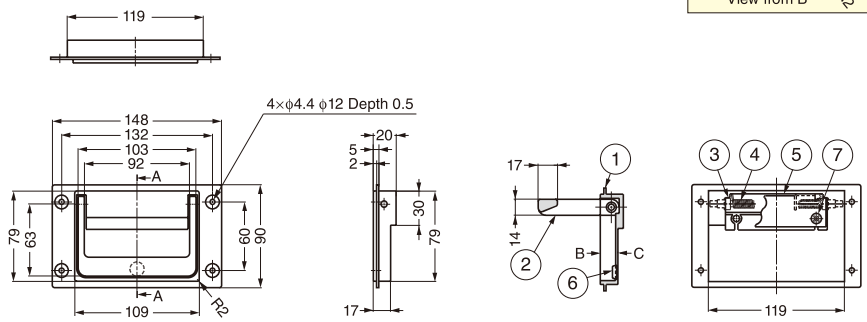
- Spring powered to automatically close when hands are removed.

TEST METHOD 1

Feature

Cut Out Dimensions





No.	Part Name	Material	Finish/Colour
①	Body	Zinc Alloy (ZDC)	Grey
②	Handle	Zinc Alloy (ZDC)	Grey
③	Shaft	Steel	Plain
④	Spring	Steel	Clear Zinc Chromate
⑤	Back Cover	Steel	Yellow Zinc Chromate
⑥	Bumper	Polyurethane (PUR)	Clear
⑦	Countersunk Head Screw	Steel	Yellow Zinc Chromate

Item Code	Item Name	Load Capacity		Weight	Box
100-019-183	PT-148	490 N	50 kgf	645 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.

Zwei L. STAINLESS STEEL KNOB ZL-1901

Latest Info

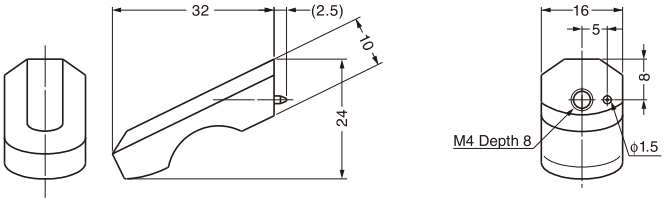


- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- When combined with ZL-2302 (sold separately), can be used on glass.

SUS316 | SCREW

Concept

Parts Included
- M4x25 truss head screw (SUS)



Item Code	Item Name	Material	Finish	Weight	Box
100-011-010	ZL-1901	Stainless Steel (SUS316)	Zwei L Finish	34 g	8 pcs

Zwei L. STAINLESS STEEL KNOB ZL-1902

Latest Info

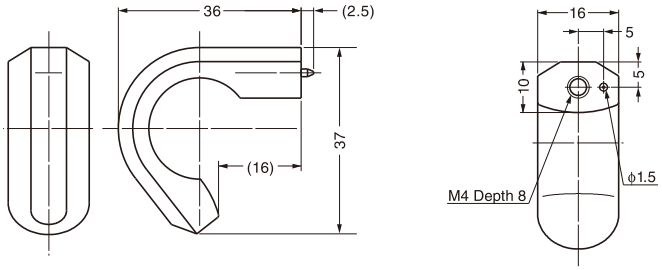


- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- When combined with ZL-2302 (sold separately), can be used on glass.

SUS316 | SCREW

Concept

Parts Included
- M4x25 truss head screw (SUS)



Item Code	Item Name	Material	Finish	Weight	Box
100-011-011	ZL-1902	Stainless Steel (SUS316)	Zwei L Finish	52 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.

Zwei L STAINLESS STEEL KNOB ZL-1903

Latest Info

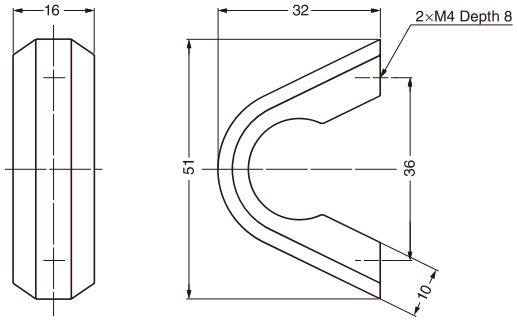


- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- When combined with ZL-2302 (sold separately), can be used on glass.

SUS316 SCREW

Concept

Parts Included
- M4x25 truss head screw (SUS)



Item Code	Item Name	Material	Finish	Weight	Box
100-011-012	ZL-1903	Stainless Steel (SUS316)	Zwei L Finish	58 g	8 pcs

Zwei L STAINLESS STEEL KNOB ZL-1904

Latest Info

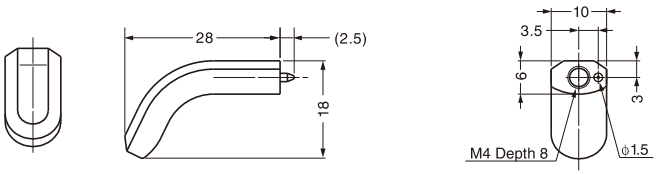


- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- When combined with ZL-2302 (sold separately), can be used on glass.

SUS316 SCREW

Concept

Parts Included
- M4x25 truss head screw (SUS)



Item Code	Item Name	Material	Finish	Weight	Box
100-011-013	ZL-1904	Stainless Steel (SUS316)	Zwei L Finish	12 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.

SELECTION GUIDE
HANDLES
PULLS
RECESSED PULLS
HATCH PULLS
TRUNK HANDLES
KNOBS
DOOR HANDLES & KNOBS

Zwei L. STAINLESS STEEL KNOB ZL-1905

Latest Info

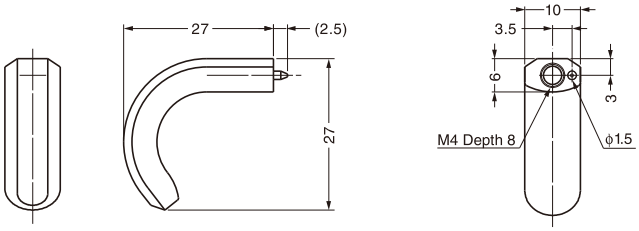


- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- When combined with ZL-2302 (sold separately), can be used on glass.

SUS316 | SCREW

Concept

Parts Included
- Truss head screw M4×25 (SUS)



Item Code	Item Name	Material	Finish	Weight	Box
100-011-014	ZL-1905	Stainless Steel (SUS316)	Zwei L Finish	15 g	8 pcs

Zwei L. KNOB BASE ZL-2302

Latest Info



Knob is sold separately.

- Zwei L series glass bracket for Zwei L knobs ZL-1901, ZL-1902, ZL-1903, ZL-1904, ZL-1905.
- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Compatible glass thickness: 4 - 6 mm

SUS316 | SCREW

Concept

Plate + Screw Set for ZL-1904 and ZL-1905 Knobs (ϕ16)

Item Code	Item Name
100-010-976	ZL-2302-1916

No.	Part Name	Material	Finish/Colour	Box
①	Base Plate ϕ16	Stainless Steel (SUS316)	Zwei L Finish	1 pc
③	Gasket ϕ14	Elastomer (TPE)	Plain	2 pcs
⑤	Screw M4×16	Stainless Steel	Partially Zwei L Finish	1 pc

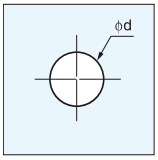
Plate + Screw Set for ZL-1901 and ZL-1903 Knobs (ϕ25)

Item Code	Item Name
100-010-977	ZL-2302-1925

No.	Part Name	Material	Finish/Colour	Box
②	Base Plate ϕ25	Stainless Steel(SUS316)	Zwei L Finish	1 pc
③	Gasket ϕ14	Elastomer(TPE)	Plain	1 pc
④	Gasket ϕ20	Elastomer(TPE)	Plain	1 pc
⑤	Screw M4×16	Stainless Steel	Partially Zwei L Finish	1 pc

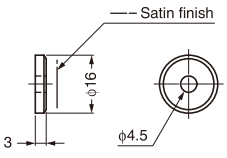
*2 sets are necessary in use for ZL-1903.

Cut Out Dimensions

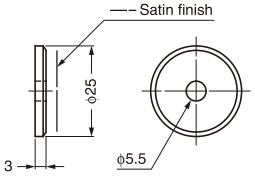


Glass thickness 4, 5 : d=5
Glass thickness 6 : d=6

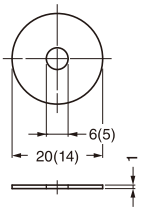
①Base plate ϕ16



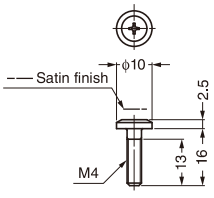
②Base plate ϕ25



③Gasket ϕ14
④Gasket ϕ20



⑤Screw M4×16



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.

Zwei L STAINLESS STEEL KNOB ZL-1907-24

Latest Info

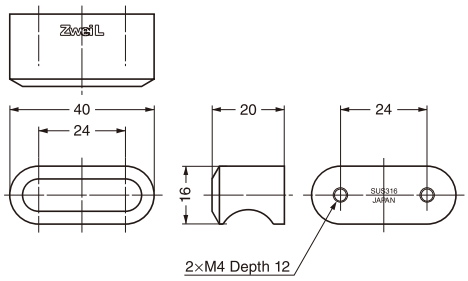


- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Can be used on either wood or tempered glass.
- XL-1504 is a door knob with the same type of design.

SUS316 | TEMPERED GLASS | SCREW

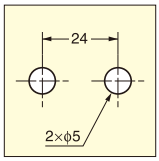
Concept

Parts Included
- For wooden doors : 16 - 23 mm : Screw M4×28 (SUS)
- For glass doors : 4, 5, 6 mm : Screw M4×16 (SUS)
- Gasket

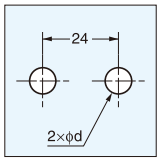


Cut Out Dimensions

Wooden doors



Glass doors



Thickness 4, 5 : d=5
Thickness 6 : d=6

Item Code	Item Name	Material	Finish	Weight
100-011-016	ZL-1907-24	Stainless Steel (SUS316)	Zwei L Finish	78 g

Zwei L STAINLESS STEEL KNOB ZL-2503

Latest Info

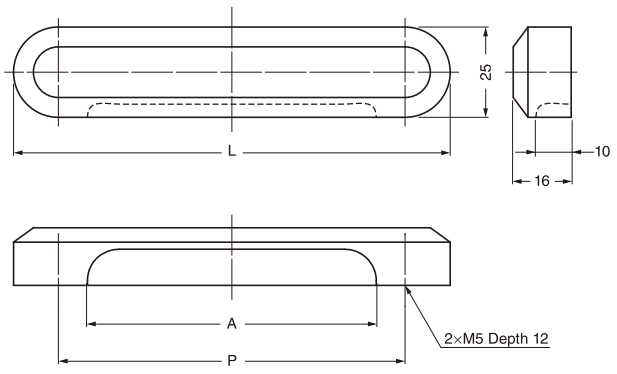


- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Also available in the same design is ZL-1505 which can be attached to glass.

SUS316 | SCREW

Concept

Parts Included
- Screw M5×28 (SUS)



Item Code	Item Name	Material	Finish	L	P	A	Weight	Box
100-010-975	ZL-2503-96	Stainless Steel (SUS316)	Zwei L Finish	121	96	84	334 g	4 pcs
100-010-974	ZL-2503-160	Stainless Steel (SUS316)	Zwei L Finish	185	160	148	496 g	2 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.

Zwei L. STAINLESS STEEL KNOB ZL-1909

Latest Info



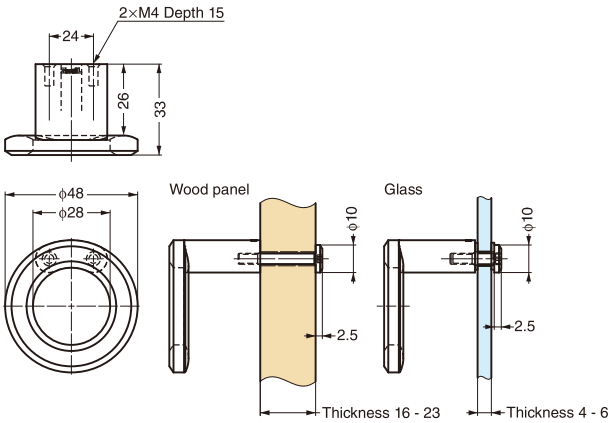
- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Can be used on either wood or tempered glass.
- XL-2105 is a hook with the same type of design.

SUS316 | TEMPERED GLASS | SCREW

Concept

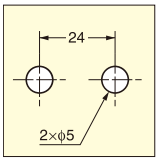
Parts Included

- For wooden doors : 16 - 23 mm : Screw M4×28 (SUS)
- For glass doors : 4, 5, 6 mm : Screw M4×16 (SUS)
- Gasket

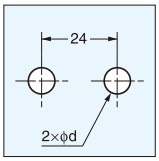


Cut Out Dimensions

Wooden doors



Glass doors



Thickness 4, 5 : d=5
Thickness 6 : d=6

Item Code	Item Name	Material	Finish	Weight
100-022-171	ZL-1909	Stainless Steel (SUS316)	Zwei L Finish	97 g

Zwei L. STAINLESS STEEL KNOB ZL-1910

Latest Info



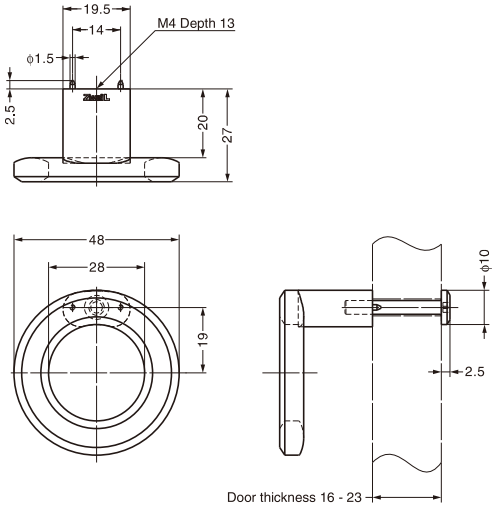
- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Built in screw-in type knob.
- Also available in the same design is ZL-1909 which can be attached to glass. ZL-2105 is a hook with the same design.

SUS316 | SCREW

Concept

Parts Included

- Truss head screw M4×28 (SUS)



Item Code	Item Name	Material	Finish	Weight	Box
100-024-596	ZL-1910	Stainless Steel (SUS316)	Zwei L Finish	85 g	1 pc

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.

Zwei L STAINLESS STEEL KNOB ZL-1906

Latest Info



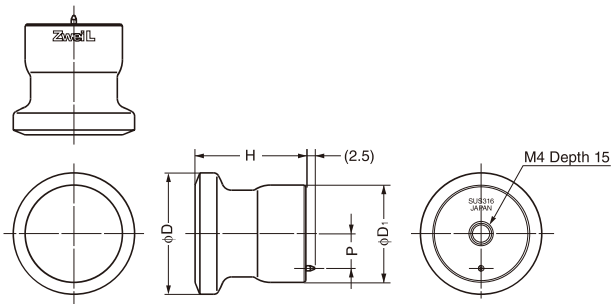
- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Can be used on either wood or tempered glass.
- ZL-1503 is a door knob with the same type of design.

SUS316 | TEMPERED GLASS | SCREW

Concept

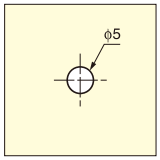
Parts Included

- For woodedn doors : 16 - 23 mm : Screw M4×28 (SUS)
- For glass doors : 4, 5, 6 mm : Screw M4×16 (SUS)
- Gasket

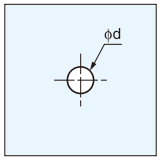


Cut Out Dimensions

Wooden doors



Glass doors



Thickness 4, 5 : d=5
Thickness 6 : d=6

Item Code	Item Name	Material	Finish	H	D	D_1	P	Weight
100-011-019	ZL-1906-20	Stainless Steel (SUS316)	Zwei L Finish	20	20	16	5	32 g
100-011-018	ZL-1906-28	Stainless Steel (SUS316)	Zwei L Finish	26	28	22.5	8	83 g
100-011-017	ZL-1906-36	Stainless Steel (SUS316)	Zwei L Finish	32	36	28	10	165 g

LAMP STAINLESS STEEL PULL SD

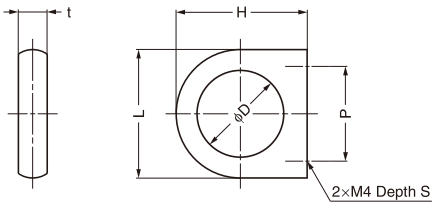
Latest Info



SUS | SCREW

Parts Included

- Truss head screw M4×25 (SUS)



Item Code	Item Name	Material	Finish	L	H	t	D	P	S	Weight	Box	Carton
100-015-022	SD-24S	Stainless Steel (SCS13)	Satin	24.5	25	5.5	16.5	18	5	10 g	80 pcs	800 pcs
100-015-023	SD-24M	Stainless Steel (SCS13)	Mirror	24.5	25	5.5	16.5	18	5	10 g	80 pcs	800 pcs
100-015-020	SD-30S	Stainless Steel (SCS13)	Satin	30.5	31.5	6.5	20.5	21	6	22 g	50 pcs	500 pcs
100-015-021	SD-30M	Stainless Steel (SCS13)	Mirror	30.5	31.5	6.5	20.5	21	6	22 g	50 pcs	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.

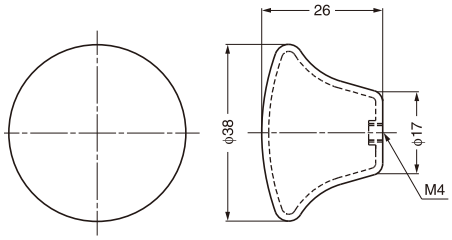
LAMP STAINLESS STEEL KNOB RS-38S

Latest Info



SUS | SCREW

Parts Included
- Truss head screw M4×30 (SUS)



Item Code	Item Name	Material	Finish	Weight	Box	Carton
100-011-198	RS-38S	Stainless Steel (SUS304)	Satin	20 g	20 pcs	200 pcs

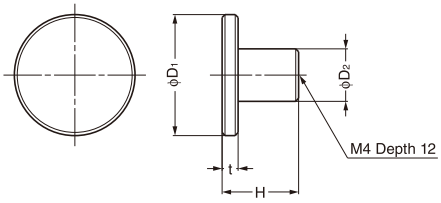
LAMP KNOB EXSEL

Latest Info



SCREW

Parts Included
- Truss head screw M4×25



Item Code	Item Name	Material	Finish	D_1	D_2	H	t	Weight	Box	Carton
100-012-080	EXSEL20	Aluminium Alloy	Stainless Anodized	20	10	18	4	5 g	48 pcs	1152 pcs
100-012-081	EXSEL25	Aluminium Alloy	Stainless Anodized	25	11	18.5	4.5	8.5 g	48 pcs	1152 pcs
100-012-082	EXSEL30	Aluminium Alloy	Stainless Anodized	30	12	19	5	15 g	48 pcs	1152 pcs
100-012-083	EXSEL35	Aluminium Alloy	Stainless Anodized	35	13	19	5	16.5 g	24 pcs	576 pcs
100-050-636	EXSEL20BL	Aluminium Alloy	Black Anodized	20	10	18	4	5 g	48 pcs	1152 pcs
100-050-637	EXSEL25BL	Aluminium Alloy	Black Anodized	25	11	18.5	4.5	8.5 g	48 pcs	1152 pcs
100-050-638	EXSEL30BL	Aluminium Alloy	Black Anodized	30	12	19	5	15 g	48 pcs	1152 pcs
100-050-639	EXSEL35BL	Aluminium Alloy	Black Anodized	35	13	19	5	16.5 g	24 pcs	576 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 KNOB DW-50N

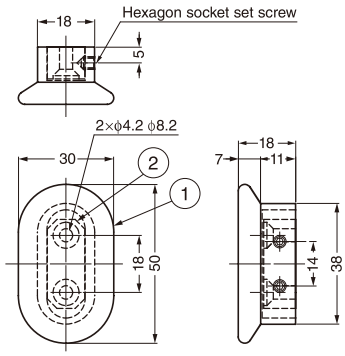
Latest Info



- Includes insert block and set screw for surface mounting.

SCREW

Parts Included
- Countersunk head screw M4×20 (SUS)



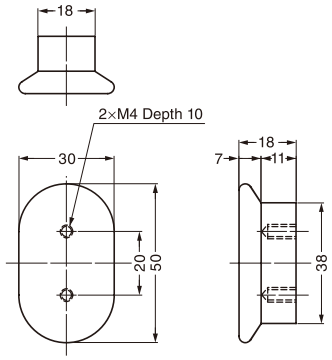
No.	Part Name	Finish
①	Body	Satin Chrome
②	Base	Plain

Item Code	Item Name	Material	Weight	Box
100-010-005	DW-50N	Brass	130 g	20 pcs

LAMP KNOB DW-50

Latest Info



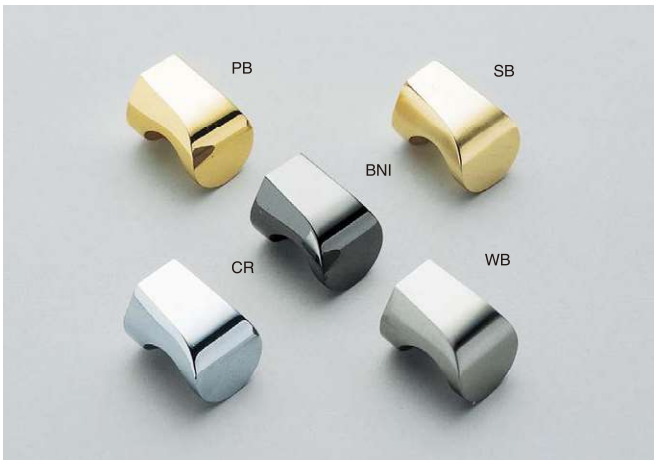


Item Code	Item Name	Material	Finish	Weight	Box
100-017-633	DW-50	Brass	Satin Chrome	130 g	20 pcs

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.

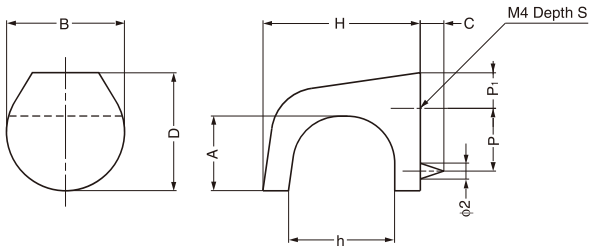
LAMP. DIE CAST MODERN KNOB MKZ

Latest Info



SCREW

Parts Included
- Truss head screw M4×25



Item Code	Item Name	Material	Finish	D	A	B	C	H	h	P	P_1	S	Weight	Box	Carton
100-018-042	MKZ-15PB	Zinc Alloy (ZDC)	Brass/Clear	16	8	15	2	20	13.5	8	5.5	6	11 g	50 pcs	500 pcs
100-018-043	MKZ-15CR	Zinc Alloy (ZDC)	Chrome	16	8	15	2	20	13.5	8	5.5	6	11 g	50 pcs	500 pcs
100-018-044	MKZ-15BNI	Zinc Alloy (ZDC)	Black Nickel	16	8	15	2	20	13.5	8	5.5	6	11 g	50 pcs	500 pcs
100-018-045	MKZ-15WB	Zinc Alloy (ZDC)	Satin Nickel	16	8	15	2	20	13.5	8	5.5	6	11 g	50 pcs	500 pcs
100-018-046	MKZ-15SB	Zinc Alloy (ZDC)	Satin Gold	16	8	15	2	20	13.5	8	5.5	6	11 g	50 pcs	500 pcs
100-018-047	MKZ-21PB	Zinc Alloy (ZDC)	Brass/Clear	21	12.5	20	3	26	17	12	4.5	7	29 g	50 pcs	500 pcs
100-018-048	MKZ-21CR	Zinc Alloy (ZDC)	Chrome	21	12.5	20	3	26	17	12	4.5	7	29 g	50 pcs	500 pcs
100-018-049	MKZ-21BNI	Zinc Alloy (ZDC)	Black Nickel	21	12.5	20	3	26	17	12	4.5	7	29 g	50 pcs	500 pcs
100-018-050	MKZ-21WB	Zinc Alloy (ZDC)	Satin Nickel	21	12.5	20	3	26	17	12	4.5	7	29 g	50 pcs	500 pcs
100-018-051	MKZ-21SB	Zinc Alloy (ZDC)	Satin Gold	21	12.5	20	3	26	17	12	4.5	7	29 g	50 pcs	500 pcs

LAMP. STAINLESS STEEL KNOB RSS

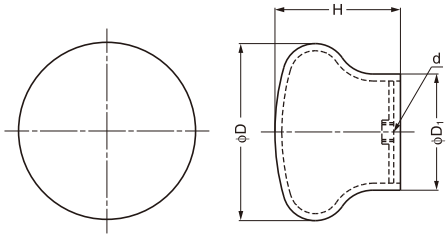
Latest Info



- Empty centre makes knob very light.

SUS SCREW

Parts Included
- Truss head screw (SUS)



Item Code	Item Name	Material	Finish	H	D	D_1	d	Screw	Weight	Box	Carton
100-011-194	RSS-25S	Stainless Steel (SUS304)	Satin	22	25	18	M4	M4×30	8.5 g	20 pcs	200 pcs
100-011-190	RSS-25M	Stainless Steel (SUS304)	Mirror	22	25	18	M4	M4×30	8.5 g	20 pcs	200 pcs
100-011-195	RSS-30S	Stainless Steel (SUS304)	Satin	23	30	20	M4	M4×30	11 g	20 pcs	200 pcs
100-011-191	RSS-30M	Stainless Steel (SUS304)	Mirror	23	30	20	M4	M4×30	11 g	20 pcs	200 pcs
100-011-196	RSS-38S	Stainless Steel (SUS304)	Satin	27	38	25	M5	M5×30	16 g	20 pcs	200 pcs
100-011-192	RSS-38M	Stainless Steel (SUS304)	Mirror	27	38	25	M5	M5×30	16 g	20 pcs	200 pcs
100-011-197	RSS-50S	Stainless Steel (SUS304)	Satin	34	50	35	M5	M5×30	30 g	20 pcs	200 pcs
100-011-193	RSS-50M	Stainless Steel (SUS304)	Mirror	34	50	35	M5	M5×30	30 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.

KNOB KK-T

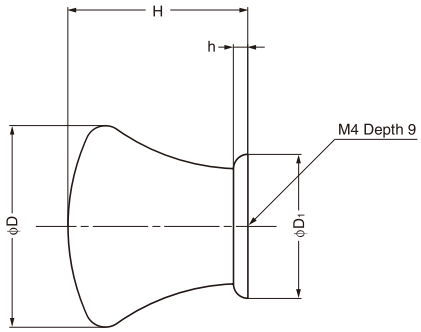
Latest Info



SCREW

Parts Included

- Truss head screw M4×30



Item Code	Item Name	Material	Finish	D	D_1	H	h	Weight	Box	Carton
100-012-905	KK-T24SNI	Aluminium Alloy	Nickel+Clear Coating	24	16	23	1.5	10 g	25 pcs	200 pcs
100-012-906	KK-T24SSG	Aluminium Alloy	Satin Gold+Clear Coating	24	16	23	1.5	10 g	25 pcs	200 pcs
100-012-907	KK-T24SBR	Aluminium Alloy	Brown+Clear Coating	24	16	23	1.5	10 g	25 pcs	200 pcs
100-029-090	KK-T24BL	Aluminium Alloy	Paint/Black	24	16	23	1.5	10 g	25 pcs	200 pcs
100-012-908	KK-T28SNI	Aluminium Alloy	Nickel+Clear Coating	28	20	26	2	20 g	25 pcs	200 pcs
100-012-909	KK-T28SSG	Aluminium Alloy	Satin Gold+Clear Coating	28	20	26	2	20 g	25 pcs	200 pcs
100-012-910	KK-T28SBR	Aluminium Alloy	Brown+Clear Coating	28	20	26	2	20 g	25 pcs	200 pcs
100-029-091	KK-T28BL	Aluminium Alloy	Paint/Black	28	20	26	2	20 g	25 pcs	200 pcs

SELECTION GUIDE
HANDLES
PULLS
RECESSED PULLS
HATCH PULLS
TRUNK HANDLES
KNOBS
DOOR HANDLES & KNOBS

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. KNOB (AGED CAST SERIES) PXB-AC08-111

Latest Info





Black Bronze



Brown Bronze



Generous amounts of brass cast into a nostalgic and rugged finish.

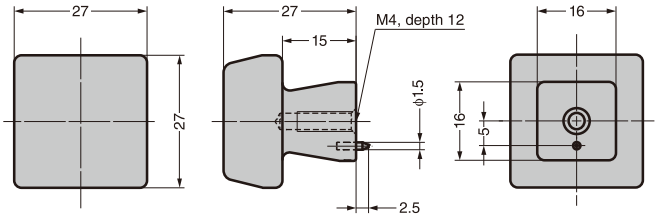
- A wide array of matching products is available, allowing for total design coordination.

Remarks

- The finish of the products may differ significantly as the finishing process works with the natural characteristics of the material.

Parts Included

- Size M4 x 30 truss head cross-recessed screws (stainless steel)



Item Code	Item Name	Material	Colour	Weight (g)	Box (pcs)	Carton (pcs)
100-033-724	PXB-AC08-111-BL	Brass	Black Bronze	91	10	80
100-033-725	PXB-AC08-111-BR		Brown Bronze		10	80

LAMP. KNOB (AGED SCREW SERIES) PXB-AS08-111

Latest Info





Brown Bronze



Clear Bronze



Feature

Generous amounts of brass cast into a nostalgic and rugged finish. Slotted front installation screws, influenced by old-fashioned American interiors.

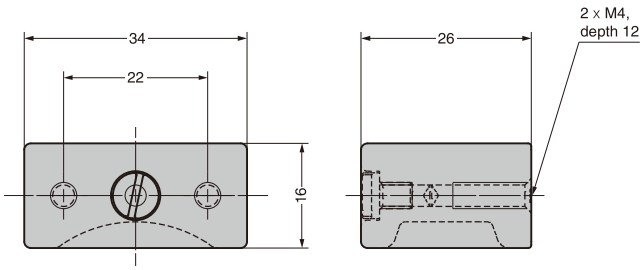
- A wide array of matching products is available, allowing for total design coordination.

Remarks

- The finish of the products may differ significantly as the finishing process works with the natural characteristics of the material.
- The slotted screws are for decoration only. Use the included screws to mount this product.

Parts Included

- Size M4 x 30 truss head cross-recessed screws (stainless steel)



Item Code	Item Name	Material	Colour	Weight (g)	Box (pcs)	Carton (pcs)
100-033-734	PXB-AS08-111-BR	Brass	Brown Bronze	106	10	80
100-033-735	PXB-AS08-111-SD		Clear Bronze		10	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.

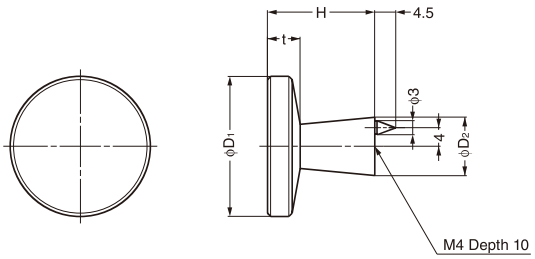
LAMP. KNOB TS

Latest Info



SCREW

Parts Included
- Truss head screw M4×25



Item Code	Item Name	Material	Finish	D_1	D_2	H	t	Weight	Box	Carton
100-010-001	TS-25	Brass	Satin Nickel	25	14.5	23	6.7	36 g	50 pcs	200 pcs
100-013-119	TS-30	Brass	Satin Nickel	30	14.5	23	6.7	47 g	50 pcs	200 pcs
100-010-002	TS-36	Brass	Satin Nickel	36	15	24	7.5	70 g	30 pcs	120 pcs

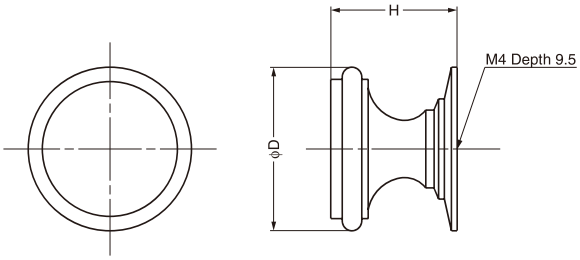
LAMP. BRASS KNOB SY

Latest Info



SCREW

Parts Included
- Truss head screw M4×25



Item Code	Item Name	Material	Finish	D	H	Weight	Box	Carton
100-012-032	SY-16WB	Brass	Satin Nickel	16	15	10 g	40 pcs	400 pcs
100-012-030	SY-16M	Brass	Mirror	16	15	10 g	40 pcs	400 pcs
100-010-238	SY-22WB	Brass	Satin Nickel	22	17	21 g	30 pcs	300 pcs
100-017-634	SY-22M	Brass	Mirror	22	17	21 g	30 pcs	300 pcs

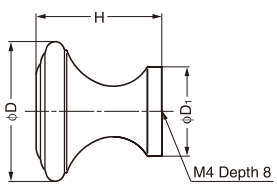
BRASS KNOB KHE103

Latest Info



SCREW

Parts Included
- Truss head screw M4×30



Item Code	Item Name	Material	Finish	D	D_1	H	Weight	Box
100-012-618	KHE103-25PB	Brass	Mirror, Clear	25	16	22.5	34 g	20 pcs
100-015-018	KHE103-32PB	Brass	Mirror, Clear	31	19	22.5	55 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.

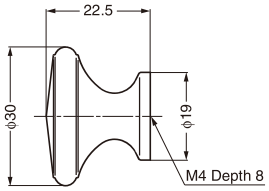
BRASS KNOB KE101-30

Latest Info



SCREW

Parts Included
- Truss head screw M4×30



Item Code	Item Name	Material	Finish	Weight	Box
100-015-019	KHE101-30PB	Brass	Mirror, Clear	54 g	20 pcs

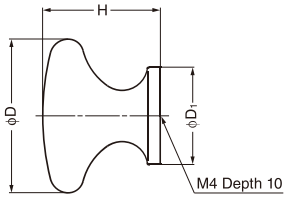
BRASS KNOB KHE102

Latest Info



SCREW

Parts Included
- Truss head screw M4×30



Item Code	Item Name	Material	Finish	D	D_1	H	Weight	Box
100-012-621	KHE102-30PB	Brass	Mirror, Clear	30	19	23	63 g	20 pcs
100-012-741	KHE102-35PB	Brass	Mirror, Clear	35	22	25	84 g	20 pcs

LAMP. KNOB GLA

Latest Info

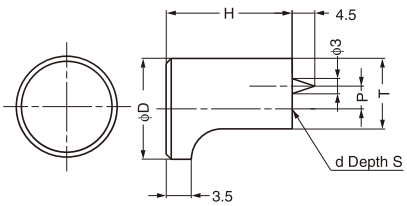


SCREW

Parts Included
- GLA-12:

Truss head screw M3×25
- GLA-16, GLA-20:

Truss head screw M4×25



Item Code	Item Name	Material	Finish	D	H	T	P	d	S	Weight	Box	Carton
100-010-718	GLA-12	Brass	Satin Nickel	12	18	8.5	3.5	M3	8	14 g	50 pcs	500 pcs
100-012-323	GLA-16	Brass	Satin Nickel	16	22	11	4	M4	10	29 g	40 pcs	400 pcs
100-010-720	GLA-20	Brass	Satin Nickel	20	25	14	4.5	M4	10	52 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.

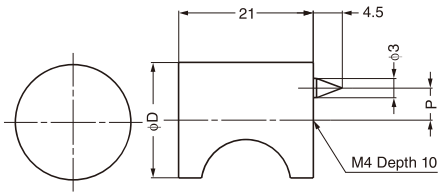
LAMP. KNOB MRB

Latest Info



SCREW

Parts Included
- Truss head screw M4×25



Item Code	Item Name	Material	Finish	D	P	Weight	Box	Carton
100-010-721	MRB-18	Brass	Satin Nickel	18	5	38 g	30 pcs	300 pcs
100-010-722	MRB-24	Brass	Satin Nickel	24	5.5	70 g	30 pcs	300 pcs

LAMP. FIRE RESISTANT RESIN KNOB SGL

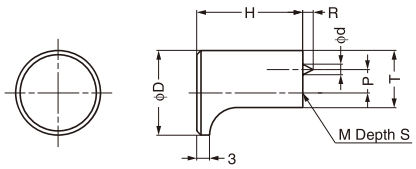
Latest Info



- Uses flame retardant material rated UL94HB.

SCREW

Parts Included
- SGL-12 : Truss head screw M3×28
- SGL-16 : Truss head screw M4×28



Item Code	Item Name	Material	Finish	D	H	T	P	d	R	M	S	Weight	Box	Carton
100-012-016	SGL-12	ABS	Satin Chrome	12	18	8.5	3	2	2	M3	9.5	1 g	60 pcs	1,800 pcs
100-012-017	SGL-16	ABS	Satin Chrome	16	22	11	4	2	2.5	M4	13.5	2 g	40 pcs	1,200 pcs
100-012-018	SGL-20	ABS	Satin Chrome	20	25	13.5	5	2.5	2.5	M4	15.5	3.5 g	30 pcs	900 pcs

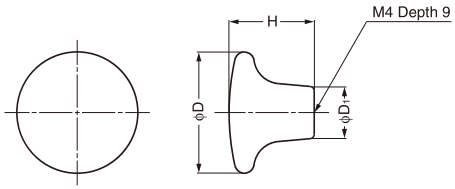
LAMP. KNOB 231F, 232F, 217F

Latest Info



SCREW

Parts Included
- Truss head screw M4×25



Item Code	Item Name	Material	Colour	D	D_1	H	Weight	Box	Carton
100-012-098	231F	Ceramic	White	26	16	19	12 g	50 pcs	200 pcs
100-012-099	232F	Ceramic	White	32	15.5	23	17 g	50 pcs	200 pcs
100-012-095	217F	Ceramic	White	39	17.5	26	26 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.

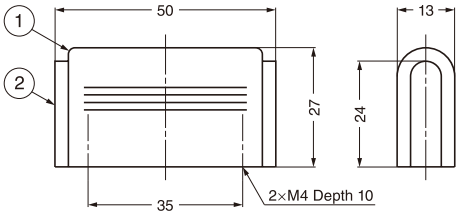
LAMP. KNOB FS-04-S

Latest Info



SCREW

Parts Included
- Truss head screw M4×25



No.	Material	Colour
①	Elastomer (TPE)	Black
②	Aluminium Alloy	Anodized Silver+Satin

Item Code	Item Name	Weight	Box	Carton
100-012-173	FS-04-S	28 g	30 pcs	360 pcs

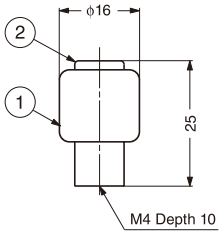
LAMP. KNOB FS-06-S

Latest Info



SCREW

Parts Included
- Truss head screw M4×25



No.	Material	Colour
①	Elastomer (TPE)	Black
②	Aluminium Alloy	Anodized Silver+Satin

Item Code	Item Name	Weight	Box	Carton
100-012-175	FS-06-S	6 g	30 pcs	300 pcs

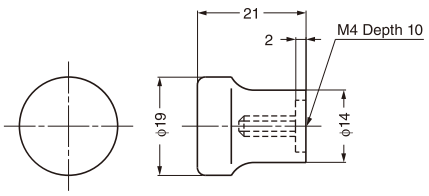
LAMP. KNOB GD-20

Latest Info



SCREW

Parts Included
- Truss head screw M4×25



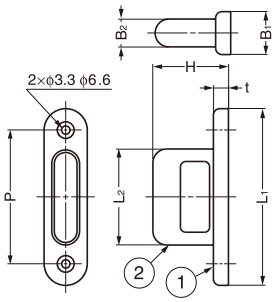
Item Code	Item Name	Material	Colour	Weight	Box	Carton
100-012-074	GD-20	ABS	Black	5 g	50 pcs	500 pcs

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 STAINLESS STEEL PULL HS

Latest Info





- Made from elastomer for a soft, pleasant touch.
- Bottom is made from stainless steel.

SUS SCREW

Parts Included
- Countersunk head wood screw 3.1×20 (SUS)

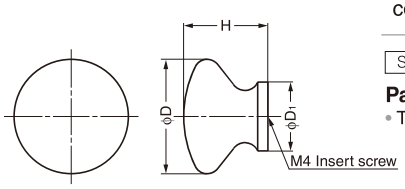
No.	Material	Finish/Colour
①	Stainless Steel (SUS304)	Satin
②	Elastomer (TPE)	Black

Item Code	Item Name	L_1	L_2	P	B_1	B_2	H	t	Weight	Box	Carton
100-012-192	HS-60S	60	30	44	16	9	25	5	13 g	40 pcs	400 pcs
100-012-193	HS-70S	70	38	53	17	11	30	6	20 g	30 pcs	300 pcs

LAMP WOOD KNOB SMT

Latest Info





- Natural wood rounded oval knob. Can be painted to fully integrate into interiors.
- Available in custom finishes, please contact us for details.

SCREW

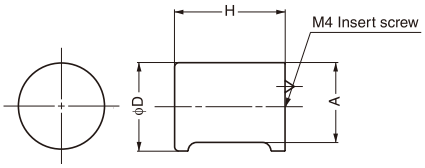
Parts Included
- Truss head screw M4×25

Item Code	Item Name	Material	Finish	D	D_1	H	Weight	Box
100-012-001	SMT24	Wood	Plain	24.5	15	19	5 g	200 pcs
100-012-010	SMT34	Wood	Plain	34	20.5	25	10 g	80 pcs

LAMP WOOD KNOB SMRB

Latest Info





- Natural wood cylindrical knob. Can be painted to fully integrate into interiors.
- Available in custom finishes, please contact us for details.

SCREW

Parts Included
- Truss head screw M4×25

Item Code	Item Name	Material	Finish	D	H	A	Weight	Box
100-012-006	SMRB16	Wood	Plain	16	22	13.5	5 g	250 pcs
100-012-007	SMRB20	Wood	Plain	20	25	16.5	7 g	150 pcs
100-012-008	SMRB24	Wood	Plain	24	29	19.5	9 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.

Zwei L. STAINLESS STEEL PUSH KNOB ZL-1908

Latest Info



- By pressing in the knob, can become flat and flush with its surroundings, giving doors a seamless appearance. This also makes it safer by removing the chance of clothes getting caught or people walking into a protrusion from the door.
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.

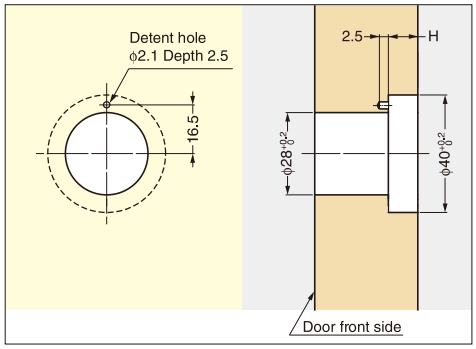
SUS316 | SCREW

Concept

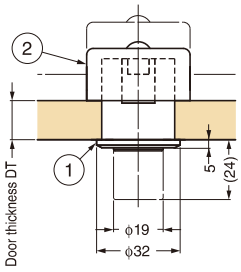
Parts Included

- Truss head screw M3×25 (SUS)

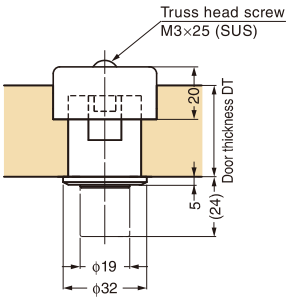
Cut Out Dimensions



Door Thickness 13-23 mm



Door Thickness 24-33 mm



No.	Part Name	Material	Finish/Colour
①	Knob Body	Stainless Steel (SUS316)	Zwei L Finish
②	Knob Cap	ABS	Black

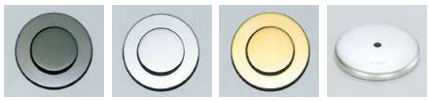
Item Code	Item Name	Door Thickness (DT)	Bore Depth H	Weight	Box
100-011-033	ZL-1908	13 - 33	DT 13 - 23: H=None (ϕ28 Hole), DT 24 - 33: H=DT-23	134 g	1 pc

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 PUSH KNOB PK03

Latest Info





BN CR GA PK04VB (Option)

- Push in knob to make it flush
- 15-35mm thickness without cap, 29-39mm with cap (PK04VB, sold separately)

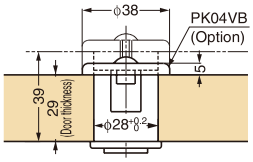
SCREW

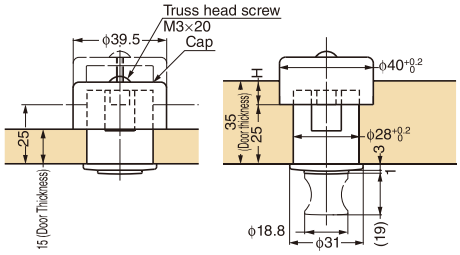
Remarks
- Install with bracket when applied to sheet metal.

Parts Included
- Truss head screw M3×20 (SUS)

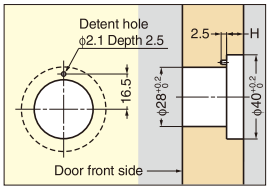
Option
- Cap for thick door (PK04VB)

Part Name	Material
Push Knob	Zinc Alloy (ZDC)
Latch Body	ABS
Cap	ABS

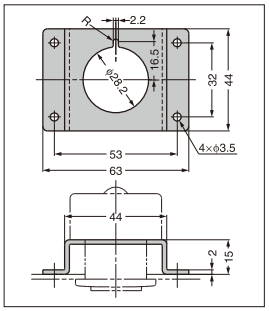




Cut Out Dimensions



Bracket for Sheet Metal



Body

Item Code	Item Name	Finish	Door Thickness (DT)	Bore Depth H	Weight	Box	Carton
100-019-954	PK03GA	Gold	15 - 35	DT 15 - 25: H=None (ϕ28 Hole), DT 26 - 35: H=DT-25	67 g	20 pcs	200 pcs
100-019-956	PK03CR	Chrome	15 - 35	DT 15 - 25: H=None (ϕ28 Hole), DT 26 - 35: H=DT-25	67 g	20 pcs	200 pcs
100-019-955	PK03BN	Black Nickel	15 - 35	DT 15 - 25: H=None (ϕ28 Hole), DT 26 - 35: H=DT-25	67 g	20 pcs	200 pcs

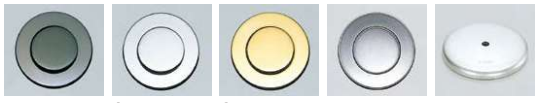
Cap for Thick Doors (Option)

Item Code	Item Name	Door Thickness	Material	Finish	Weight	Box	Carton
100-910-039	PK04VB	29 - 39	Stainless Steel (SUS430)	Plain	13 g	100 pcs	800 pcs

LAMP PUSH KNOB PK04

Latest Info





BN CR GA DN PK04VB (Option)

- Push in knob to make it flush
- 15-35mm thickness without cap, 29-39mm with cap (PK04VB, sold separately)

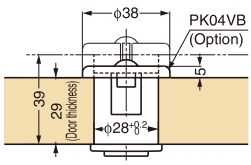
SCREW

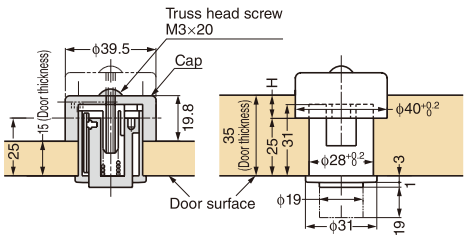
Remarks
- Install with bracket when applied to sheet metal.

Parts Included
- Truss head screw M3×20

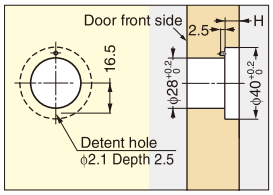
Option
- Cap for thick door (PK04VB)

Part Name	Material
Push Knob	Zinc Alloy (ZDC)
Latch Body	ABS
Cap	ABS

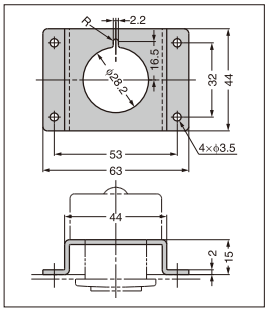




Cut Out Dimensions



Bracket for Sheet Metal



Body

Item Code	Item Name	Finish	Door Thickness (DT)	Bore Depth H	Weight	Box	Carton
100-015-025	PK04GA	Gold	15 - 35	DT 15 - 25: H=None (ϕ28 Hole), DT 26 - 35: H=DT-25	76 g	20 pcs	200 pcs
100-015-024	PK04CR	Chrome	15 - 35	DT 15 - 25: H=None (ϕ28 Hole), DT 26 - 35: H=DT-25	76 g	20 pcs	200 pcs
100-015-026	PK04BN	Black Nickel	15 - 35	DT 15 - 25: H=None (ϕ28 Hole), DT 26 - 35: H=DT-25	76 g	20 pcs	200 pcs
100-012-554	PK04DN	Nickel	15 - 35	DT 15 - 25: H=None (ϕ28 Hole), DT 26 - 35: H=DT-25	76 g	20 pcs	200 pcs

Cap for Thick Doors (Option)

Item Code	Item Name	Door Thickness	Material	Finish	Weight	Box	Carton
100-910-039	PK04VB	29 - 39	Stainless Steel (SUS430)	Plain	13 g	100 pcs	800 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.

Zwei L. STAINLESS STEEL DOOR HANDLE ZL-1501

Latest Info





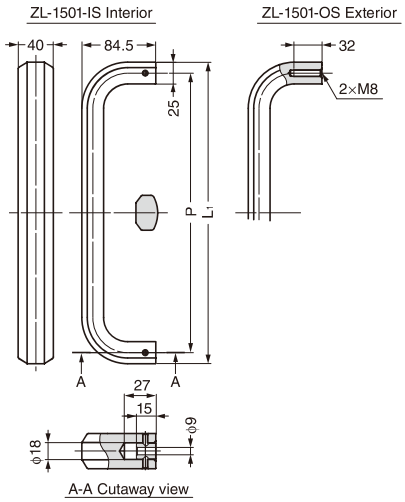
- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Can be installed on both sides of glass, metal or wooden doors. Can also be installed on a single side of glass, wood or metal doors. Please refer to the door handle sets below.
- Dual side handle sets use ZL-1501-WN with ZL-1501-WR and are attached by ZL-1501-OS (for the outside) and ZL-1501-IS (for the inside)

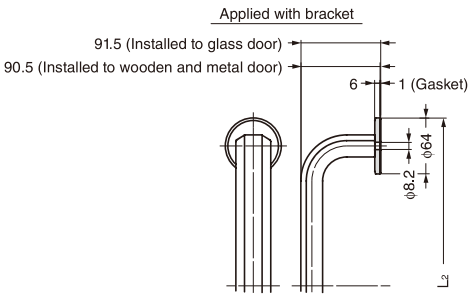
SUS316 | TEMPERED GLASS

Concept

Remarks

- Screws are not included in ZL-1501-OS and ZL-1501-IS.
- Bore holes with ±1 mm tolerance.





Bracket ZL-1501-R (Sold Separately)

Item Code	Item Name
100-011-015	ZL-1501-R

Material	Finish
Stainless Steel (SUS316)	Zwei L Finish

Item Code	Item Name	Type	L1	L2	P
100-177-010	ZL-1501-OS-320	Exterior	345	384	320
100-170-290	ZL-1501-WN-320	Back-to-Back	345	384	320
100-170-293	ZL-1501-WR-320	Back-to-Back with Base	345	384	320
100-177-011	ZL-1501-OS-640	Exterior	665	704	640
100-177-017	ZL-1501-IS-640	Interior	665	704	640
100-170-291	ZL-1501-WN-640	Back-to-Back	665	704	640
100-170-294	ZL-1501-WR-640	Back-to-Back with Base	665	704	640

Limited inventory, contact sales associate for details.

Item Code	Item Name	Type	L1	L2	P
100-177-013	*ZL-1501-OS-1280	Exterior	1305	1344	1280
100-177-019	*ZL-1501-IS-1280	Interior	1305	1344	1280
100-170-250	*ZL-1501-WN-1280	Back-to-Back	1305	1344	1280
100-170-254	*ZL-1501-WR-1280	Back-to-Back with Base	1305	1344	1280
100-177-014	*ZL-1501-OS-1600	Exterior	1625	1664	1600
100-177-020	*ZL-1501-IS-1600	Interior	1625	1664	1600
100-170-252	*ZL-1501-WN-1600	Back-to-Back	1625	1664	1600
100-170-255	*ZL-1501-WR-1600	Back-to-Back with Base	1625	1664	1600
100-177-015	*ZL-1501-OS-1920	Exterior	1945	1984	1920
100-177-021	*ZL-1501-IS-1920	Interior	1945	1984	1920
100-170-253	*ZL-1501-WN-1920	Back-to-Back	1945	1984	1920
100-170-256	*ZL-1501-WR-1920	Back-to-Back with Base	1945	1984	1920

*Made to order.

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.

Zwei L STAINLESS STEEL DOOR HANDLE ZL-1508 NEW

Latest Info





The curving design is sharp.



Zwei L Finish



- The curving design is sharp.
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Made of highly corrosion resistant SUS316.
- Can be installed on both sides of glass, metal or wooden doors. Can also be installed on a single side of glass, wood or metal doors.

SUS316 | TEMPERED GLASS

Specifications

- Dual side handle sets ZL-1508-WN are attached by ZL-1508-OS (for the outside) and ZL-1508-IS (for the inside).

Parts Included

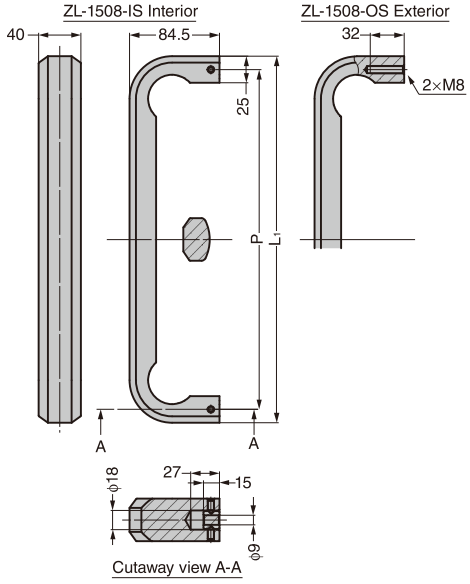
- ZL-1508-IS (single side specs): Hex key, hex socket set screw, mounting bracket
- ZL-1508-WN (dual side specs): Hex key, bolt set

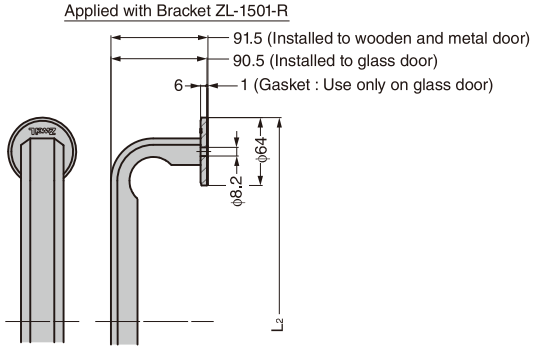
Optional Parts

- Bracket ZL-1501-R

Remarks

- Screws are not included in ZL-1508-OS and ZL-1508-IS. Prepare screws suitable for the door specifications.
- Bore holes with ±1 mm tolerance.
- While dimensions and installation are not expected to change, there may be changes to the internal structure. Please take note.
- When installing on a door outside the applicable thickness range, prepare separate bolts.





Bracket ZL-1501-R (Sold Separately)

Sold in pairs (2 pcs).

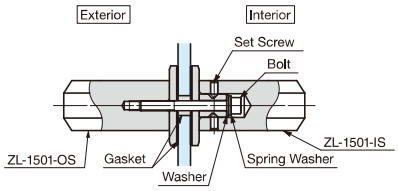
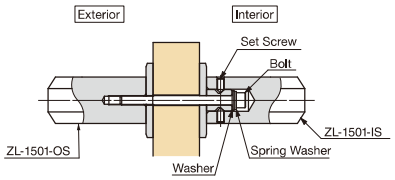
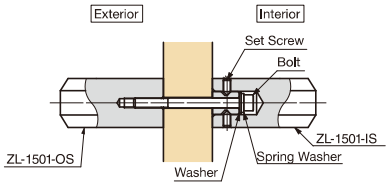
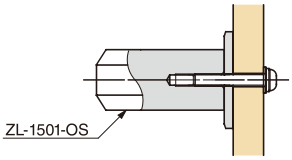
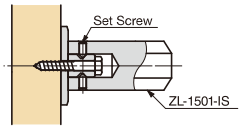
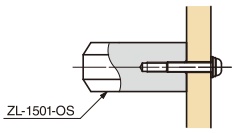
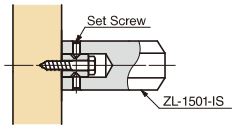
Item Code	Item Name
100-011-015	ZL-1501-R

Limited inventory, contact sales associate for details.

Body

Item Code	Item Name	Type	Material	Finish	L1	L2	P
100-048-628	ZL-1508-OS-320	Exterior	Stainless Steel (SUS316)	Zwei L Finish	345	384	320
100-048-629	ZL-1508-IS-320	Interior					
100-048-632	ZL-1508-WN-320	Back-to-Back					
100-048-630	ZL-1508-OS-640	Exterior			665	704	640
100-048-631	ZL-1508-IS-640	Interior					
100-048-633	ZL-1508-WN-640	Back-to-Back					

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.

Working Diagram			Door Thickness (mm)	Door Hole (mm)	Item Name	
					 ZL-1501	 ZL-1508
Back-to-Back on Glass Door	With Base Plate		6 - 16	ϕ16	ZL-1501-WR	ZL-1508-WN
Back-to-Back on Wooden/Metal Frame Door	With Base Plate		25 - 45	ϕ9	ZL-1501-WR	ZL-1508-WN
	Without Base Plate		37 - 57	ϕ9	ZL-1501-WN	ZL-1508-WN
Single Use on Wooden/Metal Frame Door	With Base Plate		Screws not included. Base Plate (ZL-1501-R) sold separately	ϕ9	ZL-1501-OS ZL-1501-R	ZL-1508-OS ZL-1508-R
				-	ZL-1501-IS ZL-1501-R	ZL-1508-IS ZL-1508-R
	Without Base Plate			ϕ9	ZL-1501-OS	ZL-1508-OS
				-	ZL-1501-IS	ZL-1508-IS

*If door thickness exceeds recommended thickness, a longer bolt (not supplied) should be used.

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.

Zwei L STAINLESS STEEL DOOR HANDLE ZL-1502

Latest Info





- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Can be installed on both sides of glass, metal or wooden doors. Can also be installed on a single side of glass, wood or metal doors. Please refer to the door handle sets below.
- The ZL-1502 is generally installed with the circle bracket but can also be installed without it.
- Dual side handle sets use ZL-1502-WR and are attached by ZL-1502-OS (for the outside) and ZL-1502-IS (for the inside)

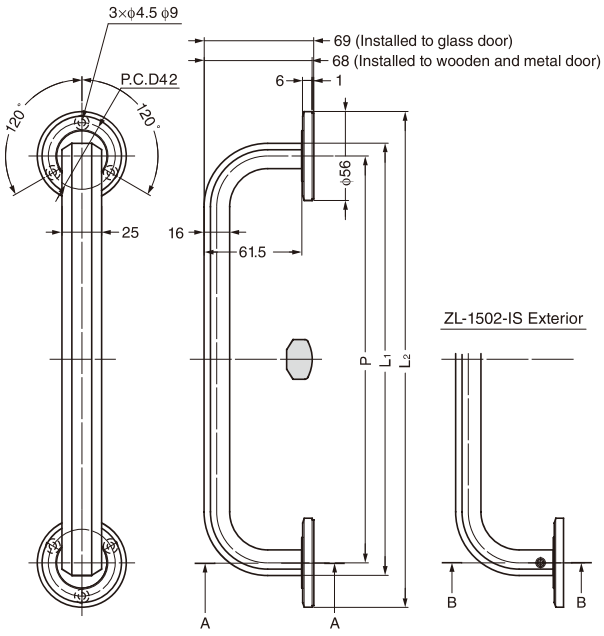
SUS316 | TEMPERED GLASS

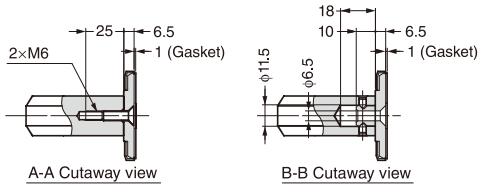
Concept

Remarks

- Screws are not included in ZL-1502-OS and ZL-1502-IS.
- Bore holes with ±1 mm tolerance.

ZL-1502-OS Interior





Item Code	Item Name	Type	Material	Finish	L_1	L_2	P
100-177-034	ZL-1502-OS-192	Exterior	Stainless Steel (SUS316)	Zwei L Finish	208	248	192
100-177-038	ZL-1502-IS-192	Interior	Stainless Steel (SUS316)	Zwei L Finish	208	248	192
100-170-296	ZL-1502-WR-192	Back-to-Back with Base	Stainless Steel (SUS316)	Zwei L Finish	208	248	192
100-177-035	ZL-1502-OS-320	Exterior	Stainless Steel (SUS316)	Zwei L Finish	336	376	320
100-177-039	ZL-1502-IS-320	Interior	Stainless Steel (SUS316)	Zwei L Finish	336	376	320
100-170-297	ZL-1502-WR-320	Back-to-Back with Base	Stainless Steel (SUS316)	Zwei L Finish	336	376	320
100-177-036	ZL-1502-OS-640	Exterior	Stainless Steel (SUS316)	Zwei L Finish	656	696	640
100-177-040	ZL-1502-IS-640	Interior	Stainless Steel (SUS316)	Zwei L Finish	656	696	640
100-170-298	ZL-1502-WR-640	Back-to-Back with Base	Stainless Steel (SUS316)	Zwei L Finish	656	696	640
100-177-037	ZL-1502-OS-960	Exterior	Stainless Steel (SUS316)	Zwei L Finish	976	1016	960
100-177-041	ZL-1502-IS-960	Interior	Stainless Steel (SUS316)	Zwei L Finish	976	1016	960
100-170-299	ZL-1502-WR-960	Back-to-Back with Base	Stainless Steel (SUS316)	Zwei L Finish	976	1016	960

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.

Zwei L STAINLESS STEEL DOOR HANDLE ZL-1507 NEW

Latest Info




The curving design is sharp.


Zwei L Finish



- The curving design is sharp.
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Made of highly corrosion resistant SUS316.
- Can be installed on both sides of glass, metal or wooden doors. Can also be installed on a single side of glass, wood or metal doors.

SUS316 | TEMPERED GLASS

Specifications

- Dual side handle sets ZL-1507-WN are attached by ZL-1507-OS (for the outside) and ZL-1507-IS (for the inside).

Parts Included

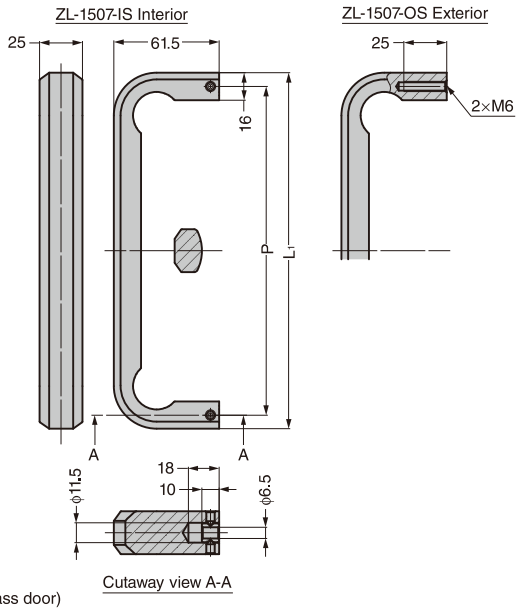
- ZL-1507-IS (single side specs): Hex key, hex socket set screw, mounting bracket
- ZL-1507-WN (dual side specs): Hex key, bolt set

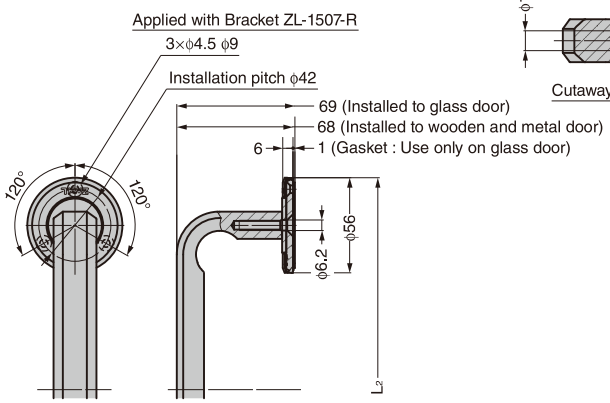
Optional Parts

- Bracket ZL-1507-R

Remarks

- Screws are not included in ZL-1507-OS and ZL-1507-IS. Prepare screws suitable for the door specifications.
- Bore holes with ±1 mm tolerance.
- While dimensions and installation are not expected to change, there may be changes to the internal structure. Please take note.
- When installing on a door outside the applicable thickness range, prepare separate bolts.





Bracket ZL-1507-R (Sold Separately)

Sold in pairs (2 pcs).

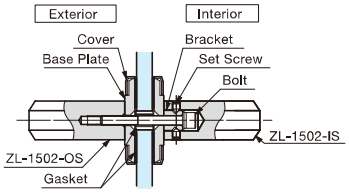
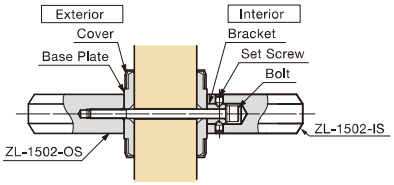
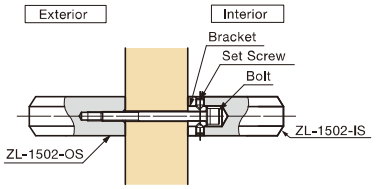
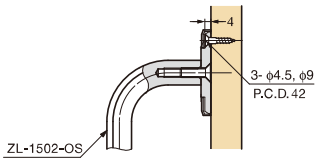
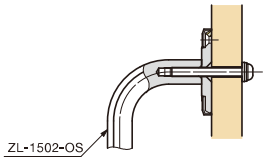
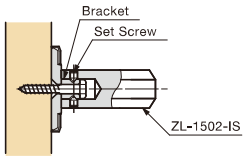
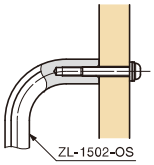
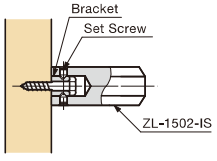
Item Code	Item Name
100-048-634	ZL-1507-R

Body

Item Code	Item Name	Type	Material	Finish	L1	L2	P
100-048-619	ZL-1507-OS-192	Exterior	Stainless Steel (SUS316)	Zwei L Finish	208	248	192
100-048-620	ZL-1507-IS-192	Interior					
100-048-625	ZL-1507-WN-192	Back-to-Back					
100-048-621	ZL-1507-OS-320	Exterior			336	376	320
100-048-622	ZL-1507-IS-320	Interior					
100-048-626	ZL-1507-WN-320	Back-to-Back					
100-048-623	ZL-1507-OS-640	Exterior			656	696	640
100-048-624	ZL-1507-IS-640	Interior					
100-048-627	ZL-1507-WN-640	Back-to-Back					

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.

SELECTION GUIDE
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HATCH PULLS
TRUNK HANDLES
KNOBS
DOOR HANDLES & KNOBS

Working Diagram			Door Thickness (mm)	Door Hole (mm)	Item Name	
					 ZL-1502	 ZL-1507
Back-to-Back on Glass Door	With Base Plate		6 - 12	ϕ12	ZL-1502-WR	ZL-1507-WN
Back-to-Back on Wooden/Metal Frame Door	With Base Plate		40 - 52	ϕ7	ZL-1502-WR	ZL-1507-WN
	Without Base Plate		38 - 50	ϕ7	ZL-1502-WR	ZL-1507-WN
Single Use on Wooden/Metal Frame Door	With Base Plate		Screws not included.	-	ZL-1502-OS	ZL-1507-OS
				ϕ7	ZL-1502-OS	ZL-1507-OS
				-	ZL-1502-IS	ZL-1507-IS
	Without Base Plate			ϕ7	ZL-1502-OS	ZL-1507-OS
				-	ZL-1502-IS	ZL-1507-IS

*If door thickness exceeds recommended thickness, a longer bolt (not supplied) should be used.

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.

Zwei L. STAINLESS STEEL DOOR HANDLE ZL-1506

Latest Info





- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Can be installed on both sides of glass, metal or wooden doors. Can also be installed on a single side of glass, wood or metal doors.
- Please refer to the door handle set list below to choose a type appropriate for your use.
- The ZL-1502 is generally installed with a circle bracket but can also be installed without it.
- Dual side handle sets use ZL-1506-WR and are attached by ZL-1506-OS (for the outside) and ZL-1506-IS (for the inside)

SUS316 | TEMPERED GLASS

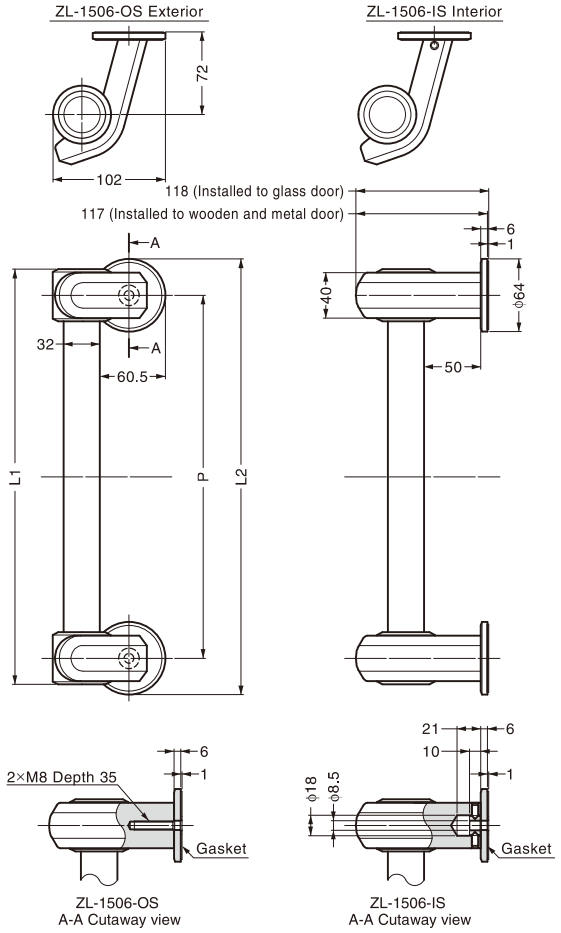
Concept

Remarks

- Screws are not included to ZL-1506-OS and ZL-1506-IS.
- Bore holes with ±1 mm tolerance.

Parts Included

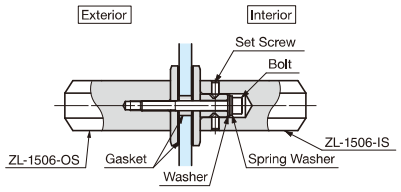
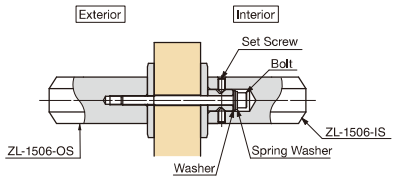
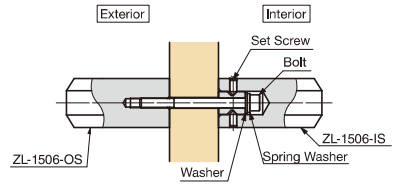
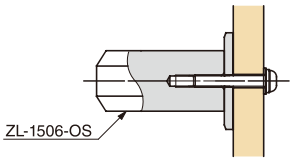
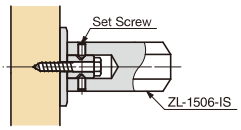
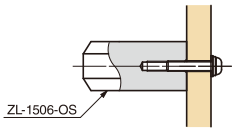
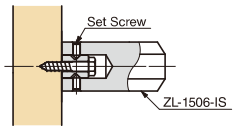
- Hex key 5



Item Code	Item Name	Type	Material	Finish	L_1	L_2	P
100-022-172	ZL-1506-OS-192	Exterior	Stainless Steel (SUS316)	Zwei L Finish	238	256	192
100-022-173	ZL-1506-IS-192	Interior	Stainless Steel (SUS316)	Zwei L Finish	238	256	192
100-022-174	ZL-1506-WR-192	Back-to-Back with Base	Stainless Steel (SUS316)	Zwei L Finish	238	256	192
100-022-175	ZL-1506-OS-320	Exterior	Stainless Steel (SUS316)	Zwei L Finish	366	384	320
100-022-176	ZL-1506-IS-320	Interior	Stainless Steel (SUS316)	Zwei L Finish	366	384	320
100-022-177	ZL-1506-WR-320	Back-to-Back with Base	Stainless Steel (SUS316)	Zwei L Finish	366	384	320
100-022-178	ZL-1506-OS-640	Exterior	Stainless Steel (SUS316)	Zwei L Finish	686	704	640
100-022-179	ZL-1506-IS-640	Interior	Stainless Steel (SUS316)	Zwei L Finish	686	704	640
100-022-180	ZL-1506-WR-640	Back-to-Back with Base	Stainless Steel (SUS316)	Zwei L Finish	686	704	640
100-022-181	ZL-1506-OS-960	Exterior	Stainless Steel (SUS316)	Zwei L Finish	1006	1024	960
100-022-182	ZL-1506-IS-960	Interior	Stainless Steel (SUS316)	Zwei L Finish	1006	1024	960
100-022-183	ZL-1506-WR-960	Back-to-Back with Base	Stainless Steel (SUS316)	Zwei L Finish	1006	1024	960

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HATCH PULLS
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DOOR HANDLES & KNOBS

Working Diagram			Door Thickness (mm)	Door Hole (mm)	Item Name
Back-to-Back on Glass Door	With Base Plate		6 - 15	ϕ16	ZL-1506-WR
Back-to-Back on Wooden/Metal Frame Door	With Base Plate		25 - 45	ϕ9	ZL-1506-WR
	Without Base Plate		37 - 57	ϕ9	ZL-1506-WR
Single Use on Wooden/Metal Frame Door	With Base Plate		Screws not included.	ϕ9	ZL-1506-OS
				-	ZL-1506-IS
	Without Base Plate			ϕ9	ZL-1506-OS
				-	ZL-1506-IS

*If door thickness exceeds recommended thickness, a longer bolt (not supplied) should be used.

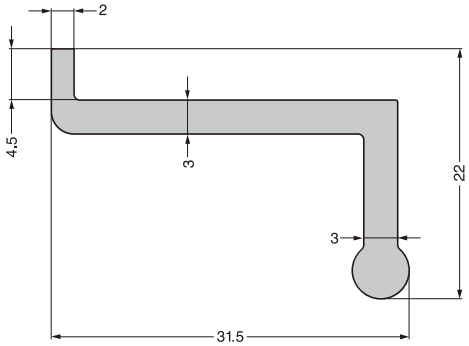
This information provides a range of quality for the component. It does not ensure the performance or safety of the final product incorporating the component.

LAMP. HANDLE GG-2000, GG-3000 NEW

Latest Info

- A handle designed for installation on glass doors.
- Requires double-sided tape for adhesion. (sold separately)





Item Code	Item Name	Material	Finish	Length	Box (pcs)
250-010-260	GG-2000	Aluminium Alloy	Silver Anodized	2000	20
250-010-261	GG-3000			3000	20

Zwei L. STAINLESS STEEL DOOR KNOB ZL-1503

Latest Info



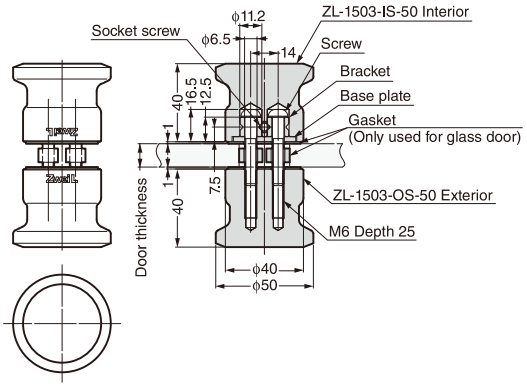
- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.

SUS316 | TEMPERED GLASS | SCREW

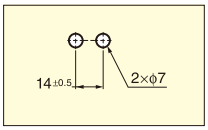
Concept

Parts Included

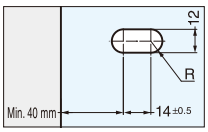
- Bolt set for door knob
- Allen key
- Gasket



Cut Out Dimensions (for wood)



Cut Out Dimensions (for glass)



Item Code	Item Name	Type	Material	Finish	Door Thickness	Weight
100-170-788	ZL-1503-IS-50	Interior Knob	Stainless Steel (SUS316)	Zwei L Finish	Wooden/Metal Frame: 36 - 48, Glass: 6, 8, 10, 12	413 g
100-170-787	ZL-1503-OS-50	Exterior Knob	Stainless Steel (SUS316)	Zwei L Finish	Wooden/Metal Frame: 36 - 48, Glass: 6, 8, 10, 12	507 g
100-011-032	ZL-1503-WN-50	Back-to-Back Knob	Stainless Steel (SUS316)	Zwei L Finish	Wooden/Metal Frame: 36 - 48, Glass: 6, 8, 10, 12	1015 g

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.

Zwei L STAINLESS STEEL DOOR KNOB ZL-1504

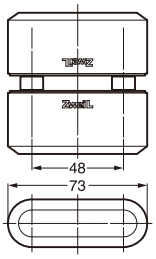
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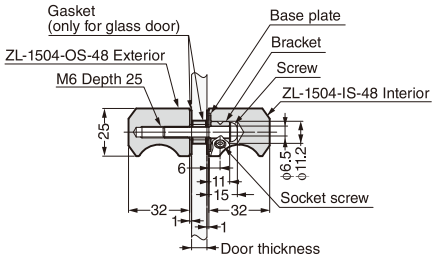


- Superior finish of Mirror/Satin.

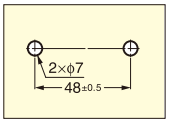
SUS316 | TEMPERED GLASS | SCREW

Parts Included
- Bolt set for door knob
- Allen key
- Gasket

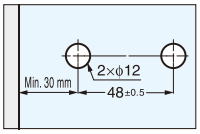




Cut Out Dimensions (for wood)



Cut Out Dimensions (for glass)



Concept

Item Code	Item Name	Type	Material	Finish	Door Thickness	Weight
100-170-785	ZL-1504-IS-48	Interior Knob	Stainless Steel (SUS316)	Zwei L Finish	Wooden/Metal Frame: 36 - 48, Glass: 6, 8, 10, 12	432 g
100-170-784	ZL-1504-OS-48	Exterior Knob	Stainless Steel (SUS316)	Zwei L Finish	Wooden/Metal Frame: 36 - 48, Glass: 6, 8, 10, 12	462 g
100-011-031	ZL-1504-WN-48	Back-to-Back Knob	Stainless Steel (SUS316)	Zwei L Finish	Wooden/Metal Frame: 36 - 48, Glass: 6, 8, 10, 12	989 g

Zwei L STAINLESS STEEL DOOR KNOB ZL-1505

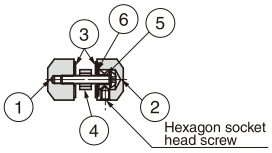
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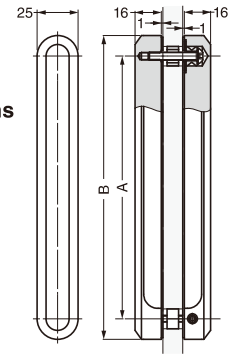


- Superior finish of Mirror/Satin.

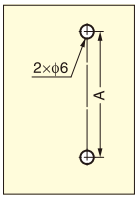
SUS316 | TEMPERED GLASS | SCREW

Parts Included
- ZL-1505-IS: Bracket
  Washer
  Hexagon socket head screw M5×8
  Allen key
- ZL-1505-OS: Zwei L screw M5×28,Gasket(1pc)
- ZL-1505-WN: Bolt set ZL-1505-B,Gasket(1pc)

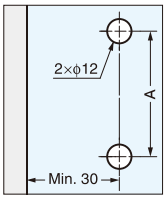




Cut Out Dimensions (for wood)



Cut Out Dimensions (for glass)



Concept

Item Code	Item Name	Type	Material	Finish	A	B	Weight
100-011-026	ZL-1505-IS-160	Interior Knob	Stainless Steel (SUS316)	Zwei L Finish	160	185	563 g
100-011-028	ZL-1505-IS-320	Interior Knob	Stainless Steel (SUS316)	Zwei L Finish	320	345	1023 g
100-011-025	ZL-1505-OS-160	Exterior Knob	Stainless Steel (SUS316)	Zwei L Finish	160	185	580 g
100-011-027	ZL-1505-OS-320	Exterior Knob	Stainless Steel (SUS316)	Zwei L Finish	320	345	1052 g
100-010-433	ZL-1505-WN-160	Back-to-Back Knob	Stainless Steel (SUS316)	Zwei L Finish	160	185	1177 g
100-010-434	ZL-1505-WN-320	Back-to-Back Knob	Stainless Steel (SUS316)	Zwei L Finish	320	345	2109 g

No.	Part Name	Material
①	ZL-1505-OS (Exterior)	Stainless Steel (SUS316)
②	ZL-1505-IS (Interior)	Stainless Steel (SUS316)
③	Gasket	Elastomer (TPE)
④	Rubber Ring	Chloroprene Rubber (CR)
⑤	Bracket	Stainless Steel (SUS316)
⑥	Washer	Stainless Steel (SUS316)

Bolt Set for Back-to-back Installation

Item Code	Item Name
100-011-029	ZL-1505-B

Part Name	Door	Material	Qty	Door Thickness
Hexagon Socket Button Head Screw M5×60	Wooden/Metal Frame	Stainless Steel	2 pcs	40 - 46
Hexagon Socket Button Head Screw M5×30	Glass	Stainless Steel	2 pcs	8, 10, 12
Hex Key	-	Steel	1 pc	-
Rubber Ring	Glass	Chloroprene Rubber (CR)	2 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.

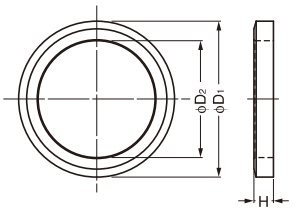
Zwei L. STAINLESS STEEL DOOR KNOB ZL-2502

Latest Info



- Made of highly corrosion resistant SUS316
- Ultrapremium Zwei L finish. Zwei L finish: Using top class polishing technology, these products combine the elegance of Satin with the deep glow of a Mirror.
- Installed using UV curing

SUS316 | TEMPERED GLASS



Concept

Item Code	Item Name	Material	Finish	D_1	D_2	H	Weight
100-010-972	ZL-2502-56	Stainless Steel (SUS316)	Zwei L Finish	56	38	6	68 g
100-010-973	ZL-2502-80	Stainless Steel (SUS316)	Zwei L Finish	80	53	10	222 g

LAMP. DUAL-SIDED KNOB FOR GLASS GT-40CR

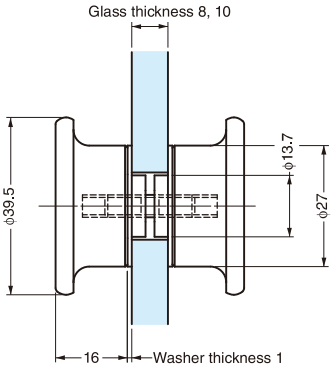
Latest Info



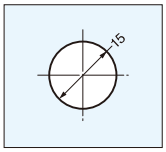
- Glass knob recommended for use in places like showers and bathrooms.

SCREW

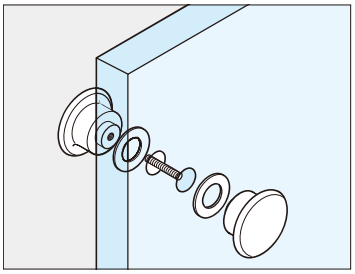
Parts Included
- PVC washers
- Screw M5 (SUS)



Cut Out Dimension



Installation



Item Code	Item Name	Material	Finish	Glass Thickness	Weight	Box	Carton
100-019-767	GT-40CR	Brass	Chrome	8, 10	215 g	6 pcs	48 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.

MAGNETIC LATCH HANDLE MLH Flat / Round NEW

Latest Info



Case lock Handle



Cover

Conceals the drilled hole inside the handle

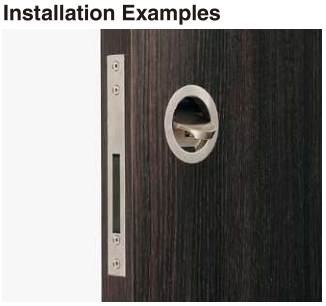
- Flat latch handle with mortise lock case.
- The handle does not protrude when the door is closed.
- The magnet allows for automatic and smooth latching.
- The plastic coating on the latch reduces metallic clinking noise.
- Recommended to use together with the HES3D and HES2S-140-A125 hinge.

INSTRUCTION SCREW

Parts Included

- Cover
- Stainless steel cross-recessed tapping screws, ST 4.2 × 25 (4)
- Stainless steel cross-recessed small screws, M4 × 16 (2) (for door thicknesses 35–39 [32–36] mm)
- Stainless steel cross-recessed small screws, M4 × 20 (2) (for door thicknesses 40–45 [37–42] mm) (Note: Values in brackets are for surfaces with handles)

Installation Examples

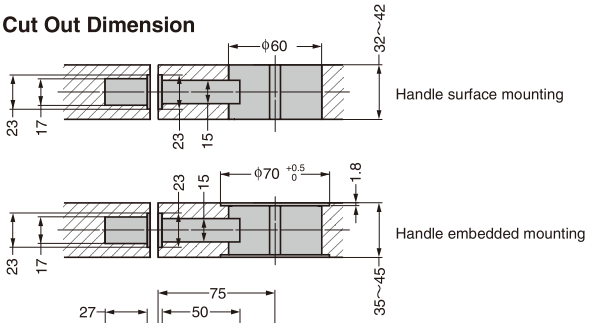


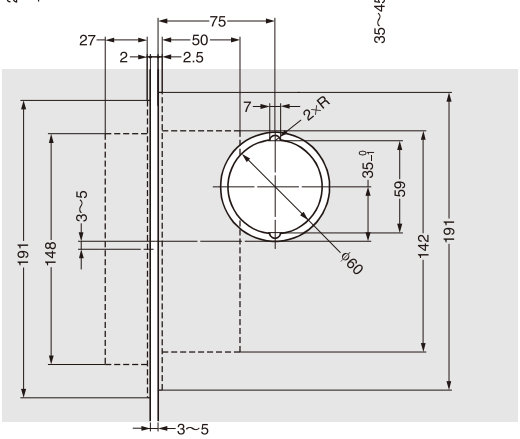
When using the handle



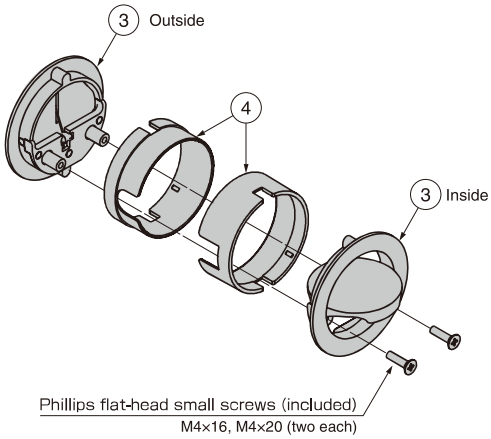
When the handle is retracted

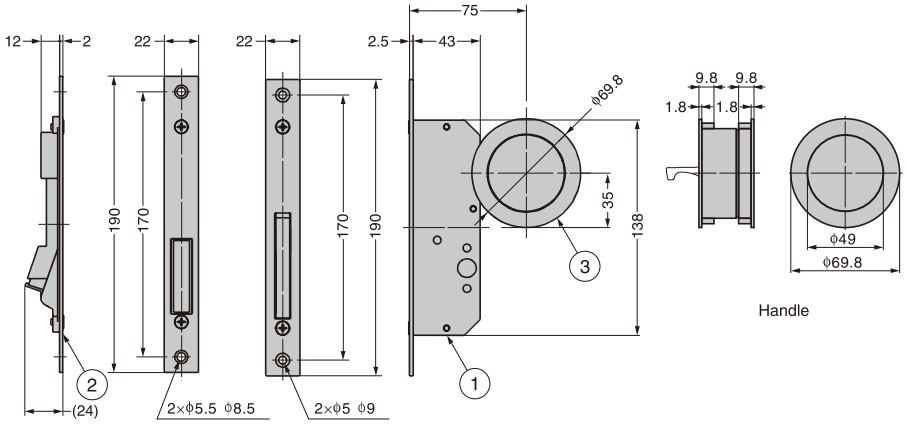
Cut Out Dimension





Handle ③ and Cover ④ (Non-handed)





Handle

Handle + case lock

Feature

Handle + case lock set

Item Code	Item Name	Weight (g)
260-024-534	MLH-SN	757

No.	Part Name	Material	Finish/Colour
①	Latch unit	Zinc alloy (ZDC)	–
②	Strike plate	Stainless steel (SUS304)	
③	Handle	Zinc alloy (ZDC)	Satin nickel finish
④	Cover	ABS plastic	Black

①–④ are included in the "Handle + case lock" 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.

MAGNETIC LATCH HANDLE MLHS Flat / Square NEW

Latest Info



Case lock Handle



Cover

Conceals the drilled hole inside the handle

- Flat latch handle with mortise lock case.
- The handle does not protrude when the door is closed.
- The magnet allows for automatic and smooth latching.
- The plastic coating on the latch reduces metallic clinking noise.
- Recommended to use together with the HES3D and HES2S-140-A125 hinge.

INSTRUCTION SCREW

Parts Included

- Cover
- Stainless steel cross-recessed tapping screws, ST 4.2 × 25 (4)
- Stainless steel cross-recessed small screws, M4 × 16 (2) (for door thicknesses 35–39 [32–36] mm)
- Stainless steel cross-recessed small screws, M4 × 20 (2) (for door thicknesses 40–45 [37–42] mm) (Note: Values in brackets are for surfaces with handles)

Installation Examples

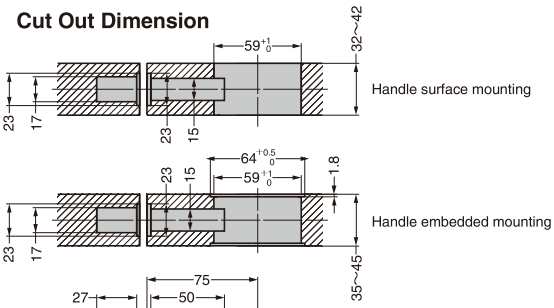


When using the handle

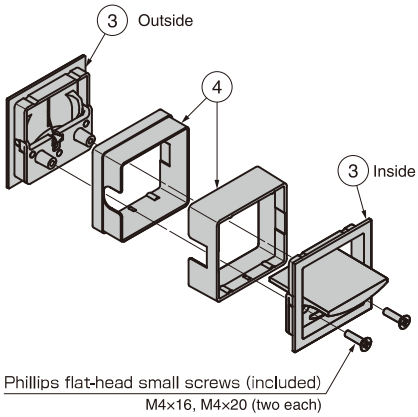


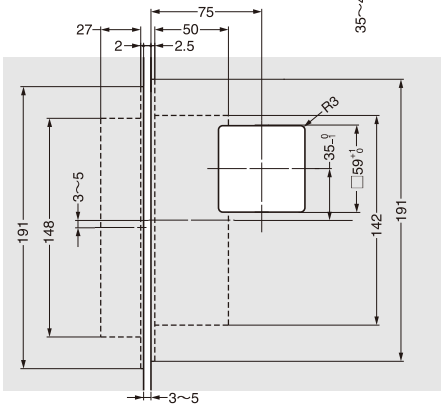
When the handle is retracted

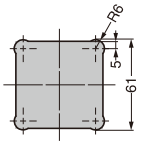
Cut Out Dimension



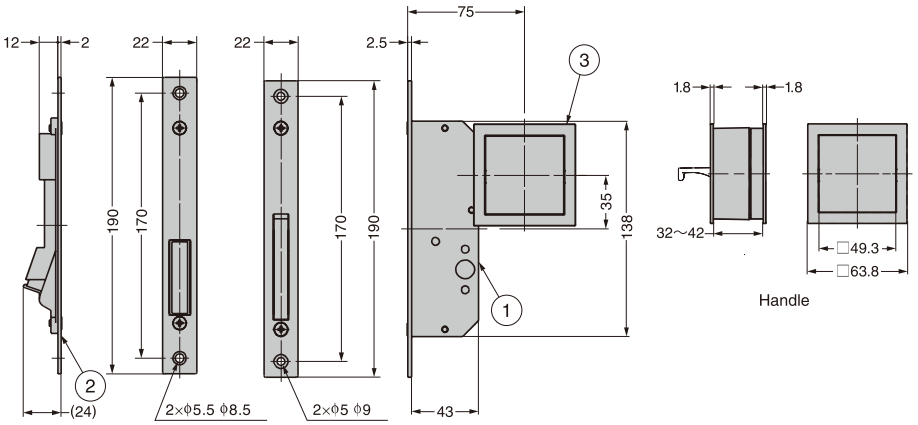
Handle ③ and Cover ④ (Non-handed)







Processing on the corner is also available with R3 (as shown on the left).



Handle + case lock

Handle + case lock set

Item Code	Item Name	Weight (g)
260-028-998	MLHS-SN	770

No.	Part Name	Material	Finish/Colour
①	Latch unit	Zinc alloy (ZDC)	–
②	Strike plate	Stainless steel (SUS304)	
③	Handle	Zinc alloy (ZDC)	Satin nickel finish
④	Cover	ABS plastic	Black

①–④ are included in the "Handle + case lock" 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.

Technical Information

1364 | TEST METHODS
1366 | SURFACE TREATMENT
1367 | MATERIALS
1368 | DOOR WEIGHT TABLE

September 2024

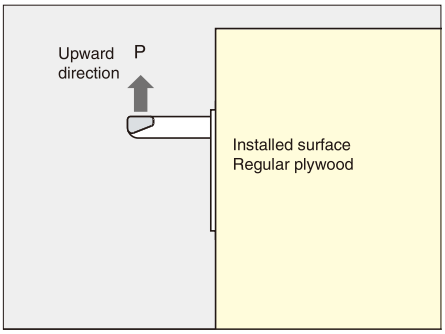
TEST METHODS

■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.

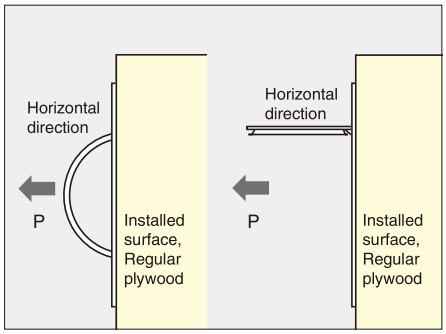
Product without TEST METHOD icon may not be based on these criteria in some cases.

TEST METHOD 1 HANDLE LOAD CAPACITY TEST



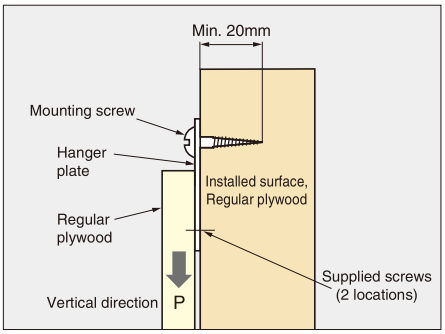
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

TEST METHOD 2 HANDLE, PULL, HOOK LOAD CAPACITY TEST



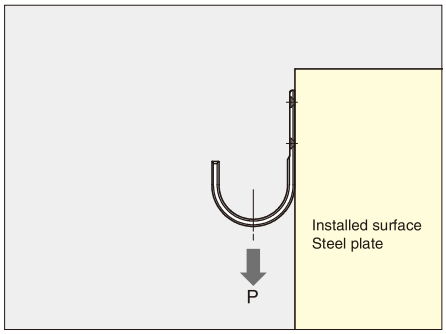
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.
Product may fail or distort if the force is applied in a direction other than the frontal direction. Please do not use on application other than in the pull direction.

TEST METHOD 3 HANGING-LOAD CAPACITY TEST



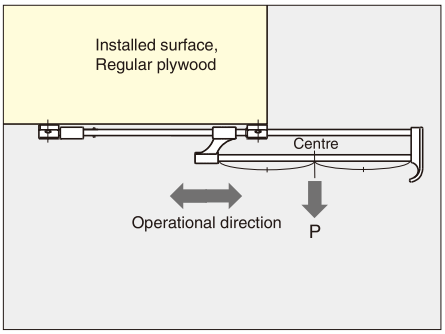
The hanging-load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure. This value will vary according to the diameter / length of the screw(s) used and strength of the installed surface.
Hanging load of 10 kgf, in case of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

TEST METHOD 4 HOOK LOAD CAPACITY TEST



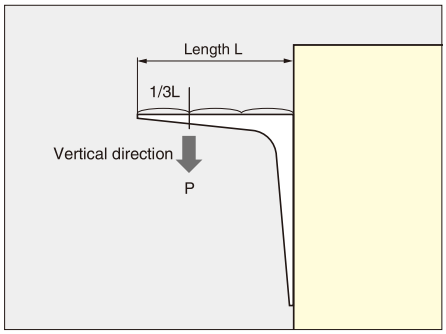
Under the conditions shown in the figure, a force (P) is gently applied to the centre of the hanging part in the vertical direction. The indicated load capacity value is about one-third of the limit load value (safety factor: 3). Therefore, this safety factor changes depending on the usage conditions.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

TEST METHOD 5 MAXIMUM HANGING-LOAD TEST



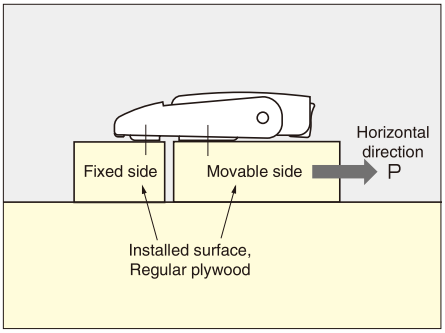
The maximum hanging-load capacity is measured when the force (P) is gently applied in the direction of the arrow and operated under the condition indicated by the figure. If the load is concentrated at the front tip of the hanger, the front tip may sag or the movement may become heavy.

TEST METHOD 6 BRACKET LOAD CAPACITY TEST



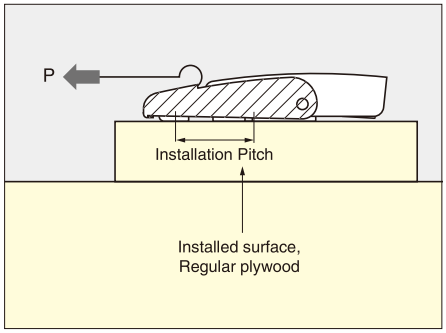
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.
(This is based on the force (W) applied at the centre of the shelf board with its length 4/3 times longer than the shelf bracket or angle bracket.)

TEST METHOD 7 FASTENER LOAD CAPACITY TEST



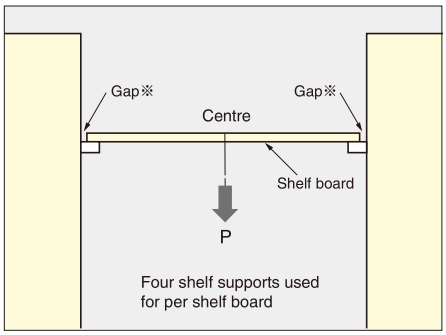
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

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



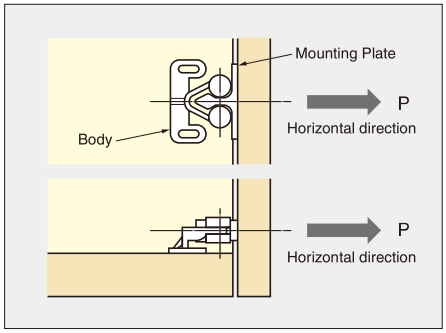
The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.
Follow the conditions below to prevent the shelf supports or shelf board from falling off.

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.

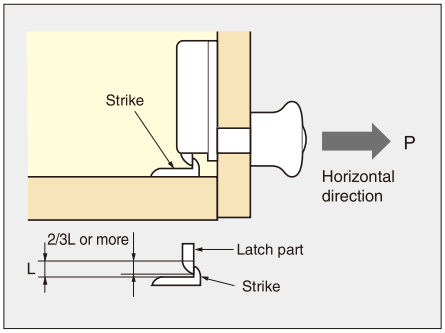
TEST METHOD 10 CATCH FORCE TEST



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.

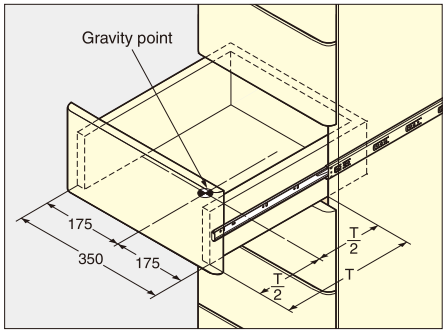
TEST METHOD 11 RETAINING FORCE TEST



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).

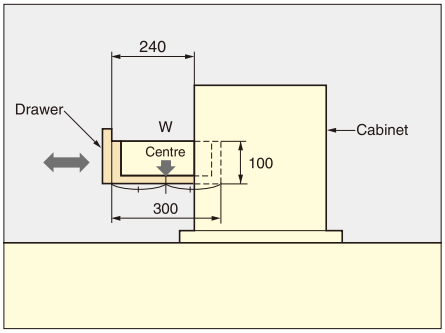
TEST METHOD 12 DRAWER SLIDE LOAD CAPACITY TEST



Calculation of slide centre of gravity

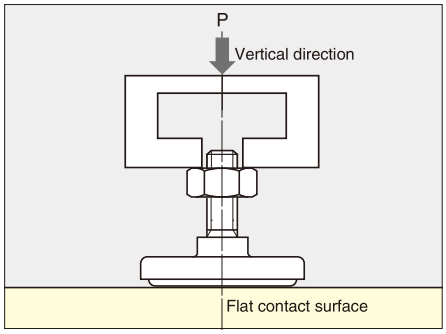
The load capacity is measured based on the condition:
- Continuous open-close: 50,000 cycles
- Speed: 10 cycles per minute
- Load is applied on the gravity point. The figure of load capacity includes drawer itself.
- Drawer width: 350mm

TEST METHOD 13 DRAWER SLIDE LOAD CAPACITY TEST



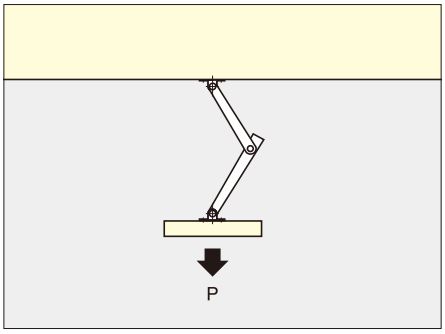
The load capacity is measured when the weight (W) is applied at the centre of the drawer under the condition indicated by the figure and the operation to pull out the drawer by 240mm is repeated. The gap between drawer and cabinet shall be 1 mm or less.

TEST METHOD 14 LEVELLING GLIDE LOAD CAPACITY TEST



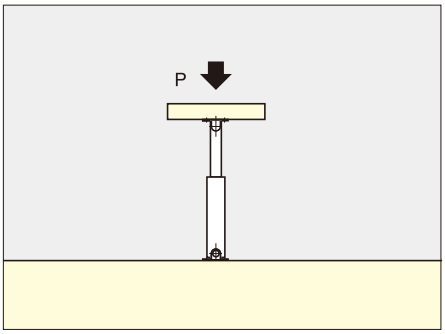
The load capacity is measured when the force (P) is applied in the direction of the arrow under the condition indicated in the figure.
Product may break or distort if the contact surface is not flat.

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



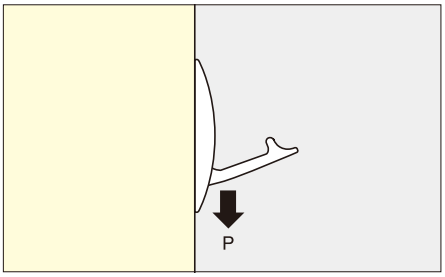
The compression load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

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

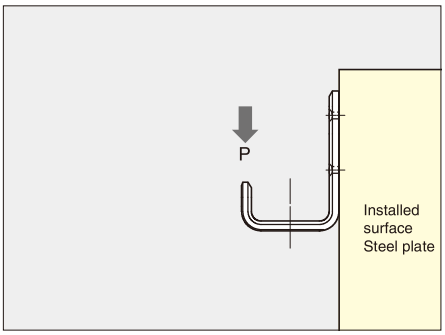


The load capacity is measured when the force (P) is gently applied in the direction of the arrow under the condition indicated by the figure.

Load capacity kgf = Ultimate Load ÷ 3

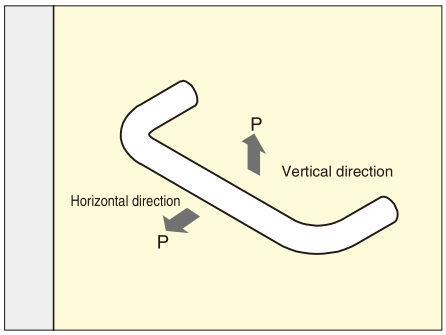
However, the safety factor will vary depending on the conditions of use.
When used under adverse conditions, please test the hook in intended application.

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

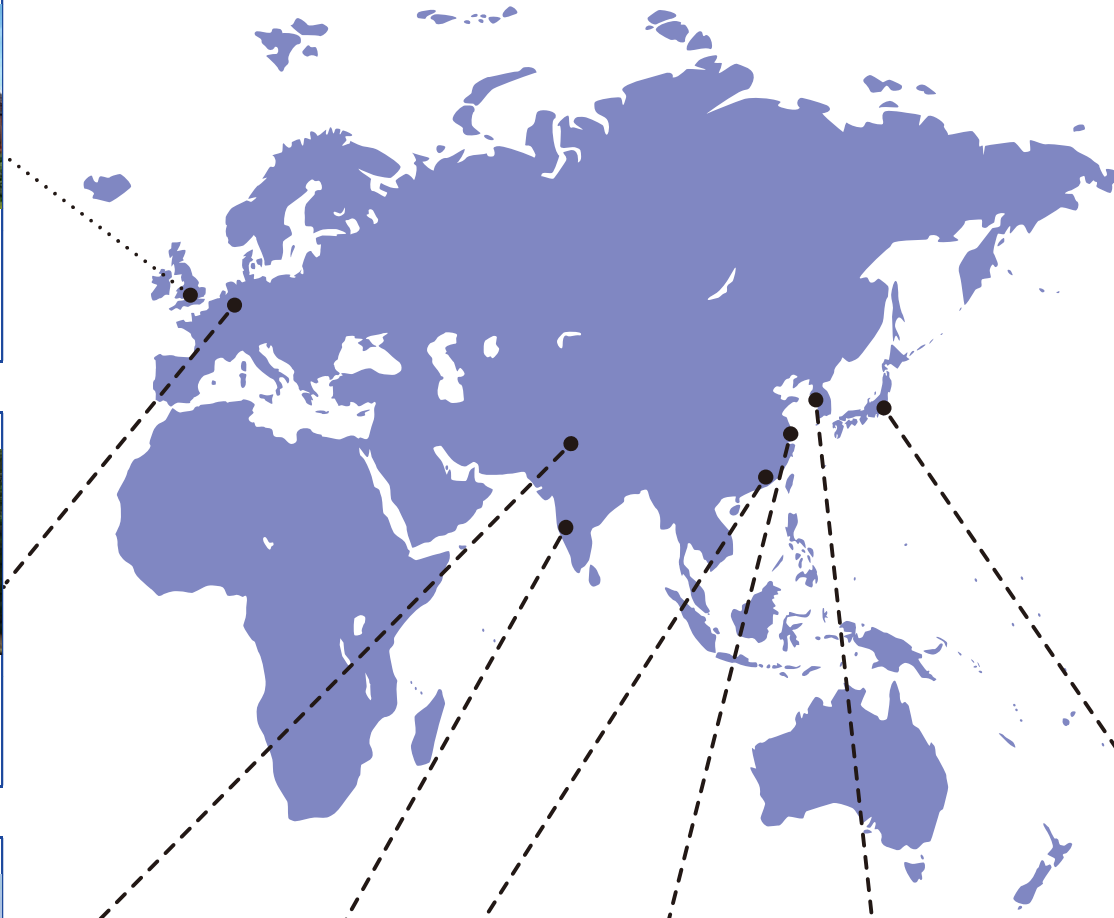
Glass Door Weight (kg)

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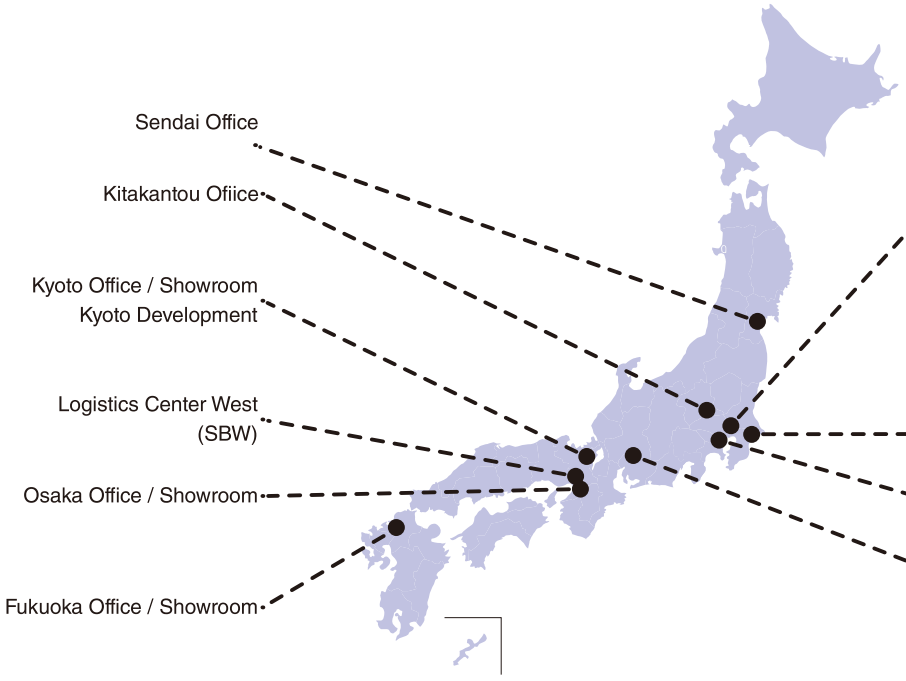
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Kyoto Development
Logistics Center West
(SBW)
Osaka Office / Showroom
Fukuoka Office / Showroom

Tokyo Head Office / Showroom
Tokyo Development

Export Department
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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

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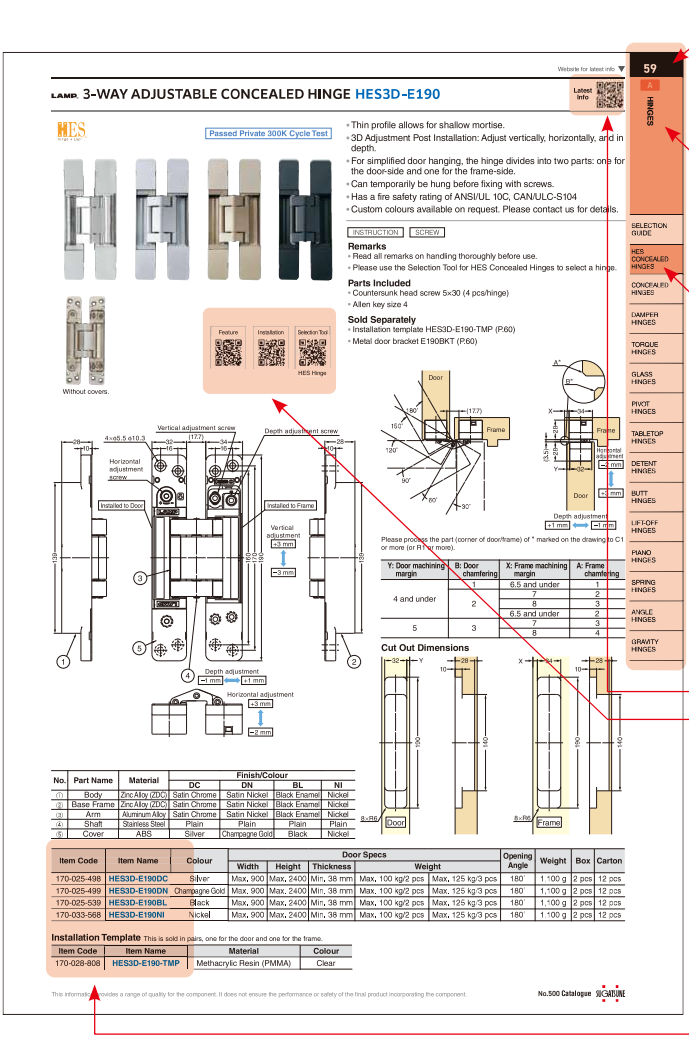
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Description of Main Text

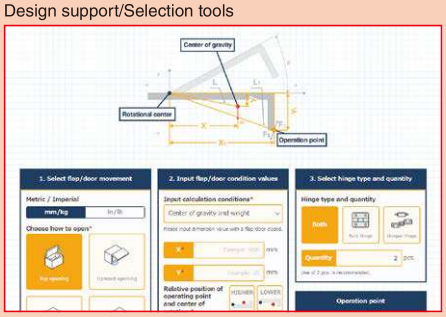


Viewable from the QR code.

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

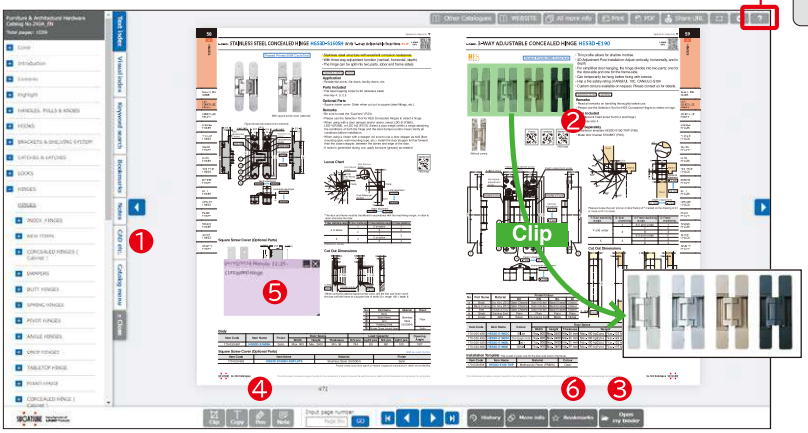
• Please specify the Item Name. and quantity when ordering.

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❸ MyBinder
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See Help for other functions and operation methods.

❹ Pen
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❺ Note
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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



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