



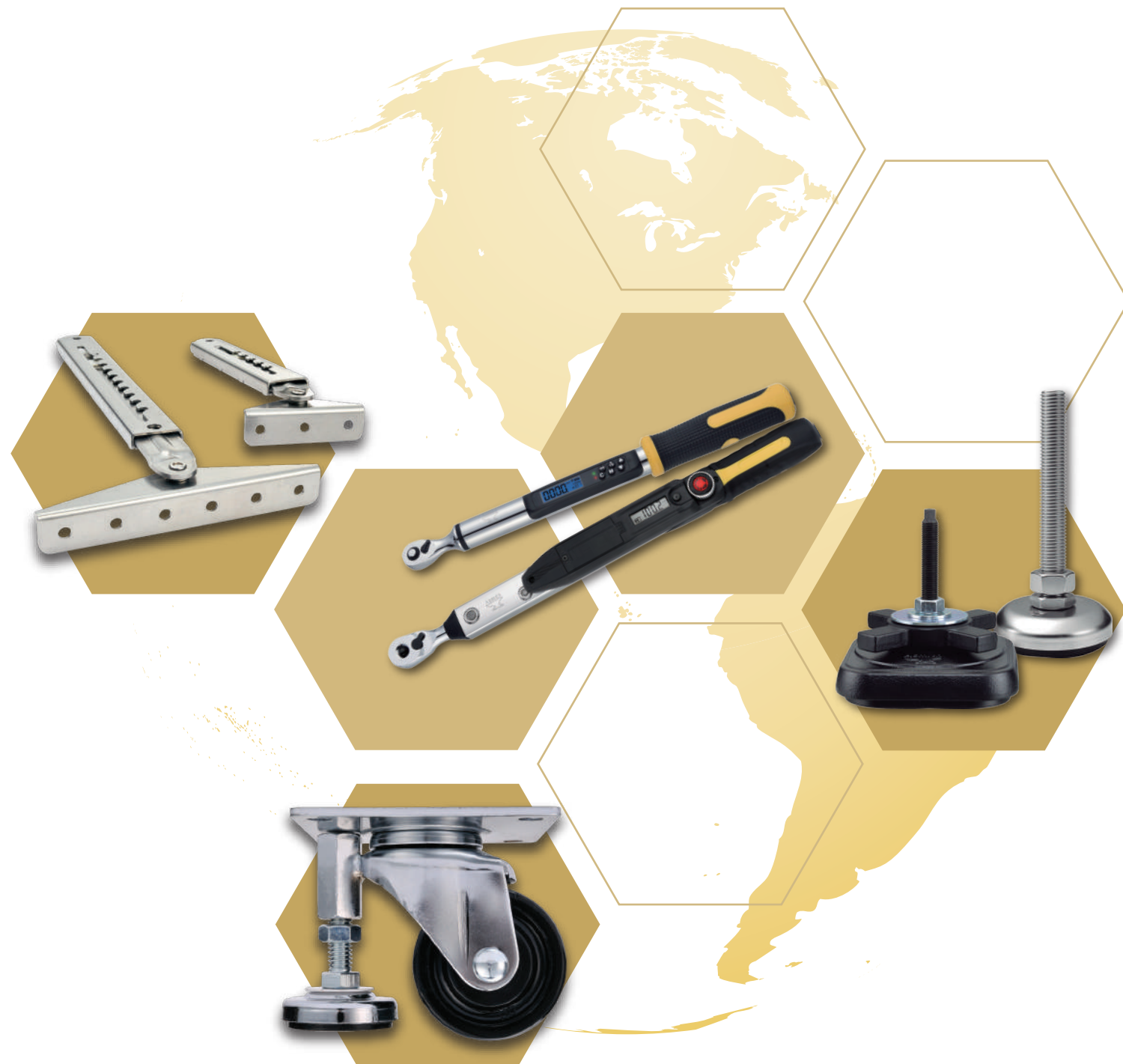
鐵匠牌

2025/8

ASMITH 中英文型錄

Asmith 鐵匠牌 INDUSTRIAL HARDWARE

SINCE 1981 台灣設計製造 · 先進國家品質



鐵匠
Asmith
Industrial Hardware
Professional Manufacture & Sale.

工業五金專業製造銷售
鐵匠製良品 · 質優惠客群



Asmith Industrial Hardware
www.asmith.com.tw

金石門企業股份有限公司 ASMITH MANUFACTURING COMPANY

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No. 48, Gongyequ 39th Rd, Xitun District, Taichung City 407279, Taiwan



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金石門企業股份有限公司

ASMITH INDUSTRIAL HARDWARE
PROFESSIONAL MANUFACTURE & SALE

Tailored Torque for Light Touch
為輕型門板提供恰到好處的阻尼感



多規格
Versatility

輕應用
Lightweight

微阻尼
Micro Torque

拉壓門鎖 Push to Close Latches



人體工學
Ergonomic

外觀圓滑，舒適不傷手
Smooth and gentle on the hands



安全握柄
Safe

輕鬆拉壓，無憂被彈傷
Easy to pull and push without injury



經久耐用
Durable

304不鏽鋼 / 鍍鋅雙塗層，都耐用
SUS304 / SPCC double coating, both are durable.



替換方便
Simple

同規格安裝孔，不用鑽孔
Same installation holes, no drilling required



使用廣泛
Universal

檔片可用簡易工具調位置
Simple tool for adjusting the position of the pawl

BS-121



BT-121

BT-122

No. BS-17



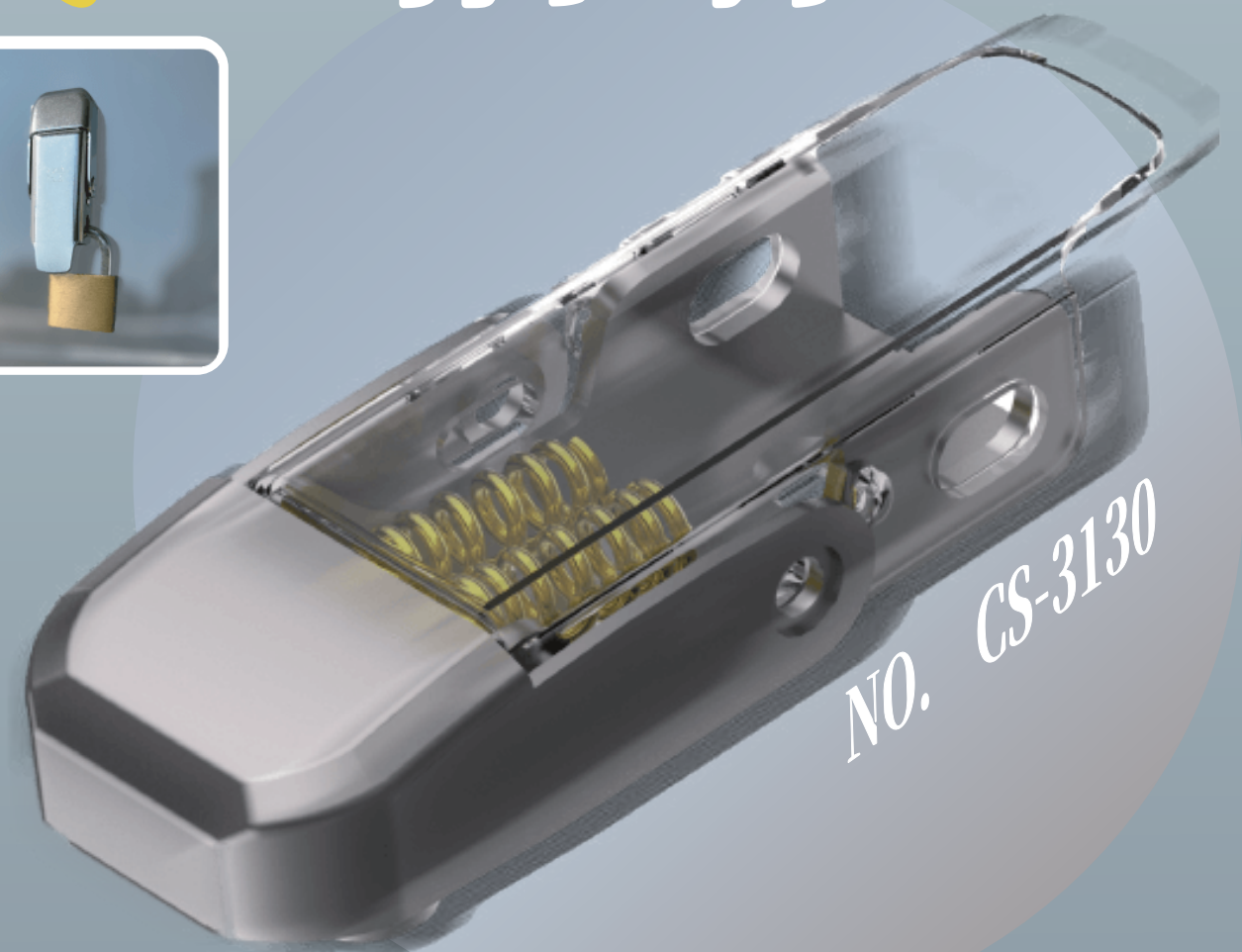
IP66

快速安裝 Quick installation
不鏽鋼304 SUS304
防水防塵 IP66

巧妙隱藏

Hidden = Safer

安全倍增



SAFE 1

隱藏所有螺絲痕跡
使搭扣無法任意被拆卸
Screws inside, Can't steal.

SAFE 2

加裝掛鎖後，也可
輕鬆轉變為門鎖使用
Add a padlock,
Becomes a door lock.

SAFE 3

彈簧隱藏在內，提供
美觀及迫緊功能
Concealed spring,
Simple and shock-absorbing.

Page 77

Secure

防彈開／裝直角／易開關
Prevent popping
Install right angle
Simple switch



No. CS-52/CT-52



Page 69

Adjustable

調整鬆緊 Adjust tightness
加銅掛鎖 Copper padlock
一壓即鎖 One-touch lock

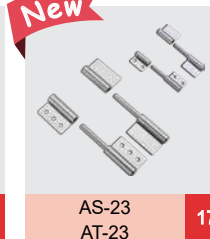
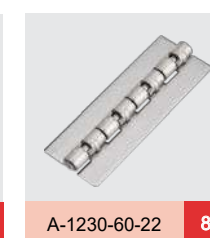
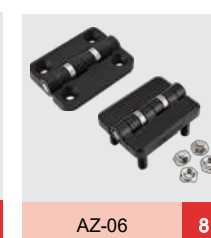
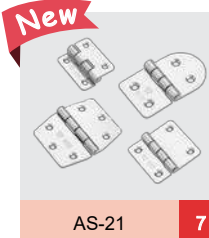
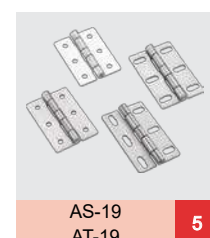
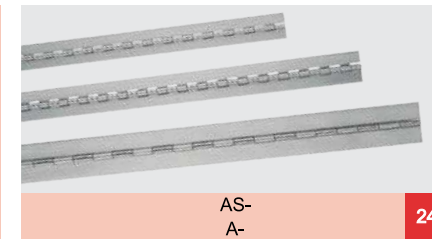
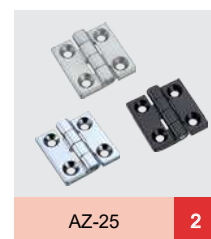


Digital Torque Wrench
P131 數位扭力扳手

校正機
Calibration System
P150



A 鉸鏈系列 HINGES



※本公司目錄所標示引張荷重及荷重，為測試預估值，提供參考。實際依照產品使用因素與環境為準。

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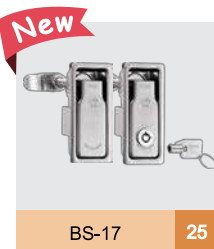
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B 門鎖系列

DOOR LATCHES

迫緊門鎖
Compression
Latches



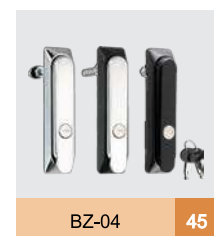
轉舌門鎖
Pawl / Cam
Lock Latches



轉舌迫緊門鎖
Compression
Pawl / Cam
Lock Latches



天地栓門鎖
Swinghandle
Multi-point
Latching Systems



拉壓門鎖
Push to Close
Latches



防水條
Seals



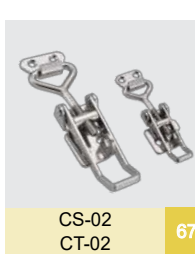
C 搭扣系列

DRAW LATCHES

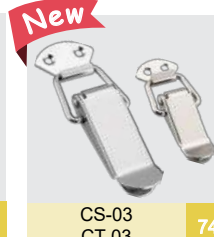
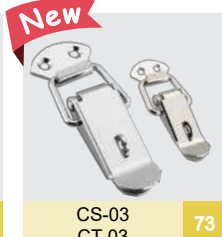
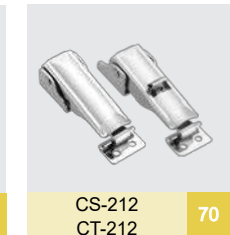
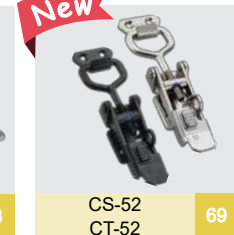
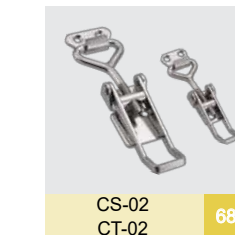
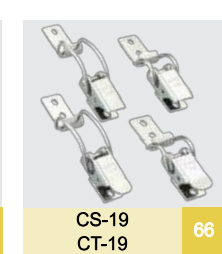
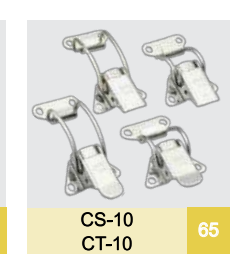
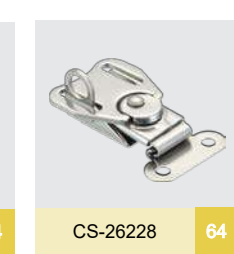
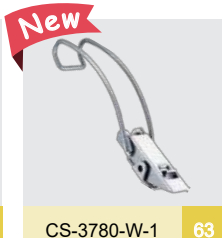
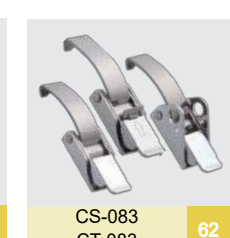
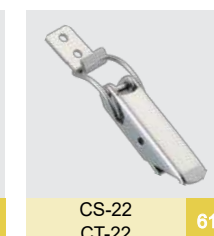
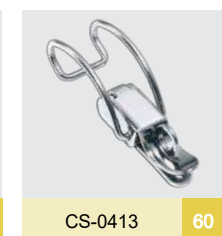
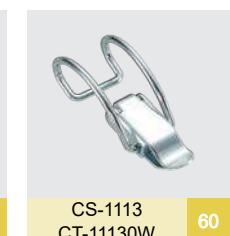
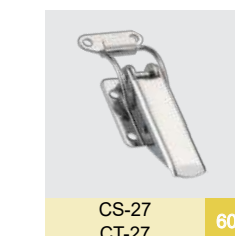
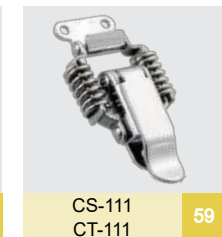
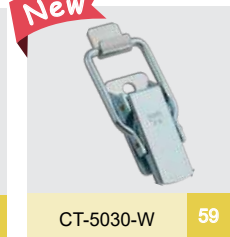
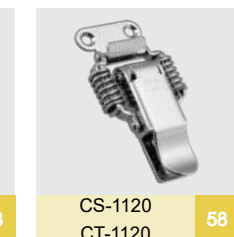
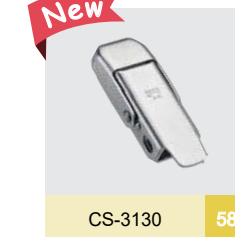
迫緊搭扣
Draw Latches
(Spring Loaded
Type)



調整搭扣
Draw Latches
(Adjustable Type)



線環搭扣
Line Latches
(Wire Loop)

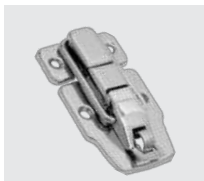


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 CS-67 C-67 75	 C-121 75	 C-131 75	 CS-340 C-341、C-340 76	 C-0511 76	 C-32 76	
 C-4112 76	 CS-3610 77	 C-40 77	 C-24 77	掀把搭扣 Lift-and-Raise Latches		 C-6510 78
 C-1510 78	 C-1621 78	 C-191 78	 CS-1810 C-1811、C-1810 79	 C-1820 79	 CT-2310 79	
選配鉤座 Applicable Latch Keepers		 CS-0120-2 CT-0120-2 80	 CS-0120-3 CT-0120-3 80	 CS-0120-4 CT-0120-4 80	 CS-0120-6 CT-0120-6 80	 CS-0120-7 CT-0120-7 80
 CS-0130-2 CT-0130-2 80	 CS-111-2 CT-0412-2 80	 CS-1120-2 CT-1120-2 80	 CS-22-2 CT-22-2 81	 CS-22-3 CT-22-3 81	 CS-00207-2 CT-00207-2 81	
 CS-27100-2 CT-27100-2 81	 CS-0210-2 CT-0210-2 81	 CS-0220-2 CT-0220-2 81	 CS-0230-2 CT-0230-2 81	 CS-0240-2 CT-0240-2 81	 CS-0210-3 82	
 CS-0220-3 82	 CS-0230-3 82	 CS-21100-W-2 82				

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D腳座系列 LEVELING FEET

D 腳座系列 LEVELING FEET		重型調整防震腳座 Heavy-Duty Anti-Vibration Leveling Feet  DK-0783	
 DK-0985	尼龍防震腳座 Nylon Base Anti-Vibration Leveling Feet  DK-01DS-0186	 DK-02DS-0287	萬向防震腳座 Adjustable Swivel, Anti-Vibration Leveling Feet  DK-08DS-0888
萬向腳座 Articulating Leveling Feet  DK-10DS-1089	尼龍萬象防震腳座 Adjustable Swivel, Nylon Base Anti-Vibration Leveling Feet  DK-04DS-0490	 DK-05DS-0591	

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E 把手系列 HANDLES

握柄把手
Grab Handles



EF-120
ES-121 93



ES-122、
ES-123、ES-124 94



E-69 95



EA-45 96



E-40
E-41 97



ES-6319
ES-6319253D 98



EP-021 99



ES-3716 99



EP-04 100



ES-2068 100



棒材把手
Round-Bar
Handles



ES
ET 101



ES-E 102



ET-44100W 102



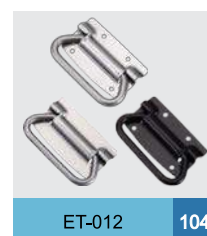
ET-3608100W 103



ES-35100
ET-35100 103



箱丸把手
Trunk Carrying
Handles



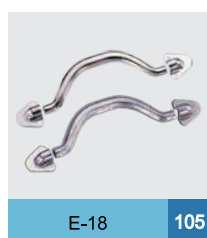
ET-012 104



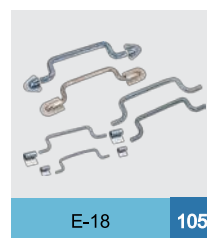
ES-D101
ET-D101 104



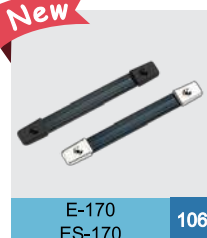
拉起把手
Pull Handles



E-18 105



E-18 105



New

E-170
ES-170 106



ES-4309100 106



E-15
E-16 107



嵌入把手
Pocket Pulls



ES-0831 108



ES-0730 108



EP-05 109



ES-09300 109



ES-06 110



ES-13 111

F 支撐器系列 STAYS

支撐器
Stays



FS-01
FT-01 112

G 腳輪系列 CASTERS

調整腳輪
Caster With
Leveling Glides



GN-A 114

高荷重腳輪
Heavy Duty
Casters



GR-SA
GR-A 115



GN-SA
GN-A 116



GX-T32 117

中荷重腳輪
Medium Duty
Casters



GN-SEA075 118



GN-SEA065 119



GN-EB065 120



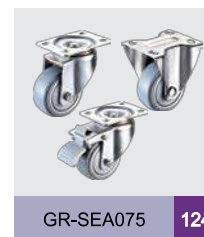
GN-A32 121



GN-A252 122



GP-A3 123



GR-SEA075 124



GR-75 125



GU-A3 126



GTU-A3 127



輕荷重腳輪
Light Duty
Casters



GP-B5 128



GU-SEA065 129



GU-EB065 130

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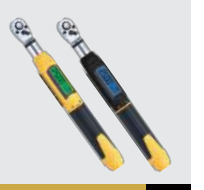
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W 數位扭力扳手 e-Wrenches

扳手選擇方法
How To Choose
A Torque Wrench

132

電速數位扭力扳手
(WiFi+藍牙款)
Power Speed
Digital
Torque Wrench
(WiFi+Bluetooth)

 WA-E(BW) 135	機電扭力扳手 (藍牙款) Mechanical Torque Wrench (Bluetooth)	 WD-Q-BT 138	 WD-I-BT 139	一般型(藍牙) 數位扭力扳手 Standard(BT) Digital Torque Wrench	 WM-Q(-BT) 143
 WQ 143	 WQ-BT 144	 WA 144	換頭型(藍牙) 數位扭力扳手 Interchangeable (BT) Digital Torque Wrench	 WM-I(-BT) 145	 WI 145
 WI-BT 146	扭力接頭 Insert tools	 W-Y W-R、W-YR 146	起子型(藍牙) 數位扭力起子/ 扳手 Bit Type(BT) Digital Torque Screwdriver/ Wrench	 WM-SD(-BT) 147	 WM-B(-BT) 147
BIT起子頭 工具架套組 Screwdriver Bit Set	 W-SB 148	數位扭力顯示器 Digital Torque Adapter	 WS 149	 WS-A 149	扳手校正機 Torque Calibration System
 WC-S 151	 WC-SS 151	 WC-LD 152			

鐵匠

MEMO

Asmith Industrial Hardware

Asmith

產品編號設定舉例說明：例如AS-2530

■ 第一個英文字為大類產品項：A-鉸鏈類，B-門鎖類，C-搭扣類，D-腳座類

E-把手類，F-支撐器，G-腳輪類，W-扳手類

■ 第二個英文字為材質簡稱：S-不鏽鋼，Z-鋅合金，A-鋁合金，P-強化塑膠

D-青銅，K-合金鋼，T或是沒英文字-鋼鐵

■ 腳輪第二個英文字為輪子材質簡稱：N-尼龍輪，X-電木輪，R-橡膠輪

U-PU輪，TU-TPU輪，P-塑膠輪

■ (PS. 扳手類第二個英文字不適用於此規則)

產品頁右上角符號說明 (Icon meanings in upper-right corner)：

 SUS304：304不鏽鋼 (SUS304)

 SUS316：316不鏽鋼 (SUS316)

 鋁合金 (Aluminum Alloy)

 RoHS：產品符合RoHS規範 (RoHS compliant)

 具防水防塵能力 (Dust-resistant and waterproof)

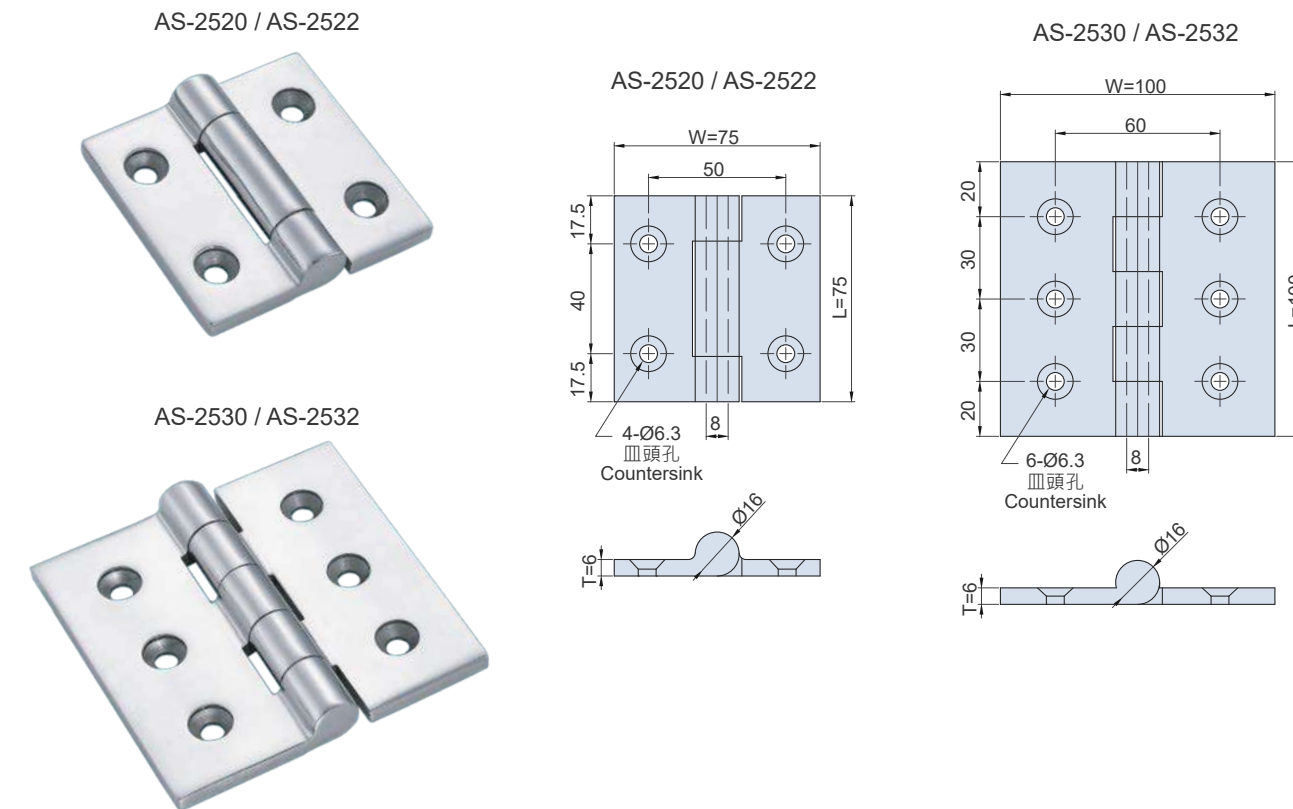
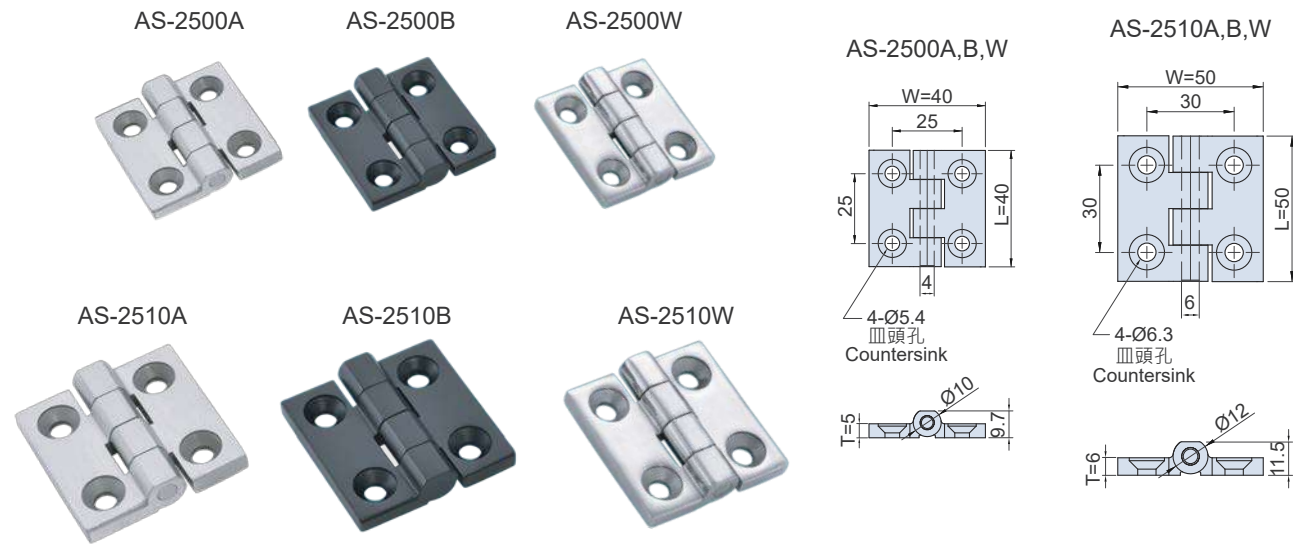
 PAT：專利設計 (Patent Certificate)

 1年保固：產品有一年保固 (One year warranty)

 UL94 HB：材料符合UL94 HB防火等級 (Compliant with UL94 HB standards)

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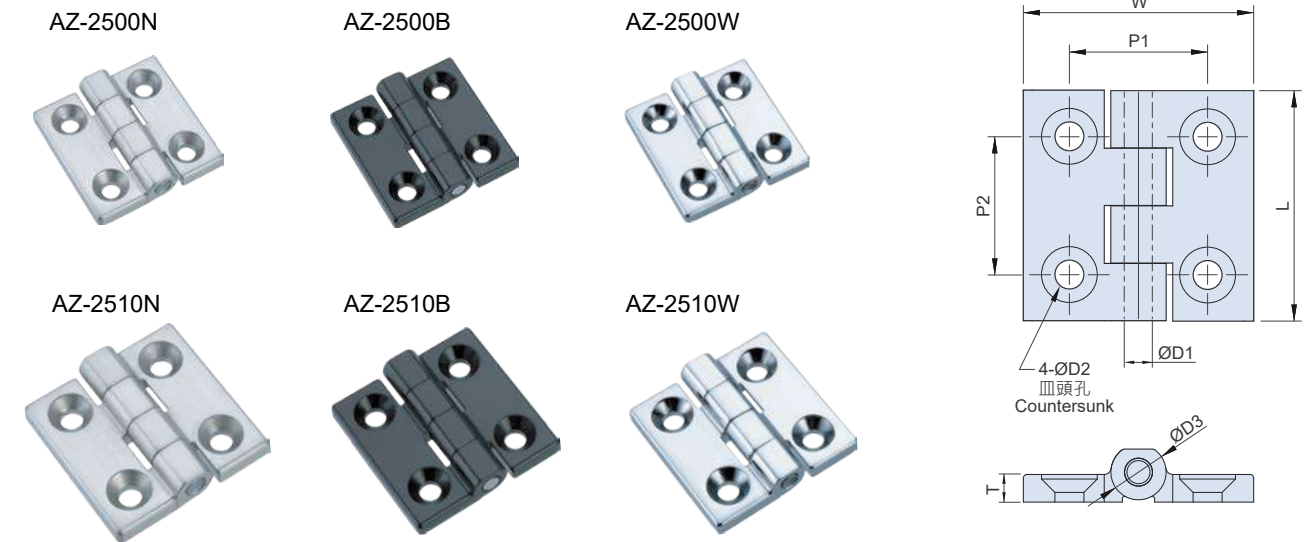
SPECIFICATION:					Unit:mm	
產品編號 Item No.	材質 Material	表面處理 Finish	產品荷重 Load Capacity (kg/2pcs)	重量 Weight (g)		
AS-2500A	SUS316	毛絲面 Brushed finish	50	60		
AS-2500B		砂面黑色 Black coated				
AS-2500W		亮面拋光 High gloss polished				
AS-2510A	SUS304	毛絲面 Brushed finish	60	116		
AS-2510B		砂面黑色 Black coated				
AS-2510W		亮面拋光 High gloss polished				
AS-2520	SUS304	亮面拋光 High gloss polished	65	290		
AS-2522	SUS316		85	450		
AS-2530	SUS304					
AS-2532	SUS316					

特徵

- 脫蠟鑄造，具有細緻的美觀表面。
- 鉸鏈片之間具有極密間隙，當安裝於機械鉸金、門板後，密合的間距，也可解決門板上下搖晃、無法正確對準門框的問題。

FEATURES

- Dewaxing casting, meticulous appearance.
- The middle gap between butt and butt is very close.



材質

- 軸心：
AZ-2500：不銹鋼(SUS303)
AZ-2510：不銹鋼(SUS304)

MATERIAL

- Pin:
AZ-2500：SUS303
AZ-2510：SUS304

SPECIFICATIONS:

產品編號 Item No.	顏色 Color	材質 Material	表面處理 Finish	L	W	P1	P2	D1	D2	T	產品荷重 Load Capacity (kgf/2pcs)	重量 Weight (g)
AZ-2500	N,B,W	鋅合金 Zinc Alloy	N(毛絲鍍 Nickel polish) B(消光黑 Black)	40	40	25	25	4	5.3	4.8	40	49
AZ-2510			W(亮鍍 Bright chrome)	50	50	30	30	6	6.3	6	50	98

Unit:mm

AS-2940 特裝車欄板鉸鏈 Truck Deck Door Hinge

SUS304 RoHS

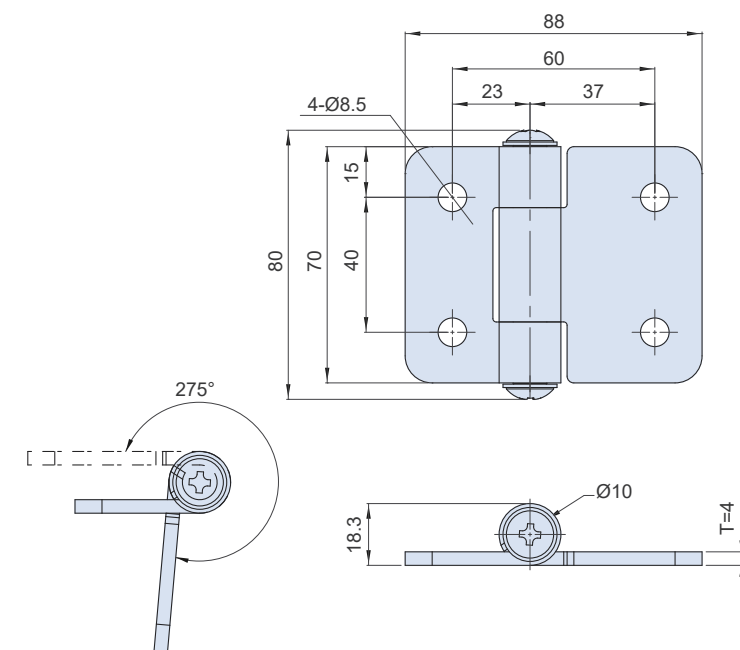


特徵

- 耐腐蝕性強。
- 軸心螺絲經過特殊處理，可阻絕螺絲鬆脫（※請勿自行將螺絲鬆脫）。
- 適用於工具機、欄板車、冷藏車、運輸設備。

FEATURES

- Strong corrosion resistance.
- Suitable for middle & small sized vehicles side panel, truck and transportation equipment.

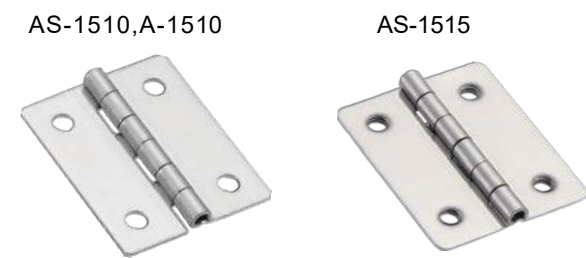
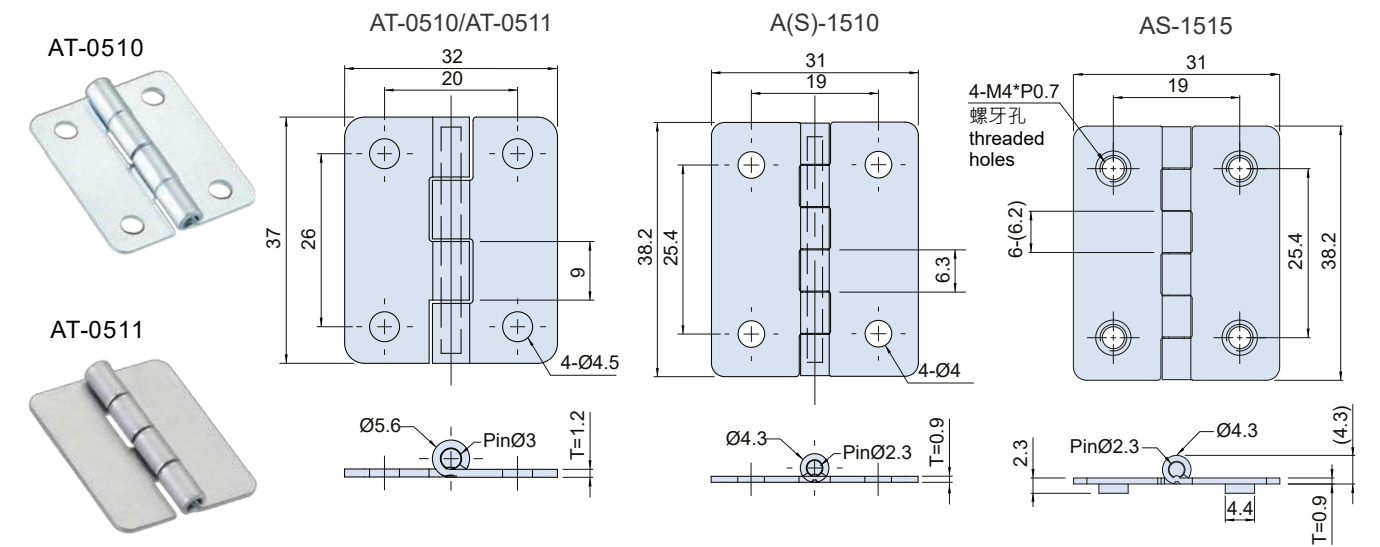


SPECIFICATIONS:

產品編號 Item No.	材質 Material	表面處理 Finish	產品荷重 Load Capacity (kgf/2pcs)	重量 Weight (g)
AS-2940	SUS304	震動亮面 Vibration ground	90	283

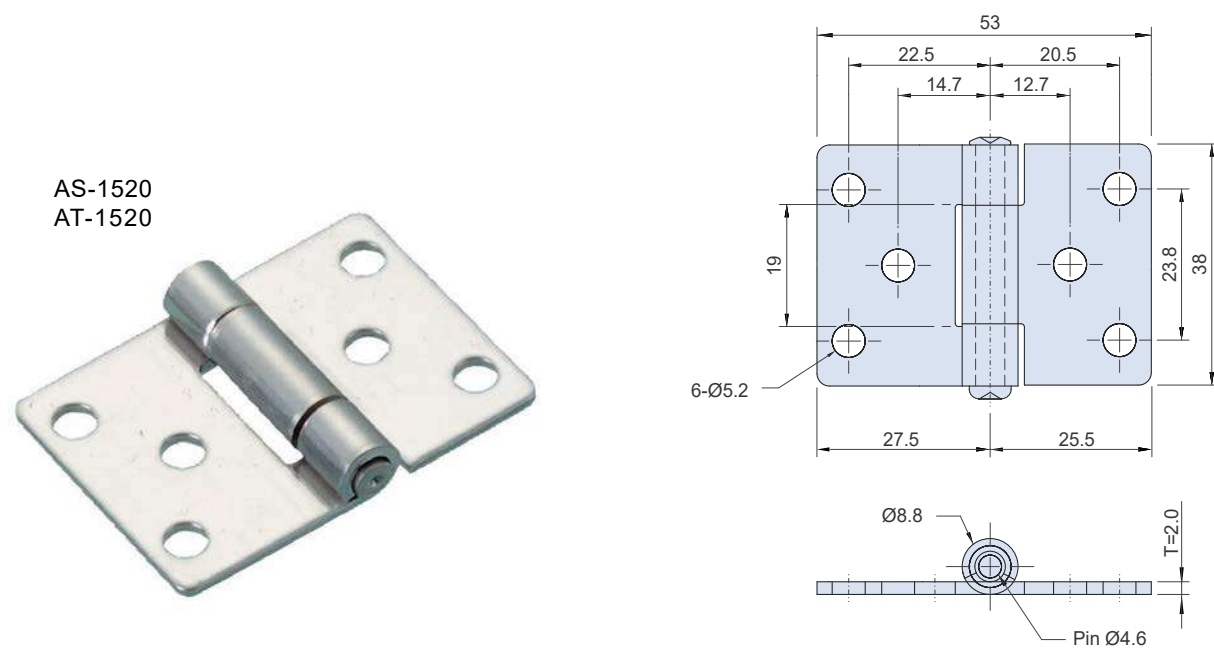
Unit:mm

AT-05 Series 平面鉸鏈 *Butt Hinge*
A(S)-15



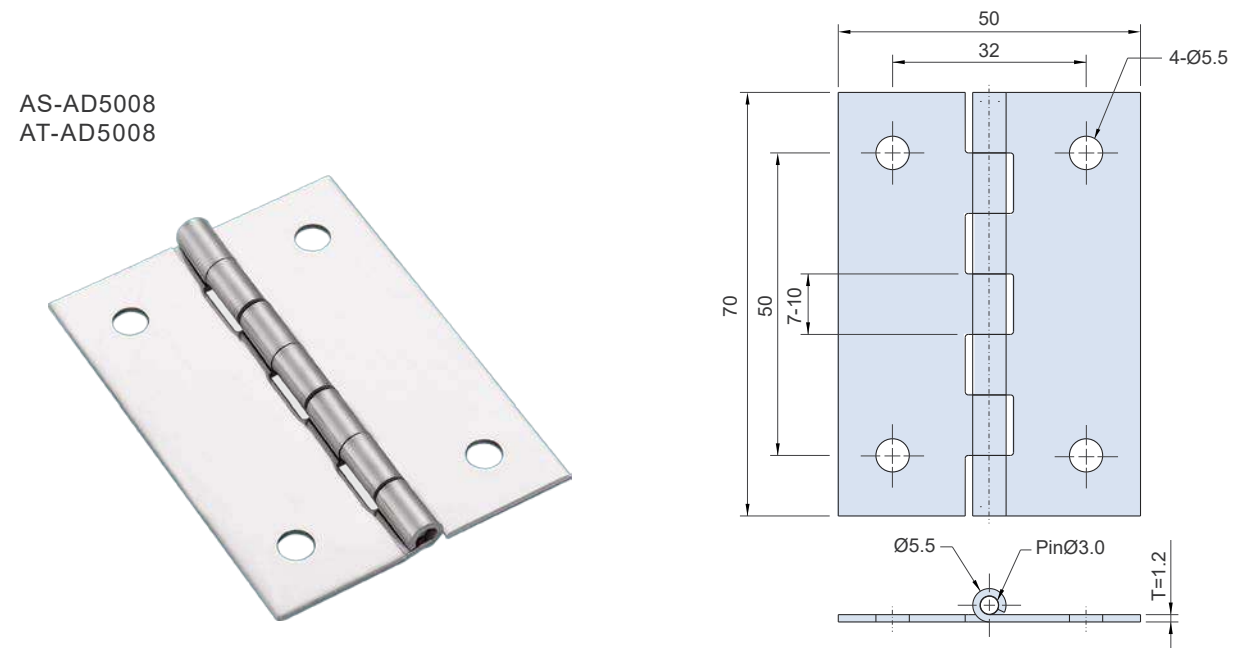
SPECIFICATION:				Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)	
AT-0510	SPCC	鍍鋅 Zinc plated	15.6	
AT-0511	SPCC	材料本質 Natural	16	
A - 1510	SUS430	震動亮面 Vibration ground	10.8	
AS-1510	SUS304		11	
AS-1515	SUS304		11.4	

AS-1520 平面鉸鏈 *Butt Hinge*
AT-1520



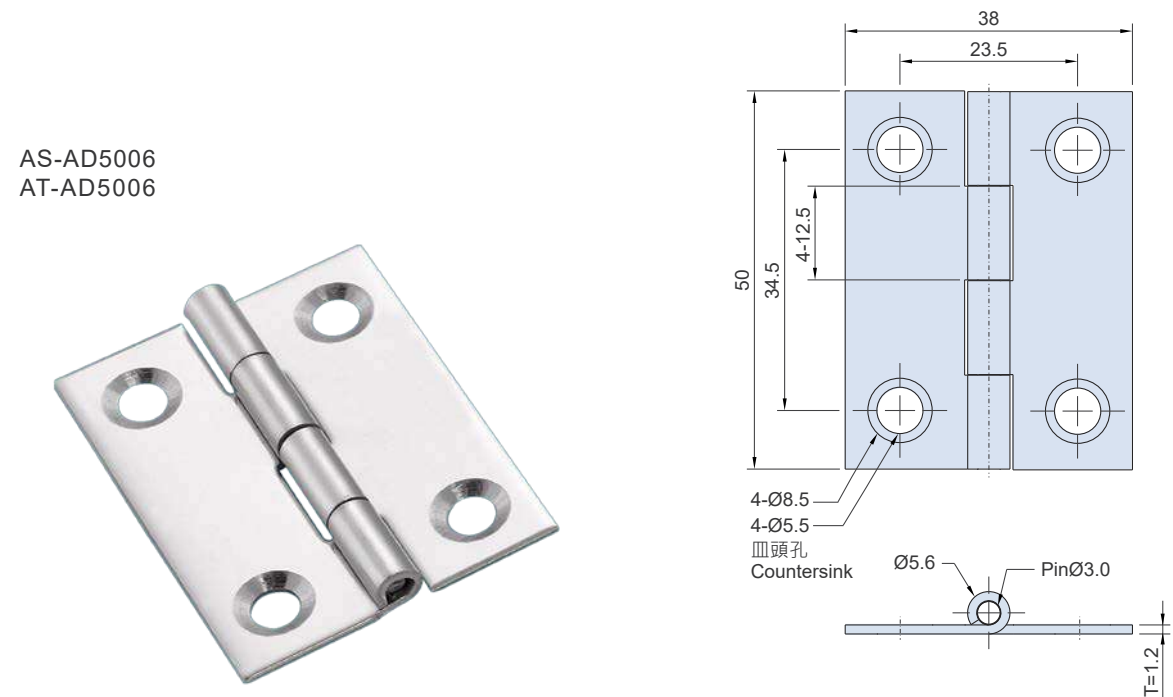
SPECIFICATION:				Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)	
AS-1520	SUS304	震動亮面 Vibration ground	40	
AT-1520	SPCC	鍍鋅 Zinc plated		

AS-AD5008 平面鉸鏈 *Butt Hinge*
AT-AD5008



SPECIFICATION:				Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)	
AS-AD5008	SUS304	亮面 Vibration ground	40.2	
AT-AD5008	SPCC	鍍鋅 Zinc plated		

AS-AD5006 平面鉸鏈 *Butt Hinge*
AT-AD5006



SPECIFICATION:				Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)	
AS-AD5006	SUS304	亮面 Vibration ground	23	
AT-AD5006	SPCC	鍍鋅 Zinc plated		

AS-
A- Series 平面鉸鏈 Butt Hinge



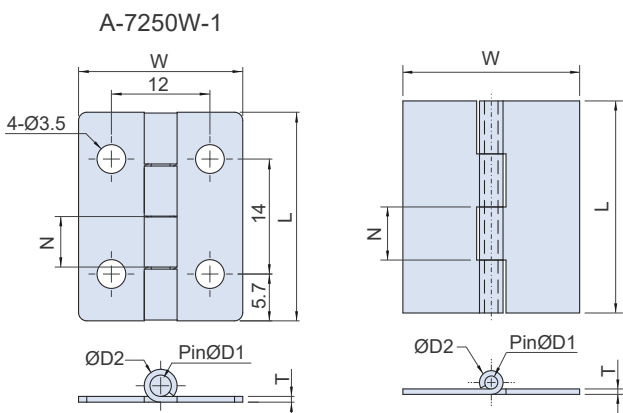
A-7250W-1



AS-1621



A-2721



SPECIFICATIONS:										Unit:mm		
產品編號 Item No.	材質 Material	表面處理 Finish	尺寸 Dimensions							重量		
			L	W	T	D1	D2	N	Weight(g)			
A-7250W-1	SPCC	鍍鎳 Nickel plated	25.4	20	0.7	2.3	4	6.35	4.2			
A-7251		21		4.5								
A-4361		36	23	0.4	3.5		4.3					
A-6361			0.6	3.7	6.1							
A-9361-1			23.5	0.9	4.3		8.6					
AS-1621	SUS304	材料本質 Natural	30	1	2.3	4.4	10	21.5				
A-1811	SPCC		60			35	4.5	12.5	14.6			
A-2611			50	23		3	5.2	12.5	16.8			
A-2621				29						1.2	5.6	20
A-2711				32								
A-2721			38									

AS-19
AT-19 Series 平面鉸鏈 Butt Hinge

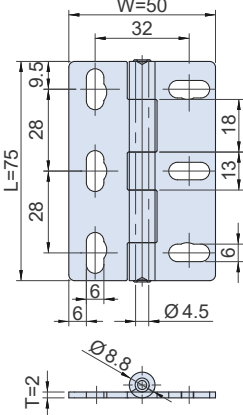
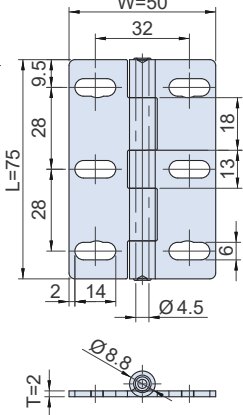
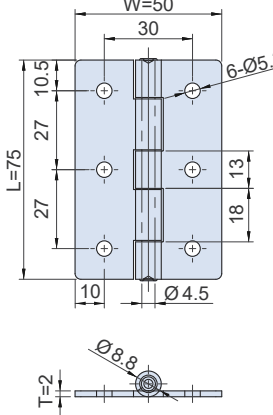
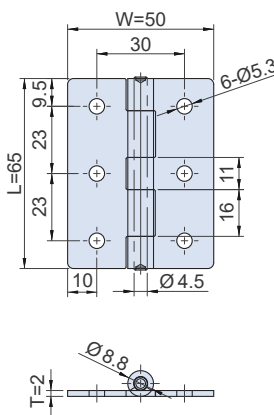


AS-1930 / AT-1930

AT-1940 / AS-1940(W)

AS-1941(W)

AS-1942(W)



AT-1940
AS-1940(W)

AS-1941(W)

AS-1942(W)



SPECIFICATION:					Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)		
AS-1930	SUS304	震動亮面 Vibration ground	69.2		
AT-1930	SPCC	鍍鋅 Zinc plated			
AS-1940	SUS304	毛絲面 Brushed finish	79.2		
AS-1940W	SUS304	震動亮面 Vibration ground			
AT-1940	SPCC	鍍鋅 Zinc plated	75		
AS-1941	SUS304	毛絲面 Brushed finish			
AS-1941W		震動亮面 Vibration ground			
AS-1942		毛絲面 Brushed finish			
AS-1942W		震動亮面 Vibration ground			

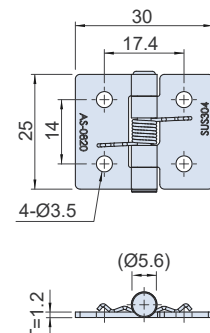
AS-08 Series 平面彈簧鉸鏈 Butt Hinge (with spring)



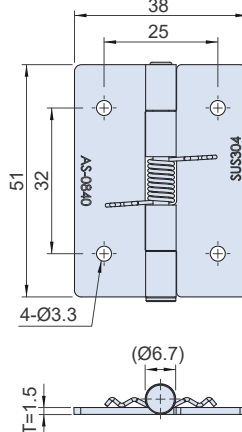
AS-0820



AS-0820



AS-0840



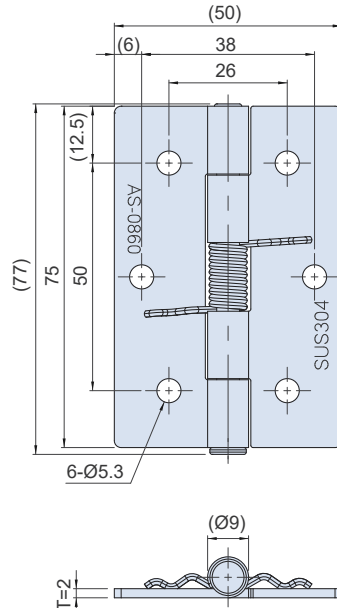
AS-0840



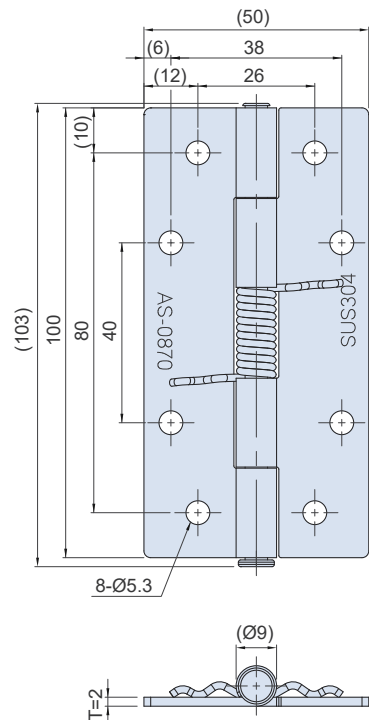
AS-0860



AS-0860



AS-0870



AS-0870



SPECIFICATIONS:							Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	θ	扭力(鉸鏈打開角度) Torque(Hinge opening angle) (kgf.cm)		荷重 Load Capacity (kgf/2pcs)	重量 Weight(g)
				θ=180°	θ=270°		
AS-0820	SUS304	震動亮面 Vibration ground	82°	0.39	0.7	4	10
AS-0840			88°	0.85	1.4	8	30
AS-0860			87°	3.57	6.12	16	85
AS-0870			87°	5.1	9.7	24	115

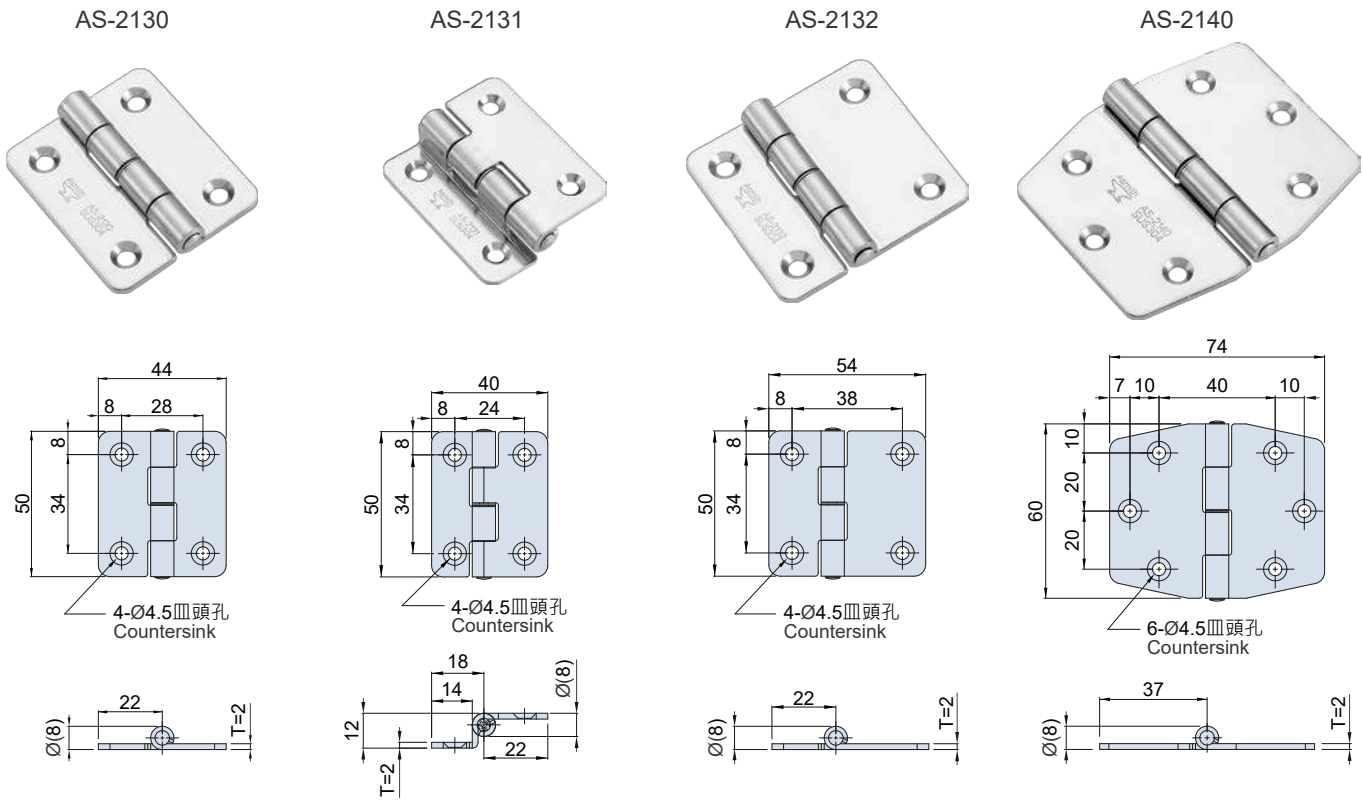
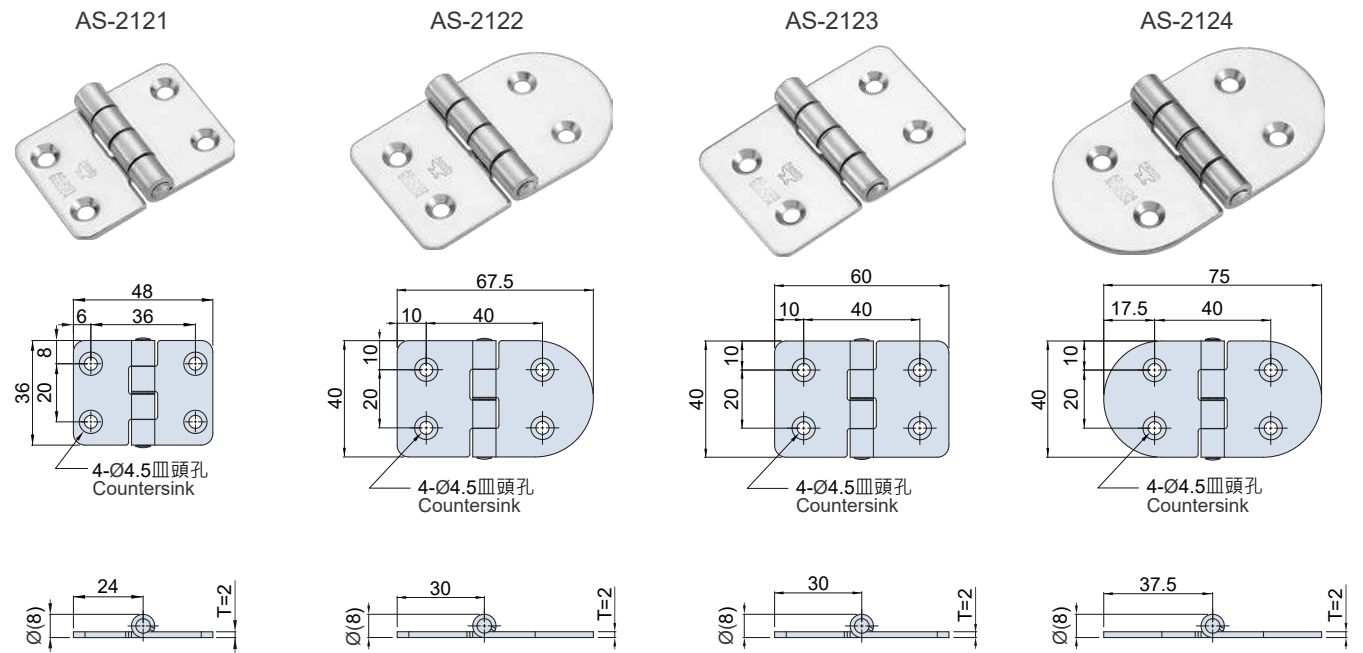
特徵

■ 安裝此產品，開啟門板後可自動回彈定位。

FEATURES

■ The panel could be back as usual automatically with this hinges after opening the panel.

AS-21 Series 微阻尼平面鉸鏈 Micro Torque Butt Hinge



特徵

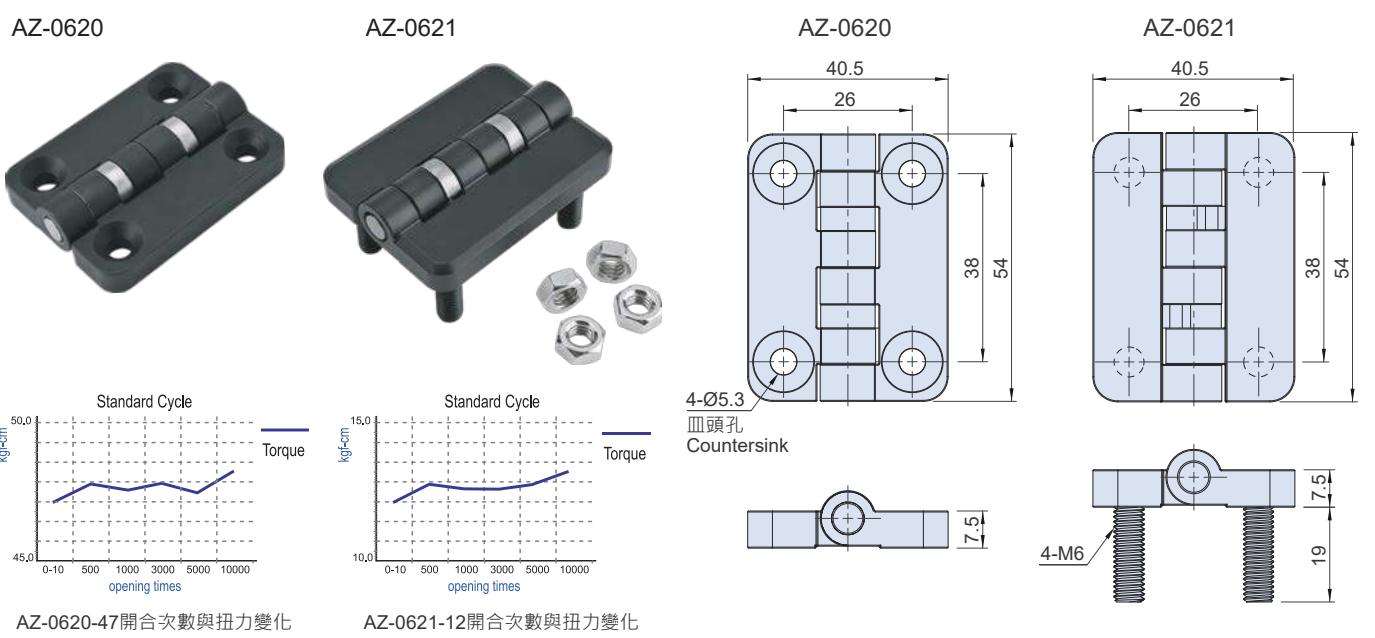
- 微阻尼摩擦鉸鏈可使門板左右開時停止於任意位置，適用於左右開門使用。
- 適用於輕型金屬箱體、壓力力門、電控箱

FEATURES

- Friction Hinge allow the door panel to be fixed at any position when opened left or right, or through calculation, the lid of the box can be fixed at any position.
- Suitable for lightweight metal enclosures, acrylic doors, and electrical control boxes.

SPECIFICATION:				Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)	
AS-2121	SUS304	震動亮面 Vibration ground	33.6	
AS-2122			47.5	
AS-2123			45.4	
AS-2124			49.7	
AS-2130			44.5	
AS-2131			42.7	
AS-2132			52.5	
AS-2140			76.9	

AZ-06 Series 平面阻尼式鉸鏈 Butt Hinge (Torque Hinge)



特徵

- 為恆定扭力。
- 開啟門板後，依個人施力定位，以防公安危險產生。
- 適用於伺服器、工業電腦、電控箱、戶外箱體等。
- AZ-0621 配件包：四顆螺帽。

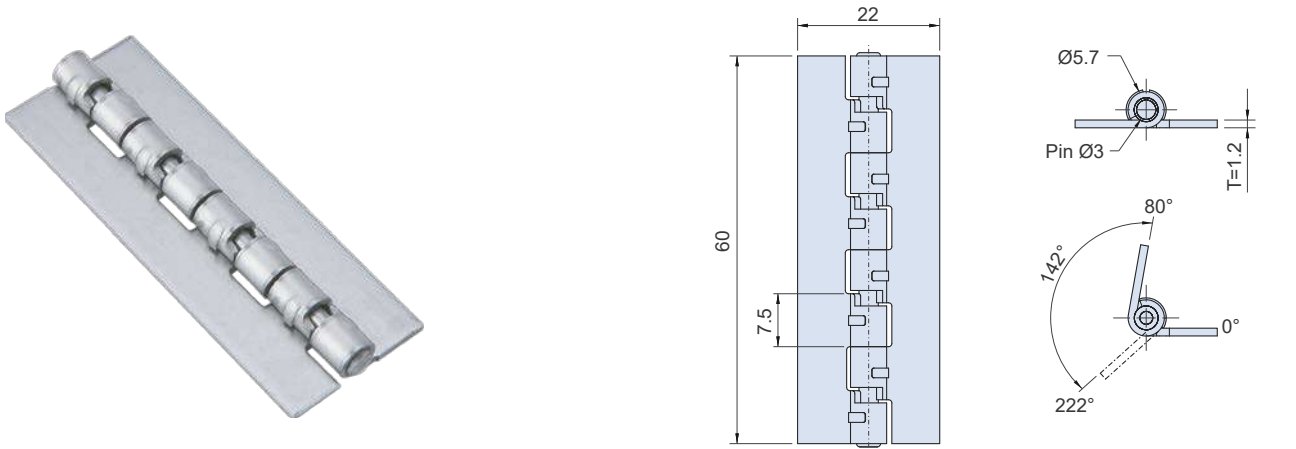
FEATURES

- Invariable resistance torque.
- The panel can stay in position due to the force of opening.
- Application for Servers, Industrial Computers, Control Panel, Outdoor Cabinet.
- AZ-0621 With screws pack: Nuts 4pcs.

SPECIFICATIONS:						Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	扭力數值 Torque	荷重 Load capacity (kgf/2pcs)	重量 Weight(g)	
AZ-0620-12	鋅合金 Zinc Alloy	黑色 Black coated	12kgf-cm ± 15%	50	94	
AZ-0620-30			30kgf-cm ± 15%			
AZ-0620-47			47kgf-cm ± 15%			
AZ-0621-12			12kgf-cm ± 15%		116	
AZ-0621-30			30kgf-cm ± 15%			
AZ-0621-47			47kgf-cm ± 15%			

※Unit Conversion : 1 kgf-cm = 0.098 Nm = 0.072 lbf-ft = 0.868 lbf-in

A-1230-60-22 平面鉸鏈 Butt Hinge



特徵

- 鉸鏈軸心凸點可使鉸金安裝時快速定位，迅速安裝。
- 鉸鏈片開合角度限定，具80°至222°作動角度。

FEATURES

- The bumps on the axis can make the sheet metal to be installed quickly and easily.
- The hinge opening angle is limited from 80° to 222°.

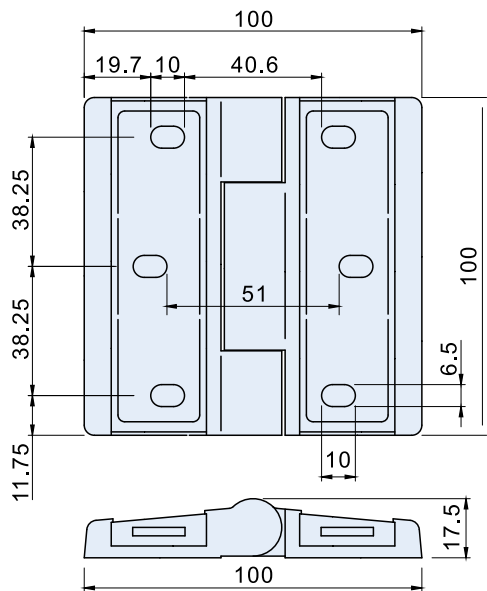
SPECIFICATIONS:				Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)	
A-1230-60-22	SPCC	材料本質 Natural	19.2	

AS-2061

蓋板平面鉸鏈 *Decorate Butt Hinge*



AS-2061



材質與表面處理

- 1. 本體：不鏽鋼（SUS304），亮面拋光。
- 2. 蓋版：不鏽鋼（SUS304），毛絲面。

MATERIAL AND FINISH

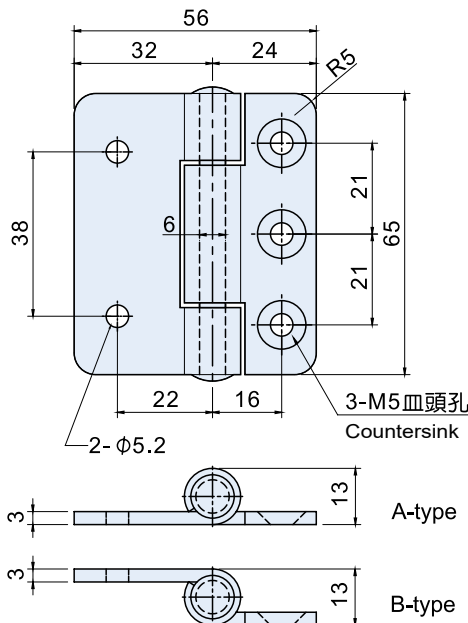
- 1. Body: Stainless steel(SUS304), High gloss polished.
- 2. Cover: Stainless steel(SUS304), Brushed finish.

SPECIFICATION :				Unit : mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)	
AS-2061	SUS304	亮面拋光 High gloss polished	630	

AS-1371 Series 平面鉸鏈 *Butt Hinge*



AS-1371-A



材質與表面處理

- 不鏽鋼（SUS304），拋毛絲面。

MATERIAL AND FINISH

- Stainless steel(SUS304), Brushed finish.

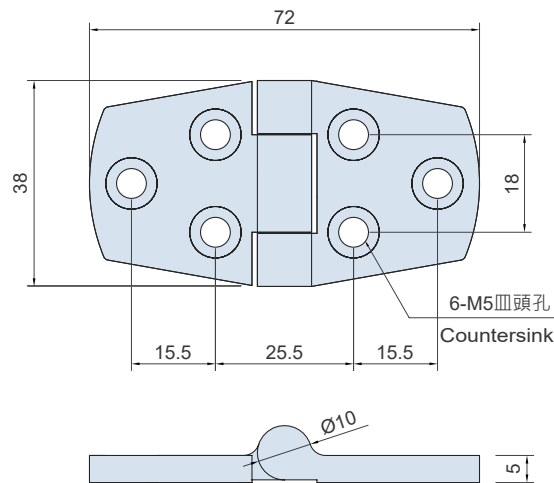
SPECIFICATION :				Unit : mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)	
AS-1371-A	SUS304	拋毛絲面	125	
AS-1371-B		Brushed finish		

AS-2059

平面鉸鏈 *Butt Hinge*



AS-2059



材質與表面處理

- 不鏽鋼（SUS316），亮面拋光。

MATERIAL AND FINISH

- Stainless steel(SUS316), High gloss polished.

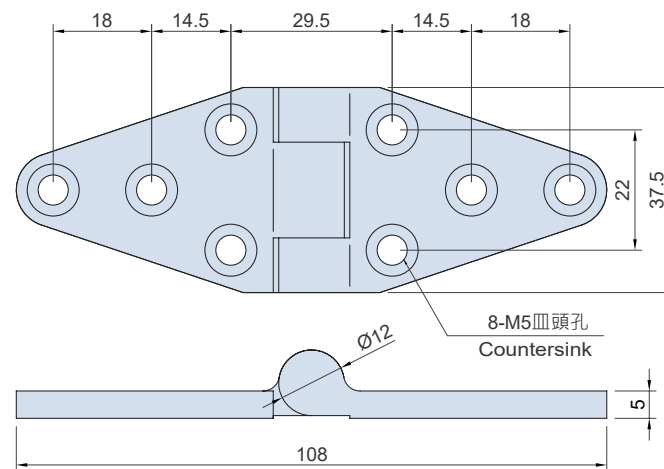
SPECIFICATION:				Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)	
AS-2059	SUS316	亮面拋光 High gloss polished	75	

AS-2063

平面鉸鏈 *Butt Hinge*



AS-2063



材質與表面處理

- 不鏽鋼（SUS304），亮面拋光。

MATERIAL AND FINISH

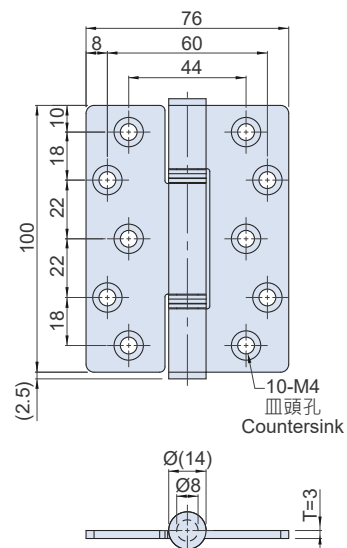
- Stainless steel(SUS304), High gloss polished.

SPECIFICATION:				Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)	
AS-2063	SUS304	亮面拋光 High gloss polished	95	

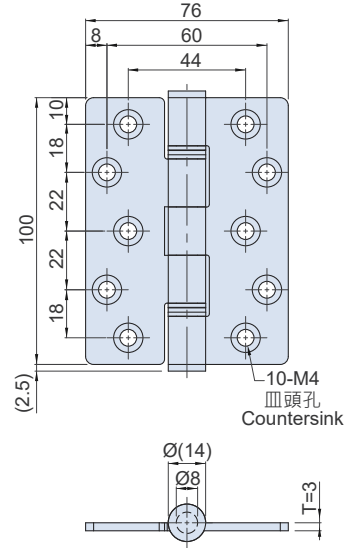
AS-4030



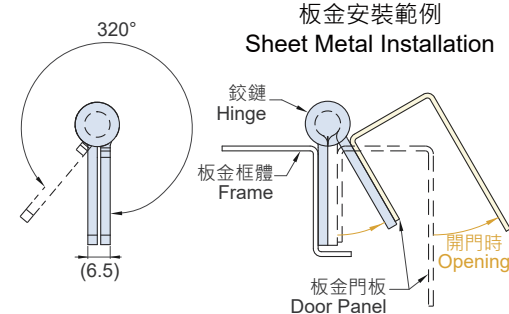
AS-4030



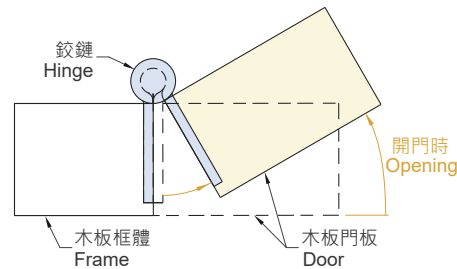
AS-4050



AS-4050



木板安裝範例
Wooden Board Installation



特徵

- 軸心有培林可抑制金屬粉塵的產生，適用於無塵室之產業。
- 鉸鏈片之間具有極密間隙，當安裝於機械鉸金、門板後，密合的間距，也可解決門板上下搖晃、無法正確對準門框的問題。

FEATURES

- Rotating Part using the Bearing to repress the dust of metal, applicable to clean room.
- The middle gap between butt and butt is very close.

SPECIFICATION:

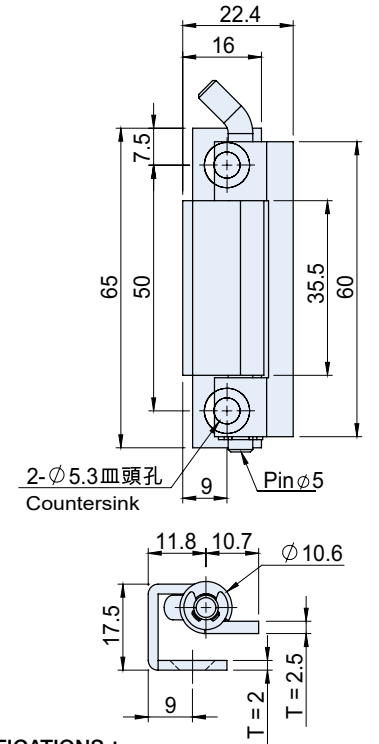
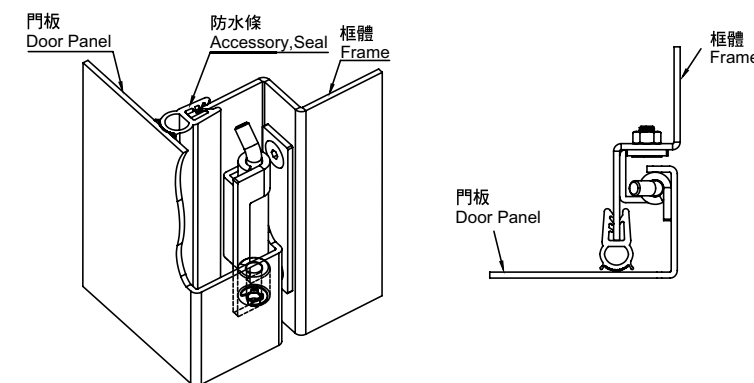
Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	產品荷重 Load Capacity (kg/2pcs)	重量 Weight (g)
AS-4030	SUS304	毛絲面 Brushed finish	120	256
AS-4050				

AT-0212



使用例
Example of application



SPECIFICATIONS :

Unit : mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)
AT-0212	SPHC-PO	鍍 鋅 Zinc plated	79.4

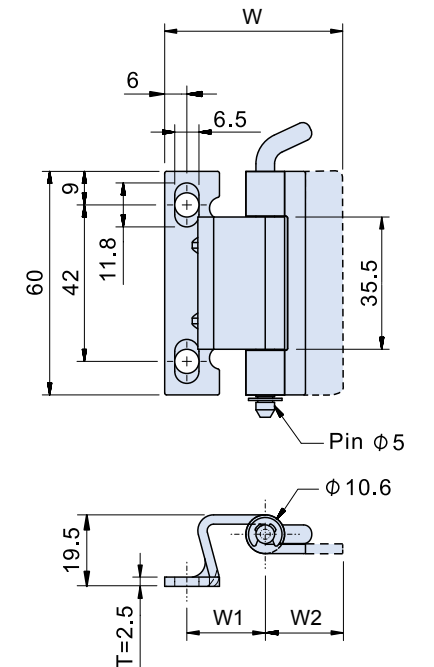
AS-0210



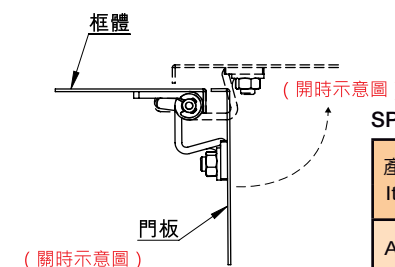
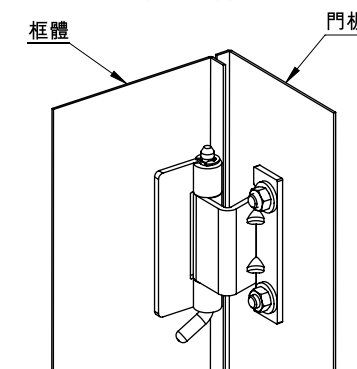
AT-0210



AT-0220



使用例
Example of application



SPECIFICATION :

Unit : mm

產品編號 Item No.	材質 Material	表面處理 Finish	尺寸 Dimensions			重量 Weight (g)
			W	W1	W2	
AS-0210	SUS 304	震動亮面 Vibration ground	37.4	20.7	10.7	79.8
AT-0210	SPHC-PO	鍍 鋅 Zinc plated	38.5	21.8	10.7	79.4
AT-0220	SPHC-PO		48.5	21.8	20.7	90.2

AS-11 Series 隱藏鉸鏈 *Concealed Hinge*



AS-110



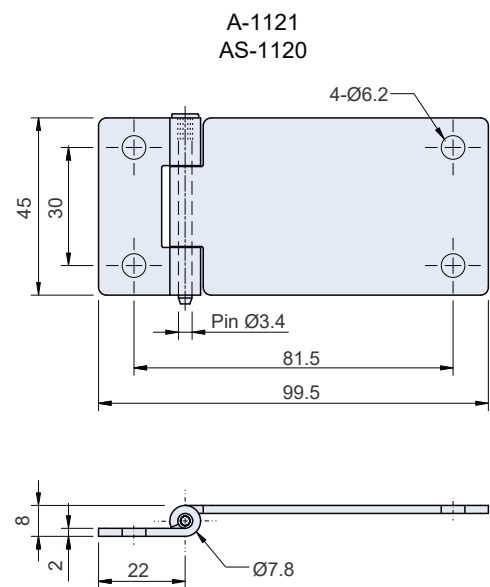
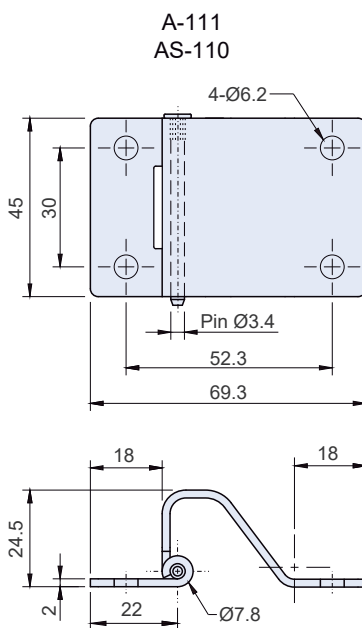
AS-111



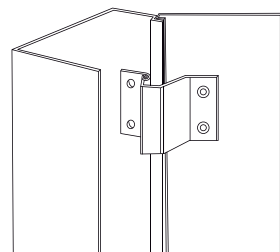
AS-1120



AS-1121



裝配示意圖
Installation

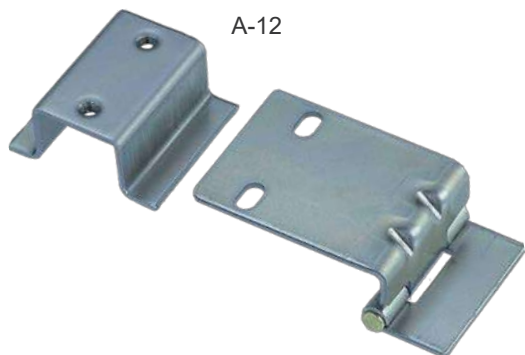


SPECIFICATIONS:				Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	樣式區分 Type	重量 Weight (g)
A-111	SPCC	材料本質 Natural	無孔焊接型 Weld-on	71
A-1121			有孔固定型 Screw-on / Rivet-on	80
AS-110	SUS 304	震動亮面 Vibration ground	有孔固定型 Screw-on / Rivet-on	71
AS-1120				80

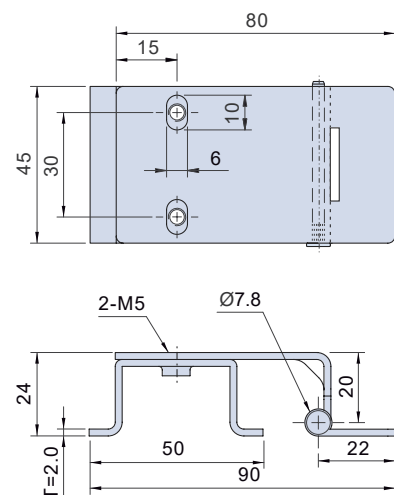
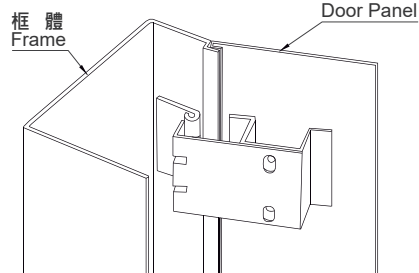
A-12 隱藏鉸鏈 *Concealed Hinge*



A-12



裝配示意圖
Installation



SPECIFICATIONS:				Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)	
A-12	SPCC	材料本質 Natural	133	

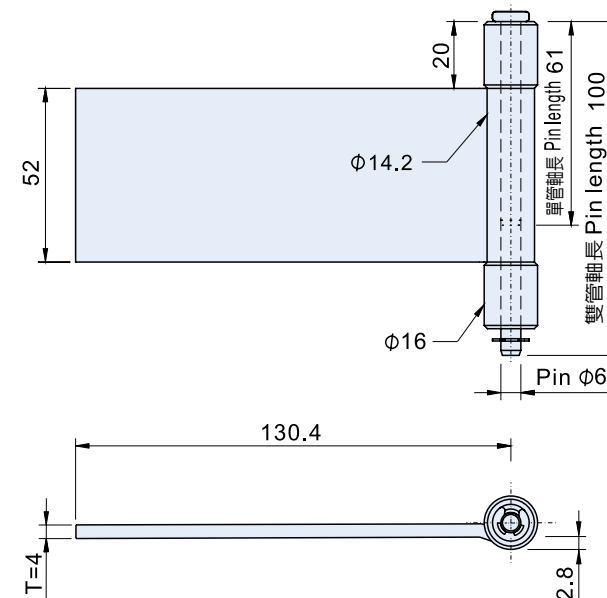
AT-31 Series 隱藏鉸鏈 *Concealed Hinge*



AT-3101 (雙管 Double Support)



AT-3111 (單管 Single Support)



材質與表面處理

- 本體鉸鏈：鐵材（SPHC-PO），防銹處理。
- 軸 心：中碳鋼，鍍鋅。
- 套 管：鐵材（1008）防銹處理。

特徵

- 平行鉸鏈可依設計的需求彎折成理想的形狀，若每批有1000pcs以上，可委託我們成型，為貴公司所需形狀。

MATERIAL AND FINISH

- Hinge Body: Hot-rolled Steel (SPHC-PO), Oxalic-acid treatment.
- Pin: Medium carbon Steel, Zinc plated.
- Pin Bushing: Steel (1008), Natural.

FEATURES

- Could be DIY folded to the shape needed by customer.
- Forming service is available for the single order quantity more than 1000 pieces each shape.

SPECIFICATIONS:			Unit:mm
產品編號 Item No.	樣式區分 Type	重量 Weight (g)	
AT-3101	雙管 Double support	330	
AT-3111	單管 Single support	296	

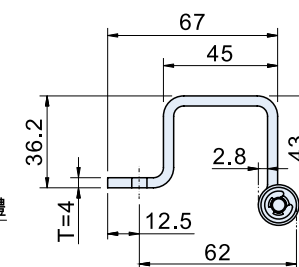
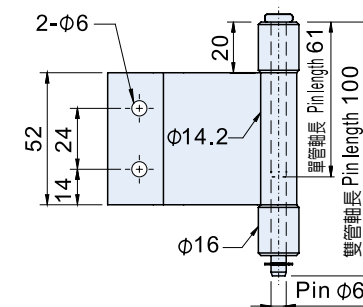
AT-31 Series 隱藏鉸鏈 *Concealed Hinge*



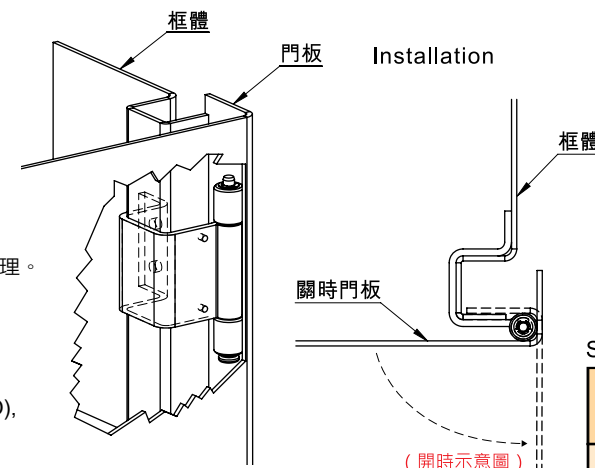
AT-3120 (雙管 Double Support)



AT-3130 (單管 Single Support)



安裝示意圖
Installation



材質與表面處理

- 本體鉸鏈：鐵材（SPHC-PO），防銹處理。
- 軸 心：中碳鋼，鍍鋅。
- 套 管：鐵材（1008）防銹處理。

MATERIAL AND FINISH

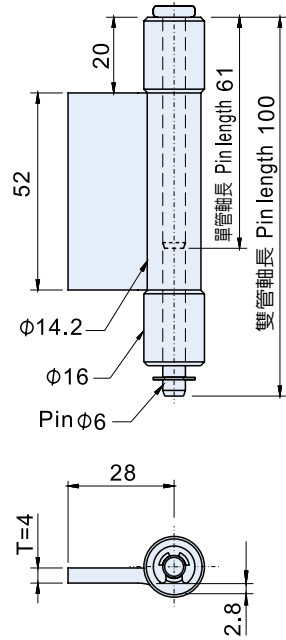
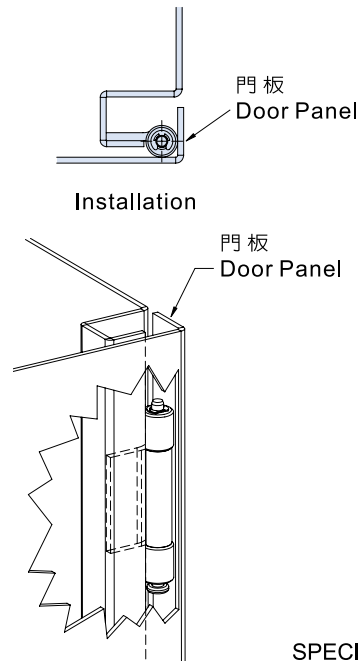
- Hinge Body: Hot-rolled Steel (SPHC-PO), Oxalic-acid treatment.
- Pin: Medium carbon Steel, Zinc plated.
- Pin Bushing: Steel (1008), Natural.

SPECIFICATIONS:			Unit:mm
產品編號 Item No.	樣式區分 Type	重量 Weight (g)	
AT-3120	雙管 Double support	330	
AT-3130	單管 Single support	296	

AT-31 Series 隱藏鉸鏈 Concealed Hinge



AT-3161 (雙管 Double Support) AT-3171 (單管 Single Support)



材質與表面處理

- 本體鉸鏈：鐵材（SPHC-PO），防銹處理。
- 軸心：中碳鋼，鍍鋅。
- 套管：鐵材（1008）防銹處理。

特徵

- 平行鉸鏈可依設計的需求彎折成理想的形狀，若每批有1000pcs以上，可委託我們成型，為貴公司所需形狀。

MATERIAL AND FINISH

- Hinge Body: Hot-rolled Steel (SPHC-PO), Oxalic-acid treatment.
- Pin: Medium carbon Steel, Zinc plated.
- Pin Bushing: Steel (1008), Natural.

FEATURES

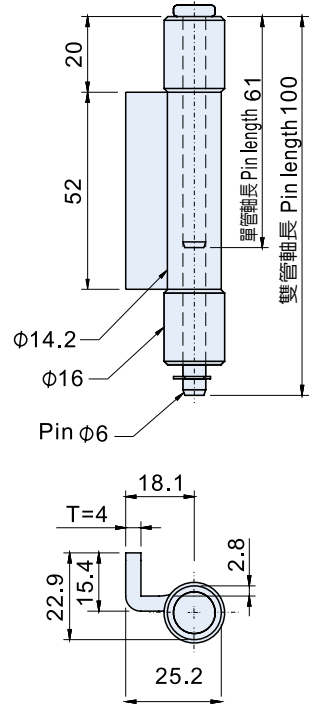
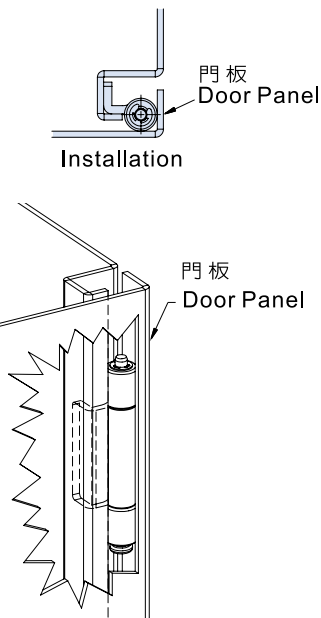
- Could be DIY folded to the shape needed by customer.
- Forming service is available for the single order quantity more than 1000 pieces each shape.

SPECIFICATIONS:			Unit:mm
產品編號 Item No.	樣式區分 Type	重量 Weight (g)	
AT-3161	雙管 Double support	165	
AT-3171	單管 Single support	130	

AT-31 Series 隱藏鉸鏈 Concealed Hinge



AT-3141 (雙管 Double Support) AT-3151 (單管 Single Support)



材質與表面處理

- 本體鉸鏈：鐵材（SPHC-PO），防銹處理。
- 軸心：中碳鋼，鍍鋅。
- 套管：鐵材（1008）防銹處理。

MATERIAL AND FINISH

- Hinge Body: Hot-rolled Steel (SPHC-PO), Oxalic-acid treatment.
- Pin: Medium carbon Steel, Zinc plated.
- Pin Bushing: Steel (1008), Natural.

SPECIFICATIONS:			Unit:mm
產品編號 Item No.	樣式區分 Type	重量 Weight (g)	
AT-3141	雙管 Double support	162	
AT-3151	單管 Single support	127	

樣式區分

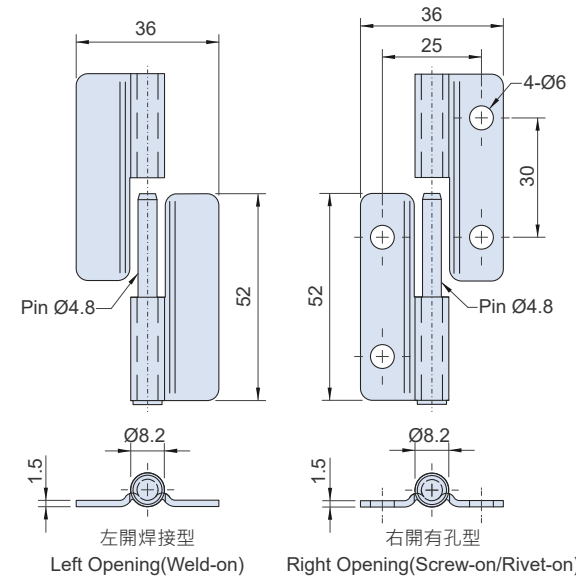
AS-13 Series 外露可拆鉸鏈 Lift-Off Hinge



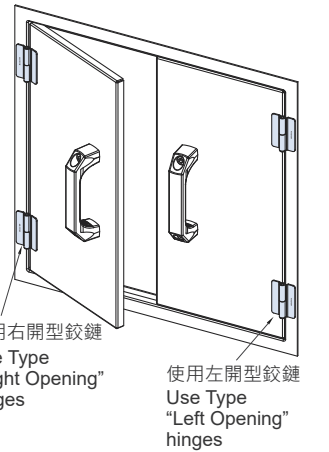
AS-1310R



AS-1311L



使用例
Example of application



SPECIFICATIONS:

Unit:mm

產品編號 Item No.		材質 Material	表面處理 Finish	樣式區分 Type	重量 Weight (g)
左開型 Left Opening	右開型 Right Opening				
AS-1310L	AS-1310R	SUS304	震動亮面 Vibration ground	有孔固定型 Screw-on/Rivet-on	38
A-1310L	A-1310R	SPCC	鍍鋅 Zinc plated		37.8
AS-1311L	AS-1311R	SUS304	材料本質 Natural	無孔焊接型 Weld-on	40.4
A-1311L	A-1311R	SPCC			38.9

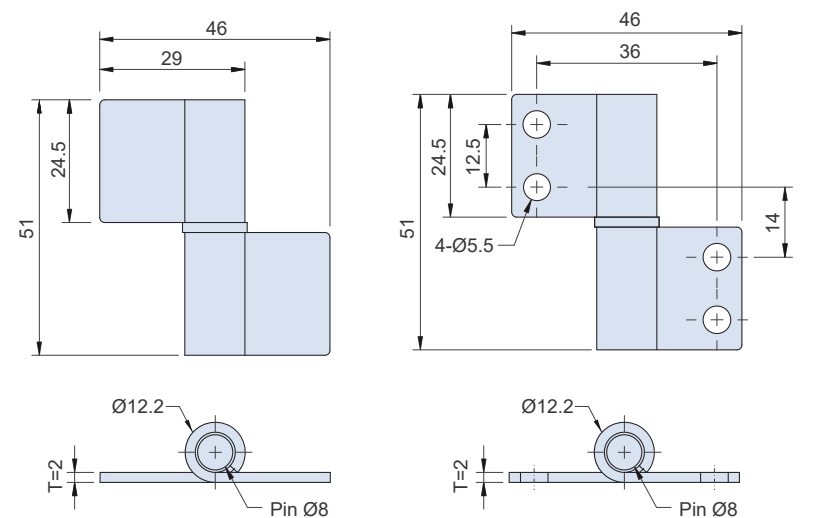
AS-22 Series 外露可拆鉸鏈 Lift-Off Hinge



AS-2210



AS-2211



SPECIFICATIONS:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	樣式區分 Type	重量 Weight(g)
AS-2210	SUS304	震動亮面 Vibration ground	有孔固定型 Screw-on/Rivet-on	56
AT-2210	SPCC	鍍鋅 Zinc plated		
AS-2211	SUS304	震動亮面 Vibration ground	無孔焊接型 Weld-on	58
AT-2211	SPCC	材料本質 Natural		

AS-23 Series 外露可拆鉸鏈 Lift-Off Hinge



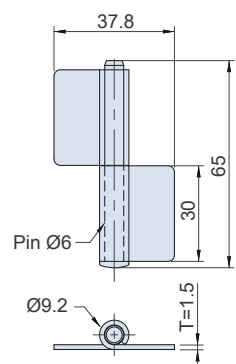
AS-2311L
AT-2311L



AS-2310R
AT-2310R

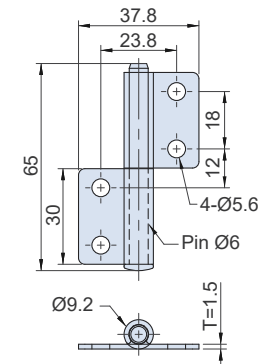


AS-2311L / AT-2311L



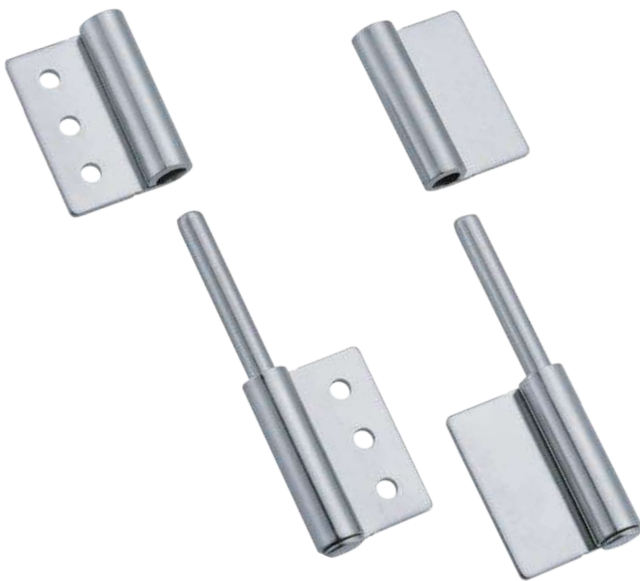
左開焊接型
Left Opening(Weld-on)

AS-2310R / AT-2310R



右開有孔型
Right Opening
(Screw-on/Rivet-on)

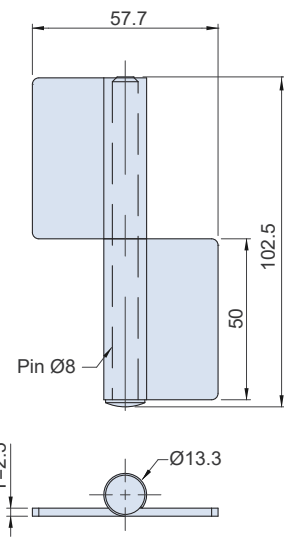
AS-2320L
AT-2320L



AS-2321R
AT-2321R

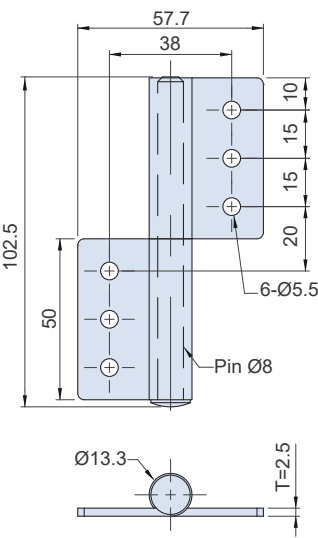


AS-2321L / AT-2321L



左開焊接型
Left Opening
(Weld-on)

AS-2320R / AT-2320R



右開有孔型
Right Opening
(Screw-on/Rivet-on)

SPECIFICATIONS:

產品編號 Item No.		材質 Material	表面處理 Finish	樣式區分 Type	重量 Weight(g)
左開型 Left Opening	右開型 Right Opening				
AS-2310L	AS-2310R	SUS304	亮面 Vibration ground	有孔固定型 Screw-on/Rivet-on	42.4
AS-2311L	AS-2311R			無孔焊接型 Weld-on	43
AT-2310L	AT-2310R	SPCC	鍍鋅 Zinc plated	有孔固定型 Screw-on/Rivet-on	42.4
AT-2311L	AT-2311R		材料本質 Natural	無孔焊接型 Weld-on	43
AS-2320L	AS-2320R	SUS304	亮面 Vibration ground	有孔固定型 Screw-on/Rivet-on	152
AS-2321L	AS-2321R			無孔焊接型 Weld-on	155
AT-2320L	AT-2320R	SPHC	鍍鋅 Zinc plated	有孔固定型 Screw-on/Rivet-on	152
AT-2321L	AT-2321R		材料本質 Natural	無孔焊接型 Weld-on	155

Unit:mm

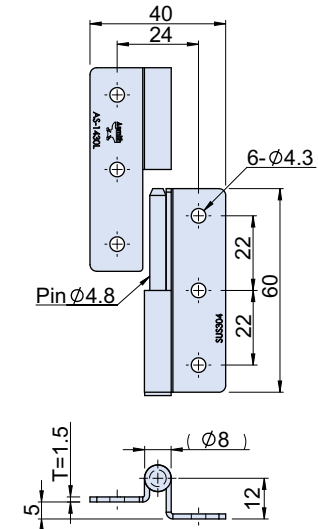
AS-1430 Series 外露可拆鉸鏈 Lift-Off Hinge



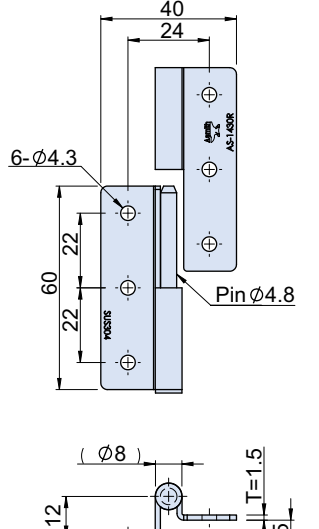
AS-1430L



AS-1430R



左開型
Left Opening



右開型
Right Opening

SPECIFICATION:

產品編號 Item No.	材質 Material	表面處理 Finish	樣式區分 Type	重量 Weight(g)
AS-1430L	SUS304	亮面	有孔固定型	50.2
AS-1430R		Vibration ground	Screw-on/Rivet-on	

Unit:mm

AS-2410 外露可拆鉸鏈 Lift-Off Hinge



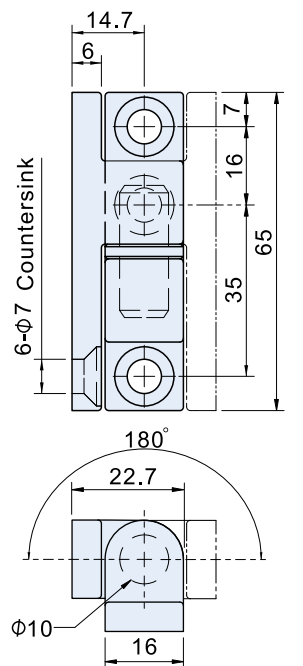
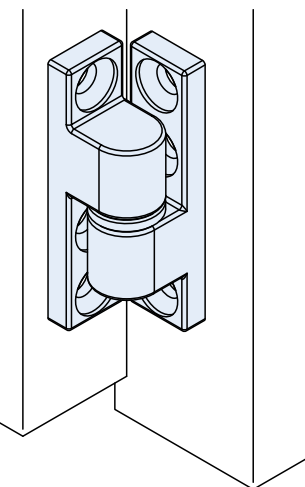
AS-2410



AS-2410W



Installation:



特徵

- 轉動部份採用了樹脂襯套，可抑制金屬粉塵的產生。

FEATURES

- Rotating Part using the plastic bushing to repress the dust of metal

SPECIFICATION:

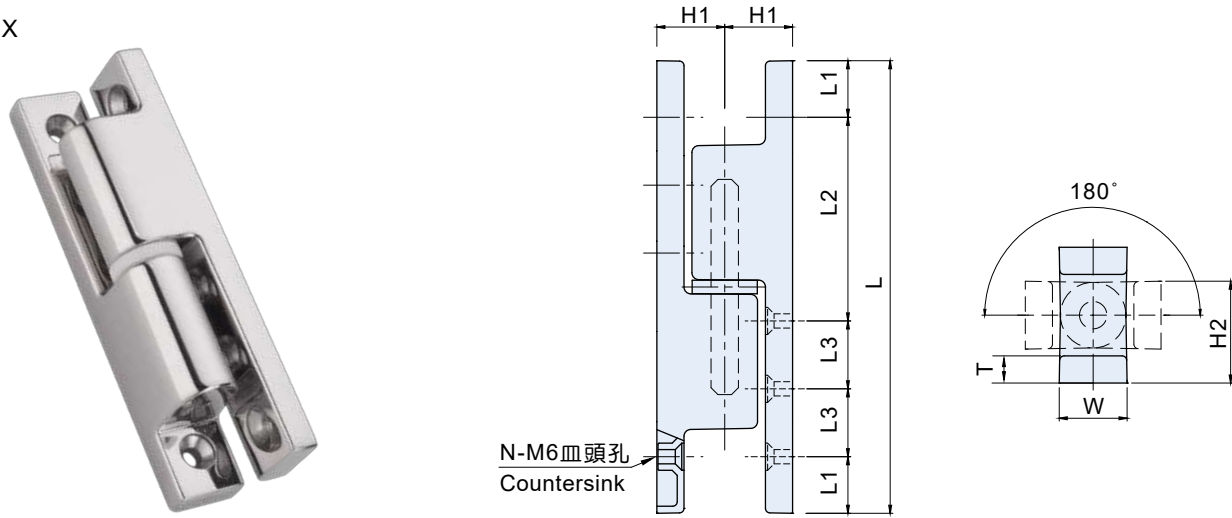
產品編號 Item No.	材質 Material	表面處理 Finish	荷重 Load Capacity (kg/2pcs)	重量 Weight(g)
AS-2410	SUS304	材料本質 Natural	60	138
AS-2410W		亮面拋光 High gloss polished		133

Unit:mm

AS-271 Series 外露可拆鉸鏈 Lift-Off Hinge



AS-271X



SPECIFICATION :

Unit : mm

產品編號 Item No.	材質 Material	表面處理 Finish	尺寸 Dimensions									重量 Weight(g)
			L	L1	L2	L3	W	H1	H2	T	N	
AS-2715	SUS304	亮面拋光 High gloss polished	200	25	90	30	30	30	45	12	8	1170
AS-2716			150	15	70	25	25	24.5	37	10	8	680
AS-2717			125	15	65	30	25	25	37.5	10.5	6	500
AS-2718			100	12.5	50	25	25	24.5	37	10	6	360

特徵

- 轉動部分採用了樹脂襯套，可抑制金屬粉塵的產生。

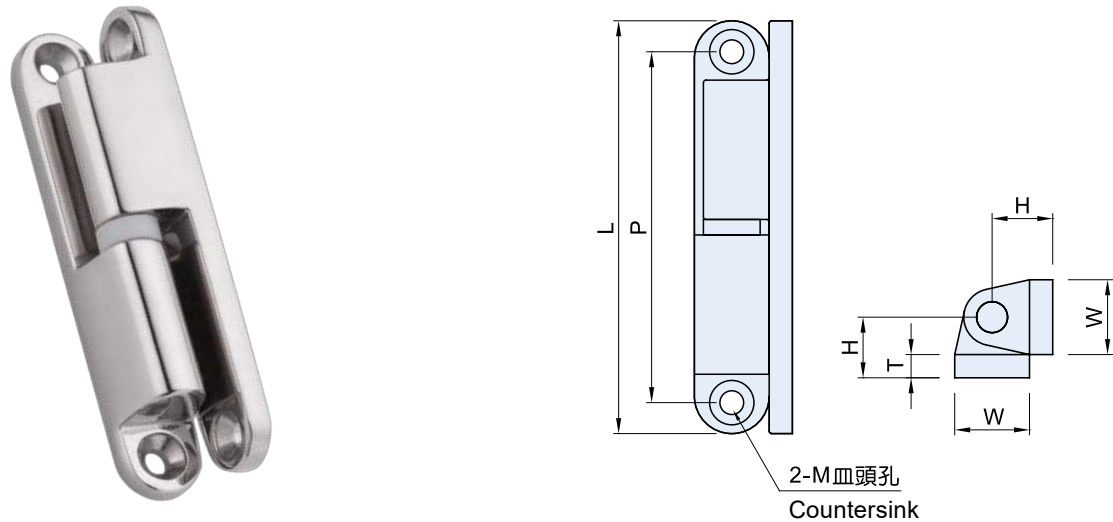
FEATURES

- Rotating Part using the plastic bushing to repress the dust of metal

AS-2719 Series 外露可拆鉸鏈 Lift-Off Hinge



AS-2719



SPECIFICATION :

Unit : mm

產品編號 Item No.	材質 Material	表面處理 Finish	尺寸 Dimensions						重量 Weight(g)
			L	W	H	T	P	M	
AS-2719-1	SUS304	亮面拋光 High gloss polished	80	14.5	11.75	4.5	68	M4	95
AS-2719-2			60	13	9.5	3	48	M4	50
AS-2719-3			51	11	8	2.5	40	M3	30

特徵

- 轉動部分採用了樹脂襯套，可抑制金屬粉塵的產生。

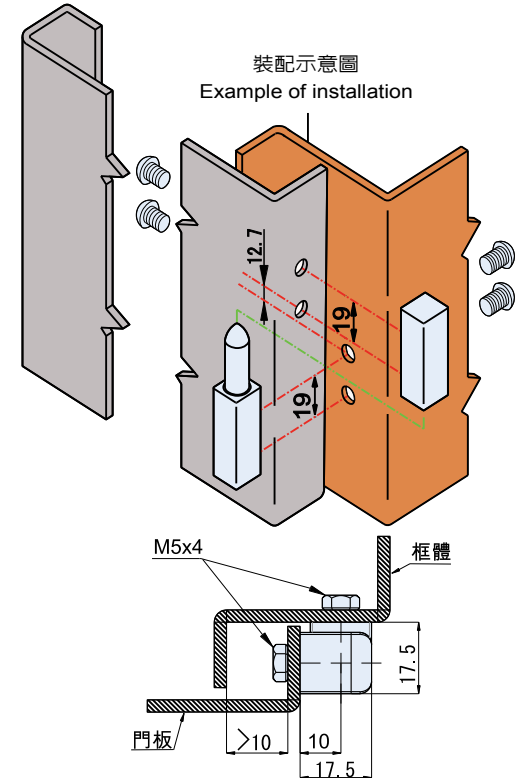
FEATURES

- Rotating Part using the plastic bushing to repress the dust of metal

AA-0222B 外露可拆鉸鏈 Lift-Off Hinge



AA-0222B



特徵

- 採用鋁合金材質，以減輕重量。荷重經測試與鋅合金相同。特殊表面處理，耐候性佳，鹽霧測試達400小時，符合RoHS規範。

規格

- 建議螺絲長度：門板厚+5mm
例：門板厚1.6mm時，應使用M5 * 6L

FEATURES

- The characteristics of Aluminum alloy is lighter-than-Zinc alloy. Special finish stands climate salt test is at 400 hours. With RoHS compliance. And their loading capacity are all the same after test.

SPECIFICATIONS

- Calculate screw length using the following formula : Door thickness + 5mm

SPECIFICATIONS:

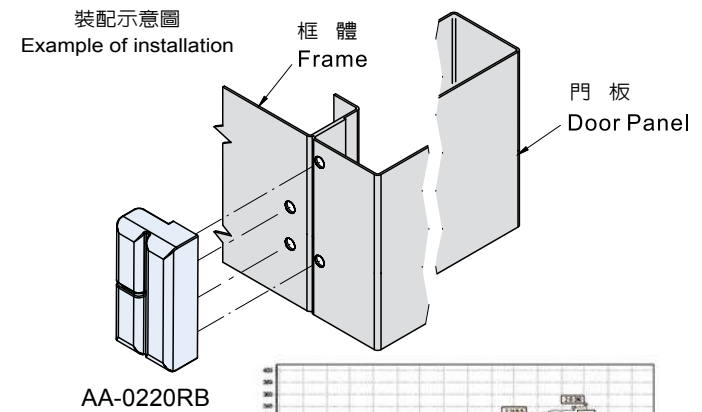
Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	產品荷重 Load Capacity(kg/2pcs)	重量 Weight(g)
AA-0222B	鋁合金 Aluminum Alloy	黑色 Black coated	50	34

AA-0220 Series 外露可拆鉸鏈 Lift-Off Hinge



AA-0220RB



特徵

- 採用鋁合金材質，以減輕重量。荷重經測試與鋅合金相同。特殊表面處理，耐候性佳，鹽霧測試達400小時，符合RoHS規範。

規格

- 建議螺絲長度：門板厚+5mm
例：門板厚1.6mm時，應使用M5 * 6L

用途

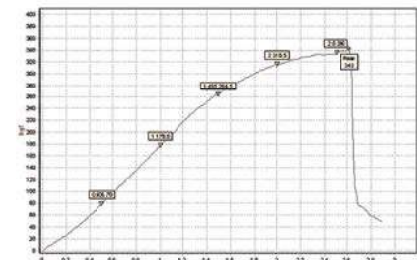
- 適用各種箱櫃體門板，檢測儀器櫃體、機器門板等。

FEATURES

- The characteristics of Aluminum alloy is lighter-than-Zinc alloy. Special finish stands climate salt test is at 400 hours. With RoHS compliance. And their loading capacity are all the same after test.

SPECIFICATIONS

- Calculate screw length using the following formula : Door thickness + 5mm



產品側向拉力測試曲線圖
1pc-彎曲距2.6mm時，達330kgf / 安全荷重：2pcs設定100kg
Drawing of the tensile force test 1pc-Curving distance:2.6mm, to reach 330kgf
Safety load: 100kgf / 2pcs

SPECIFICATIONS:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	產品荷重 Load Capacity(kg/2pcs)	重量 Weight(g)
AA-0220LB	鋁合金 Aluminum Alloy	黑色 Black coated	100	56
AA-0220RB	鋁合金 Aluminum Alloy	黑色 Black coated	100	56

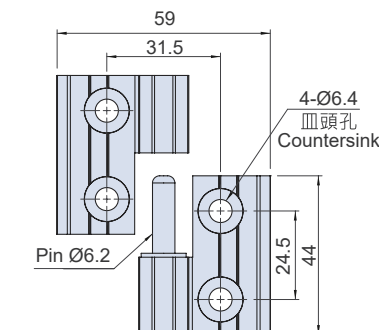
AA-1720 外露可拆鉸鏈 Lift-Off Hinge



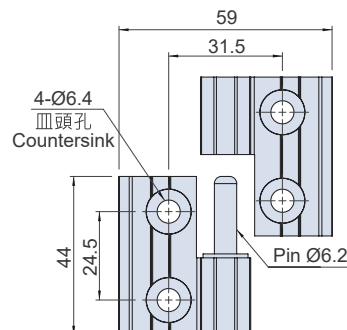
AA-1720RB



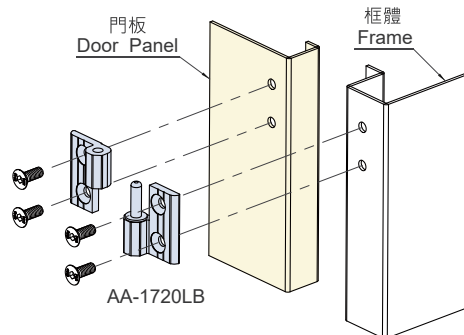
AA-1720LB



AA-1720RB



安裝範例 Installation

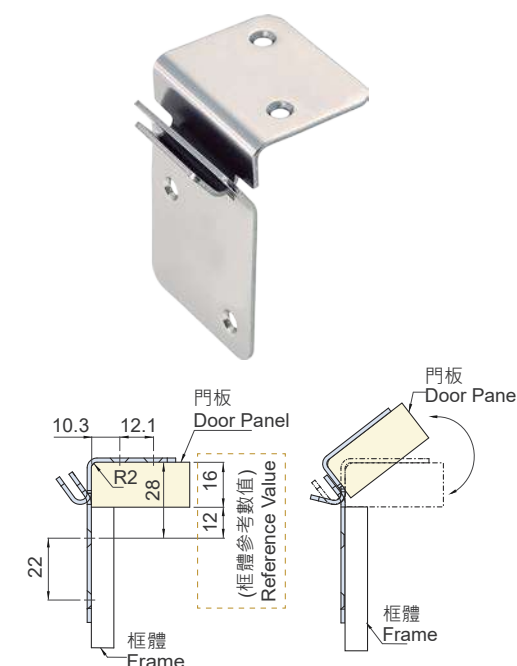


SPECIFICATIONS:

Unit:mm

產品編號 Item No.	型式 Type	材質 Material	表面處理 Finish	產品荷重 Load Capacity (kg/2pcs)	重量 Weight (g)
AA-1720RB	右開型 Right Opening	鋁合金(6063)	黑色	40	48.5
AA-1720LB	左開型 Left Opening	Aluminum Alloy	Black coated	40	48.5

AS-21100-W 外露可拆鉸鏈 Lift-Off Hinge

裝配示意圖
Example of installation

SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	產品荷重 Load Capacity (kg/2pcs)	重量 Weight (g)
AS-21100-W	SUS304	震動亮面 Vibration ground	40	48.6

特徵

- 開啟後會使箱蓋完全脫離箱體，可在短時間內快速開啟箱蓋不回彈。

FEATURES

- It can be installed and dismantled quickly.

AS-4010 隱藏可拆鉸鏈 Removable Concealed Hinge

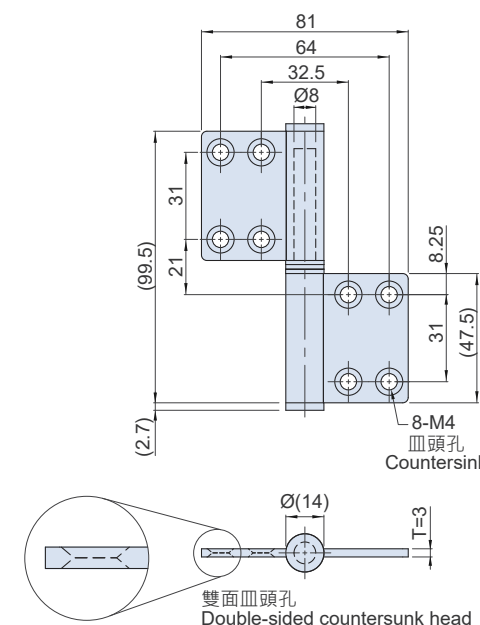


特徵

- 採用雙面皿頭孔設計，左右開皆可使用。
- 軸心有培林可抑制金屬粉塵的產生。
- 採用開放式的軸承設計，易於直接上油保養，使門板開關無異音。
- 止推軸承採用1015材質的鋼珠，硬度高達HRC52度，更具耐磨性。
- 軸心與鉸鏈片密合度佳，可有效解決門板下垂干涉門框的問題。

FEATURES

- Adopting a double-sided countersunk head design, it can be used on both sides.
- Rotating Part using the bearing to repress the dust of metal.
- The open bearing design is adopted, which is easy to directly oil and maintain, making the door switch noiseless.
- The stop push bearing uses steel balls made of 1015 material, with a hardness of up to HRC52, and has greater wear resistance.
- The shaft and hinge plate have a good fit, which can effectively solve the problem of door sagging and interfering with the door frame.

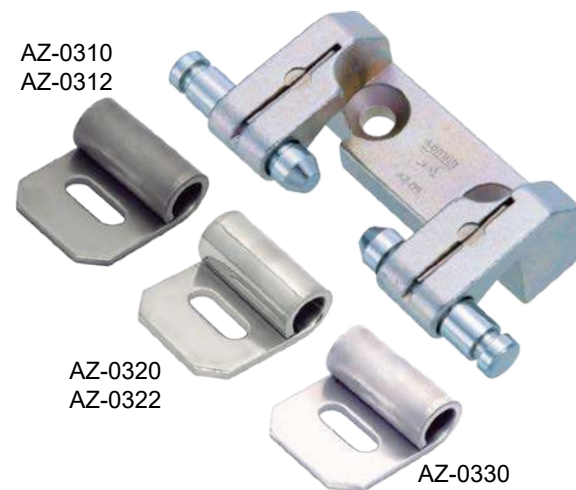
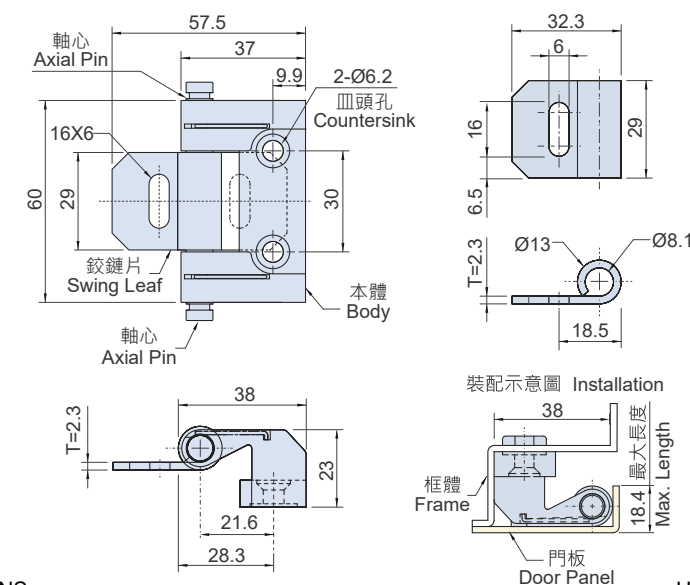


SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	荷重 Load Capacity (kg/2pcs)	重量 Weight(g)
AS-4010	SUS304	毛絲面 Brushed finish	120	188

AZ-03 Series 隱藏可拆式鉸鏈 Removable Concealed Hinge

AZ-0310
AZ-0312AZ-0320
AZ-0322AZ-0330
AZ-0332

材質與表面處理

- 本體：鋅合金，鍍鉍耐蝕五彩。
- 軸心：鐵材(12L15)，鍍鉍耐蝕五彩。
- 不鏽鋼(SUS303)，震動亮面。

MATERIAL AND FINISH

- Body: Zinc-alloy, Zinc plated plus chromic-acid passivated.
- Shaft: Steel(12L15), Zinc plated plus chromic-acid passivated.
- Stainless steel (SUS303), Vibration ground.

SPECIFICATIONS:

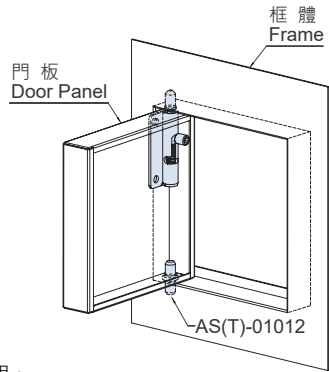
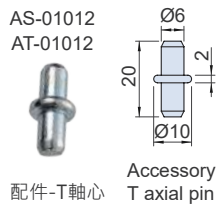
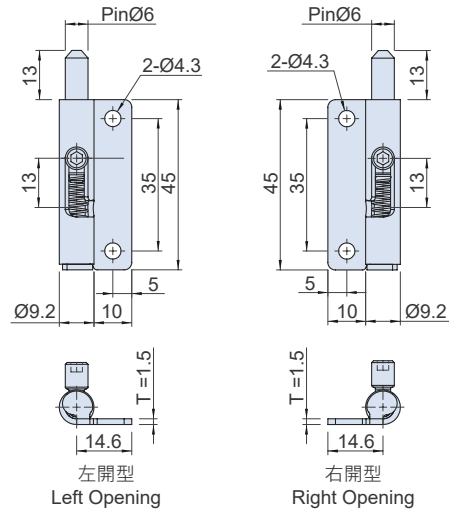
Unit:mm

產品編號 Item No.	軸心 Shaft	鉸鏈片材質 Material of swing leaf	鉸鏈片表面處理 Finish of swing leaf	產品荷重 Load Capacity (kg/2pcs)	重量 Weight (g)
AZ-0310	鐵材 Steel	SPHC	材料本質 Nature	50	141
AZ-0320		SUS304	震動亮面 Vibration ground		
AZ-0330		鋁合金Aluminum alloy	材料本質 Nature		
AZ-0312	SUS303	SPHC	材料本質 Nature		
AZ-0322		SUS304	震動亮面 Vibration ground		
AZ-0332		鋁合金Aluminum alloy	材料本質 Nature		

AS-28 Series 隱藏可拆鉸鏈 Removable Concealed Hinges



AS-2810L AT-2810LW AT-2810RB



用途

- 門栓用。
- 鉸鏈用途，可運用在門板上下兩端可拆式用途。
- 選配-配件：T軸心 - AS(T)-01012

APPLICATION

- Latch use.
- Concealed, Removable Hinge.
- Optional accessory: T axial pin - AS(T)-01012.

SPECIFICATIONS:

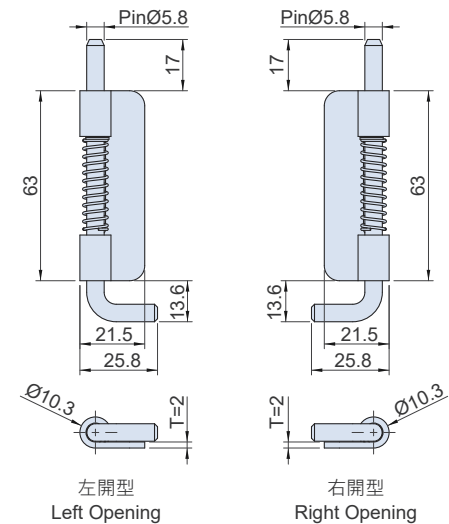
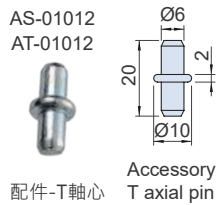
Unit:mm

產品編號 Item No.		配件	材質	表面處理	重量
左開型	右開型	Accessories	Material	Finish	Weight (g)
AS-2810L	AS-2810R	含配件 With	SUS304	亮面 Vibration ground	31
AT-2810LW	AT-2810RW		SPCC	鍍鋅 Zinc plated	
AT-2810LB	AT-2810RB			黑色 Black coated	
AS-2810L-1	AS-2810R-1	不含配件 Without	SUS304	亮面 Vibration ground	26
AT-2810LW-1	AT-2810RW-1		SPCC	鍍鋅 Zinc plated	
AT-2810LB-1	AT-2810RB-1			黑色 Black coated	

AS-01 Series 隱藏可拆鉸鏈 Removable Concealed Hinges



AS-0101L AT-0101L AS-0101R AT-0101R



用途

- 門栓用。
- 鉸鏈用途，可運用在門板上下兩端可拆式用途。
- 選配-配件：T軸心 - AS(T)-01012

APPLICATION

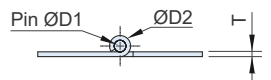
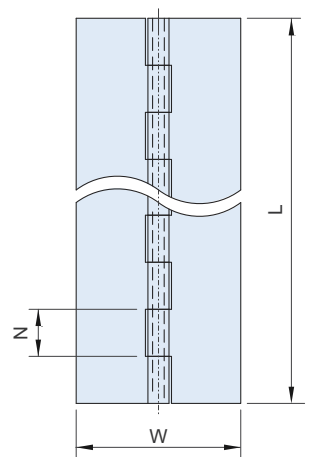
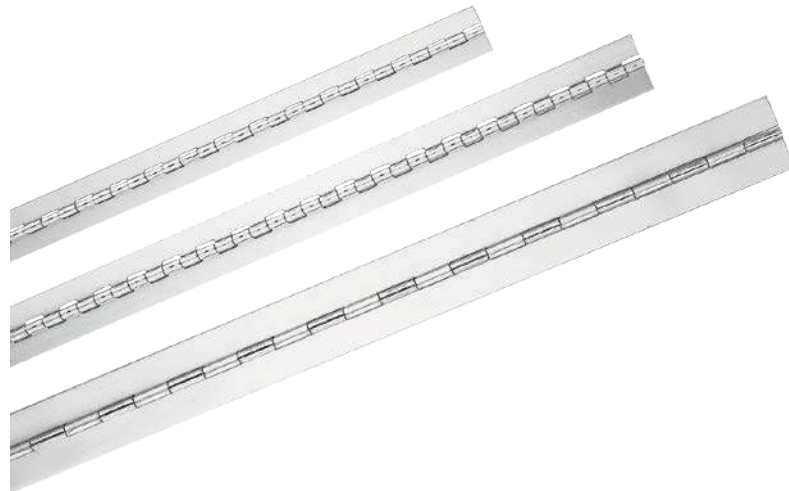
- Latch use.
- Concealed, Removable Hinge.
- Optional accessory: T axial pin - AS(T)-01012.

SPECIFICATIONS:

Unit:mm

產品編號 Item No.		配件	材質	表面處理	重量
左開型	右開型	Accessories	Material	Finish	Weight (g)
AS-0101L	AS-0101R	含配件 With	SUS304	亮面 Vibration ground	54
AT-0101L	AT-0101R		SPCC	鍍鋅 Zinc plated	
AS-0101L-1	AS-0101R-1	不含配件 Without	SUS304	亮面 Vibration ground	49
AT-0101L-1	AT-0101R-1		SPCC	鍍鋅 Zinc plated	

AS-A Series 長排鉸鏈 Piano Hinge



材質與表面處理

- AS：不銹鋼(SUS304)，材料本質(亮面)。
- A：鐵材(SPCC)，材料本質。

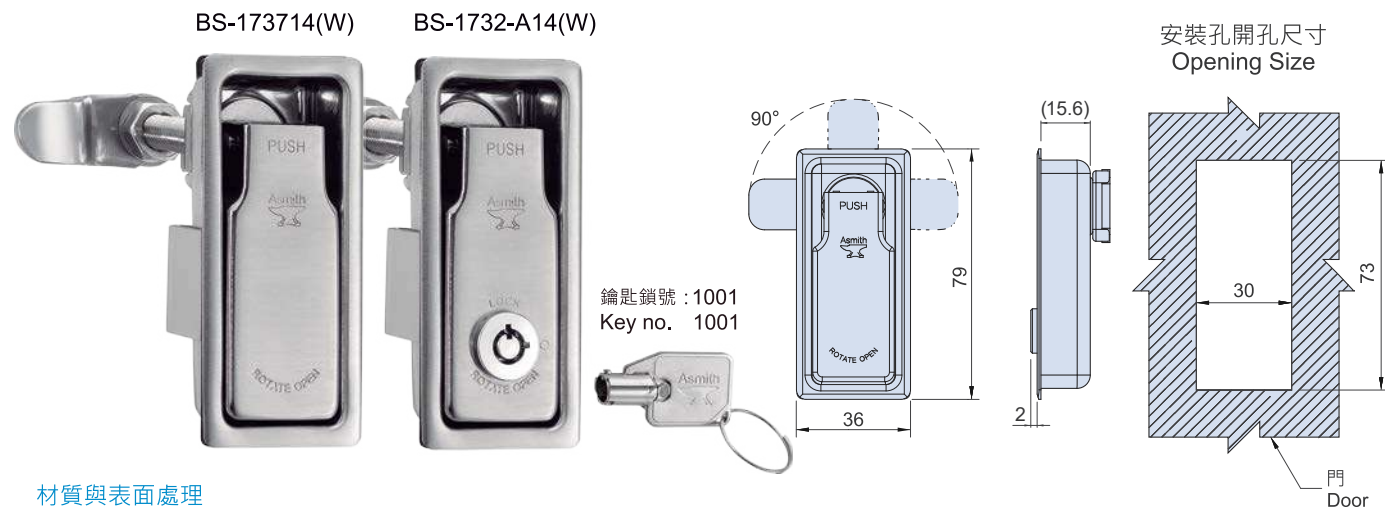
MATERIAL AND FINISH

- AS:Stainless steel (SUS304), Natural (Bright).
- A :Cold-rolled steel (SPCC), Natural.

SPECIFICATION:

Unit:mm

產品編號 Item No.		重量	產品編號 Item No.	重量	尺寸 Dimensions				
SUS304		Weight(kg)	SPCC	Weight(kg)	L	W	T	D1	D2
AS-102610		0.29	A-102610	0.29	1000	26	1	2.5	4.6
AS-102612		0.35	A-102612	0.35	1200				
AS-123210		0.42	A-123210	0.43	1000				
AS-123212		0.51	A-123212	0.51	1200				
AS-123215		0.64	A-123215	0.64	1500	32	1.2	3	5.6
AS-123218		0.77	A-123218	0.77	1800				
AS-123810		0.48	A-123810	0.46	1000				
AS-123812		0.57	A-123812	0.54	1200				
AS-123815		0.73	A-123815	0.73	1500	38	1.2	3	5.6
AS-123818		0.84	A-123818	0.87	1800				
AS-125010		0.60	A-125010	0.59	1000				
AS-125012		0.71	A-125012	0.72	1200				
AS-125015		0.89	A-125015	0.88	1500	50	1.2	3	5.6
AS-125018		1.06	A-125018	1.07	1800				
AS-153810		0.61	A-153810	0.62	1000				
AS-153812		0.75	A-153812	0.74	1200				
AS-153815		0.93	A-153815	0.93	1500	38	1.5	3.5	6.7
AS-153818		1.11	A-153818	1.12	1800				
AS-155010		0.76	A-155010	0.76	1000				
AS-155012		0.92	A-155012	0.91	1200				
AS-155015		1.16	A-155015	1.14	1500	50	1.5	3.5	6.7
AS-155018		1.37	A-155018	1.38	1800				
AS-205110		1.04	A-205110	1.06	1016 (40")				
AS-205112		1.30	A-205112	1.27	1219 (48")	51 (2")	2	3.8	8.1
AS-205115		1.61	A-205115	1.59	1524 (60")				
AS-205118		1.88	A-205118	1.9	1829 (72")				
			AT-307610	2.59	1067 (40")				
			AT-307612	2.95	1219 (48")	76 (3")	3	6	12.4
			AT-307615	3.66	1524 (60")				
			AT-307618	4.43	1829 (72")				



材質與表面處理

- 本體與掀把：不銹鋼(SUS304)，拋毛絲面。
- 檔片、固定架、軸心、鑰匙：不銹鋼(SUS304)。

特徴

- 專利設計：擋片軸心孔設計四點定位，可快速方便組裝。
- 現場裝配者只需旋轉一顆螺絲，即可快速安裝門鎖。
- 左、右、上、下三方向兼用型。
- 開啟可後退3mm開關迴轉順暢，關門後門板可迫緊箱框不搖動
- 擋片可自由調整至使用者關門迫緊時較適當之鬆緊程度
- 耐熱、耐腐蝕性。
- 防塵、防水 (IP66)

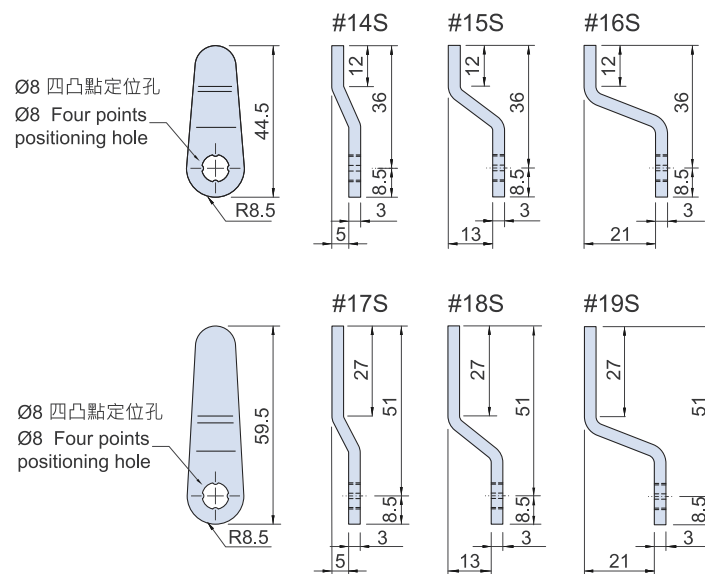
MATERIAL AND FINISH

- Body and Lever: Stainless steel (SUS304). Vibration ground
- and Brushed finish in front. Shaft, Pawl, Mounting Bracket and Key: Stainless steel (SUS304).

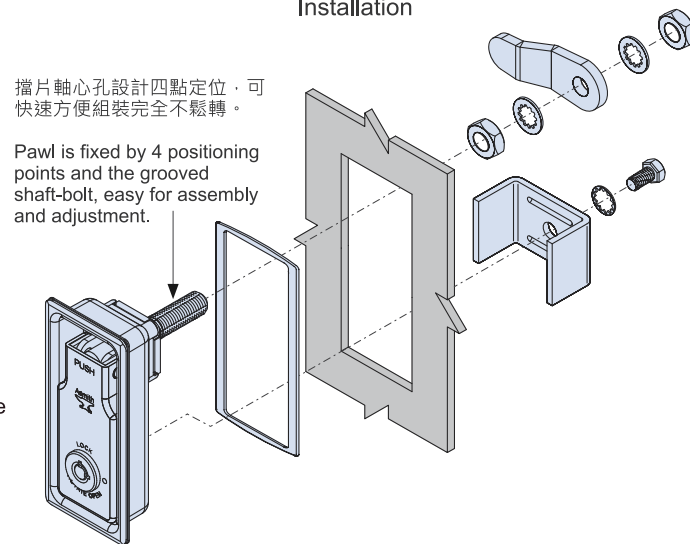
FEATURES

- Patent: Pawl is fixed by 4 positioning points and the grooved shaft-bolt, easy for assembly and adjustment. Need only to slide the pawl through the shaft-groove to the correct position, more stable and accurate.
- Left, right and top opening.
- The pawl moved forward and reversed vertically 3mm while the compression latch is opened and closed.
- Resistance to heat, corrosion and dust.
- Dust-resistant and waterproof (IP66).

檔片型式 *Pawl Type*

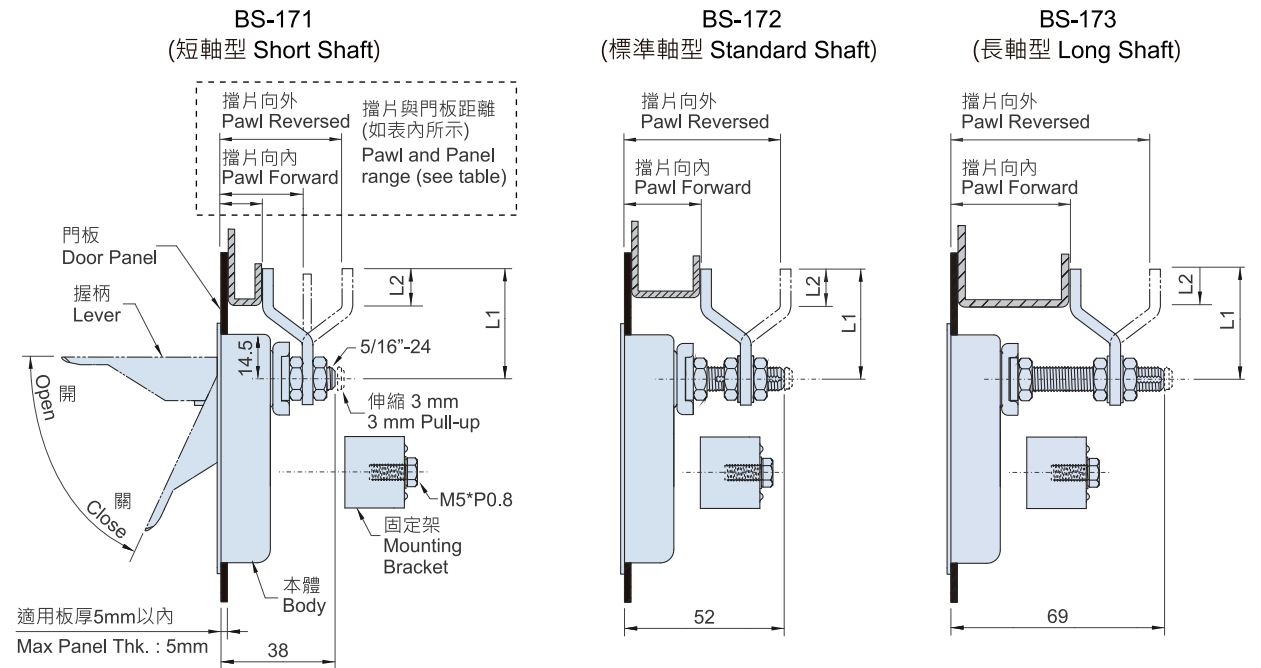


裝配示意圖
Installation



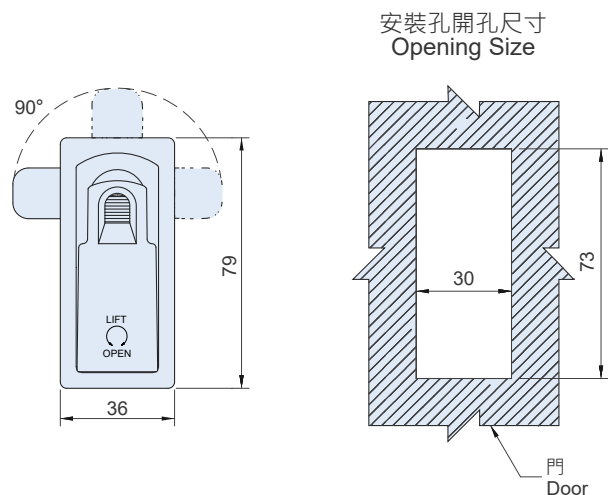
SPECIFICATION:

檔片型號 Pawl Type	材質 Material	表面處理 Finish	重量 Weight(g)
#44S	不鏽鋼 SUS304	震動亮面 Vibration ground	10.8
#14S			13.6
#15S			14.6
#16S			17.2
#17S			18.7
#18S			18.7
#19S			18.7



SPECIFICATION:

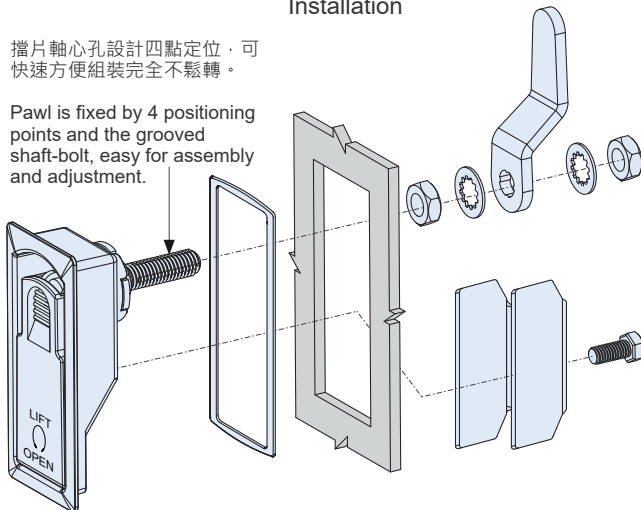
產品編號 Item No.		軸心型式 Shaft Type	檔片型式 Pawl Type	尺寸 Dimensions		檔片與門板距離 Pawl and Panel range		重量 Weight(g)	
無鎖芯 Without Lock	有鎖芯 With Lock		不鏽鋼 SUS304	L1	L2	向內 Pawl Forward	向外 Pawl Reversed	無鎖芯 Without Lock	有鎖芯 With Lock
BS-171744(W)	BS-1712-A44(W)	短軸型 Short Shaft	#44S	33		26		157.9	168.1
BS-171714(W)	BS-1712-A14(W)		#14S	36	12	21	31	160.7	170.9
BS-171715(W)	BS-1712-A15(W)		#15S			13	39	161.7	171.9
BS-171716(W)	BS-1712-A16(W)		#16S			5	47	164.3	174.5
BS-171717(W)	BS-1712-A17(W)		#17S			21	31	165.8	176
BS-171718(W)	BS-1712-A18(W)		#18S	13	39				
BS-171719(W)	BS-1712-A19(W)		#19S	5	47				
BS-172714(W)	BS-1722-A14(W)		標準軸型 Standard Shaft	#14S	36	12	27~37	37~47	171.9
BS-172715(W)	BS-1722-A15(W)	#15S		19~29			45~55	173.4	183.6
BS-172716(W)	BS-1722-A16(W)	#16S		11~21			53~63	175.7	185.8
BS-172717(W)	BS-1722-A17(W)	#17S		27~37	37~47	177.2	187.3		
BS-172718(W)	BS-1722-A18(W)	#18S		19~29	45~55				
BS-172719(W)	BS-1722-A19(W)	#19S		11~21	53~63				
BS-173714(W)	BS-1732-A14(W)	長軸型 Long Shaft	#14S	36	12	44~54	54~64	176.9	187.1
BS-173715(W)	BS-1732-A15(W)		#15S			36~46	62~72	178.4	188.6
BS-173716(W)	BS-1732-A16(W)		#16S			28~38	70~80	180.7	190.9
BS-173717(W)	BS-1732-A17(W)		#17S	51	27	44~54	54~64	182.2	192.4
BS-173718(W)	BS-1732-A18(W)		#18S			36~46	62~72		
BS-173719(W)	BS-1732-A19(W)		#19S			28~38	70~80		



安裝示意圖
Installation

擋片軸心孔設計四點定位，可快速方便組裝完全不鬆轉。

Pawl is fixed by 4 positioning points and the grooved shaft-bolt, easy for assembly and adjustment.



材質與表面處理

- 本體與握把：鋅合金，黑色。
- 軸心：鐵，鍍鋅。
- 擋片與固定架：鐵(SPHC)，鍍鋅。

特徵

- 專利設計：擋片軸心孔設計四點定位，可快速方便組裝。
- 現場裝配者只需旋轉一顆螺絲，即可快速安裝門鎖。
- 左、右、上，三方向兼用型。
- 開啟可後退3mm開閉迴轉順暢，關門後門板可迫緊箱框不搖動
- 擋片可自由調整至使用者關門迫緊時較適當之鬆緊程度
- 耐熱、耐腐蝕性，防塵、防水 (IP66)

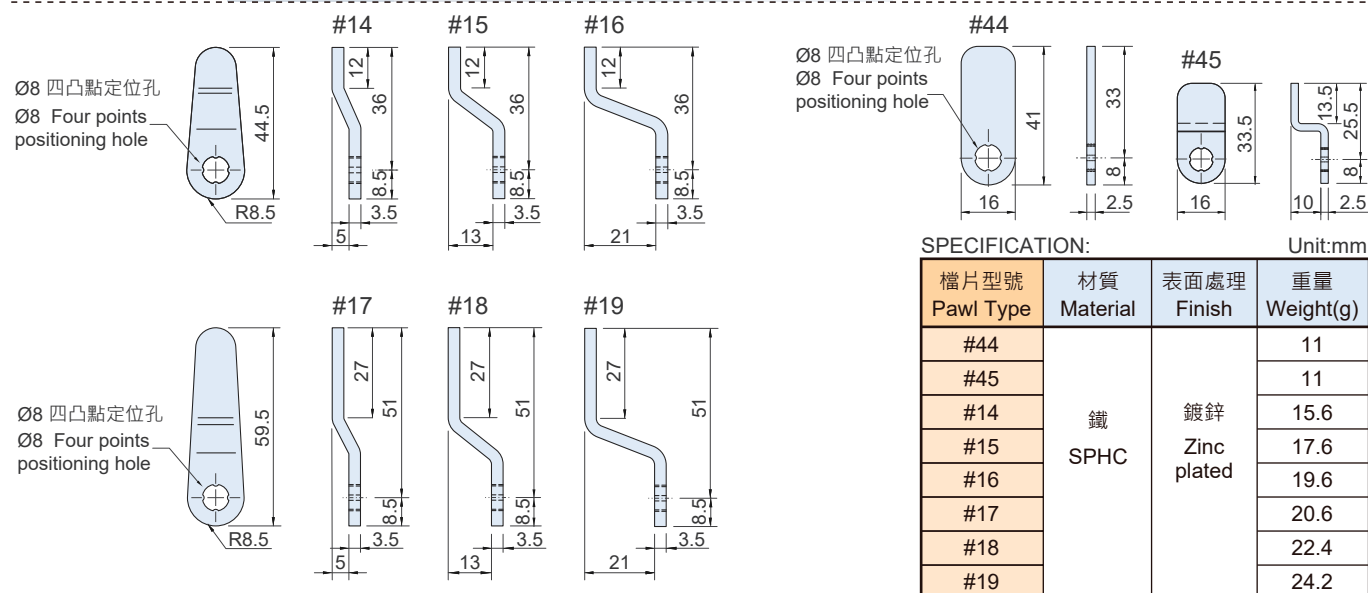
MATERIAL AND FINISH

- Body and Lever: Die-cast Zinc, Black powder coated.
- Shaft: Steel, Zinc plated.
- Pawl and Mounting Bracket: Steel (SPHC), Zinc plated.

FEATURES

- Patent: Pawl is fixed by 4 positioning points and the grooved shaft-bolt, easy for assembly and adjustment. Need only to slide the pawl through the shaft-groove to the correct position, more stable and accurate.
- Left, right and top opening.
- The pawl moved forward and reversed vertically 3mm while the compression latch is opened and closed.
- Resistance to heat, corrosion and dust. Dust-resistant and waterproof (IP66).

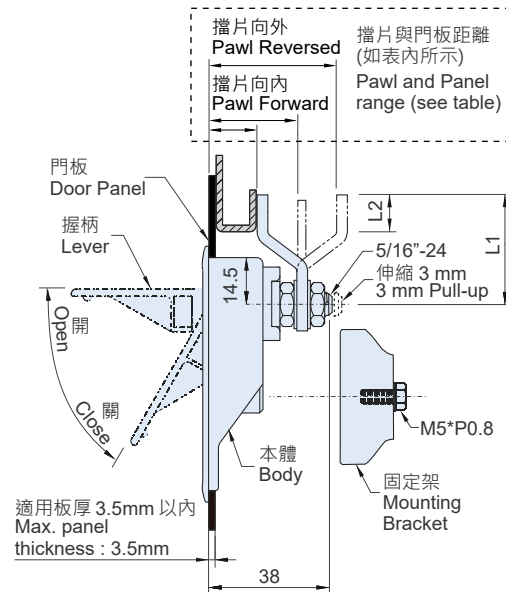
擋片型式 Pawl Type



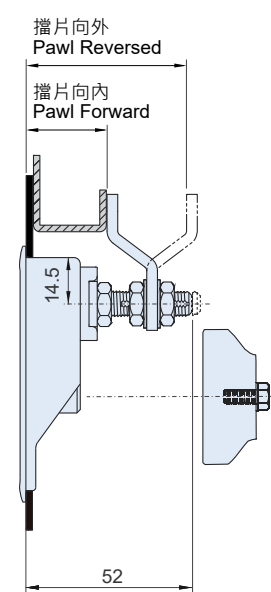
SPECIFICATION: Unit:mm

擋片型號 Pawl Type	材質 Material	表面處理 Finish	重量 Weight(g)
#44	鐵 SPHC	鍍鋅 Zinc plated	11
#45			11
#14			15.6
#15			17.6
#16			19.6
#17			20.6
#18			22.4
#19			24.2

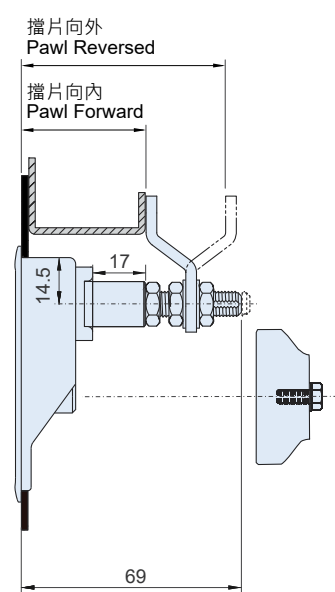
BZ-171
(短軸型 Short Shaft)



BZ-172
(標準軸型 Standard Shaft)

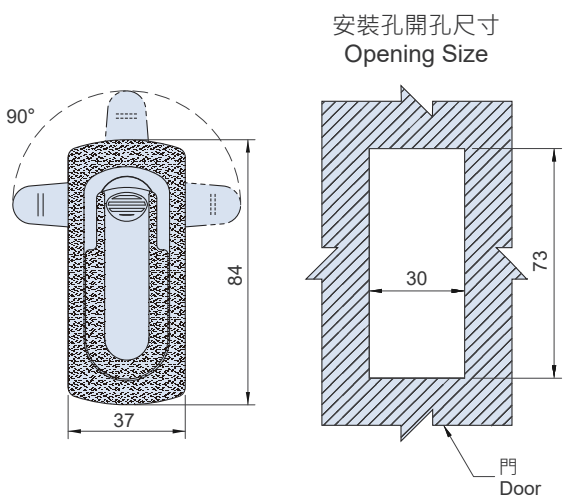
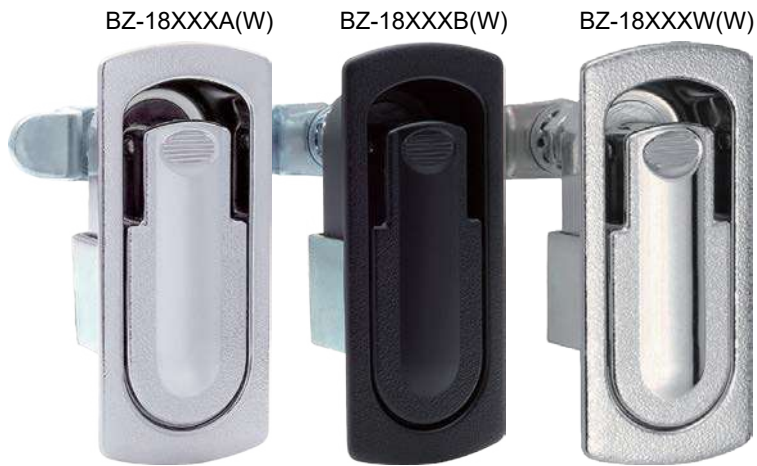


BZ-173
(長軸型 Long Shaft)



SPECIFICATION:

產品編號 Item No.	軸心 型式	檔片型號	尺寸 Dimensions		檔片與門板距離 Pawl and Panel range		重量 Weight (g)
外觀黑色 Black powder	Shaft Type	Pawl Type	L1	L2	檔片向內 Pawl Forward	檔片向外 Pawl Reversed	
BZ-171944(W)	短軸型 Short Shaft	#44	33		26		201
BZ-171945(W)		#45	25.5	13.5	36		201
BZ-171914(W)		#14	36	12	21	31	205.6
BZ-171915(W)		#15			13	39	207.6
BZ-171916(W)		#16			5	47	209.6
BZ-171917(W)		#17	51	27	21	31	210.6
BZ-171918(W)		#18			13	39	212.4
BZ-171919(W)		#19			5	47	214.2
BZ-172914(W)	標準軸型 Standard Shaft	#14	36	12	27~37	37~47	211.5
BZ-172915(W)		#15			19~29	45~55	213.5
BZ-172916(W)		#16			11~21	53~63	216.5
BZ-172917(W)		#17	27~37	37~47	217.5		
BZ-172918(W)		#18	51	27	19~29	45~55	218.5
BZ-172919(W)		#19	11~21	53~63	221.5		
BZ-173914(W)	長軸型 Long Shaft	#14	36	12	44~54	54~64	216.5
BZ-173915(W)		#15			36~46	62~72	218.5
BZ-173916(W)		#16			28~38	70~80	221.5
BZ-173917(W)		#17	44~54	54~64	222.5		
BZ-173918(W)		#18	51	27	36~46	62~72	223.5
BZ-173919(W)		#19	28~38	70~80	226.5		



材質與表面處理

- 本體與掀把：鋅合金、霧銘、黑色、亮銘。
- 軸心：鐵、鍍鋅。
- 擋片與固定架：鐵(SPHC)、鍍鋅。

特徵

- 專利設計：擋片軸心孔設計四點定位，可快速方便組裝。
- 現場裝配者只需旋轉一顆螺絲，即可快速安裝門鎖。
- 左、右、上、三方向兼用型。
- 開啟可後退 3mm 開閉迴轉順暢，關閉後門板可迫緊箱框不搖動。
- 耐熱、耐腐蝕性。
- 防塵、防水 (IP66)。

MATERIAL AND FINISH

- Body and Lever: Die-cast Zinc, Satin chrome plated or Black powder coated or Bright chrome plated.
- Shaft: Steel, Zinc plated.
- Pawl and Mounting Bracket: Steel (SPHC), Zinc plated.

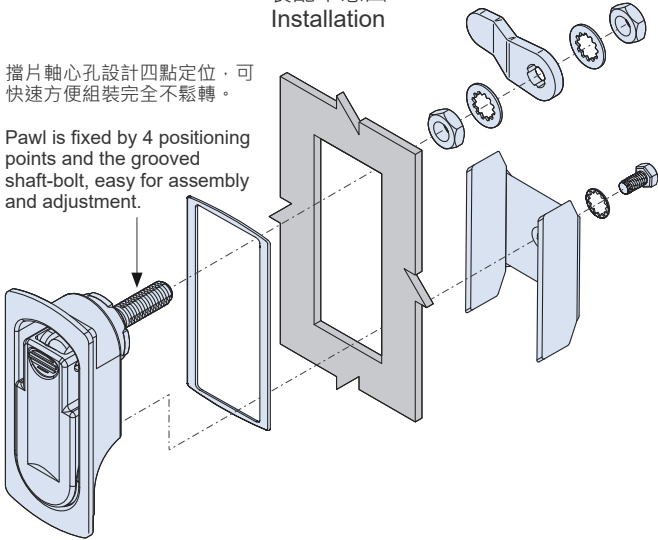
FEATURES

- Patent: Pawl is fixed by 4 positioning points and the grooved shaft-bolt, easy for assembly and adjustment. Need only to slide the pawl through the shaft-groove to the correct position, more stable and accurate.
- Left, right and top opening.
- The pawl moved forward and reversed vertically 3mm while the compression latch is opened and closed.
- Resistance to heat, corrosion and dust.
- Dust-resistant and waterproof (IP66).

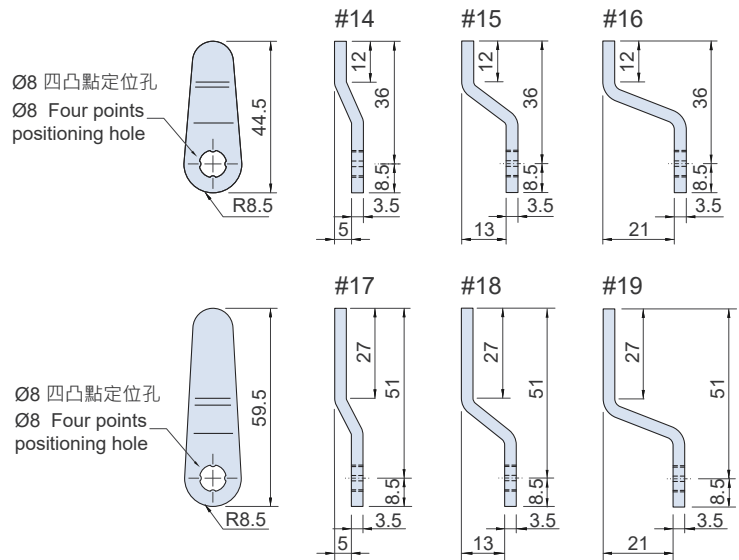
裝配示意圖 Installation

擋片軸心孔設計四點定位，可快速方便組裝完全不鬆轉。

Pawl is fixed by 4 positioning points and the grooved shaft-bolt, easy for assembly and adjustment.



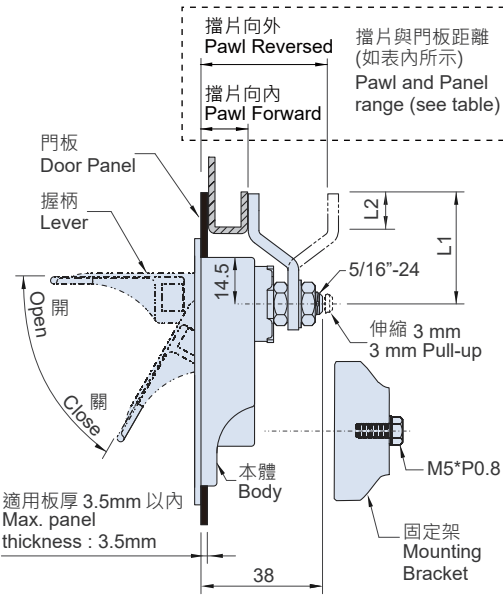
檔片型式 Pawl Type



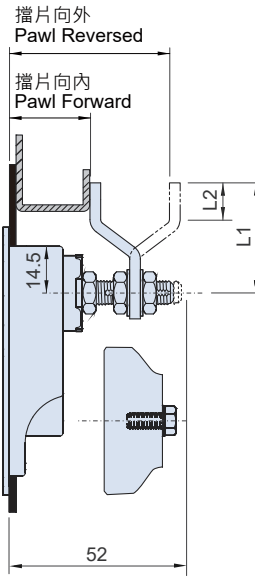
SPECIFICATION: Unit:mm

檔片型號 Pawl Type	材質 Material	表面處理 Finish	重量 Weight(g)
#14	鐵 SPHC	鍍鋅 Zinc plated	15.6
#15			17.6
#16			19.6
#17			20.6
#18			22.4
#19			24.2

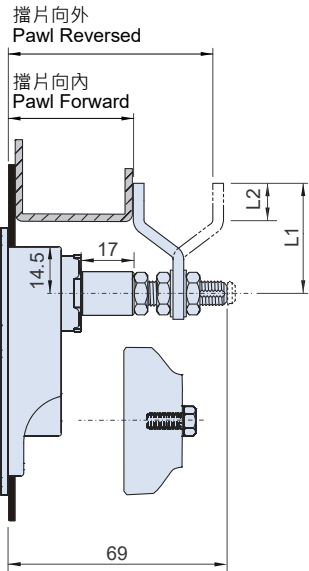
BZ-181
(短軸型 Short Shaft)



BZ-182
(標準軸型 Standard Shaft)



BZ-183
(長軸型 Long Shaft)



SPECIFICATION:

Unit:mm

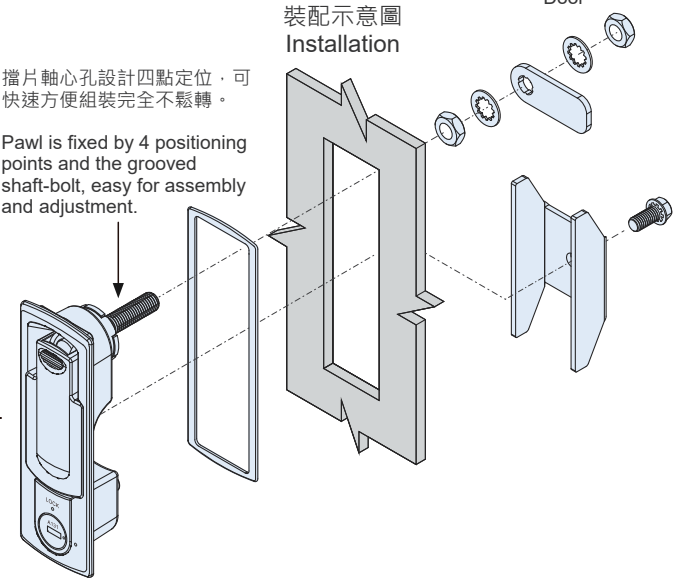
產品編號 Item No.			軸心 型式 Shaft Type	檔片型式 Pawl Type	尺寸 Dimensions		檔片與門板距離 Pawl and Panel range		重量 Weight (g)
外觀霧銘 Satin chrome	外觀黑色 Black powder	外觀亮銘 Bright chrome			L1	L2	檔片向內 Pawl Forward	檔片向外 Pawl Reversed	
BZ-18114A(W)	BZ-18114B(W)	BZ-18114W(W)	短軸型 Short Shaft	#14	36	12	21	31	185
BZ-18115A(W)	BZ-18115B(W)	BZ-18115W(W)		#15			13	39	187
BZ-18116A(W)	BZ-18116B(W)	BZ-18116W(W)		#16			5	47	189
BZ-18117A(W)	BZ-18117B(W)	BZ-18117W(W)		#17	51	27	21	31	190
BZ-18118A(W)	BZ-18118B(W)	BZ-18118W(W)		#18			13	39	191
BZ-18119A(W)	BZ-18119B(W)	BZ-18119W(W)		#19			5	47	194
BZ-18214A(W)	BZ-18214B(W)	BZ-18214W(W)	標準軸型 Standard Shaft	#14	36	12	27~37	37~47	193
BZ-18215A(W)	BZ-18215B(W)	BZ-18215W(W)		#15			19~29	45~55	194
BZ-18216A(W)	BZ-18216B(W)	BZ-18216W(W)		#16			11~21	53~63	197
BZ-18217A(W)	BZ-18217B(W)	BZ-18217W(W)		#17	51	27	27~37	37~47	198
BZ-18218A(W)	BZ-18218B(W)	BZ-18218W(W)		#18			19~29	45~55	199
BZ-18219A(W)	BZ-18219B(W)	BZ-18219W(W)		#19			11~21	53~63	202
BZ-18314A(W)	BZ-18314B(W)	BZ-18314W(W)	長軸型 Long Shaft	#14	36	12	44~54	54~64	212
BZ-18315A(W)	BZ-18315B(W)	BZ-18315W(W)		#15			36~46	62~72	213
BZ-18316A(W)	BZ-18316B(W)	BZ-18316W(W)		#16			28~38	70~80	216
BZ-18317A(W)	BZ-18317B(W)	BZ-18317W(W)		#17	51	27	44~54	54~64	217
BZ-18318A(W)	BZ-18318B(W)	BZ-18318W(W)		#18			36~46	62~72	218
BZ-18319A(W)	BZ-18319B(W)	BZ-18319W(W)		#19			28~38	70~80	221



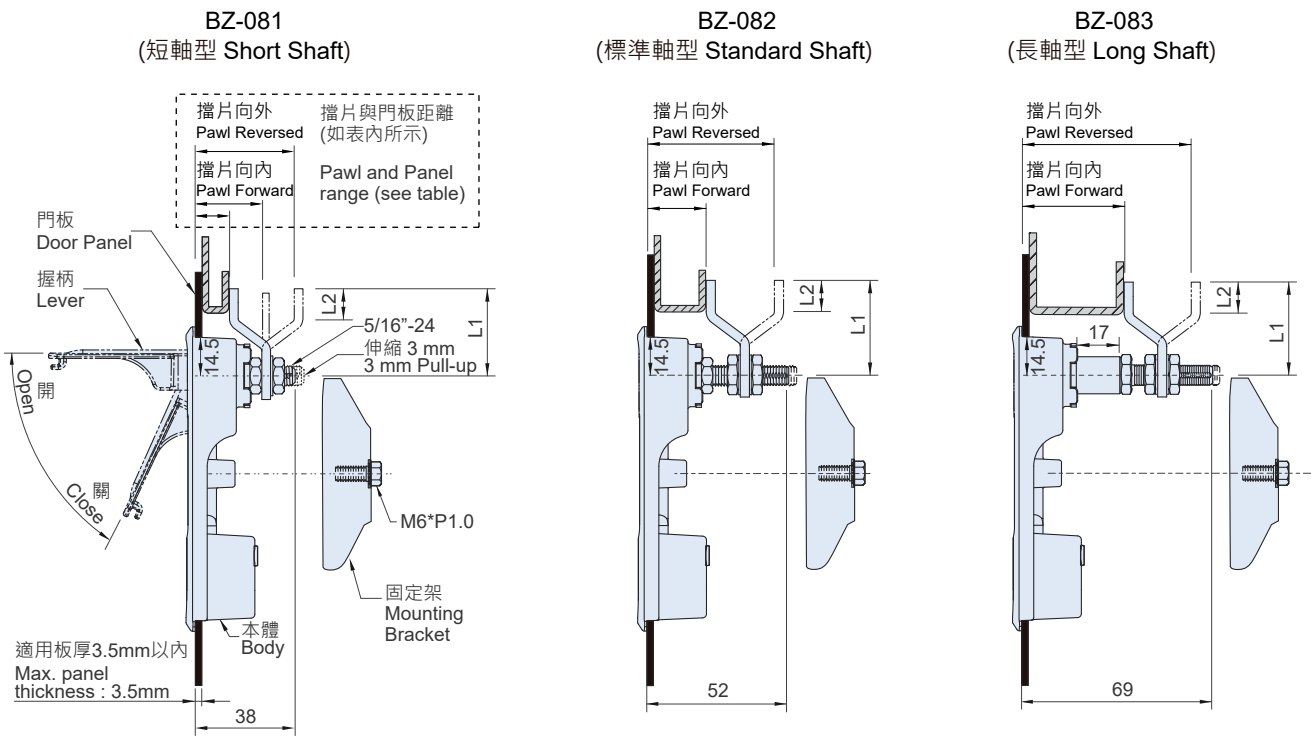
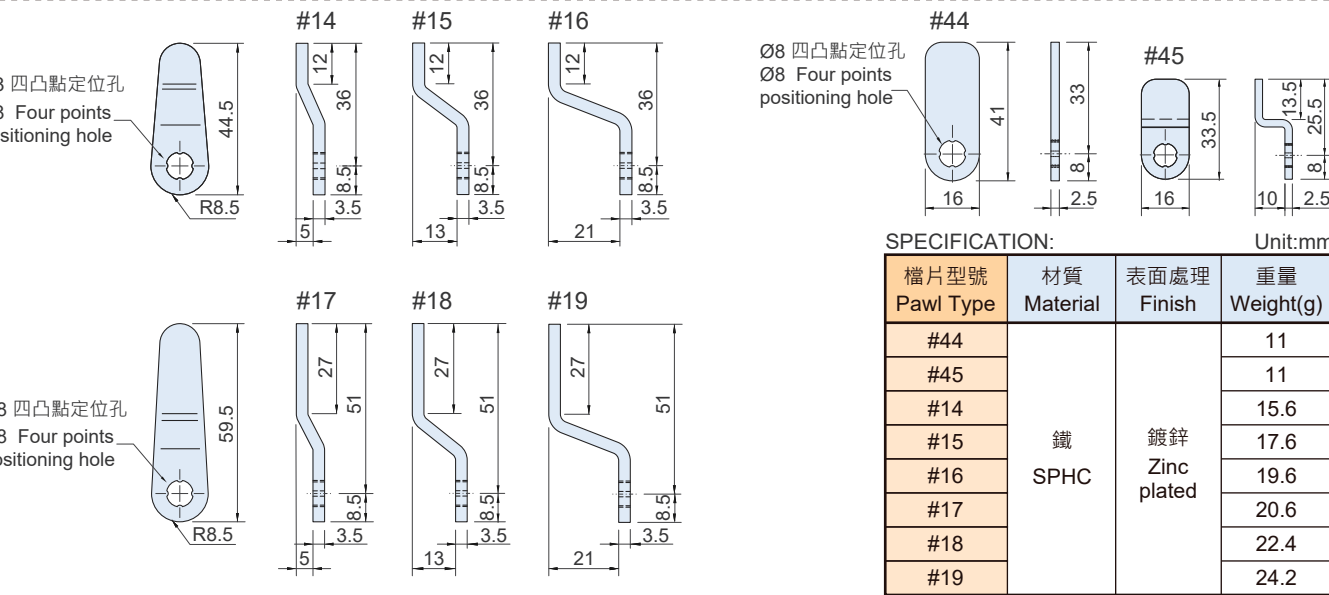
- 材質與表面處理**
- 本體與握把：鋅合金，亮鉻、黑色。
 - 軸心：鐵，鍍鋅。
 - 擋片與固定架：鐵(SPHC)，鍍鋅。
- 特徵**
- 專利設計：擋片軸心孔設計四點定位，可快速方便組裝。
 - 現場裝配者只需旋轉一顆螺絲，即可快速安裝門鎖。
 - 左、右、上、三方向兼用型。
 - 開啟可後退3mm開閉迴轉順暢，開門後門板可迫緊箱框不搖動。
 - 開啟時不受鑰匙干擾即可順暢旋轉握柄。
 - 耐熱、耐腐蝕性，防塵、防水 (IP66)

- MATERIAL AND FINISH**
- Body: Die-cast Zinc, Black powder coated.
 - Lever: Die-cast Zinc, Bright chrome plated or Black powder coated.
 - Shaft: Steel, Zinc plated.
 - Pawl and Mounting Bracket: Steel (SPHC), Zinc plated.

- FEATURES**
- Patent: Pawl is fixed by 4 positioning points and the grooved shaft-bolt, easy for assembly and adjustment. Need only to slide the pawl through the shaft-groove to the correct position, more stable and accurate.
 - Left, right and top opening.
 - The pawl moved forward and reversed vertically 3mm while the compression latch is opened and closed.
 - Upon opening, the lever can be rotated smoothly without key-locking interference.
 - Resistance to heat, corrosion and dust. Dust-resistant and waterproof (IP66).



檔片型式 Pawl Type



SPECIFICATION:

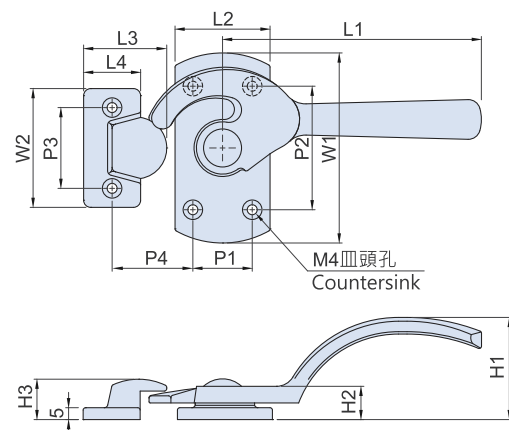
Unit:mm

產品編號 Item No.		軸心 型式 Shaft Type	檔片型式 Pawl Type	尺寸 Dimensions		檔片與門板距離 Pawl and Panel range		重量 Weight (g)
本體黑色・掀把亮鉻 Black Body, Chrome Lever	外觀黑色 Black powder			L1	L2	檔片向內 Pawl Forward	檔片向外 Pawl Reversed	
BZ-0810-W44-A131	BZ-0810-B44-A131	短軸型 Short Shaft	#44	33		26		297.6
BZ-0810-W45-A131	BZ-0810-B45-A131		#45	25.5	13.5	36		297.6
BZ-0810-W14-A131	BZ-0810-B14-A131		#14	36	12	21	31	302.2
BZ-0810-W15-A131	BZ-0810-B15-A131		#15			13	39	304.2
BZ-0810-W16-A131	BZ-0810-B16-A131		#16			5	47	306.2
BZ-0810-W17-A131	BZ-0810-B17-A131		#17	51	27	21	31	307.6
BZ-0810-W18-A131	BZ-0810-B18-A131		#18			13	39	309
BZ-0810-W19-A131	BZ-0810-B19-A131		#19			5	47	310.8
BZ-0820-W14-A131	BZ-0820-B14-A131	標準軸型 Standard Shaft	#14	36	12	27~37	37~47	305.4
BZ-0820-W15-A131	BZ-0820-B15-A131		#15			19~29	45~55	307
BZ-0820-W16-A131	BZ-0820-B16-A131		#16			11~21	53~63	309.8
BZ-0820-W17-A131	BZ-0820-B17-A131		#17	51	27	27~37	37~47	310.6
BZ-0820-W18-A131	BZ-0820-B18-A131		#18			19~29	45~55	312
BZ-0820-W19-A131	BZ-0820-B19-A131		#19			11~21	53~63	314
BZ-0830-W14-A131	BZ-0830-B14-A131	長軸型 Long Shaft	#14	36	12	44~54	54~64	325.4
BZ-0830-W15-A131	BZ-0830-B15-A131		#15			36~46	62~72	326.8
BZ-0830-W16-A131	BZ-0830-B16-A131		#16			28~38	70~80	329.6
BZ-0830-W17-A131	BZ-0830-B17-A131		#17	51	27	44~54	54~64	330.6
BZ-0830-W18-A131	BZ-0830-B18-A131		#18			36~46	62~72	331.8
BZ-0830-W19-A131	BZ-0830-B19-A131		#19			28~38	70~80	334

BS-2114 Series 迫緊門鎖 Compression Latch



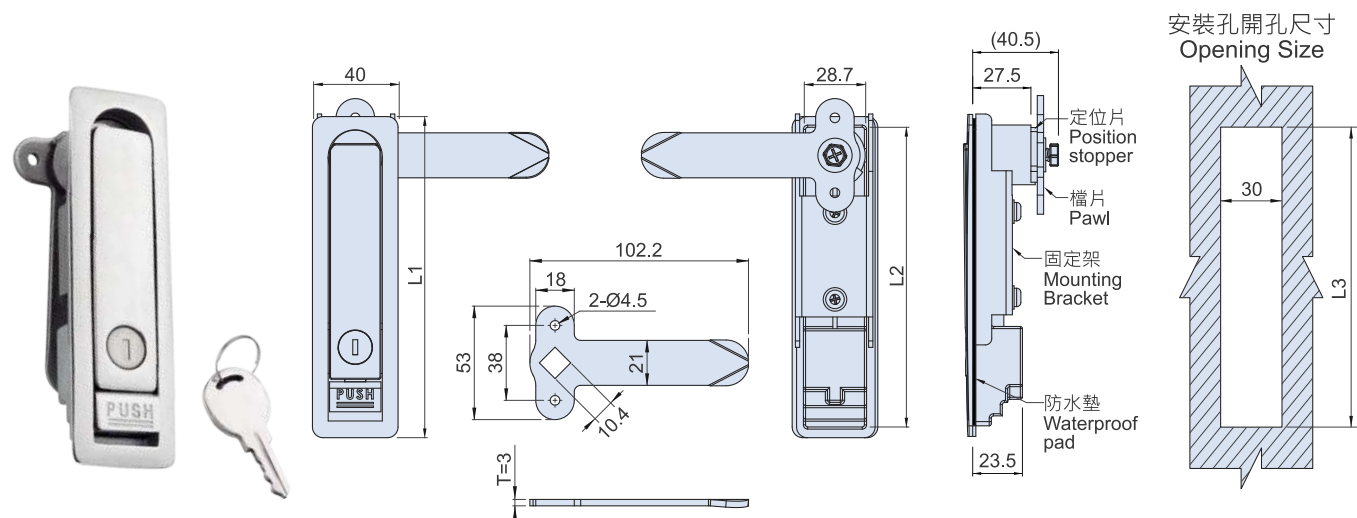
BS-2114-XR



SPECIFICATION:

產品編號 Item No.		材質 Material	表面處理 Finish	尺寸 Dimensions													重量 Weight(g)
左手開型 Left-hand use	右手開型 Right-hand use			L1	L2	L3	L4	W1	W2	P1	P2	P3	P4	H1	H2	H3	
BS-2114-1L	BS-2114-1R	SUS316	亮面拋光 High gloss polished	127	45	40	28	90	52	34	70	40	43	49	17	19	450
BS-2114-2L	BS-2114-2R			109	40	35	24	80	50	25	52	34	34	43	14	17	290
BS-2114-3L	BS-2114-3R			98	32	32	23	65	50	22	43	35	30	36	14	18	210
BS-2114-4L	BS-2114-4R			84	30	30	20	60	45	20	40	32	28	35	13	14.5	160
BS-2114-5L	BS-2114-5R			68	30	30	20	55	45	17	37	32	28	28	12.5	14.5	130

BS-2180 Series 轉舌門鎖 Pawl / Cam Lock



特徵

- 316不鏽鋼脫蠟鑄造，耐腐蝕性強，可防水。
- 具鎖頭，使用鑰匙開啟，搭配按鈕，可彈起把手，易於操作。
- 左右兼用型。調整定位片的角度即可更改左右開門方向。
- 可作為天地栓門鎖，檔片有2個孔，可自行安裝天地栓連桿。

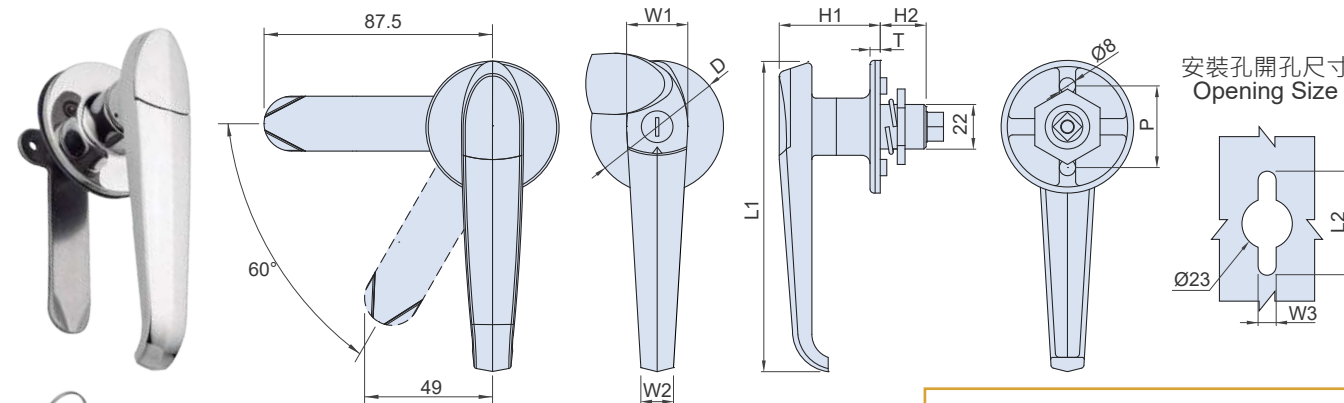
FEATURES

- SUS316 and made by dewaxing casting, Strong corrosion resistance, and waterproof.
- Lock design with key open. With press button to rise of handle to use.
- Dual-use type. Adjusting the angle of the positioning piece can change the door opening direction to the left or right.
- Have two holes can combine with heaven and earth bolt connecting rod to use.

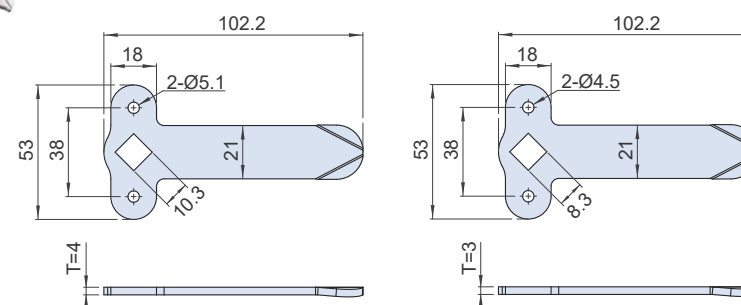
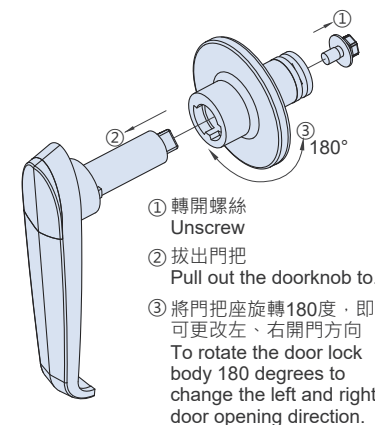
SPECIFICATION :

產品編號 Item No.	材質 Material	表面處理 Finish	適用板厚 Max. panel thickness	尺寸 Dimensions			重量 Weight(g)
				L1	L2	L3	
BS-2180-1	SUS316	亮面拋光 High gloss polished	4mm↓	152	142	143	580
BS-2180-2				137	127	128	540

BS-2130 Series 轉舌門鎖 Pawl / Cam Lock

BS-2130-1
BS-2130-2

BS-2130-3

如何變更左、右開門方向?
How to change the opening direction?

SPECIFICATION:

產品編號 Item No.	材質 Material	表面處理 Finish	適用板厚 Max. panel thickness	尺寸 Dimensions													重量 Weight (g)
				L1	L2	W1	W2	W3	H1	H2	P	D	T				
BS-2130-1	SUS316	亮面拋光 High gloss polished	14mm↓	152	48.5	30	16	8.5	49.5	22.5	40	65	5	530			
BS-2130-2			8mm↓	134	40	25	14	7.5	43	15.5	32	55	4	350			
BS-2130-3				120	40	24						48		310			

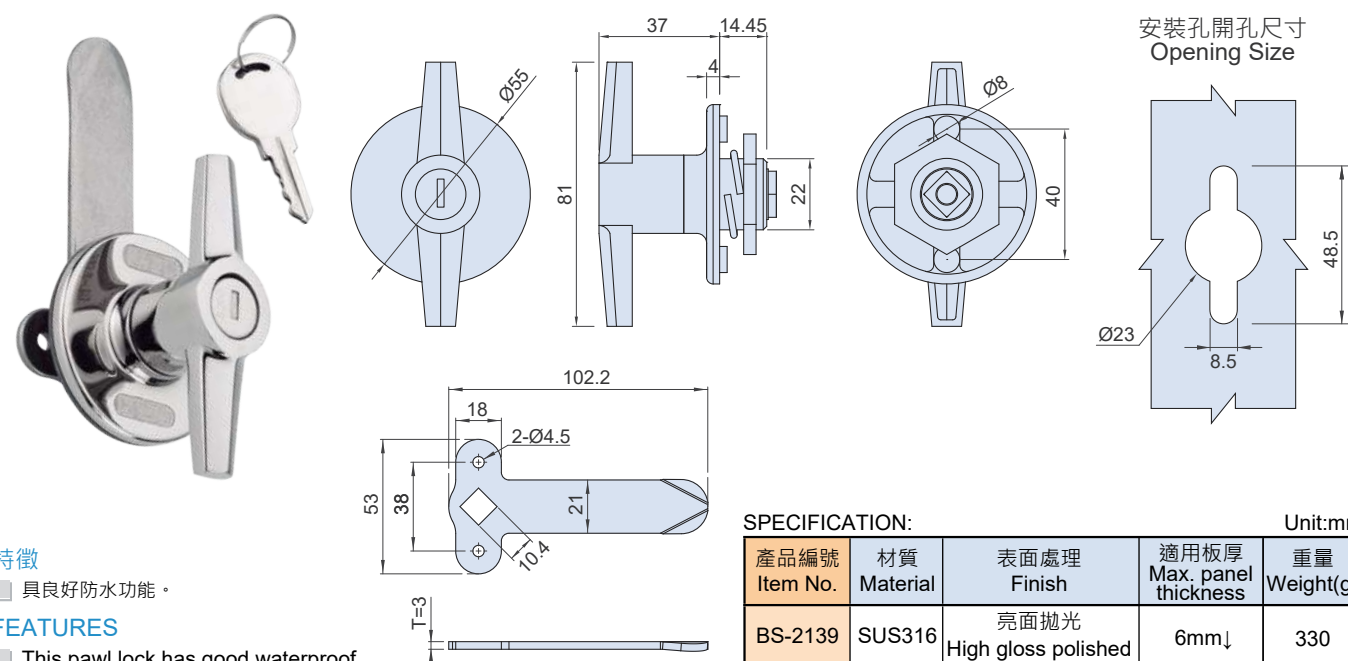
特徵

- 具良好防水功能。

FEATURES

- This pawl lock has good waterproof.

BS-2139 轉舌門鎖 Pawl / Cam Lock



特徵

- 具良好防水功能。

FEATURES

- This pawl lock has good waterproof.

SPECIFICATION:

產品編號 Item No.	材質 Material	表面處理 Finish	適用板厚 Max. panel thickness	重量 Weight(g)
BS-2139	SUS316	亮面拋光 High gloss polished	6mm↓	330

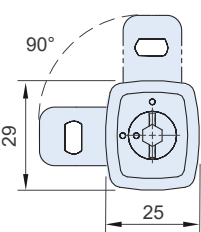
B-011XX



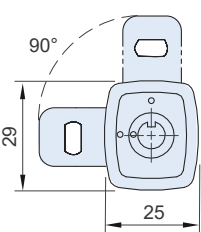
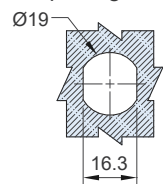
B-012XX



B-010 / B-011



B-012 / B-013

安裝孔開孔尺寸
Opening Size

材質與表面處理

- 本體：尼龍(PA66+GF)。
- 軸心：鋅合金，表面鍍鉻。
- 擋片：鐵(SPCC)鍍鋅。

特徵

- 材料符合UL94 HB防火等級。

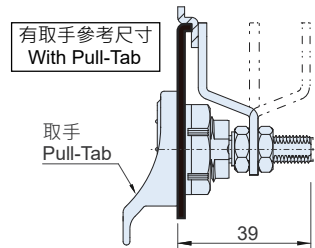
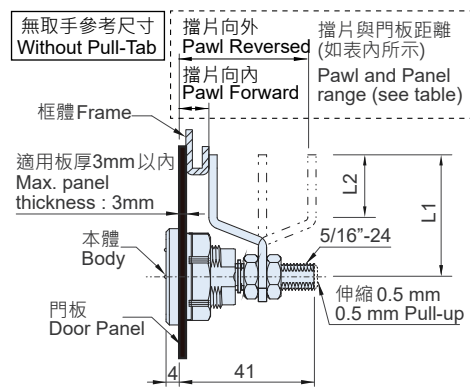
MATERIAL AND FINISH

- Body: Nylon(PA66+GF).
- Shaft: Zinc alloy, Chrome plated.
- Pawl: Cold-rolled Steel (SPCC), Zinc plated.

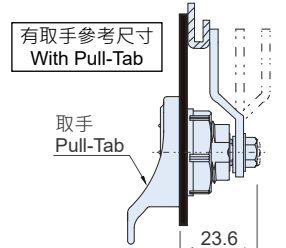
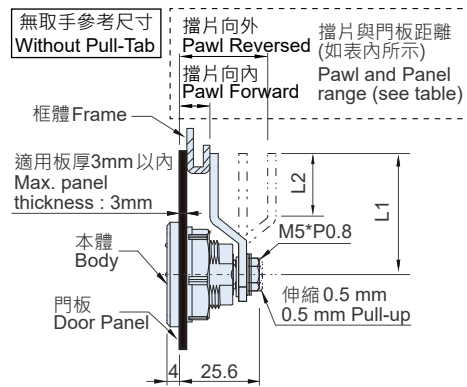
FEATURES

- Use the original raw material compliant with UL94 HB standards.

【長軸型 Long-Shaft Type】



【短軸型 Short-Shaft Type】



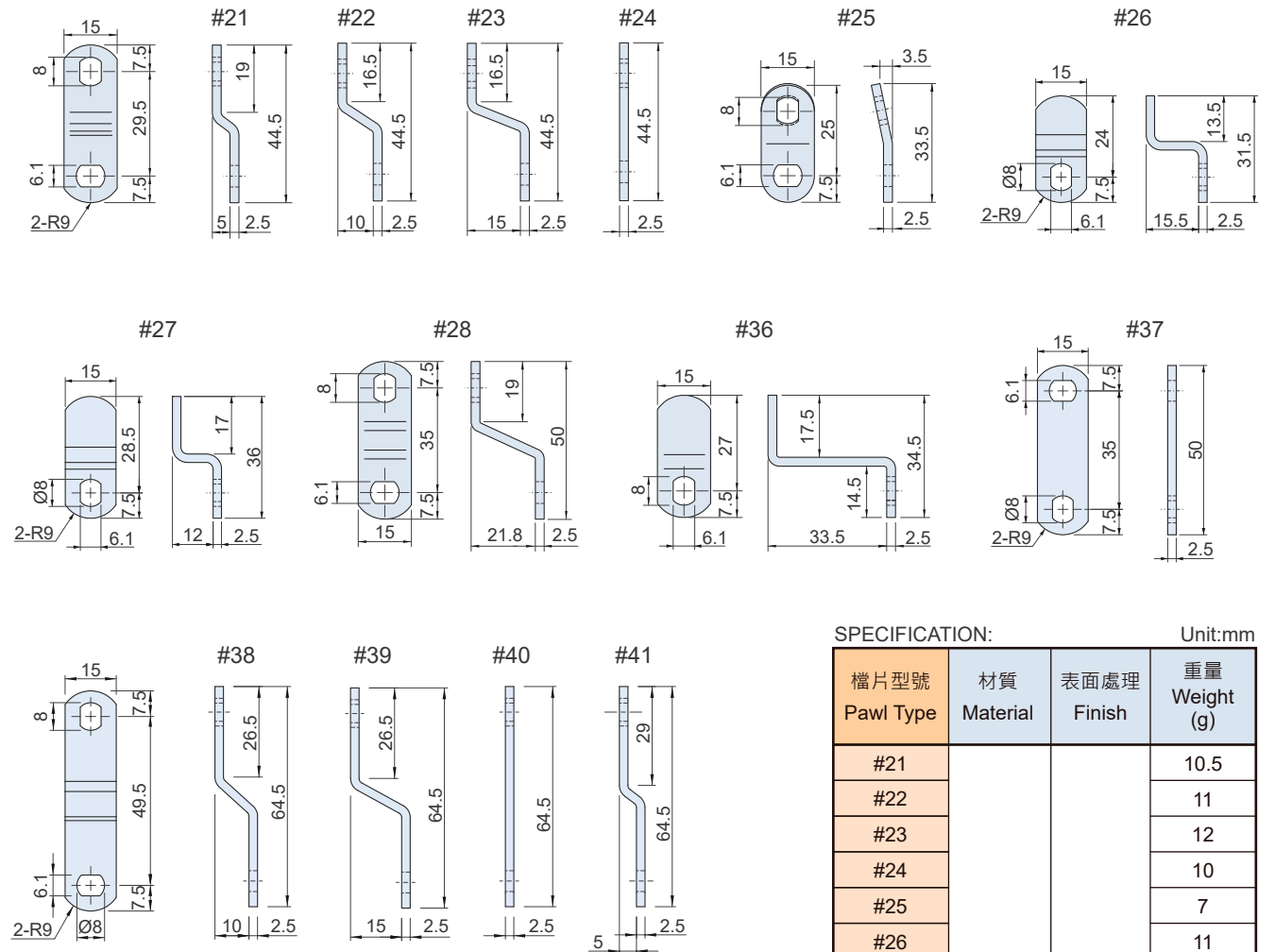
SPECIFICATION:

Unit:mm

產品編號 Item No.		軸心 型號 Shaft Type	檔片 型號 Pawl Type	尺寸 Dimensions		檔片與門板距離 Pawl and Panel range		重量 Weight (g)
六角鎖 Hex-5mm	圓形鎖 Tubular			L1	L2	檔片向內 Pawl Forward	檔片向外 Pawl Reversed	
B-01021	B-01221	長軸 Long Shaft	#21	37	19	19~28	29~38	40.5
B-01022	B-01222		#22	37	16.5	14~23	34~43	41
B-01023	B-01223		#23	37	16.5	9~18	39~48	42
B-01024	B-01224		#24	37		24~33		40
B-01025	B-01225		#25	25		24~33		37
B-01026	B-01226		#26	24	13.5		39.5~48.5	41
B-01027	B-01227		#27	28.5	17		37~45	42
B-01028	B-01228		#28	42.5	19	2.2~11.2	45.5~54.5	45.6
B-01036	B-01236		#36	27	17.5		57.5~66.5	46.8
B-01037	B-01237		#37	42.5		24~33		42
B-01038	B-01238		#38	57	26.5	14~23	34~43	47
B-01039	B-01239		#39	57	26.5	9~18	39~48	48
B-01040	B-01240	短軸 Short Shaft	#40	57		24~33		46
B-01041	B-01241		#41	57	29	19~28	29~38	46
B-01121	B-01321		#21	37	19	13.6	23.6	33
B-01122	B-01322		#22	37	16.5	8.6	28.6	33.5
B-01123	B-01323		#23	37	16.5	3.6	33.6	34.5
B-01124	B-01324		#24	37		18.6		32.5
B-01125	B-01325		#25	25		18.6		29.5
B-01126	B-01326		#26	24	13.5		34.1	33.5
B-01127	B-01327		#27	28.5	17		30.6	34.5
B-01128	B-01328		#28	42.5	19		40.4	38.1
B-01136	B-01336		#36	27	17.5		52.1	39.3
B-01137	B-01337		#37	42.5		18.6		34.5
B-01138	B-01338		#38	57	26.5	8.6	28.6	39.5
B-01139	B-01339		#39	57	26.5	3.6	33.6	40.5
B-01140	B-01340		#40	57		18.6		38.5
B-01141	B-01341		#41	57	29	13.6	23.6	38.5

備註：鑰匙取手需另外選配。安裝取手時，請將檔片與門板距離減少2mm

Remarks: The Lock do not include Key and Pull-Tab. With Pull-Tab, the "Pawl and Panel range" will reduce 2 mm.



SPECIFICATION:

Unit:mm

檔片型號 Pawl Type	材質 Material	表面處理 Finish	重量 Weight (g)
#21	鐵 SPHC	鍍鋅 Zinc plated	10.5
#22			11
#23			12
#24			10
#25			7
#26			11
#27			12
#28			15.6
#36			16.8
#37			12
#38			17
#39			18
#40			16
#41			16

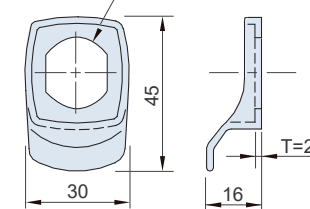
201010Z



201009Z



B-1602

裝置孔定位
Installation

SPECIFICATION:

Unit:mm

產品編號 Item No.	品名 Description	材質 Material	重量 Weight(g)
201010Z	圓形鑰匙 Tubular Key	鋅合金 Zinc Alloy	9.5
201009Z	六角鑰匙5mm Hex. Key 5mm	鋅合金 Zinc Alloy	9.5
B-1602	取手 Pull-Tab	尼龍 Nylon (PA66+GF)	4.2

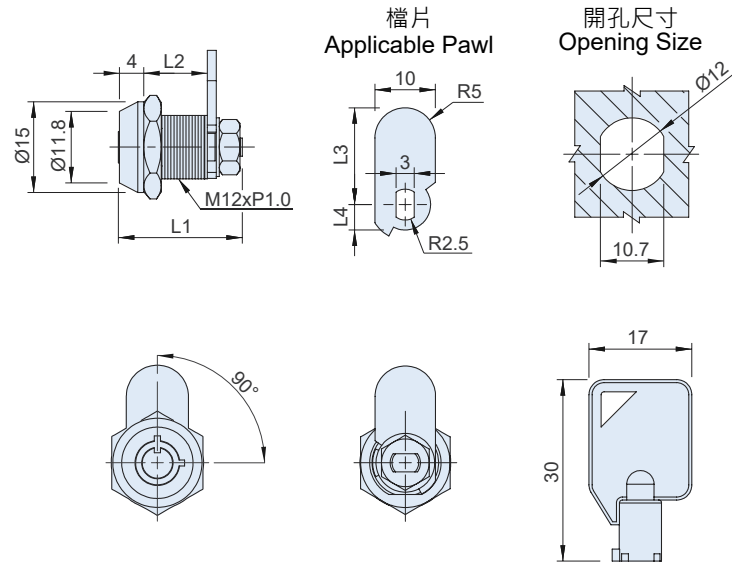
特徵

- B-1602：材料符合UL94 HB防火等級。

FEATURES

- B-1602: Use the original raw material compliant with UL94 HB standards.

BZ-19 Series 轉舌門鎖 Pawl / Cam Lock



材質與表面處理

■ 本體與檔片：鋅合金、鐵、鍍鉻。

特徵

■ 目前為單一鎖號。如需不同鎖號訂製，請訂購500pcs 以上。

MATERIAL AND FINISH

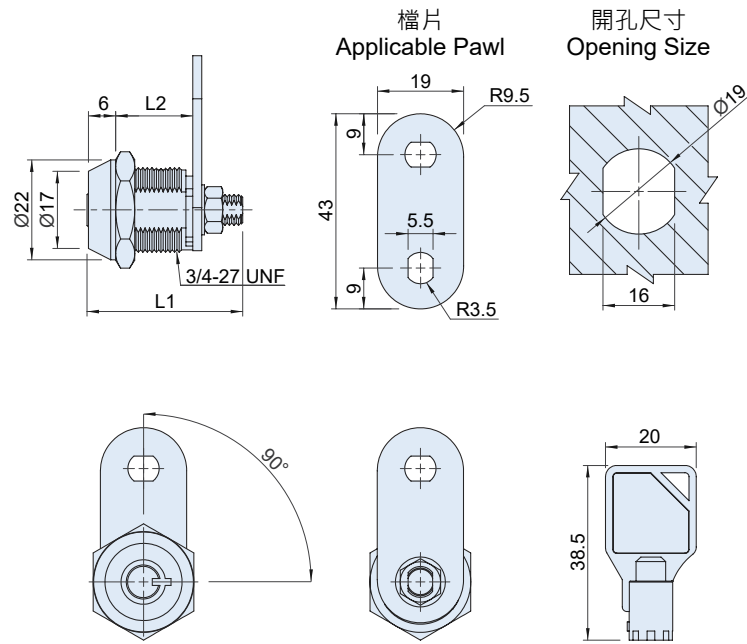
■ Shaft and Pawl: Zinc alloy & SPHC, Chrome plated.

FEATURES

■ Currently only one key number is available (KA). For different key number MOQ is 500pcs.

SPECIFICATION:						Unit:mm	
產品編號 Item No.	鎖號 Key No.	適用板厚 Max. panel thickness	尺寸 Dimensions				重量 Weight (g)
			L1	L2	L3	L4	
BZ-1910	#24	7mm ↓	20.5	10.5	16	4.2	23
BZ-1920	#1	11mm ↓	26.2	16	19.3	4.5	27

BD-20 Series 轉舌門鎖 Pawl / Cam Lock



材質與表面處理

■ 本體與檔片：青銅、鐵、鍍鉻。

特徵

■ 關閉時，鑰匙才可取下

■ 目前為單一鎖號。如需不同鎖號訂製，請訂購500pcs 以上。

MATERIAL AND FINISH

■ Shaft and Pawl: Bronze & SPHC, Chrome plated.

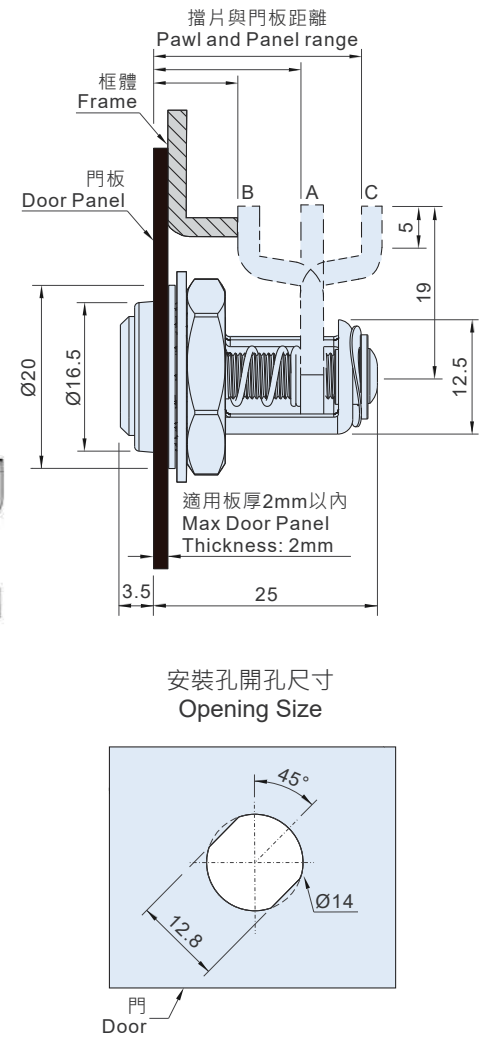
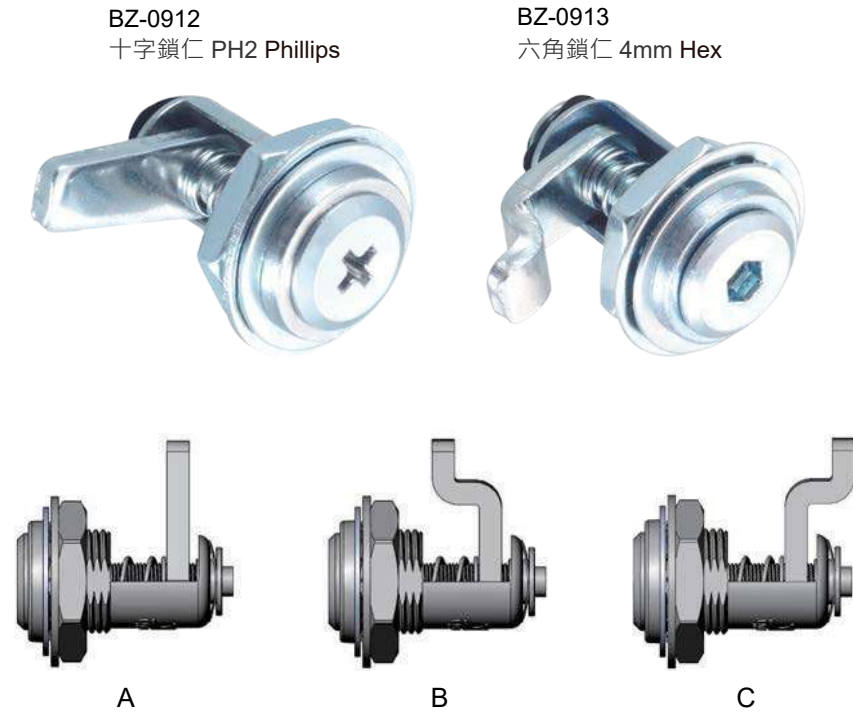
FEATURES

■ Key may be withdrawn in closure position so you don't fail to lock.

■ Currently only one key number is available (KA). For different key number MOQ is 500pcs.

SPECIFICATION:			Unit:mm		
產品編號 Item No.	鎖號 Key No.	適用板厚 Max. panel thickness	尺寸 Dimensions		重量 Weight (g)
			L1	L2	
BD-2010	#5	11mm ↓	34.3	17	84
BD-2020	#10	17mm ↓	40	23	95

BZ-09 Series 轉舌迫緊門鎖 Compression Pawl / Cam Lock Latch

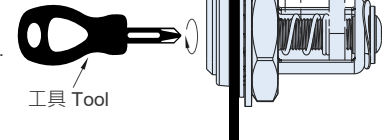


作動

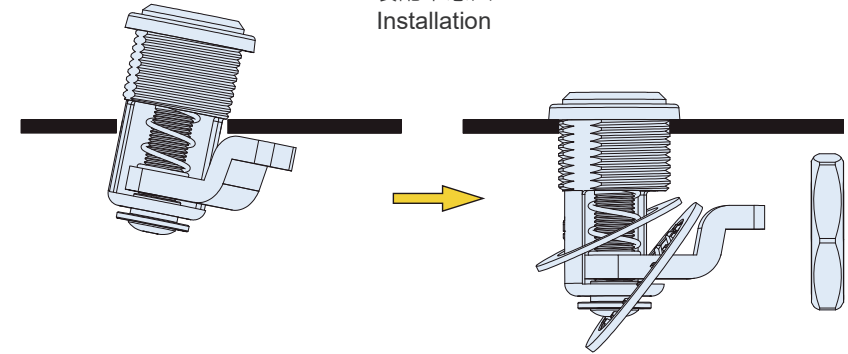
透過工具轉動鎖頭，檔片會開/關
當繼續轉動鎖頭時，檔片會前移緊固或後退釋放

ACT

Turn the lock by a tool, the pawl will open or close.
Keep to turn the lock, the pawl will move forward to tighten or move backward to loosen.



裝配示意圖
Installation



材質與表面處理

■ 鎖殼：鋅合金、鍍鉻。

■ 鎖心、軸心、檔片：鐵、鍍鉻。

MATERIAL AND FINISH

■ Lock housing: Die-cast Zinc, Zinc plated.

■ Lock center, Shaft, Pawl: Steel, Zinc plated.

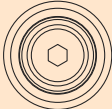
特徵

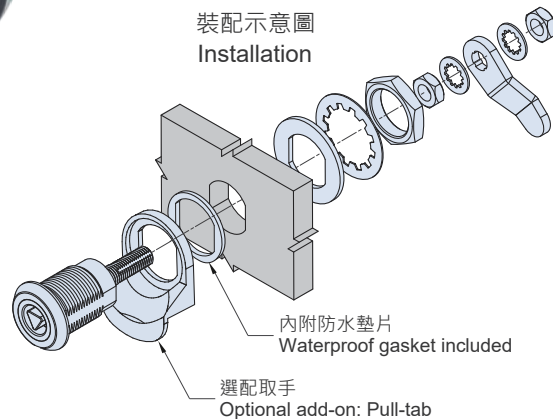
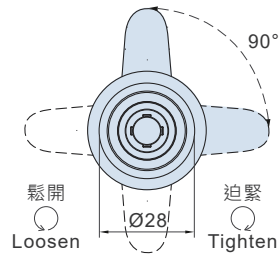
■ 鎖頭可用簡易工具開啟及關閉。

■ 利用簡易工具轉動鎖頭時，檔片會因鎖頭的轉動而前移或後退，透過調整檔片迫緊程度，使門框不搖動。

FEATURES

■ The pawl and tightness could be adjusted by the easy tools instead of the key.

SPECIFICATION:		Unit:mm		
產品編號 Item No.		檔片型式 Pawl Type	擋片與門板距離 Pawl and Panel range	重量 Weight (g)
十字鎖仁 PH2 Phillips Recess PH2	六角鎖仁 4mm Hex-4mm			
				
BZ-09121	BZ-09131	A	8.8~16.5	25
BZ-09122	BZ-09132	B	2.5~10.2	
BZ-09123	BZ-09133	C	15~22.8	

BZ-0320 / BZ-0330
圓形鎖仁 TubularBZ-0321 / BZ-0331
三角鎖仁 TrigonometryBZ-0322 / BZ-0332
手把鎖仁 HandleBZ-0323 / BZ-0333
六角鎖仁 5mm HexBZ-0324 / BZ-0334
六角鎖仁 8mm Hex裝配示意圖
Installation安裝孔開孔尺寸
Opening Size

材質與表面處理

- 本體：鋅合金，黑色。
- 軸心：鐵，鍍鋅。
- 擋片：鐵(SPHC)，鍍鋅。
- 旋鈕(BZ-0322 / BZ-0332)：尼龍(PA6+GF)。

MATERIAL AND FINISH

- Body: Die-cast Zinc, Black powder coated.
- Shaft: Steel, Zinc plated.
- Pawl: Steel (SPHC), Zinc plated.
- Knob (BZ-0322 / BZ-0332): Nylon(PA6+GF).

特徵

- 專利設計：軸心調整牙部份四溝，配合擋片孔四點定位，可快速組裝，不鬆轉又堅固。
- 迫緊功能可使門板迫緊體不搖動，適用於各種機械箱體門板、配電箱、車輛等。
- 開門時，擋片垂直後移6mm後，擋片旋轉開啟；關門時，擋片旋轉關閉後，擋片垂直前移6mm迫緊門板。
- 六角鎖仁可用簡易工具開啟。圓形鎖仁及三角鎖仁開啟請參考選配組件的鑰匙。
- 具良好防塵、防水(IP66)及防震功能。

FEATURES

- Patent: The grooved shaft and pawl are excellent match in four (4) position points.
- It is not only easy for assembly and adjustment, but also durable and strong.
- The shaft enables a 6mm axial movement for compression sealing.
- The hex-type lock can be opened using a standard tool. For the round and triangle lock types, please refer to the optional key sets.
- This compression latch has good Dust-resistant and waterproof (IP66), and against vibration.

BZ-03 Series 選配組件 Accessory

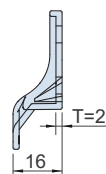
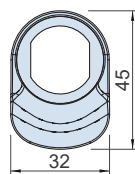
203009Z



203019Z



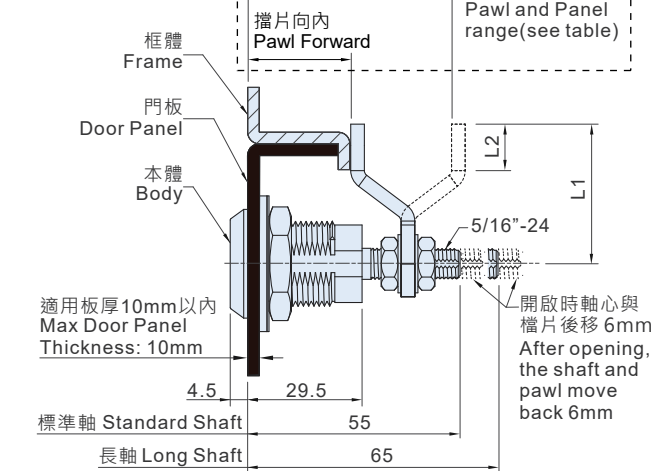
B-1603



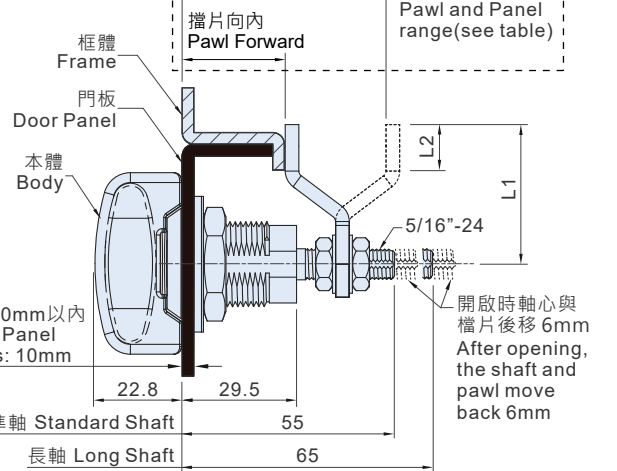
SPECIFICATION:				Unit:mm
產品編號 Item No.	品名 Description	材質 Material	重量 Weight(g)	
203009Z	圓形鑰匙 Tubular Key	鋅合金 Zinc Alloy	22.5	
203019Z	三角形鑰匙 Trigonometry Key	鋅合金 Zinc Alloy	23.5	
B-1603	取手 Pull-Tab	尼龍 Nylon	4.6	

備註:安裝取手時,需先將門鎖上的防水墊片取下,安裝取手後再裝上防水墊片

Remarks:Before assembling pull tab, user needs to take off waterproof gasket from door latch after pull tab is assembled on latch, user puts gasket back on latch to finish assembling.

BZ-0320, BZ-0321
BZ-0323, BZ-0324

BZ-0322

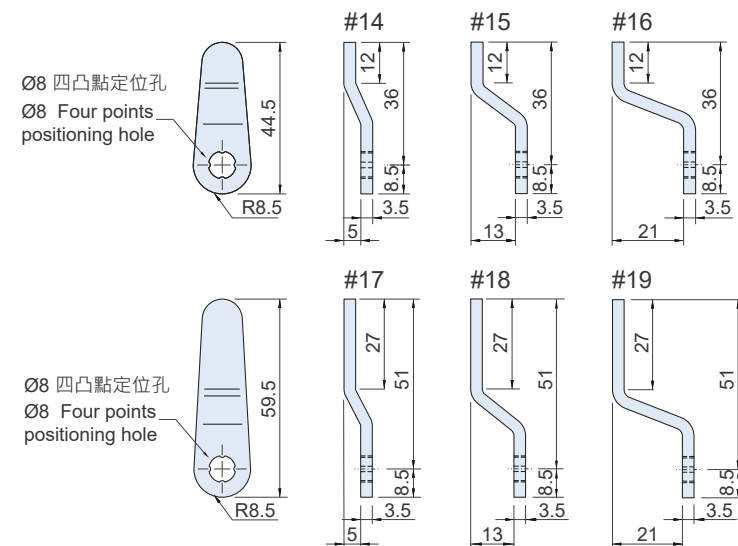


SPECIFICATION:

產品編號 Item No.					軸心 型式 Shaft Type	檔片 型式 Pawl Type	尺寸 Dimensions		檔片與門板距離 Pawl and Panel range		重量 Weight(g)	
圓形鎖 Tubular	三角鎖 Trigonometry	手把鎖 Handle	六角鎖 Hex-5mm	六角鎖 Hex-8mm			L1	L2	檔片向內 Pawl Forward	檔片向外 Pawl Reversed		
BZ-0320914	BZ-0321914	BZ-0322914	BZ-0323914	BZ-0324914	標準軸型 Standard Shaft	#14	36	12	32~40	42~50	112	116
BZ-0320915	BZ-0321915	BZ-0322915	BZ-0323915	BZ-0324915		#15			24~32	50~58	114	118
BZ-0320916	BZ-0321916	BZ-0322916	BZ-0323916	BZ-0324916		#16			16~24	58~66	116	120
BZ-0320917	BZ-0321917	BZ-0322917	BZ-0323917	BZ-0324917		#17	51	27	32~40	42~50	117	122
BZ-0320918	BZ-0321918	BZ-0322918	BZ-0323918	BZ-0324918		#18			24~32	50~58	118	123
BZ-0320919	BZ-0321919	BZ-0322919	BZ-0323919	BZ-0324919	長軸型 Long Shaft	#19	36	12	16~24	58~66	120	125
BZ-0330914	BZ-0331914	BZ-0332914	BZ-0333914	BZ-0334914		#14			42~50	52~60	115	119
BZ-0330915	BZ-0331915	BZ-0332915	BZ-0333915	BZ-0334915		#15			34~42	60~68	117	120
BZ-0330916	BZ-0331916	BZ-0332916	BZ-0333916	BZ-0334916		#16			26~34	68~76	119	122
BZ-0330917	BZ-0331917	BZ-0332917	BZ-0333917	BZ-0334917		#17	51	27	42~50	52~60	120	124
BZ-0330918	BZ-0331918	BZ-0332918	BZ-0333918	BZ-0334918		#18			34~42	60~68	121	125
BZ-0330919	BZ-0331919	BZ-0332919	BZ-0333919	BZ-0334919		#19			26~34	68~76	123	127

備註：鑰匙取手需另外選配。安裝取手時，請將檔片與門板距離減少2mm。Remarks: The Lock do not include Key and Pull-Tab. With Pull-Tab, the "Pawl and Panel range" will reduce 2 mm.

檔片型式 Pawl Type



SPECIFICATION:

檔片型號 Pawl Type	材質 Material	表面處理 Finish	重量 Weight(g)
#14	鐵 SPHC	鍍鋅 Zinc plated	15.6
#15			17.6
#16			19.6
#17			20.6
#18			22.4
#19			24.2



BZ-0320 / BZ-0330
圓形鎖仁 Tubular



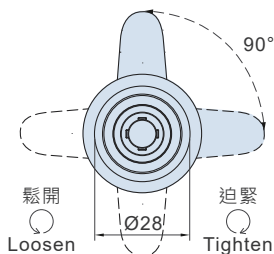
BZ-0321 / BZ-0331
三角鎖仁 Trigonometry



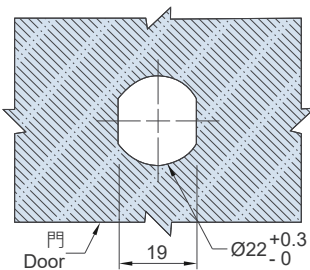
BZ-0323 / BZ-0333
六角鎖仁 5mm Hex



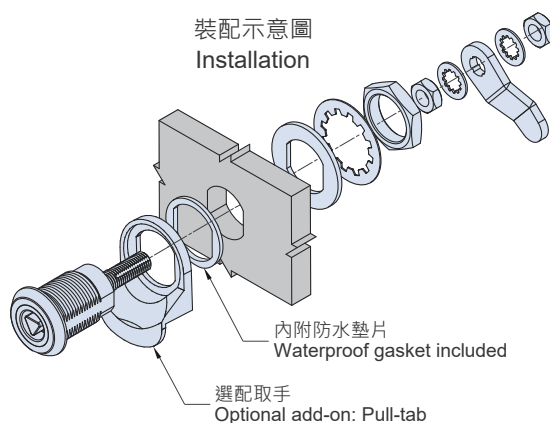
BZ-0324 / BZ-0334
六角鎖仁 8mm Hex



安裝孔開孔尺寸
Opening Size



裝配示意圖
Installation



材質與表面處理

- 本體：鋅合金，鍍鉻。
- 軸心：鐵，鍍鋅。
- 擋片：鐵(SPHC)，鍍鋅。

MATERIAL AND FINISH

- Body: Die-cast Zinc, Bright Chrome
- Shaft: Steel, Zinc plated.
- Pawl: Steel (SPHC), Zinc plated.

特徵

- 專利設計：軸心調整牙部份四溝，配合擋片孔四點定位，可快速組裝，不鬆轉又堅固。
- 迫緊功能可使門板迫緊櫃體不搖動，適用於各種機械箱體門板、配電箱、車輛等。
- 開門時，擋片垂直後移6mm後，擋片旋轉開啟；關門時，擋片旋轉關閉後，擋片垂直前移6mm迫緊門板。
- 六角鎖仁可用簡易工具開啟。圓形鎖仁及三角鎖仁開啟請參考選配組件的鑰匙。
- 具良好防塵、防水(IP66)及防震功能。

FEATURES

- Patent: The grooved shaft and pawl are excellent match in four (4) position points.
- It is not only easy for assembly and adjustment, but also durable and strong.
- The shaft enables a 6mm axial movement for compression sealing.
- The hex-type lock can be opened using a standard tool. For the round and triangle lock types, please refer to the optional key sets.
- This compression latch has good Dust-resistant and waterproof (IP66), and against vibration.

BZ-03 Series 選配組件 Accessory



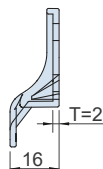
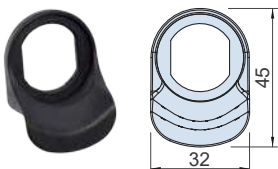
203009Z



203019Z



B-1603



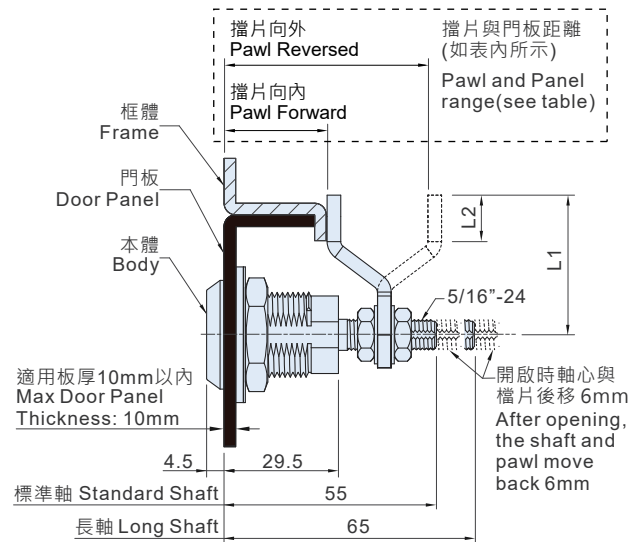
SPECIFICATION:

Unit:mm

產品編號 Item No.	品名 Description	材質 Material	重量 Weight(g)
203009Z	圓形鑰匙 Tubular Key	鋅合金 Zinc Alloy	22.5
203019Z	三角形鑰匙 Trigonometry Key	鋅合金 Zinc Alloy	23.5
B-1603	取手 Pull-Tab	尼龍 Nylon	4.6

備註:安裝取手時,需先將門鎖上的防水墊片取下,安裝取手後再裝上防水墊片

Remarks:Before assembling pull tab, user needs to take off waterproof gasket from door latch after pull tab is assembled on latch, user puts gasket back on latch to finish assembling.



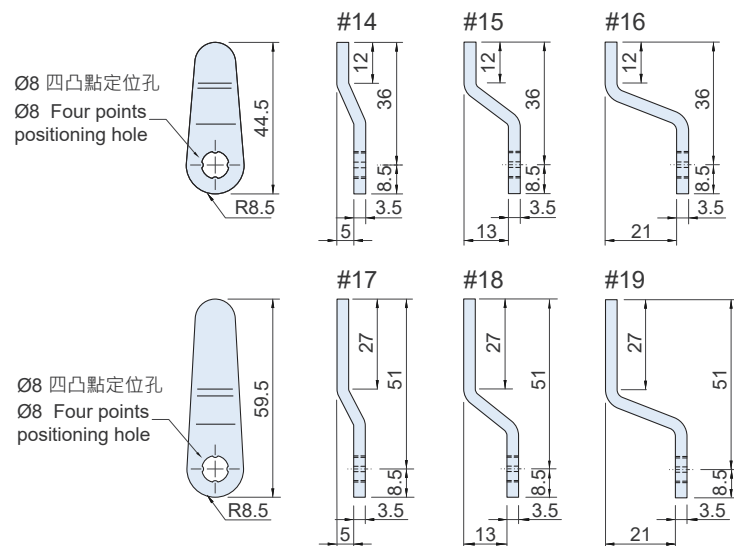
SPECIFICATION:

Unit:mm

產品編號 Item No.				軸心 型式 Shaft Type	擋片 型式 Pawl Type	尺寸 Dimensions		擋片與門板距離 Pawl and Panel range		重量 Weight(g)
圓形鎖 Tubular	三角鎖 Trigonometry	六角鎖 Hex-5mm	六角鎖 Hex-8mm			L1	L2	擋片向內 Pawl Forward	擋片向外 Pawl Reversed	
BZ-0320914W	BZ-0321914W	BZ-0323914W	BZ-0324914W	標準軸型 Standard Shaft	#14	36	12	32~40	42~50	112
BZ-0320915W	BZ-0321915W	BZ-0323915W	BZ-0324915W		#15			24~32	50~58	114
BZ-0320916W	BZ-0321916W	BZ-0323916W	BZ-0324916W		#16			16~24	58~66	116
BZ-0320917W	BZ-0321917W	BZ-0323917W	BZ-0324917W		#17	51	27	32~40	42~50	117
BZ-0320918W	BZ-0321918W	BZ-0323918W	BZ-0324918W		#18			24~32	50~58	118
BZ-0320919W	BZ-0321919W	BZ-0323919W	BZ-0324919W	長軸型 Long Shaft	#19	36	12	16~24	58~66	120
BZ-0330914W	BZ-0331914W	BZ-0333914W	BZ-0334914W		#14			42~50	52~60	115
BZ-0330915W	BZ-0331915W	BZ-0333915W	BZ-0334915W		#15			34~42	60~68	117
BZ-0330916W	BZ-0331916W	BZ-0333916W	BZ-0334916W		#16			26~34	68~76	119
BZ-0330917W	BZ-0331917W	BZ-0333917W	BZ-0334917W		#17	51	27	42~50	52~60	120
BZ-0330918W	BZ-0331918W	BZ-0333918W	BZ-0334918W		#18			34~42	60~68	121
BZ-0330919W	BZ-0331919W	BZ-0333919W	BZ-0334919W		#19			26~34	68~76	123

備註：鑰匙取手需另外選配。安裝取手時，請將擋片與門板距離減少2mm。Remarks: The Lock do not include Key and Pull-Tab. With Pull-Tab, the "Pawl and Panel range" will reduce 2 mm.

擋片型式 Pawl Type

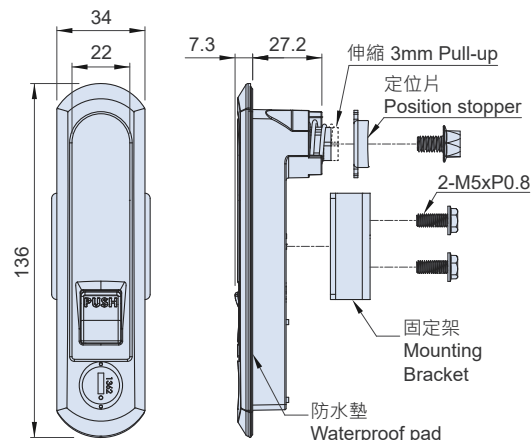


SPECIFICATION:

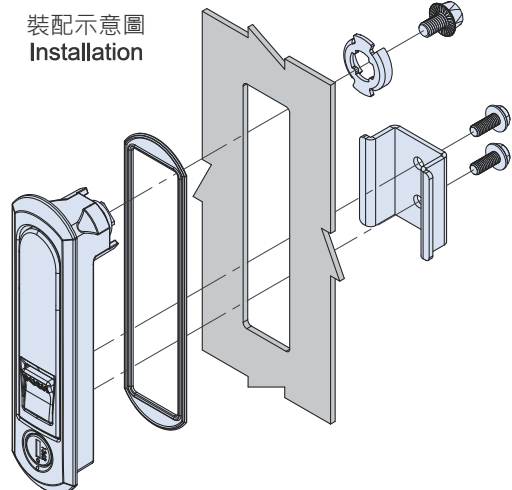
Unit:mm

擋片型號 Pawl Type	材質 Material	表面處理 Finish	重量 Weight(g)
#14	鐵 SPHC	鍍鋅 Zinc plated	15.6
#15			17.6
#16			19.6
#17			20.6
#18			22.4
#19			24.2

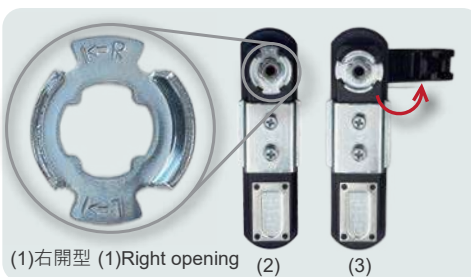
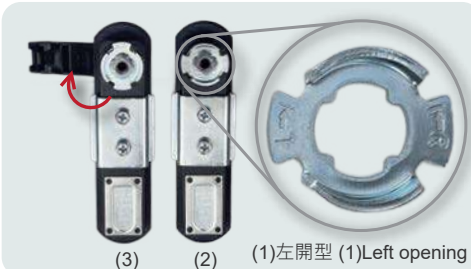
BZ-0520B



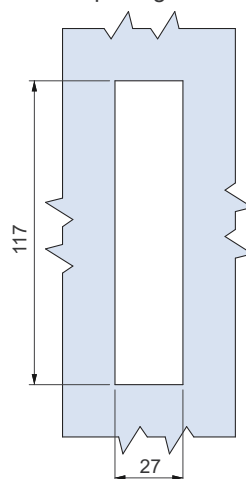
裝配示意圖
Installation



定位片安裝 Positioning Stopper Installation



安裝孔開孔尺寸
Opening Size



定位片安裝說明

- (1) 選擇左開門或右開門，以決定定位片的擺放方式。
- (2) 掀把掀起不轉動的狀態下，進行定位片安裝。
- (3) 掀把轉動時，定位片可限制掀把轉動角度。

特徵

- 安全結構設計。按壓後，手隨掀把而起，可防止彈到人身。
- 掀把上掀，檔片即後退3mm，使掀把旋轉順暢。
- 掀把下壓，檔片即前縮3mm，使門板與箱體迫緊不鬆動。
- 防塵，防水(IP66)。
- 適用板厚：5mm以內。

POSITION STOPPER INSTALL INSTRUCTION

- (1) Choose left-opening or right-opening door to determine the placement method of the stopper.
- (2) Install the position stopper while the lever is lifted but not rotated.
- (3) When the lever is rotated, the position stopper can restrict the rotation angle of the lever.

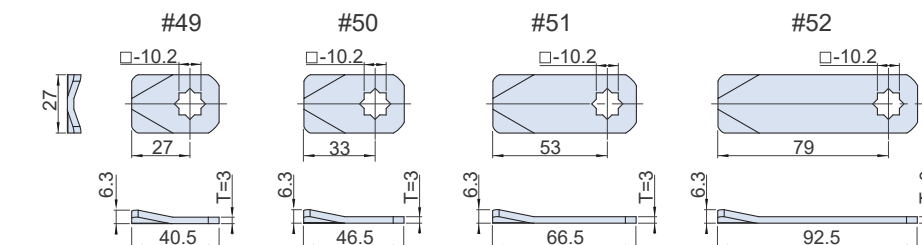
FEATURES

- Safety design. Push the button and the hand will rise with the lever to prevent accident.
- The shaft enables a 3mm axial movement for compression sealing.
- With heaven and earth bolt connecting rod, the door frame will not shake. The lock can be opened by key.
- Dust-resistant and waterproof (IP66).
- Max. door panel thickness: 5mm.

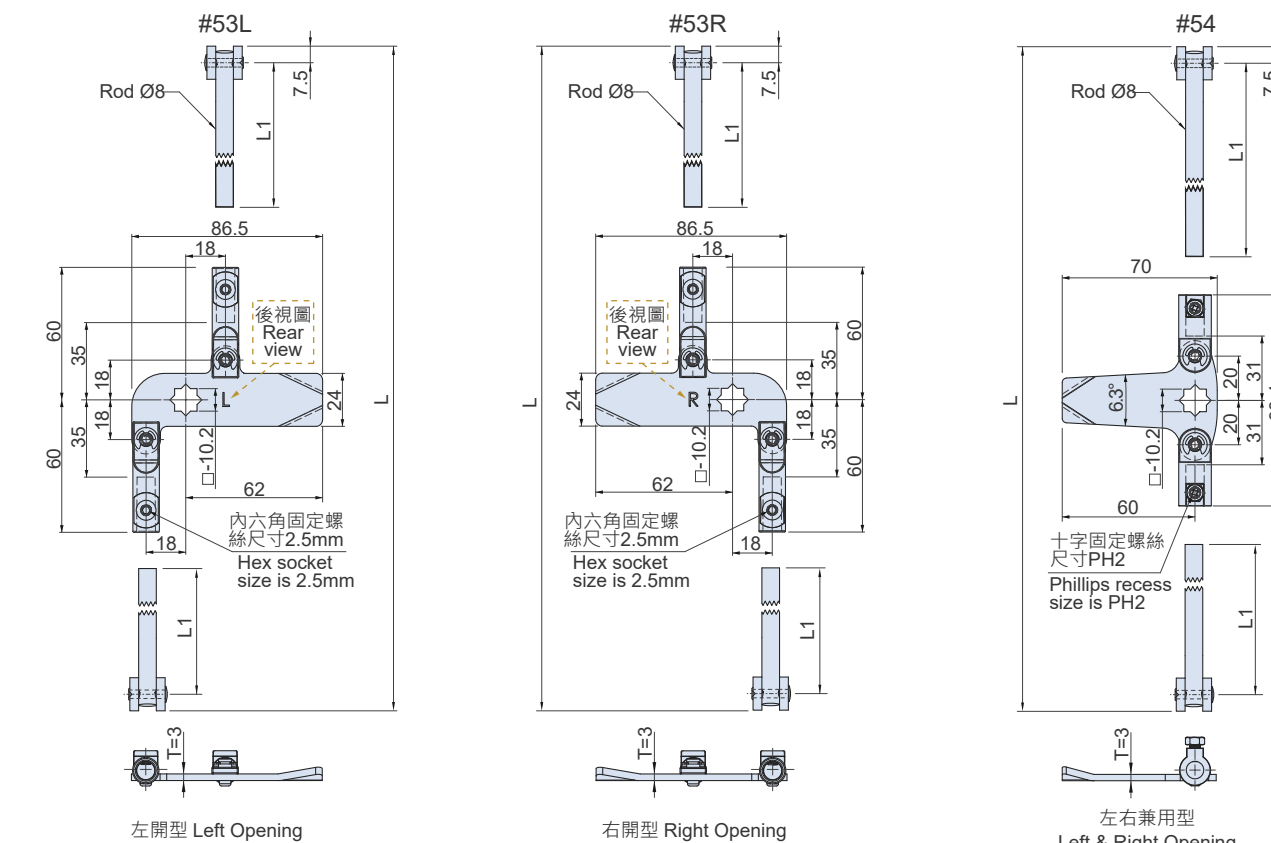
SPECIFICATION:				Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)	
BZ-0520B	鋅合金	電著黑 Black coated	332	
BZ-0520N	Zinc Alloy	毛絲鍍 Nickel polish		

備註：本產品不含檔片、天地栓連桿、連桿導座，請於右方配件區選配。另防水條可至第56頁選配，以達到最佳防水效果。

Remark: The latch is without pawl, rod latch system, and rod holder. Please refer to the right page. Additionally, waterproof sealing strip can be selected on page 56 to achieve the best waterproof effect.



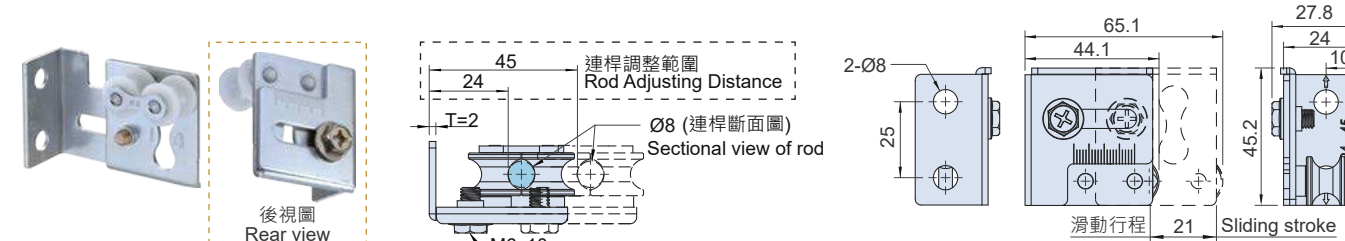
SPECIFICATION:				Unit:mm
檔片型號 Pawl Type	材質 Material	表面處理 Finish	重量 Weight (g)	
#49	鐵 SPHC	鍍鋅 Zinc plated	22.7	
#50			26.5	
#51			39.2	
#52			55.8	



SPECIFICATION:				Unit:mm		
產品編號 Item No.	材質 Material	表面處理 Finish	L	L1	重量 Weight (g)	
#53L600	鐵 SPHC	鍍鋅 Zinc plated	最長 (關) Longest	最短 (開) Shortest		
#53L1000			1285	1213	600	581
#53L1200			2085	2013	1000	901
#53R600	鐵 SPHC	鍍鋅 Zinc plated	最長 (關) Longest	最短 (開) Shortest		
#53R1000			2085	2013	1000	901
#53R1200			2485	2413	1200	1057

SPECIFICATION:				Unit:mm		
產品編號 Item No.	材質 Material	表面處理 Finish	L	L1	重量 Weight (g)	
#54600	鐵 SPHC	鍍鋅 Zinc plated	最長 (關) Longest	最短 (開) Shortest		
#541000			1277	1237	600	572
#541200			2077	2037	1000	892
#542000	鐵 SPHC	鍍鋅 Zinc plated	最長 (關) Longest	最短 (開) Shortest		
#542400			2477	2437	1200	1048

#5382 連桿導座 Rod Holder



特徵

- 可調整距離及鬆緊度。
- 連桿上下滑動不產塵。

FEATURES

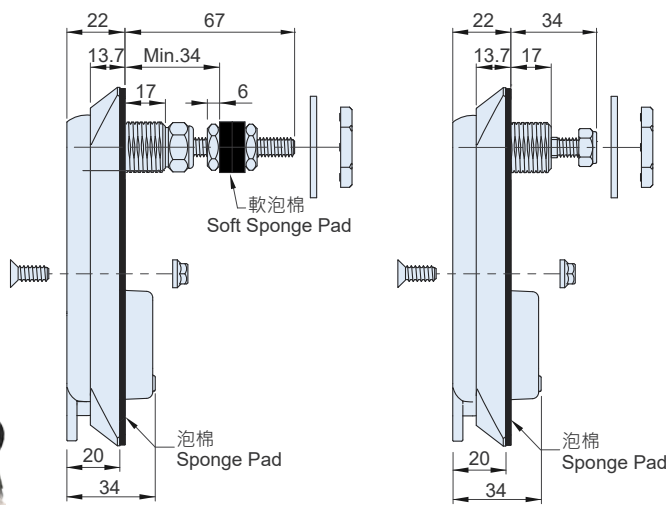
- For adjusting the tightness and length of the rod latch system.
- Non-dust from operating the rod latch system.

SPECIFICATION:			Unit:mm
產品編號 Item No.	材質 / 表面處理 Material / Finish	重量 Weight (g)	
#5382	本體Body : 鐵 Steel (PO)/鍍鋅 Zinc plated 滾輪Wheel : POM	78.3	

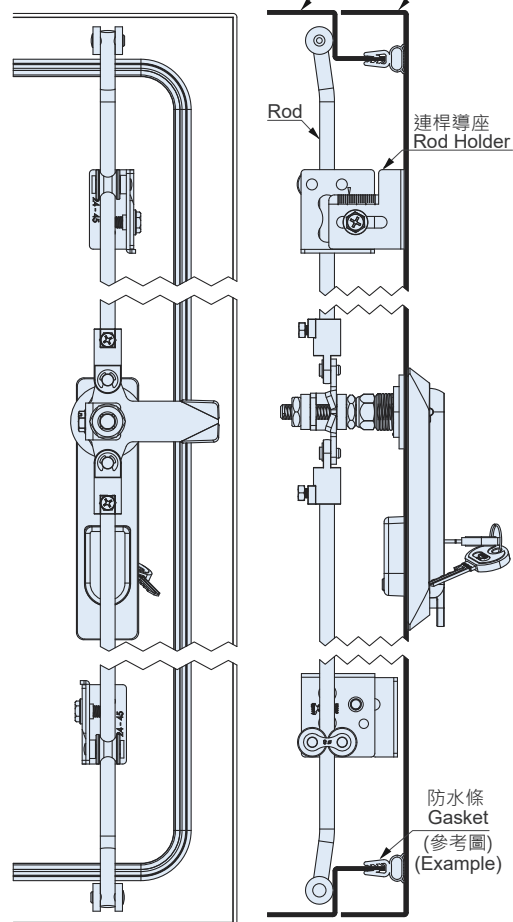
BZ-0410-W00 BZ-0430-W00
BZ-0410-BW0 BZ-0430-BW0
BZ-0410-B00 BZ-0430-B00



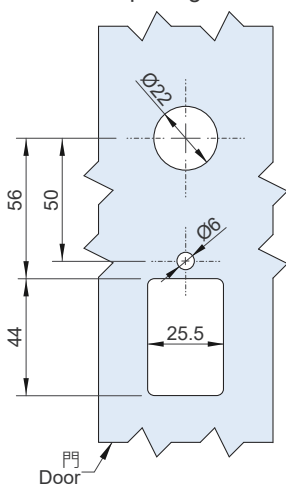
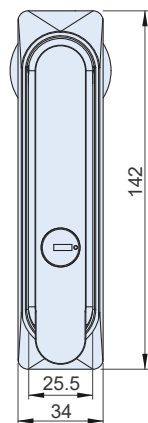
【長軸型 Long-Shaft Type】 【短軸型 Short-Shaft Type】



左開多點連桿裝置示意圖
Installation



安裝孔開孔尺寸
Opening Size



材質與表面處理

- 本體與掀把：鋅合金，電著黑、鍍鉻。
- 軸心：鐵，鍍鎳。

特徵

- 使用天地栓連桿讓門框不易搖動
- 適用板厚：5mm以內。
- 防塵、防水(IP66)。
- BZ-0410-BW0, BZ-0430-BW0 為訂製款，MOQ20

MATERIAL AND FINISH

- Body and Lever: Die-cast Zinc, Chrome plated or Black coated.
- Shaft: Steel, Nickel plated.

FEATURES

- With pawl attaching rod system, the door frame will not shake.
- Max. door panel thickness: 5mm.
- Dust-resistant and waterproof (IP66).
- BZ-0410-BW0, BZ-0430-B are custom models, MOQ20

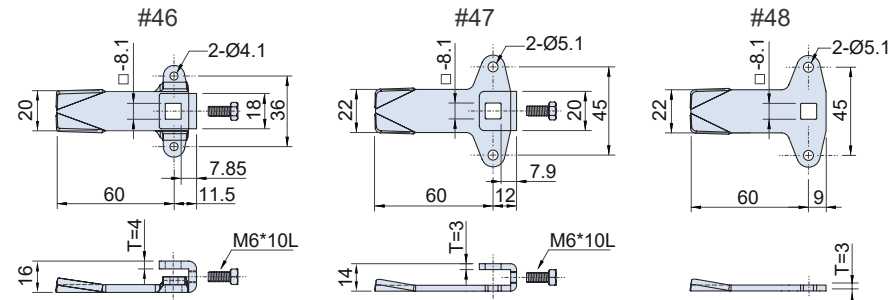
SPECIFICATION:

產品編號 Item No.			軸心型式 Shaft Type	重量 Weight (g)
鍍鉻 Chrome plated	本體黑色、掀把鍍鉻 Black Body, Chrome Lever	電著黑 Black coated		
BZ-0410-W00	BZ-0410-BW0	BZ-0410-B00	短軸型 Short Shaft	390
BZ-0430-W00	BZ-0430-BW0	BZ-0430-B00	長軸型 Long Shaft	426

備註：本產品不含檔片、天地栓連桿、連桿導座，請於右方配件區選配，另防水條可至第56頁選配，以達到最佳防水效果

Remark: The latch is without pawl, rod latch system, and rod holder. Please refer to the right page. Additionally, waterproof sealing strip can be selected on page 56 to achieve the best waterproof effect.

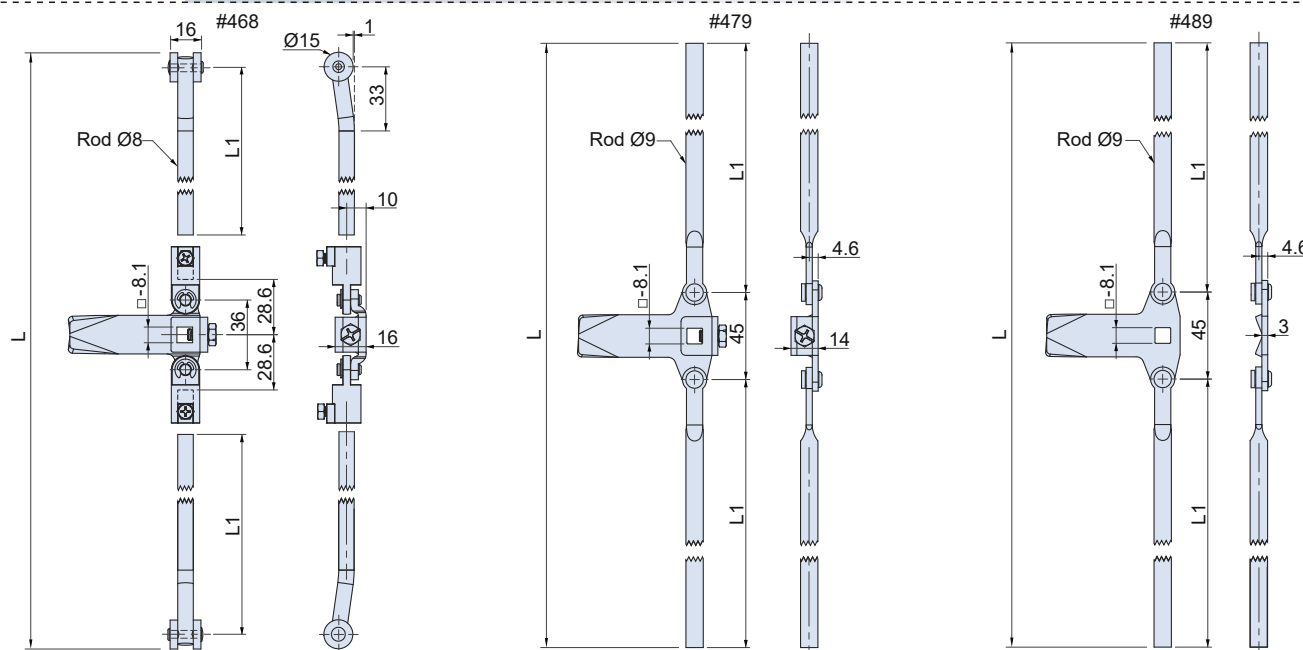
門鎖檔片 Applicable Pawl



SPECIFICATION:

檔片型號 Pawl Type	材質 Material	表面處理 Finish	適用 Apply to	重量 Weight (g)
#46	鐵 SPHC	鍍鋅 Zinc plated	長軸型 Long Shaft	62
#47			短軸型 Short Shaft	57.6
#48				43.6

門鎖檔片附天地栓連桿 Applicable Rod Latch System



SPECIFICATION:

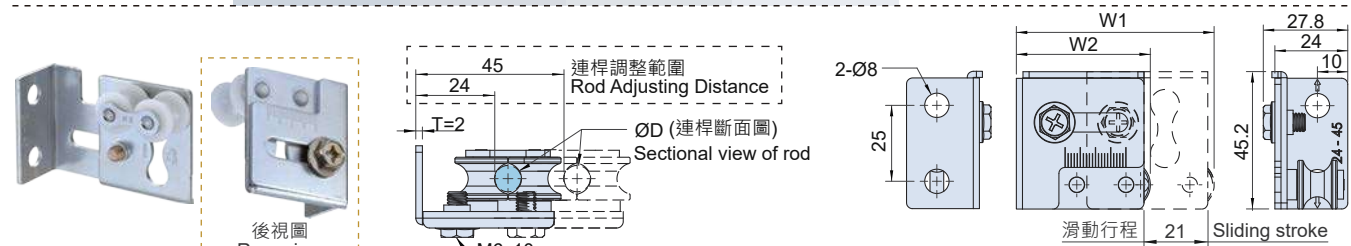
產品編號 Item No.	材質 Material	表面處理 Finish	L		L1	重量 Weight (g)	適用於長軸型門鎖 Apply to Long Shaft
			最長(關) Longest	最短(開) Shortest			
#4680600	鐵 SPHC	鍍鋅 Zinc plated	1272.2	1236.2	600	587	BZ-0430 BZ-0738 BZ-0423
#4681000			2072.2	2036.2	1000	907	
#4681200			2472.2	2436.2	1200	1063	
#4790620			1285	1240	620	654	
#4791020			2085	2040	1020	1074	
#4791220			2485	2440	1220	1284	

SPECIFICATION:

產品編號 Item No.	材質 Material	表面處理 Finish	L		L1	重量 Weight (g)
			最長(關) Longest	最短(開) Shortest		
#4890620	鐵 SPHC	鍍鋅 Zinc plated	1285	1240	620	640
#4891020			2085	2040	1020	1060
#4891220			2485	2440	1220	1270

適用於短軸型門鎖 BZ-0410
Apply to Short Shaft: BZ-0718

#538 Series 連桿導座 Rod Holder



特徵

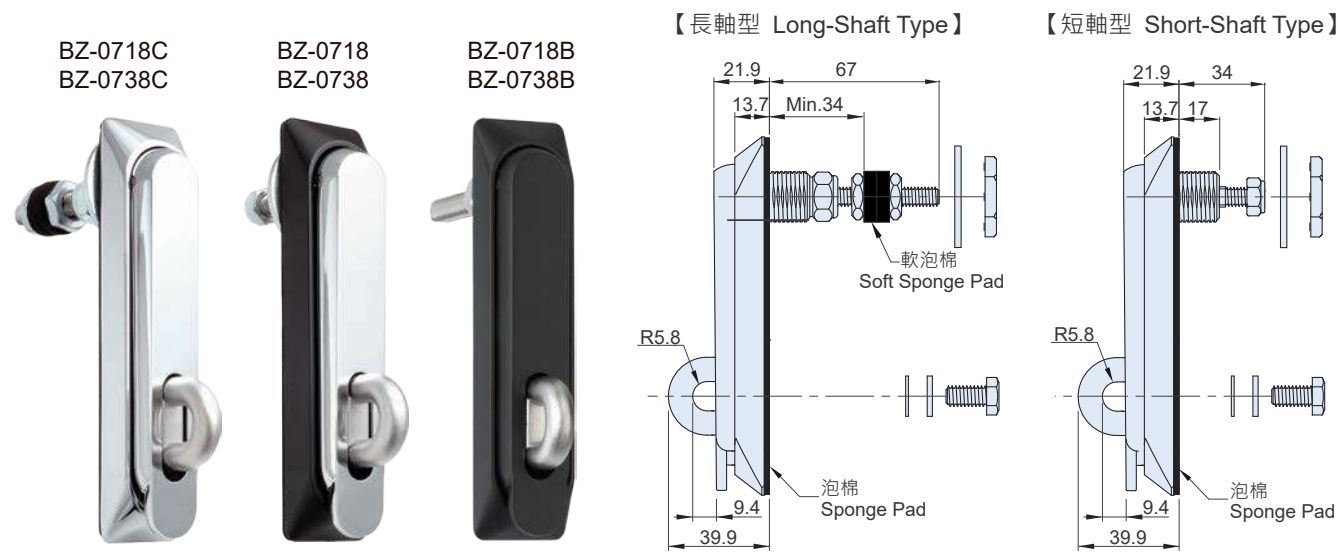
- 可調整距離及鬆緊度。
- 連桿上下滑動不產塵。

FEATURES

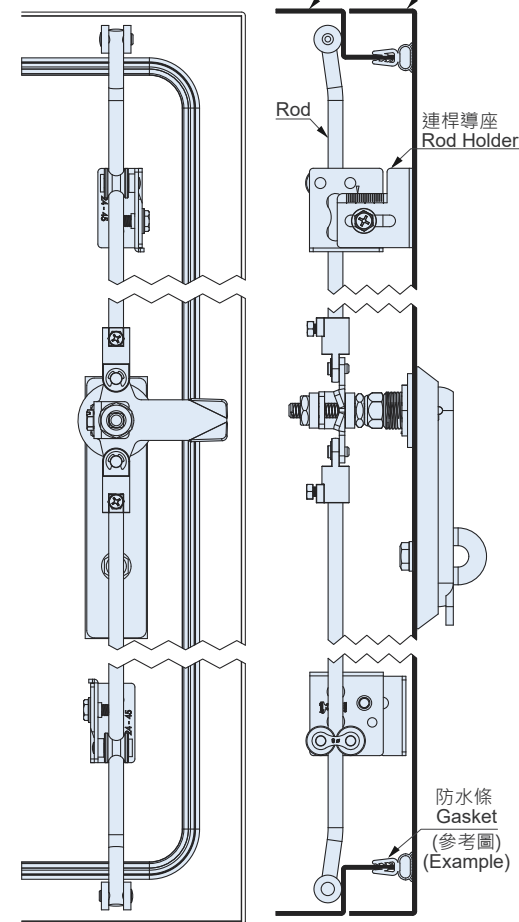
- For adjusting the tightness and length of the rod latch system.
- Non-dust from operating the rod latch system.

SPECIFICATION:

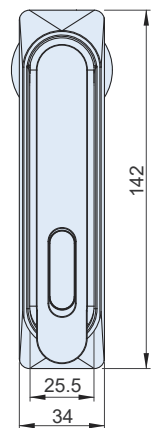
產品編號 Item No.	材質 / 表面處理 Material / Finish	W1	W2	D	適用於 Apply to	重量 Weight (g)
#5382	本體Body：鐵 Steel (PO)	65.1	44.1	Ø8	#468	78.3
#5383	滾輪Wheel：POM	66.1	45.1	Ø9	#479 #489	



左開多點連桿裝配示意圖 Installation



安裝孔開孔尺寸 Opening Size



材質與表面處理

- 本體與掀把：鋅合金，電著黑、鍍鉻。
- 軸心：鐵，鍍鎳。

特徵

- 使用天地栓連桿讓門框不易搖動
- 適用板厚：5mm以內。
- 防塵、防水(IP66)。
- BZ-0718, BZ-0738為訂製款，MOQ20

MATERIAL AND FINISH

- Body and Lever: Die-cast Zinc, Chrome plated or Black coated.
- Shaft: Steel, Nickel plated.

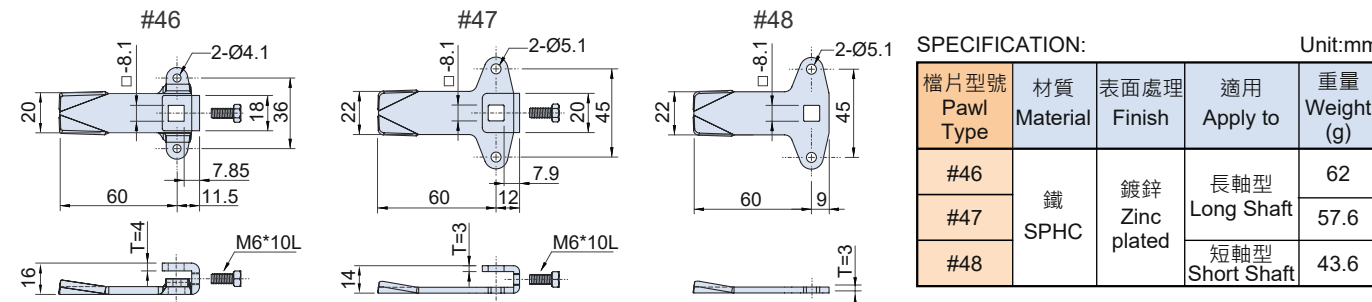
FEATURES

- With pawl attaching rod system, the door frame will not shake.
- Max. door panel thickness: 5mm.
- Dust-resistant and waterproof (IP66).
- BZ-0718, BZ-0738 are custom models, MOQ20

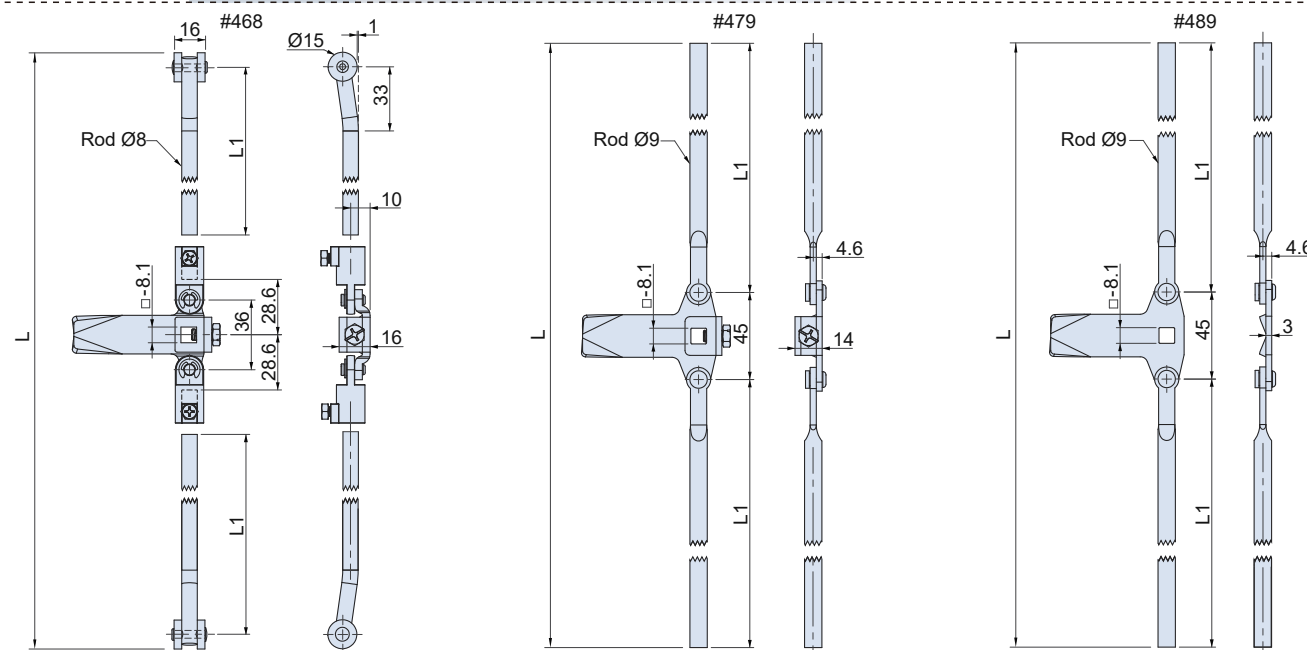
SPECIFICATION:			Unit:mm	
產品編號 Item No.	軸心型式 Shaft Type	重量 Weight (g)		
鍍鉻 Chrome plated	本體黑色、掀把鍍鉻 Black Body, Chrome Lever	電著黑 Black coated		
BZ-0718C	BZ-0718	BZ-0718B	短軸型 Short Shaft	440.2
BZ-0738C	BZ-0738	BZ-0738B	長軸型 Long Shaft	476

備註：本產品不含檔片、天地栓連桿、連桿導座，請於右方配件區選配，另防水條可至第56頁選配，以達到最佳防水效果

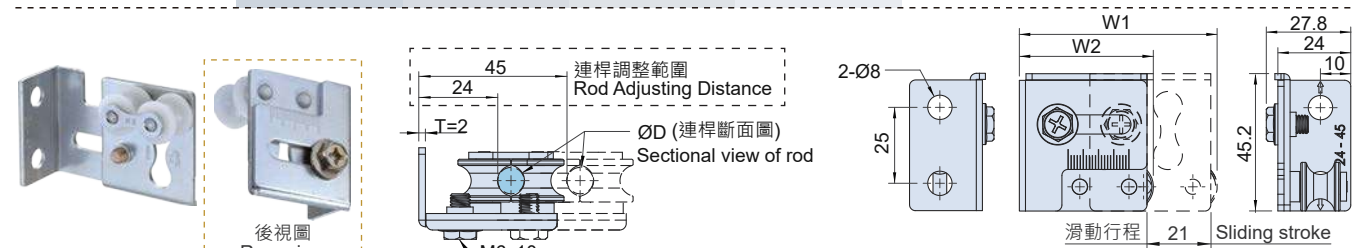
Remark :The latch is without pawl, rod latch system, and rod holder. Please refer to the right page. Additionally, waterproof sealing strip can be selected on page 56 to achieve the best waterproof effect.



SPECIFICATION:					Unit:mm
檔片型號 Pawl Type	材質 Material	表面處理 Finish	適用 Apply to	重量 Weight (g)	
#46	鐵 SPHC	鍍鋅 Zinc plated	長軸型 Long Shaft	62	
#47			短軸型 Short Shaft	57.6	
#48				43.6	



SPECIFICATION:							Unit:mm	SPECIFICATION:							Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	L		L1	重量 Weight (g)	適用於長軸型門鎖 Apply to Long Shaft	產品編號 Item No.	材質 Material	表面處理 Finish	L		L1	重量 Weight (g)	
			最長 (關) Longest	最短 (開) Shortest							最長 (關) Longest	最短 (開) Shortest			
#4680600	鐵 SPHC	鍍鋅 Zinc plated	1272.2	1236.2	600	587	BZ-0430 BZ-0738 BZ-0423	#4890620	鐵 SPHC	鍍鋅 Zinc plated	1285	1240	620	640	
#4681000			2072.2	2036.2	1000	907		#4891020			2085	2040	1020	1060	
#4681200			2472.2	2436.2	1200	1063		#4891220			2485	2440	1220	1270	
#4790620			1285	1240	620	654		適用於短軸型門鎖 BZ-0410 Apply to Short Shaft : BZ-0718							
#4791020			2085	2040	1020	1074									
#4791220			2485	2440	1220	1284									



特徵

- 可調整距離及鬆緊度。
- 連桿上下滑動不產塵。

FEATURES

- For adjusting the tightness and length of the rod latch system.
- Non-dust from operating the rod latch system.

SPECIFICATION:							Unit:mm
產品編號 Item No.	材質 / 表面處理 Material / Finish	W1	W2	D	適用於 Apply to	重量 Weight (g)	
#5382	本體Body : 鐵 Steel (PO)	65.1	44.1	Ø8	#468	78.3	
#5383	滾輪Wheel : POM	66.1	45.1	Ø9	#479 #489		

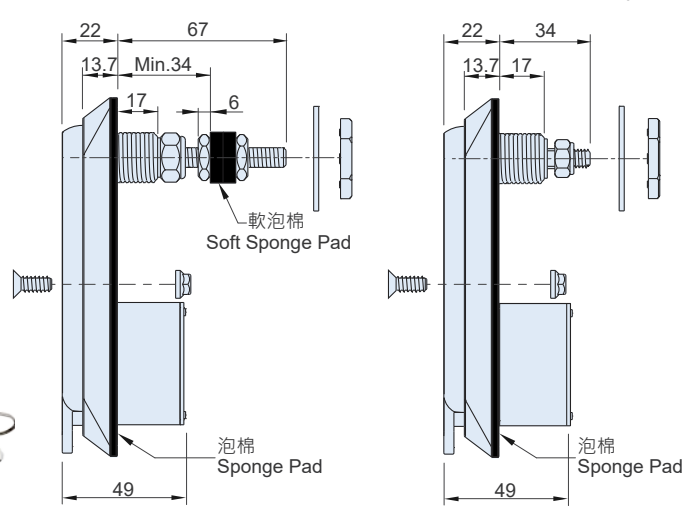
BZ-04217
BZ-04237

BZ-04218
BZ-04238

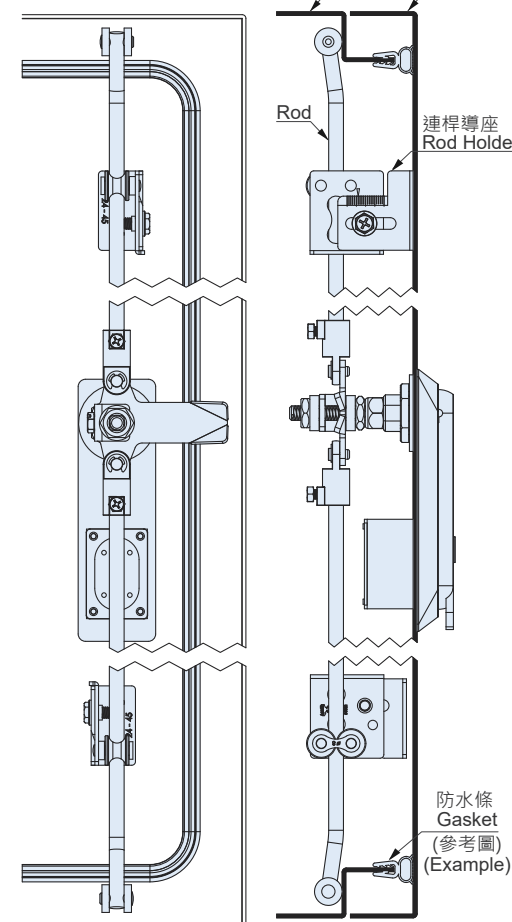
BZ-04219
BZ-04239



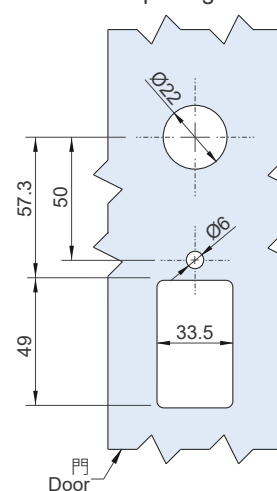
【長軸型 Long-Shaft Type】 【短軸型 Short-Shaft Type】



左開多點連桿裝配示意圖
Installation



安裝孔開孔尺寸
Opening Size



材質與表面處理

- 本體與掀把：鋅合金，電著黑、鍍鉻。
- 軸心：鐵，鍍鎳。

特徵

- 使用天地栓連桿讓門框不易搖動
- 適用板厚：5mm以內。
- 防塵、防水(IP65)。
- BZ-04218, BZ-04238為訂製款，MOQ20

MATERIAL AND FINISH

- Body and Lever: Die-cast Zinc, Chrome plated or Black coated.
- Shaft: Steel, Nickel plated.
- Applicable Key: Bronze, chrome plated.

FEATURES

- With pawl attaching rod system, the door frame will not shake.
- Max. door panel thickness: 5mm.
- Dust-resistant and waterproof (IP65).
- BZ-04218, BZ-04238 are custom models, MOQ20

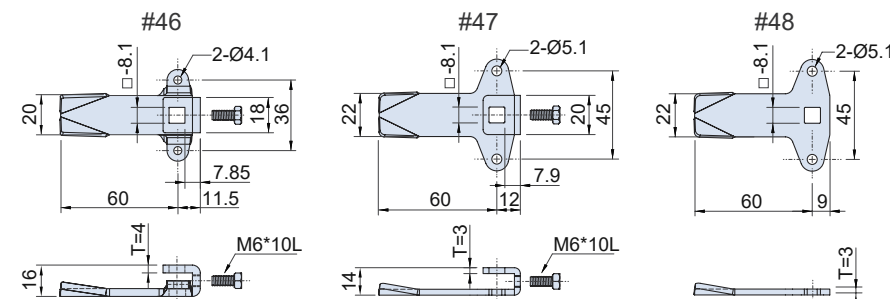
SPECIFICATION:

產品編號 Item No.			軸心型式 Shaft Type	重量 Weight (g)
鍍鉻 Chrome plated	本體黑色、掀把鍍鉻 Black Body, Chrome Lever	電著黑 Black coated		
BZ-04217	BZ-04218	BZ-04219	短軸型 Short Shaft	559
BZ-04237	BZ-04238	BZ-04239	長軸型 Long Shaft	595

備註：本產品不含檔片、天地栓連桿、連桿導座，請於右方配件區選配，另防水條可至第56頁選配，以達到最佳防水效果

Remark: The latch is without pawl, rod latch system, and rod holder. Please refer to the right page. Additionally, waterproof sealing strip can be selected on page 56 to achieve the best waterproof effect.

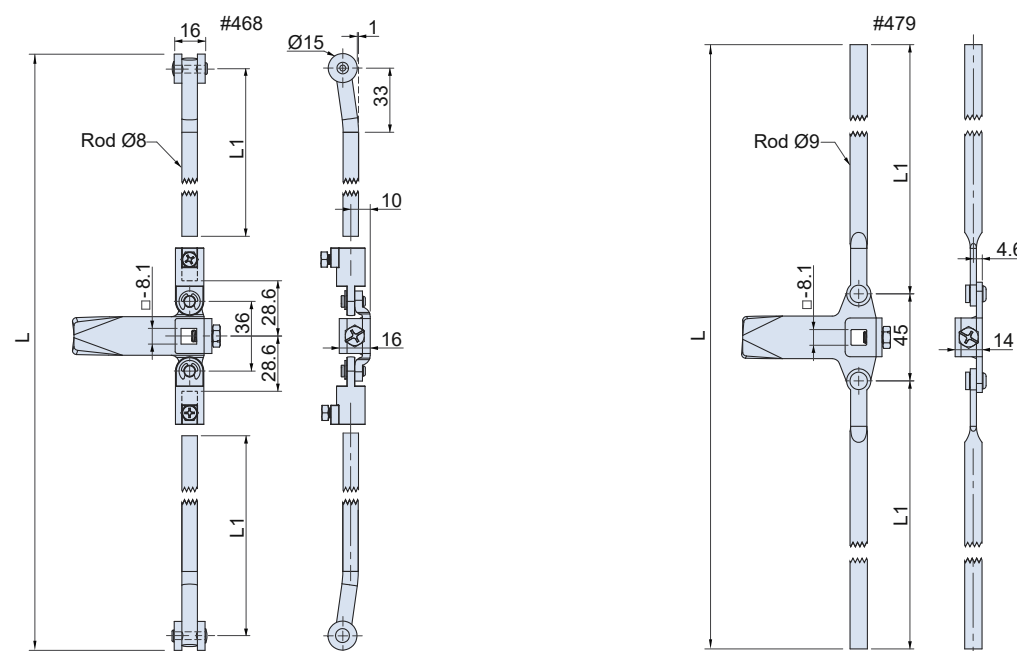
門鎖檔片 Applicable Pawl



SPECIFICATION:

檔片型號 Pawl Type	材質 Material	表面處理 Finish	適用 Apply to	Unit:mm 重量 Weight (g)
#46	鐵 SPHC	鍍鋅 Zinc plated	長軸型 Long Shaft	62
#47			短軸型 Short Shaft	57.6
#48				43.6

門鎖檔片附天地栓連桿 Applicable Rod Latch System



SPECIFICATION:

產品編號 Item No.	材質 Material	表面處理 Finish	L		L1	重量 Weight (g)
			最長(關) Longest	最短(開) Shortest		
#4680600	鐵 SPHC	鍍鋅 Zinc plated	1272.2	1236.2	600	587
#4681000			2072.2	2036.2	1000	907
#4681200			2472.2	2436.2	1200	1063

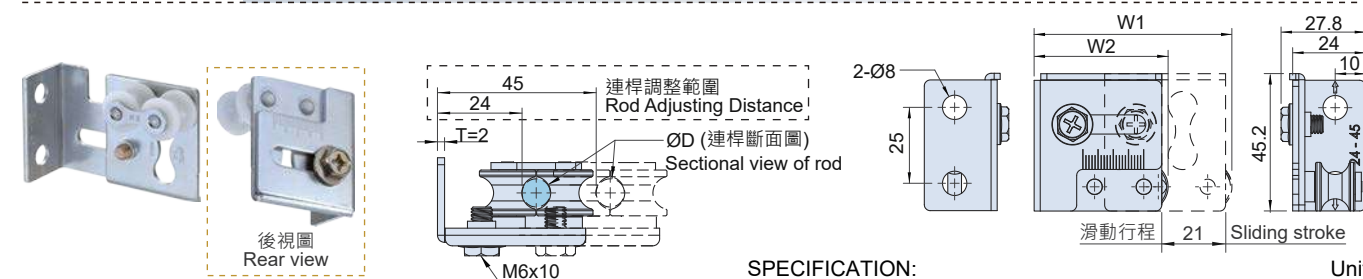
適用於長軸型門鎖 : BZ-0430
Apply to Short Shaft BZ-0738
BZ-0423

SPECIFICATION:

產品編號 Item No.	材質 Material	表面處理 Finish	L		L1	重量 Weight (g)
			最長(關) Longest	最短(開) Shortest		
#4790620	鐵 SPHC	鍍鋅 Zinc plated	1285	1240	620	654
#4791020			2085	2040	1020	1074
#4791220			2485	2440	1220	1284

適用於長軸型門鎖 : BZ-0430
Apply to Short Shaft BZ-0738
BZ-0423

#538 Series 連桿導座 Rod Holder



特徵

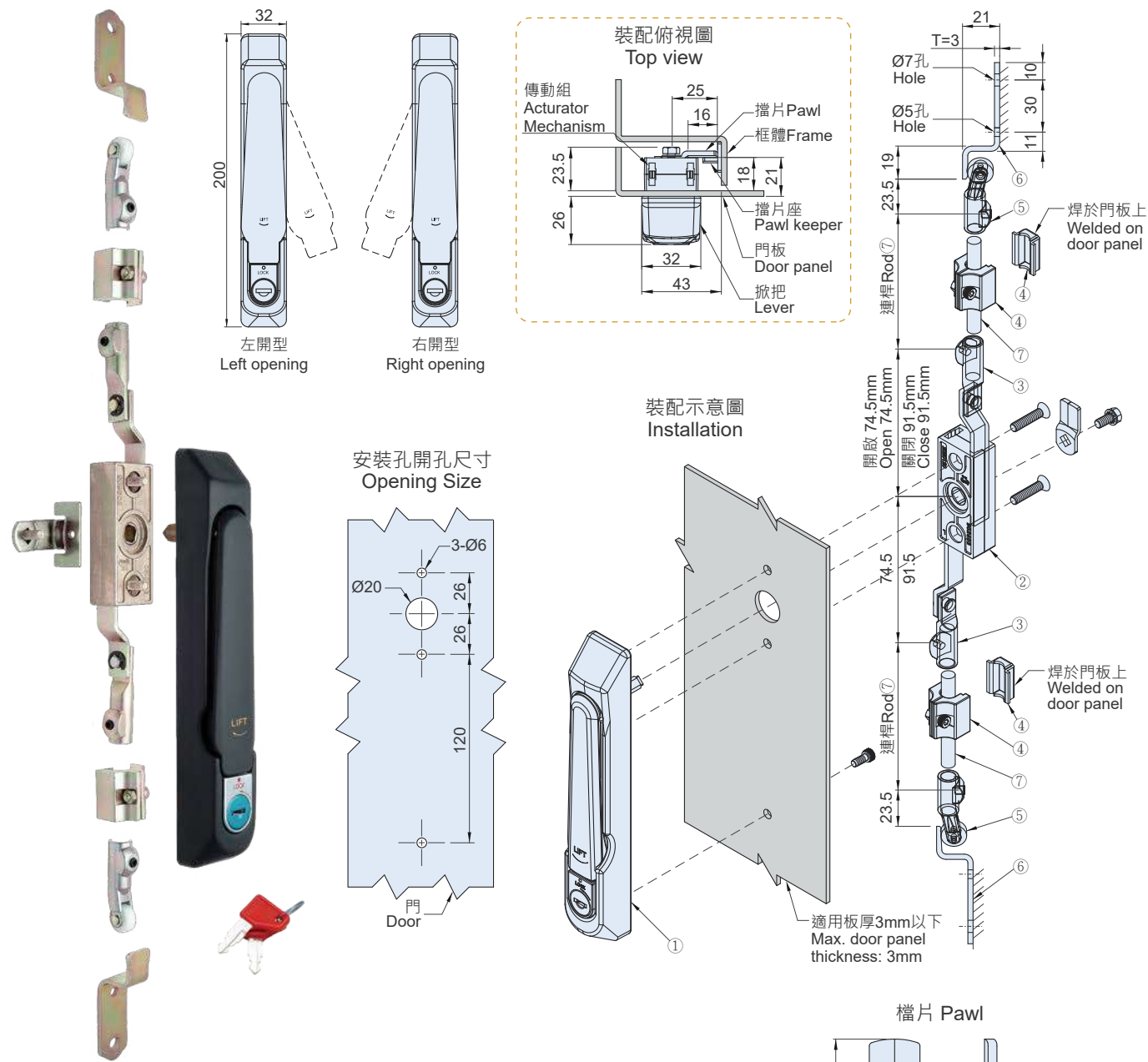
- 可調整距離及鬆緊度。
- 連桿上下滑動不產塵。

FEATURES

- For adjusting the tightness and length of the rod latch system.
- Non-dust from operating the rod latch system.

SPECIFICATION:

產品編號 Item No.	材質 / 表面處理 Material / Finish	W1	W2	D	適用於 Apply to	Unit:mm 重量 Weight (g)
#5382	本體Body : 鐵 Steel (PO) 鍍鋅 Zinc plated	65.1	44.1	Ø8	#468	78.3
#5383	滾輪Wheel : POM	66.1	45.1	Ø9	#479 #489	



材質與表面處理

- 項目① 本體含擋片：本體：尼龍(PA6+GF)。擋片：SPCC，鍍鋅。
- 項目② 齒輪盒：鋅合金，鍍鋅耐蝕五彩。
- 項目③ 齒片接頭：鋅合金，鍍鋅耐蝕五彩。
- 項目④ 導套及座：導套：鋅合金，鍍鋅耐蝕五彩。座：SPCC，鍍鋅。
- 項目⑤ 連桿接頭：鋅合金，鍍鋅耐蝕五彩。
- 項目⑥ 輪檔：鐵(SPHC)，鍍鋅。
- 項目⑦ 連桿Ø8：1008鐵製，鍍鋅。

MATERIAL AND FINISH

- Part ① : Body : Nylon(PA6+GF), Black. Pawl : SPCC, Zinc plated.
- Part ②③④⑤ : Zinc alloy, Zinc plated plus chromic-acid passivated.
- Part ⑥ : Hot-rolled Steel (SPHC), Zinc plated.
- Part ⑦ : Steel (1008), Zinc plated.

TYPES

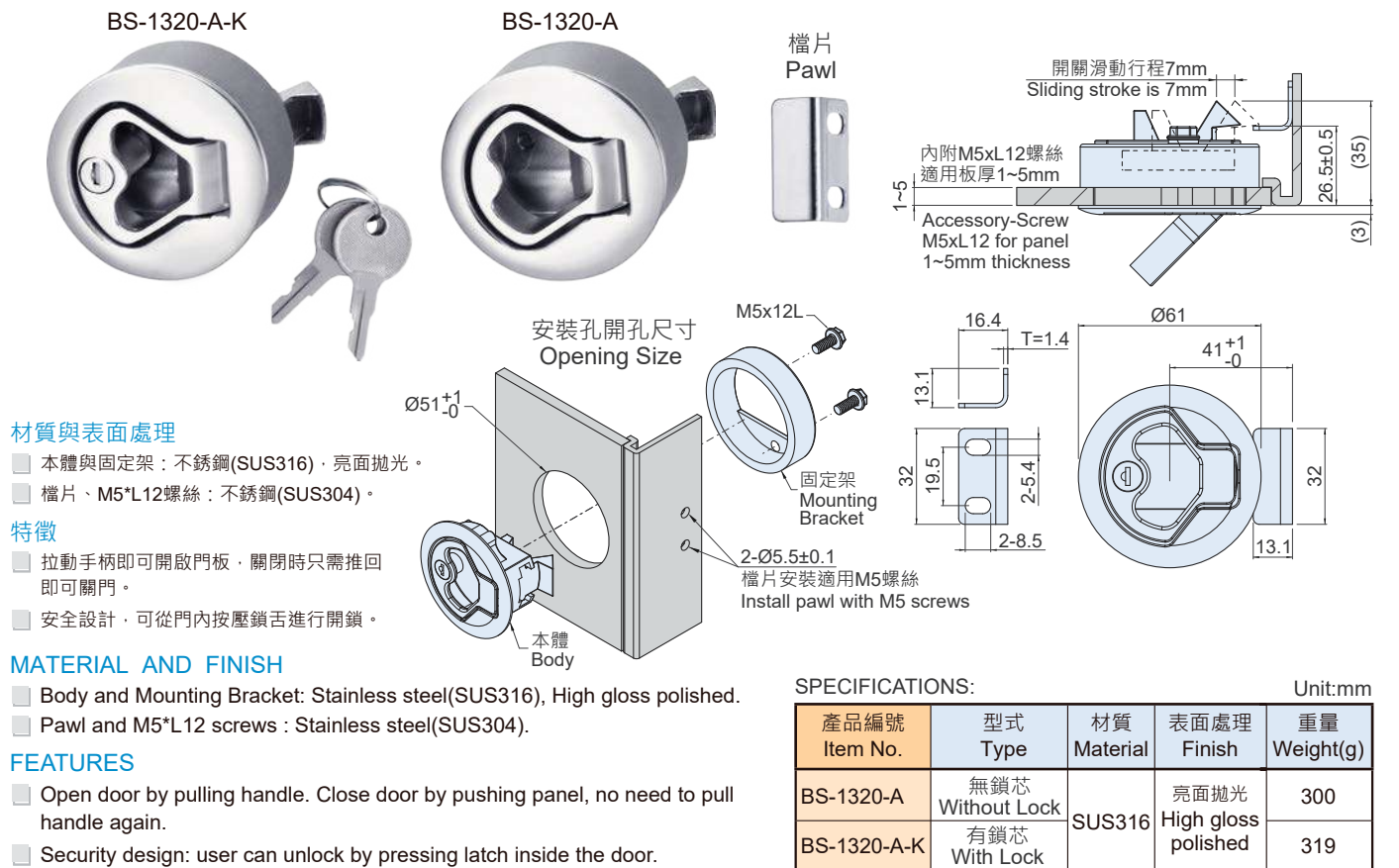
- Left or Right opening.
- Only the cog box is marked "R" or "L".
- Dust-resistant and waterproof (IP66).

特徵

- 左開或右開。
- 齒輪盒上有標記 "R" 或 "L"。
- 防塵、防水(IP66)。

SPECIFICATION:

產品編號 Item No.	型式 Type	配備說明 Contents	連桿 Rod ⑦	重量 Weight(g)
B-021941-1L	左開型 Left opening	①+key	508	300
B-021941L (508)		①+②+③+④+⑤+⑥+⑦+key		1145.2
B-021941L (703)		①+②+③+④+⑤+⑥+⑦+key		1302
B-021941L (858)		①+②+③+④+⑤+⑥+⑦+key		1424.8
B-021941-1R	右開型 Right opening	①+key	508	300
B-021941R (508)		①+②+③+④+⑤+⑥+⑦+key		1145.2
B-021941R (703)		①+②+③+④+⑤+⑥+⑦+key		1302
B-021941R (858)		①+②+③+④+⑤+⑥+⑦+key		1424.8



材質與表面處理

- 本體與固定架：不銹鋼(SUS316)，亮面拋光。
- 擋片、M5*L12螺絲：不銹鋼(SUS304)。

特徵

- 拉動手柄即可開啟門板，關閉時只需推回即可關門。
- 安全設計，可從門內按壓鎖舌進行開鎖。

MATERIAL AND FINISH

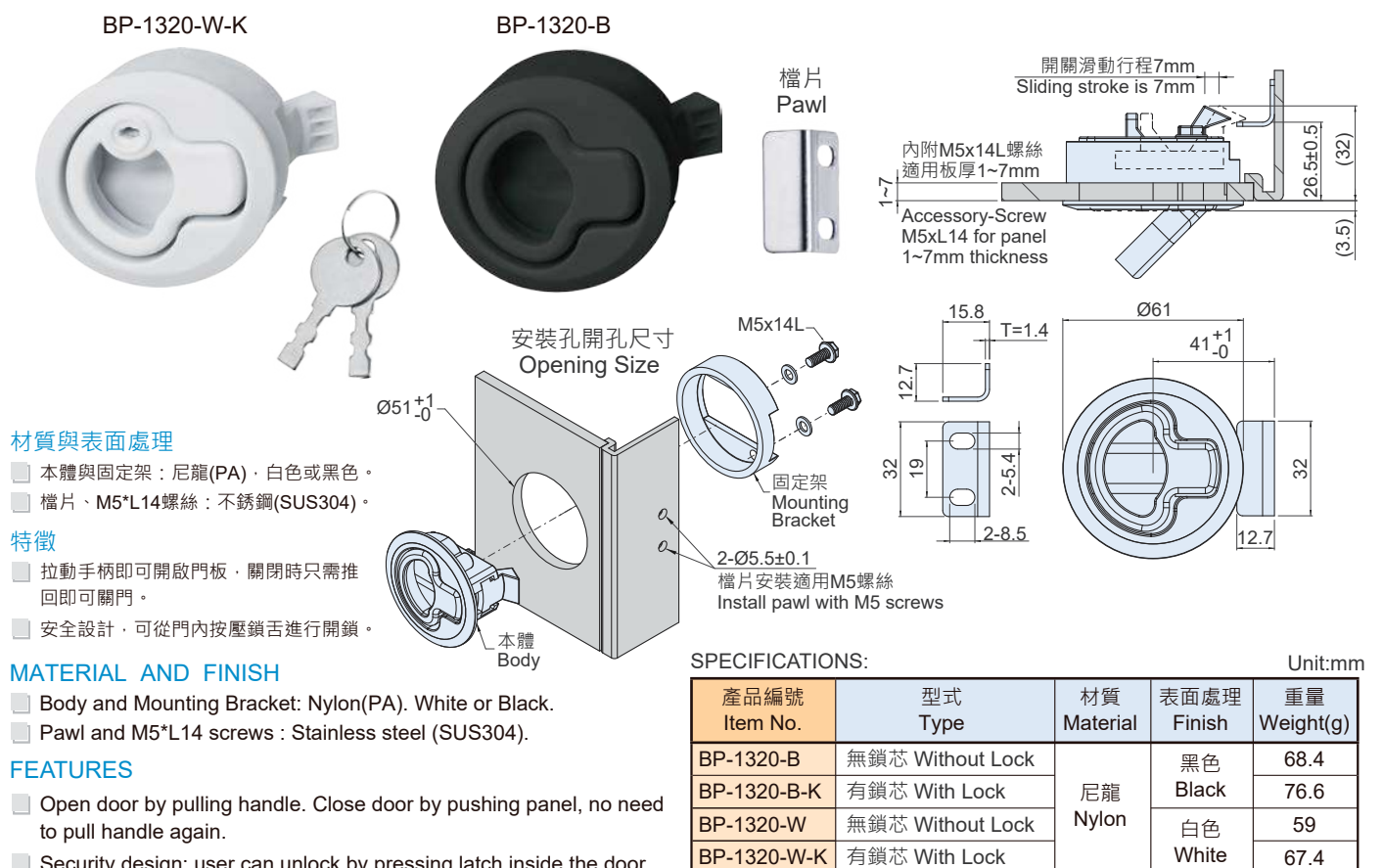
- Body and Mounting Bracket: Stainless steel(SUS316), High gloss polished.
- Pawl and M5*L12 screws : Stainless steel(SUS304).

FEATURES

- Open door by pulling handle. Close door by pushing panel, no need to pull handle again.
- Security design: user can unlock by pressing latch inside the door.

SPECIFICATIONS:

產品編號 Item No.	型式 Type	材質 Material	表面處理 Finish	重量 Weight(g)
BS-1320-A	無鎖芯 Without Lock	SUS316	亮面拋光 High gloss polished	300
BS-1320-A-K	有鎖芯 With Lock			319



材質與表面處理

- 本體與固定架：尼龍(PA)，白色或黑色。
- 擋片、M5*L14螺絲：不銹鋼(SUS304)。

特徵

- 拉動手柄即可開啟門板，關閉時只需推回即可關門。
- 安全設計，可從門內按壓鎖舌進行開鎖。

MATERIAL AND FINISH

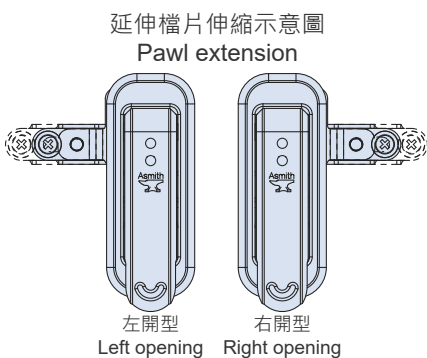
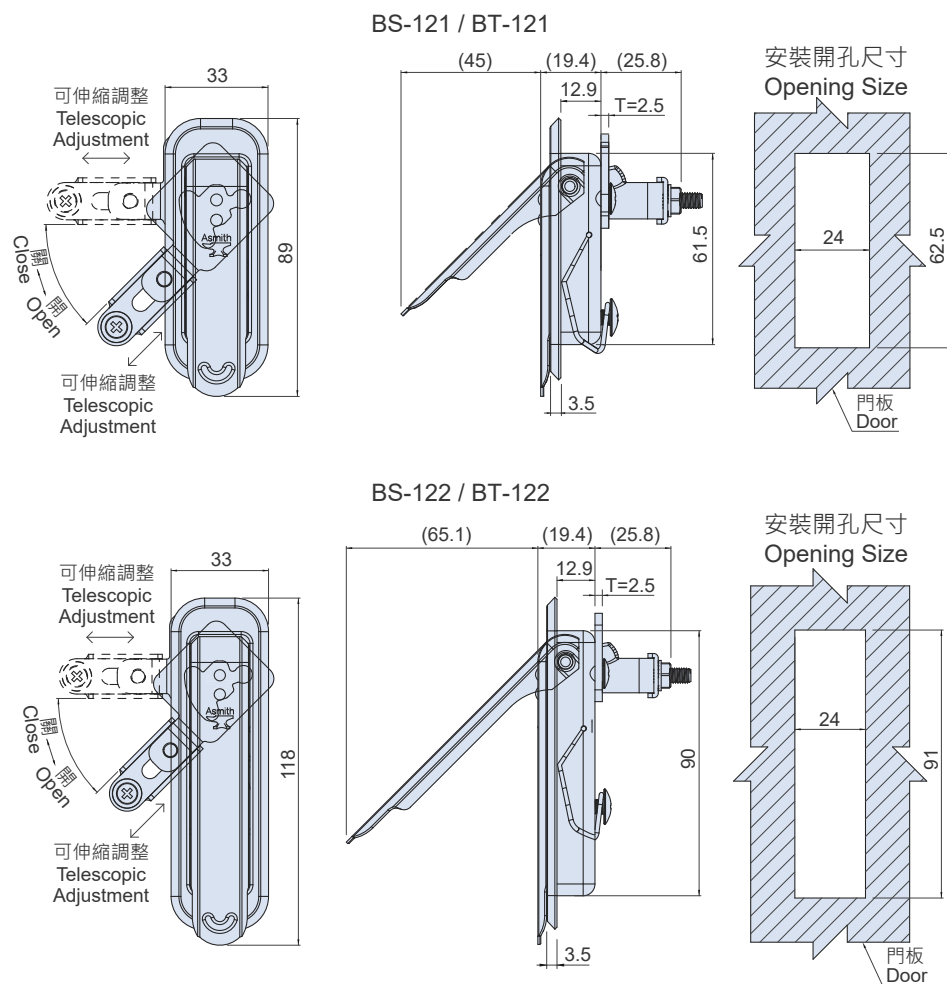
- Body and Mounting Bracket: Nylon(PA). White or Black.
- Pawl and M5*L14 screws : Stainless steel (SUS304).

FEATURES

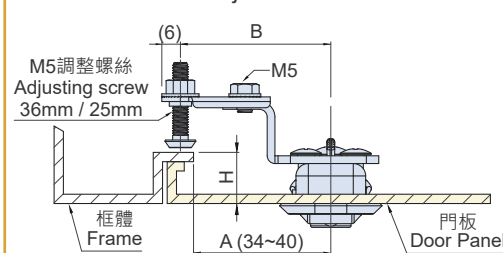
- Open door by pulling handle. Close door by pushing panel, no need to pull handle again.
- Security design: user can unlock by pressing latch inside the door.

SPECIFICATIONS:

產品編號 Item No.	型式 Type	材質 Material	表面處理 Finish	重量 Weight(g)
BP-1320-B	無鎖芯 Without Lock	尼龍 Nylon	黑色 Black	68.4
BP-1320-B-K	有鎖芯 With Lock		白色 White	76.6
BP-1320-W	無鎖芯 Without Lock		白色 White	59
BP-1320-W-K	有鎖芯 With Lock		白色 White	67.4



Latch Pawl Adjustment Procedure



- 確認A的距離後(在34~40mm區間)·即可透過右表對照表調整B的距離。
Confirm A (must be 34~40 mm), then adjust B according to the chart.
- 確認H的距離後·透過右表選擇適合的調整螺絲長度。
Confirm H, then select the screw length from the right chart.

開孔中線離框邊距離對照表 Range list : hole center to frame edge	
A (門框距離) Frame Distance	B (檔片伸縮距離) Pawl Pull-up Distance
34	39
35	40
36	41.5
37	43
38	44.5
39	46
40	48

H	適用螺絲(內附各一) Applicable Screws
1 ↔ 13	36mm 調整螺絲 Adjusting screw(Included)
13 ↔ 27	25mm調整螺絲 Adjusting screw(Included)

SPECIFICATION:

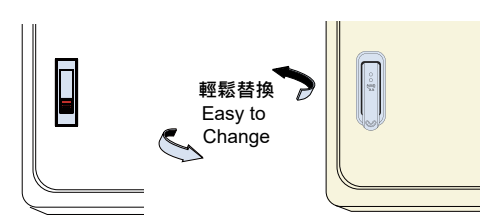
產品編號 Item No.		材質 Material	表面處理 Finish	重量 Weight(g)
左開型 Left Opening	右開型 Right Opening			
BS-121-L	BS-121-R	SUS304	震動亮面 Vibration ground	110
BT-121B-L	BT-121B-R	SPCC	黑色 Black	111
BT-121S-L	BT-121S-R	SPCC	銀白色 Silvery White	
BS-122-L	BS-122-R	SUS304	震動亮面 Vibration ground	130
BT-122B-L	BT-122B-R	SPCC	黑色 Black	132
BT-122S-L	BT-122S-R	SPCC	銀白色 Silvery White	

特徵

- 專利設計：調整檔片可以進行調整並適用於不同箱門板厚。
- 與市面變電箱尺寸相同·可輕鬆進行更換。
- BS-12：採不鏽鋼(SUS304)材質·可減少生鏽或斷裂狀況發生。
- BT-12：冷軋鋼(SPCC)材質·雙層表面處理：鍍鋅+烤漆·鹽霧測試達72小時·耐候性佳。

FEATURES

- The pawl allows for adjustable and is suitable for different box thicknesses.
- Same size as standard electric box, allowing easy replacement.
- BS-12: SUS304, to reduce rust or breakage issues.
- BT-12: SPCC double-layer surface treatment: zinc plated + baked paint, Special finish stands climate salt is at 72 hours.



- ★替換方便：同規格安裝孔·無須額外鑽孔
- ★使用廣泛：檔片可用簡易工具調位置
- ★ Easy to Change: Same installation holes, no drilling required
- ★ Widely Used: Simple tool for adjusting the position of the pawl



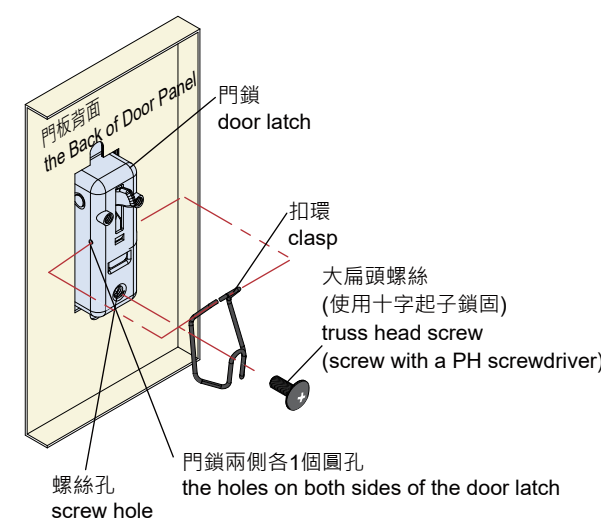
門鎖安裝

- 將扣環兩端拉開後插入門鎖兩側的圓孔
 - 將大扁頭螺絲壓住扣環凹槽並使用十字起子鎖緊至螺絲孔
(螺絲鎖緊深度依照門板厚度適當調整·內附大扁頭螺絲適用板厚5mm以內·自備較長螺絲可增加適用板厚距離·)
- 建議門板厚度≤5mm·極限至8mm

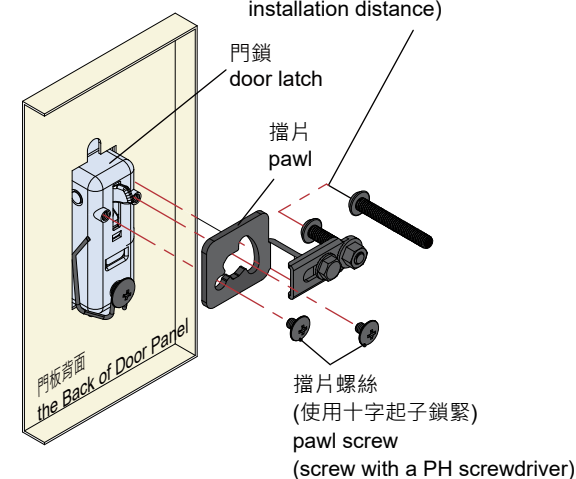
Door Latch Installation

- step1.
Pull the clasp apart and insert it into the holes on both sides of the door latch.
- step2.
Press truss head screw onto the slot of the clasp and use a PH-screwdriver to screw it into the screw hole.

(Adjust the screw depth according to the thickness of door panel.
The included truss head screw are suitable for panels up to 5mm thick;
use longer screws to accommodate more panel thicknesses.)
Recommended door panel thickness ≤5mm, max thickness 8mm.



調整螺絲-長*1,短*1
(依照安裝距離挑選螺絲)
Adjusting screw: 1 long, 1 short
(choose screw according to installation distance)



檔片安裝

- 依照安裝距離挑選調整螺絲(內附長短各1)
- 將檔片安裝於門鎖背後
- 使用十字起子鎖緊檔片螺絲

Pawl Installation

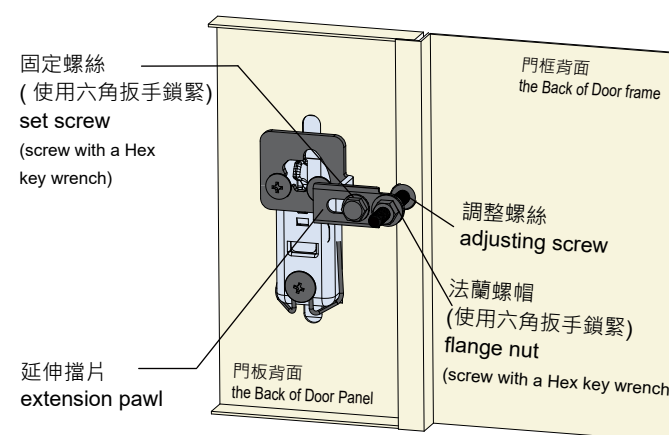
- step1.
Choose appropriate adjusting screw according to installation distance
(accessory: one long screw and one short screw)
- step2.
Mount pawl behind door latch
- step3.
Tighten pawl screw with a PH screwdriver

檔片調整

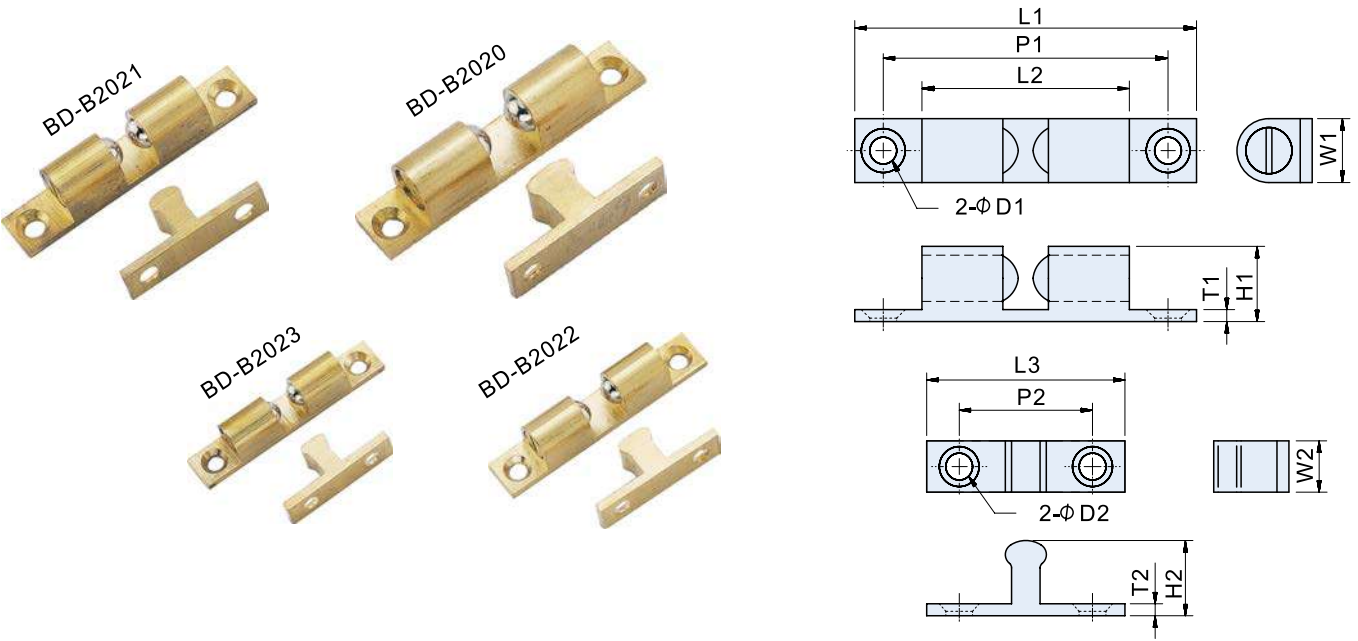
- 門鎖安裝後
- 可左右滑動延伸檔片位置
 - 前後轉動調整螺絲位置
 - 確認後使用8mm六角扳手·將固定螺絲及法蘭螺帽鎖緊

Pawl Adjustment

- After installing door latch
- step1.
user moves extension pawl left or right
- step2.
and moves adjustable screw backward or forward
- step3.
Firmly tighten set screw and flange nut with an 8mm hex key wrench



BD-B202 Series 拉壓門鎖 Push-to-Close Latch (Tension Catch)



SPECIFICATIONS:

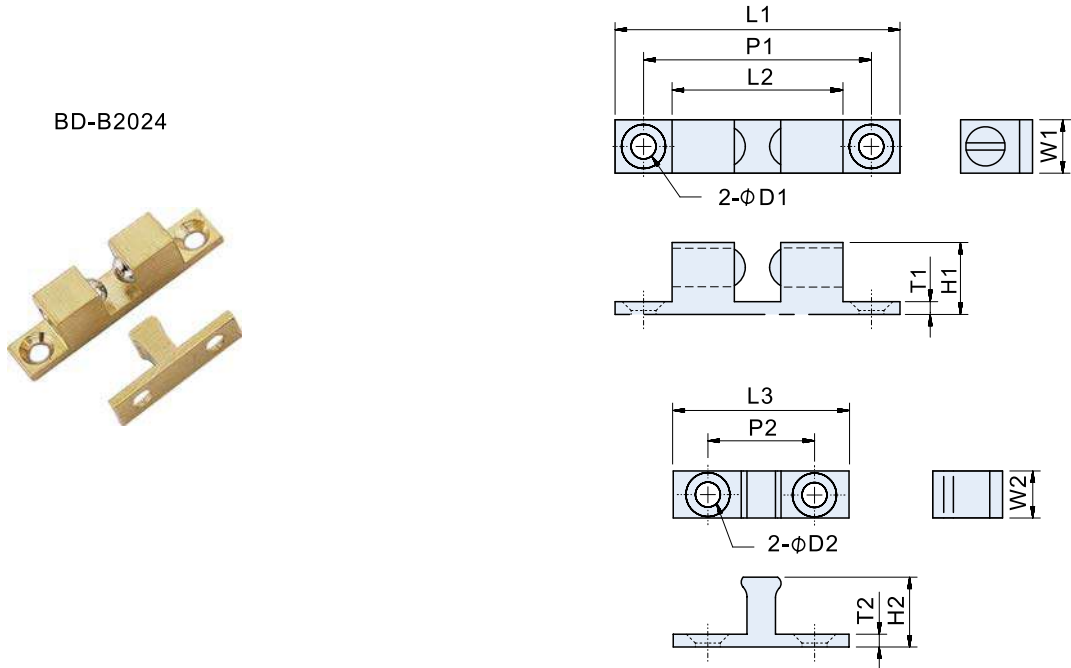
產品編號 Item No.	材 質 Material	表面處理 Finish	尺 寸 Dimensions														夾緊力 Vised Capacity		重量 Weight (g)
			L1	L2	L3	W1	W2	H1	H2	T1	T2	P1	P2	D1	D2	拉離 Pull out	壓力 Pull in		
BD-B2020	青 銅 Bronze	銅本色 Natural	68.4	46.8	40.2	13	12	15	15.7	2.4	2.2	58	30	4.8	4.8	4 kgf	8 kgf	67.8	
BD-B2021			59.8	36	34.5	11.2	9.2	13.2	13.5	2.4	2.2	49.8	24	4.8	4.8	2 kgf	4 kgf	39.6	
BD-B2022			49	30.6	28.8	8.8	7.6	10.6	11.2	2	2	39.8	19.8	3.8	3.8	1.8 kgf	3.6 kgf	22.6	
BD-B2023			44	26.8	24.7	8	6.6	9.4	9.8	2	1.7	35	15.2	3.5	3.5	1 kgf	2 kgf	15.8	

Unit:mm

BD-B2024 拉壓門鎖 Push-to-Close Latch (Tension Catch)



BD-B2024

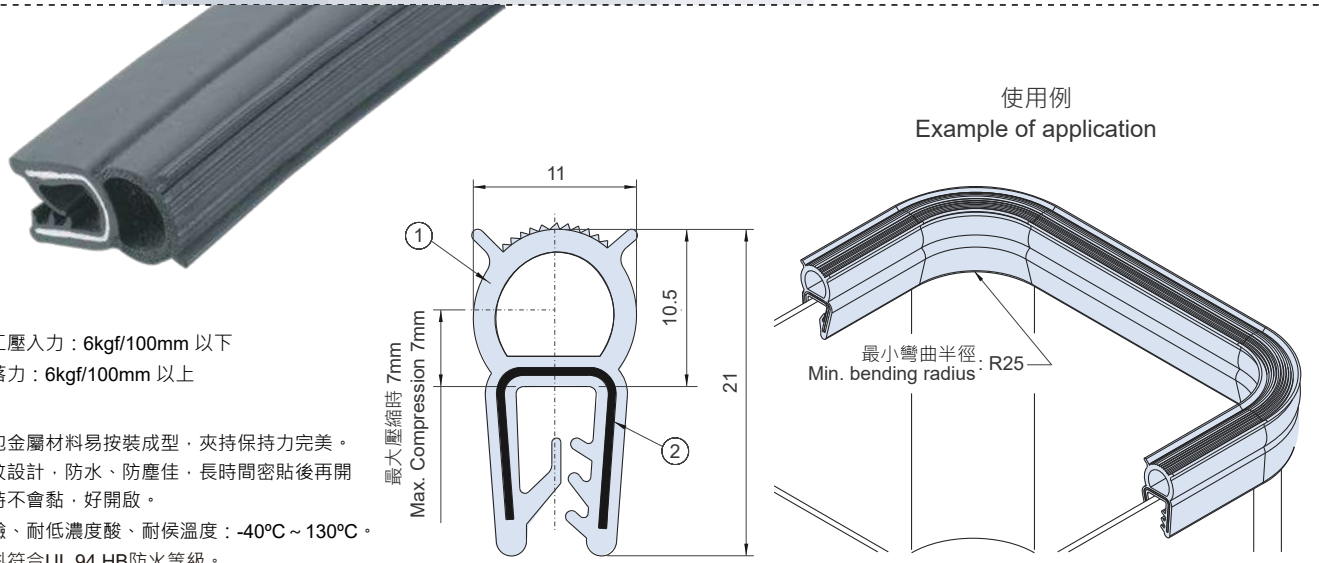


SPECIFICATIONS:

Unit:mm

產品編號 Item No.	材 質 Material	表面處理 Finish	尺 寸 Dimensions														夾緊力 Vised Capacity		重量 Weight (g)
			L1	L2	L3	W1	W2	H1	H2	T1	T2	P1	P2	D1	D2	拉離 Pull out	壓力 Pull in		
BD-B2024	青銅 Bronze	銅本色 Natural	39.3	24.4	24.3	7.6	6.6	10	10	2	1.7	31.5	15.2	3.5	3.5	0.8 kgf	1.6 kgf	15.6	

B-2090201 正壓防水條 Positive Pressure Waterproof Sealing Strip



- 規格
- 施工壓入力：6kgf/100mm 以下
 - 脫落力：6kgf/100mm 以上
- 特徵
- 內包金屬材料易按裝成型，夾持保持力完美。
 - 齒紋設計，防水、防塵佳，長時間密封後再開門時不會黏，好開啟。
 - 耐鹼、耐低濃度酸、耐侯溫度：-40°C ~ 130°C。
 - 材料符合UL 94 HB防火等級。
 - 最小彎曲半徑：R25。

SPECIFICATIONS:

- Insert capacity: Under 6kgf/100mm.
- Sustaining capacity: Above 6kgf/100mm.

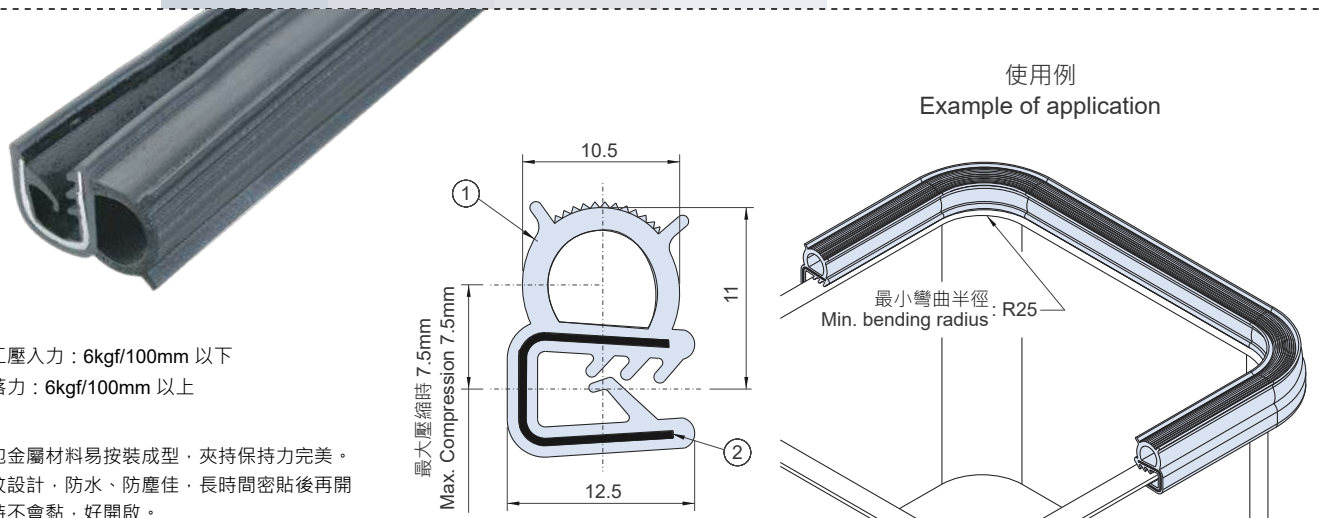
- FEATURES
- Using metal inside, to keep sustaining capacity perfectly.
 - After long term use it wouldn't be stick, easy to install and secure.
 - Dust-resistant and waterproof.
 - Temperature : It works properly between -40°C and 130°C .
 - Material compliant with UL 94 HB standards.
 - Minimum bending radius: R25

SPECIFICATIONS:

	材質 Material	表面顏色 Color	適用板厚 Max. Panel Thk.	重量(g/m) Weight
	EPDM軟質	黑色 Black	1.2~3.2mm	190
②	蕊材 Core: SPCC	材料本質 Natural		

包裝方式：每箱100米 (可零購) Package: 100M/carton (Available for retail)

B-2090202 側壓防水條 Side Pressure Waterproof Sealing Strip



- 規格
- 施工壓入力：6kgf/100mm 以下
 - 脫落力：6kgf/100mm 以上
- 特徵
- 內包金屬材料易按裝成型，夾持保持力完美。
 - 齒紋設計，防水、防塵佳，長時間密封後再開門時不會黏，好開啟。
 - 耐鹼、耐低濃度酸、耐侯溫度：-40°C ~ 130°C。
 - 材料符合UL 94 HB防火等級。
 - 最小彎曲半徑：R25。

SPECIFICATIONS:

- Insert capacity: Under 6kgf/100mm.
- Sustaining capacity: Above 6kgf/100mm.

- FEATURES
- Using metal inside, to keep sustaining capacity perfectly.
 - After long term use it wouldn't be stick, easy to install and secure.
 - Dust-resistant and waterproof.
 - Temperature : It works properly between -40°C and 130°C .
 - Material compliant with UL 94 HB standards.
 - Minimum bending radius: R25

SPECIFICATIONS:

	材質 Material	表面顏色 Color	適用板厚 Max. Panel Thk.	重量(g/m) Weight
	EPDM軟質	黑色 Black	1.2~3.2mm	176
②	蕊材 Core: SPCC	材料本質 Natural		

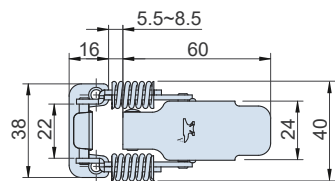
包裝方式：每箱100米 (可零購) Package: 100M/carton (Available for retail)

CS-01 Series 迫緊搭扣 Draw Latch (Spring Loaded Type)

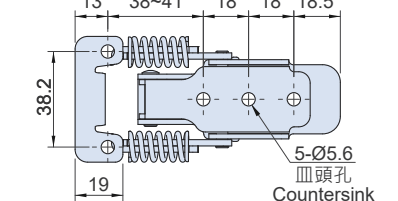
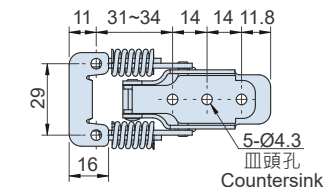
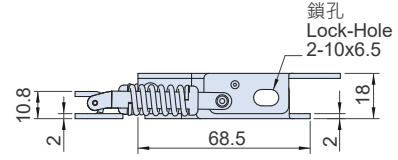
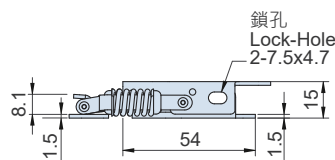
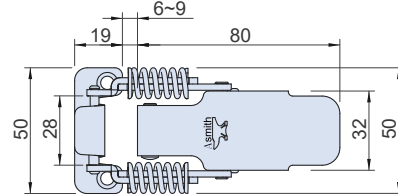
SUS304 RoHS Asmith



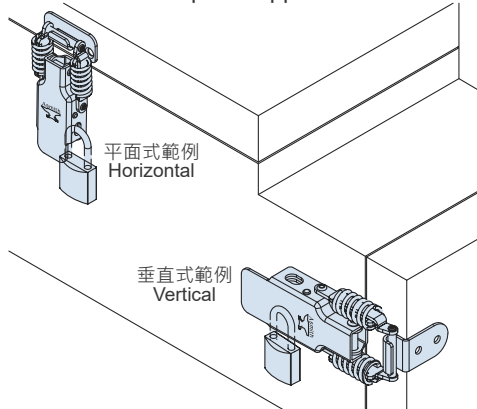
CS-0120 / CT-0120



CS-0130 / CT-0130



使用例 Example of application



特徵

- 兩邊有彈簧，具有迫緊式功能。
- 可用鋼掛鎖阻絕彈開可能性及增加安全性。

FEATURES

- Both sides spring design with compression function.
- Standard Lock-hole can using with lock.

SPECIFICATION:

產品編號 Item No.	材質 Material	表面處理 Finish	拉伸距離 \ 引張荷重 Extension Length \ Compression Force				重量 Weight (g)
			1 mm	2 mm	3 mm	4 mm	
CS-0120	SUS304	毛絲面 Brushed finish	22 kgf	27 kgf	33 kgf	38 kgf	69
CT-0120	SPCC	鍍鋅 Zinc Plated	28 kgf	36 kgf	41 kgf	47 kgf	71
CS-0130	SUS304	毛絲面 Brushed finish	28 kgf	34 kgf	41 kgf	44 kgf	136
CT-0130	SPCC	鍍鋅 Zinc Plated	29 kgf	36 kgf	40 kgf	50 kgf	140

Unit:mm

可替換鉤座 ALTERNATIVE KEEPERS:

產品編號 Item No.	CS-0120-3 CT-0120-3	CS-0120-4 CT-0120-4	CS-0120-6 CT-0120-6	CS-0120-7 CT-0120-7	CS-1120-2 CT-1120-2	CS-0210-2 CT-0210-2	CS-0220-2 CT-0220-2	CS-0230-2 CT-0230-2	CS-0210-3	CS-0220-3	CS-0230-3	CS-21100-W-2
CS-0120 CT-0120	●	●	●	●	●	●	●	●	●	●	●	●
CS-0130 CT-0130	●	●	●	●	●	●	●	●	●	●	●	●

備註：詳細規格請參考80~82頁

Remark: Please refer to page 80~82 for specifications.

材質與表面處理

- CS系列：不銹鋼(SUS304)，震動亮面。
- CT系列：鐵(SPCC)，鍍鋅(符合RoHS規範)

MATERIAL AND FINISH

- CS Series: Stainless steel (SUS304), Vibration ground.
- CT Series: Steel (SPCC), Zinc plated.

CS-3130 迫緊搭扣 Draw Latch (Spring Loaded Type)

SUS304 RoHS Asmith

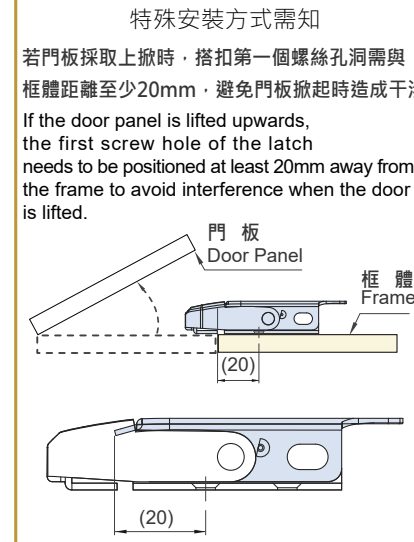
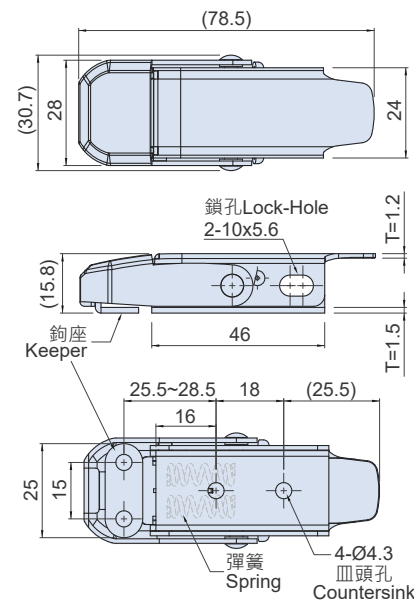


特徵

- 搭扣內裝雙隱藏強力彈簧，具有迫緊功能，用於振動設備極佳。
- 將鉤座隱藏於搭扣內，以達到一體性極簡外觀。
- 安全設計：採用從外部看不到安裝螺絲的安全設計，所以關閉時螺絲不會被拆卸，當加裝鋼掛鎖時，將可大幅增加安全性。
- 不銹鋼材質具有耐腐蝕性、耐藥品性。

FEATURES

- The draw latch is equipped with dual concealed strong springs with a tightening function, which is excellent for vibration equipment.
- The keeper is concealed within the draw latch to achieve minimalist appearance.
- Safety design: After being buckled, the installation screws are not visible from the outside, because the housing conceals all functional parts and so secures against dismantling when closed. Therefore, when a padlock is installed, it can greatly increasing security.
- SUS304 has corrosion resistance and resistance to chemicals.



引張荷重 Compression Force

拉伸距離 \ 引張荷重 Extension Length \ Compression Force	1 mm	2 mm	3 mm	4 mm
	11 kgf	16 kgf	28 kgf	36 kgf

SPECIFICATION:

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)
CS-3130	SUS304	震動亮面 Vibration ground	75

Unit:mm

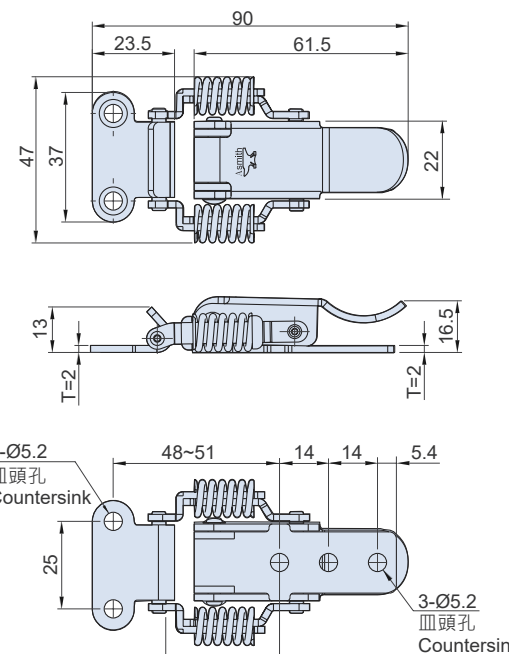
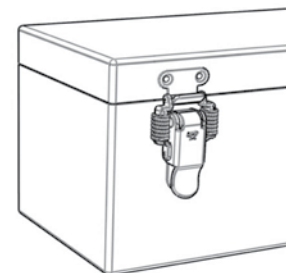
CS-1120 CT-1120

迫緊搭扣 Draw Latch (Spring Loaded Type)

SUS304 RoHS



使用例 Example of application



行程 (Spring compression : 1~4)

特徵

- 彈簧具有迫緊式功能。

FEATURES

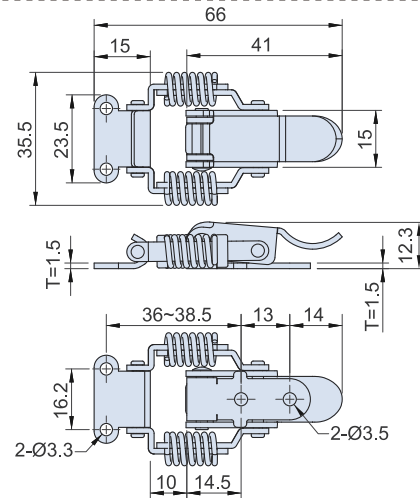
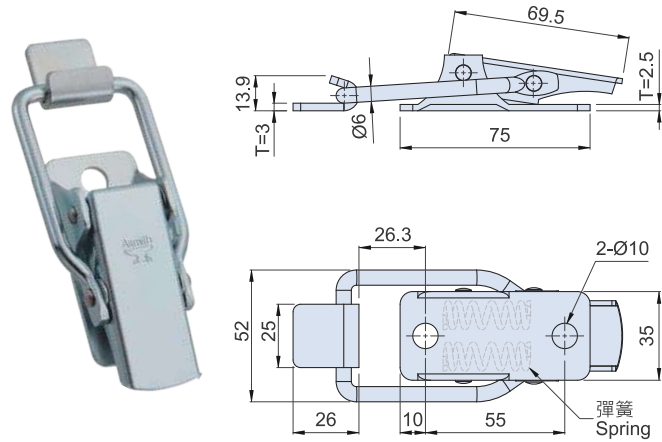
- Spring design with compression function.

SPECIFICATION:

產品編號 Item No.	材質 Material	表面處理 Finish	拉伸距離 \ 引張荷重 Extension Length \ Compression Force				重量 Weight (g)
			1 mm	2 mm	3 mm	4 mm	
CS-1120	SUS304	震動亮面 Vibration ground	22 kgf	27 kgf	32.5 kgf	38 kgf	88
CT-1120	SPCC	鍍鋅 Zinc Plated	28 kgf	36 kgf	41 kgf	47 kgf	88

Unit:mm

CT-5030-W

迫緊搭扣 Draw Latch
(Spring Loaded Type)CS-111
CT-111 Series迫緊搭扣 Draw Latch
(Spring Loaded Type)

行程 (Spring compression : 1.5~4)

特徵

- 彈簧具有迫緊式功能。
- 耐腐蝕性、耐藥品性。

FEATURES

- 2 springs provide strong and average compression force.
- Corrosion resistance.

引張荷重 Compression Force

拉伸距離 \ 引張荷重 Extension Length \ Compression Force				
1.5 mm	2 mm	3 mm	4 mm	
9 kgf	13 kgf	18 kgf	22 kgf	

SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)
CS-111	SUS304	震動亮面 Vibration ground	30
CT-11101W	SPCC	鍍鋅 Zinc Plated	
CT-111	SPCC	材料本質 Natural	29.2

特徵

- 內裝雙隱藏強力彈簧，具有迫緊功能，用於振動設備極佳。
- 外觀平滑不傷手，極佳美觀表面。

FEATURES

- Equipped with dual concealed strong springs with a tightening function, which is excellent for vibration equipment.
- Excellent aesthetic appearance and smooth surface.

引張荷重 Compression Force

拉伸距離 \ 引張荷重 Extension Length \ Compression Force				
1 mm	2 mm	3 mm	4 mm	
20 kgf	28 kgf	34 kgf	42 kgf	

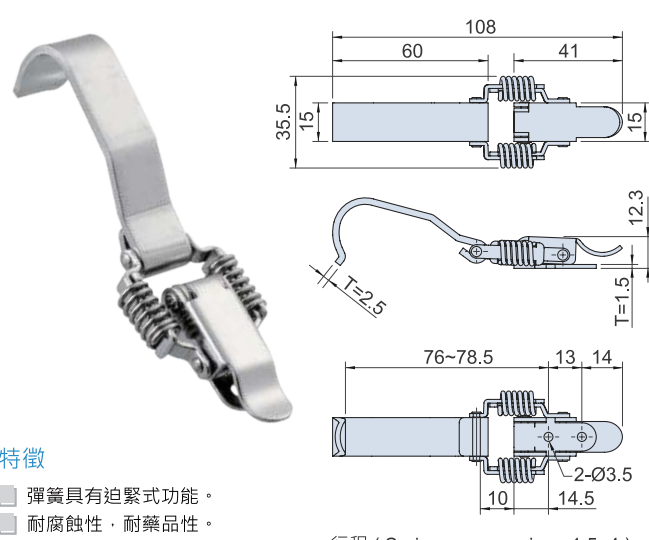
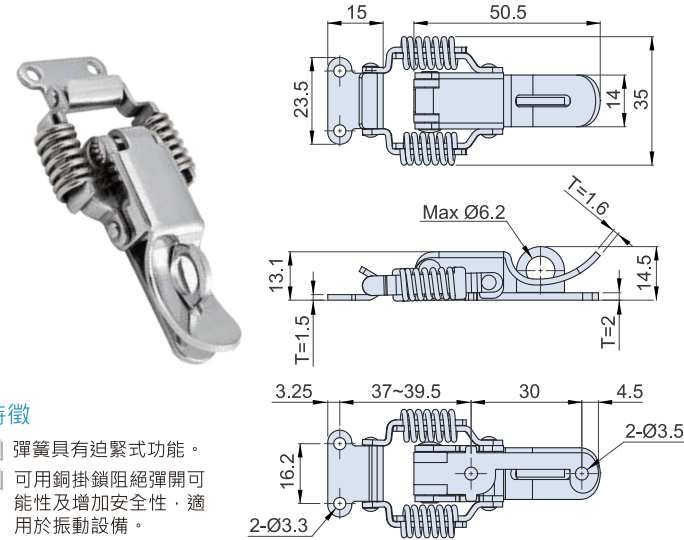
SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)
CT-5030-W	SPCC	鍍鋅 Zinc plated	215

CS-0412
CT-0412迫緊搭扣 Draw Latch
(Spring Loaded Type)

CS-112

迫緊搭扣 Draw Latch
(Spring Loaded Type)

行程 (Spring compression : 1.5~4)

特徵

- 彈簧具有迫緊式功能。
- 耐腐蝕性、耐藥品性。
- 適合用於桶槽、振動設備。

FEATURES

- 2 springs provide strong and average compression force.
- Corrosion resistance.
- Suitable for barrels and vibration equipment.

引張荷重 Compression Force

拉伸距離 \ 引張荷重 Extension Length \ Compression Force				
1.5 mm	2 mm	3 mm	4 mm	
9 kgf	13 kgf	18 kgf	22 kgf	

SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)
CS-112	SUS304	震動亮面 Vibration ground	57

特徵

- 彈簧具有迫緊式功能。
- 可用鋼掛鎖阻絕彈開可能性及增加安全性，適用於振動設備。

FEATURES

- Spring design with compression function.
- Standard Lock-hole can using with lock. Suitable for vibration equipment.

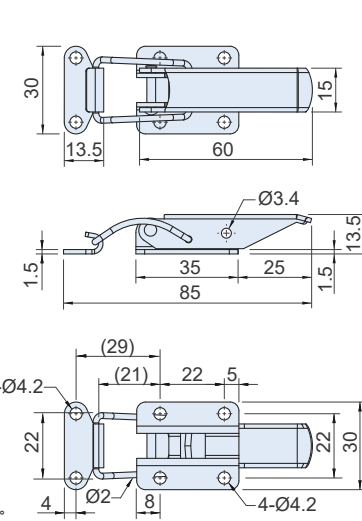
SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)
CS-0412	SUS304	震動亮面 Vibration ground	42.5
CT-0412	SPCC	鍍鋅 Zinc Plated	

CS-27
CT-27 Series迫緊搭扣 Draw Latch
(Spring Loaded Type)CS-00227-1
CT-00227-1 (Spring Loaded Type)

CS-27100-A



特徵

- 線環特殊設計，經久不鬆脫。
- 可插柱使物件更牢固。

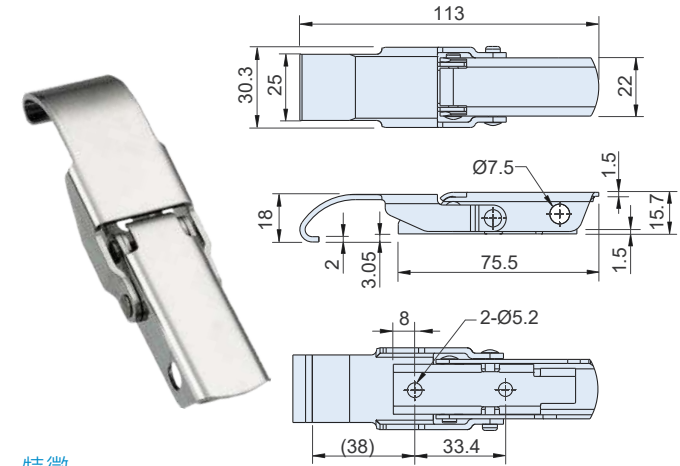
FEATURES

- The durable design of the wire loop prevents it from loosening after a long time use.
- Use with the bolt can be more firmly.

SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load Capacity (kg)	重量 Weight (g)
CS-27100-A	SUS304	震動亮面 Vibration ground	30	42.7
CT-27100-W	SPCC	鍍鋅 Zinc plated		41.6



特徵

- 金屬彈性弧形鉤，具有迫緊效果。
- 可用鋼掛鎖阻絕彈開可能性及增加安全性。

FEATURES

- Provide compression force, metal elastic arc hook, curved hooks can force the lid to not shake.
- Standard lock-hole available padlocks to prevent from the accident.

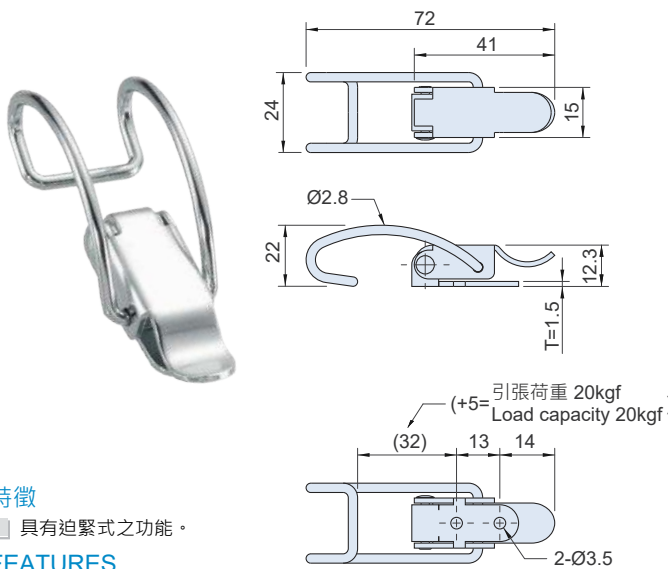
SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load Capacity (kg)	重量 Weight (g)
CS-00227-1	SUS304	震動亮面 Vibration ground	50	86.4
CT-00227-1	SPCC	鍍鋅 Zinc plated	40	88.4

CS-1113
CT-11130W迫緊搭扣 Draw Latch
(Spring Loaded Type)

CS-0413

迫緊搭扣 Draw Latch
(Spring Loaded Type)

特徵

- 具有迫緊式之功能。

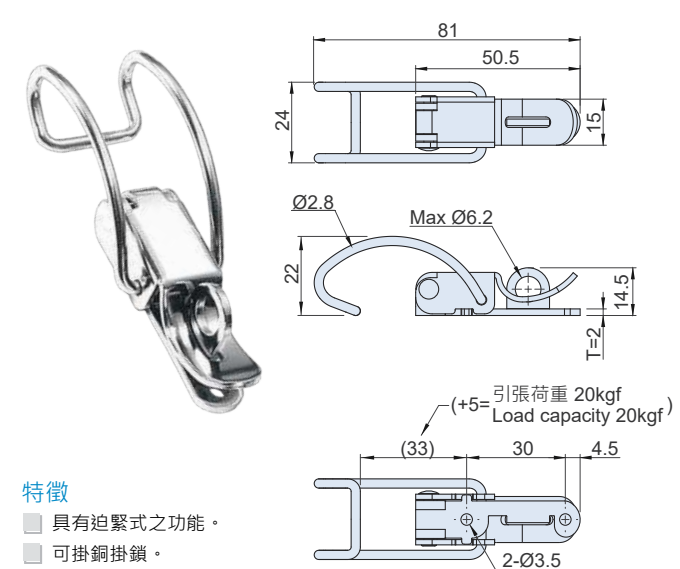
FEATURES

- Provide compression force.

SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load Capacity (kg)	重量 Weight (g)
CS-1113	SUS304	震動亮面 Vibration ground	20	25
CT-11130W	SPCC	鍍鋅 Zinc plated		24.4



特徵

- 具有迫緊式之功能。
- 可掛鋼掛鎖。

FEATURES

- Provide compression force.
- Standard lock hole.

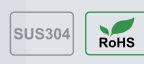
SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load Capacity (kg)	重量 Weight (g)
CS-0413	SUS304	震動亮面 Vibration ground	20	34

CS-22
CT-22

迫緊搭扣 Draw Latch
(Spring Loaded Type)

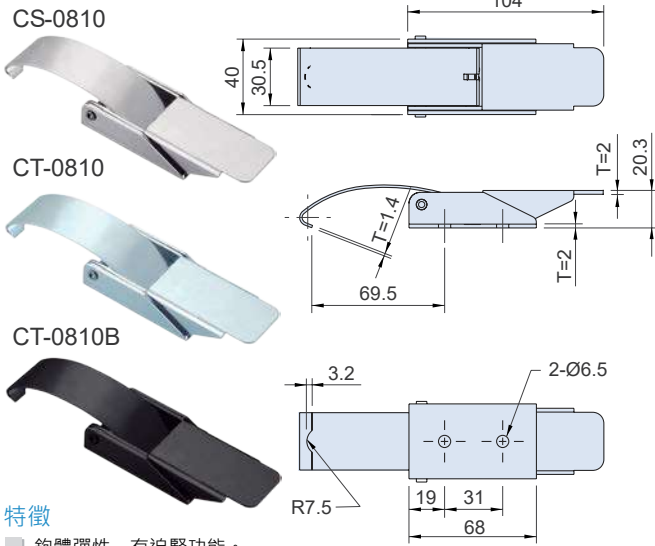
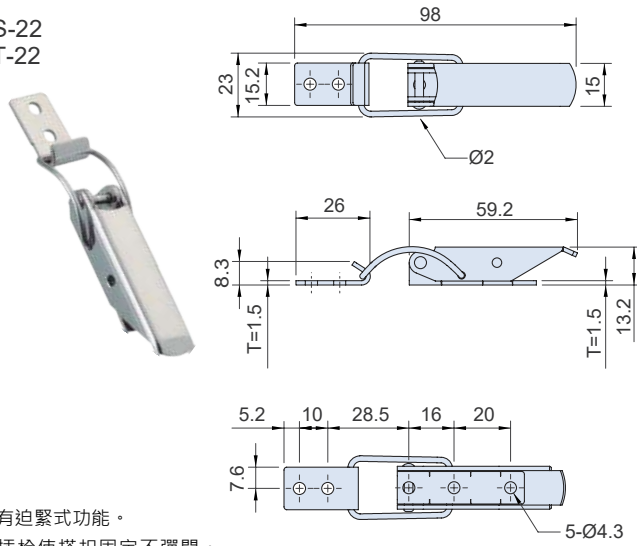


CS-0810
CT-0810

迫緊搭扣 Draw Latch
(Spring Loaded Type)



CS-22
CT-22



特徵

- 具有迫緊式功能。
- 可插栓使搭扣固定不彈開。

FEATURES

- Provide compression force.
- Locking hole available for pin or wire to prevent unintentional release.

SPECIFICATION: Unit:mm				
產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load Capacity (kg)	重量 Weight (g)
CS-22	SUS304	震動亮面 Vibration ground	25	38
CT-22	SPCC	鍍鋅 Zinc plated		30

特徵

- 鉤體彈性，有迫緊功能。

FEATURES

- Elastic hook.
- Provide compression force.

SPECIFICATION: Unit:mm				
產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load capacity(kg)	重量 Weight(g)
CS-0810	SUS304	震動亮面 Vibration ground	120	195
CT-0810	SPCC	鍍鋅 Zinc Plated		
CT-0810B		黑色 Black		196

CS-04007

迫緊搭扣 Draw Latch
(Spring Loaded Type)

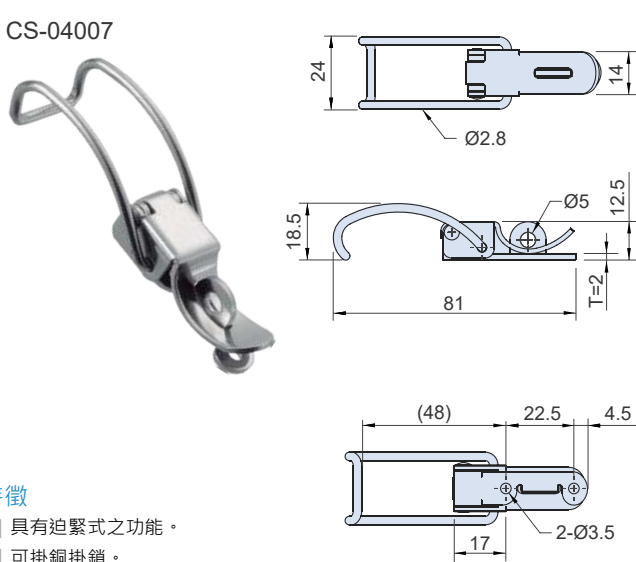


CS-29000

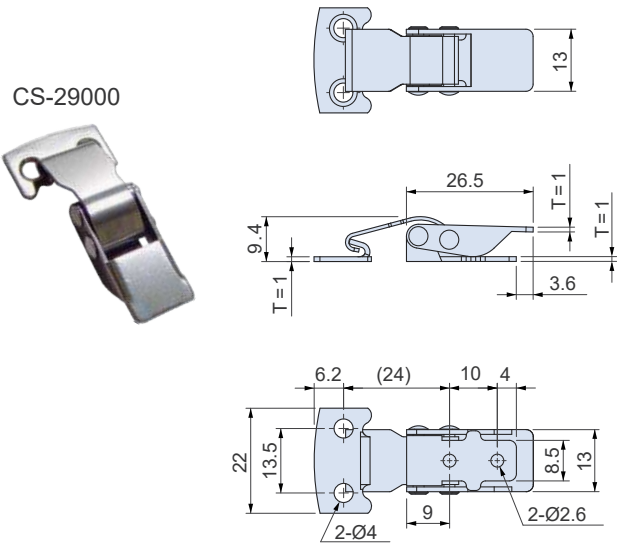
迫緊搭扣 Draw Latch
(Spring Loaded Type)



CS-04007



CS-29000



特徵

- 具有迫緊式之功能。
- 可掛鎖掛鎖。

FEATURES

- Provide compression force.
- Standard lock hole.

SPECIFICATION: Unit:mm				
產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load Capacity (kg)	重量 Weight (g)
CS-04007	SUS304	震動亮面 Vibration ground	20	28

特徵

- 具有迫緊式之功能。耐腐蝕性，耐藥品性。

FEATURES

- Provide compression force.

SPECIFICATION: Unit:mm			
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)
CS-29000	SUS304	震動亮面 Vibration ground	10

CS-083
CT-083

Series

迫緊搭扣 Draw Latch (Spring Loaded Type)



CS-08300 / CT-08300

CS-08302 / CT-08302

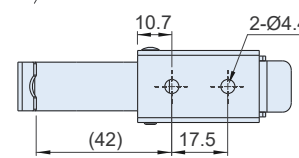
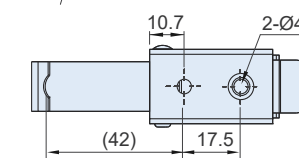
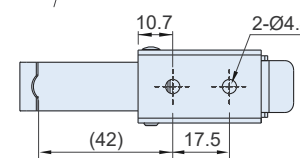
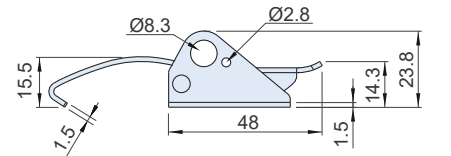
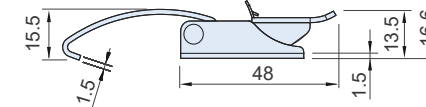
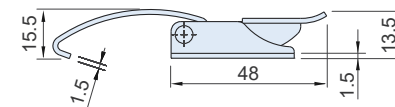
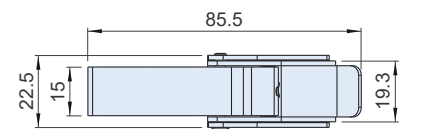
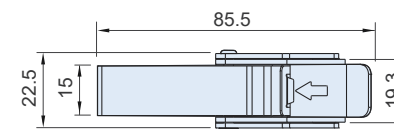
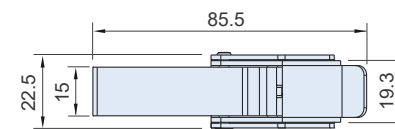
CS-08303



CS-08300 / CT-08300

CS-08302 / CT-08302

CS-08303



特徵

- 扣鉤特殊設計，可以無需鉤座而直接扣住物件或螺絲。
- CS(T)-08302的輔助鎖扣提供額外防護，避免嚴重震動彈開、意外開啟、衝擊載荷。
- CS-08303有兩種鎖固方式：
 - 可插栓線使物件更牢固
 - 可用鋼掛鎖阻絕彈開可能性及增加安全性

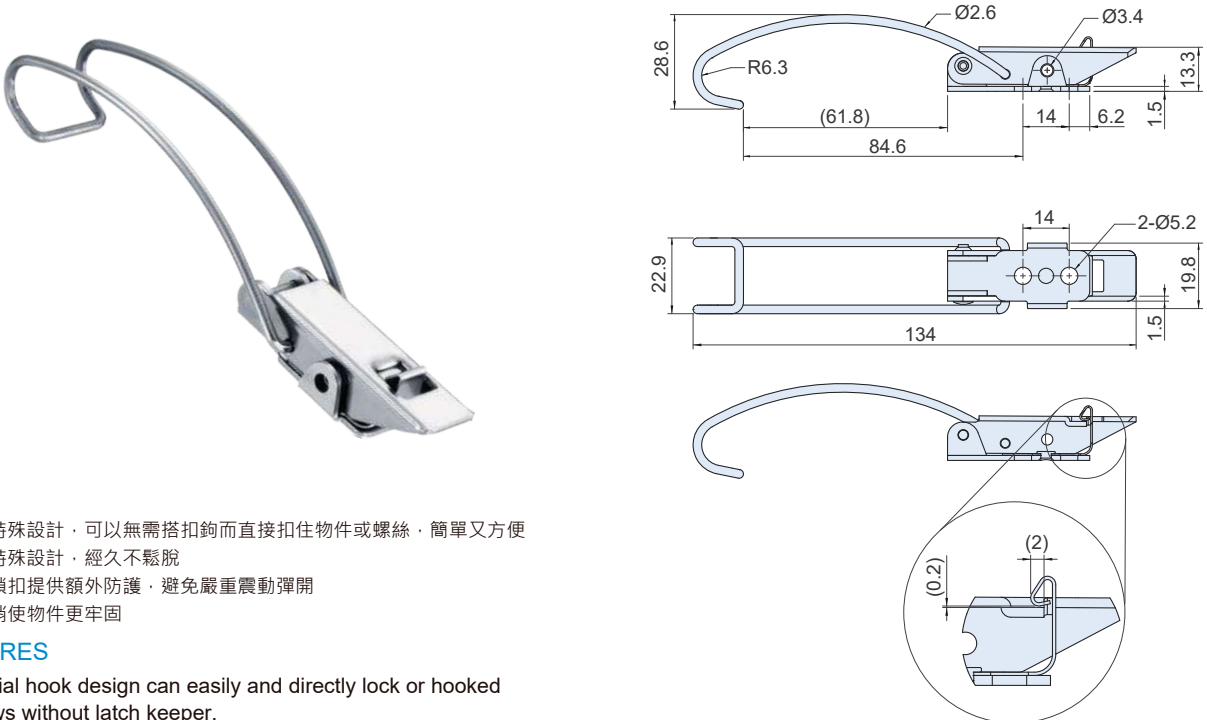
FEATURES

- Special hook design can easily and directly lock or hooked screws without latch keeper.
- CS(T)-08302: Make use of assistance latches and locks to do an additional protection, avoid seriously vibrating, suddenly opened, and loading huge capacity.
- CS-08303: Two ways for lock:
 - Can use tie wire to make sure the goods can be more stable.
 - Standard lock-hole available padlocks to prevent from the accident.

SPECIFICATION:

產品編號 Item No.	主體 Body		扣勾 Hook		彈片 Lock		引張荷重 Load capacity (kgf)	重量 Weight (g)
	材質 Material	表面處理 Finish	材質 Material	表面處理 Finish	材質 Material	表面處理 Finish		
CS-08300	SUS304	震動亮面 Vibration ground	SUS420	震動亮面+透明漆 Vibration ground + coating			2mm=50kgf	43
CT-08300	SPCC	鍍鋅 Zinc plated	SPCC	鍍鋅 Zinc plated				SUS301
CS-08302	SUS304	震動亮面 Vibration ground	SUS420	震動亮面+透明漆 Vibration ground + coating	44.7			
CT-08302	SPCC	鍍鋅 Zinc plated	SPCC	鍍鋅 Zinc plated		45.4		
CS-08303	SUS304	震動亮面 Vibration ground	SUS420	震動亮面+透明漆 Vibration ground + coating				50.6

CS-3780-W-1 迫緊搭扣 Draw Latch (Spring Loaded Type)



特徵

- 扣鉤特殊設計，可以無需搭扣鉤而直接扣住物件或螺絲，簡單又方便
- 線環特殊設計，經久不鬆脫
- 輔助鎖扣提供額外防護，避免嚴重震動彈開
- 可插銷使物件更牢固

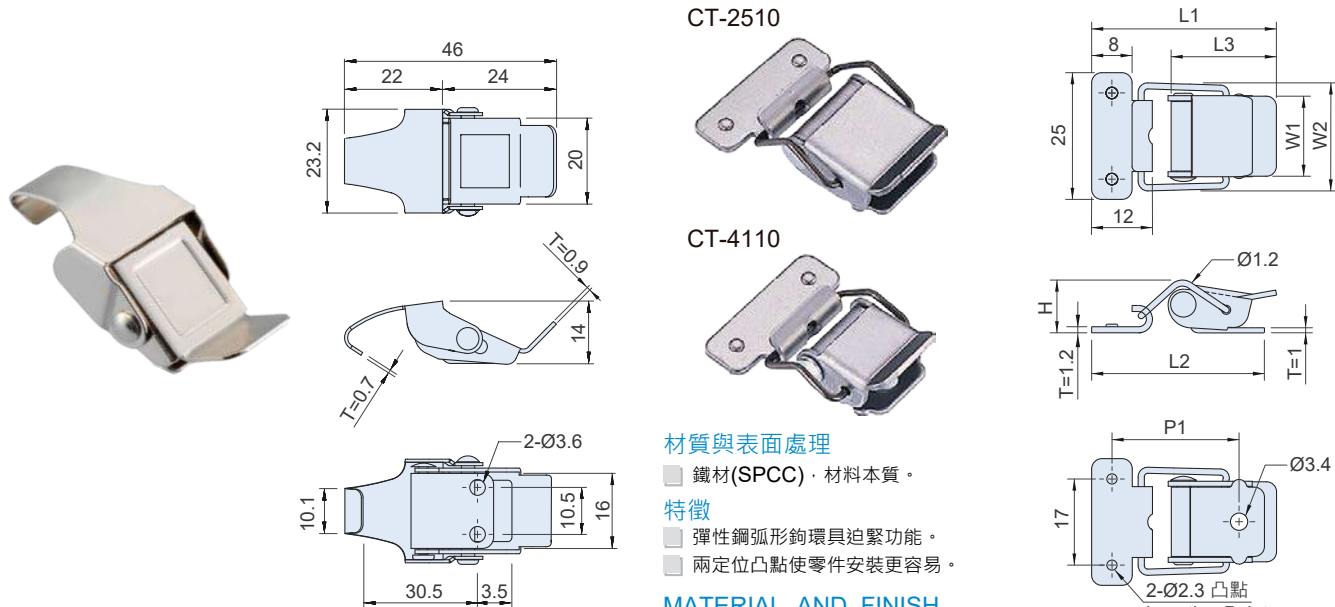
FEATURES

- Special hook design can easily and directly lock or hooked screws without latch keeper.
- The durable design of the wire loop prevents it from loosening after a long time use.
- Make use of assistance latches and R-pin hole to do an additional protection, avoid seriously vibrating, suddenly opened, and loading huge capacity.

SPECIFICATION:					Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load Capacity (kgf)	重量 Weight (g)	
CS-3780-W-1	SUS304	震動亮面 Vibration ground	35	75	

C-3430 迫緊搭扣 Draw Latch (Spring Loaded Type)

CT-2510 迫緊搭扣 Draw Latch (Spring Loaded Type)
CT-4110 迫緊搭扣 Draw Latch (Spring Loaded Type)



特徵

- 金屬彈性弧形鉤，具有迫緊效果

FEATURES

- Provide compression force, metal elastic arc hook, curved hooks can force the lid to not shake.

SPECIFICATION:				Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)	
C-3430	SPCC	鍍鎳 Nickel plated	15.8	

材質與表面處理

- 鐵材(SPCC)，材料本質。

特徵

- 彈性鋼弧形鉤環具迫緊功能。
- 兩定位凸點使零件安裝更容易。

MATERIAL AND FINISH

- SPCC, Natural

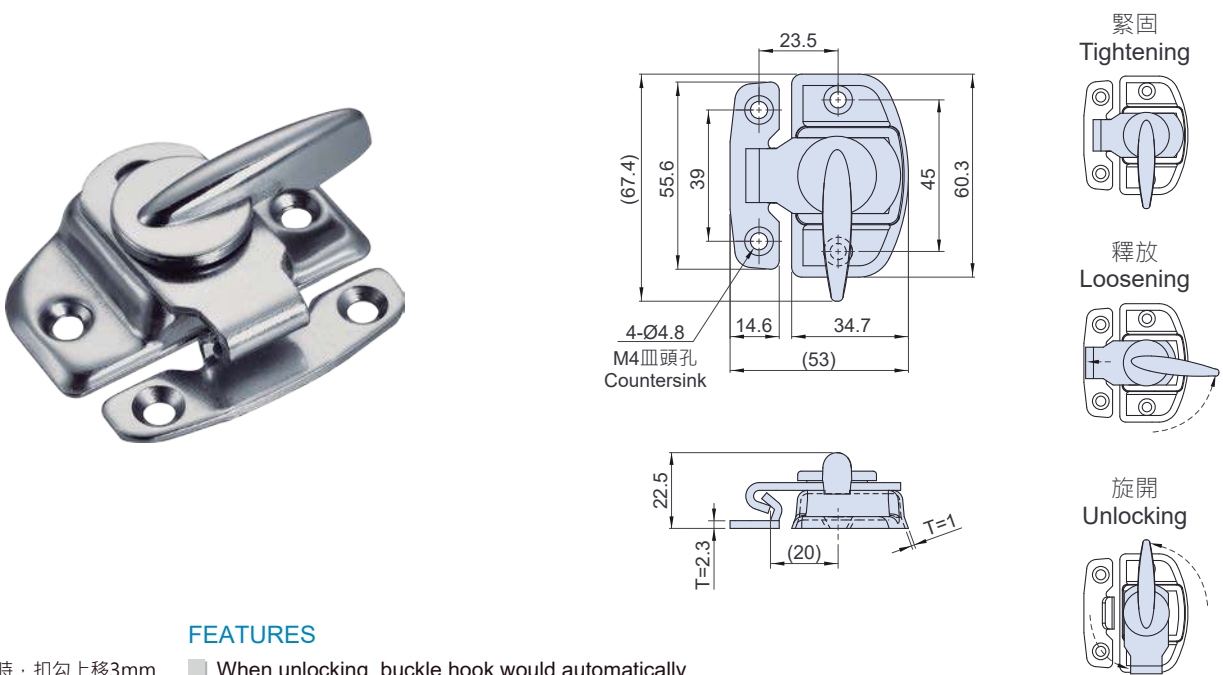
FEATURES

- Piano wire latch spring provides good compression force.
- Two locating points provide easy location when installed.

SPECIFICATION:

產品編號 Item No.	尺寸 Dimensions							引張荷重 Load Capacity (kg)	重量 Weight (g)
	L1	L2	L3	P1	W1	W2	H		
CT-2510	36.5	34.5	21	25.5	16	20	9.5	15	10.8
CT-4110	31.5	29.5	17	21.7	14	19.5	9		8.8

CT-3520-W 迫緊搭扣 Draw Latch (Spring Loaded Type)



特徵

- 開啟時，扣勾上移3mm後旋轉90度
- 關閉時，旋轉回正，且迫緊箱蓋不晃動
- When unlocking, buckle hook would automatically move 3mm up, and then turns 90 degrees.
- When locking, buckle hook returns to its original position to tighten the cover.

材質與表面處理

- 本體：SPCC，鍍鉻
- 把手：鋅合金，鍍鉻

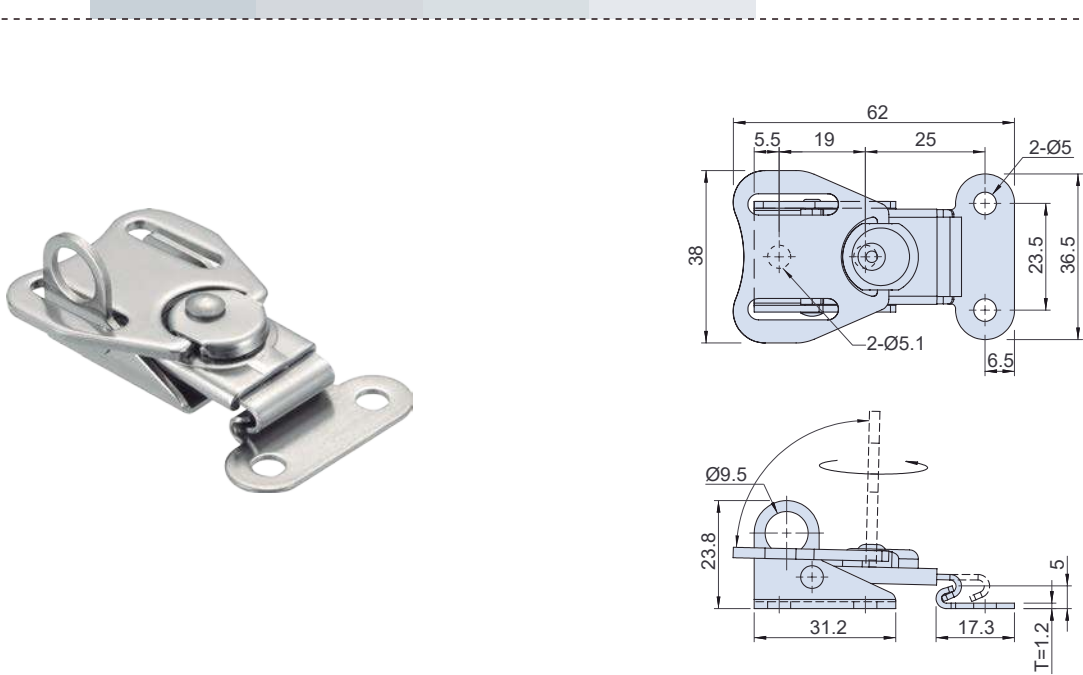
FEATURES

MATERIAL AND FINISH

- Body: SPCC, Bright chrome plated.
- Handle: Die-cast Zinc, Bright chrome plated.

SPECIFICATION:					Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load Capacity (kgf)	重量 Weight(g)	
CT-3520-W	SPCC	鍍鉻 Bright chrome	80	74	

CS-26228 迫緊搭扣 Draw Latch (Spring Loaded Type)



特徵與用途

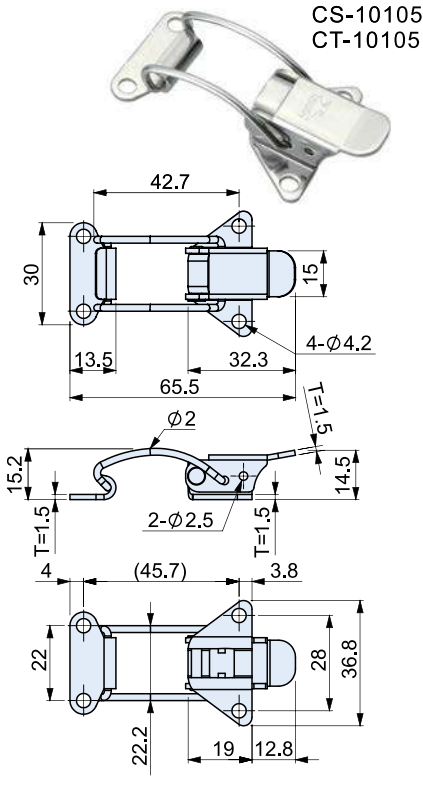
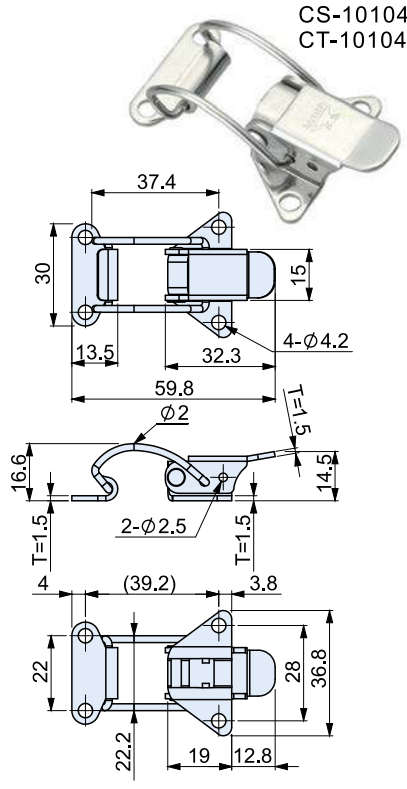
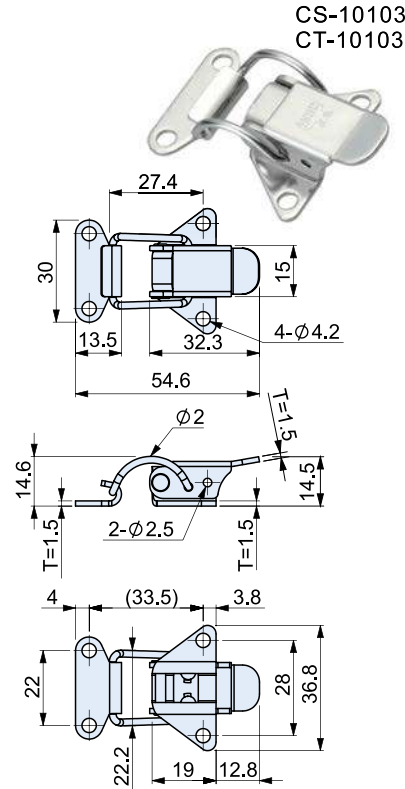
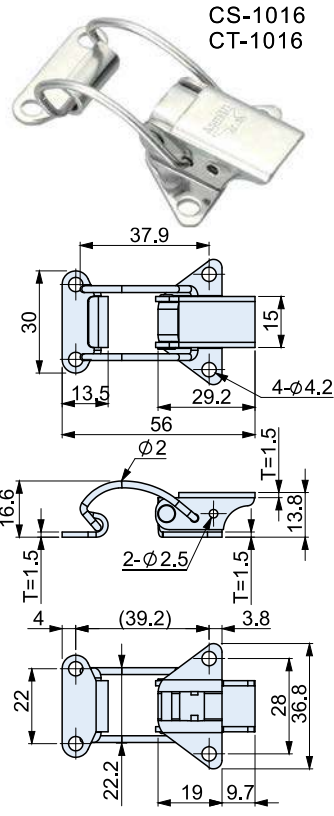
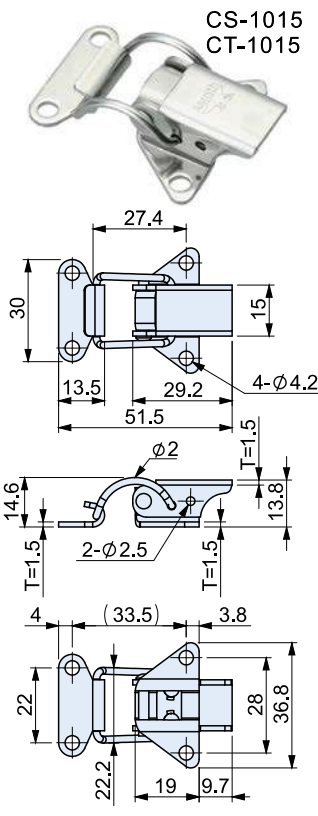
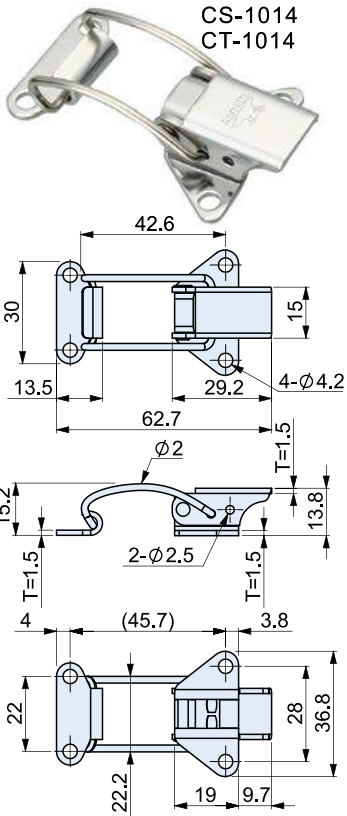
- 順時針旋轉拉緊後，施柄蓋平(閉鎖狀)，不易因振動而鬆開。
- 適用專業儀表、儀器、音響用機箱櫃、檢測儀器箱框。

FEATURES AND APPLICATIONS

- Cover of rotator handle is parallelism after revolving to tense and it doesn't loosen easily at vibration.
- Used for professional instrument, equiternment, cabinet of stereo and testing machines.

SPECIFICATION:					Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load Capacity (kg)	重量 Weight (g)	
CS-26228	SUS304	震動亮面 Vibration ground	30	54	

CS-10 Series 迫緊搭扣 Draw Latch (Spring Loaded Type)



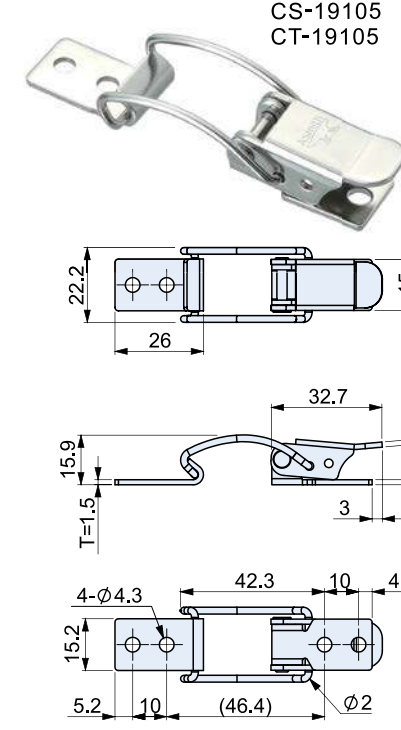
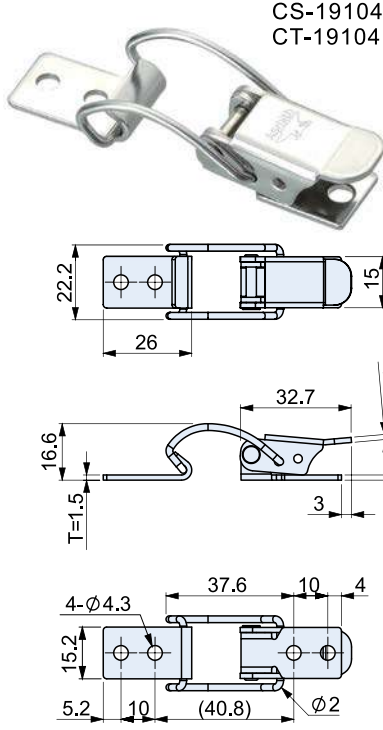
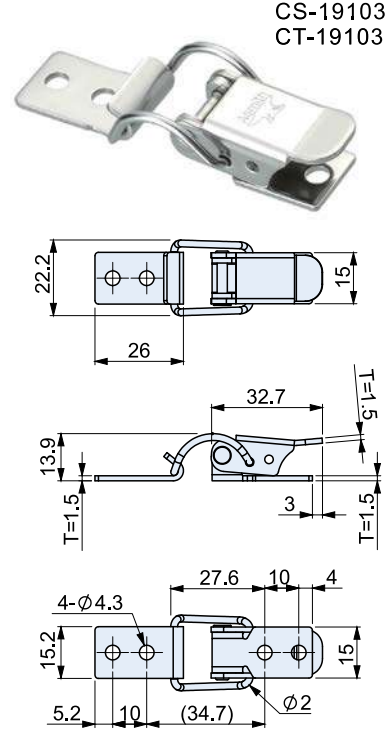
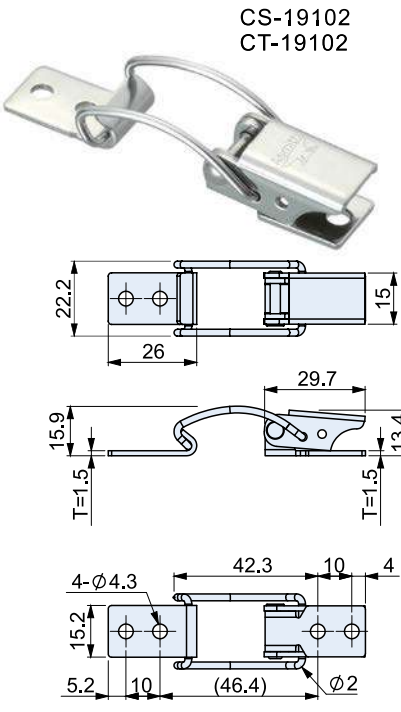
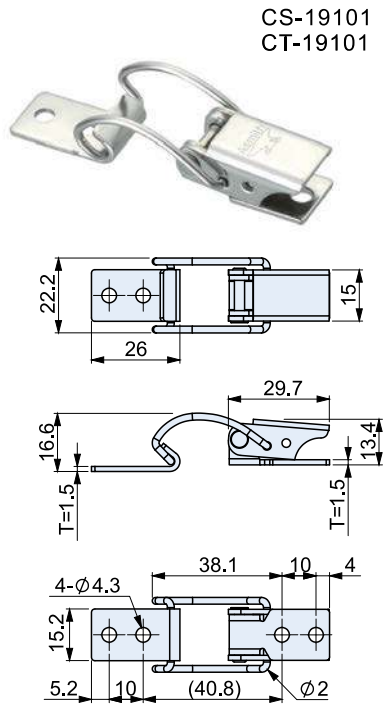
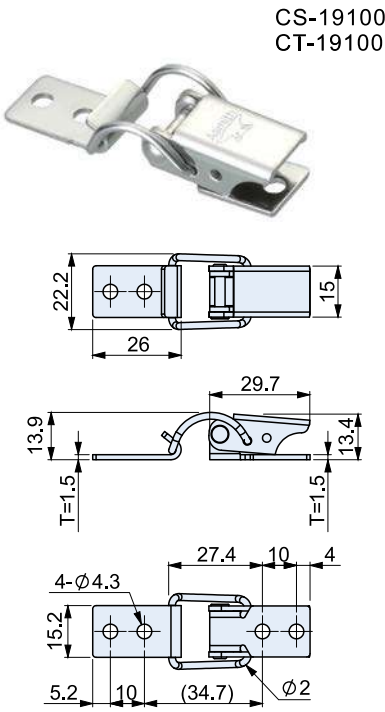
SPECIFICATIONS: Unit:mm

產品編號 Item No.	材 質 Material	表面處理 Finish	引張荷重 Load capacity (kg)	重量 Weight(g)
CS-1014	SUS304	震動亮面 Vibration ground	22	20
CS-1015			21	24
CS-1016			20	20
CS-10103			21	23.9
CS-10104			20	20
CS-10105			22	20

SPECIFICATIONS: Unit:mm

產品編號 Item No.	材 質 Material	表面處理 Finish	引張荷重 Load capacity (kg)	重量 Weight(g)
CT-1014	SPCC	鍍 鋅 Zinc plated	22	19
CT-1015				23.4
CT-1016				19
CT-10103				23.3
CT-10104				19
CT-10105				19

CS-19 Series 迫緊搭扣 Draw Latch (Spring Loaded Type)

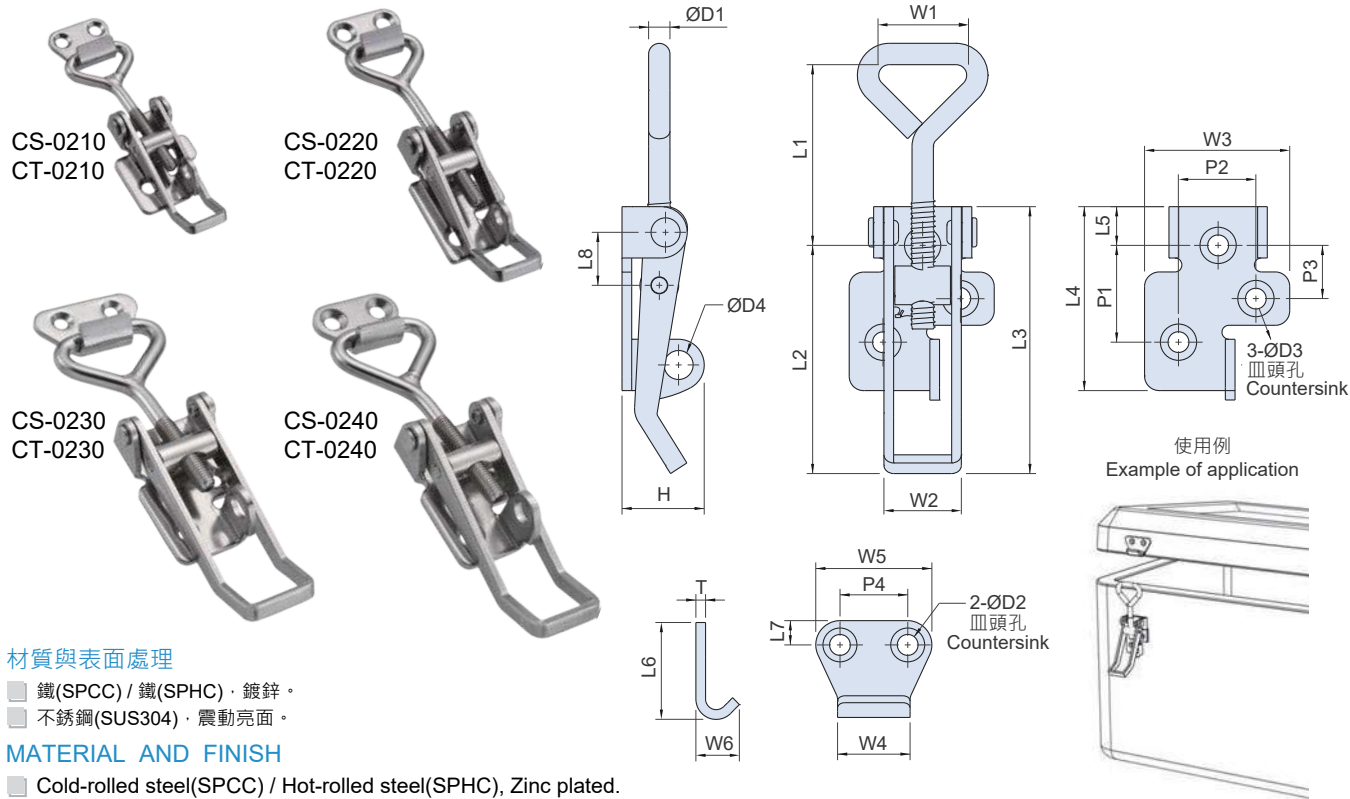


SPECIFICATIONS: Unit:mm

產品編號 Item No.	材 質 Material	表面處理 Finish	引張荷重 Load capacity (kg)	重量 Weight(g)
CS-19100	SUS304	震動亮面 Vibration ground	22	23.5
CS-19101			21	18.6
CS-19102			20	18.6
CS-19103			21	23.4
CS-19104			20	18.5
CS-19105			22	18.5

SPECIFICATIONS: Unit:mm

產品編號 Item No.	材 質 Material	表面處理 Finish	引張荷重 Load capacity (kg)	重量 Weight(g)
CT-19100	SPCC	鍍 鋅 Zinc plated	22	22.9
CT-19101				18.2
CT-19102				18.2
CT-19103				22.8
CT-19104				18.1
CT-19105				18.1



材質與表面處理

■ 鐵(SPCC) / 鐵(SPHC) · 鍍鋅。
■ 不銹鋼(SUS304) · 震動亮面。

MATERIAL AND FINISH

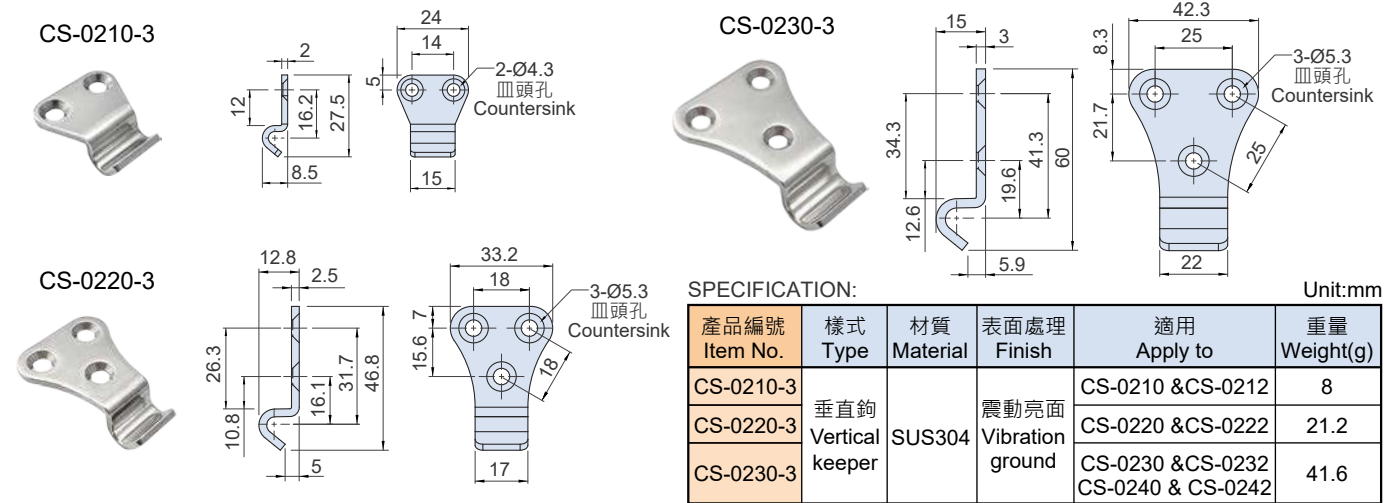
■ Cold-rolled steel(SPCC) / Hot-rolled steel(SPHC), Zinc plated.
■ Stainless steel(SUS304), Vibration ground.

- 特徵**
- 鉤環能依螺牙正反轉 · 調整適當鬆緊迫緊物件。
 - 可用銅掛鎖阻絕彈開可能性及增加安全性。
 - 搭扣經過去毛邊處理 · 消除撇把銳利感 · 不須加工保護套。
 - 搭扣含圖中之平面鉤 · 若須搭配垂直鉤 · 請參考下方之鉤仔。
- FEATURES**
- With adjustable latch rod, user can adjust the suitable compression force.
 - Standard lock-hole available padlocks to prevent from the accident.
 - Draw Latch was treated with a shaving edge to eliminate the sharpness, so there is no need to have protective cover in the produce process.
 - The draw latch is including the horizontal keeper, if you need vertical keeper then you can reference the below information.

SPECIFICATIONS:

Unit:mm

產品編號 Item No.	材質 Material	尺寸 Dimensions																							引張荷重 Load capacity (kgf)	重量 Weight (g)	
		L1	L2	L3	L4	L5	L6	L7	L8	W1	W2	W3	W4	W5	W6	H	P1	P2	P3	P4	D1	D2	D3	D4			T
CS-0210	SUS304	34~42	47	55	38	8	20	5	11	18.2	16	30	15	24	10.6	17	20	16	11	14	4.4	4.3	4.3	4.8	2	70	51.2
CT-0210	SPCC																										
CS-0220	SUS304	48~65	53	67	50	14	22	6	12	21.4	20	32	17	30	13.3	19	27	18	11	17	5.3	5.3	5.3	5.8	2.5	85	96.2
CT-0220	SPCC																										
CS-0230	SUS304	50~70	85	98	61	12	29	7.5	15	34	30	40	22	45	17	24.5	36	22	19	22	7	5.3	5.3	6.8	3	95	209.8
CT-0230	SPCC																										
CS-0240	SUS304	57~75	90	102	61	12	30	9	16	34	32	42	22	40	17	26	36	22	19	22	7	6.5	6.5	8.3	4	145	250.8
CT-0240	SPHC																										

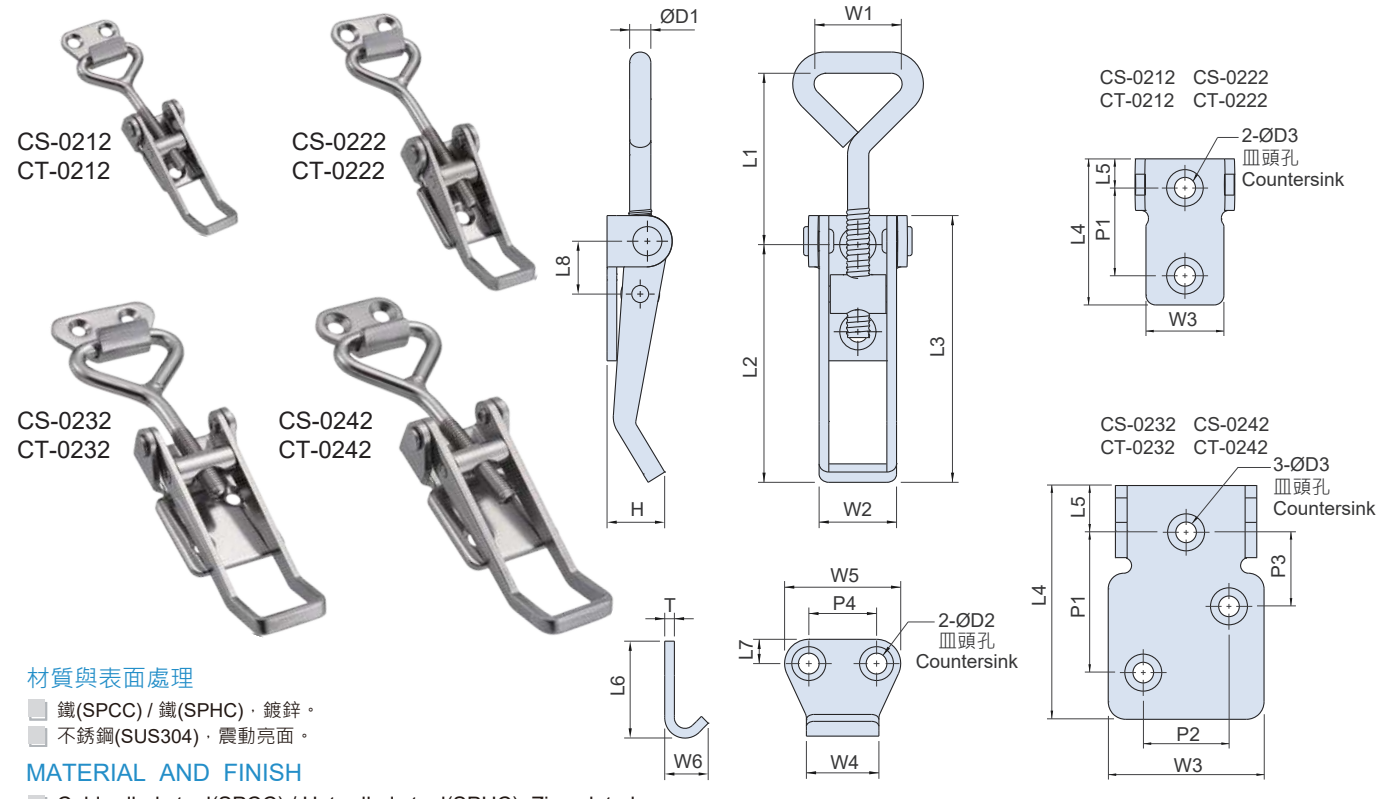


CS-0220-3





SPECIFICATION:					Unit:mm
產品編號 Item No.	樣式 Type	材質 Material	表面處理 Finish	適用 Apply to	重量 Weight(g)
CS-0210-3	垂直鉤 Vertical keeper	SUS304	震動亮面 Vibration ground	CS-0210 & CS-0212	8
CS-0220-3				CS-0220 & CS-0222	21.2
CS-0230-3				CS-0230 & CS-0232 CS-0240 & CS-0242	41.6



材質與表面處理

■ 鐵(SPCC) / 鐵(SPHC) · 鍍鋅。
■ 不銹鋼(SUS304) · 震動亮面。

MATERIAL AND FINISH

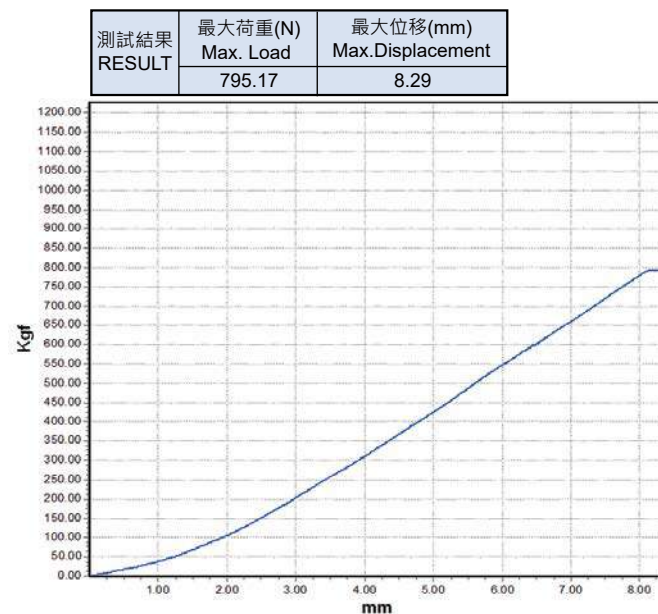
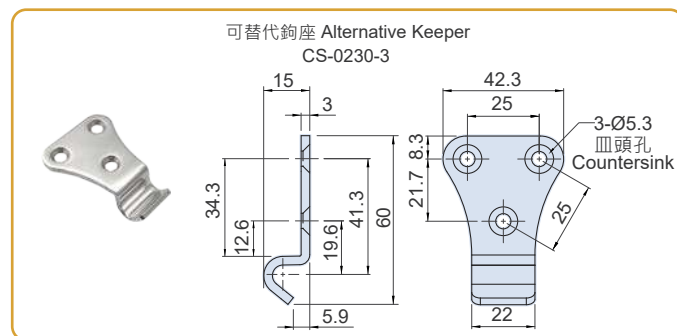
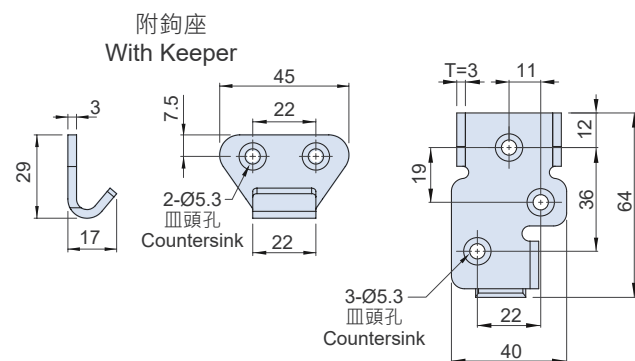
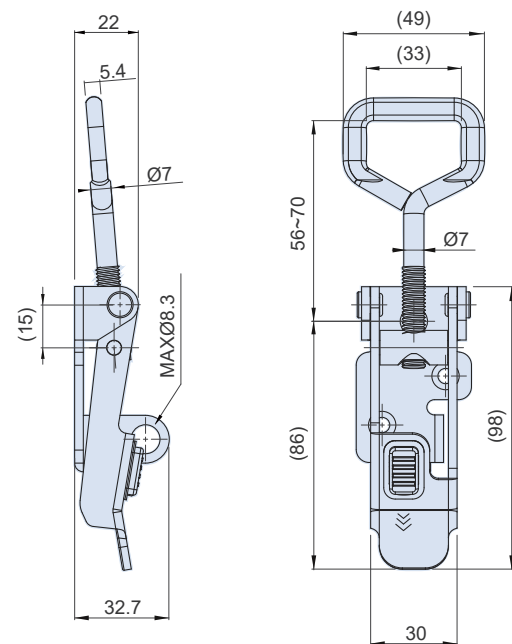
■ Cold-rolled steel(SPCC) / Hot-rolled steel(SPHC), Zinc plated.
■ Stainless steel(SUS304), Vibration ground.

- 特徵**
- 鉤環能依螺牙正反轉 · 調整適當鬆緊迫緊物件。
 - 搭扣經過去毛邊處理 · 消除撇把銳利感 · 不須加工保護套。
 - 搭扣含圖中之平面鉤 · 若須搭配垂直鉤 · 請參考前頁下方之鉤仔。
- FEATURES**
- With adjustable latch rod, user can adjust the suitable compression force.
 - Draw Latch was treated with a shaving edge to eliminate the sharpness, so there is no need to have protective cover in the produce process.
 - The draw latch is including the horizontal keeper, if you need vertical keeper then you can reference the below information of the previous page.

SPECIFICATIONS:																										Unit:mm	
產品編號 Item No.	材質 Material	尺寸 Dimensions																								引張荷重 Load capacity (kgf)	重量 Weight (g)
		L1	L2	L3	L4	L5	L6	L7	L8	W1	W2	W3	W4	W5	W6	H	P1	P2	P3	P4	D1	D2	D3	T			
CS-0212	SUS304	21~40	49	55	30	6	20	5	11	18.2	16	16	15	24	10.6	11.8	18				14	4.4	4.3	4.3	2	70	45
CT-0212	SPCC																										
CS-0222	SUS304	40~65	53	67	42	14	22	6	12	21.4	20	25	17	30	13.3	16.4	17				17	5.3	5.3	5.3	2.5	85	86.8
CT-0222	SPCC																										
CS-0232	SUS304	47~70	86	98	60	12	29	7.5	15	34	30	40	22	45	17	19.4	36	22	19	22	7	5.3	5.3	3	95	208.4	
CT-0232	SPCC																										
CS-0242	SUS304	46~75	90	102	61	12	30	9	16	34	32	42	22	40	17	20	36	22	19	22	7	6.5	6.5	4	145	251	
CT-0242	SPHC																										

訂製：加裝螺帽、華司 · MOQ100 *Customize: with Nut & Washer MOQ100*

產品編號 Item No.		產品編號 Item No.	
原編號 Original	加裝螺帽、華司 With Nut & Washer	原編號 Original	加裝螺帽、華司 With Nut & Washer
CS-0210	CS-02100	CS-0212	CS-02120
CT-0210	CT-02100	CT-0212	CT-02120
CS-0220	CS-02200	CS-0222	CS-02220
CT-0220	CT-02200	CT-0222	CT-02220
CS-0230	CS-02300	CS-0232	CS-02320
CS-0240	CS-02400	CS-0242	CS-02420
CT-0240	CT-02400	CT-0242	CT-02420



CS-5230 調整搭扣荷重測試曲線圖
The chart shows the Draw Latches (Adjustable Type)
load capacity of CS-5230

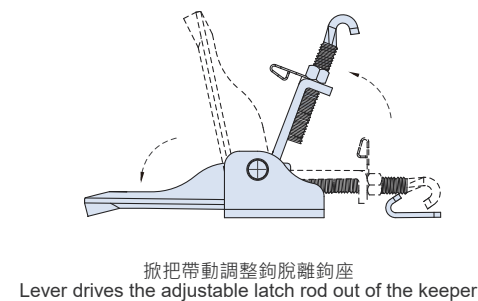
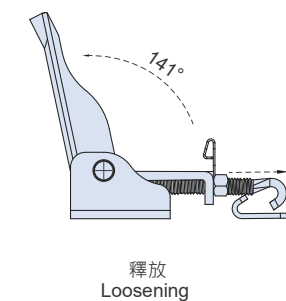
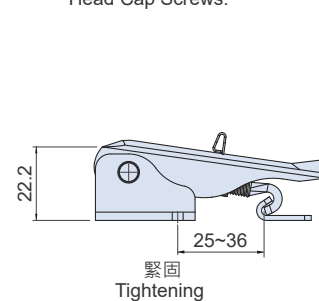
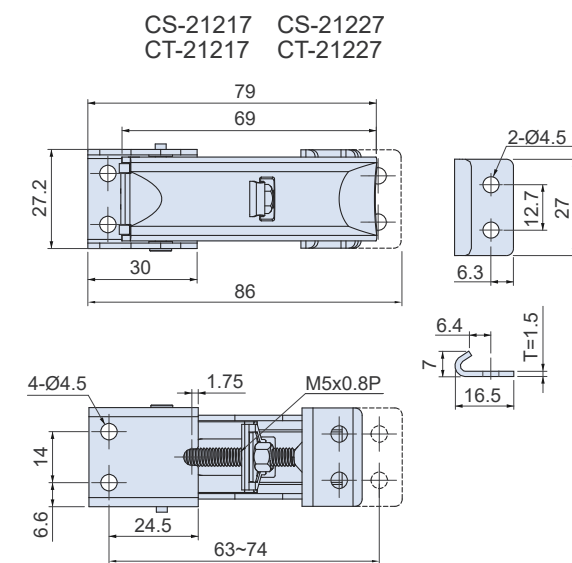
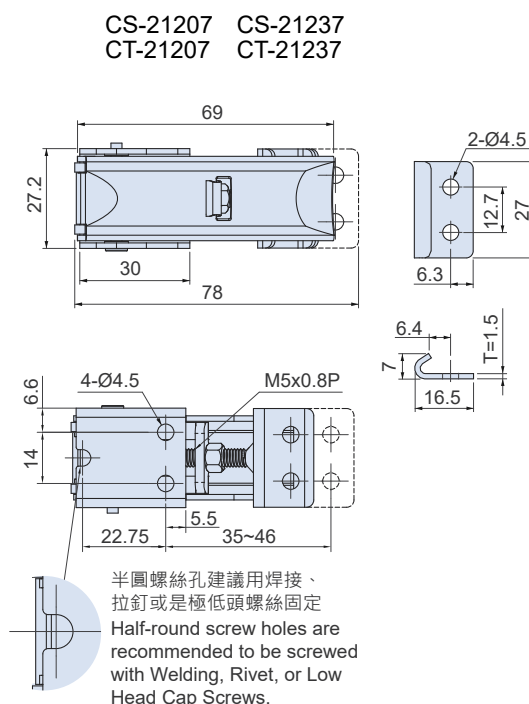
特徴

- 鉤環可依螺牙正反轉調整適當鬆緊固定物件。
- 鉤環加裝尼龍圈增加正反轉阻力，避免鉤環誤觸轉動。
- 掀把具有輔助鎖扣鈕提供防護，避免嚴重震動彈開。
- 作動說明：將鎖扣鈕下滑，並抬起掀把即可開啟，關閉時只需向內壓，鎖扣鈕會自動關閉。
- 可加裝鋼掛鎖阻絕彈開可能性及增加安全性，用於模具上極佳。
- 每一搭扣都經過拋毛邊處理，消除掀把銳利感，因此無須加工保護套。

FEATURES

- With adjustable latch rod, user can adjust the suitable compression force.
- The hook is equipped with a nylon ring to increase resistance during forward and reverse rotation, preventing accidental movement of the hook.
- Make use of assistance latches and R-pin hole to do an additional protection, avoid seriously vibrating, suddenly opened, and loading huge capacity.
- Operating Instructions: Slide the locking button downward and lift the handle to open.
- To close, simply press inward; the locking button will automatically engage.
- Standard lock-hole available padlocks to prevent from the accident, applicable to molds.
- Each Draw Latch was treated with a shaving edge to eliminate the sharpness, so there is no need to have protective cover in the produce process.

SPECIFICATION:				Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load Capacity (kgf)	重量 Weight (kg)
CT-5230-W	SPHC	鍍鋅 Zinc plated	95	242
CT-5230-B		黑色 Black		241
CS-5230-A	SUS304	震動亮面 Vibration ground		



特徴

- 因扣鉤藏於施柄內，因此更為美觀
- 調整鉤能依螺牙正反轉，調整適當鬆緊迫緊物件。
- 輔助鎖扣提供額外防護：嚴重振動、意外開啟、衝擊載荷。

FEATURES

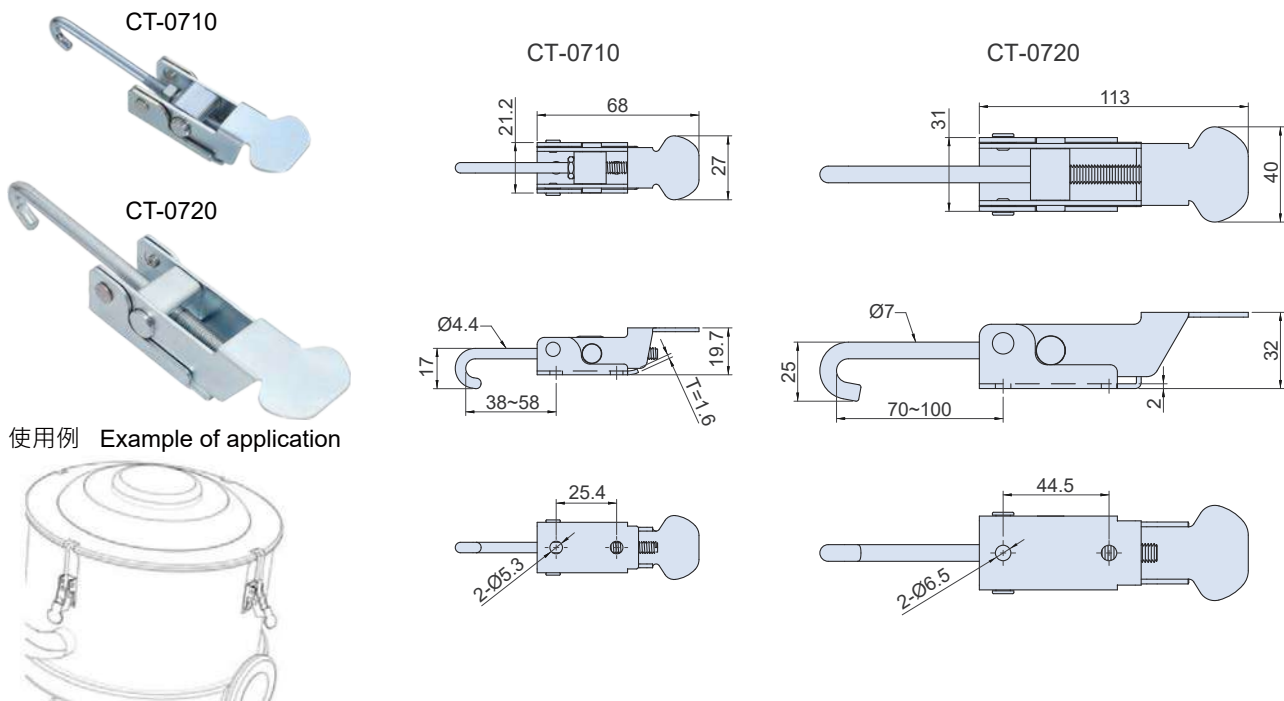
- Inside hook design is more beautiful, smooth surface.
- The adjustable latch rod can depend on the spiral tooth to be reversing, to adjust the suitable compression force.
- Make use of assistance latches and locks to do an additional protection: Seriously vibrated, Suddenly opened, and Loading huge capacity.

SPECIFICATION:

產品編號 Item No.	材質 Material	表面處理 Finish	樣式 Type	引張荷重 Load Capacity (kgf)	重量 Weight (g)
CS-21207	SUS304	震動亮面 Vibration ground		70	80
CT-21207	SPCC	鍍鋅 Zinc Plated		80	
CS-21217	SUS304	震動亮面 Vibration ground		70	
CT-21217	SPCC	鍍鋅 Zinc Plated		80	
CS-21227	SUS304	震動亮面 Vibration ground	輔助鎖扣 Assistance Latch	70	
CT-21227	SPCC	鍍鋅 Zinc Plated		80	
CS-21237	SUS304	震動亮面 Vibration ground		70	
CT-21237	SPCC	鍍鋅 Zinc Plated		80	

Unit:mm

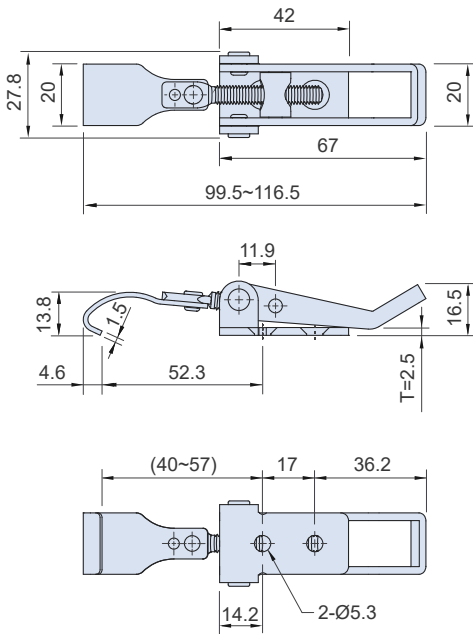
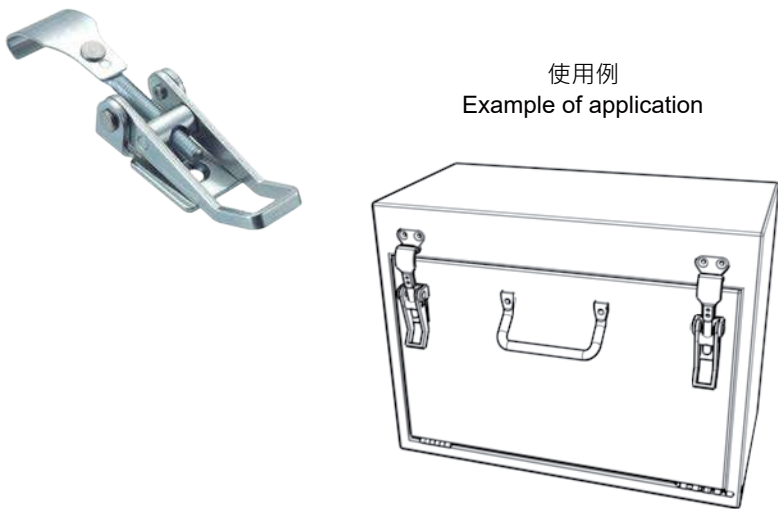
CT-07 Series 調整搭扣 Draw Latch (Adjustable Type)



- 特徴**
- 鉤體長短可調整，用途廣泛。在鉤體調整至適當鬆緊，固定螺帽鎖緊後再內附彈性片，可防螺帽鬆脫的功能。
 - CT-0710採用螺帽固定鉤體，CT-0720採用尼龍圈固定鉤體。
- FEATURES**
- Adjustable latch rod, user can adjust the suitable compression force.
 - CT-0710 uses a nut to fix the adjustable latch rod,
 - CT-0720 uses nylon ring to fix the adjustable latch rod.

SPECIFICATION: Unit: mm				
產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load capacity (kgf)	重量 Weight (g)
CT-0710	SPCC	鍍鋅 Zinc plated	70	66.5
CT-0720	SPCC	鍍鋅 Zinc plated	100	216

CT-02221-W-1 調整搭扣 Draw Latch (Adjustable Type)



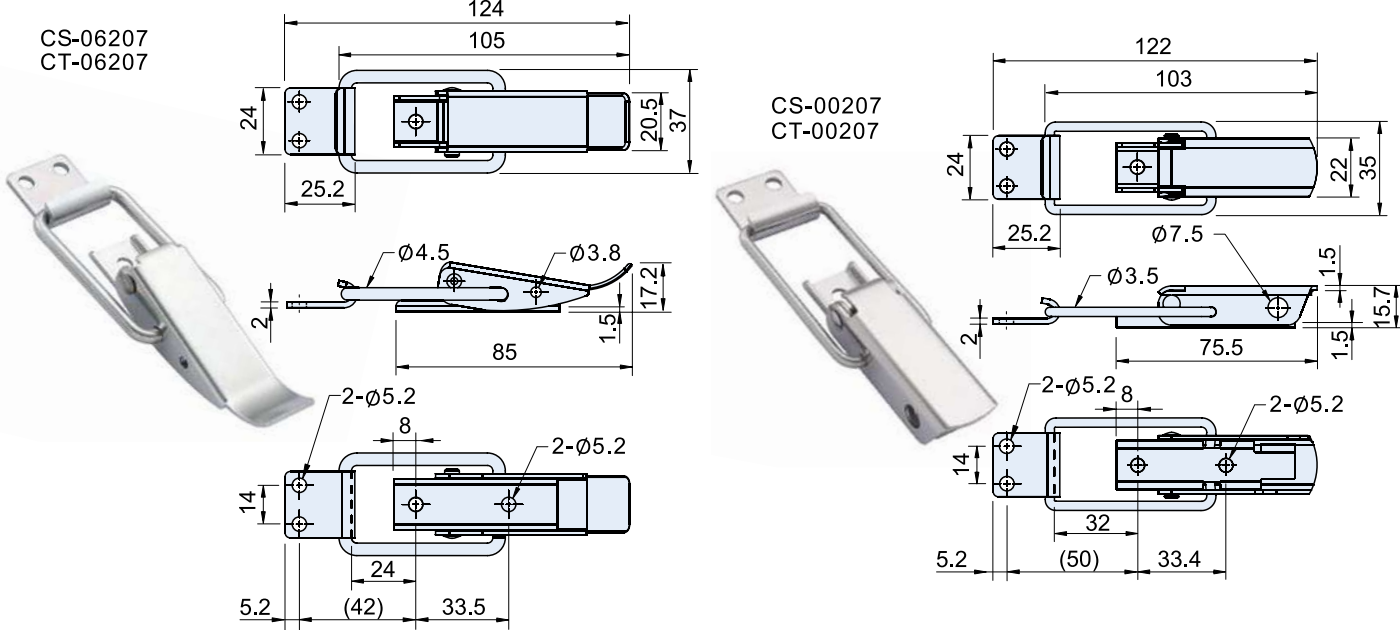
- 特徴**
- 鉤環能依螺牙正反轉，調整適當鬆緊迫緊物件。
 - CT-02221-W-1採用尼龍圈固定鉤體。
- FEATURES**
- Adjustable latch rod, user can adjust the suitable compression force.
 - CT-02221-W-1 uses nylon ring to fix the adjustable latch rod.

SPECIFICATION: Unit: mm				
產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load Capacity (kgf)	重量 Weight (kg)
CT-02221-W-1	SPCC	鍍鋅 Zinc plated	40	72.3

CS-06207 CT-06207 線環搭扣 Line Latch



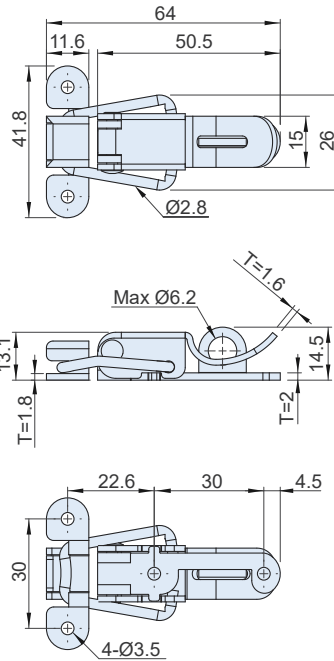
CS-00207 CT-00207 線環搭扣 Line Latch



SPECIFICATIONS: Unit:mm				
產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load capacity (kg)	重量 Weight(g)
CS-06207	SUS304	震動亮面 Vibration ground	0.6mm=70kg	69.2
CT-06207	SPCC	鍍鋅 Zinc plated	0.6mm=60kg	70

SPECIFICATIONS: Unit:mm				
產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load capacity (kg)	重量 Weight(g)
CS-00207	SUS304	震動亮面 Vibration ground	0.6mm=70kg	70.8
CT-00207	SPCC	鍍鋅 Zinc plated	0.6mm=60kg	71.6

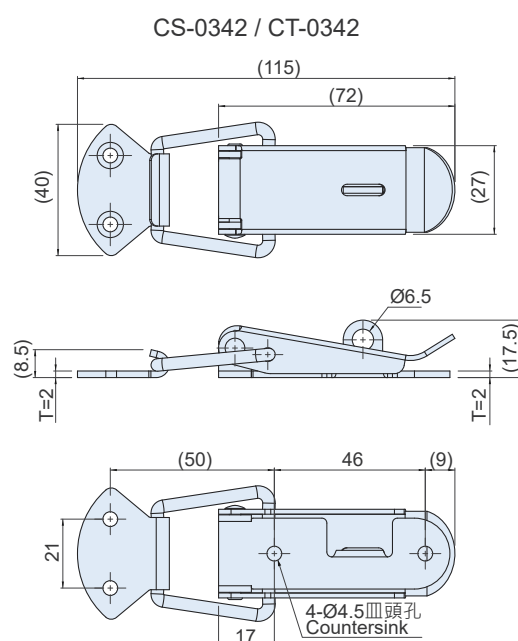
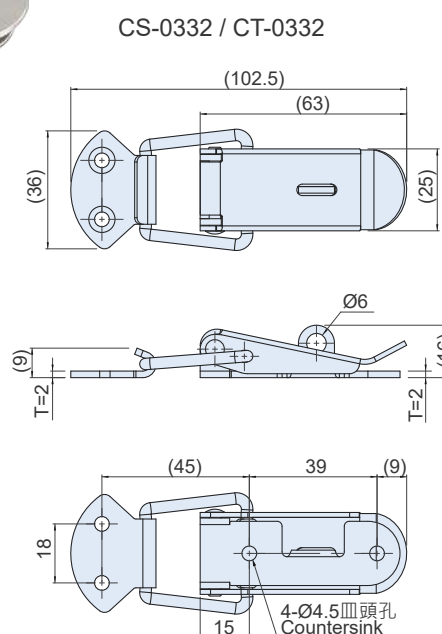
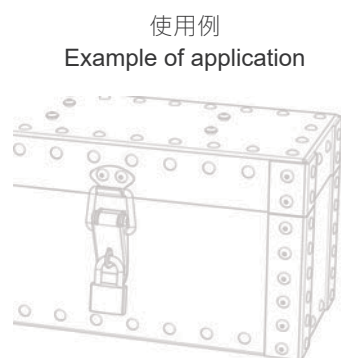
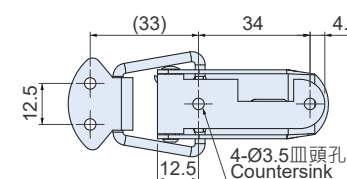
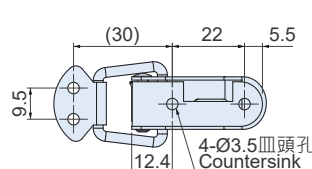
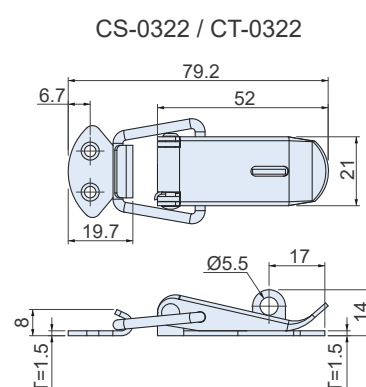
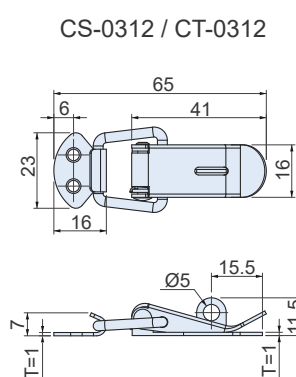
CS-0410 CT-0410 CT-0411 線環搭扣 Line Latch



- 特徴**
- 線環特殊設計，經久不鬆脫
 - 可用銅掛鎖阻絕彈開可能性及增加安全性。
 - 適合中小型箱蓋使用

- FEATURES**
- The durable design of the wire loop prevents it from loosening after a long time use.
 - Standard lock-hole available padlocks to prevent from the accident.
 - Applicable to small and medium-sized box cover.

SPECIFICATION: Unit:mm					
產品編號 Item No.	材質 Material	表面處理 Finish	樣式區分 Type	引張荷重 Load Capacity	重量 Weight(g)
CS-0410	SUS304	震動亮面 Vibration ground	有孔固定式 Screw-on/Rivet-on	30	36.8
CT-0410	SPCC	鍍鋅 Zinc Plated	有孔固定式 Screw-on/Rivet-on	20	
CT-0411	SPCC	材料本質 Natural	無孔焊接式 Weld-on		



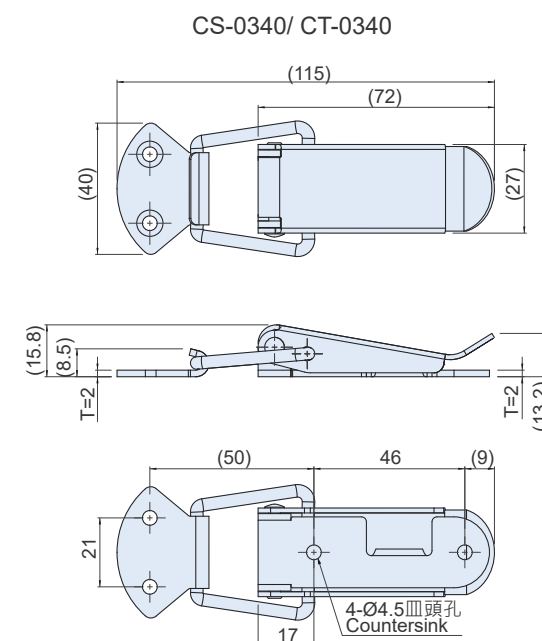
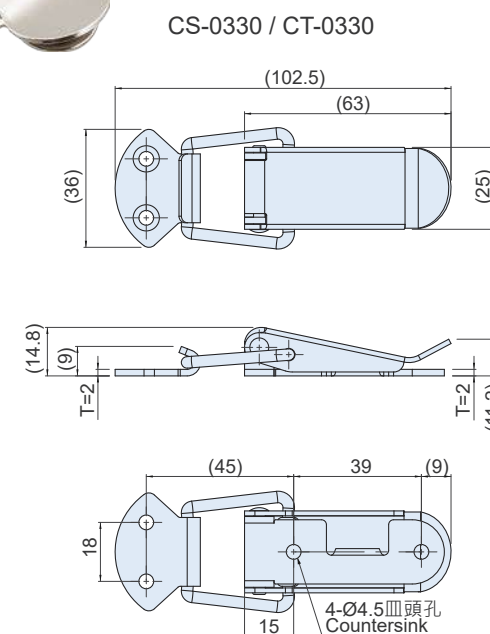
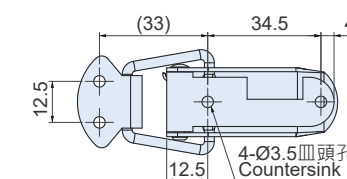
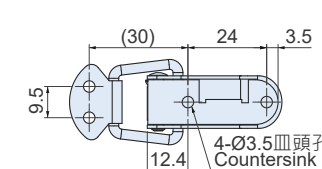
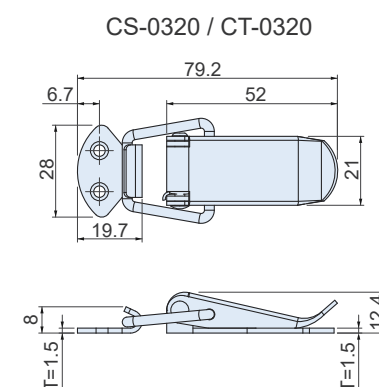
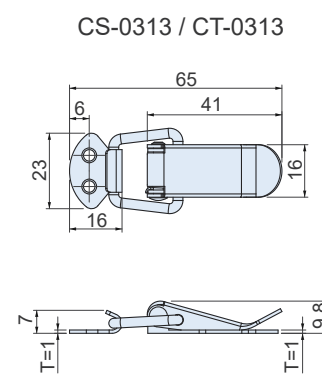
特徴

- 線環可以隨著掀把帶動而脫離勾座
- 掀把回彈結構可避免設備震動而被彈開，適合用於震動設備、運輸車輛
- 內附彈簧，掀把開啟後會自動彈回，預防工安產生。
- 底座限位設計，避免掀把彈回後壓傷物件表面。
- 線環特殊設計，經久不鬆脫。

FEATURES

- The wire loop can be detached from the keeper(hook) with the lever.
- The lever's rebound structure can prevent the lever from being popped open due to equipment vibrations, making it suitable for vibrating equipment and transport vehicles.
- Inside added spring, the lever will be back mildly and automatically when it is open, and prevent from the accident.
- The stop design of the base prevents the surface of the object (lever portion) from being crushed by the springback.
- The durable design of the wire loop prevents it from loosening after a long time use.

SPECIFICATION:				Unit:mm	
產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load Capacity(kgf)	重量 Weight(g)	
CS-0312	SUS304	震動亮面 Vibration ground	10	18	
CT-0312	SPCC	鍍鎳 Nickel plated			
CS-0322	SUS304	震動亮面 Vibration ground	15	36	
CT-0322	SPCC	鍍鎳 Nickel plated			
CS-0332	SUS304	震動亮面 Vibration ground	20	67	
CT-0332	SPCC	鍍鎳 Nickel plated			
CS-0342	SUS304	震動亮面 Vibration ground	25	83.9	
CT-0342	SPCC	鍍鎳 Nickel plated			



特徴

- 線環可以隨著掀把帶動而脫離勾座
- 掀把回彈結構可避免設備震動而被彈開，適合用於震動設備、運輸車輛
- 內附彈簧，掀把開啟後會自動彈回，預防工安產生。
- 底座限位設計，避免掀把彈回後壓傷物件表面。
- 線環特殊設計，環久不鬆脫。

FEATURES

- The wire loop can be detached from the keeper(hook) with the lever.
- The lever's rebound structure can prevent the lever from being popped open due to equipment vibrations, making it suitable for vibrating equipment and transport vehicles.
- Inside added spring, the lever will be back mildly and automatically when it is open, and prevent from the accident.
- The stop design of the base prevents the surface of the object (lever portion) from being crushed by the springback.
- The durable design of the wire loop prevents it from loosening after a long time use.

SPECIFICATION:				Unit:mm	
產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load Capacity(kgf)	重量 Weight(g)	
CS-0313	SUS304	震動亮面 Vibration ground	10	17.6	
CT-0313	SPCC	鍍鎳 Nickel plated			
CS-0320	SUS304	震動亮面 Vibration ground	15	35.6	
CT-0320	SPCC	鍍鎳 Nickel plated			
CS-0330	SUS304	震動亮面 Vibration ground	20	66.6	
CT-0330	SPCC	鍍鎳 Nickel plated			
CS-0340	SUS304	震動亮面 Vibration ground	25	83.1	
CT-0340	SPCC	鍍鎳 Nickel plated			

CS-66
C-66

線環搭扣 Line Latch

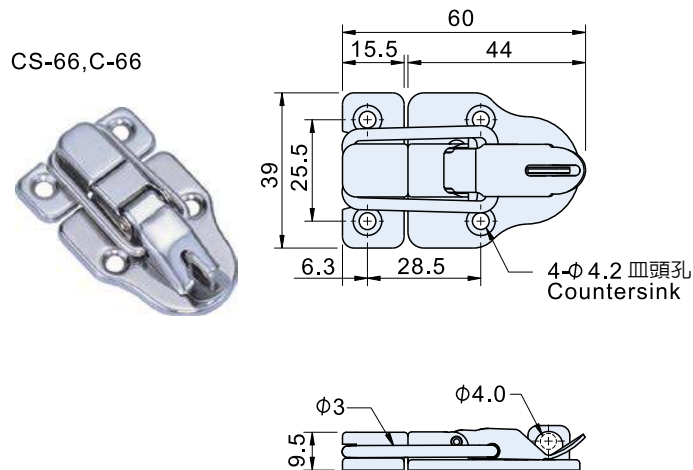


CS-67
C-67

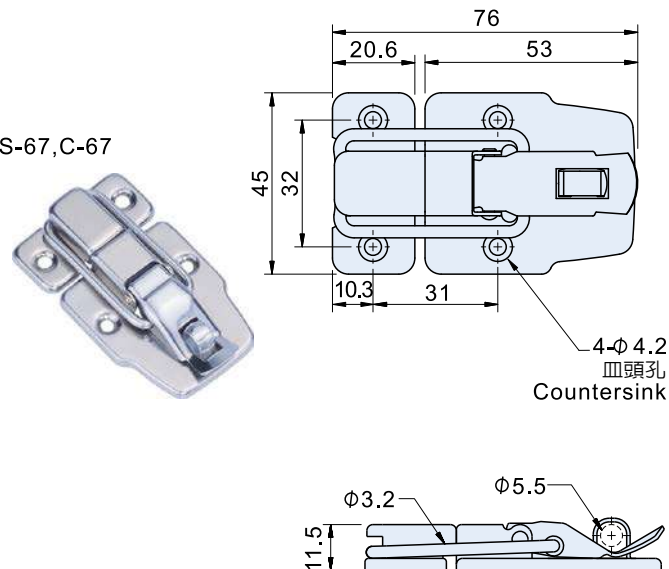
線環搭扣 Line Latch



CS-66,C-66



CS-67,C-67



SPECIFICATIONS:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	T	引張荷重 Load capacity (kg)	重量 Weight (g)
CS-66	SUS430	震動亮面 Vibration ground	0.7	20	23
C-66	SPCC	鍍 鎳 Nickel plated	0.9		29

SPECIFICATIONS:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	T	引張荷重 Load capacity (kg)	重量 Weight (g)
CS-67	SUS430	震動亮面 Vibration ground	0.9	30	35
C-67	SPCC	鍍 鎳 Nickel plated			43

C-121

線環搭扣 Line Latch

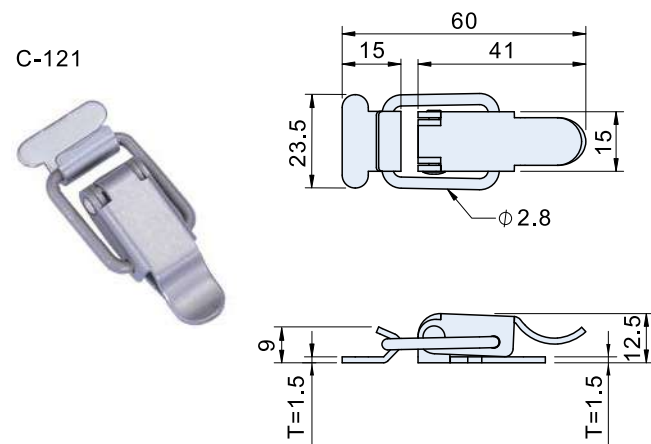


C-131

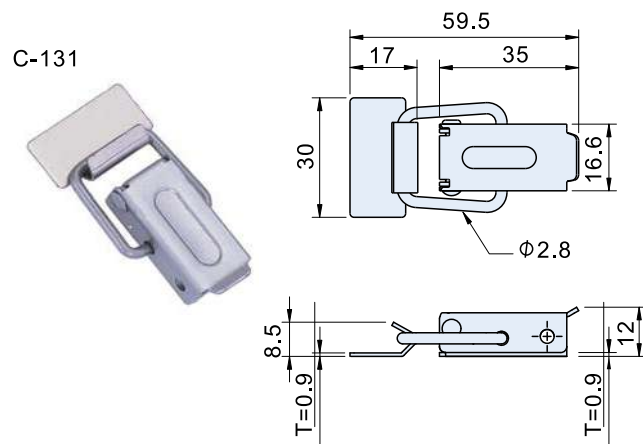
線環搭扣 Line Latch



C-121



C-131



特徵

- 扣緊時有凸點固定住。
- 點焊式。

FEATURES

- Built-in holding point provides extra holding force when latching.
- Weld-on Type.

SPECIFICATIONS:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)
C-121	SPCC	材料本質 Natural	25

SPECIFICATIONS:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load capacity (kg)	重量 Weight(g)
C-131	SPCC	材料本質 Natural	25	22

CS-340 C-341
C-340

線環搭扣 Line Latch

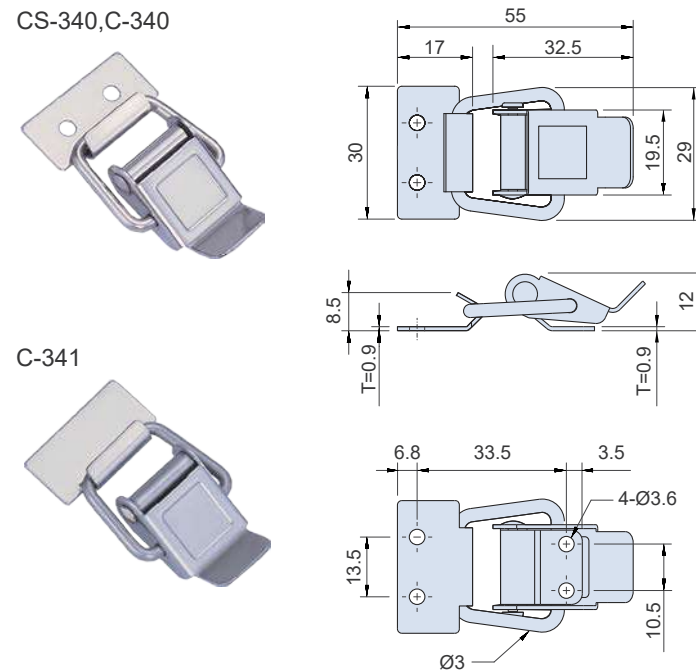


C-0511

線環搭扣 Line Latch



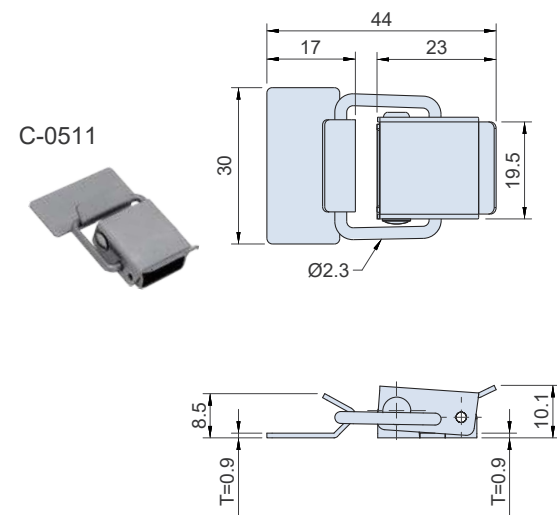
CS-340,C-340



C-341



C-0511



SPECIFICATIONS:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	樣式區分 Type	引張荷重 Load Capacity (kgf)	重量 Weight (g)
C-340	SPCC	鍍 鎳 Nickel plated	有孔固定式 Screw-on/Rivet-on	18	18.8
CS-340	SUS304	震動亮面 Vibration ground	有孔固定式 Screw-on/Rivet-on	20	18.6
C-341	SPCC	材料本質 Natural	無孔焊接式 Weld-on	18	19

特徵

- 扣緊時有凸點固定住

FEATURES

- Built-in holding point provides extra holding force when latching.

SPECIFICATION:

Unit: mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)
C-0511	SPCC	材料本質 Natural	15.4

C-32

線環搭扣 Line Latch

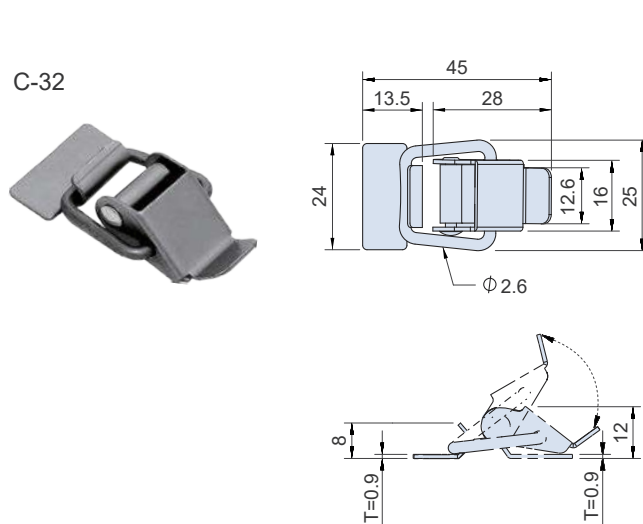


C-4112

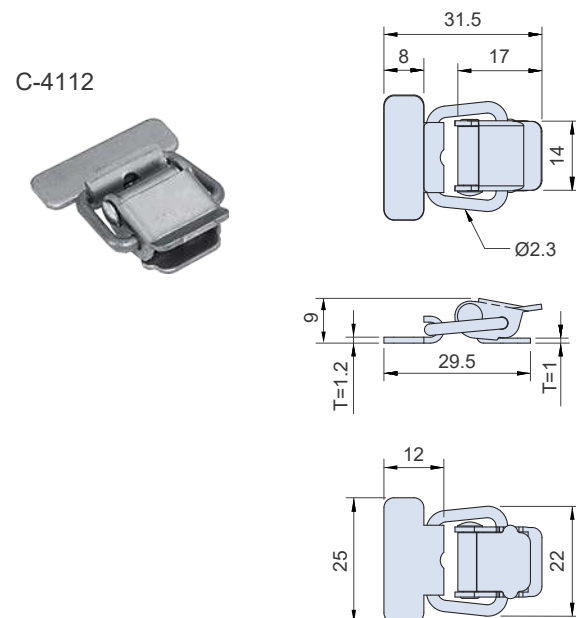
線環搭扣 Line Latch



C-32



C-4112



SPECIFICATION:

Unit: mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)
C-32	SPCC	材料本質 Natural	13

SPECIFICATION:

Unit: mm

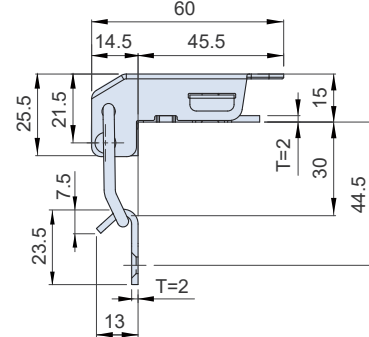
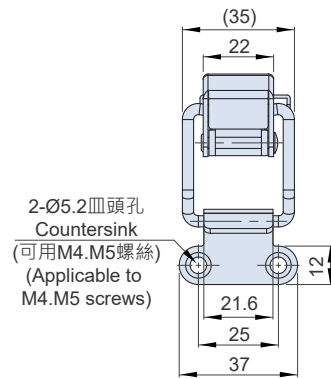
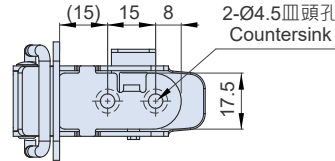
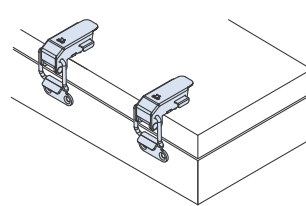
產品編號 Item No.	材質 Material	表面處理 Finish	引張荷重 Load Capacity (kgf)	重量 Weight (g)
C-4112	SPCC	材料本質 Natural	15	8.8

CS-3610

轉角線環搭扣 Line Latch (Corner Snap Latch)

SUS304

RoHS

使用例
Example of application

特徵

- 輔助鎖扣提供防護，避免嚴重震動彈開。
- 90度門鎖，安裝於箱體轉角以閉合門板。
- 作動說明：將鎖扣鈕向本體壓，並抬起掀把即可開啟，關閉時只需向內壓，鎖扣鈕會自動關閉。

FEATURES

- Make use of assistance latches and locks to do an additional protection, avoid seriously vibrating suddenly opened.
- 90-degree door lock, installed at the corners of the box to close the door panel.
- Operating Instructions: Press the latch button towards the body and lift the handle to open. To close, simply press inward, and the latch button will automatically close.

SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)
CS-3610	SUS304	震動亮面 Vibration ground	73

C-6510

掀把搭扣 Lift-and-Raise Latch

RoHS

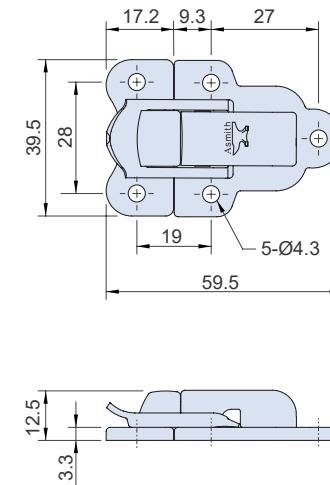
C-1510

掀把搭扣 Lift-and-Raise Latch

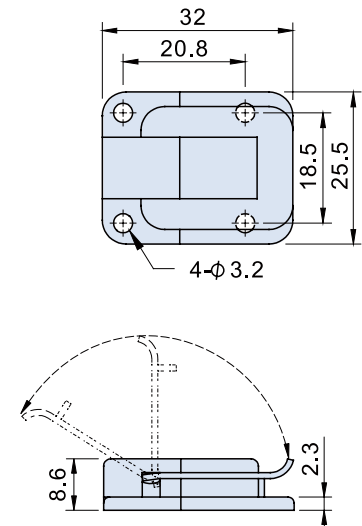
RoHS



C-6510



C-1510



SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)	備註 Remark
C-1510	SPCC	鍍鎳 Nickel plated	12.4	訂製品 Made to order
CS-1510	SUS304	震動亮面 Vibration ground	12.4	

訂製：可訂製不銹鋼SUS304材質，MOQ10000
Customization: Available in stainless steel SUS304, MOQ 10,000 pcs.

SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)
C-6510	SPCC	鍍鎳 Nickel plated	31

C-40

線環搭扣 Line Latch

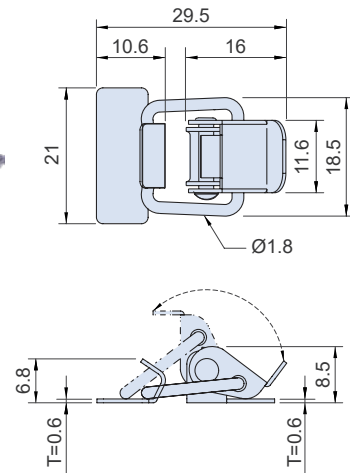
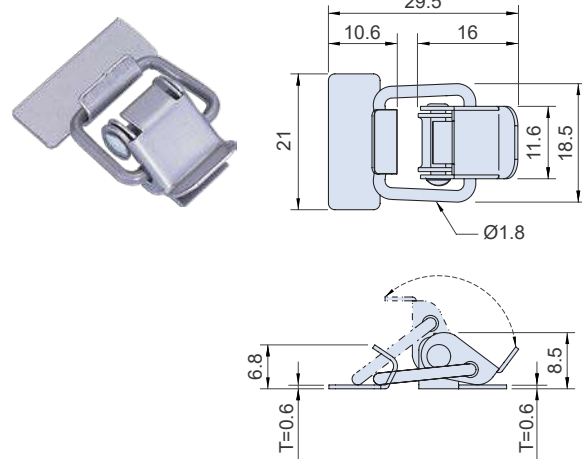
RoHS

C-24

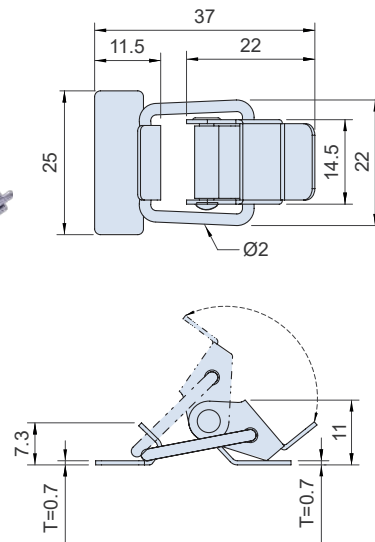
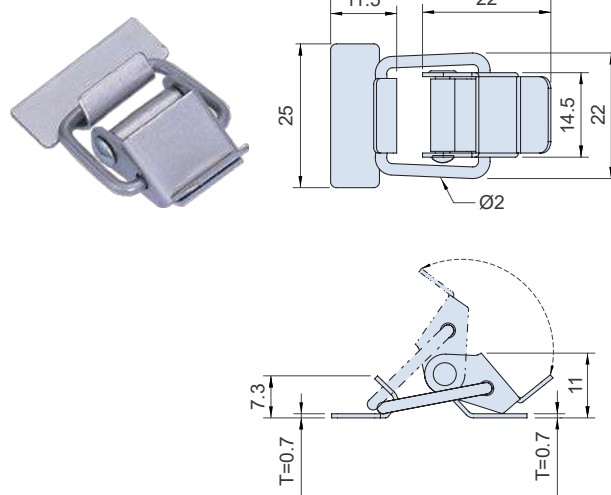
線環搭扣 Line Latch

RoHS

C-40



C-24



SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)
C-40	SPCC	材料本質 Natural	4.5

SPECIFICATION:

Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)
C-24	SPCC	材料本質 Natural	8

C-1621

掀把搭扣 Lift-and-Raise Latch

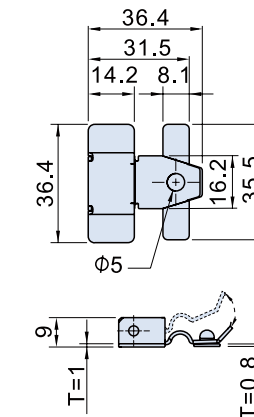
RoHS

C-191

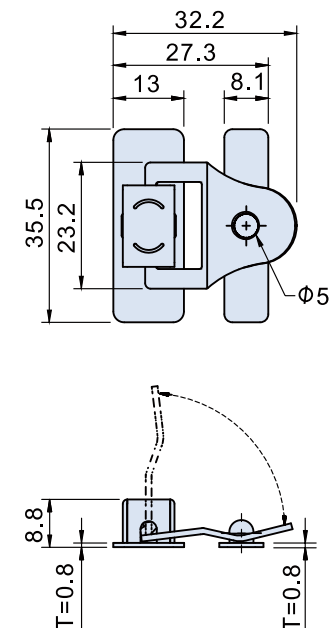
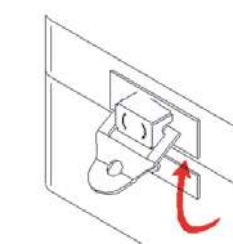
掀把搭扣 Lift-and-Raise Latch

RoHS

C-1621



C-191

使用例
Example of application

SPECIFICATION:

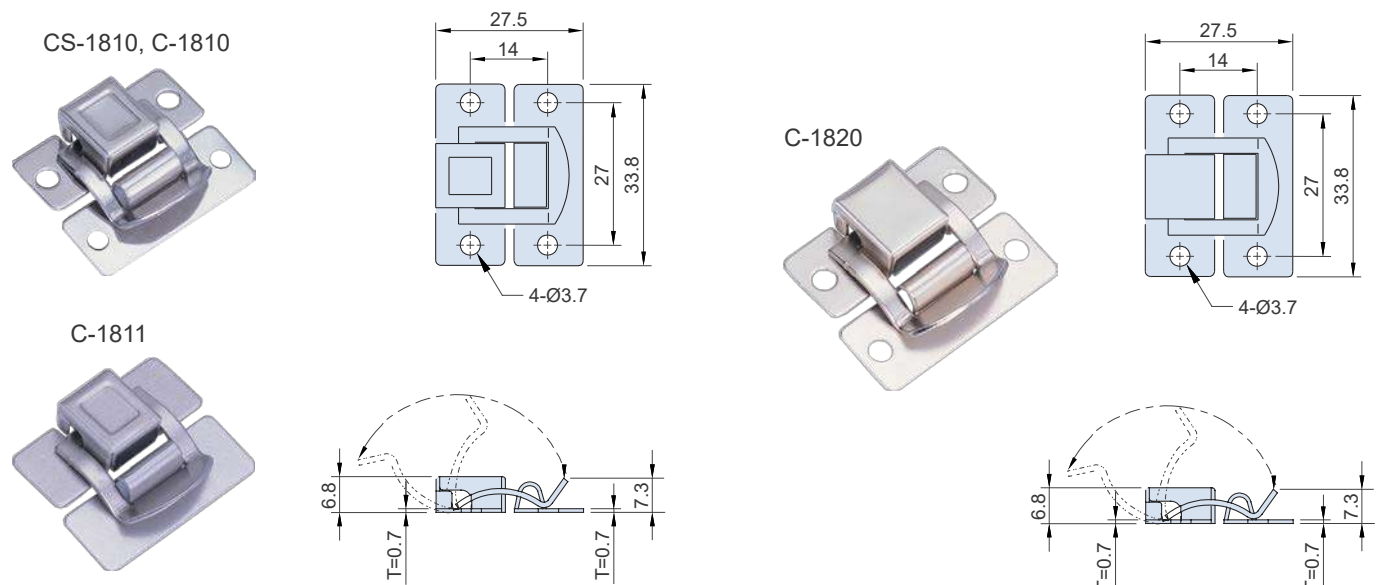
Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)
C-1621	SPCC	材料本質 Natural	15

SPECIFICATION:

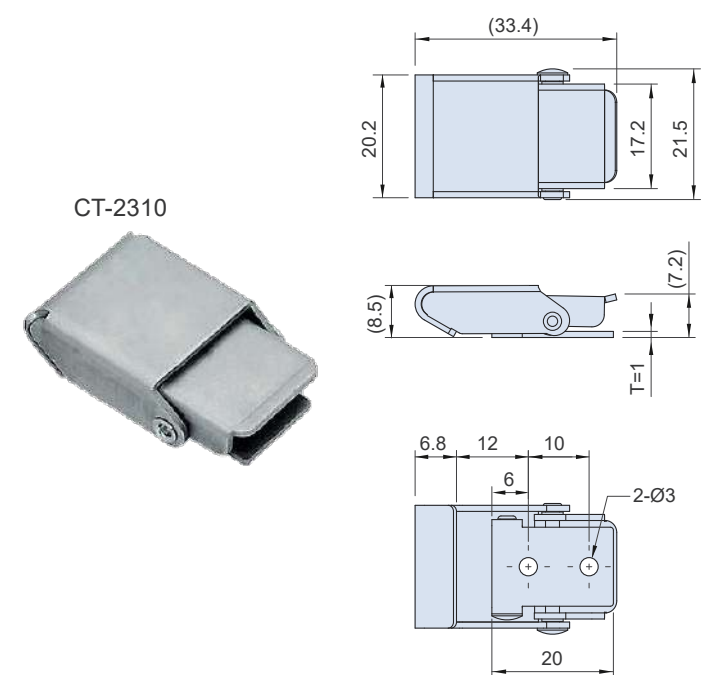
Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)
C-191	SPCC	材料本質 Natural	9



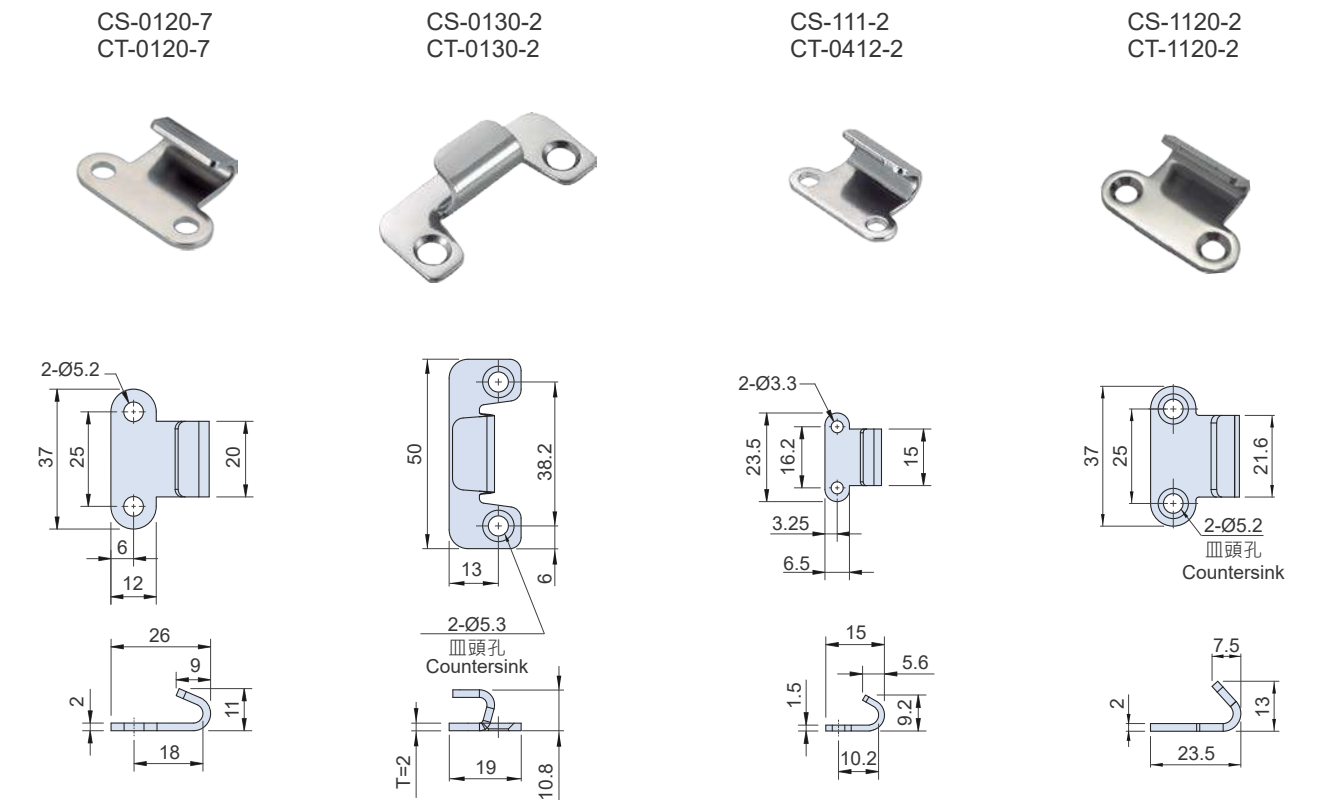
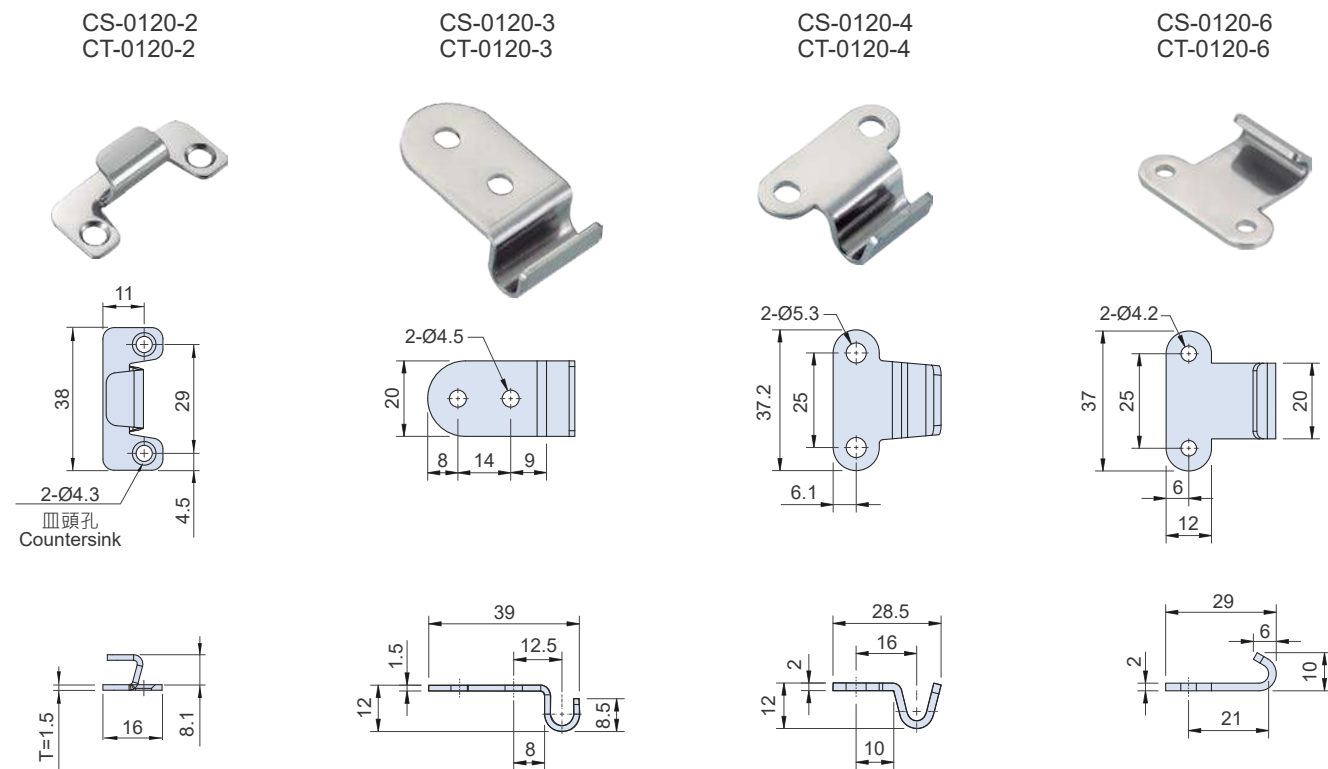
SPECIFICATIONS:					Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	樣式區分 Type	重量 Weight (g)	
CS-1810	SUS304	震動亮面 Vibration ground	有孔固定式 Screw-on/Rivet-on	8.8	
C-1810	SPCC	鍍鎳 Nickel plated	有孔固定式 Screw-on/Rivet-on	8.8	
C-1811	SPCC	材料本質 Natural	無孔焊接式 Weld-on	9	

SPECIFICATION:					Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight (g)		
C-1820	SPCC	鍍鎳 Nickel plated	8		



SPECIFICATION:					Unit:mm
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)		
CT-2310	SPCC	材料本質 Natural	13.5		

選配鉤座 *Applicable Latch Keepers*



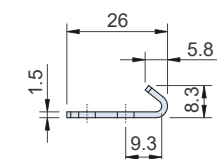
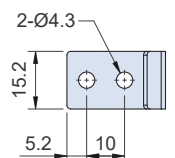
材質與表面處理

- CS系列：不銹鋼(SUS304) · 震動亮面。
- CT系列：鐵(SPCC) · 鍍鋅

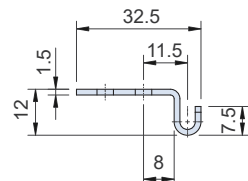
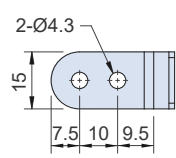
MATERIAL AND FINISH

- CS Series: Stainless steel (SUS304), Vibration ground.
- CT Series: Steel (SPCC), Zinc plated.

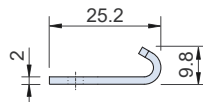
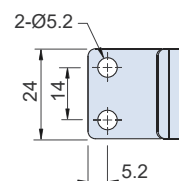
CS-22-2
CT-22-2



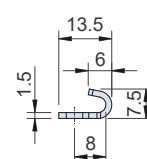
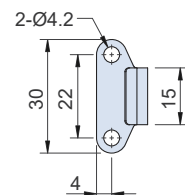
CS-22-3
CT-22-3



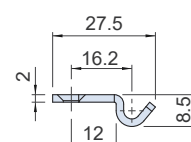
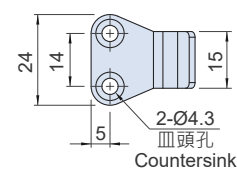
CS-00207-2
CT-00207-2



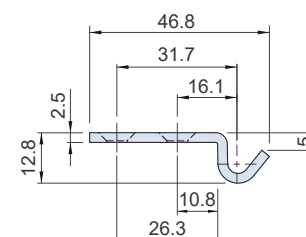
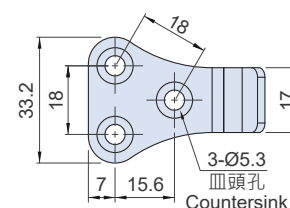
CS-27100-2
CT-27100-2



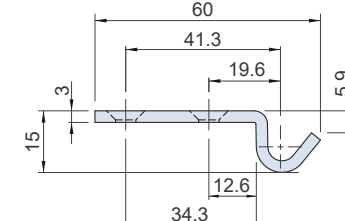
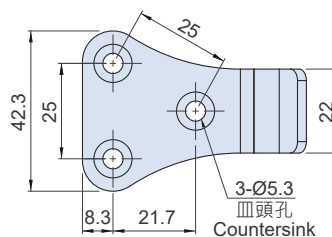
CS-0210-3



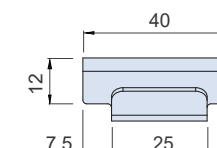
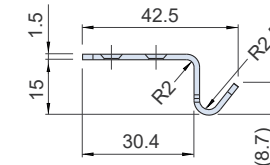
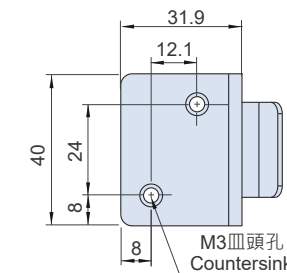
CS-0220-3



CS-0230-3



CS-21100-W-2



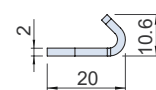
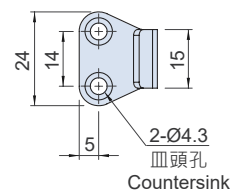
材質與表面處理

- CS系列：不銹鋼(SUS304)，震動亮面。
- CT系列：鐵(SPCC)，鍍鋅

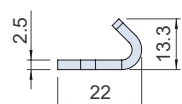
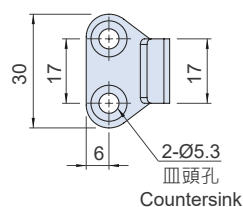
MATERIAL AND FINISH

- CS Series: Stainless steel (SUS304), Vibration ground.
- CT Series: Steel (SPCC), Zinc plated.

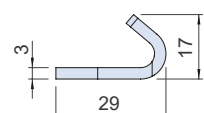
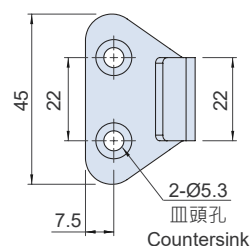
CS-0210-2
CT-0210-2



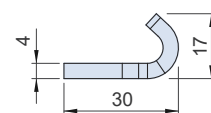
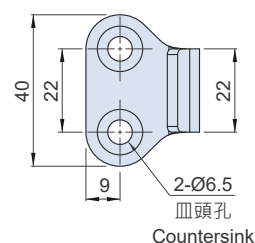
CS-0220-2
CT-0220-2



CS-0230-2
CT-0230-2



CS-0240-2
CT-0240-2



材質與表面處理

- CS系列：不銹鋼(SUS304)，震動亮面。
- CT系列：鐵(SPCC)，鍍鋅
- CT-0240-2：鐵(SPHC)，鍍鋅

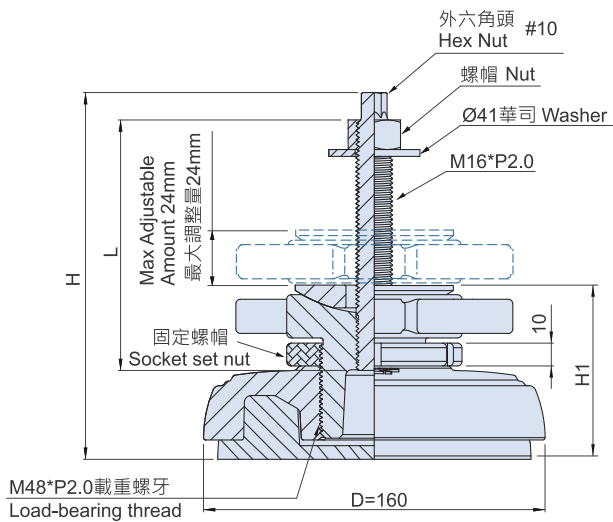
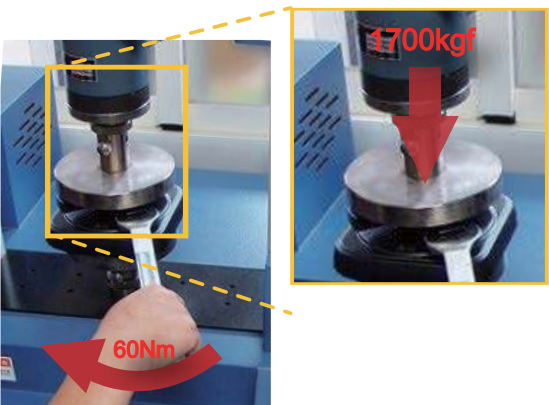
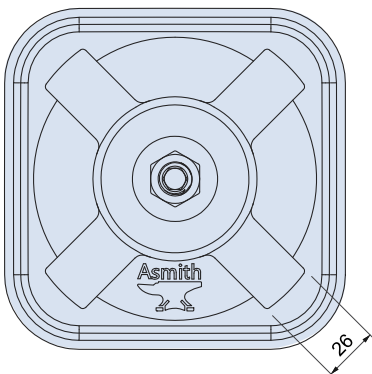
MATERIAL AND FINISH

- CS Series: Stainless steel (SUS304), Vibration ground.
- CT Series: Steel (SPCC), Zinc plated.
- CT-0240-2: Steel (SPHC), Zinc plated.

DK-0716110U



單支荷重 1700Kgf
Load Capacity 1700Kgf / each



材質與表面處理

- 盤座：FC-250 粉體烤漆(砂黑)
- 螺桿：S45C 熱處理及磷酸鹽
- 盤墊：CR 合成橡膠(黑)
- 固定螺帽：FCD45 粉體烤漆(砂黑)

特徵

- 高度與水平調整：在1700kgf 負荷情況下，仍可使用開口板手施力60Nm旋轉十字調整盤座，輕鬆調整高度與水平。(如上圖所示)
- 自動水平導正：當地面傾斜或不平整時，腳座可自動導正水平角度，使盤座面完整貼合地面，有效提升機械安裝穩定性與運轉精度。
- 防震性能：有效吸收機械運轉所產生之震動，避免共振與引震現象，顯著降低噪音，改善作業環境並提升設備壽命與精度。
- 防滑與耐用性：具備防滑、防震、耐磨損、耐油性。
- 防火等級：腳座材料符合UL94 V0防火等級標準。
- 固定螺帽設計：可選配固定螺帽。建議在高震動環境中使用，以防止調整盤座因振動鬆動，確保長時間穩定運作。

MATERIAL AND FINISH

- Base: FC-250 Powder coating (Black)
- Bolt: S45C with heat treatment and coating with Manganese phosphate
- Cushion: Chloroprene Rubber (Black)
- Socket Set Nut: FCD45 Powder coating (Black)

FEATURES

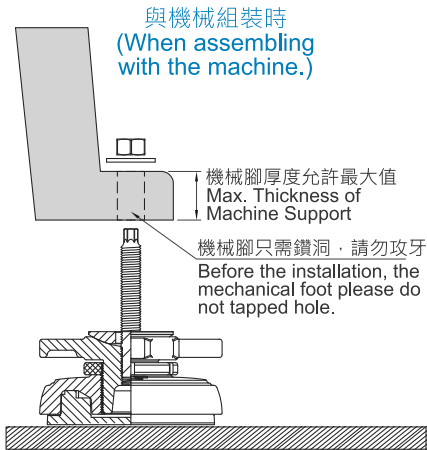
- Height & Level Adjustment: With 1700 kgf load, apply 60 Nm torque to the cross handle with an open-end wrench to adjust height and level easily. (Please refer to the photo above.)
- Auto Horizontal Correction: When the floor is uneven, leveling feet automatically adjust the horizontal angle to ensure full contact, improving installation stability and machine precision.
- Vibration Control: Effectively absorbs vibration to prevent resonance and transmission, reducing noise, improving the work environment, and extending equipment life.
- Slip and Wear Resistance: Resistant to shock, slip, abrasion, and greasiness.
- Fire Rating: Leveling feet meet UL94 V0 fire resistance standard.
- Socket Set Nut Option: Optional socket set nut. Recommended for high-vibration environments to prevent loosening and ensure long-term stability.

SPECIFICATION:

形式 Type	產品編號 Item no.	尺寸 Dimensions				機械腳厚度允許最大值 Max. Thickness of Machine Support	最大調整量 Max. Adjustable Amount	荷重 Load Capacity (kgf)	重量 Weight (kg)
		D	L	H	H1				
含固定螺帽 With socket set nut	DK-0715110U	160	110	161	75	55	24	1700	4.8
	DK-0715200U		200	251	75	145			4.9
不含固定螺帽 Without socket set nut	DK-0716110U		110	151	65	55			4.6
	DK-0716200U		200	241	65	145			4.7

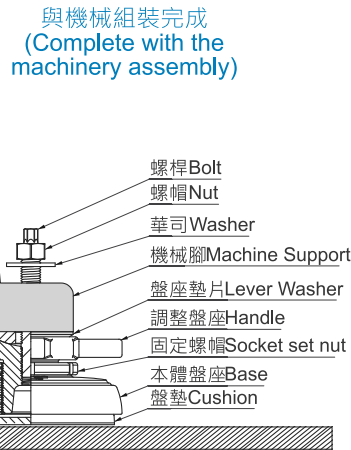
※Note : Before the installation, the mechanical foot please do not tapped hole.

※注意事項：安裝前，機械腳請勿攻牙。



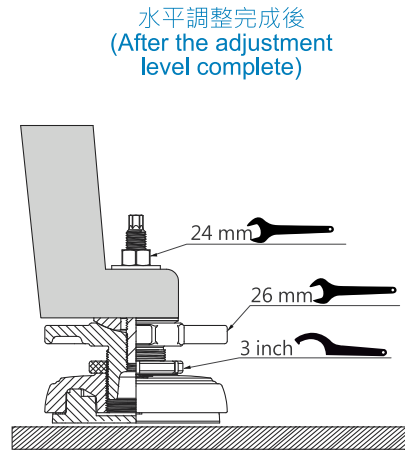
使用說明

- 將盤座墊片放在腳座上，再將機械緩緩降下。(安裝前，機械腳只需鑽洞，請勿攻牙。)
- 螺桿由上側穿過機械腳及盤座墊片鎖入調整盤座中，再由上放入華司和螺帽。
- 用26mm開口扳手轉動調整盤座，調整出機械適當的高度及水平。
- 完成後將上方華司和螺帽鎖緊。



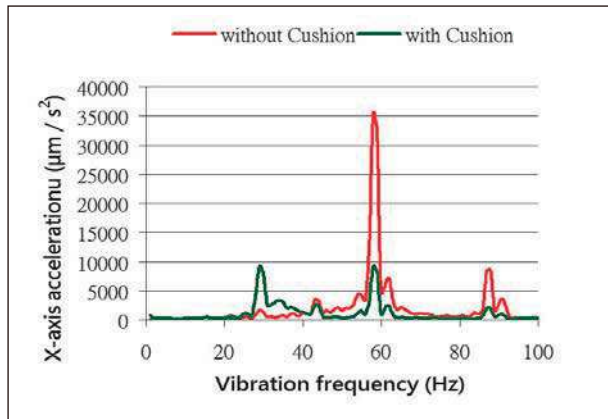
User Manual

- Place the level washer on the glide then lower down machine slowly. (Before the installation, the mechanical foot please do not tapped hole.)
- Insert the bolt through the machine into the glide then place the nut and washer from the top.
- To adjust machine to its height with the handle by the wrench(26mm).
- To tie the nut and washer when the adjustment is done accurately.

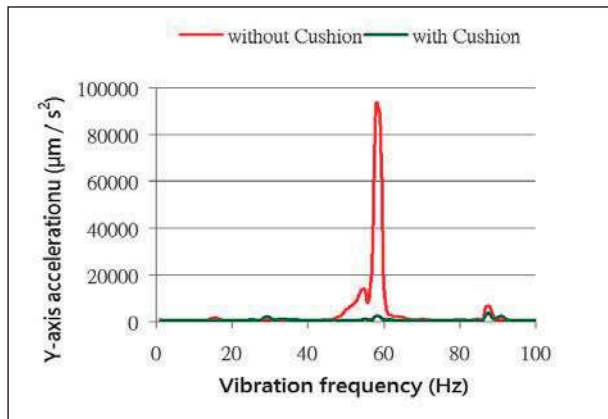


《測試結果 · RESULT》

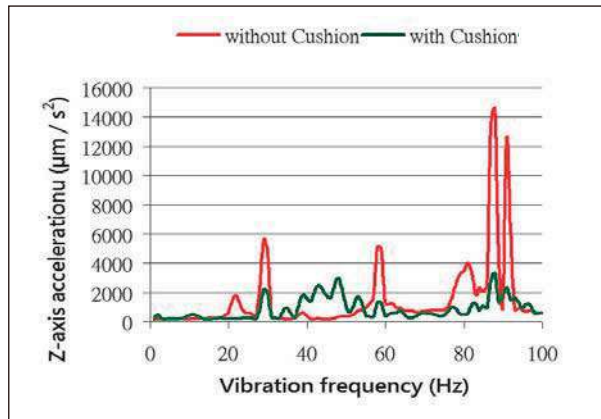
- 為隔振前(無隔振腳墊) Before the Vibration isolation (without Cushion)
 - 為隔振後(有隔振腳墊) After the Vibration isolation (with Cushion)
1. X方向隔振前(無隔振腳墊)與隔振後(有隔振腳墊)之加速度
1. X direction before the Vibration isolation (without Cushion) and after the Vibration isolation (with Cushion) of the acceleration.



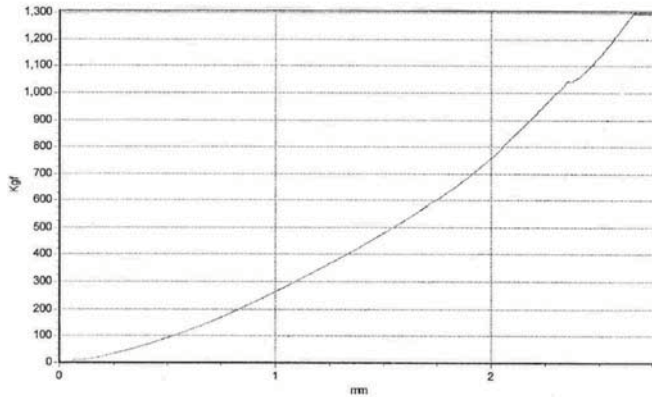
2. Y方向隔振前(無隔振腳墊)與隔振後(有隔振腳墊)之加速度
2. Y direction before the Vibration isolation (without Cushion) and after the Vibration isolation (with Cushion) of the acceleration.

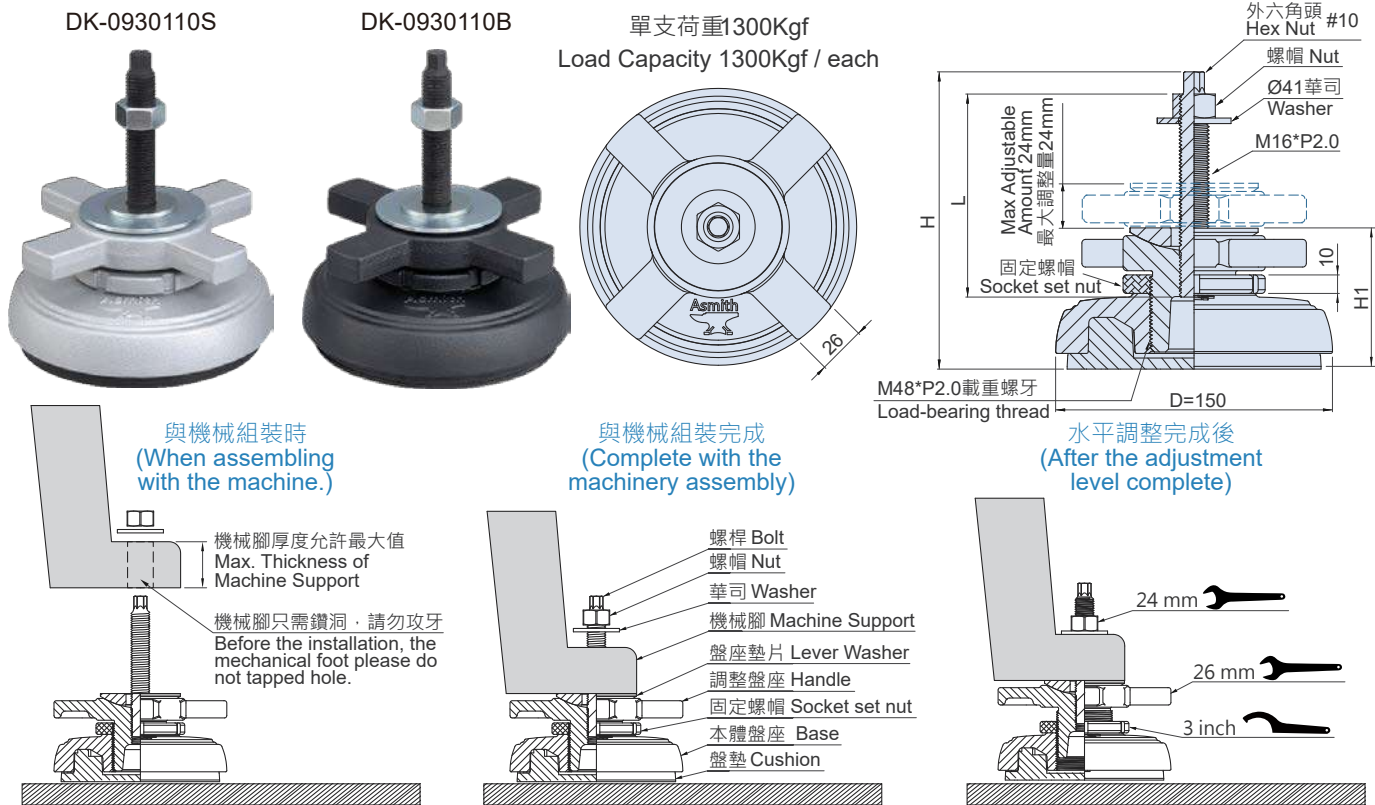


3. Z方向隔振前(無隔振腳墊)與隔振後(有隔振腳墊)之加速度
3. Z direction before the Vibration isolation (without Cushion) and after the Vibration isolation (with Cushion) of the acceleration.



測試結果 RESULT	最大荷重(Kgf) Max. Load Capacity	最大位移(mm) Max. Shift
	1307.57	2.692





使用說明

- 將盤座墊片放在腳座上，再將機械緩緩降下。(安裝前，機械腳只需鑽洞，請勿攻牙。)
- 螺桿由上側穿過機械腳及盤座墊片鎖入調整盤座中，再由上放入華司和螺帽。
- 用26mm開口扳手轉動調整盤座，調整出機械適當的高度及水平。
- 完成後將上方華司和螺帽鎖緊。
- 透過3吋鉤型扳手將調整盤座下的固定螺帽向下鎖緊，即完成安裝。

材質與表面處理

- 盤座：FC-250 粉體烤漆(砂黑、砂銀)
- 螺桿：S45C 熱處理及磷酸鋅
- 盤墊：CR 合成橡膠(黑)
- 固定螺帽：FCD45 粉體烤漆(砂黑、砂銀)

特徵

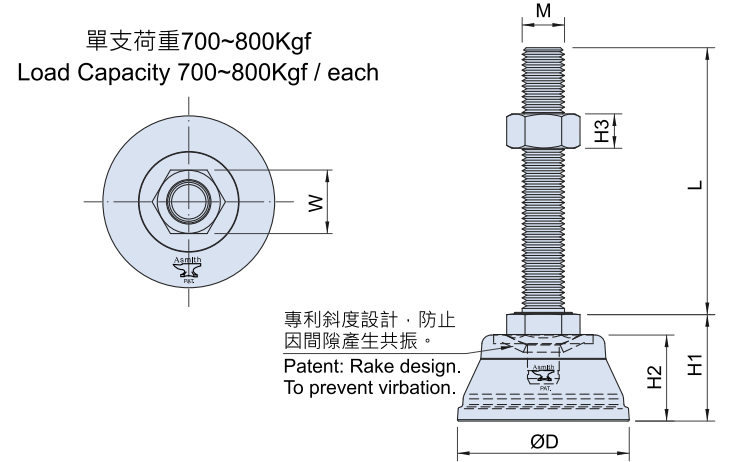
- 高度與水平調整：在1300kgf 負荷情況下，仍可使用開口板手施力60Nm旋轉十字調整盤座，輕鬆調整高度與水平。(如上圖所示)
- 自動水平導正：當地面傾斜或不平整時，腳座可自動導正水平角度，使盤墊面完整貼合地面，有效提升機械安裝穩定性與運轉精度。
- 防震性能：有效吸收機械運轉所產生之震動，避免共振與引震現象，顯著降低噪音，改善作業環境並提升設備壽命與精度。
- 防滑與耐用性：具備防滑、防震、耐磨損、耐油性。
- 防火等級：腳座材料符合UL94 V0防火等級標準。
- 固定螺帽設計：可選配固定螺帽。建議在高震動環境中使用，以防止調整盤座因振動鬆動，確保長時間穩定運作。

SPECIFICATION:

形式 Type	產品編號 Item no.	顏色 Color	尺寸 Dimensions				機械腳厚度允許最大值 Max. Thickness of Machine Support	最大調整量 Max. Adjustable Amount	荷重 Load Capacity (kgf)	重量 Weight (kg)
			D	L	H	H1				
含固定螺帽 With socket set nut	DK-0930110	B(黑 Black) S(銀 Silver)	150	110	161	75	55	24	1300	3.8
	DK-0930200			200	251		145			3.9
不含固定螺帽 Without socket set nut	DK-0931110			110	151	65	55			3.6
	DK-0931200			200	241		145			3.7

※Note : Before the installation, the mechanical foot please do not tapped hole.

※注意事項：安裝前，機械腳請勿攻牙。



材質與表面處理

- 盤座：尼龍(PA66+GF)，黑色。
- 螺桿：DK-01合金鋼(SCM)，鍍鋅。
- DS-01不銹鋼(SUS 304)，電解。
- 盤墊：橡膠(NBR)，耐油、耐鹼、耐熱130°C。

特徵

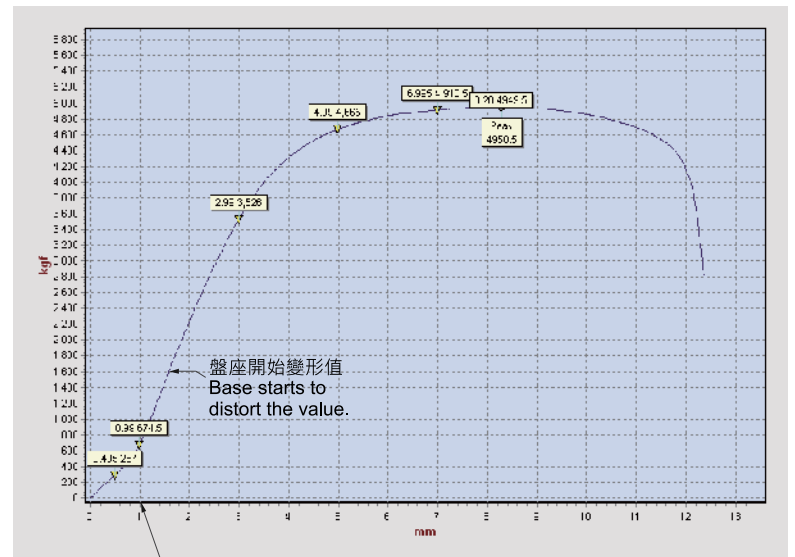
- 螺桿與盤座結合處斜度設計，防止因間隙產生共振。
- 防震、防銹(DS系列)、耐鹼、防滑、耐磨耗、耐油。
- 請勿用於乾燥室環境，以確保其性能和壽命。
- 材料符合UL94 HB防火等級。

MATERIAL AND FINISH

- Base: Nylon(PA66+GF), Black.
- Cushion: Rubber (NBR), Resistance to Greasiness, Alkali, Heat 130°C.
- Bolt: DK-01: Steel (SCM), Zinc plated.
- DS-01: Stainless steel (SUS304), Electro Polishing.

FEATURES

- The rake of bolt's bottom and base's hole design is to prevent vibration while they are assembled.
- Resistance to shock, conductance rust (DS Series), alkali, slip, abrasion and greasiness.
- Do not use in dry indoor environments.
- Use the original raw material compliant with UL94 HB standards.



設定荷重 700kgf 下壓值 1 mm。Ø65 圓腳座荷重測試曲線圖 (不含盤墊)
Suppose the leveling feet was pressuring under load capacity 700 kgf per 1 mm.
The chart shower the leveling feet load capacity of bolt and base dimension Ø65 mm.

SPECIFICATIONS:

型式 Type	產品編號 Item No.		尺寸 Dimensions							荷重 Load Capacity (kgf)	重量 Weight(g)	
	螺桿Bolt (SCM)	螺桿Bolt (SUS304)	M	L	ØD	H1	H2	H3	W		SCM	SUS304
不含盤墊 Without Cushion	DK-0116100F	DS-0116100F	M16*P2.0	100	65	41	32.7	13	24	700	290	292
	DK-0116150F	DS-0116150F		150							355	362
	DK-0120100F	DS-0120100F	M20*P2.5	100		43	36.2	16	30	800	416	417
	DK-0120150F	DS-0120150F		150							516	526
含盤墊 With Cushion	DK-0120200F			200							616	
	DK-0116100FR	DS-0116100FR	M16*P2.0	100	67	44.6	36.2	13	24	700	308	309
	DK-0116150FR	DS-0116150FR		150							373	379
	DK-0120100FR	DS-0120100FR	M20*P2.5	100		46.6	36.2	16	30	800	434	434
	DK-0120150FR	DS-0120150FR		150							534	544
	DK-0120200FR			200							634	

DK-02 Series
DS-02

尼龍防震腳座 Nylon Base Anti-Vibration Leveling Feet



SUS304

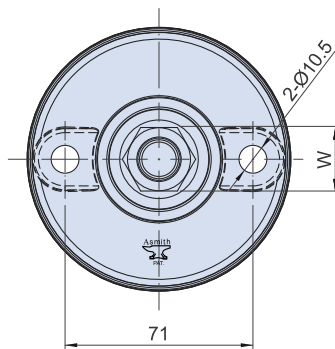


不含盤墊
Without Cushion

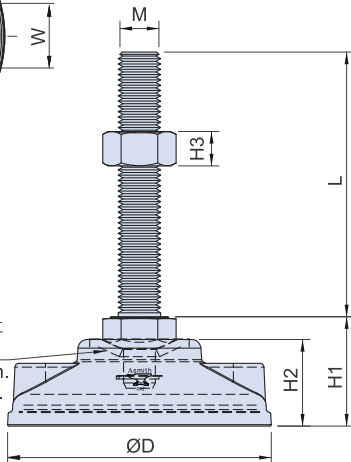


含盤墊
With Cushion

單支荷重700~800Kgf
Load Capacity 700~800Kgf / each



專利斜度設計，防止因間隙產生共振。
Patent: Rake design. To prevent vibration.



材質與表面處理

- 盤座：尼龍(PA66+GF)·黑色。
- 螺桿：DK-02 合金鋼(SCM)，鍍鋅。
DS-02 不銹鋼(SUS304)，電解。
- 盤墊：橡膠(NBR)·耐油、耐鹼、耐熱130°C。

特徵

- 螺桿與盤座結合處斜度設計，防止因間隙產生共振。
- 防震、防銹(DS系列)、耐鹼、防滑、耐磨耗、耐油。
- 請勿用於乾燥室環境，以確保其性能和壽命。
- 材料符合UL94 HB防火等級。

MATERIAL AND FINISH

- Base: Nylon(PA66+GF), Black.
- Cushion: Rubber (NBR), Resistance to Greasiness, Alkali / Heat 130°C.
- Bolt: DK-02: Steel (SCM), Zinc plated.
DS-02: Stainless steel (SUS304), Electro Polishing.

FEATURES

- The rake of bolt's bottom and base's hole design is to prevent vibration while they are assembled.
- Resistance to shock, conductance rust (DS Series), alkali, slip, abrasion and greasiness.
- Do not use in dry indoor environments.
- Use the original raw material compliant with UL94 HB standards.

SPECIFICATIONS:

Unit:mm

型式 Type	產品編號 Item No.		尺寸 Dimensions							荷重 Load Capacity (kgf)	重量 Weight(g)	
	螺桿Bolt (SCM)	螺桿Bolt (SUS304)	M	L	ØD	H1	H2	H3	W		SCM	SUS304
不含盤墊 Without Cushion	DK-0216100N	DS-0216100N	M16*P2.0	100	100	41.3	33	13	24	700	327	338
	DK-0216150N	DS-0216150N		150							445	402
	DK-0220100N	DS-0220100N	M20*P2.5	100	100	43.3	16	30	800	800	459	462
	DK-0220150N	DS-0220150N		150							559	567
	DK-0220200N			200							659	
含盤墊 With Cushion	DK-0216100NR	DS-0216100NR	M16*P2.0	100	102	44.8	13	24	700	700	363	374
	DK-0216150NR	DS-0216150NR		150							481	438
	DK-0220100NR	DS-0220100NR	M20*P2.5	100	102	36.4	16	30	800	800	495	498
	DK-0220150NR	DS-0220150NR		150							595	603
	DK-0220200NR			200							695	

DK-08 Series
DS-08

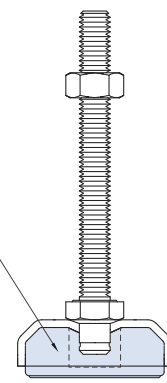
萬向防震腳座 Adjustable Swivel, Anti-Vibration Leveling Feet



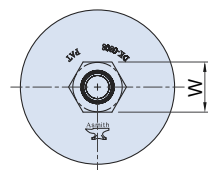
SUS304



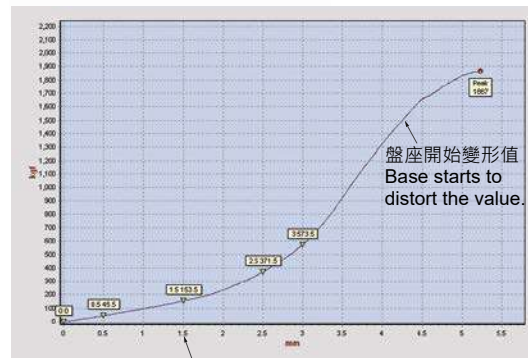
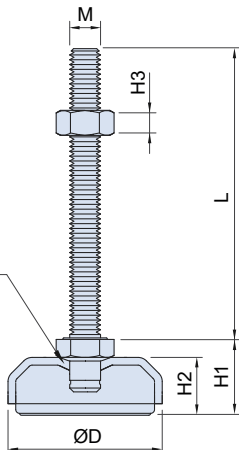
整塊厚實橡膠盤墊
緊密貼合底盤座，
以加強防震效果。
The thick rubber
pad tightly adheres
to the chassis base
to enhance the
shock-absorbing
effect.



單支荷重130~900Kgf
Load Capacity 130~900Kgf / each



螺桿底部專利圓弧設計，
具有4度萬象調整，使設備
自動調整至完全水平。
The patented arc design
of the screw bottom, there are
4-degree swivel adjustment,
which make the machines to
automatically adjust to a fully
level position.



設定荷重 150 kgf 下壓值 1.5 mm · 合金鋼 Ø40圓腳
座荷重測試曲線圖
Suppose the leveling feet was pressuring under
load capacity 150 kgf per 1.5 mm.
The chart shows the leveling feet load capacity of
SCM bolt and base dimension Ø40 mm.

材質與表面處理

- 盤座&螺桿：DK-08 合金鋼(SCM)，鍍鋅。
DS-08 不銹鋼(SUS 304)，電解。
- 盤墊：橡膠(NBR)·耐油、耐鹼、耐熱130°C。

特徵

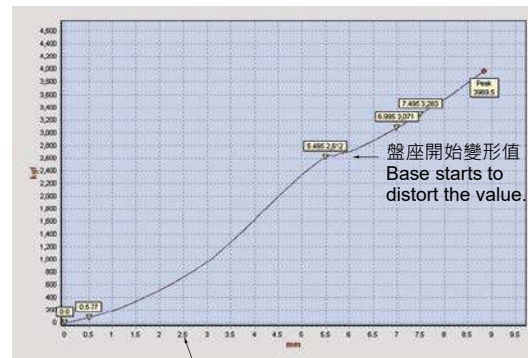
- 螺桿與盤座結合處圓弧設計，提供4°萬向自動調
整，解決角度公差，使機器及設備平穩度更佳。
- 防震、防銹(DS系列)、耐鹼、防滑、耐磨耗、耐
油。
- 材料符合UL94 HB防火等級。

MATERIAL AND FINISH

- Base&Bolt: DK-08: Steel (SCM), Zinc plated.
DS-08: Stainless steel (SUS304),
Electro Polishing.
- Cushion: Rubber (NBR), Resistance to
Greasiness, Alkali / Heat 130°C.

FEATURES

- The curve of bolt's bottom and base's hole
designs is for automatic leveling best.
- Resistance to conductance rust (DS Series),
shock, slip, abrasion and greasiness.
- Use the original raw material compliant with
UL94 HB standards.

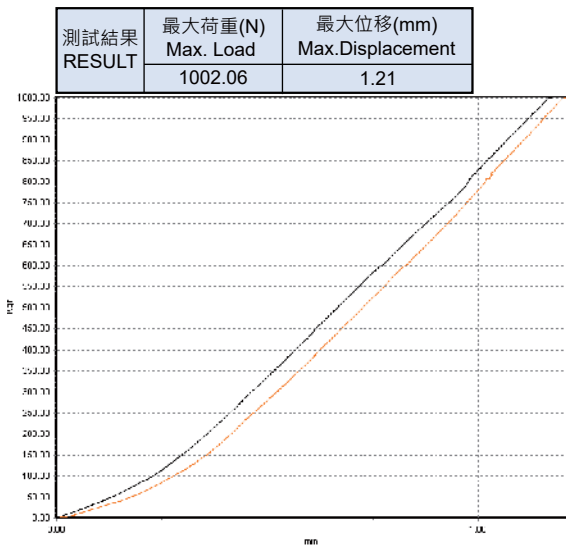
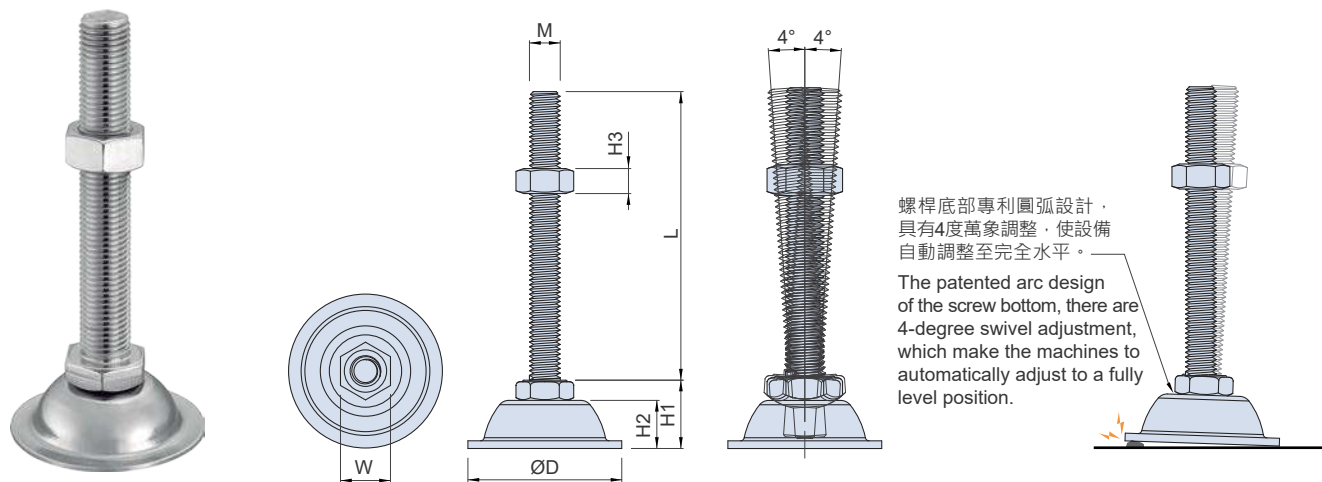


設定荷重 700 kgf 下壓值 2.5 mm · 不銹鋼304 Ø90 圓腳座荷重測試曲線圖
Suppose the leveling feet was pressuring under load capacity 700 kgf per 2.5 mm.
The chart shows the leveling feet load capacity of SUS304 bolt and base dimension Ø90 mm.

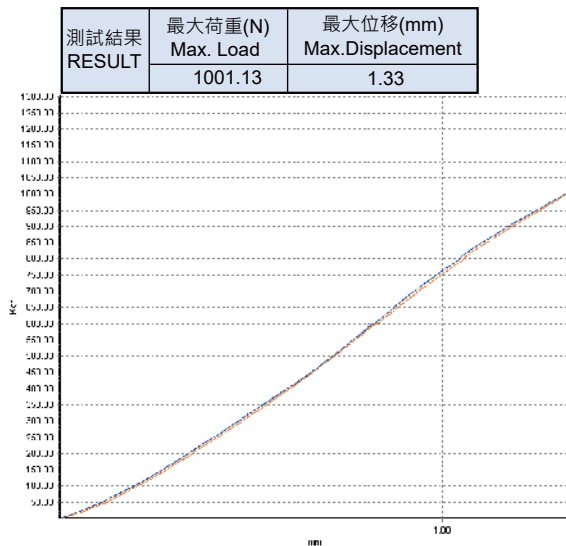
SPECIFICATIONS:

Unit:mm

產品編號 Item No.		尺寸 Dimensions							荷重 Load Capacity (kgf)	重量 Weight(g)	
SCM	SUS304	M	L	ØD	H1	H2	H3	W		SCM	SUS304
DK-0808035A	DS-0808035A	M8*P1.25	35	40	20	15	6.5	13	130	76	68
DK-0808050A	DS-0808050A		50							77	69
DK-0808075A	DS-0808075A		75							84	76
DK-0810050A	DS-0810050A	M10*P1.5	50	40	21	15	8	17	190	104	93
DK-0810075A	DS-0810075A		75							118	106
DK-0810100A	DS-0810100A		100							128	115
DK-0810050C	DS-0810050C		50						250	136	122
DK-0810075C	DS-0810075C		75							145	130
DK-0810100C	DS-0810100C	M12*P1.75	100	50	24	18	10	19	320	163	147
DK-0812035C			35							143	
DK-0812040C			40							146.8	
DK-0812075C	DS-0812075C		75							182	164
DK-0812100C	DS-0812100C		100							202	182
DK-0812150C	DS-0812150C	M16*P2.0	150	60	28	20	13	24	390	225	204
DK-0812075E	DS-0812075E		75							219	197
DK-0812100E	DS-0812100E		100							249	224
DK-0812150E	DS-0812150E		150							282	254
DK-0816075E			75							290	
DK-0816100E	DS-0816100E	M20*P2.5	100	75	32.7	23	16	30	520	318	311
DK-0816150E	DS-0816150E		150							387	436
DK-0816100H	DS-0816100H		100							440	430
DK-0816150H	DS-0816150H		150							506	509
DK-0816075L			75							544	
DK-0816100L	DS-0816100L	M20*P2.5	100	90	37.7	28	16	30	840	576	565
DK-0816150L	DS-0816150L		150							642	633
DK-0820100H	DS-0820100H		100							570	439
DK-0820150H	DS-0820150H		150							671	496
DK-0820200H			200							771	
DK-0820100L	DS-0820100L	M20*P2.5	100	90	37	27	16	30	900	706	519
DK-0820150L	DS-0820150L		150							806	593
DK-0820200L			200							906	



M8腳座荷重測試曲線圖
The chart shower the leveling feet load capacity of M8



M16腳座荷重測試曲線圖
The chart shower the leveling feet load capacity of M16

材質與表面處理

- 盤座：DK-10合金鋼(SCM)，鍍鋅。
DS-10不銹鋼(SUS304)，震動亮面。
- 螺桿：DK-10合金鋼(SCM)，鍍鋅。
DS-10不銹鋼(SUS304)，電解。

特徵

- 螺桿底部專利圓弧設計，具有4度萬向調整，使設備自動調整至完全水平。
- 防銹(DS系列)、耐腐蝕性、耐磨耗、耐油。

MATERIAL AND FINISH

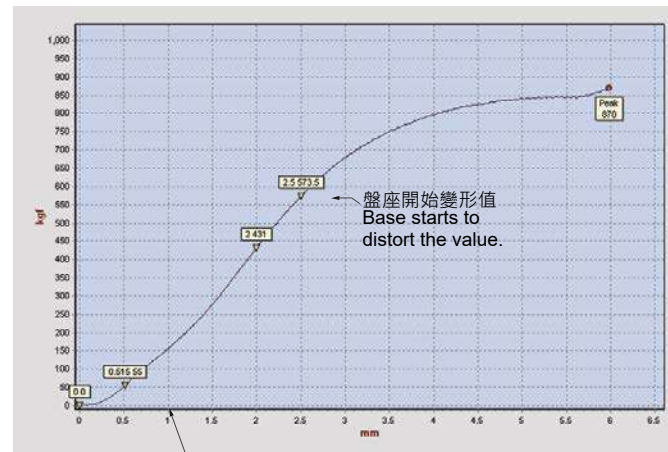
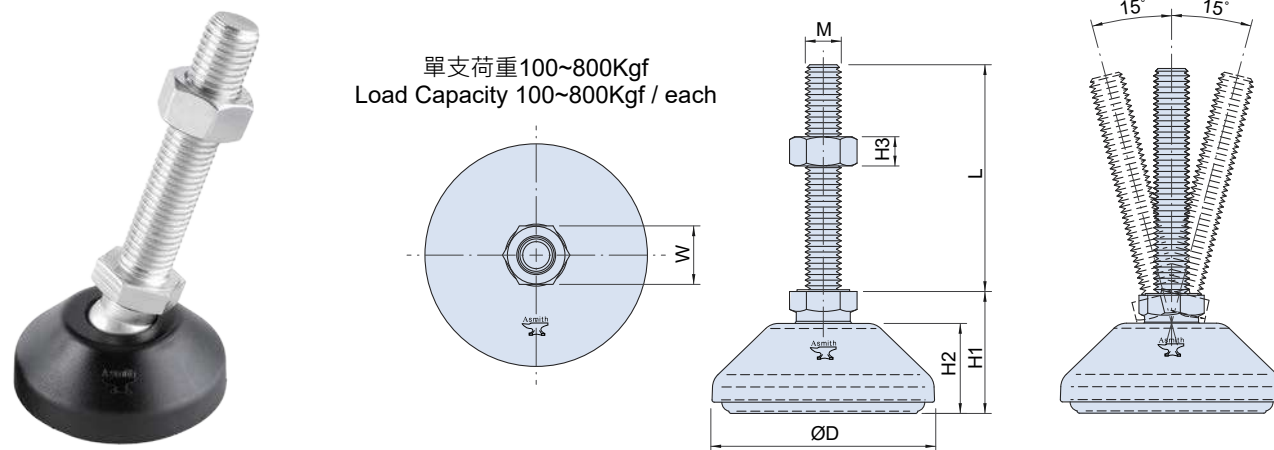
- Base: DK-10 Steel (SCM), Zinc plated.
DS-10 Stainless steel (SUS304),
Vibration ground.
- Bolt: DK-10 Steel (SCM), Zinc plated.
DS-10 Stainless steel (SUS304),
Electro Polishing.

FEATURES

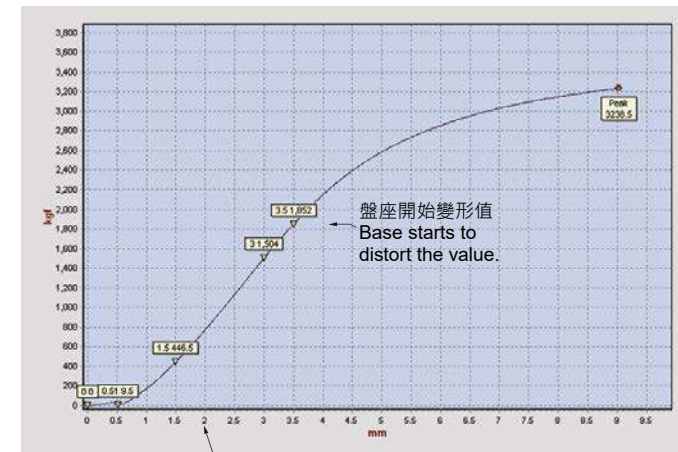
- The patented arc design of the screw bottom, there are 4-degree swivel adjustment, which make the machines to automatically adjust to a fully level position.
- Resistance to rust (DS Series), corrosion, abrasion and greasiness.

SPECIFICATION:

產品編號Item No.		尺寸 Dimensions							荷重 Load Capacity (kgf)	重量 Weight (g)
SCM	SUS304	M	L	ØD	H1	H2	H3	W		
DK-1008035A	DS-1008035A	M8*P1.25	35	40	17.8	6.5	13	130	51	51
DK-1008050A	DS-1008050A		50							
DK-1008075A	DS-1008075A		75							
DK-1010050A	DS-1010050A	M10*P1.5	50	40	18.8	8	17	190	75	85
DK-1010075A	DS-1010075A		75							
DK-1010100A	DS-1010100A		100							
DK-1012035D	DS-1012035D	M12*P1.75	35	53.5	22.1	15	10	19	105	108
DK-1012040D	DS-1012040D		40							
DK-1012075D	DS-1012075D		75							
DK-1012100D	DS-1012100D	M16*P2.0	100	73.2	31.7	22	13	24	390	151
DK-1012150D	DS-1012150D		150							
DK-1016075H	DS-1016075H		75							
DK-1016100H	DS-1016100H	M20*P2.5	100	73.2	33.7	16	30	900	248	289
DK-1016150H	DS-1016150H		150							
DK-1020100H	DS-1020100H		100							
DK-1020150H	DS-1020150H	M20*P2.5	150	200	33.7	16	30	900	412	499
DK-1020200H	DS-1020200H		200							



設定荷重 150 kgf 下壓值 1 mm · Ø50 圓腳座荷重測試曲線圖 (不含盤墊)
Suppose the leveling feet was pressuring under load capacity 150 kgf per 1 mm. The chart shower the leveling feet load capacity of bolt and base dimension Ø50 mm.



設定荷重 800 kgf 下壓值 2 mm · Ø80 圓腳座荷重測試曲線圖 (不含盤墊)
Suppose the leveling feet was pressuring under load capacity 800 kgf per 2 mm. The chart shower the leveling feet load capacity of bolt and base dimension Ø80 mm.

材質與表面處理

- 盤座：尼龍(PA66+GF)，黑色。
- 螺桿：DK-04 合金鋼(SCM)，鍍鋅。
DS-04 不銹鋼(SUS304)，電解。
- 盤墊：橡膠(NBR)，耐油、耐鹼、耐熱130°C。

特徵

- 機械安裝時，地面傾斜自動導正水平。
- 鬆緊度適中。
- 防震、防銹(DS系列)、耐鹼、防滑、耐磨耗、耐油。
- 請勿用於乾燥室環境，以確保其性能和壽命。
- 材料符合UL94 HB防火等級。

MATERIAL AND FINISH

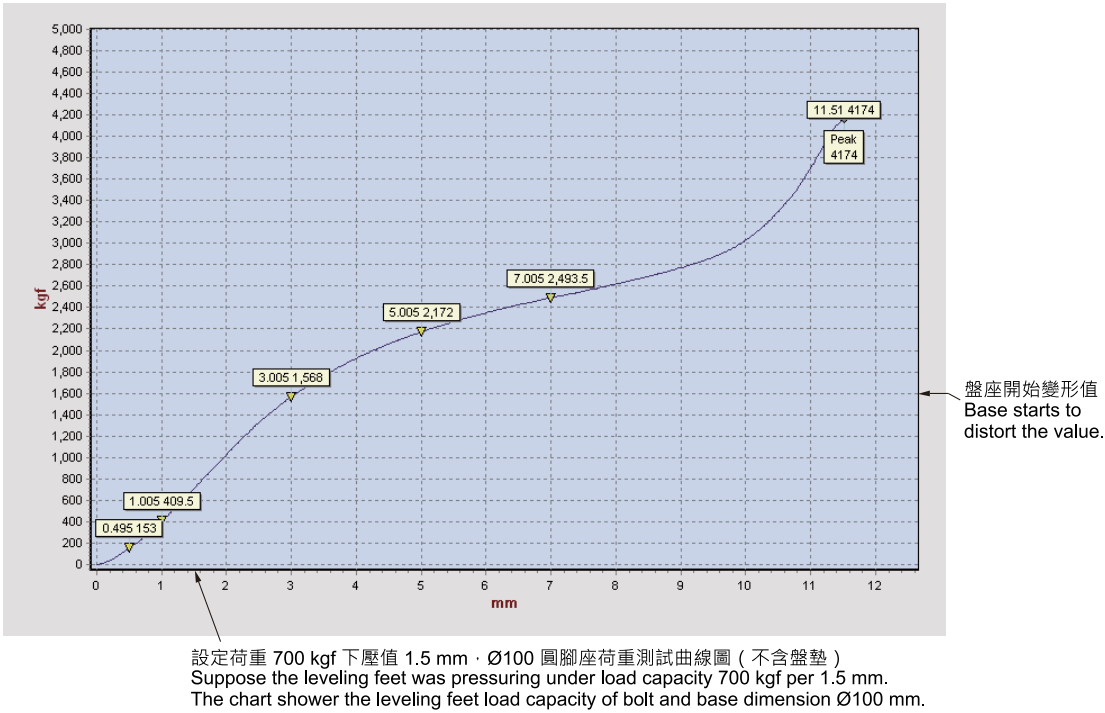
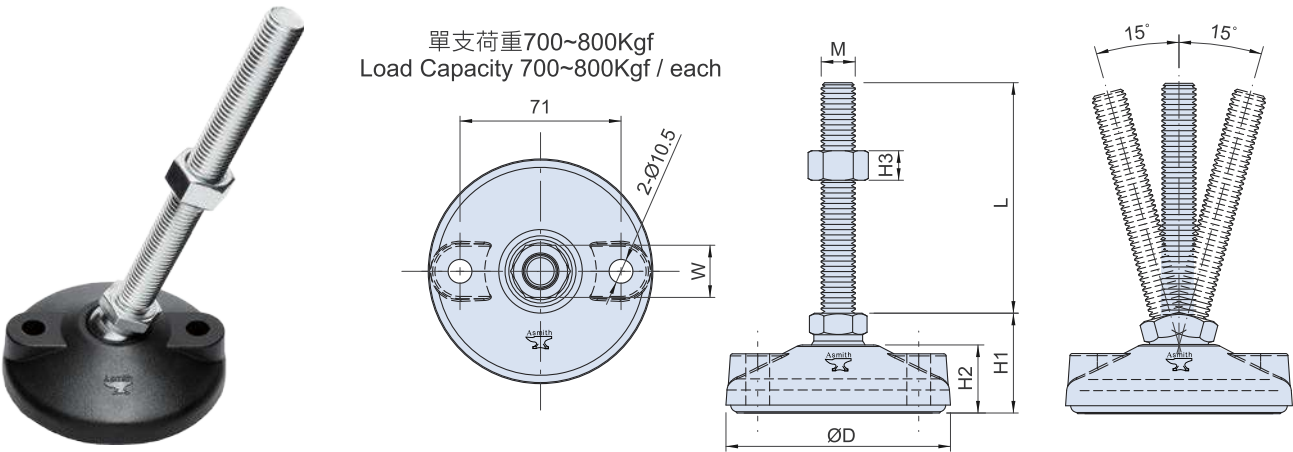
- Base: Nylon(PA66+GF), Black.
- Cushion: Rubber (NBR), Resistance to Greasiness, Alkali, Heat 130°C.
- Bolt: DK-04: Steel (SCM), Zinc plated.
DS-04: Stainless steel (SUS304),
Electro Polishing.

FEATURES

- The rake of bolt's bottom and base's hole design is to prevent vibration while they are assembled.
- The loose allowance is moderate.
- Resistance to conductance rust (DS Series), shock, alkali, slip,abrasion and greasiness.
- Do not use in dry indoor environments.
- Use the original raw material compliant with UL94 HB standards.

SPECIFICATIONS:

產品編號 Item No.		尺寸 Dimensions							荷重 Load Capacity (kgf)	重量 Weight(g)	
螺桿 Bolt (SCM)	螺桿 Bolt (SUS304)	M	L	ØD	H1	H2	H3	W		SCM	SUS304
DK-0408035C	DS-0408035C	M8*P1.25	35	50	28	20	6.5	13	100	57	60
DK-0408050C	DS-0408050C		50							59	67
DK-0408075C	DS-0408075C		75							71	75
DK-0410050C	DS-0410050C	M10*P1.5	50	50	30	20	8	17	150	83	88
DK-0410075C	DS-0410075C		75							95	101
DK-0410100C	DS-0410100C		100							111	114
DK-0412075F	DS-0412075F	M12*P1.75	75	65	41	28	10	19	400	180	179
DK-0412100F	DS-0412100F		100							201	197
DK-0412150F	DS-0412150F		150							234	234
DK-0416075F	DS-0416075F	M16*P2.0	75	65	44	28	13	24	500	258	258
DK-0416100F	DS-0416100F		100							294	294
DK-0416150F	DS-0416150F		150							364	367
DK-0416100J	DS-0416100J	M20*P2.5	100	80	52	33	16	30	800	384	385
DK-0416150J	DS-0416150J		150							446	450
DK-0420100J	DS-0420100J		200							510	509
DK-0420150J	DS-0420150J	M20*P2.5	150	200	33.7	16	30	900	800	612	619
DK-0420200J	DS-0420200J		200							712	712



材質與表面處理

- 盤座：尼龍(PA66+GF) · 黑色。
- 螺桿：DK-05 合金鋼(SCM) · 鍍鋅。
DS-05 不銹鋼(SUS304) · 電解。
- 盤墊：橡膠(NBR) · 耐油、耐鹼、耐熱130℃。

特徵

- 機械安裝時，地面傾斜自動導正水平。
- 鬆緊度適中。
- 防震、防銹(DS系列)、耐鹼、防滑、耐磨耗、耐油。
- 請勿用於乾燥室環境，以確保其性能和壽命。
- 材料符合UL94 HB防火等級。

MATERIAL AND FINISH

- Base: Nylon(PA66+GF), Black.
- Bolt: DK-05: Steel (SCM), Zinc plated.
DS-05: Stainless steel (SUS304), Electro Polishing.
- Cushion: Rubber (NBR), Resistance to Greasiness, Alkali, Heat 130℃.

FEATURES

- The rake of bolt's bottom and base's hole design is to prevent vibration while they are assembled.
- The loose allowance is moderate.
- Resistance to conductance rust (DS Series), shock, alkali, slip,abrasion and greasiness.
- Do not use in dry indoor environments.
- Use the original raw material compliant with UL94 HB standards.

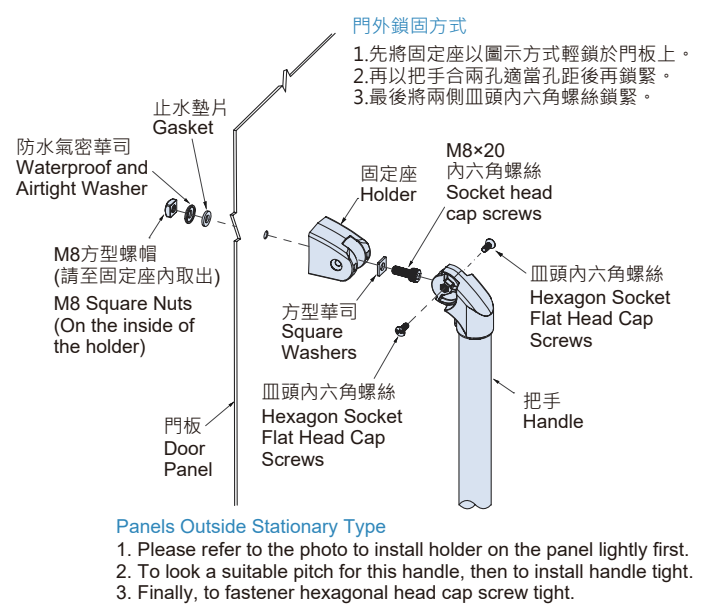
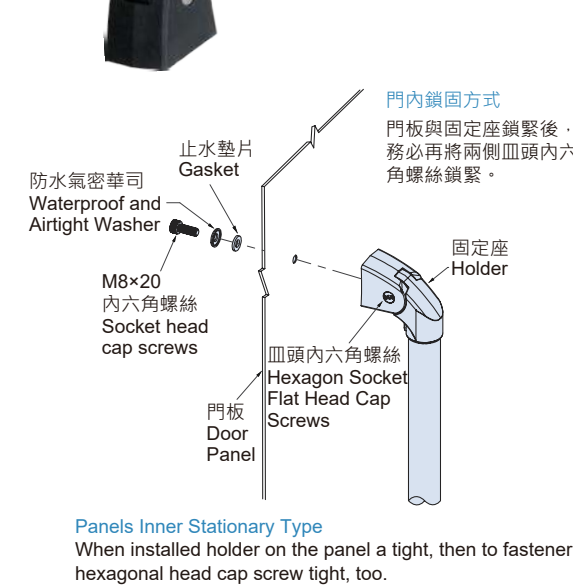
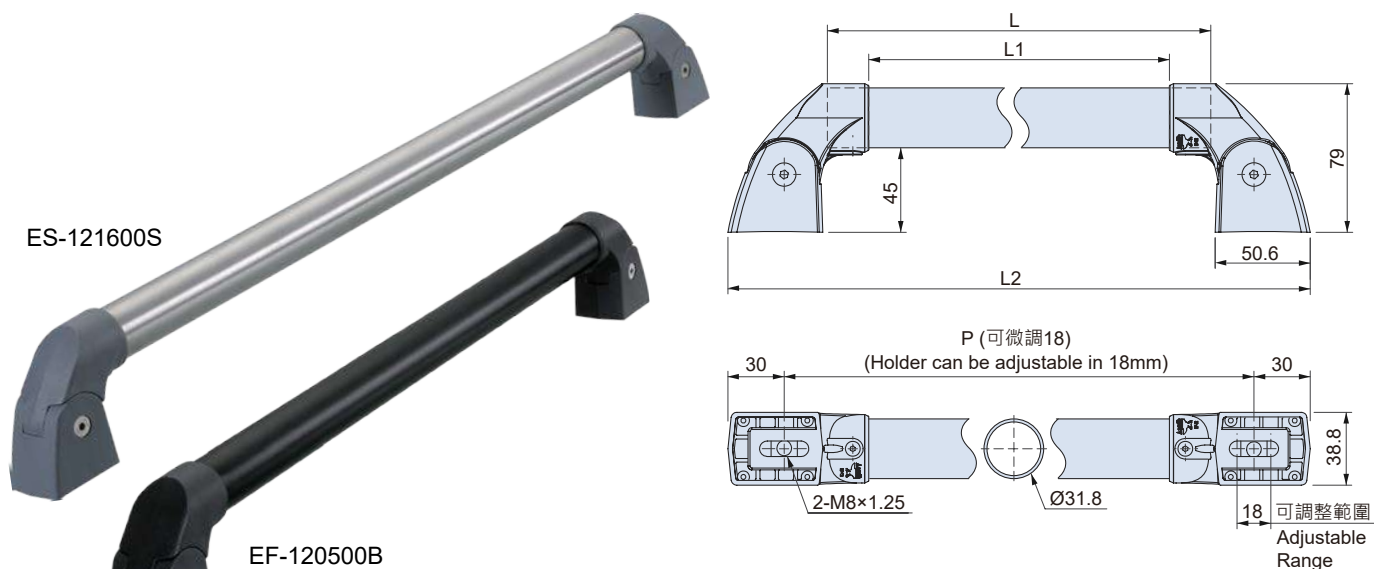
SPECIFICATIONS:

產品編號 Item No.		尺寸 Dimensions							荷重 Load Capacity (kgf)	重量 Weight(g)	
螺桿Bolt (SCM)	螺桿Bolt (SUS304)	M	L	ØD	H1	H2	H3	W		SCM	SUS304
DK-0516100N	DS-0516100N	M16*P2.0	100	100	46.4	30.5	13	24	700	410	419
DK-0516150N	DS-0516150N		150							475	483
DK-0520100N	DS-0520100N	M20*P2.5	100	100	48.4	30.5	16	30	800	544	543
DK-0520150N	DS-0520150N		150							644	648
DK-0520200N			200							744	

Unit:mm

EF-120 Series
ES-121

玻纖直管把手 FRP Grab Handle
不鏽鋼直管把手 SUS304 Grab Handle



材質與表面處理

- 固定座：尼龍(PA66+GF) · 黑色、灰色。
- 手握柄：EF-120玻纖纖維(FRP) · 黑色、灰色。
- ES-121不銹鋼(SUS304) · 毛絲面。

特徵

- EF-120把手：玻纖纖維(FRP)具有高剛性特質 · 載重可達金屬等級。重量輕 · 絕緣不導電 · 低溫環境下不易凍手。
- 固定座：孔距可微調18mm便於安裝調整 · 具防水功能(IP66) · 耐酸鹼 · 耐油 · 耐熱 -20°C ~ 150°C。
- ES-121材料符合UL94 HB防火等級。

MATERIAL AND FINISH

- Holder : Nylon(PA66+GF), Black or Gray.
- EF-120 Handle : Fibre-reinforced plastic(FRP), Black or Gray.
- ES-121 Handle : Stainless Steel(SUS304), Brushed finish.

FEATURES

- EF-120 Handle: FRP has high stiffness and high loading. It is very light and an insulator to electronics. Users will not be frostbitten when the operating temperature is frozen.
- Holder: The hole pitch can be adjustable within 18mm, easy to install. Waterproof (IP66). Working temperature is -20°C~150°C, resistance to acid, alkali, and greasiness. ES-121 material compliant with UL94 HB standards.

SPECIFICATION:

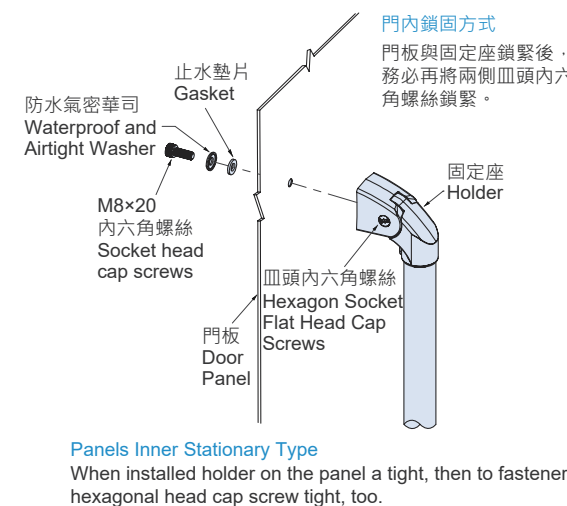
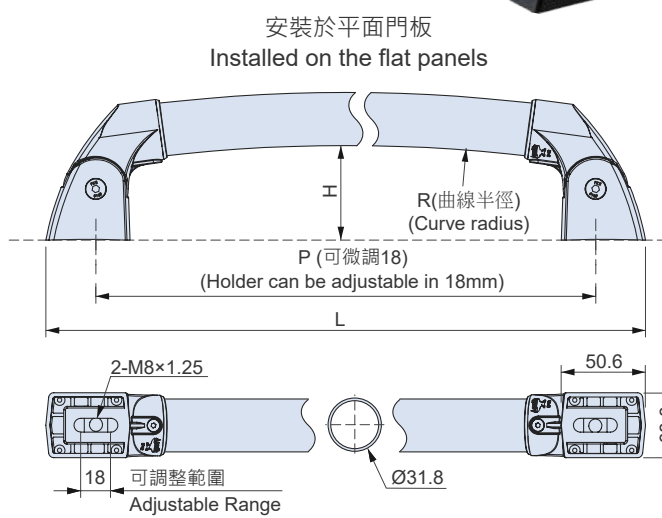
Unit: mm

產品編號 Item no.	座色 Holder Color	管色 Handle Color	重量 Weight (g)	荷重 Load Capacity (kgf)	產品編號 Item no.	座色 Holder Color	重量 Weight (g)	荷重 Load Capacity (kgf)	尺寸 Dimensions			
									P	L	L1	L2
EF-120180	B(黑色) Black	B(黑色) Black	307	60	ES-121180	B(黑色) Black	343	100	180	134	90	240
EF-120250			342		ES-121250		397		250	204	160	310
EF-120300			367		ES-121300		435		300	254	210	360
EF-120400	S(灰色) Gray	S(灰色) Gray	418		ES-121400	S(灰色) Gray	512		400	354	310	460
EF-120500			468		ES-121500		588		500	454	410	560
EF-120600			518		ES-121600		665		600	554	510	660
EF-120800			618		ES-121800		818		800	754	710	860

備註：1000pcs以上 · EF-120系列管色可提供客製化 · Remark: EF-120 Handle: MOQ 1000pcs above, Optional custom color.

ES-122 Series
ES-123

ES-124 Series 不鏽鋼弧形管把手 Grab Handle (curve)



材質與表面處理

- 固定座：尼龍(PA66+GF) · 黑色、灰色。
- 手握柄：不銹鋼(SUS304) · 毛絲面。

特徵

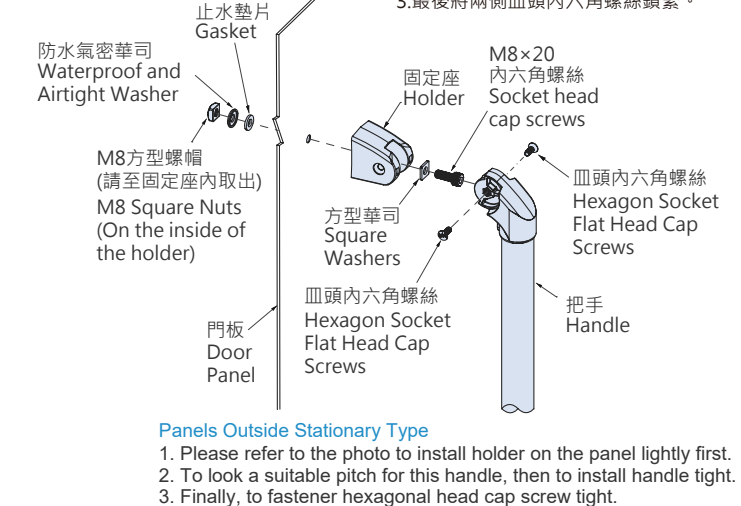
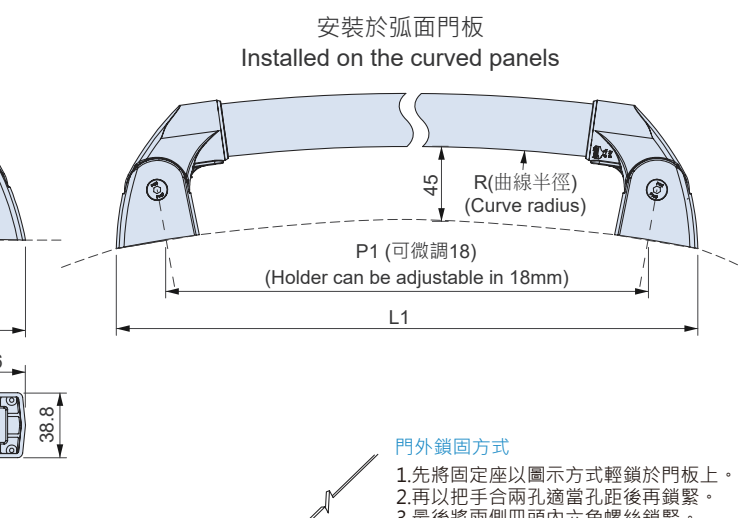
- 固定座：孔距可微調18mm便於安裝調整 · 固定座可擺動 · 適用於各種弧度面門板 · 具防水功能(IP66) · 耐酸鹼 · 耐油 · 耐熱 -20°C ~ 150°C。
- 材料符合UL94 HB防火等級。

MATERIAL AND FINISH

- Holder : Nylon(PA66+GF), Black or Gray.
- Handle : Stainless Steel(SUS304), Brushed finish.

FEATURES

- Holder: The holder is waterproof(IP66) and can suit for all kind of panel with different curve angle. The hole pitch can be adjustable within 18mm, easy to install. Working temperature is -20°C~150°C, resistance to acid, alkali, and greasiness.
- The material compliant with UL94 HB standards.

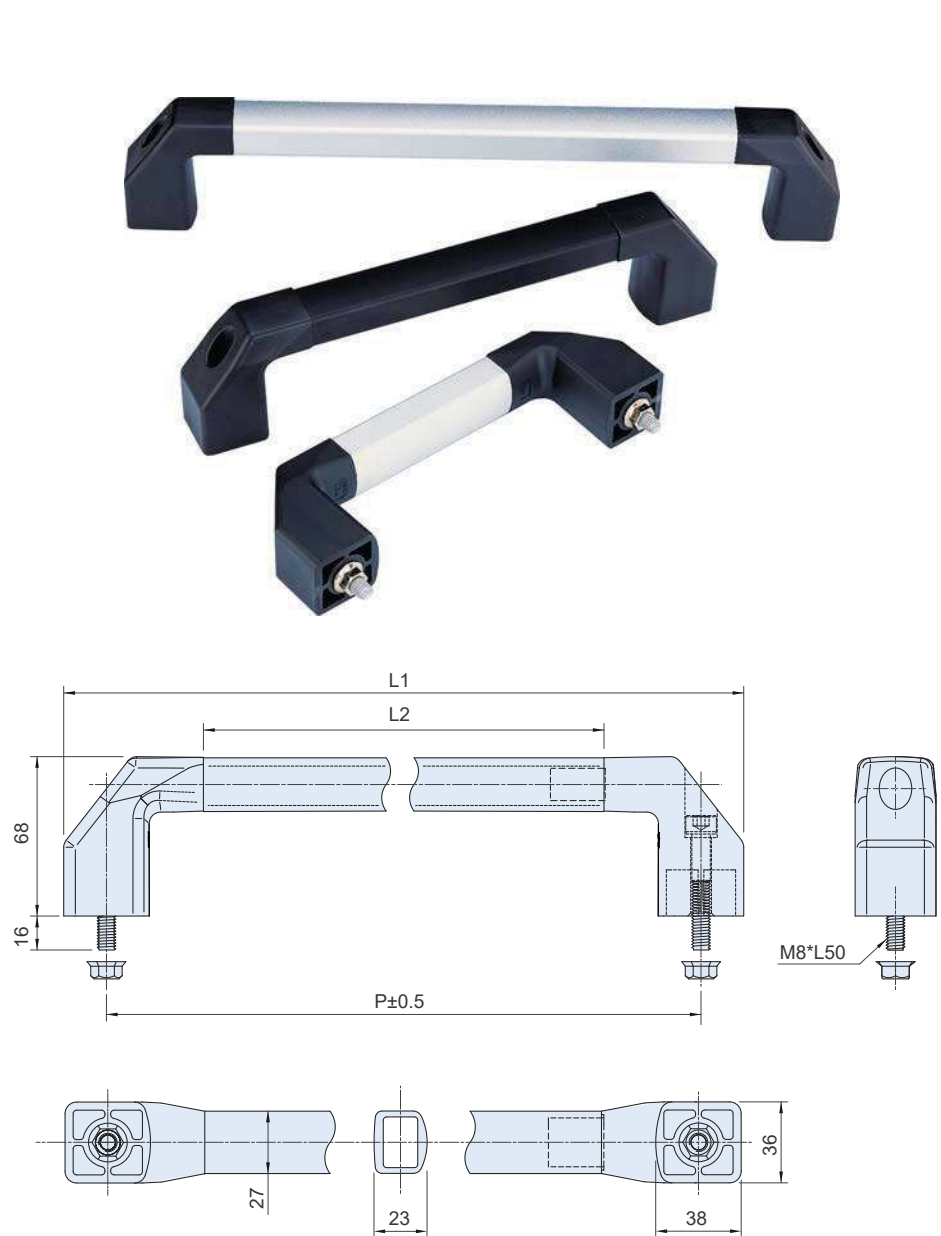


Item No.	Specification :	Handle Type	P (Pitch)	Holder Color
ES-12	產品編號規範 :	管規	P(孔距)	座色

SPECIFICATION:

Unit: mm

產品編號 Item no.	座色 Holder Color	尺寸 Dimensions						荷重 Load Capacity (kgf)	重量 Weight (g)
		R	P	P1	H	L	L1		
ES-122300	B(黑色) Black	950	300	290	56.8	360	349	100	453
ES-122600			600	580	94	660	637		666
ES-123600			600	589	72	660	647.4		673
ES-123700	S(灰色) Gray	1680	700	686	82	760	744.8	100	752
ES-123800			800	784	93.5	859.8	842.4		805
ES-124700			700	690	75.4	760	748.7		750
ES-124800		2038	800	787	84.8	859.8	846		823



材質與表面處理

- 固定座：尼龍(PA6+GF)，黑色。
- 手握柄：鋁合金(6063)，包括鋁本色及黑色兩種。

特徵

- 固定座與手握柄兩色區別，外型美觀。
- 安裝迅速，從外向板面固定螺絲，板面可攻牙，或沖孔用螺母固定，而不受內部狹小影響作業。
- 固定座耐酸鹼、耐油、耐熱 -20°C ~ 150°C。
- 材料符合UL94 HB防火等級。
- 附配件包：兩根M8*50mm螺絲-合金鋼材質，兩顆螺帽-鐵鍍鋅。

MATERIAL AND FINISH

- Holder: Nylon(PA6+GF), Black.
- Handle: Aluminum alloy (6063), Anodized in natural or black color.

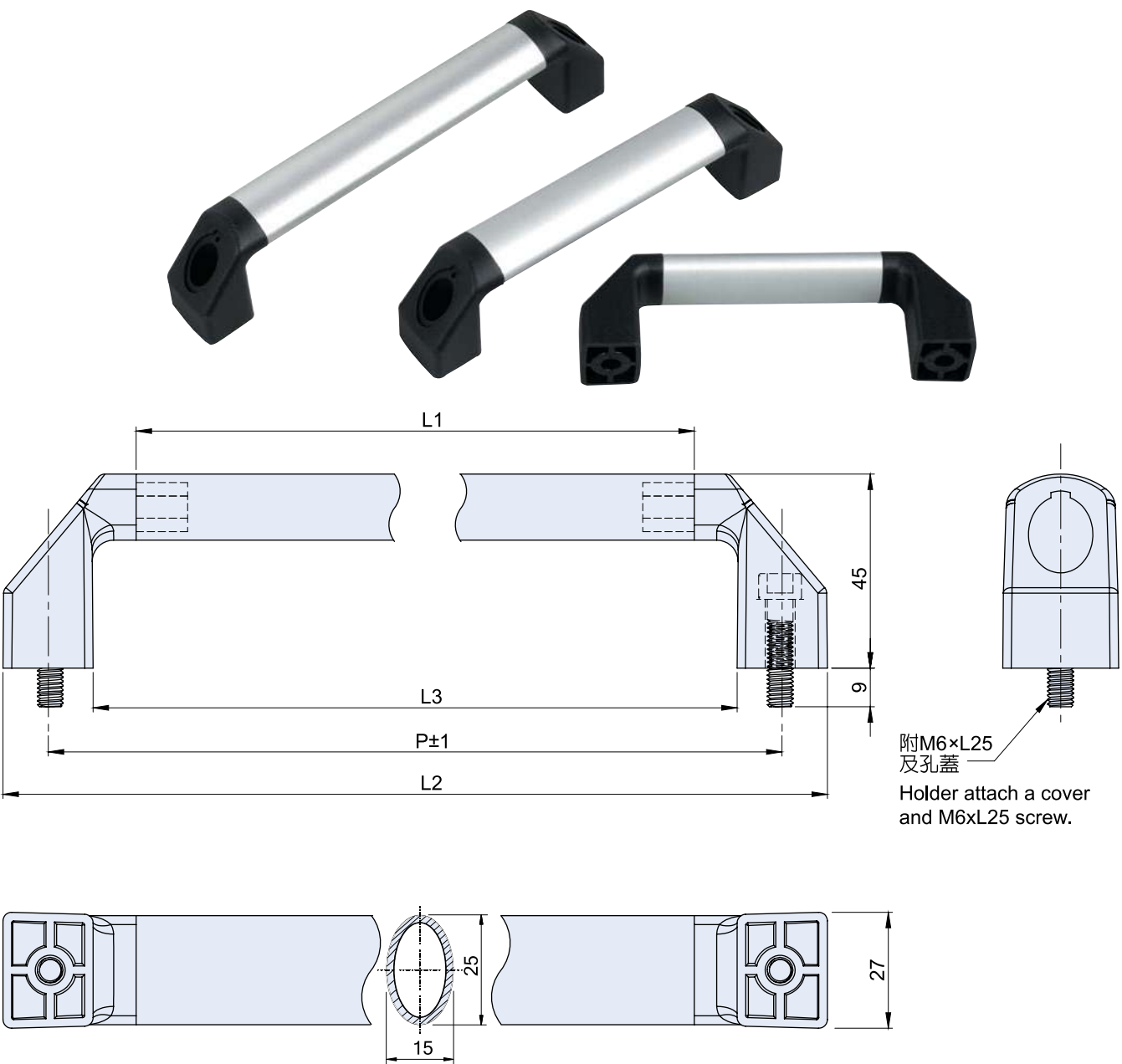
FEATURES

- Could be quick installed on the panel with a tapped hole or with a normal hole by nut.
- Tight the screw from outside, working space is not effected by the cabinet inner space.
- Weathering resistance of PA holder is -20°C~150°C, resistance to acid, alkali, greasiness.
- Use the original raw material compliant with UL94 HB standards.
- With screws pack: Screws M8*50mm 2pcs, and nuts 2pcs.

SPECIFICATION:

Unit:mm

產品編號 Item No.		尺寸 Dimensions			荷重 Load Capacity (kgf)	重量 Weight (g)
鋁本色 Aluminum Color	黑色 Black Color	L1	L2	P		
E-69180-8	E-69180-9	218	98	180	100	290
E-69250-8	E-69250-9	288	168	250		344
E-69300-8	E-69300-9	338	218	300		377
E-69350-8	E-69350-9	388	268	350		420
E-69400-8	E-69400-9	438	318	400		458
E-69500-8	E-69500-9	538	418	500		531



材質與表面處理

- 固定座：尼龍(PA6+GF)，黑色。
- 手握柄：鋁合金(6063)，鋁本色。

特徵

- 固定座附螺絲孔蓋，外型美觀。
- 安裝迅速，從外向板面固定螺絲，板面可攻牙，或沖孔用螺母固定，而不受內部狹小影響作業。
- 固定座耐熱：-20°C ~ +150°C。
- 附M6螺絲。
- 耐酸鹼、耐油。

MATERIAL AND FINISH

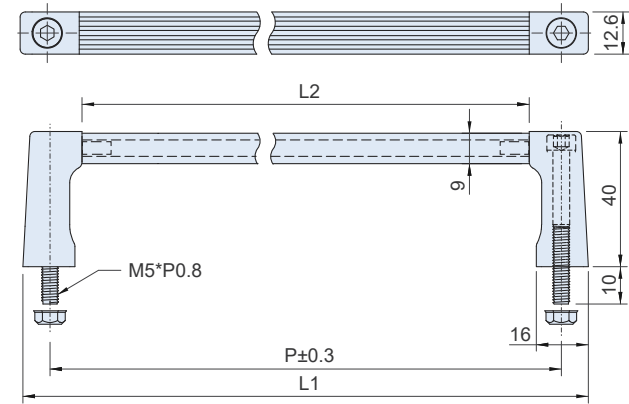
- Holder: Nylon(PA6+GF), Black
- Handle: Aluminum alloy(6063), Anodized in natural color.

FEATURES

- Could be quick installed on the panel with a tapped hole or with a normal hole by nut.
- Tight the screw from outside, working space is not effected by the cabinet inner space.
- Weathering resistance of PA holder is -20°C~150°C
- Holder attach a cover and M6*L25 screw, the outlook is artistic.
- Resistance to acid, alkali, greasiness.

SPECIFICATIONS						Unit:mm	
產品編號 Item No.	尺 寸Dimensions				重量 Weight (g)	荷重 Load capacity (kg/pcs)	
	L1	L2	L3	P			
EA-45120	80	142	100	120	61	53	
EA-45140	100	162	120	140	66	42	
EA-45170	130	192	150	170	76	38	

E-40 板外固定式(附配件包)
E-40 Outside stationary type (Included accessories)



材質與表面處理

- 固定座：尼龍(PA6+GF)，黑色、乳白色。
- 手握柄：鋁合金(6063)，鋁本色及黑色。

特徵

- E-40：安裝迅速且方便，從外向板面固定螺絲，板面可攻牙、或沖孔用螺母固定，不受內部狹小影響作業。附配件包：兩組M5*45mm螺絲，螺帽、華司。
- E-41：螺絲由內向板面固定把手，板面可攻牙或沖孔。
- 耐酸鹼、耐油、耐溫度-20°C~120°C。
- 材料符合UL94 HB防火等級。
- 適用於配電盤上。

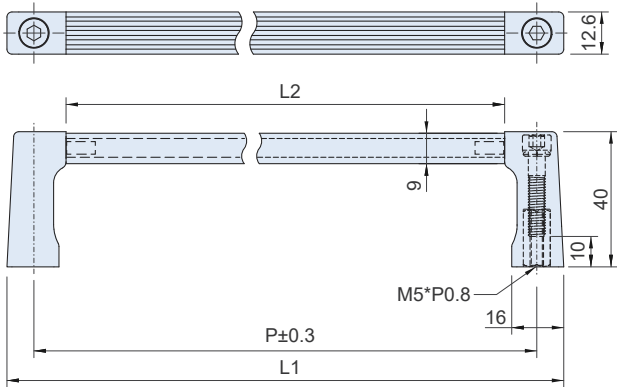
MATERIAL AND FINISH

- Holder: Polyamide (PA6+GF), Black, White.
- Handle: Aluminum alloy (6063), Anodized in natural or black color.

FEATURES

- E-40: Could be quick installed on the panel with a tapped hole or with a normal hole (by nut), and tight the screw from outside.
With screws pack: Screws M8*45mm+nuts+washer 2sets.
- E-41: Installed with a normal hole, tight the screw from inside.
- Resistance to acid, alkali, greasiness, Weathering resistance -20°C~120°C.
- Use the original raw material compliant with UL94 HB standards.
- Suitable for use on switchboards.

E-41 板內固定式
E-41 Inner stationary type



Color selection:

產品編號規範 Item No. Specification	顏色 Color	
	手握柄 Handle	固定座 Holder
E-4 □□□□□-□ ↑ 固定座、手握柄顏色型式號 Holder & Handle Type No.	8 鋁本色 Aluminum	黑色 Black
	8W 鋁本色 Aluminum	乳白色 White
	9 黑色 Black	黑色 Black
	9W 黑色 Black	乳白色 White

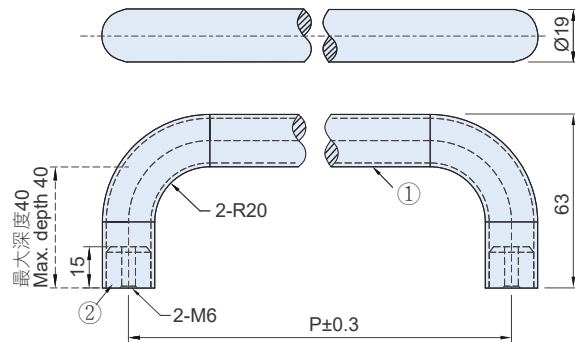
SPECIFICATION: (Use for general panel)

產品編號 Item no.	重量 Weight (g)	產品編號 Item no.	重量 Weight (g)	尺寸Dimensions			荷重 Load Capacity (kgf)
				L1	L2	P	
E-4055	39	E-4155	40.5	71	36	55	45
E-4088	44	E-4188	45.5	104	69	88	
E-40100	45	E-41100	46.5	116	81	100	
E-40120	47	E-41120	48.5	136	101	120	
E-40150	52	E-41150	53.5	166	131	150	
E-40180	56	E-41180	57.5	196	161	180	
E-40235	63.5	E-41235	65	251	216	235	

SPECIFICATION: (Standard versions for 19" drawers and instruments)

產品編號 Item no.	重量 Weight (g)	產品編號 Item no.	重量 Weight (g)	尺寸Dimensions			面板規格 Height of front panel	荷重 Load Capacity (kgf)
				L1	L2	P		
E-4070	42	E-4170	43.5	86	51	70	2U	45
E-40115	48	E-41115	49.5	131	96	115	3U	
E-40159	54	E-41159	55.5	175	140	159	4U	
E-40203	60	E-41203	61.5	219	184	203	5U	
E-40248	65	E-41248	66.5	264	229	248	6U	

It means for 19" front panel handles: HE=units of height, 1HE=44.45mm=1-6/8"
Height of front panels=HE*44.45-0.8mm



美觀座
Mounting Washer



材質與表面處理

- 1. 手把：不銹鋼(SUS304)，毛絲面。
- 2. 固定座：青銅。
- 3. 美觀座：不銹鋼(SUS304)，材料本質。

MATERIAL AND FINISH

- 1. Handle: Stainless steel(SUS304), Brushed finish.
- 2. Holder: Bronze, Natural.
- 3. Mounting Washers: Stainless steel(SUS304), Natural.

特徵

- 附配件包：兩個美觀座，兩根M6*65mm螺絲-鐵鍍鋅。

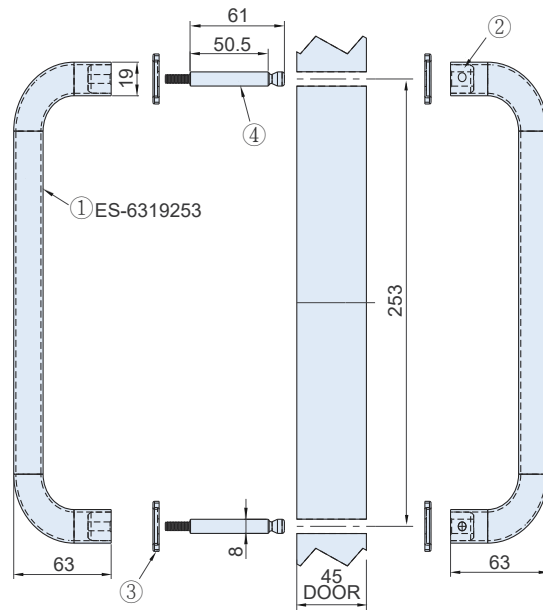
FEATURES

- With screws pack: Mounting washer 2pcs, screws M6*65mm 2pcs.

SPECIFICATION:

產品編號 Item No.	P	荷重 Load Capacity(kgf)	重量 Weight(g)
			Unit:mm
ES-6319200	200	100	225
ES-6319253	253		258
ES-6319300	300		285

ES-6319253D 握柄把手 Grab Handle



美觀座
Mounting Washer



材質與表面處理

- 1. 手把：不銹鋼(SUS304)，毛絲面。
- 2. 固定座：青銅。
- 3. 美觀座：不銹鋼(SUS304)，材料本質。
- 4. 螺桿：S45C。

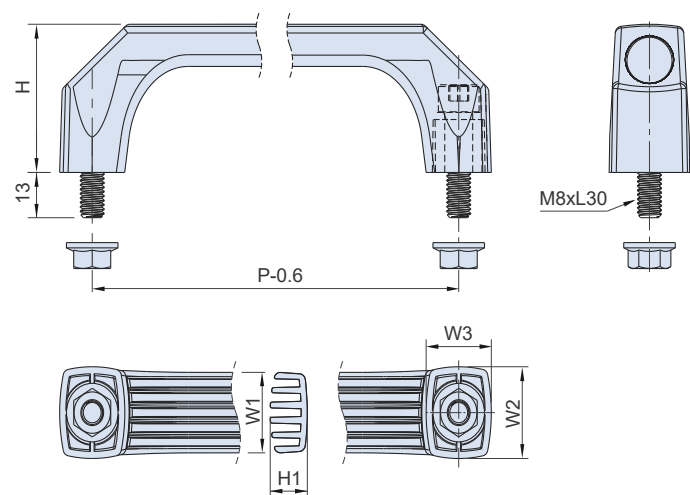
MATERIAL AND FINISH

- 1. Handle: Stainless steel(SUS304), Brushed finish.
- 2. Holder: Bronze, Natural.
- 3. Mounting Washers: Stainless steel(SUS304), Natural.
- 4. Screw: S45C, Metal surface treatment.

SPECIFICATION:

產品編號 Item No.	荷重 Load Capacity(kgf)	重量 Weight(g)
		Unit:mm
ES-6319253D	100	560

EP-021 Series 握柄把手 Grab Handle



材質與表面處理

■ 材質：尼龍(PA66+GF)。

配件包 Screws pack

特徵

- 安裝迅速，從外向板面固定螺絲，板面可植入螺母或攻牙。
- 耐酸鹼、耐油。耐熱150°C、耐寒-20°C。
- 材料符合UL94 HB防火等級。
- 配件包：兩根M8*30mm螺絲，兩顆螺帽。

MATERIAL AND FINISH

■ Nylon(PA66+GF).

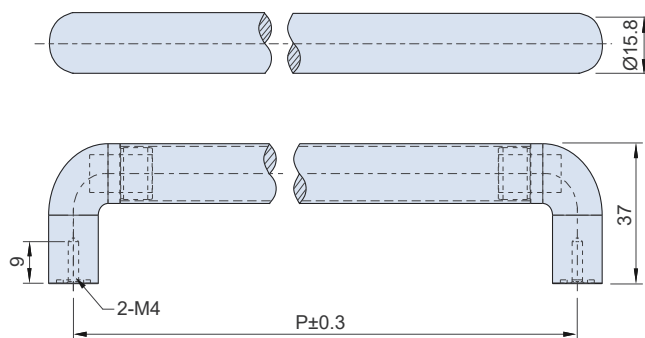
FEATURES

- Could be quick installed on the panel with a tapped hole or with a normal hole (by nut), and tight the screw from outside.
- Working temperature: -20°C to 150°C.
- Resistance to acid, alkali, greasiness.
- Use the original raw material compliant with UL94 HB standards.
- Optional screws pack: Screws M8*30mm 2pcs, and nuts 2pcs.

SPECIFICATION:

產品編號 Item no.	配件 Screws pack	顏色 Color	尺寸 Dimensions						荷重 Load Capacity(kgf)	重量 Weight (g)
			P	H	H1	W1	W2	W3		
EP-02120B	有配件包 With screws pack	黑 Black	120	42	12	23	26	21	80	90
EP-02150B			150	51	13	23.5	28	23		115
EP-02180B			180	50	15	25	30	25		130
EP-02120R			120	42	12	23	26	21		90
EP-02150R	無配件包 Without screws pack	橘 Orange	150	51	13	23.5	28	23		115
EP-02180R			180	50	15	25	30	25		130
EP-022120B		黑 Black	120	42	12	23	26	21		48
EP-022150B			150	51	13	23.5	28	23		73
EP-022180B			180	50	15	25	30	25		88
EP-022120R			120	42	12	23	26	21		48
EP-022150R		橘 Orange	150	51	13	23.5	28	23		73
EP-022180R			180	50	15	25	30	25		88

ES-3716 Series 握柄把手 Grab Handle



材質與表面處理

- 1. 手把：不銹鋼(SUS304)，毛絲面。
- 2. 固定座：鋅合金，鍍鉻。

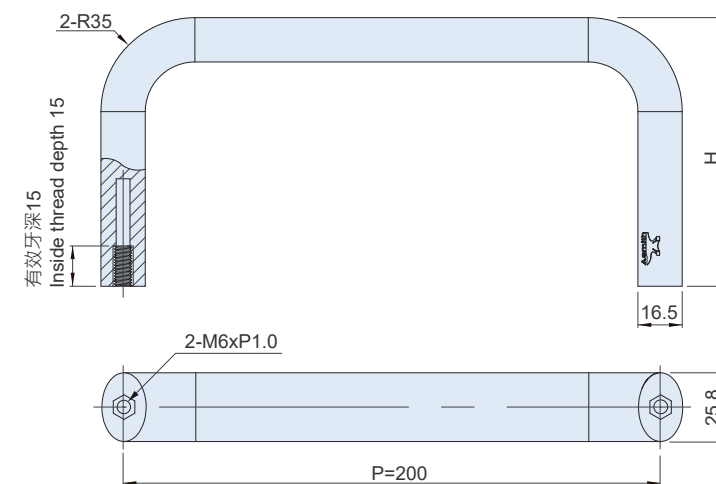
MATERIAL AND FINISH

- 1.Handle: Stainless steel(SUS304), Brushed Finish.
- 2.Holder: Zinc alloy, Chrome plated.

SPECIFICATION:

產品編號 Item No.	P	荷重 Load Capacity(kgf)	重量 Weight(g)
ES-3716130	130	50	118
ES-3716160	160		122
ES-3716200	200		133

EP-04 Series 握柄把手 Grab Handle



特徵

- 防止靜電。
- 低溫操作時不黏手。
- 適用溫度-15°C~80°C。
- 耐酸鹼、耐油。
- 材料符合UL94 HB防火等級。

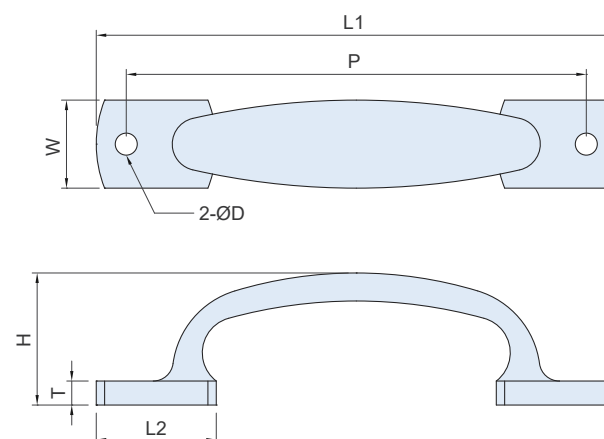
FEATURES

- To prevent static electricity.
- Prevent from adhesions when operating at low temperature.
- Working temperature between -15°C~80°C.
- Resistance to acid, alkali, greasiness.
- Use the original raw material compliant with UL94 HB standards.

SPECIFICATION:

產品編號 Item no.	材質 Material	表面處理 Finish	H	荷重 Load Capacity (kgf)	重量 Weight (g)
EP-041200B	PP	黑色 Black	98	30	122
EP-042200B			168		227

ES-2068 Series 握柄把手 Grab Handle



材質與表面處理

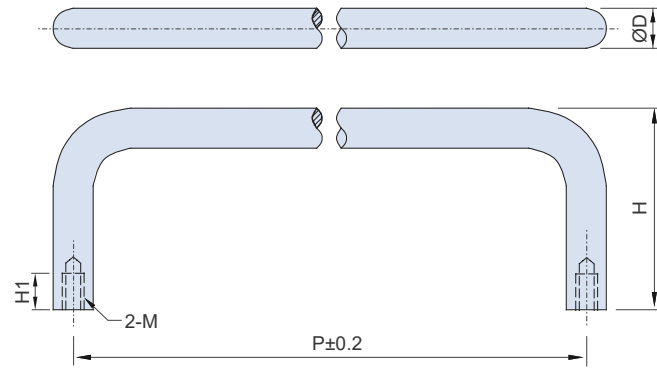
- 不銹鋼(SUS304)，亮面拋光。

MATERIAL AND FINISH

- Stainless steel(SUS304), High gloss polished.

SPECIFICATION:

產品編號 Item No.	材質 Material	表面處理 Finish	尺寸 Dimensions							重量 Weight (g)
			L1	L2	P	W	H	T	D	
ES-2068-1	SUS304	亮面拋光 High gloss polished	145	35	125	25	34	6	6.5	155
ES-2068-2			130	30	115	22	33	6	5.5	120
ES-2068-3			120	29	105	20	30	5	5.5	90



SPECIFICATION

Unit:mm

產品編號 Item No.	荷重 Load Capacity (kgf)	重量 Weight (g)	產品編號 Item No	產品編號 Item No	荷重 Load Capacity (kgf)	重量 Weight (g)	尺寸 Dimensions				
不銹鋼 SUS304			鐵(1215)-鍍鉻 Steel-Chrome	鐵(1215)-黑色 Steel-Black			P	D	M	H	H1
ES-3206055	30	22.6	ET-3206055W	ET-3206055B	25	25	55	6.3	M4	32	8
ES-3206064		24.8	ET-3206064W	ET-3206064B		27.2	64				
ES-3206076		27.8	ET-3206076W	ET-3206076B		30.2	76				
ES-3206088		30.6	ET-3206088W	ET-3206088B		33.2	88				
ES-3206100		33.6	ET-3206100W	ET-3206100B		36.2	100				
ES-3508055	55	37.8	ET-3508055W	ET-3508055B	50	42.1	55	8	M5	35	10
ES-3508088		50.8	ET-3508088W	ET-3508088B		55.2	88				
ES-3508100		55.8	ET-3508100W	ET-3508100B		59.9	100				
ES-3508120		63.6	ET-3508120W	ET-3508120B		67.8	120				
ES-3508136		70.2	ET-3508136W	ET-3508136B		71	136				
ES-4010088	75	80.6	ET-4010088W	ET-4010088B	70	90	88	10	M6	40	12
ES-4010100		88.4	ET-4010100W	ET-4010100B		97.2	100				
ES-4010120		100.4	ET-4010120W	ET-4010120B		109.5	120				
ES-4010150		118	ET-4010150W	ET-4010150B		128	150				
ES-4010180		136	ET-4010180W	ET-4010180B		146.5	180				
ES-4310200		155				200	M5		43		
ES-4310235		179				235					

材質與表面處理

- 不銹鋼(SUS304)・震動亮面。
- 鐵(1215)・鍍鉻色及黑色。

MATERIAL AND FINISH

- Stainless steel (SUS304), Vibration ground.
- Steel (1215), Bright chrome plated or Black coating.

特徵

- 實心棒材設計。
- 可搭配下方美觀座。

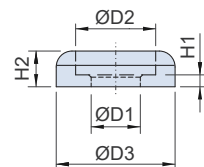
FEATURES

- Solid round-bar handle design.
- Can use with mounting washers.

棒材把手 專用美觀座 Mounting Washers

SUS304

RoHS



SPECIFICATION

Unit:mm

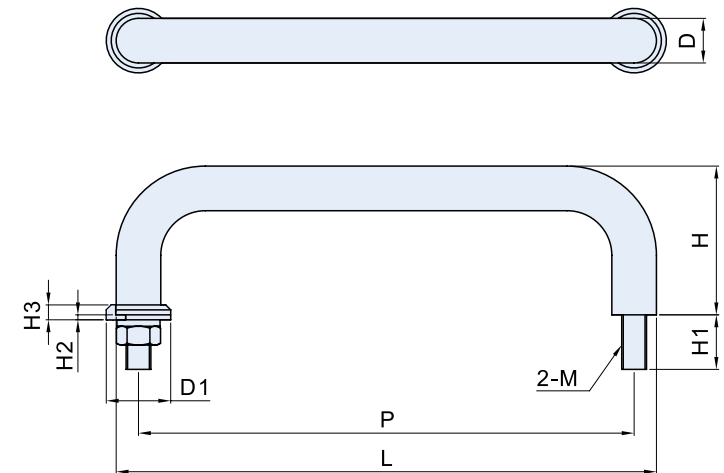
產品編號 Item No. 不銹鋼 SUS304	鐵(1008)-黑色 Steel-Black	尺寸 Dimensions				
		H1	H2	D1	D2	D3
53206SW	53206TB	1.2	2.5	4.2	6.5	10
53508SW	53508TB	1.3	3	5.2	8.1	12
54010SW	54010TB	1.5	4.5	6.2	10.1	15

材質與表面處理

- 不銹鋼(SUS304)・震動亮面。
- 鐵(1008)・黑色。

MATERIAL AND FINISH

- Stainless steel (SUS304), Vibration ground.
- Steel (1008), Black coating.



SPECIFICATION :

Unit : mm

產品編號 Item No.	材質 Material	表面處理 Finish	尺寸 Dimensions									荷重 Load Capacity (kgf)	重量 Weight(g)
			L	H	H1	H2	H3	P	D	D1	M		
ES-5012288E	SUS304	亮面拋光 High gloss polished	300	50	20	1.5	4.5	288	12	18	M8	85	365
ES-5012238E			250	50	20	1.5	4.5	238	12	18	M8		320
ES-5012188E			200	50	20	1.5	4.5	188	12	18	M8		270
ES-5012150E			162	50	20	1.5	4.5	150	12	18	M8		235
ES-4010120E			130	40	11	1.5	3.5	120	10	15	M6	75	125
ES-4010110E			120	40	11	1.5	3.5	110	10	15	M6		120
ES-3009100E			109	30	11	1	3	100	9	13	M5	65	80

材質與表面處理

- 不銹鋼(SUS304)・亮面拋光。

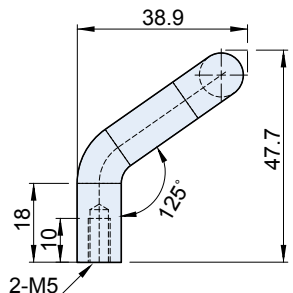
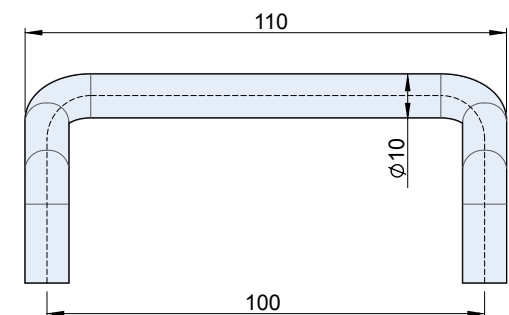
MATERIAL AND FINISH

- Stainless steel(SUS304), High gloss polished.

ET-44100W

棒材把手 Round-Bar Handle

RoHS



特徵

- 棒材把手：斜背式取手，特殊角度125度。

材質與表面處理

- 鋼材(1008)・鍍鉻色。

FEATURES

- Round-Bar Handle : Hatchback type handle, particular angle 125 degree.

MATERIAL AND FINISH

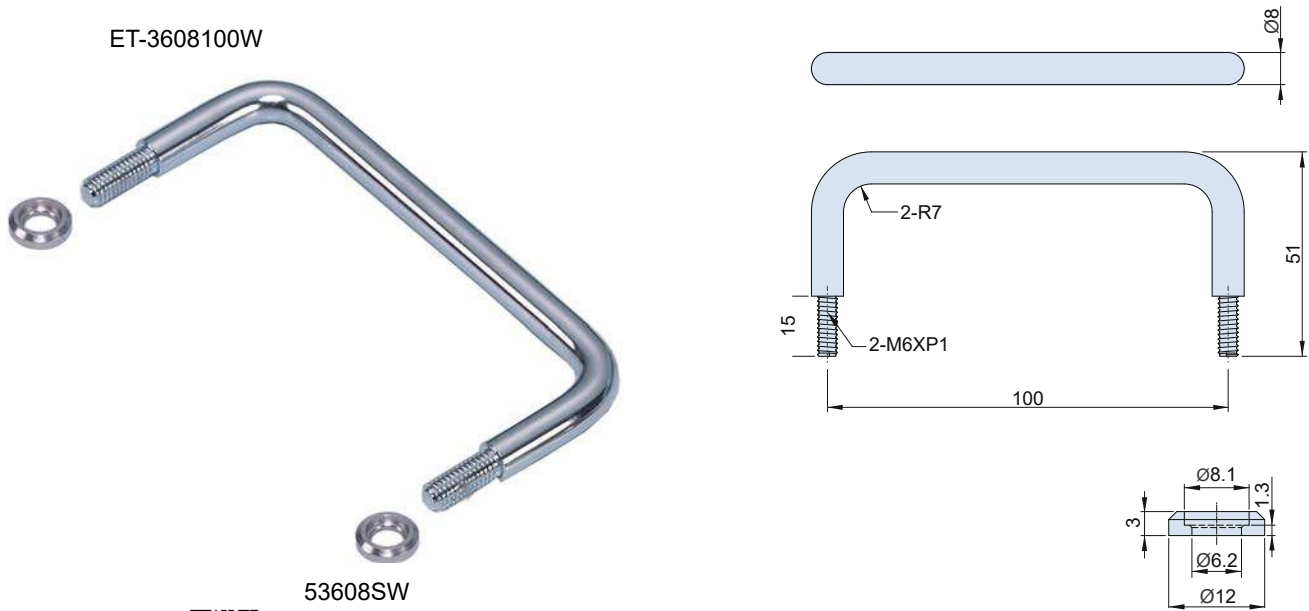
- Material: Steel(1008) - bright chrome plated.

SPECIFICATION :

Unit : mm

產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)
ET-44100W	鐵 Steel	鉻色 Bright chrome plated	120

ET-3608100W 棒材把手 Round-Bar Handle and Mounting Washers



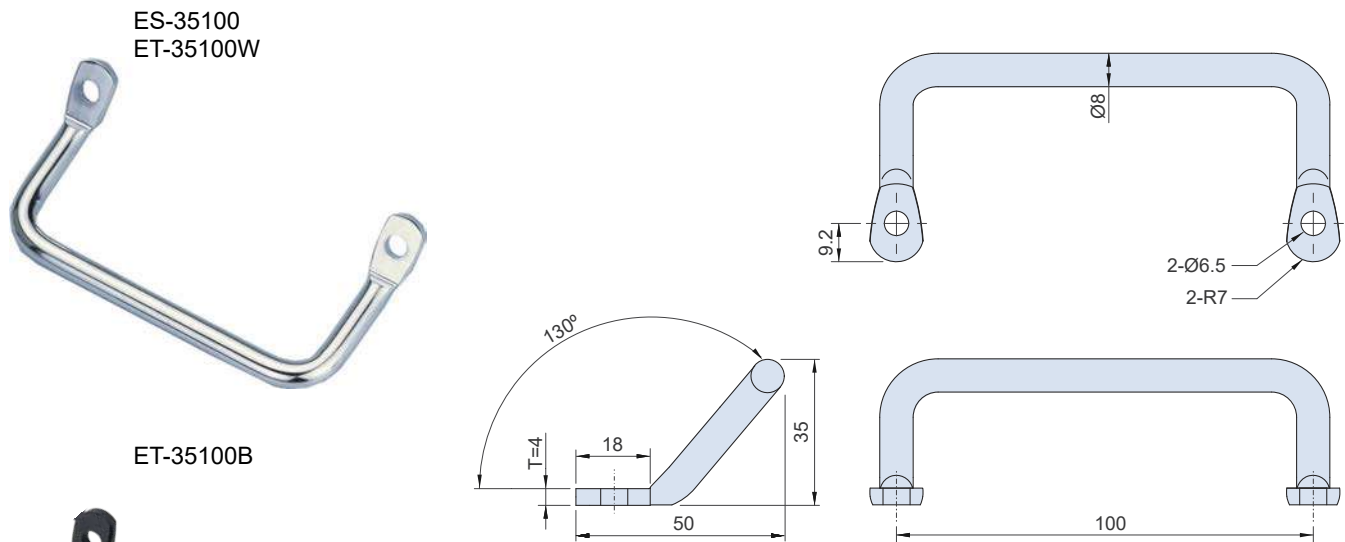
53608SW
可選配(May choose and match)

SPECIFICATIONS :

Unit : mm

產品編號 Item No.	品名 Description	材質 Material	表面處理 Finish	荷重 Load Capacity(kgf)	重量 Weight(g)
ET-3608100W	握把 Handle	鐵 Steel(1215)	鉻色 Bright chrome plated	50	56.2
53608SW	美觀座 Mounting washers	SUS304	亮面 Vibration ground		1.6

ES-35100
ET-35100 棒材把手 Round-Bar Handle



SPECIFICATIONS :

Unit : mm

產品編號 Item No.	材質 Material	表面處理 Finish	荷重 Load Capacity(kgf)	重量 Weight(g)
ES-35100	SUS304	亮面 Vibration ground	45	77
ET-35100W	Steel	鉻色 Bright chrome plated		76
ET-35100B		黑色 Black coating		

ET-012 Series 箱丸把手 Trunk Carrying Handle

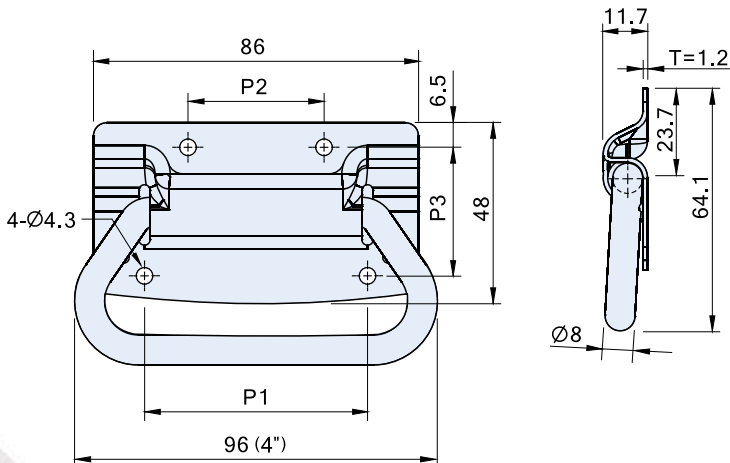


ET-01200B



ET-01200W

ET-01210A



SPECIFICATIONS :

Unit : mm

產品編號 Item No.	材質 Material	表面處理 Finish	尺寸 Dimensions	荷重 Load capacity (kg)	重量 Weight(g)
ET-01200B	SPCC	黑色 Black coated	P1 P2 P3	35	121.4
ET-01200W		鍍鋅 Zinc plated			
ET-01210A		材料本質 Nature			120.9

ES-D101 Series 箱丸把手 Trunk Carrying Handle



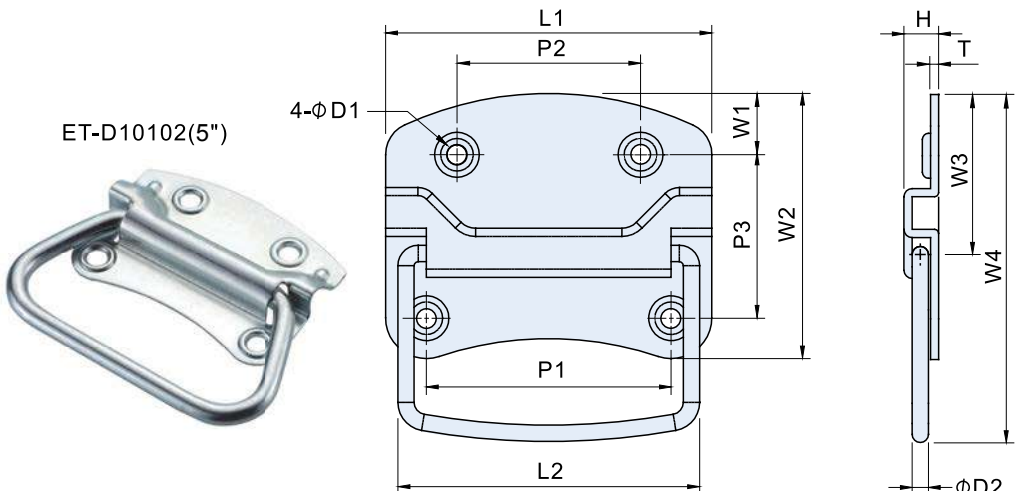
ES-D1013&ET-D10101(4")



ES-D1014&ET-D1011(3")



ET-D10102(5")

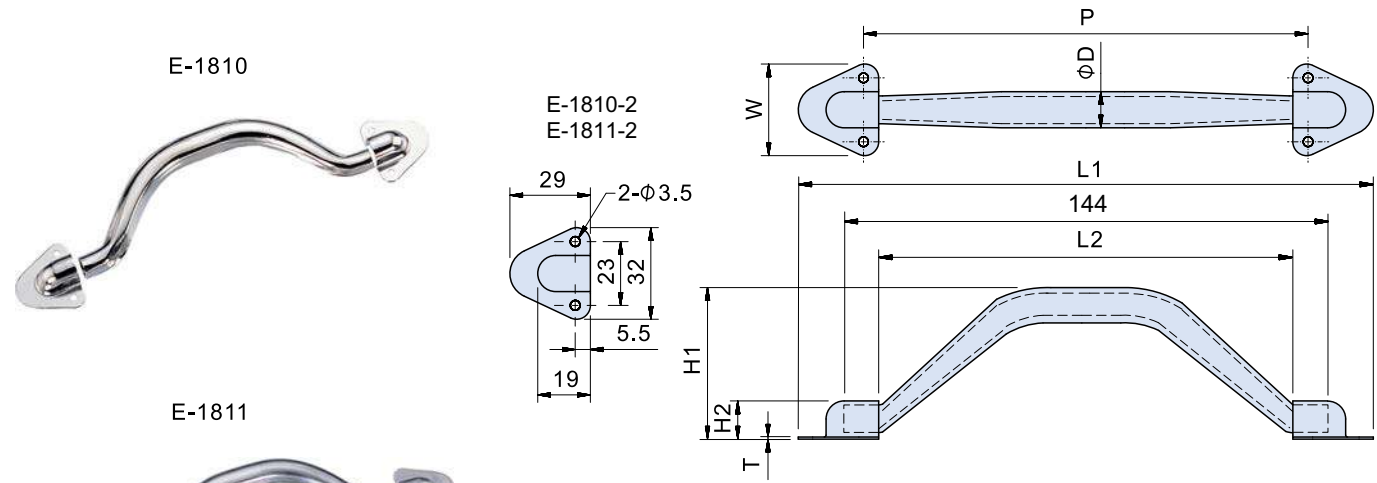


SPECIFICATIONS :

Unit : mm

產品編號 Item No.	材質 Material	表面處理 Finish	尺寸 Dimensions													荷重 Load Capacity (KG)	重量 Weight (g)
ES-D1014	SUS304	震動亮面 Vibration ground	L1	L2	W1	W2	W3	W4	H	T	P1	P2	P3	D1	D2	26	75.5
ET-D1011	SPCC	鍍鋅 Zinc plated															75.8
ES-D1013	SUS304	震動亮面 Vibration ground	101.4	95(4")	18	78	46.5	97	14	1.5	77	50	49	5.8	8	60	171.4
ET-D10101	SPCC	鍍鋅 Zinc plated	103	95.5(4")		77			12	1.1			48	5.8		50	149
ET-D10102	SPCC	鍍鋅 Zinc plated	102	126(5")	16	73		108	15	1.6	79.5	51	46.5	8	9	50	232

E-18 Series 拉起把手 Pull Handle



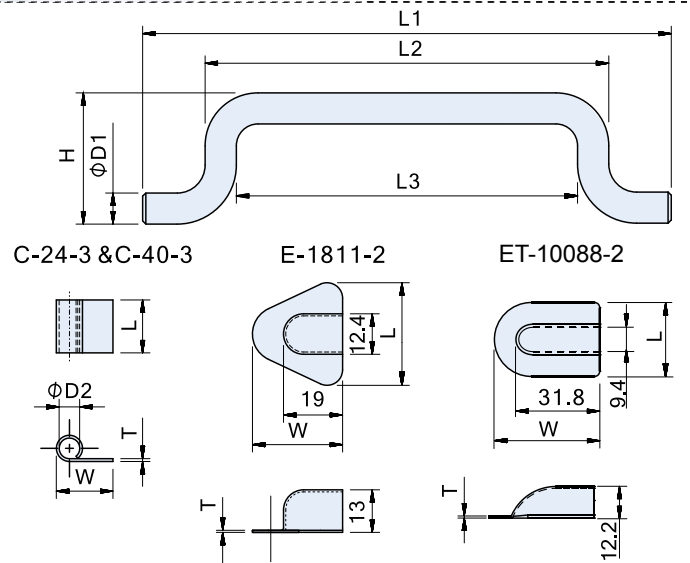
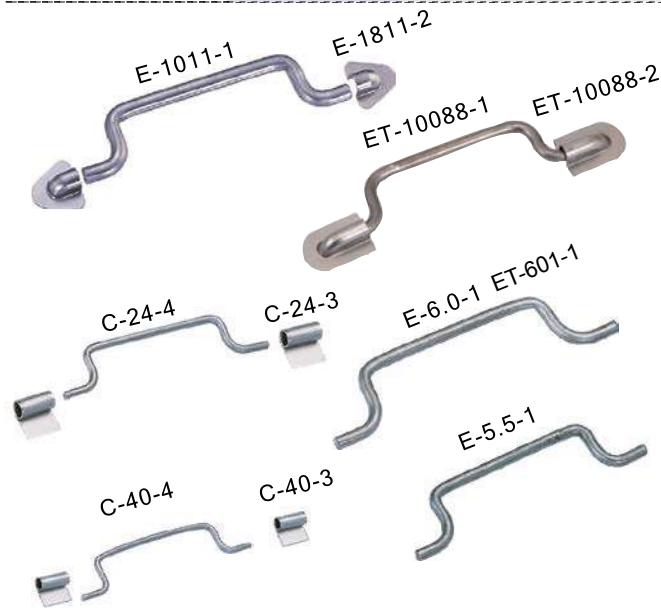
HOLDER SPECIFICATIONS: Unit:mm

產品編號 Item No.	材質 Material	表面處理 Finish	樣式區分 Type	重量 Weight(g)
E-1811-2	SPCC	材料本質 Natural	無孔焊接型 Weld-on	5.4
E-1810-2		鍍鎳 Nickel plated	有孔固定型 Screw-on/Rivet-on	5

SPECIFICATIONS: (With Holder) Unit:mm

產品編號 (含附件) Item No.	材質 Material	表面處理 Finish	樣式區分 Type	尺寸 Dimensions								重量 Weight(g)
				L1	L2	W	H1	H2	T	P	D	
E-1811	SPCC	材料本質 Natural	無孔焊接型 Weld-on	177	119	32	49	13	0.7	130	13.5	43.2
E-1810		鍍鎳 Nickel plated	有孔固定型 Screw-on/Rivet-on									

E-18 Series 拉起把手 Pull Handle



SPECIFICATIONS: Unit:mm

HOLDER SPECIFICATIONS:						Unit:mm	
產品編號 Item No.	尺 寸 Dimensions				適用 Apply to	重量 Weight(g)	
	L	W	T	D2			
E-1811-2	32	29	0.7	6.6	E-1011-1	5.4	
ET-10088-2	28.5	40.6	0.7		E-10088-1	8.5	
C-24-3	17	18.2	0.9	6.6	E-6.0-1	4.2	
					E-5.5-1		
					C-24-4		
C-40-3	13.1	13	0.6	4.8	C-40-4	1.4	

產品編號 Item No.	尺 寸 Dimensions					重量 Weight(g)
	L1	L2	L3	H	D1	
E-6.0-1	14	101	89	35.5	6	39.6
ET-601-1	154	113	101	32.8	6	41
E-5.5-1	121	86	75	30	5.5	28.3
C-24-4	106	72	64.5	23	3.8	11.4
C-40-4	90	64	58	20.5	3	6
E-1011-1	172	129	110	42.5	10	129
ET-10088-1	163.5	113.5	97.5	40.2	8	96

材質與表面處理

- 取手:鐵(1008), 材料本質。
- 取手座:鐵(SPCC), 材料本質。

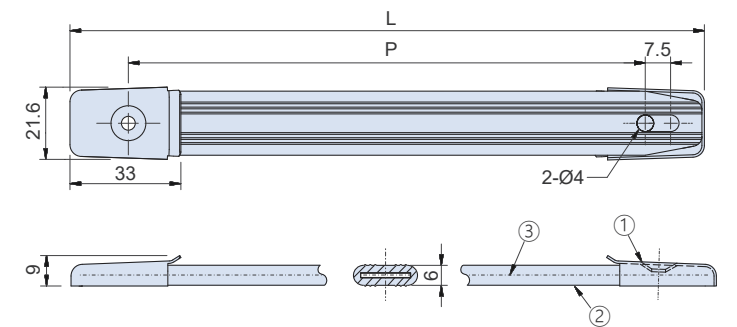
MATERIAL AND FINISH

- Handle: Steel (1008), Natural.
- Holder: Cold-rolled Steel (SPCC), Natural.

E-170 ES-170 Series 拉起把手 Pull Handle



E-170145-S, ES-170145-S



特徵

- 耐酸鹼、耐油。
- 適用溫度-20°C~75°C。
- ES-170 (SUS304): 適用於電氣設備、室外可攜設備、檢測儀器。
- 材料符合UL94 HB防火等級。

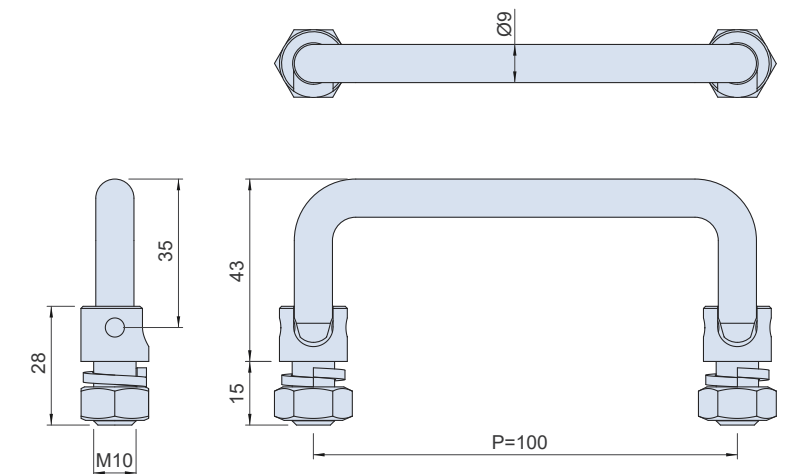
FEATURES

- Resistance to acid, alkali, greasiness.
- Working temperature: -20°C~75°C.
- ES-170 (SUS304): Apply to Electrical equipment, inspection equipment, portable outdoor equipment.
- Use the original raw material compliant with UL94 HB standards.

SPECIFICATION: Unit:mm

產品編號 Item No.	①取手座 Holder		②取手 ②Handle	③補強板(彈片) ③Reinforcing Plate		尺寸 Dimensions		荷重 Load Capacity (kgf)	重量 Weight (g)
	材質 Material	表面處理 Finish		材質 Material	表面處理 Finish	L	P		
E-170145-S	SPCC	鍍鎳 Nickel plated	塑膠 PVC Soft Plastic	SUS301	材料本質 Natural	180	145	35	31.4
E-170155-S						190	155		32.6
E-170145B-S		黑色 Black				180	145		31.4
E-170155B-S						190	155		32.6
ES-170145-S	SUS304	震動亮面 Vibration ground				180	145		31.4
ES-170155-S						190	155		32.6

ES-4309100 折疊把手 Folding Handle



特徵

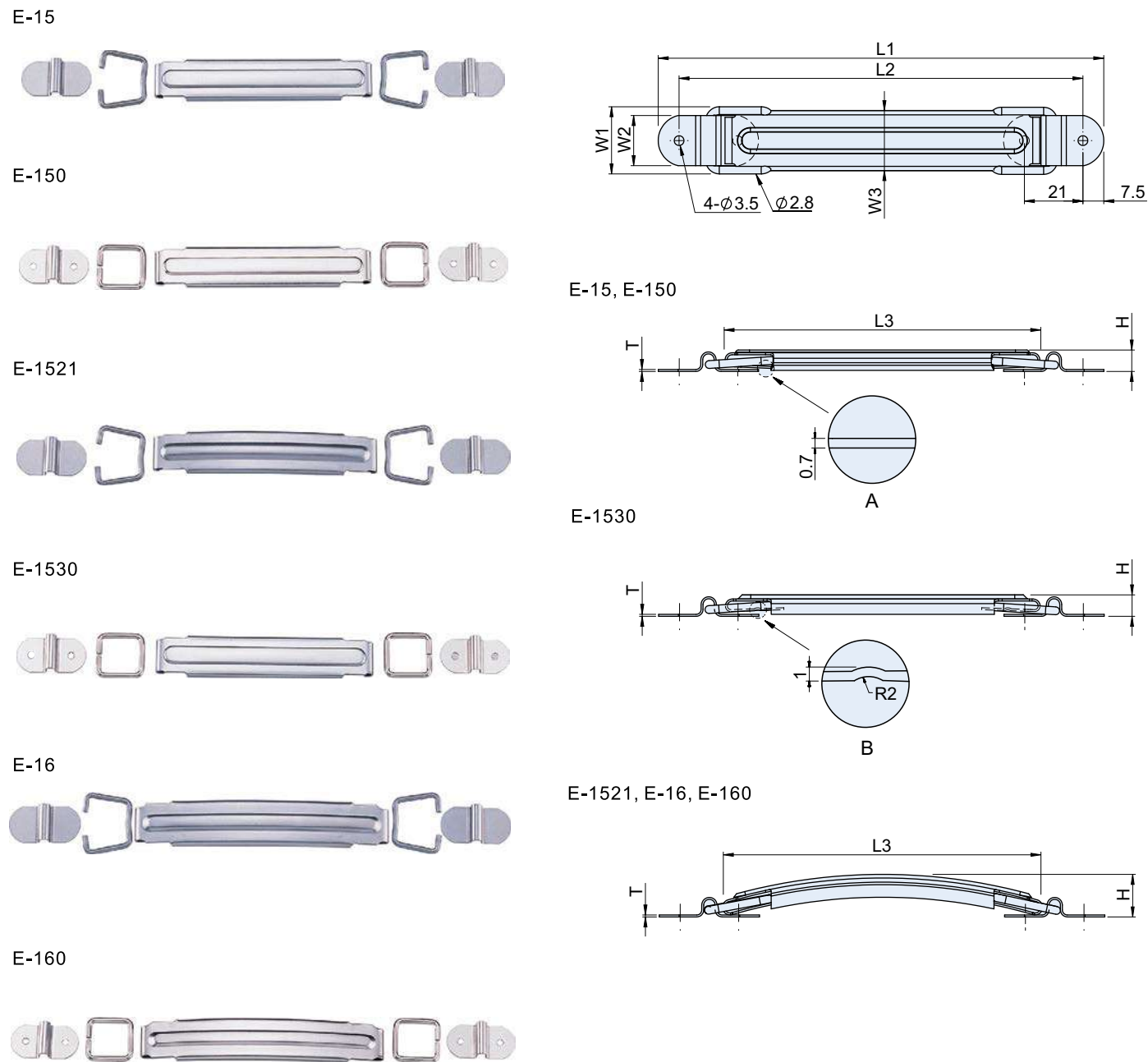
- 具 0° 與 90° 兩點折疊定位點，安裝簡易。

FEATURES

- With 0° & 90° two folding position points. Easy to assemble.

SPECIFICATION: Unit:mm

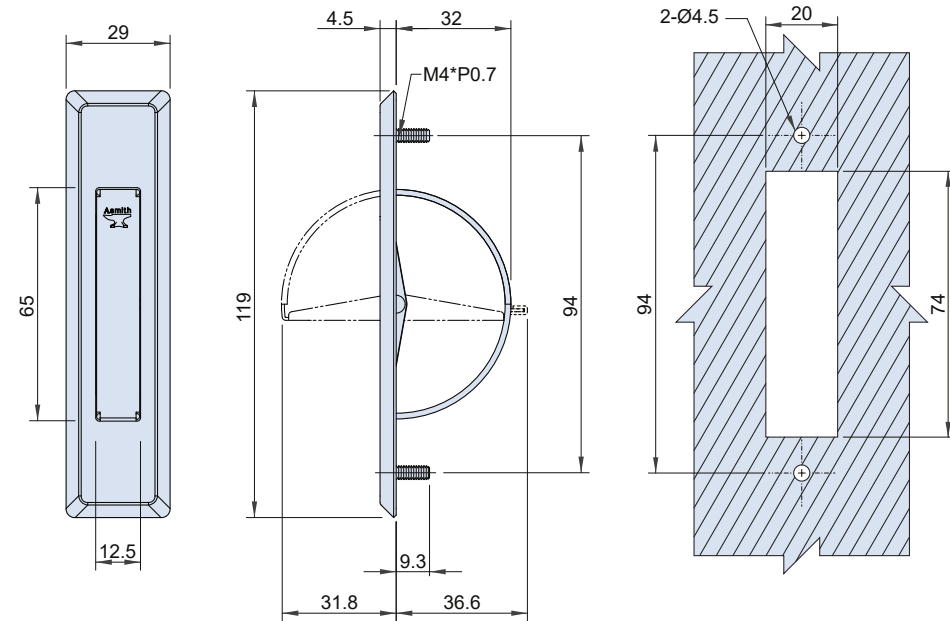
產品編號 Item No.	材質 Material	表面處理 Finish	適用板厚 Max. panel thickness	荷重 Load Capacity (kgf)	重量 Weight (g)
ES-4309100	SUS304	震動亮面 Vibration ground	5↓	60	134



SPECIFICATIONS:

產品編號 Item No.	材質 Material	表面處理 Finish	樣式區分 Type	尺寸 Dimensions								重量 Weight (g)
				L1	L2	L3	W1	W2	W3	H	T	
E-15	SPCC	材料本質 Natural	無孔焊接型 Weld-on	160	145	113	24.1	18	21.5	7.7	0.7	42.7
E-150		鍍 鎳 Nickel plated	有孔固定型 Screw-on/Rivet-on									
E-1521		材料本質 Natural	無孔焊接型 Weld-on									
E-1530		鍍 鎳 Nickel plated	有孔固定型 Screw-on/Rivet-on									
E-16		材料本質 Natural	無孔焊接型 Weld-on	172	157	128.5			23	13		50
E-160		鍍 鎳 Nickel plated	有孔固定型 Screw-on/Rivet-on									

ES-0831



材質與表面處理

- 表面毛絲處理，質感高雅大方。
- 手把為平面式可安全的使用在狹小擁擠的空間。
- 耐熱、耐腐蝕。

MATERIAL AND FINISH

- Outward appearance lofty artistic.
- Plane formula is to use safely in a narrow space.
- Heat-resisting, Anti-corrosive.

SPECIFICATION :

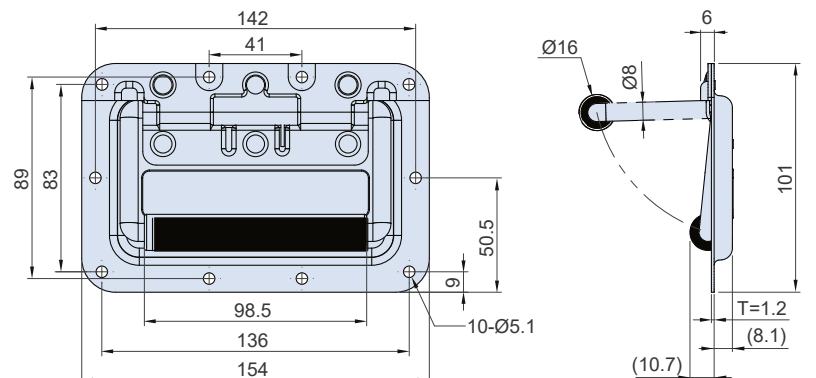
產品編號 Item No.	材質 Material	表面處理 Finish	重量 Weight(g)
ES-0831	SUS304	毛絲處理 Brushed finish	55

Unit : mm

ES-0730



使用例
Example of application



安裝開孔尺寸 Opening size

材質與表面處理

- 透過內建彈簧機構，握把在使用後能自動回彈並收納於凹槽內，使面板表面保持平整，降低因突出造成的碰撞風險。
- 塑膠握把部分使用 TPR 材質，提供舒適的握感。

MATERIAL AND FINISH

- With a built-in spring mechanism, the handle automatically returns and retracts into the recessed slot after use, keeping the panel surface flush and reducing the risk of accidental impact caused by protruding parts.
- The plastic grip is made of TPR (Thermoplastic Rubber), offering a comfortable and ergonomic feel during operation.

SPECIFICATION:

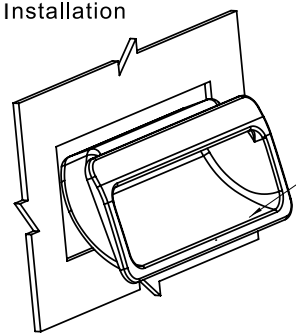
產品編號 Item No.	材質 Material	表面處理 Finish	荷重 Load Capacity (kgf)	重量 Weight (g)
ES-0730	SUS304	亮面處理 Vibration ground	150	360

Unit:mm

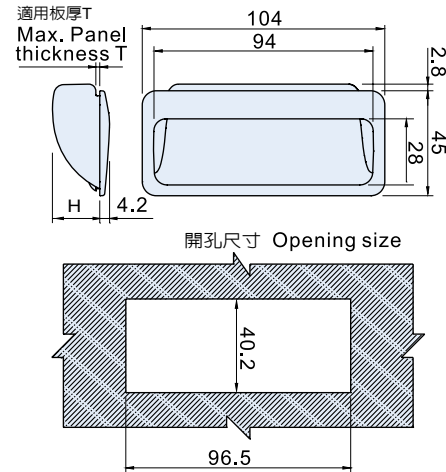
EP-05 Series 嵌入把手 Pocket Pull



Installation



由中間按壓
To Pull-press
among the
pocket pull.



特徵

- 能快速裝配在板件上，供手拉或手抬使用。
- 表面質感高雅美觀。
- 顏色可依客戶需求訂製MOQ：2000 pcs。
- 適用溫度-10℃~70℃。
- 材料符合UL94 HB防火等級。

用途

- 適用各產業之箱櫃體板件或門板上。

FEATURES

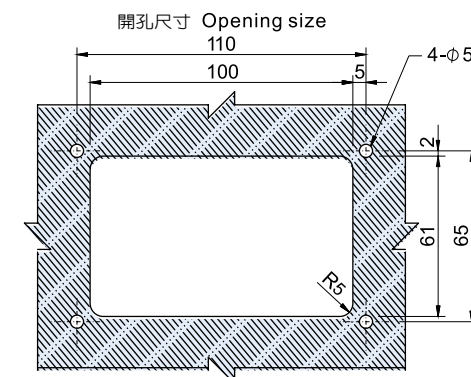
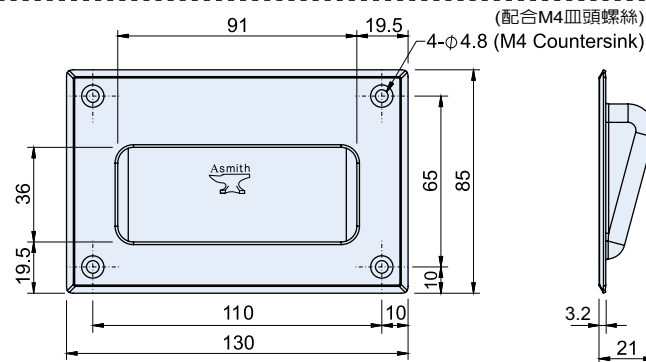
- Easy to assemble.
- Outward appearance lofty artistic.
- Optional custom color. MOQ: 2000 pcs.
- Working temperature between -10℃~70℃.
- Use the original raw material compliant with UL94 HB standards.

SPECIFICATION :

Unit : mm

產品編號 Item No.	外觀顏色 Color	材 質 Material	適用板厚(mm) Max. panel thickness T	高度H high	荷重 Load Capacity (kgf)	重量Weight(g)
EP-0510B	黑色 Black	ABS	1.0	20.3	30	22
EP-0512B			1.2			
EP-0516B			1.6			
EP-0520B			2.0			
EP-0523B			2.3			
EP-0530B	3.0		25.3	25		
EP-0550B	5.0					
EP-0580B	8.0					
EP-0510W	象牙白 Ivory white		1.0	20.3		22
EP-0512W			1.2			
EP-0516W			1.6			
EP-0520W			2.0			

ES-09300 嵌入把手 Pocket Pull



特徵

- 不銹鋼(SUS304)，表面毛絲處理，質感高雅大方。
- 手握處兩層板R型構造，握感輕鬆。
- 適用各產業機台或箱櫃體板件及門板供手拉或手抬使用。
- 適用無塵室之產業使用。

FEATURES

- Stainless steel (SUS304), Brushed finish.
- Outward appearance lofty artistic.
- A good R construction on hold portion of the pocket pull, feel free and easy when hold it.

SPECIFICATION :

Unit : mm

產品編號 Item No.	材 質 Material	表面處理 Finish	重量 Weight(g)
ES-09300	SUS304	毛絲處理 Brushed finish	141

ES-06 Series 嵌入把手 Pocket Pull



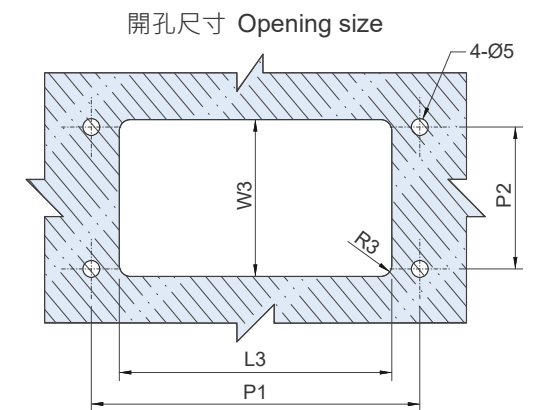
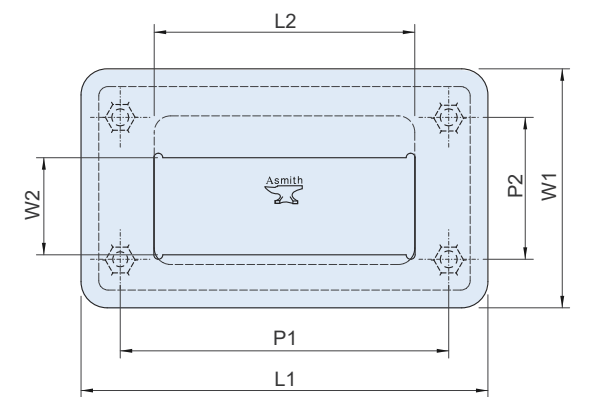
ES-0610 ES-0611



ES-0630 ES-0620
ES-0631 ES-0621



ES-0620B



特徵

- 表面毛絲處理，質感高雅大方。
- 手握處二層板厚R型構造，握感輕鬆。

用途

- 適用各產業機台或箱櫃體板件及門板供手拉或手抬使用。
- 適用無塵室之產業使用。

FEATURES

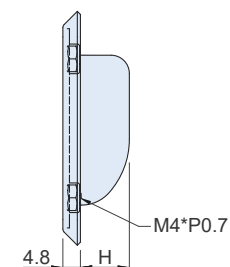
- Stainless steel (SUS304), Brushed finish.
- Outward appearance lofty artistic.
- A good R construction on hold portion of the pocket pull, feel free and easy when hold it.

SPECIFICATIONS :

Unit : mm

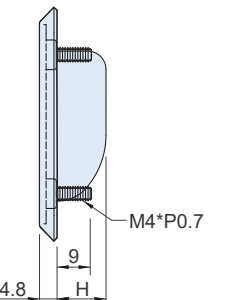
型式 Type	產品編號 Item No.	材質 Material	表面處理 Finish	尺寸 Dimensions								適用板厚 Max. panel thickness	荷重 Load Capacity (kgf)	重量 Weight (g)
				L1	L2	L3	W1	W2	W3	H	P1	P2		
螺絲固定式 Screw-on	ES-0610	SUS304	毛絲處理 Brushed finish	94	62	63	60	25	45	12	76	32	50	77.2
	ES-0620		毛絲處理 Brushed finish	110	70	73	65	26	42	15.2	88	38		95
	ES-0620B		黑色 Black	110	70	73	65	26	42	15.2	88	38		98
	ES-0630		毛絲處理 Brushed finish	139	97	99	89	36	64	21	110	65		186
螺母固定式 Thread Stud	ES-0611	SUS304	毛絲處理 Brushed finish	94	62	63	60	25	45	12	76	32	6 ↓	79.4
	ES-0621		毛絲處理 Brushed finish	110	70	73	65	26	42	15.2	88	38		97
	ES-0631		毛絲處理 Brushed finish	139	97	99	89	36	64	21	110	65		195

螺絲固定式
Screw-on



有效牙深 Inside thread depth
ES-061 : 3mm
ES-062 ES-063 : 3.5mm

螺母固定式
Thread Stud



適用板厚 : 6mm ↓
Max. Panel Thk. : 6mm ↓

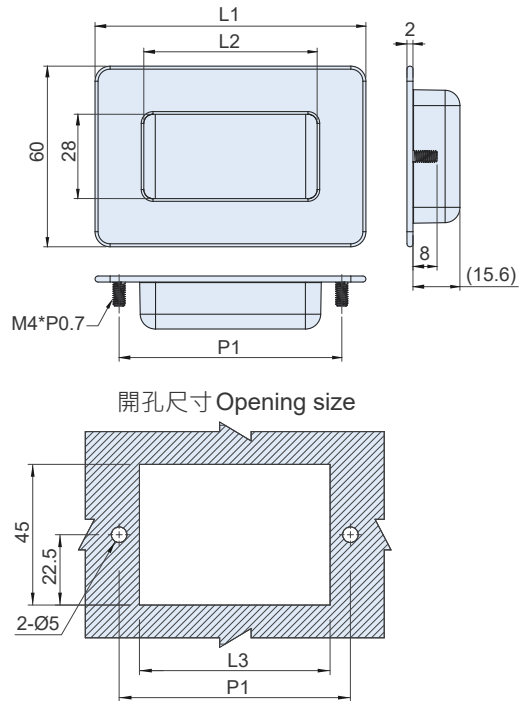
ES-13 Series 嵌入把手 Pocket Pull



ES-1311



ES-1321



特徵

- 附配件包：兩顆螺帽、華司-不鏽鋼。易組裝。
- 表面毛絲處理，質感高雅大方。
- 手握處四邊皆有R型構造，可減緩拉抬時的不適感，使握感較為輕鬆。
- 適用箱櫃體板件及門板供手拉使用，亦適用於無塵室之產業。

FEATURES

- With screws pack: Nuts+washer 2pcs. Easy to assemble.
- Brushed finish, outward appearance lofty artistic.
- A good R construction on hold portion of the pocket pull, feel free and easy when hold it.
- Applicable to clean room, machine and industry enclosure.

SPECIFICATIONS:

產品編號 Item No.	材質 Material	表面處理 Finish	尺寸 Dimensions					荷重 Load Capacity (kgf)	重量 Weight (g)
			L1	L2	L3	適用板厚 Max. panel thickness	P1		
ES-1311	SUS304	毛絲處理 Brushed finish	90	57.6	61	4.2	74	20	58
ES-1321			120	85.5	89		100		76

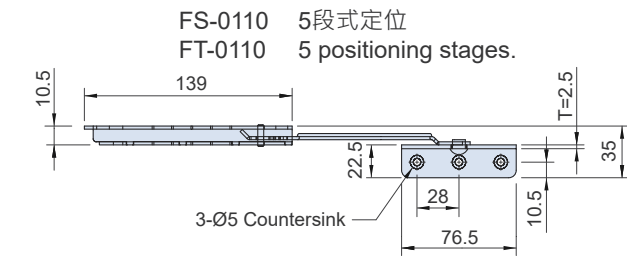
FS-01 FT-01 Series 支撐器 Lid Stay Holder, Regulator



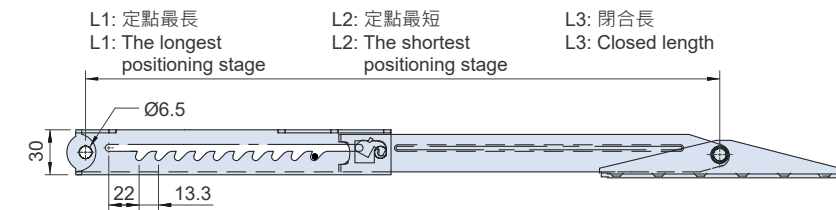
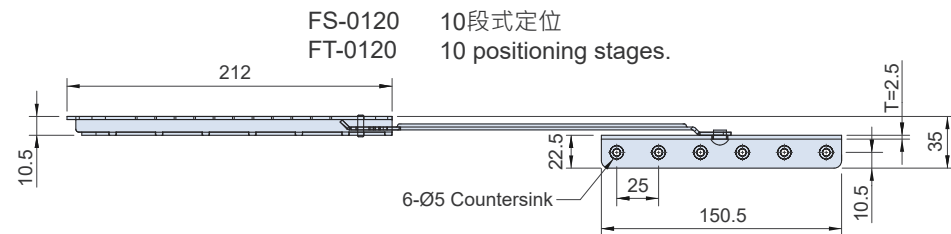
FT-0110



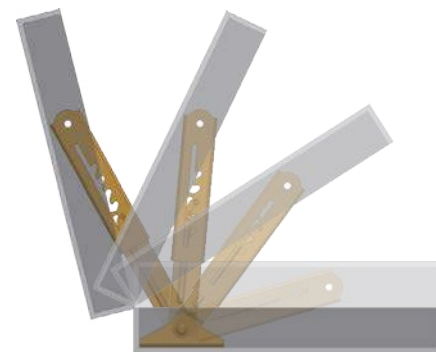
FS-0120



L1: 定點最長
L1: The longest
positioning stage
L2: 定點最短
L2: The shortest
positioning stage
L3: 閉合長
L3: Closed length



箱體關閉側視圖
A schematic side view when
shut the box.



開啟時能五段定位或十段定位，關閉時需拉到底才可閉合
Pulls upwards to the end when the
cover closes, then it closes downward.

特徵

- 適用開門方式：限上掀固定用。
- 開啟時能五段定位或十段定位，關閉時需拉到底才可閉合，操作簡單。

FEATURES

- Door opening manner: Upward opening.
- Circulating operation procedure, easy to operate.
(Open stage by stage → Fully opened → Close)
Close only after fully opened.

SPECIFICATION:

產品編號 Item No.	定位段數 Positioning stages	材質 Material	表面處理 Finish	尺寸 Dimensions			荷重 Load Capacity (kgf)	重量 Weight (g)
				L1	L2	L3		
FT-0110	5	SPCC	五彩 Chromic acid passivated	214	164	140	58	245
FT-0120	10			355	235	213		397
FS-0110	5	SUS304	震動亮面 Vibration ground	214	164	140		245
FS-0120	10			355	235	213		397

橡膠輪 Rubber Wheel GR series

複合配方的高彈力橡膠，具有高彈性、高荷重、高抗力、耐磨損、靜音、減震效果佳等優點，適合在需要緩衝的情況下使用，即使在凹凸不平的路面上也可輕鬆移動。具有高穩定性，在室內地面也可以優良保護且降低摩擦係數。橡膠輪有添加耐油劑，相較於市面的橡膠輪，耐油性好一些，但不建議用於高油質場所。

Elastic Rubber. With the features of high elasticity, excelling in load bearing, wear resistances, Elastic Rubber is suitable for using in the most of environment, especially the case of need buffer. Also, travel with high stability and reduce the friction coefficient, it can be easily moved in any uneven surface throughout indoors or outdoors. And rubber wheel has added some oil resistant agent, so that it has better resistance against oil.

**PU輪 PU Wheel GU series**

聚氨酯輪 PU，一般稱為優力膠輪，天然優力膠有非常良好的磨耗特性、不留輪痕、汙痕並且擁有優良的耐油與耐化學藥劑特性。天然灌注PU不會有水解的情況產生，可以維持穩定的材質硬度且對地面的汙染少，因此適用的範圍相當廣泛。

Polyurethane wheel is suppressive property against fouling to floor surface and the resistance against oil and chemical. Besides, natural perfusion PU can't be hydrolyzed, so it can maintain a stable material hardness and less pollution to the ground. The range of application is quite extensive.

**電木輪 Phenolic Wheel GX series**

電木獨特配方新原料搭配布質纖維，並以熱固性方式生產，此電木輪因結構性強，具有不易破碎、耐荷重、耐磨性強、耐高低温(-20~200°C)、耐環境抗力等優點，屬於腳輪所有材質中相對高階的產品。

Made of phenolic resin and the specific fabric through thermosetting process, phenolic wheels are high load capacities, resistant to extreme temperatures(-20~200°C) and high compression. It is the high-end material of caster.

**尼龍輪 Nylon Wheel GN series**

採高級尼龍原料(PA6)，抗潮溼、耐磨損、耐腐蝕、細屑不易侵入及重量輕等優點。

Nylon(PA6) is light in weight and excellent resistances against moisture, wear, and corrosion.

**塑膠輪(PP) Plastic Wheel GP series**

塑膠輪(聚丙烯輪 PP)。採高級耐衝擊塑膠原料製成塑膠輪，具抗潮濕、耐腐蝕、細屑不易侵入等優點，韌性與磨耗程度相較於尼龍輪稍低，但價格最為實惠。可應用於工作桌、倉儲物流設備、各式工作車等用途。

Polypropylene Wheel (PP). Use the high impact resistance material to product the plastic wheel. It is light weight and excellent in moisture and corrosion resistance. Also, the price is the most economical. It is suitable for most ground.

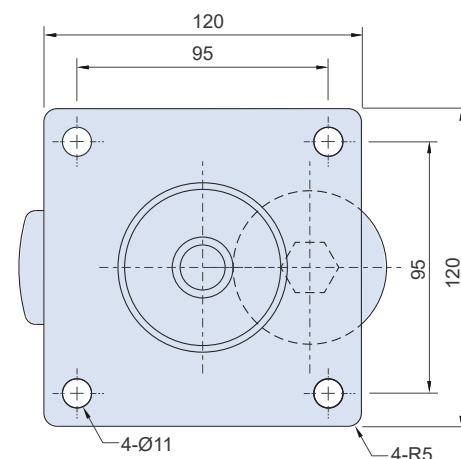


輪子材質特性表 General Properties of wheel material:

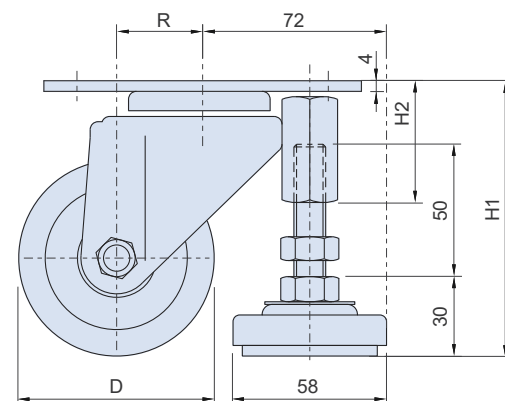
材質 Material	橡膠輪 Rubber Wheel	塑膠輪(PP) Plastic Wheel	尼龍輪 Nylon Wheel	電木輪 Phenolic Wheel	PU輪 PU Wheel	TPU輪 TPU Wheel
彈性 Elasticity	◎	×	×	×	○	○
耐磨性 Wear Resistance	◎	○	◎	○	◎	○
耐油性 Oil Resistance	△	○	◎	◎	◎	○
耐水性 Water Resistance	○	○	◎	○	△	△
耐化學腐蝕性 Chemical Resistance	△	△	◎	◎	△	○
耐熱性 (°C) Heat Resistance (°C)	60-80	80	80	200±20	80	80
耐寒性 (°C) Cold Resistance (°C)	-20	-30	-30	-20	-20	-20

◎-優 Excellent ○-良好 Good △-尚可 Normal ×-差 Bad

GN-A25204T



GN-A3205T

**特徵**

- 輪架表面處理鍍鉻。
- 尼龍輪採高級尼龍原料(PA6)，抗潮溼、耐磨損、耐腐蝕、細屑不易侵入及重量輕等優點。
- 腳座盤墊耐油脂橡膠，有止滑、減震功能，但不建議用於高油質場所。
- 滾輪附有腳座，可供設備調整水平高度。腳座與上方固定鉸無相連。

FEATURES

- The housing is chrome plated.
- Nylon Wheel(PA6) is light in weight and excellent resistances against moisture, wear, and corrosion.
- Leveling feet plate of rubber adopts to leveler with optimal oil & grease resistance, plus shock absorbing.
- With leveling feet can adjust the horizon.

SPECIFICATION:

產品編號 Item No.	輪架材質 Housing Material	輪子材質 Wheel Material	型式 Type	尺寸 Dimensions					荷重 Load Capacity (kgf/pc)	重量 Weight (kg)
				R	H1	H2	輪徑(D) Wheel Diameter	輪寬 Wheel Width		
GN-A25204T	鐵 Steel	尼龍 Nylon	培林 Bearing	28	92~104	39	61(2.5")	45	300	1.37
GN-A3205T				29	107~122	46	75(3")			

備註：為使移動順暢，建議移動時承載重量調整為 GN-A25204T：150kgf/pc · GN-A3205T：200kgf/pc

Remark: In order to make the movement smooth, it is recommended to move the load weight adjusted to GN-A25204T：150kgf/pc · GN-A3205T：200kgf/pc.

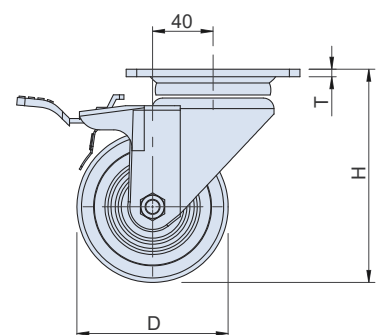
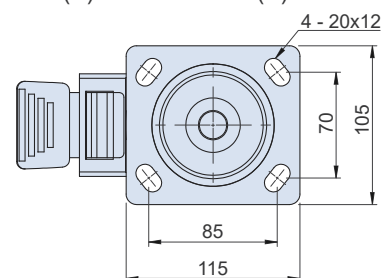
GR-(S)A42501
GR-(S)A52501
GR-(S)A62501



GR-(S)A42502
GR-(S)A52502
GR-(S)A62502



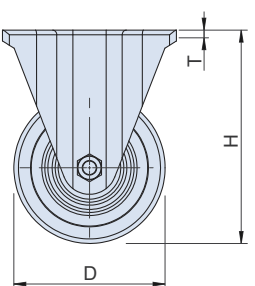
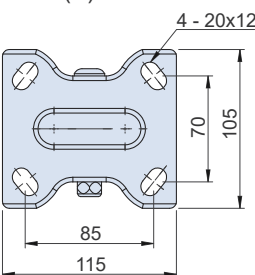
GR-(S)A42501
GR-(S)A52501
GR-(S)A62501



GR-(S)A42503
GR-(S)A52503
GR-(S)A62503



GR-(S)A42503
GR-(S)A52503
GR-(S)A62503



特徵

■ 彈力橡膠輪。複合配方的高彈力橡膠，具有高彈性、高荷重、高抗力、耐磨損、靜音、減震效果佳等優點。適合在需要緩衝的情況下使用，即使在凹凸不平的路面上也可輕鬆移動。具有高穩定性，在室內地面也可以優良保護且降低摩擦係數。橡膠輪有添加耐油劑，相較於市面的橡膠輪，耐油性好一些，但不建議用於高油質場所。

FEATURES

■ Elastic Rubber Wheel. With the features of high elasticity, excelling in load bearing, wear resistances, Elastic Rubber is suitable for using in the most of environment, especially the case of need buffer. Also, travel with high stability and reduce the friction coefficient, it can be easily moved in any uneven surface throughout indoors or outdoors. And rubber wheel has added some oil resistant agent, so that it has better resistance against oil.

SPECIFICATION:

產品編號 Item No.		輪子材質 Wheel Material	型式 Type	尺寸 Dimensions					荷重 Load Capacity (kgf/pc)	重量 Weight (kg)
輪架 Housing SUS304	輪架 Housing 鐵 Steel			H	T	輪徑(D) Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration		
GR-SA42501	GR-A42501	橡膠 Rubber	培林 Bearing	141	5	101(4")	50	95	300	1.70
GR-SA42502	GR-A42502							135		1.81
GR-SA42503	GR-A42503									1.08
GR-SA52501	GR-A52501			167	5	127(5")		105		1.93
GR-SA52502	GR-A52502							135		2.03
GR-SA52503	GR-A52503									1.30
GR-SA62501	GR-A62501			191	5	151(6")		120		2.19
GR-SA62502	GR-A62502							135		2.29
GR-SA62503	GR-A62503									1.57

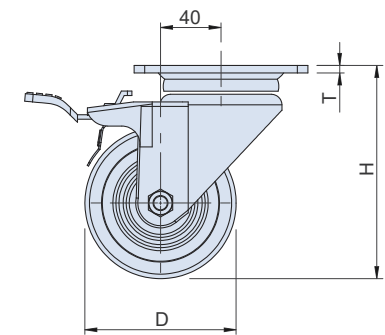
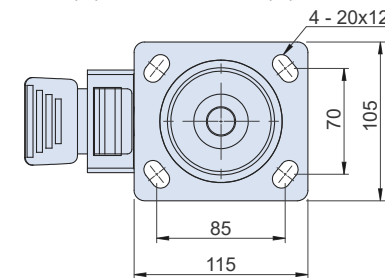
GN-(S)A42501
GN-(S)A52501
GN-(S)A62501



GN-(S)A42502
GN-(S)A52502
GN-(S)A62502



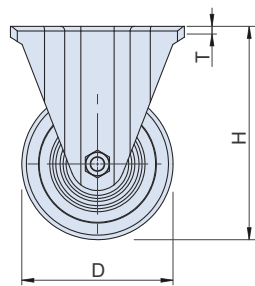
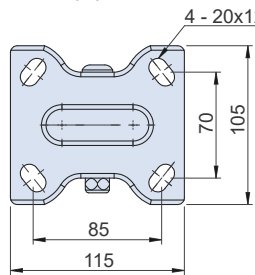
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GN-(S)A62501



GN-(S)A42503
GN-(S)A52503
GN-(S)A62503



GN-(S)A42503
GN-(S)A52503
GN-(S)A62503



特徵

■ 尼龍輪。採高級尼龍原料(PA6)，具有抗潮溼、耐磨損、耐腐蝕、細屑不易侵入及重量輕等優點。

FEATURES

■ Nylon Wheel(PA6) is light in weight and excellent resistances against moisture, wear, and corrosion.

SPECIFICATION:

產品編號 Item No.		輪子材質 Wheel Material	型式 Type	尺寸 Dimensions					荷重 Load Capacity(kgf/pc)		重量 Weight (kg)
輪架 Housing SUS304	輪架 Housing 鐵 Steel			H	T	輪徑(D) Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration	輪架 Housing SUS304	輪架 Housing 鐵 Steel	
GN-SA42501	GN-A42501	尼龍 Nylon	培林 Bearing	141	5	101(4")	50	95	350	300	1.61
GN-SA42502	GN-A42502				3			135			1.72
GN-SA42503	GN-A42503										0.99
GN-SA52501	GN-A52501			167	5	127(5")		105			1.78
GN-SA52502	GN-A52502				3			135			1.88
GN-SA52503	GN-A52503										1.15
GN-SA62501	GN-A62501			191	5	151(6")		120			1.96
GN-SA62502	GN-A62502				3			120			2.06
GN-SA62503	GN-A62503										1.34

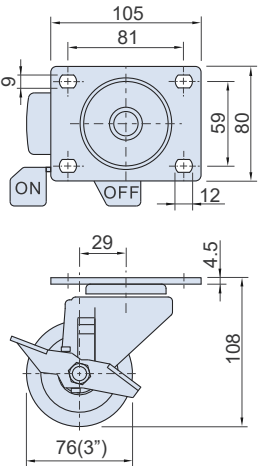


GX-T3201



GX-T3202

GX-T3201 / GX-T3203

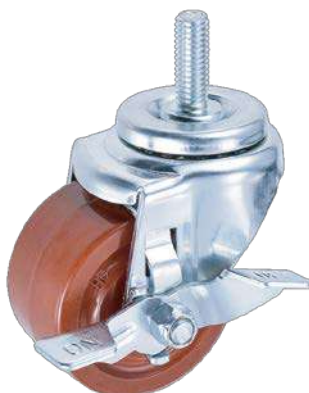
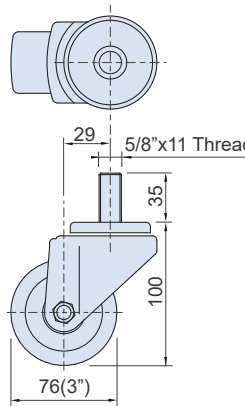


GX-T3203



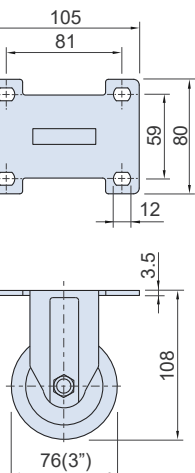
GX-T3205

GX-T3202 / GX-T3206



GX-T3206

GX-T3205



特徵

- 輪架表面處理鍍鋅。
- 電木輪。電木獨特配方新原料搭配布質纖維，並以熱固性方式生產，此電木輪因結構性強，具有不易破碎、耐荷重、耐磨性強、耐高低溫(-20~200°C)、耐環境抗力等優點，屬於腳輪所有材質中相對高階的產品。

FEATURES

- The housing is zinc plated.
- Wheel is made of phenolic resin and the specific fabric through thermosetting process, phenolic wheels are high load capacities, resistant to extreme temperatures(-20~200°C) and high compression. It is the high-end material of caster.

SPECIFICATION:

產品編號 Item No.	輪架材質 Housing Material	輪子材質 Wheel Material	型式 Type	尺寸 Dimensions			荷重 Load Capacity (kgf/pc)	重量 Weight (kg)
				輪徑 Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration		
GX-T3201	鐵 Steel	電木 Phenolic Resin	培林 Bearing	76(3'')	45	70	300	1.15
GX-T3202						70		0.93
GX-T3203						100		1.22
GX-T3205						100		0.81
GX-T3206						100		1.01

Unit:mm

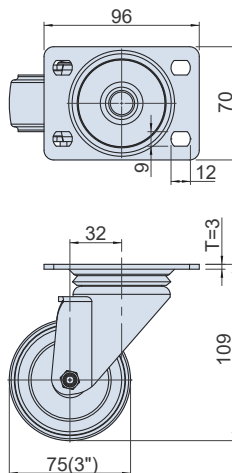


GN-SEA0751

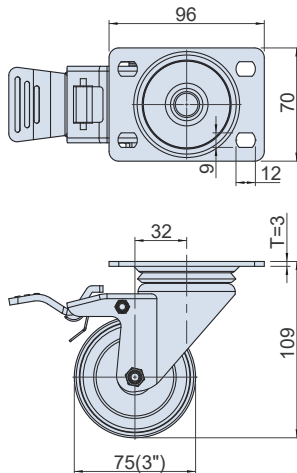


GN-SEA0752

GN-SEA0751



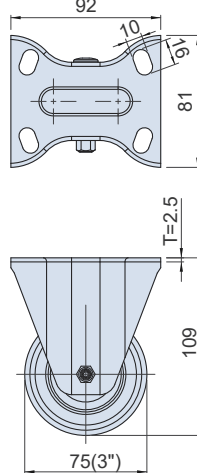
GN-SEA0752



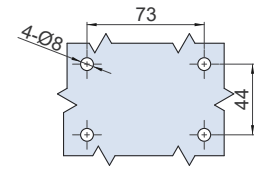
GN-SEA0753



GN-SEA0753



該系列可使用相同開孔尺寸
The series can use the same opening size



特徵

- 尼龍輪。採高級尼龍原料(PA6)，具有抗潮溼、耐磨損、耐腐蝕、細屑不易侵入及重量輕等優點。

FEATURES

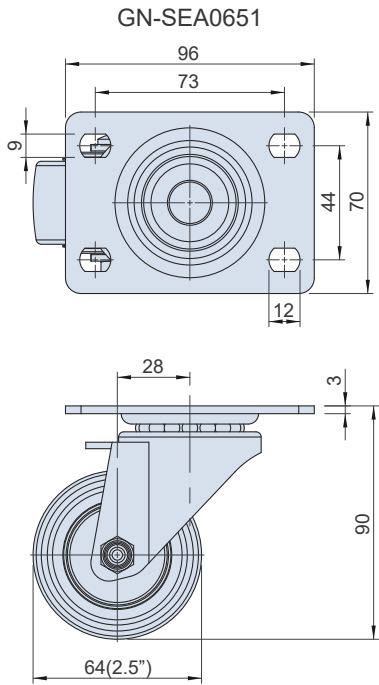
- Nylon Wheel(PA6) is light in weight and excellent resistances against moisture, wear, and corrosion.

SPECIFICATION:

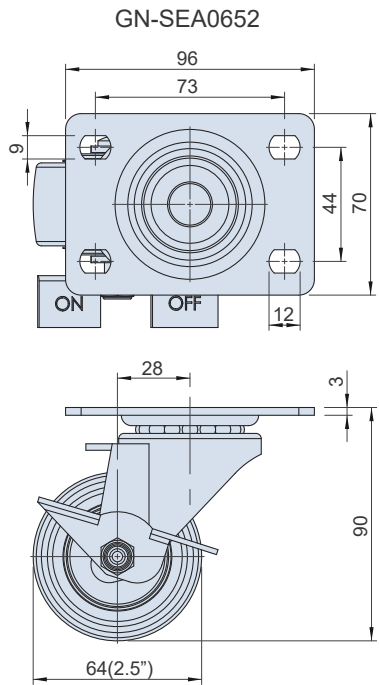
產品編號 Item No.	輪架材質 Housing Material	輪子材質 Wheel Material	尺寸 Dimensions			荷重 Load Capacity (kgf/pc)	重量 Weight (kg)
			輪徑 Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration		
GN-SEA0751	SUS304	尼龍 Nylon	75(3")	32	75	200	0.70
GN-SEA0752					110		0.77
GN-SEA0753							0.70

Unit:mm

GN-SEA0651



GN-SEA0652



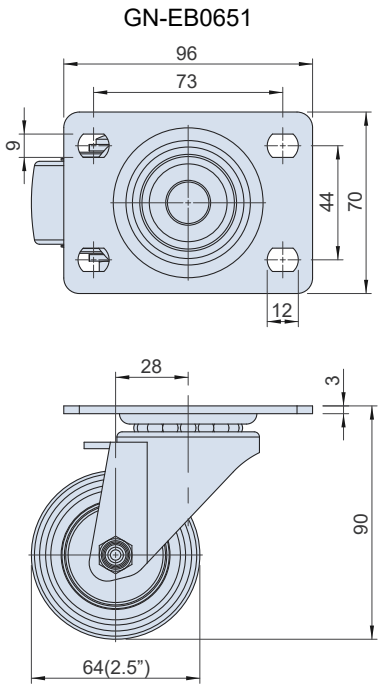
特徵

尼龍輪。採高級尼龍原料(PA6)，具有抗潮溼、耐磨損、耐腐蝕、細屑不易侵入及重量輕等優點。

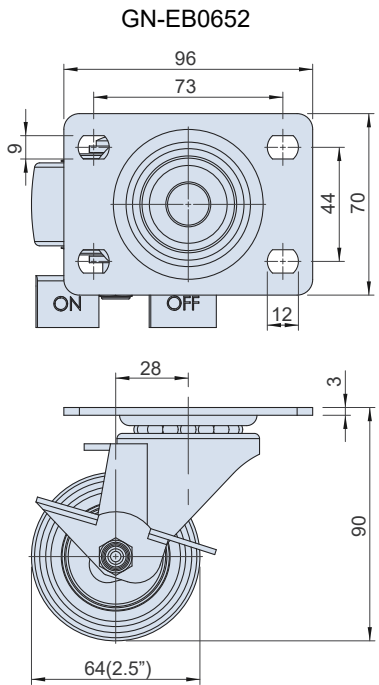
Nylon Wheel(PA6) is light in weight and excellent resistances against moisture, wear, and corrosion.

產品編號 Item No.	輪架材質 Housing Material	輪子材質 Wheel Material	尺寸 Dimensions			荷重 Load Capacity (kgf/pc)	重量 Weight (kg)
			輪徑 Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration		
GN-SEA0651	SUS304	尼龍 Nylon	64(2.5")	32	65	150	0.53
GN-SEA0652					80		0.56

GN-EB0651



GN-EB0652



特徵

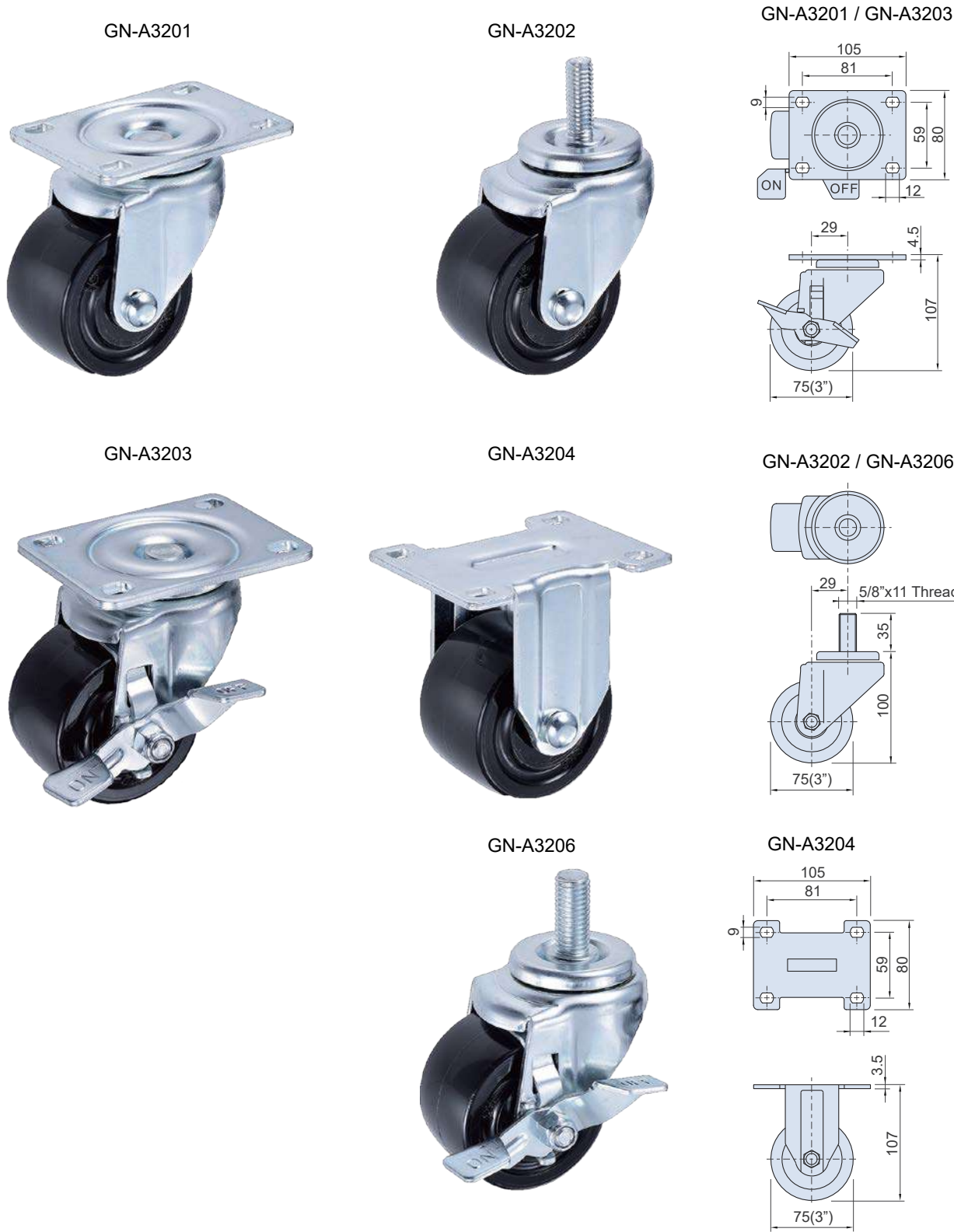
輪架表面處理鍍鋅。

尼龍輪。採高級尼龍原料(PA6)，具有抗潮溼、耐磨損、耐腐蝕、細屑不易侵入及重量輕等優點。

FEATURES

The housing is zinc plated.

Nylon Wheel(PA6) is light in weight and excellent resistances against moisture, wear, and corrosion.



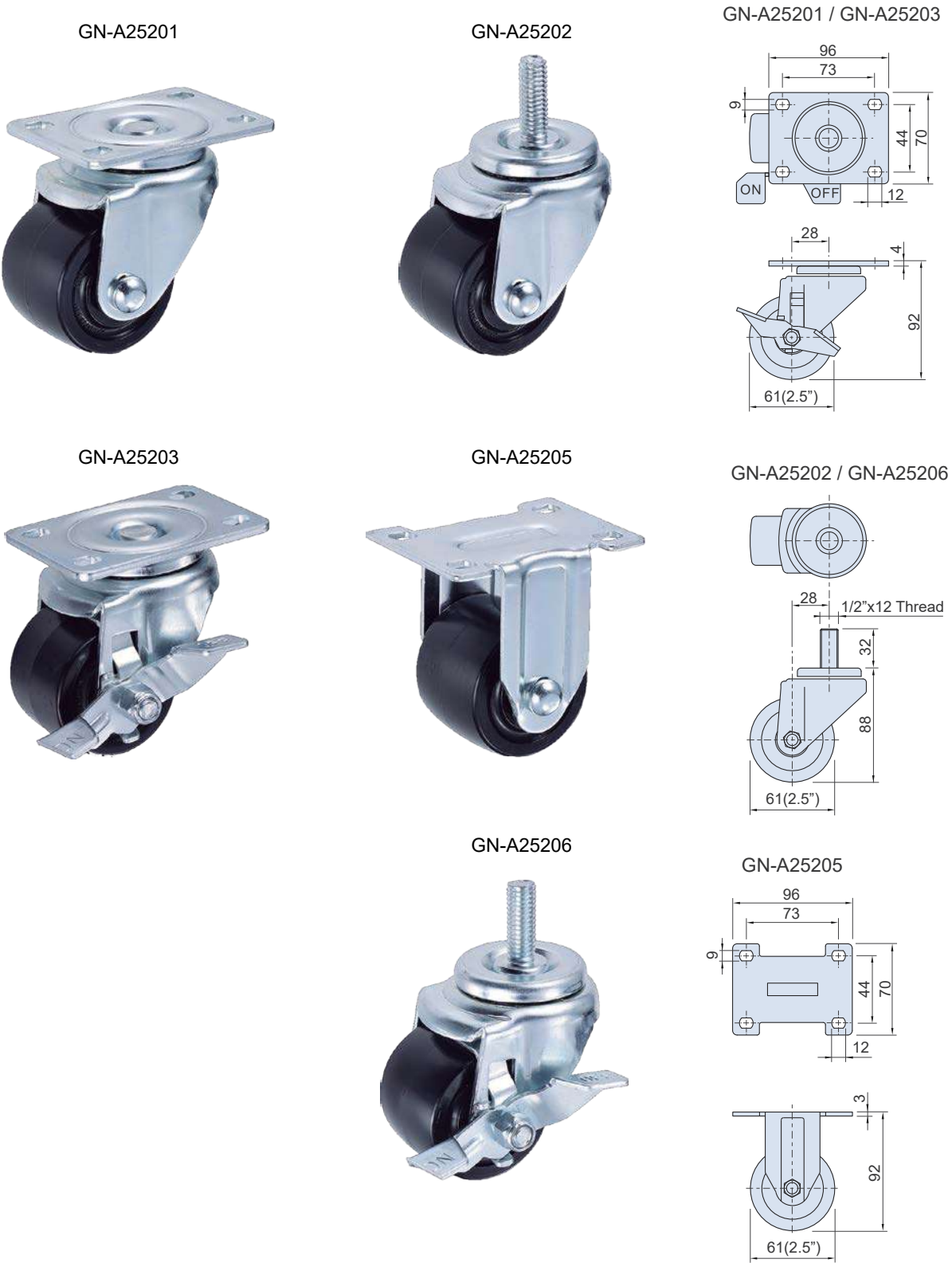
特徵

- 輪架表面處理鍍鋅。
- 尼龍輪。採高級尼龍原料(PA6)，具有抗潮溼、耐磨損、耐腐蝕、細屑不易侵入及重量輕等優點。

FEATURES

- The housing is zinc plated.
- Nylon Wheel(PA6) is light in weight and excellent resistances against moisture, wear, and corrosion.

SPECIFICATION:							Unit:mm		
產品編號 Item No.	輪架材質 Housing Material	輪子材質 Wheel Material	型式 Type	尺寸 Dimensions			荷重 Load Capacity (kgf/pc)	重量 Weight (kg)	
				輪徑 Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration			
GN-A3201	鐵 Steel	尼龍 Nylon	培林 Bearing	75(3")	45	70	250	1.12	
GN-A3202						70		0.87	
GN-A3203						100		1.15	
GN-A3204								0.75	
GN-A3206								0.95	



特徵

- 輪架表面處理鍍鋅。
- 尼龍輪。採高級尼龍原料(PA6)，具有抗潮溼、耐磨損、耐腐蝕、細屑不易侵入及重量輕等優點。

FEATURES

- The housing is zinc plated.
- Nylon Wheel(PA6) is light in weight and excellent resistances against moisture, wear, and corrosion.

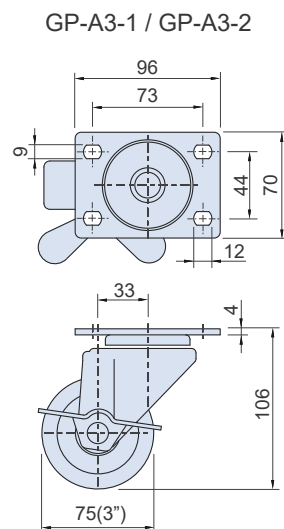
SPECIFICATION:							Unit:mm		
產品編號 Item No.	輪架材質 Housing Material	輪子材質 Wheel Material	尺寸 Dimensions			荷重 Load Capacity (kgf/pc)	重量 Weight (kg)		
			輪徑 Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration				
GN-A25201	鐵 Steel	尼龍 Nylon	61(2.5")	45	65	200	0.88		
GN-A25202					65		0.71		
GN-A25203					95		0.92		
GN-A25205					95			0.75	
GN-A25206								0.79	



GP-A3-1



GP-A3-2



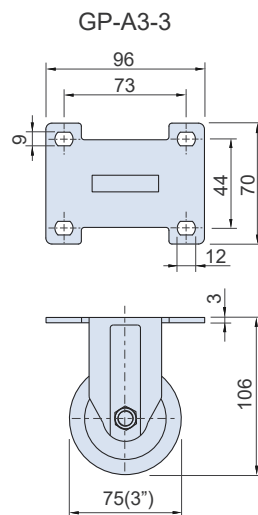
GP-A3-1 / GP-A3-2



GP-A3-3



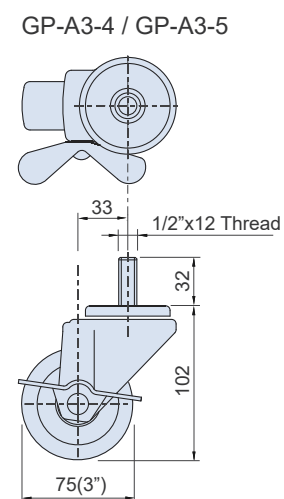
GP-A3-4



GP-A3-3



GP-A3-5



GP-A3-4 / GP-A3-5

特徵

- 輪架表面處理鍍鋅。
- 塑膠輪(聚丙烯輪 PP)。採高級耐衝擊塑膠原料製成塑膠輪，具抗潮濕、耐腐蝕、細屑不易侵入等優點，韌性與磨耗程度相較於尼龍輪稍低，但價格最為實惠。可應用於工作桌、倉儲物流設備、各式工作車等用途。

FEATURES

- The housing is zinc plated.
- Polypropylene Wheel (PP). Use the high impact resistance material to product the plastic wheel. It is light weight and excellent in moisture and corrosion resistance. Also, the price is the most economical. It is suitable for most ground.

SPECIFICATION:

產品編號 Item No.	輪架材質 Housing Material	輪子材質 Wheel Material	尺寸 Dimensions			荷重 Load Capacity (kg/pc)	重量 Weight (kg)
			輪徑 Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration		
GP-A3-1	鐵 Steel	塑膠 PP Plastic	75(3")	32	75	150	0.63
GP-A3-2					100		0.65
GP-A3-3					75		0.50
GP-A3-4					75		0.72
GP-A3-5					100		0.75

Unit:mm



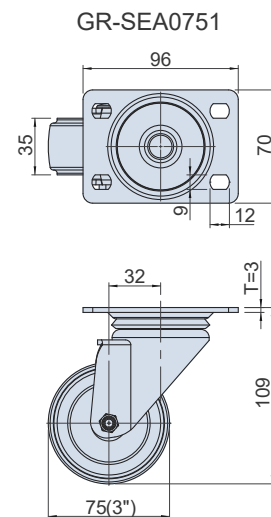
GR-SEA0751



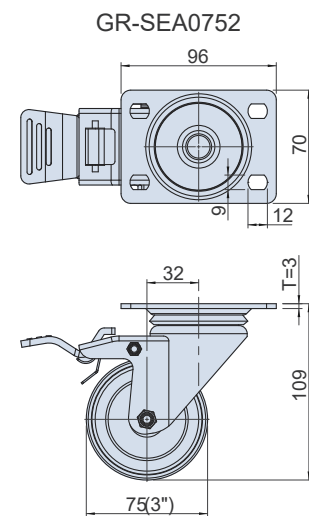
GR-SEA0752



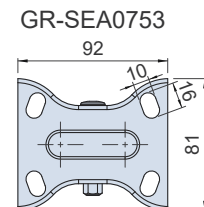
GR-SEA0753



GR-SEA0751



GR-SEA0752



GR-SEA0753

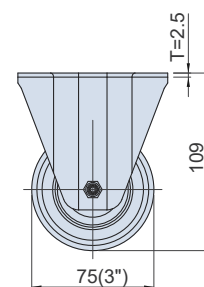
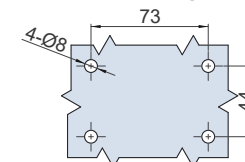
特徵

- 兩側均有防塵輪蓋，可預防細屑侵入及美化外觀等優點。
- 彈力橡膠輪。複合配方的高彈力橡膠，具有高彈性、高荷重、高抗力、耐磨損、靜音、減震效果佳等優點，適合在需要緩衝的情況下使用，即使在凹凸不平的路面上也可輕鬆移動。具有高穩定性，在室內地面也可以優良保護且降低摩擦係數，橡膠輪有添加耐油劑，相較於市面的橡膠輪，耐油性好一些，但不建議用於高油質場所。

FEATURES

- Special dust-pooof hubs design.
- Elastic Rubber Wheel. With the features of high elasticity, excelling in load bearing, wear resistances, Elastic Rubber is suitable for using in the most of environment, especially the case of need buffer. Also, travel with high stability and reduce the friction coefficient, it can be easily moved in any uneven surface throughout indoors or outdoors. And rubber wheel has added some oil resistant agent, so that it has better resistance against oil.

該系列可使用相同開孔尺寸
The series can use the same opening size



SPECIFICATION:

產品編號 Item No.	輪架材質 Housing Material	輪子材質 Wheel Material	型式 Type	尺寸 Dimensions			荷重 Load Capacity (kgf/pc)	重量 Weight (kg)
				輪徑 Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration		
GR-SEA0751	SUS304	橡膠 Rubber	培林 Bearing	75(3")	35	75	200	0.79
GR-SEA0752						110		0.85
GR-SEA0753								0.825

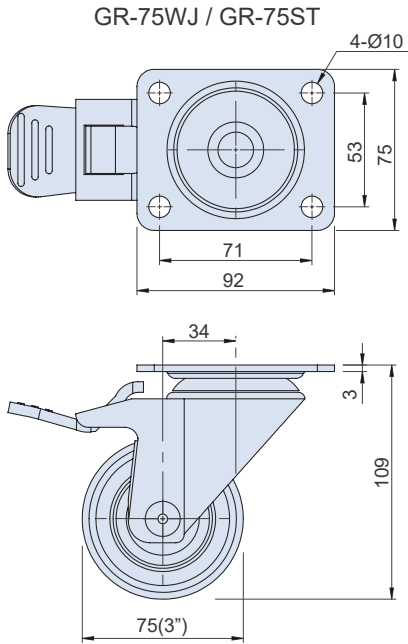
Unit:mm



GR-75WJ

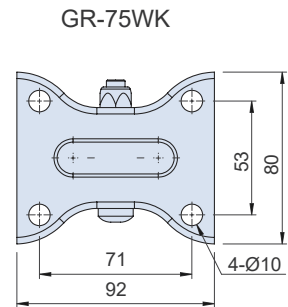


GR-75ST

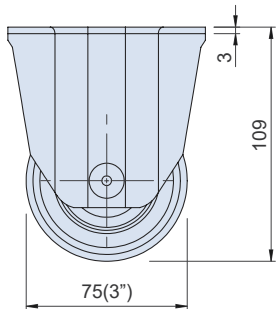


GR-75WJ / GR-75ST

GR-75WK



GR-75WK



特徵

- 輪架表面處理鍍鋅。
- 兩側均有防塵輪蓋，可預防細屑侵入及美化外觀等優點。
- 彈力橡膠輪。複合配方的高彈力橡膠，具有高彈性、高荷重、高抗力、耐磨損、靜音、減震效果佳等優點，適合在需要緩衝的情況下使用，即使在凹凸不平的路面上也可輕鬆移動。具有高穩定性，在室內地面也可以優良保護且降低摩擦係數。橡膠輪有添加耐油劑，相較於市面的橡膠輪，耐油性好一些，但不建議用於高油質場所。

FEATURES

- The housing is zinc plated.
- Special dust-pooof hubs design.
- Elastic Rubber Wheel. With the features of high elasticity, excelling in load bearing, wear resistances, Elastic Rubber is suitable for using in the most of environment, especially the case of need buffer. Also, travel with high stability and reduce the friction coefficient, it can be easily moved in any uneven surface throughout indoors or outdoors. And rubber wheel has added some oil resistant agent, so that it has better resistance against oil.

SPECIFICATION:

產品編號 Item No.	輪架材質 Housing Material	輪子材質 Wheel Material	型式 Type	尺寸 Dimensions			荷重 Load Capacity (kgf/pc)	重量 Weight (kg)
				輪徑 Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration		
GR-75WJ	鐵 Steel	橡膠 Rubber	培林 Bearing	75(3")	35	75	150	0.81
GR-75ST						110		0.87
GR-75WK								0.56



GU-A3-1



GU-A3-2



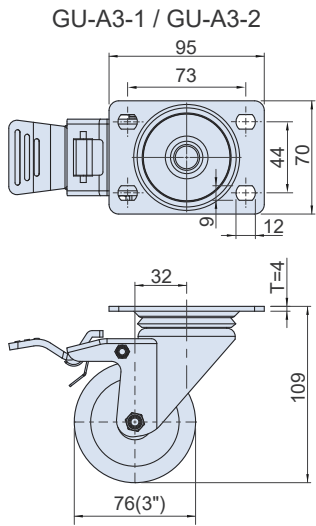
GU-A3-3



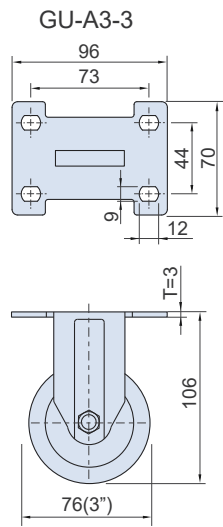
GU-A3-4



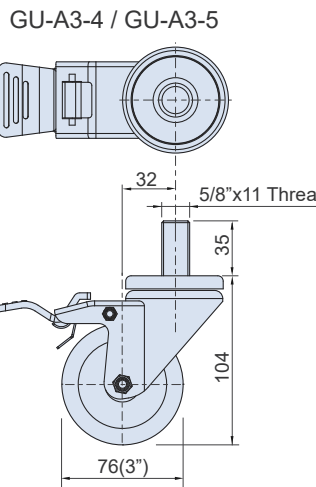
GU-A3-5



GU-A3-1 / GU-A3-2



GU-A3-3



GU-A3-4 / GU-A3-5

特徵

- 輪架表面處理鍍鋅。
- 兩側均有防塵輪蓋，可預防細屑侵入及美化外觀等優點。
- 聚氨酯輪 PU輪，一般稱為優力膠輪，天然優力膠有非常良好的磨耗特性、不留輪痕、汙痕並且擁有優良的耐油與耐化學藥劑特性。天然灌注PU不會有水解的情況產生，可以維持穩定的材質硬度且對地面的汙染少，因此適用的範圍相當廣泛。

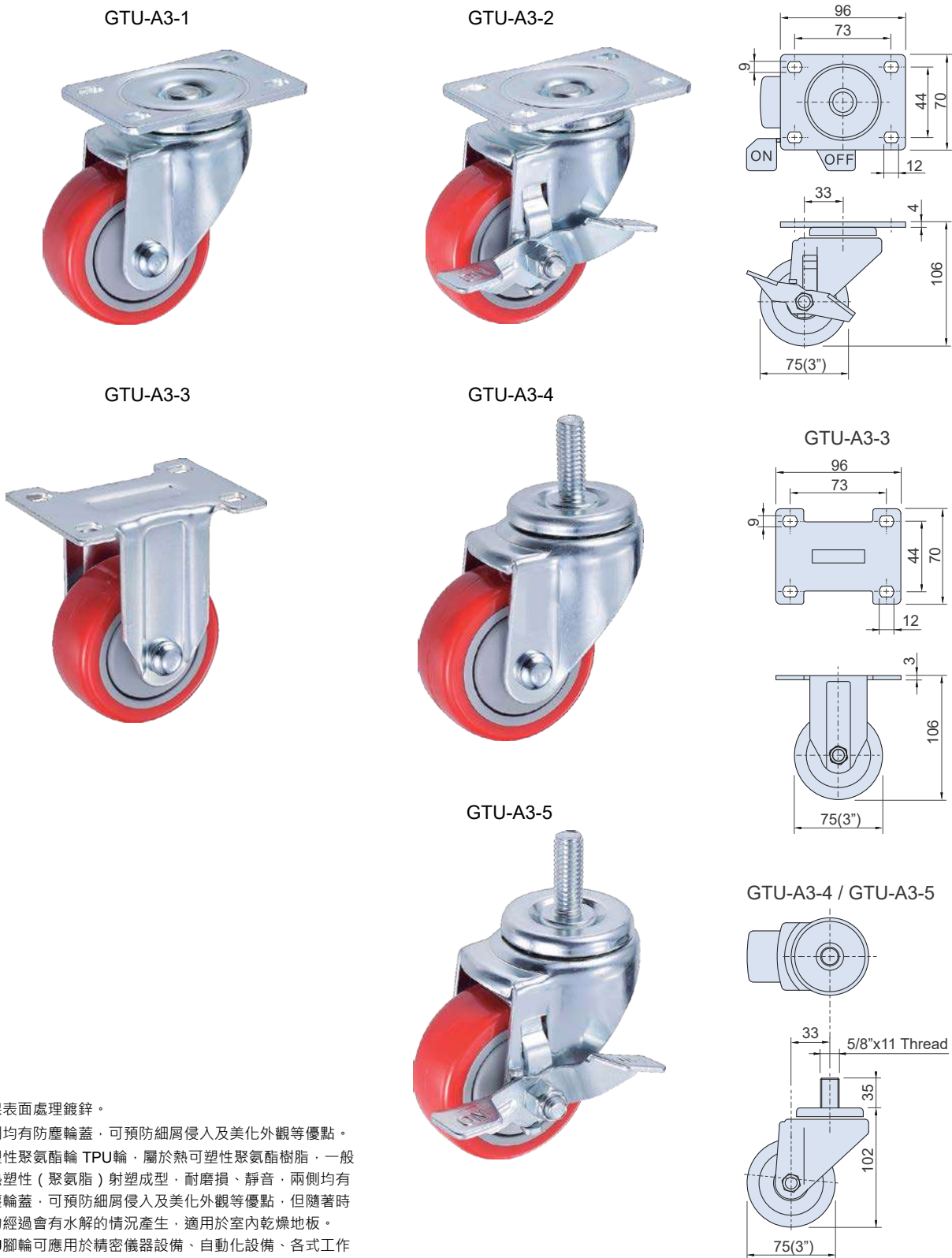
FEATURES

- The housing is zinc plated.
- Special dust-pooof hubs design.
- Polyurethane wheel is suppressive property against fouling to floor surface and the resistance against oil and chemical. Besides, natural perfusion PU can't be hydrolyzed, so it can maintain a stable material hardness and less pollution to the ground. The range of application is quite extensive.

SPECIFICATION:

產品編號 Item No.	輪架材質 Housing Material	輪子材質 Wheel Material	型式 Type	尺寸 Dimensions			荷重 Load Capacity (kgf/pc)	重量 Weight (kg)	
				輪徑 Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration			
GU-A3-1	鐵 Steel	PU	培林 Bearing	76(3")	35	75	200	0.83	
GU-A3-2						110		0.90	
GU-A3-3								0.54	
GU-A3-4								0.75	
GU-A3-5								0.82	

Unit:mm



特徵

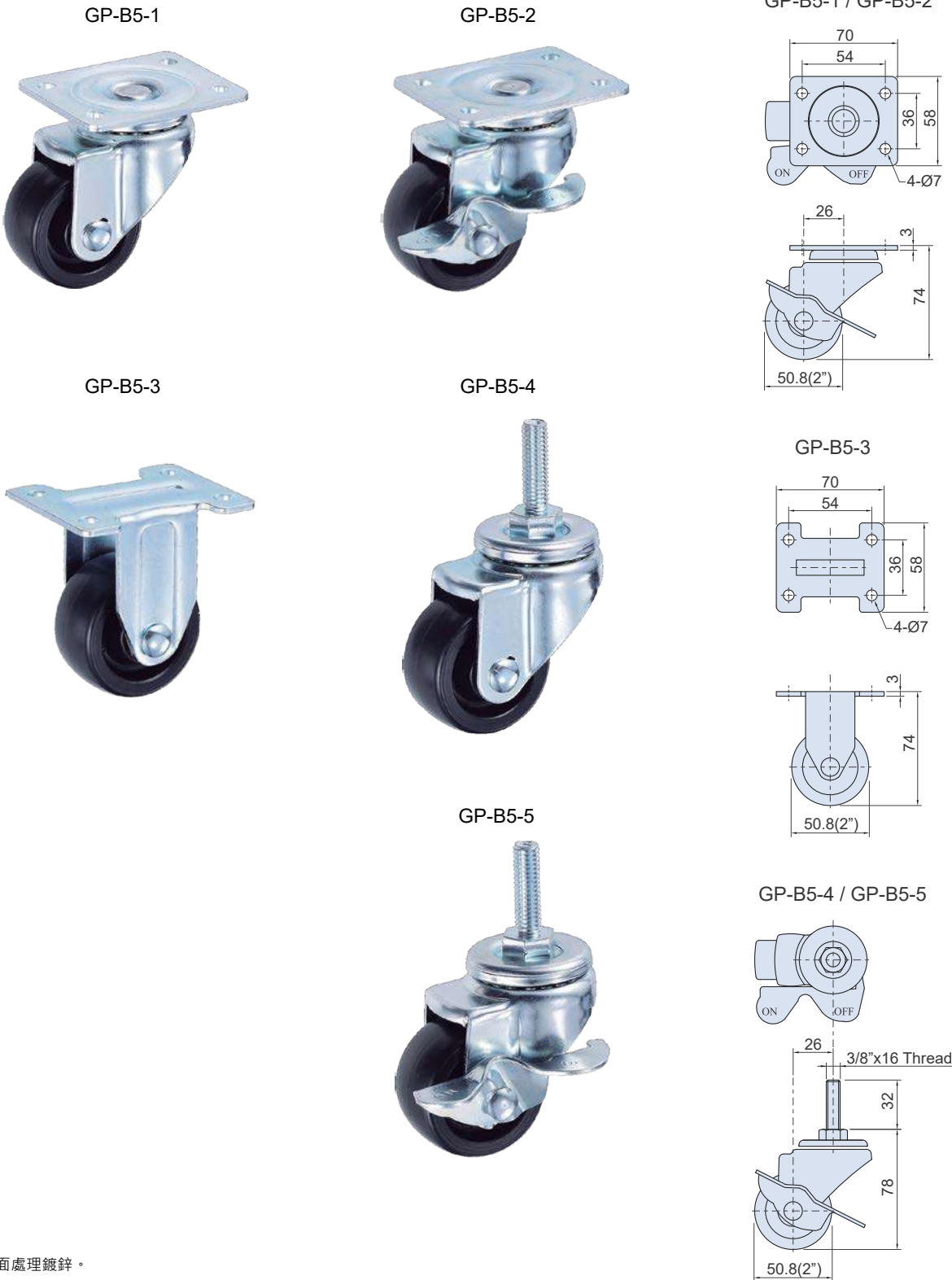
- 輪架表面處理鍍鋅。
- 兩側均有防塵輪蓋，可預防細屑侵入及美化外觀等優點。
- 熱塑性聚氨酯輪 TPU輪，屬於熱可塑性聚氨酯樹脂，一般採熱塑性（聚氨酯）射塑成型，耐磨損、靜音，兩側均有防塵輪蓋，可預防細屑侵入及美化外觀等優點，但隨著時間的經過會有水解的情況產生，適用於室內乾燥地板。TPU腳輪可應用於精密儀器設備、自動化設備、各式工作車等用途。

FEATURES

- The housing is zinc plated.
- Special dust-proof hubs design.
- Thermoplastic Polyurethanes (TPU) has good wear resistance and abrasion. For our TPU wheel, we will add plastic cover for prevent the dust and beautify the appearance. However, for thermoplastic polyurethanes, it will be hydrolyzed as time went by.

SPECIFICATION:

產品編號 Item No.	輪架材質 Housing Material	輪子材質 Wheel Material	型式 Type	尺寸 Dimensions			荷重 Load Capacity (kgf/pc)	重量 Weight (kg)
				輪徑 Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration		
GTU-A3-1	鐵 Steel	TPU	培林 Bearing	75(3")	30	75	150	0.76
GTU-A3-2						100		0.85
GTU-A3-3						75		0.51
GTU-A3-4						75		0.63
GTU-A3-5						100		0.72



特徵

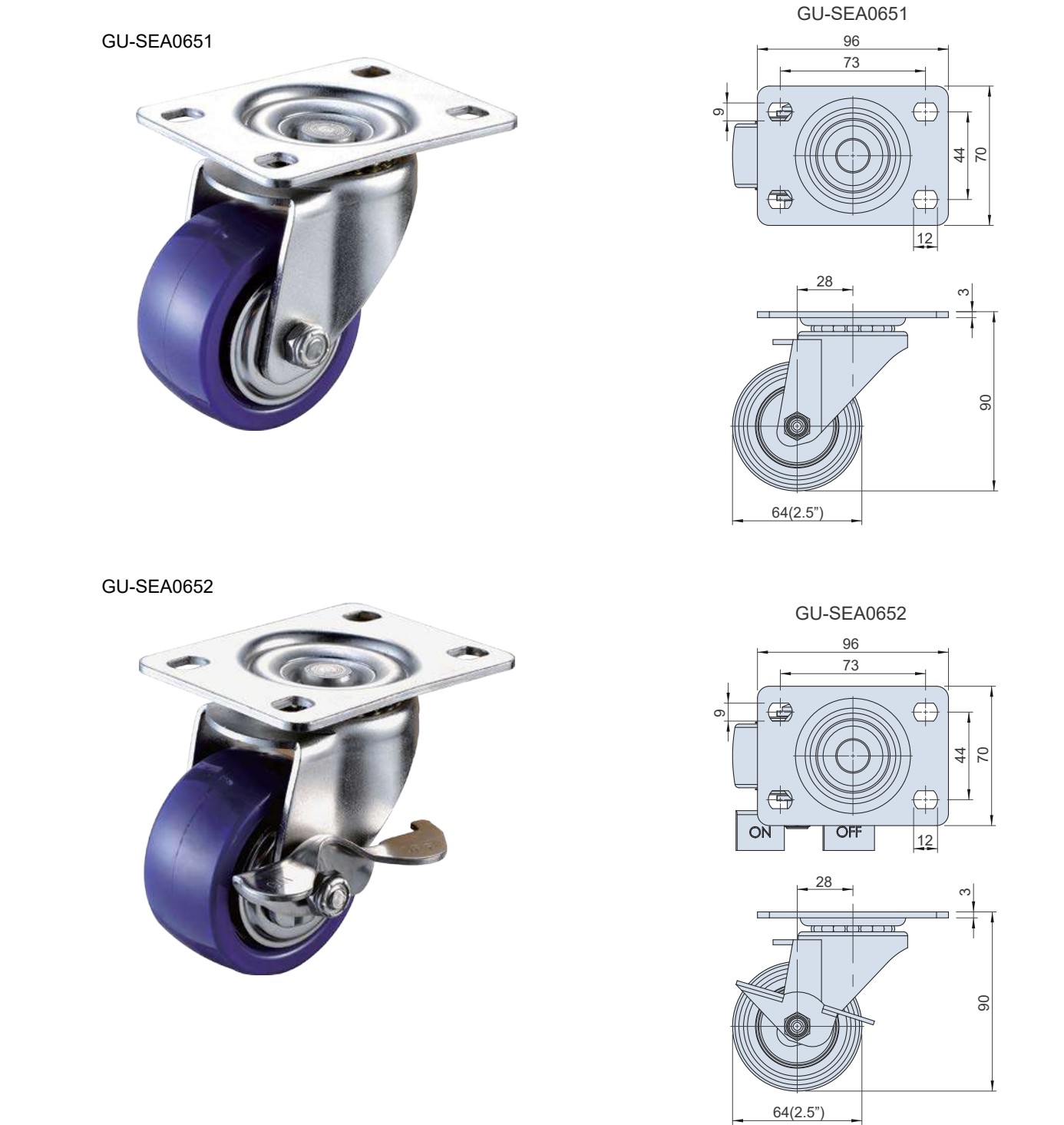
- 輪架表面處理鍍鋅。
- 塑膠輪(聚丙烯輪 PP)。採高級耐衝擊塑膠原料製成塑膠輪，具抗潮濕、耐腐蝕、細屑不易侵入等優點，韌性與磨耗程度相較於尼龍輪稍低，但價格最為實惠。可應用於工作桌、倉儲物流設備、各式工作車等用途。

FEATURES

- The housing is zinc plated.
- Polypropylene Wheel (PP). Use the high impact resistance material to product the plastic wheel. It is light weight and excellent in moisture and corrosion resistance. Also, the price is the most economical. It is suitable for most ground.

SPECIFICATION:

產品編號 Item No.	輪架材質 Housing Material	輪子材質 Wheel Material	尺寸 Dimensions			荷重 Load Capacity (kgf/pc)	重量 Weight (kg)
			輪徑 Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration		
GP-B5-1	鐵 Steel	塑膠 PP Plastic	50.8(2")	25.4	55	60	0.32
GP-B5-2					75		0.35
GP-B5-3					55		0.18
GP-B5-4					55		0.20
GP-B5-5					75		0.23



特徵

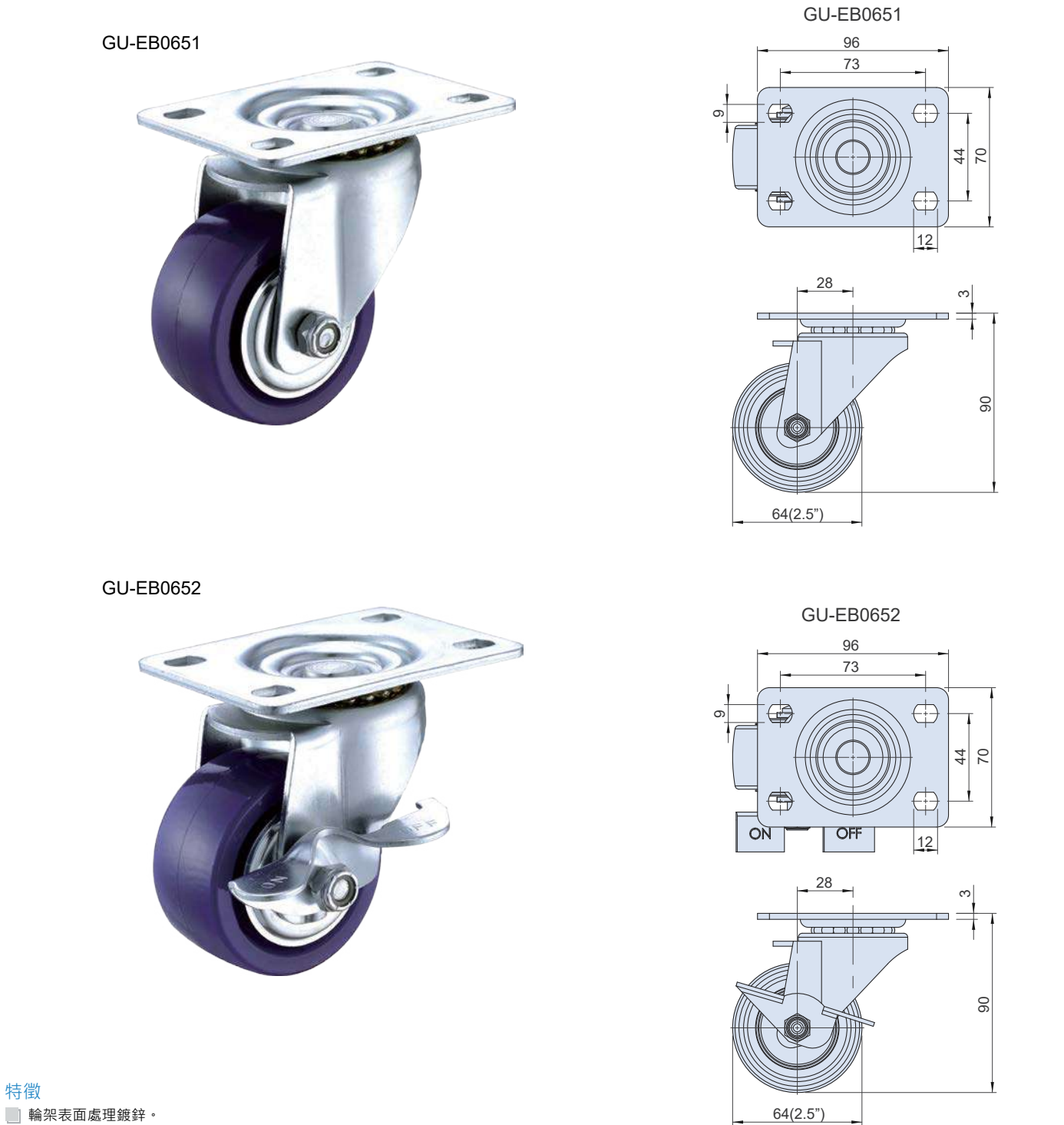
■ 聚氨酯輪 PU輪，一般稱為優力膠輪，天然優力膠有非常良好的磨耗特性、不留輪痕、汙痕並且擁有優良的耐油與耐化學藥劑特性。天然灌注PU不會有水解的情況產生，可以維持穩定的材質硬度且對地面的汙染少，因此適用的範圍相當廣泛。

FEATURES

■ Polyurethane wheel is suppressive property against fouling to floor surface and the resistance against oil and chemical. Besides, natural perfusion PU can't be hydrolyzed, so it can maintain a stable material hardness and less pollution to the ground. The range of application is quite extensive.

SPECIFICATION:

產品編號 Item No.	輪架材質 Housing Material	輪子材質 Wheel Material	尺寸 Dimensions			荷重 Load Capacity (kgf/pc)	重量 Weight (kg)
			輪徑 Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration		
GU-SEA0651	SUS304	PU	64(2.5")	32	65	80	0.54
GU-SEA0652					80		0.57



特徵

■ 輪架表面處理鍍鋅。

■ 聚氨酯輪 PU輪，一般稱為優力膠輪，天然優力膠有非常良好的磨耗特性、不留輪痕、汙痕並且擁有優良的耐油與耐化學藥劑特性。天然灌注PU不會有水解的情況產生，可以維持穩定的材質硬度且對地面的汙染少，因此適用的範圍相當廣泛。

FEATURES

■ The housing is zinc plated.

■ Polyurethane wheel is suppressive property against fouling to floor surface and the resistance against oil and chemical. Besides, natural perfusion PU can't be hydrolyzed, so it can maintain a stable material hardness and less pollution to the ground. The range of application is quite extensive.

SPECIFICATION:

產品編號 Item No.	輪架材質 Housing Material	輪子材質 Wheel Material	尺寸 Dimensions			荷重 Load Capacity (kgf/pc)	重量 Weight (kg)
			輪徑 Wheel Diameter	輪寬 Wheel Width	迴轉半徑 Radius of gyration		
GU-EB0651	鐵 Steel	PU	64(2.5")	32	65	80	0.54
GU-EB0652					80		0.57

About us



關於我們

金石門公司創始於西元1981年，以工業五金做研發、製造、行銷為主軸，專精鉸鏈、門鎖、搭扣、腳座、把手、支撐器、腳輪等七大項工業五金產品研發製造。以上產品皆從研發製圖→開模→試產→量產，自原料選購到成品，整體流程品質控管。金石門團隊已有40餘年累積經驗於產品品質控管上之心得，「Asmith鐵匠牌」產品至今已行銷全球五大洲。

金石門以全方位服務銷售團隊，以專業嚴格的品質控管累積之經驗及精神做基石，於2013年成立數位扭力扳手部門，加上國內中部地區為手工工具生產重鎮，受地利人合之條件下，發展一系列數位扭力扳手之產品，落實建立完善之售後服務，進而拓展國際商機，更希望能提升國內愛用者服務品質，該產品同時榮獲2013年台灣精品獎殊榮，並深獲消費者及業界一致肯定。

Asmith is a company established in 1981, specializing in the R&D, manufacture and marketing of industrial hardware, such as hinges, door locks, latches, leveling glides, handles and castors. All above products go through a process of cartography→molding→trial production→mass production, which is under monitor to meet quality control standards from choosing original material to the finished products. Asmith team has a over 40-year experience, and our products are sold in markets of five continents.

The comprehensive, fast services, professional sales team and strict quality control, accumulated experiences and professional spirit are the cornerstone of Asmith. In 2013, Asmith co-developed a series of digital torque wrenches with a high-tech company and also set up Digital Torque Wrench Department. After the implementation of the complete quality services for domestic customers, Asmith also expands to international markets. Digital torque wrench won Taiwan Excellence Award in the same year, 2013, and high value recognition from customers and industries.

Certification & Patent

專利與認證

金石門公司的數位扭力扳手擁有多國專利設計，SGS實驗室之CE安全認證，同時得到36個國家的專利許可，提供高品質的產品，以滿足客戶的需求。
Asmith digital torque wrench has 36 countries patent, example: SGS's CE certification provide high quality product.



台灣專利
Taiwan patent



大陸專利
Mainland China patent



歐盟專利
EU patent



SGS 認證
SGS certification



TAF 扭力校正報告
TAF calibration certificate



台灣精品獎
Taiwan Excellence Award

W Series

扳手選擇方法 How To Choose A Torque Wrench

四步驟選擇扳手(4 Steps To Choose A Wrench)

若已知扭力，可直接進入 4.選擇扳手，請參考下頁

If the torque is known, you can proceed directly to Step 4: Selecting a Wrench(refer to next page)



1

螺絲等級

如不鏽鋼螺絲，屬於標準品『T』等級，如紅框

Screw Grade

For stainless steel screws, they belong to the standard grade "T"

螺絲適用分級 Screws and applicable T series				
說明illustrate 等級分類 Level classification	Standard T series 標準品	0.5 T series 電子產品	1.8 T series 鎢鋼，鉻鉬鋼	2.4 T series 建築鋼構
Screws (Strength 硬度) 螺絲 (Material材質)	4.6~6.6 SS 不鏽鋼 SC 碳鋼	- CR (Brass) 紅銅 CB (Copper) 黃銅 AB (Aluminum) 鋁	8.8~12.9 SCr 鉻鋼 SNC 鎳鉻鋼 SCM 鉻鉬鋼	10.9~12.9 SCr 鉻鋼 SNC 鎳鉻鋼 SCM 鉻鉬鋼 SNCM 鎳鉻鉬鋼
適用產品 (Applicable products)	一般螺絲 Ordinary products	電子零件 Electronic products	工具、引擎、機械 Vehicles, Engines	建築零件 Construction products

W Series

扳手選擇方法 How To Choose A Torque Wrench

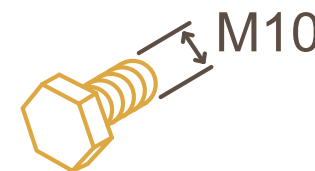
2

螺紋寬度

若寬度10mm，則代號為『M10』

Thread Width

If the width is 10mm, it is designated as 『M10』



3

確認扭力

如右表格紅框，『M10 + T 等級』，則對應為『24.5 Nm』

Confirming Torque

『M10 + T grade』 corresponds to 『24.5 Nm』

扭力單位換算表 / Torque Unit Conversion Table					
單位 / Unit	lbf-in	lbf-ft	kgf-cm	cN-m	N-m
1 lbf - in	1	0.083	1.152	11.3	0.113
1 lbf - ft	12	1	13.83	135.6	1.356
1 kgf - cm	0.868	0.072	1	9.807	0.098
1 cN - m	0.088	0.007	0.102	1	0.01
1 N - m	8.851	0.738	10.2	100	1

Screw torque value comparison Standard tightening torque

Nominal Size of Screw	T	0.5T	1.8T	2.4T
M1	0.0195	0.0098	0.035	0.047
(M1.1)	0.027	0.0135	0.049	0.065
M1.2	0.037	0.0185	0.066	0.088
(M1.4)	0.058	0.029	0.104	0.14
M1.6	0.086	0.043	0.156	0.205
(M1.8)	0.128	0.064	0.23	0.305
M2	0.176	0.088	0.315	0.42
(M2.2)	0.23	0.116	0.41	0.55
M2.5	0.36	0.18	0.65	0.86
M3	0.63	0.315	1.14	1.5
(M3.5)	1	0.5	1.8	2.4
M4	1.5	0.76	2.7	3.6
(M4.5)	2.15	1.08	3.9	5.2
M5	3	1.5	5.4	7.2
M6	5.2	2.6	9.2	12.2
(M7)	8.4	4.2	15	20
M8	12.5	6.2	22	29.5
M10	24.5	12.5	44	59
M12	42	21	76	100
M14	68	34	122	166
M16	106	53	190	255
(M18)	146	73	270	350
M20	204	102	370	490
(M22)	282	140	500	670
M24	360	180	650	860
(M27)	520	260	940	1240
M30	700	350	1260	1700
(M33)	960	480	1750	2300
M36	1240	620	2250	3000
(M39)	1600	800	2900	3800
M42	2000	1000	3600	4800
(M45)	2500	1260	4500	6000

Standard axial stress 210 N/mm2 stress area of bolt(JIS 1082)
Note: This is not converted from standard tightening torque kgf.cm

4

■ 選擇扳手
透過您常用的工具配件，決定您適用的扳手系列

■ Selecting a Wrench
Determine the appropriate wrench series through tool accessories

螺絲頭 / 工具 Screw head / Tool	扳手 Wrench	扳手扭力 Torque Range	扳手系列 Wrench series	扳手功能 Wrench Function	頁數 p.
  		5~220 Nm	WA-E	電動、數位、藍牙、WiFi、角度△° Electric, Digital, BlueTooth, WiFi, Angle	135
		15~100 Nm	WD-Q	機械、電子、藍牙 Mechanical, Electronic, BlueTooth	138
		0.9~25 Nm	WM-Q	數位、藍牙 Digital, BlueTooth	143
		4.5~1000 Nm	WQ	數位、藍牙 Digital, BlueTooth	143~144
		4.5~1000 Nm	WA	數位、角度△° Digital, Angle	144
		9~340 Nm	WS	數位、檢驗 Digital, Verification	149
		20~340 Nm	WS-A	數位、檢驗、角度△° Digital, Verification, Angle	149
  		5~200 Nm	WD-I	機械、電子、藍牙 Mechanical, Electronic, BlueTooth	139
		0.9~25 Nm	WM-I	數位、藍牙 Digital, BlueTooth	145
		4.5~600 Nm	WI	數位、藍牙 Digital, BlueTooth	145~146
  		0.1~4 Nm	WM-SD	起子、數位、藍牙 Screwdriver, Digital, BlueTooth	147
		0.9~25 Nm	WM-B	數位、藍牙 Digital, BlueTooth	147

電速數位扭力扳手 (藍牙+Wifi款) Power Speed Digital Torque Wrench (BT & WiFi)

- 雙重模式：動力和手動模式均內建在一個棘輪中，動力齒輪轉速 150~260轉/分鐘，扭力約 1 Nm，螺絲可被動力迅速鎖入，再透過手動鎖固達到設定扭力
- 內藏壓力感應晶片，LCD背光顯示
- 可自行設定扭力或角度±公差值
- 高達5000筆扭力歷史記錄容量，可將歷史扭力紀錄(.csv)透過藍牙連接APP分享
- 透過WiFi連線電腦，並可透過自行開發的通訊協定同時對多隻扳手發號指令
- 可拆式充電鋰電池可快速充電，2800mAh可在60分鐘內充電超過80%
- 三種扭力設定模式：兩種角度設定模式；以及量規模式
- 蜂鳴器警示、LED燈警示、震動警示
- 五種單位選擇 N-m, kg-cm, kg-m, in-lb, ft-lb
- 50組扭力預設值
- 一年校正時間提醒、使用5000次校正設定提醒
- APP其他功能：可調整自動關機時間；可調整四種LED燈色對應的扭力百分比；可進行韌體更新；可進入校正模式
- Dual mode, with both power and manual modes built into a single ratchet. The power gear operates at a speed of 150-260 RPM, with a torque of approximately 1 Nm. Screws can be quickly locked in with power, and then manually tightened to reach the set torque.
- Torque or angle can be set with ± tolerance values.
- Up to 5000 torque history records capacity, with the ability to share historical torque records (.csv) via Bluetooth connection to an app.
- Removable lithium battery with fast charging; 2800mAh can be charged over 80% in 60 minutes.
- Buzzer alerts, LED light alerts, and vibration alerts.
- Five unit options: N-m, kg-cm, kg-m, in-lb, ft-lb.
- 50 preset torque values.



Torq Wrench



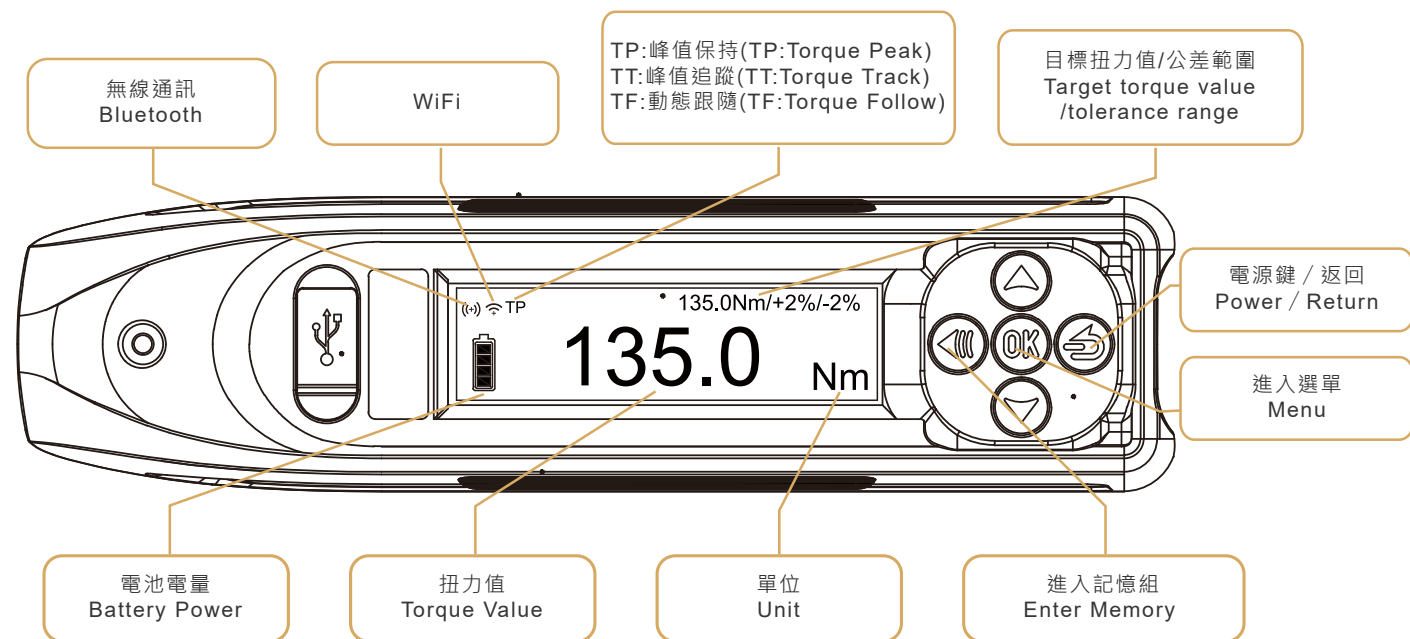
APP



電腦軟體
Software

產品規格 / Product Specifications	
記憶容量 Memory Capacity	5000 sets
單位選擇 Torque Units	Nm, kg.cm, kg.m, ft-lb, in-lb
防塵等級 Dust Protection Rating	IP5X
操作溫度 Operating Temperature	-20°C ~ 60°C
操作濕度 Operating Humidity	90%以下(最佳65%以下) Below 90% (Optimal Below 65%)
儲存溫度 Storage Temperature	< 35°C(最佳23°C) < 35°C(Optimal 23°C)
掉落測試 Drop Test	1m
振動測試 Shaking Test	100Hz & 500Hz & 2000Hz
鹽霧測試 Salt Spray Test	48hrs
電池充電循環 Battery Charging Cycle	可達600次 Up to 600 times
電池充電容量 Battery Capacity	2800 mAh





機電扭力扳手 (藍牙款) Mechanical Torque Wrench (BT)

- 機械、數位與藍牙的整合，達到準確、快速及數據化需求
- 全新機械扭力跳脫結構，到達扭力值後，產生強大的跳脫力警示聲
- 扭力數字化顯示，透過旋鈕即可輕鬆設定扭力，使用後無需歸零也不影響壽命
- APP可進行循環計次功能，連線後，APP可紀錄歷史數據 (數據保存於該手機的APP內)
- 使用者可自行開發軟體，連線到扳手存取使用過程(免費索取通訊協定)
- 廠內實測每5000次做一次校正，連續校正10次仍可保持精度穩定 (可索取校正流程，自行調整扭力數值進行校正)
- 四種單位選擇 N·m, ft·lb, in·lb, kgf·m
- 具有5000次使用次數到達提醒
- LCD數值顯示
- The integration of machinery, digital technology, and Bluetooth achieves accuracy, speed, and data-driven performance
- After reaching the preset value, the structure features a large buffer space and a distinct mechanical clicking sound, which effectively prevents applying force too quickly, ensuring that the screw does not exceed the preset torque value
- Torque can be easily set using the knob, with no need for zeroing after use, ensuring no impact on lifespan
- The app supports cycle counting. Once connected, it can record historical data (stored within the app on this device)
- Users can develop their own software to connect to the wrench and access the usage process (free protocol available for download)
- After 5,000 uses and calibration, the tool maintained stable accuracy even after 10 consecutive recalibrations
- Four unit options: Nm, ft-lb, in-lb, kgf-m
- A reminder is provided when 5000 usage cycles are reached
- LCD numerical display

Wi-Click
Torq Wrench

APP



影片/Video

WA-E135-2-BW

棘輪方頭
Drive

- 電動棘輪方頭：動力齒輪轉速 150~260轉/分鐘，扭力約 1 Nm
- 角度功能：可在無受力狀態下量測旋轉多少角度的功能
- WiFi功能-1對多：利用自行開發的通訊軟體，可連接WiFi並向多台扳手發送指令，從而實現高效的控制和管理
- 配件：吹氣盒x1, 出廠校驗報告(符合ISO品質認證規範)x1, 說明書x1, 充電座x1, 變壓器x1, 鋰電池x1, 磁性套組x1
- Electric Ratchet Square Head : Power Gear rotation 150~260RPM, and torque is about 1 Nm
- Angle Measurement Function: Enables measurement of rotation angles in the absence of external force
- WiFi Function - One-to-Many: Features self-developed communication software that connects via WiFi, allowing commands to be sent to multiple wrenches for efficient control and management
- Content : Blow Mold Case x1, Factory calibration report (compliant with ISO quality certification standards) x1, User guide x1, charging cradle x1, power adapter x1, lithium battery x1, Magnetic insert x1

SPECIFICATIONS: ※Unit Conversion : 1 Nm = 10.2kgf-cm = 0.102 kgf-m = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No.	精度 Accuracy	棘輪方頭 Drive	棘輪齒數 Ratchet Teeth	設定範圍 Setting Range	解析度 Resolution	扳手長度 Length (mm)	扳手重量 Weight (g)
WA-E50-2-BW	CW:≥10Nm:±2% <10Nm:±4% CCW:≥10Nm:±3% <10Nm:±5%	3/8"	60	5-50 Nm / 1°~999°	0.01 Nm / 0.1°	410	982
WA-E135-2-BW		13.5~135 Nm / 1°~999°		0.1 Nm / 0.1°	450	1014	
WA-E220-3-BW		1/2"			22-220 Nm / 1°~999°	530	1145
EWEB022800	充電式鋰電池(加購)Rechargeable Lithium Battery (Optional add-on)						

註：精度的扭力範圍在最大操作值的10%~100%

Notes: Accuracy guaranteed at 10% to 100% of full scale.

藍牙功能 Bluetooth features

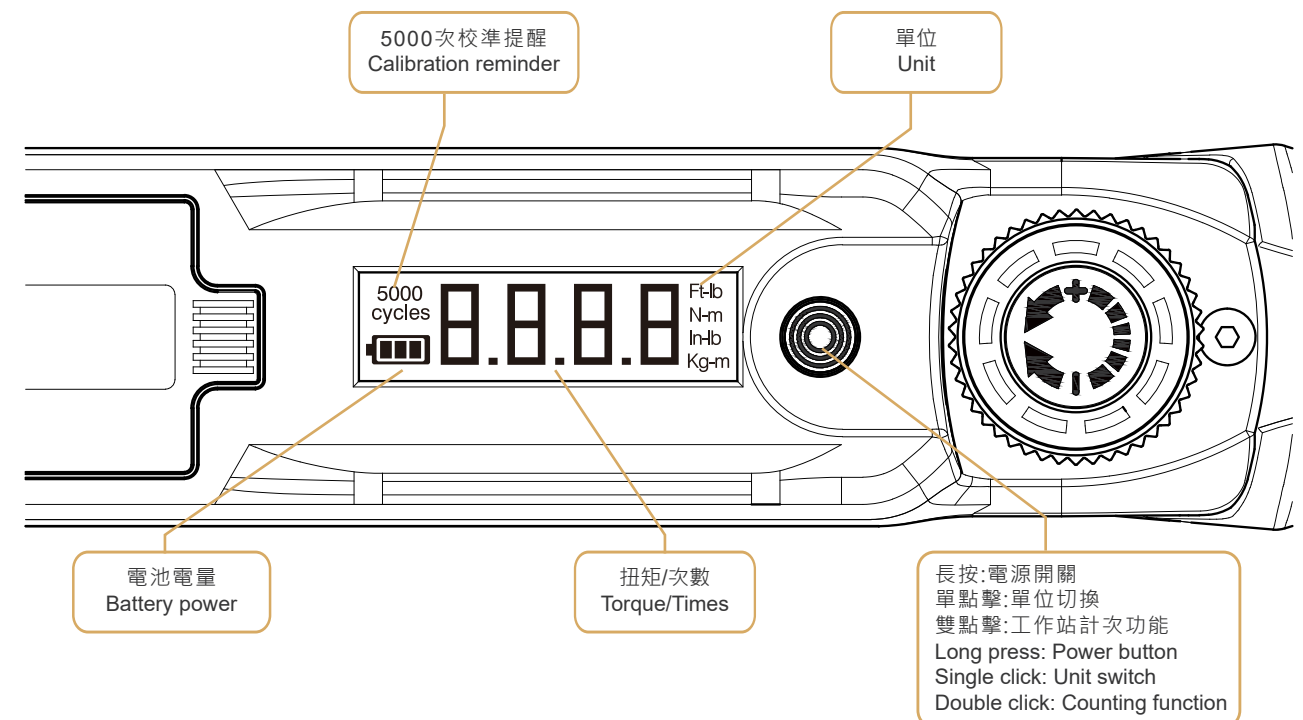


透過連線手機隨時掌握扭力，並輕鬆記錄每次操作亦可透過 (Micro USB)將數據保存於電腦

The new Bluetooth design enables a seamless connection to your smartphone, allowing you to monitor torque values in real time and effortlessly record each operation.
You can also save data to your computer via a Micro USB connection.

產品規格 / Product Specifications

電池壽命：持續操作 Battery life(continuous operation)	300 hrs
防水等級 IP Rating	IPX1
防塵等級 Dust Protection Rating	IP5X
操作溫度 Operating Temperature	-10°C ~ 50°C
儲存溫度 Storage Temperature	-10°C ~ 50°C
單位選擇 Torque Units	Nm, kg.m, ft-lb, lb-in
掉落測試 Drop Test	1m
振動測試 Shaking Test	100Hz & 500Hz
鹽霧測試 Salt Spray Test	48hrs
耐腐蝕測試 Corrosion Resistance Test	PASS
抗酸鹼測試 Acid-Alkaline Resistance Test	PASS
耐用度測試 Durability Test	經過10次校正，功能無任何異常 After 10 calibrations, the functionality remains without any abnormalities.



- 扳手結構: 順時針施力-到達設定扭力會產生跳脫聲響; 逆時針施力-用於低扭力螺絲拆卸使用
- 配件: 收納用塑膠盒x1, 出廠校驗報告(符合ISO品質認證規範)x1, 說明書x1, AAA電池x2
- Wrench structure: Applying force clockwise - a click sound will occur when the set torque is reached; applying force counterclockwise - used for removing low-torque screws.
- Content: Plastic storage box x1, Factory calibration report (compliant with ISO quality certification standards) x1

SPECIFICATIONS:

※Unit Conversion: 1 Nm = 0.102 kgf-m = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No.	精度(CW) Accuracy	棘輪方頭 Drive	棘輪齒數 Ratchet Teeth	設定範圍 Setting Range	建議使用範圍 Suggested Range	解析度 Resolution	扳手長度 Length (mm)	扳手重量 Weight (g)
WD-Q100-2-BT	≥20Nm:±3% <20Nm:±4%	3/8"	72	15~100 Nm	25~100 Nm	0.2 Nm	485	1040

藍牙功能
Bluetooth features

1. APP可進行循環計次功能
2. 連線後, APP可紀錄歷史數據 (數據保存於該手機的APP內)
1. APP for cycle counting.
2. Once connected, the app can record historical data (Data is stored within the app on this device).

WD-I-BT Series 換頭型 - 機電扭力扳手(藍牙款) BT-Mechanical Interchangeable Torque Wrench



- 扳手結構：順時針施力-到達設定扭力會產生跳脫聲響；逆時針施力-用於低扭力螺絲拆卸使用（若將棘輪頭轉向180度如上圖，可達到逆時針施力跳脫的作用）
- 配件：收納用塑膠盒x1，出廠校驗報告(符合ISO品質認證規範)x1，說明書x1，AAA電池x2
- Wrench structure: Applying force clockwise - a click sound will occur when the set torque is reached; applying force counterclockwise - used for loosening low-torque screws (if the ratchet head is turned 180 degrees as shown in the image, applying force counterclockwise can also produce a click sound).
- Content : Plastic storage box x1, Factory calibration report (compliant with ISO quality certification standards) x1

SPECIFICATIONS: ※Unit Conversion : 1 Nm = 0.102 kgf-m = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No.	精度(CW) Accuracy	插槽 Insert	棘輪方頭 Drive	棘輪齒數 Ratchet Teeth	設定範圍 Setting Range	建議使用範圍 Suggested Range	解析度 Resolution	扳手長度 Length (mm)	扳手重量 Weight (g)
WD-I30-1-BT	≥15Nm:±3% <15Nm:±4%	9x12mm	1/4"	72	5~30 Nm	8~30 Nm	0.1 Nm	361	470
WD-I100-2-BT	≥20Nm:±3% <20Nm:±4%	14x18mm	3/8"		15~100 Nm	25~100 Nm	0.2 Nm	483	1140
WD-I200-3-BT	≥40Nm:±3% <40Nm:±5%		1/2"		30~200 Nm	40~200 Nm	0.5 Nm	585	1510

數位扭力扳手 Digital Torque Wrench

- LCD背光顯示
- 順時針及逆時針皆可操作
- 峰值保持(K)與扭力追隨(F)模式(可訂製特殊K模式)
- 四種扭力單位，可供選擇切換:N-m, kgf-cm, lbf-in, lbf-ft
- WM-SD系列為三種扭力單位:cN-m, kgf-cm, in-lb
- 蜂鳴聲、LED燈警示(到達預設扭力值80%時)
- 震動警示(到達預設扭力值90%時)
- 省電模式：2分鐘自動關機(可訂製不開機模式)
- 記錄使用次數、歷史最大扭力
- 藍牙款:透過藍牙連線手機，隨時查詢歷史扭力紀錄(最多可瀏覽1000筆)
- 可透過Type-C將歷史扭力紀錄傳輸到電腦，以利品質控管
- LCD backlight display
- Both operator for cw, ccw
- Two modes : F(Track) / K(Peak)
- 4 units change: N-m, kgf-cm, lbf-in, lbf-ft (WM-SD series: cN-m, kgf-cm, in-lb)
- Warning function : Beep, LED indicator (When reach the torque setting value 80%)
- Vibration function : When reach the torque setting value 90%
- Automatically powers off when not in use for 2 minutes (The non-shutdown mode can be customized)
- Recording usage frequency and the historical maximum torque
- Bluetooth Type: Access historical data at any time through Bluetooth connection to the mobile phone.(View up to 1000 records) connect via Type-C to save data on the computer

MOBILE WRENCH

mobile wrench

BT-APP

影片-藍牙款 Video-BT

電腦軟體-藍牙款 Software-BT

影片-標準款 Video

充電款技術規格 / Rechargeable Battery Technical Data (Battery : Standard 16650/ Mini 10440)				電池款技術規格 / Dry Cell Technical Data			
電池壽命：充滿電操作時間 Battery life (fully charged used time)	8~10 hrs	充電輸入電壓 Charging Input Voltage	5V~1A	電池壽命：持續操作 Battery Life (continuous operation)	110 hrs (WS: 37 hrs)	操作溫度 Operating temperature	-10°C~ 60°C
標稱電壓 Nominal Voltage	3.7V	內阻 Internal Resistance	< 60mΩ	電池壽命：待機模式 Battery Life (Standard Mode)	1 year	儲存溫度 Storage temperature	-20°C~70°C
充電時間 Recharge Time	Standard 90-120 mins / Mini 60-90 mins			濕度 Humidity	無凝露可到90% Up to 90% (not condensed)		
使用環境 (溫度) Storage conditions (Temperature)	Recharge : 10°C~ 45°C Discharge : -10°C ~ 60°C Storage : -20°C ~ 25°C (< 1 year) -20°C ~ 40°C (< 3 months) -20°C ~ 50°C (< 1 month)			共用規格 / Common Specification			
				預設值儲存組數 No. of memory parameters	30		
				LED警示燈	2(1Green + 1Red)		
				震動警示 Vibration Warning	YES(到達預設扭力90%・震動警示啟動) (Activate when set value reaches 90%)		
使用環境 (濕度) Storage conditions (Humidity)	Work : 20% ~ 85%RH (not condensed) Storage : 40% ~ 85%RH (not condensed)			操作模式 Operating modes	峰值保持(K) / 追隨模式 (F) / 角度模式 (A) Peak hold (K) / Track (F) / Angle (A)		
標稱容量 Nominal Capacity	Standard 1600mAh / Mini 320mAh X2			單位選擇 Torque Units	Nm, kg-cm, lb-ft, lb-in (WM-SD series: cNm, kg-cm, lb-in)		
壽命測試 Lifetime Testing	電池標準充放電300次循環後高於容量80% Capacity remains above 80% after 300 standard charge-discharge cycles.			掉落測試 Drop test	1m		
內建雙重保護IC電路 Built-in Dual Protection IC Circuit	提供過壓充電、過壓放電、過流充電、過熱過載、 短路等保護 Provides protection against over-voltage charging, over-voltage discharging, over-current charging, overheating, overload, and short circuits.			振動測試 Shaking test	10G(10Hz→55Hz→10Hz/0.8mm)		
				耐用度 Durability	Over 10000 cycles		
				環境測試 Environmental test	PASS	電磁相容測試 EMC test	PASS

W Series 功能說明 Function Description

WQ (-BT) WA

WI (-BT)

快速脫離 Quick release

棘輪切換 Reversible ratchet

LED提醒/蜂鳴警示 LEDs (Green/Red)/Buzzer

防油防滑設計握柄(專利) Non-slip grip handle (patent)

震動警示功能 Vibration function

單支出廠序號查詢 Unique code for each wrench

快速脫離 Quick release

棘輪切換 Reversible ratchet

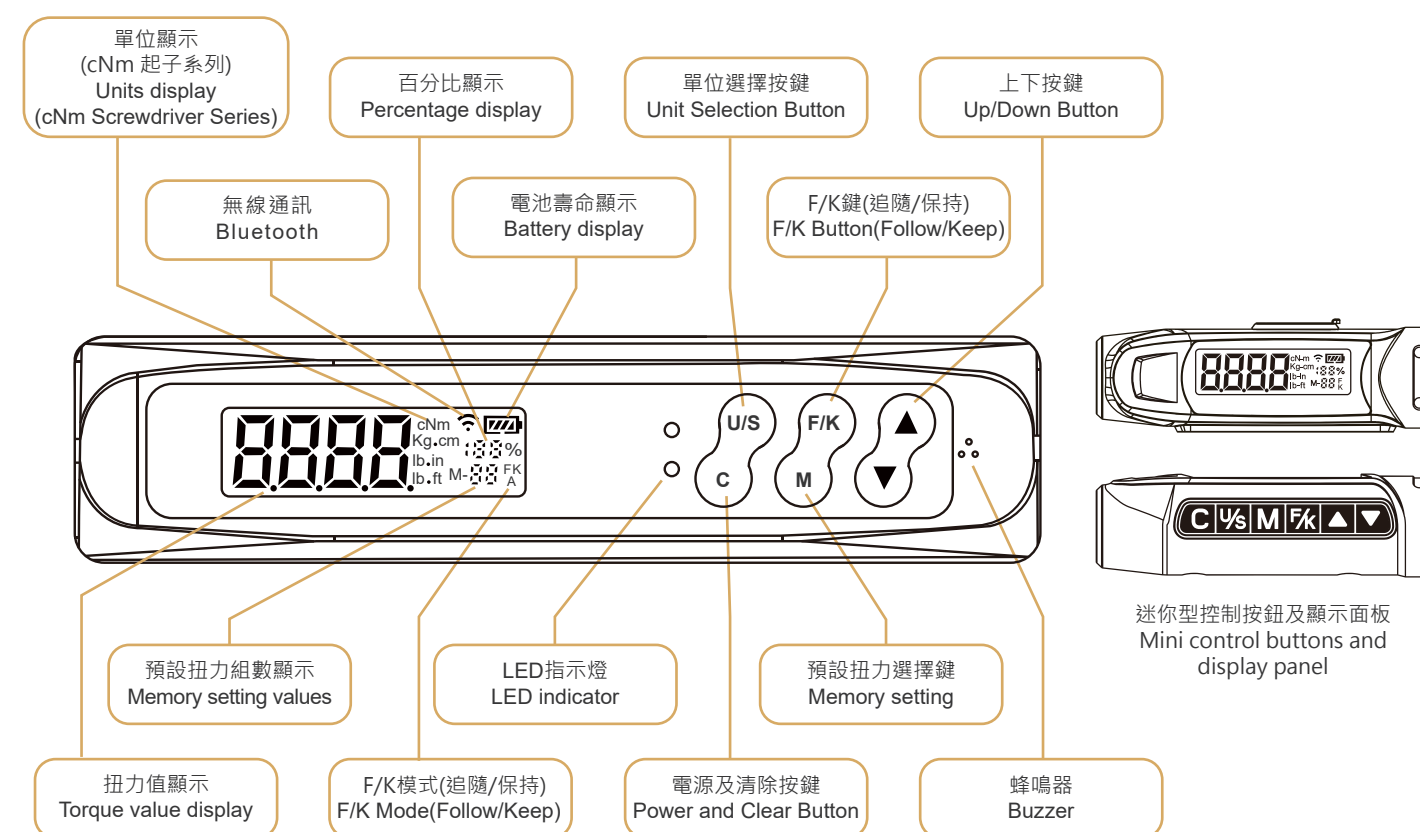
棘輪方頭/插槽 Square head / Socket



藍牙充電款：內建電芯保護特規電池，請勿自行更換市售充電電池
Bluetooth Type : Built-in battery with special specifications for cell protection, please do not replace it with commercially available rechargeable batteries.



藍牙充電款：內建電芯保護特規電池，請勿自行更換市售充電電池
Bluetooth Type : Built-in battery with special specifications for cell protection, please do not replace it with commercially available rechargeable batteries.



WM-Q(-BT) Series

迷你一般型 - 數位扭力扳手 Mini Digital Torque Wrench



WM-Q

WM-Q(-BT)



棘輪方頭
Drive



藍牙功能
Bluetooth features

扳手內建記憶體，可將扳手歷史數據連線手機進行輸出

The wrench has built-in memory, allowing it to connect to a mobile phone to output historical data.

配件：收納用鐵製工具盒x1, 出廠校驗報告(符合ISO品質認證規範)x1, 說明書(中/英)x1, 藍牙-充電款: Type-C 充電線

電池款: AAA電池x2, 迷你螺絲起子(更換電池用)x1,

Content：Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1, Bluetooth Type: Type-C cable, Battery Type: Mini screwdriver(replace the battery) x1

SPECIFICATIONS:

※Unit Conversion：1 Nm = 10.2 kgf-cm = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No.		精度 Accuracy	棘輪方頭 Drive	棘輪齒數 Ratchet Teeth	顯示及設定範圍 Setting Range	建議使用範圍 Suggested Range	解析度 Resolution	扳手長度 Length(mm)	扳手重量 Weight(g)
電池款 Battery Type	藍牙-充電款 Bluetooth Type								
WM-Q06-1	WM-Q06-1-BT	CW:±3% CCW:±4%	1/4"	72	0.3~6 Nm	0.9~6 Nm	0.01 Nm	244	210
WM-Q15-1	WM-Q15-1-BT				0.75~15 Nm	2.25~15 Nm			
WM-Q25-1	WM-Q25-1-BT				1.25~25 Nm	3.75~25 Nm			

註：精度的扭力範圍在最大操作值的20%~100% Notes: Accuracy guaranteed at 20% to 100% of full scale.

WQ Series

一般型 - 數位扭力扳手 Digital Torque Wrench



WQ-200-3



棘輪方頭
Drive

配件：收納用鐵製工具盒x1, 出廠校驗報告(符合ISO品質認證規範)x1, 說明書(中/英)x1, AA電池x2

Content：Storage steel box x1, Certificate of calibration report x1, User guide(Bilingual) x1

SPECIFICATIONS:

※Unit Conversion : 1 Nm = 10.2 kgf-cm = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No. 電池款 Battery Type	精度 Accuracy	棘輪方頭 Drive	棘輪齒數 Ratchet Teeth	顯示及設定範圍 Setting Range	建議使用範圍 Suggested Range	解析度 Resolution	扳手長度 Length(mm)	扳手重量 Weight(±50g)	
WQ-30-1	CW:±1.5% CCW:±2.5%	1/4"	72	1.5~30 Nm	4.5~30 Nm	0.01 Nm	410	720	
WQ-30-2		3/8"		3~60 Nm	9~60 Nm			740	
WQ-60-2				6.8~135 Nm	20~135 Nm		434	890	
WQ-135-2		1/2"		10~200 Nm	30~200 Nm	0.1 Nm	454	1080	
WQ-135-3				17~340 Nm	50~340 Nm		565	1300	
WQ-200-3				30~600 Nm	90~600 Nm		666	1420	
WQ-340-3				3/4"			40~800 Nm	120~800 Nm	940
WQ-600-4						50~1000 Nm	150~1000 Nm	1 Nm	1235
WQ-800-4									
WQ-1000-4									

註：精度的扭力範圍在最大操作值的20%~100%

Notes: Accuracy guaranteed at 20% to 100% of full scale.

WQ-BT Series

一般型(藍牙款) - 數位扭力扳手 BT-Digital Torque Wrench



WQ-60-2-BT



棘輪方頭
Drive



藍牙功能
Bluetooth features

配件：收納用鐵製工具盒x1, 出廠校驗報告(符合ISO品質認證規範)x1, 說明書(中/英)x1, Type-C 充電線

Content：Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1, Type-C cable

SPECIFICATIONS:

※Unit Conversion：1 Nm = 10.2 kgf-cm = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No.	精度 Accuracy	棘輪方頭 Drive	棘輪齒數 Ratchet Teeth	顯示及設定範圍 Setting Range	建議使用範圍 Suggested Range	解析度 Resolution	扳手長度 Length(mm)	扳手重量 Weight(±50g)	
藍牙-充電款 Bluetooth Type									
WQ-30-1-BT	CW:±1.5% CCW:±2.5%	1/4"	72	1.5~30 Nm	4.5~30 Nm	0.01 Nm	394	770	
WQ-30-2-BT		3/8"		3~60 Nm	9~60 Nm		418	898	
WQ-60-2-BT				6.8~135 Nm	20~135 Nm	0.1 Nm	438	1114	
WQ-135-2-BT		1/2"	24	10~200 Nm	30~200 Nm		549	1272	
WQ-135-3-BT				17~340 Nm	50~340 Nm		650	1470	
WQ-200-3-BT				30~600 Nm	90~600 Nm		940	3902	
WQ-340-3-BT		3/4"		40~800 Nm	120~800 Nm	1 Nm	1235	4695	
WQ-600-4-BT				50~1000 Nm	150~1000 Nm				
WQ-800-4-BT									

註：精度的扭力範圍在最大操作值的20%~100% Notes: Accuracy guaranteed at 20% to 100% of full scale.

WA Series

角度專業型 - 數位扭力扳手 Digital Angle Torque Wrench



WA-30-1



棘輪方頭
Drive

可訂製藍牙功能

鎖固時，可量測旋轉多少角度的功能

配件：收納用鐵製工具盒x1, 出廠校驗報告(符合ISO品質認證規範)x1, 說明書(中/英)x1, AA電池x2

Customizable Bluetooth

Can measurement the degree after tighten the screw or nut

Content：Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1

SPECIFICATIONS:

※Unit Conversion：1 Nm = 10.2 kgf-cm = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No.	精度 Accuracy	棘輪方頭 Drive	棘輪齒數 Ratchet Teeth	顯示及設定範圍 Setting Range	建議使用範圍 Suggested Range	解析度 Resolution	扳手長度 Length(mm)	扳手重量 Weight(±50g)	
電池款 Battery Type									
WA-30-1	CW:±1.5% CCW:±2.5%	1/4"	72	1.5~30 Nm / 0.1°~360°	4.5~30 Nm	0.01 Nm / 0.1°	410	720	
WA-60-2		3/8"		3~60 Nm / 0.1°~360°	9~30 Nm		434	890	
WA-135-2				6.8~135 Nm / 0.1°~360°	20~135 Nm	0.1 Nm / 0.1°	454	1080	
WA-135-3		1/2"	24	10~200 Nm / 0.1°~360°	30~200 Nm		565	1300	
WA-200-3				17~340 Nm / 0.1°~360°	50~340 Nm		666	1420	
WA-340-3				30~600 Nm / 0.1°~360°	90~600 Nm		940	3800	
WA-600-4		3/4"		40~800 Nm / 0.1°~360°	120~800 Nm	1 Nm / 0.1°	1235	4800	
WA-800-4				50~1000 Nm / 0.1°~360°	150~1000 Nm				
WA-1000-4									

註：精度的扭力範圍在最大操作值的20%~100% Notes: Accuracy guaranteed at 20% to 100% of full scale.

WM-I(-BT) Series

迷你換頭型 - 數位扭力扳手Mini Digital Interchangeable Torque Wrench



WM-I

僅附此棘輪頭
Only Accessory

WM-I (-BT)

加購配件，請參考146頁
Optional add-on
Please refer to P.146

棘輪方頭/插槽
Drive / Insert

藍牙功能
Bluetooth features

扳手內建記憶體，
可將扳手歷史數據
連線手機進行輸出

The wrench has
built-in memory,
allowing it to connect
to a mobile phone to
output historical data.

■ 配件：收納用鐵製工具盒x1, 出廠校驗報告(符合ISO品質認證規範)x1, 說明書(中/英)x1, 棘輪接頭x1, 藍牙-充電款: Type-C 充電線
電池款: AAA電池x2, 迷你螺絲起子(更換電池用)x1

■ Content : Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1, Ratchet insert tool x1, Bluetooth Type: Type-C cable, Battery Type: Mini screwdriver(replace the battery) x1

SPECIFICATIONS:※Unit Conversion : 1 Nm = 10.2 kgf-cm = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No.		精度	插槽	棘輪方頭	棘輪齒數	顯示及設定範圍	建議使用範圍	解析度	扳手長度	扳手重量
電池款	藍牙-充電款	Accuracy	Insert	Drive	Ratchet Teeth	Setting Range	Suggested Range	Resolution	Length(mm)	Weight(g)
Battery Type	Bluetooth Type									
WM-I06-1	WM-I06-1-BT	CW:±3% CCW:±4%	9x12mm	1/4"	72	0.3~6 Nm	0.9~6 Nm	0.01 Nm	255	270
WM-I15-1	WM-I15-1-BT					0.75~15 Nm	2.25~15 Nm			
WM-I25-1	WM-I25-1-BT					1.25~25 Nm	3.75~25 Nm			

註：精度的扭力範圍在最大操作值的20%~100%Notes: Accuracy guaranteed at 20% to 100% of full scale.

WI Series

換頭型 - 數位扭力扳手Digital Interchangeable Torque Wrench



WI-30-1

僅附此棘輪頭
Only Accessory

加購配件，請參考146頁
Optional add-on
Please refer to P.146

棘輪方頭/插槽
Drive / Insert

■ 配件：收納用鐵製工具盒x1, 出廠校驗報告(符合ISO品質認證規範)x1, 說明書(中/英)x1, 棘輪接頭 x1, AA電池x2

■ Content : Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1, Ratchet insert tool x1

SPECIFICATIONS:※Unit Conversion : 1 Nm = 10.2 kgf-cm = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No.	精度	插槽	棘輪方頭	棘輪齒數	顯示及設定範圍	建議使用範圍	解析度	扳手長度	扳手重量	
電池款 Battery Type	Accuracy	Insert	Drive	Ratchet Teeth	Setting Range	Suggested Range	Resolution	Length(mm)	Weight(±50g)	
WI-30-1	CW:±2% CCW:±3%	9x12mm	1/4"	72	1.5~30 Nm	4.5~30 Nm	0.01 Nm	403	750	
WI-60-2			3/8"		3~60 Nm	9~60 Nm		413	800	
WI-135-2					6.8~135 Nm	20~135 Nm	0.1 Nm	425	900	
WI-30-3		14x18mm	1/2"		1.5~30 Nm	6~30 Nm	0.01 Nm	435	950	
WI-60-3					3~60 Nm	12~60 Nm				
WI-135-3					6.8~135 Nm	20~135 Nm	0.1 Nm	559	1350	
WI-200-3					10~200 Nm	30~200 Nm				
WI-340-3					17~340 Nm	50~340 Nm				
WI-400-3					20~400 Nm	60~400 Nm				
WI-600-4					3/4"	48	30~600 Nm	90~600 Nm	0.1 Nm	915

註：精度的扭力範圍在最大操作值的20%~100%Notes: Accuracy guaranteed at 20% to 100% of full scale.

WI-BT Series

換頭型(藍牙款) - 數位扭力扳手BT-Digital Interchangeable Torque Wrench



WI-135-3-BT

僅附此棘輪頭
Only Accessory

加購配件，請參考146頁
Optional add-on
Please refer to P.146

棘輪方頭/插槽
Drive / Insert

■ 配件：收納用鐵製工具盒x1, 出廠校驗報告(符合ISO品質認證規範)x1, 說明書(中/英)x1, 棘輪接頭 x1, Type-C 充電線

■ Content : Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1, Ratchet insert tool x1, Type-C cable

SPECIFICATIONS:※Unit Conversion : 1 Nm = 10.2 kgf-cm = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No.	精度	插槽	棘輪方頭	棘輪齒數	顯示及設定範圍	建議使用範圍	解析度	扳手長度	扳手重量	
藍牙-充電款	Accuracy	Insert	Drive	Ratchet Teeth	Setting Range	Suggested Range	Resolution	Length (mm)	Weight (±50g)	
Bluetooth Type										
WI-30-1-BT	CW:±2% CCW:±3%	9x12mm	1/4"	72	1.5~30 Nm	4.5~30 Nm	0.01 Nm	387	778	
WI-60-2-BT			3/8"		3~60 Nm	9~60 Nm		397	810	
WI-135-2-BT					6.8~135 Nm	20~135 Nm	0.1 Nm	409	884	
WI-30-3-BT		14x18mm	1/2"		1.5~30 Nm	6~30 Nm	0.01 Nm	419	1110	
WI-60-3-BT					3~60 Nm	12~60 Nm				
WI-135-3-BT					6.8~135 Nm	20~135 Nm	0.1 Nm	543	1270	
WI-200-3-BT					10~200 Nm	30~200 Nm				
WI-340-3-BT					17~340 Nm	50~340 Nm				
WI-400-3-BT					20~400 Nm	60~400 Nm				
WI-600-4-BT			48	30~600 Nm	90~600 Nm		900	3600		



扳手內建記憶體，
可將扳手歷史數據
連線手機進行輸出

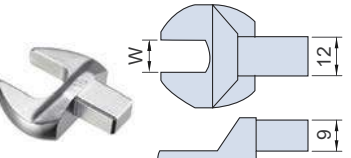
The wrench has
built-in memory,
allowing it to connect
to a mobile phone to

註：精度的扭力範圍在最大操作值的20%~100%Notes: Accuracy guaranteed at 20% to 100% of full scale.

W-Y W-R W-YR Series

扭力接頭 Insert Tools

9X12 開口式扭力接頭
Open-ended Insert tools

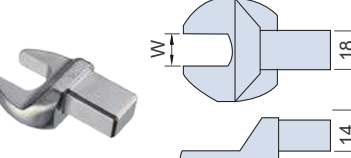


W-R01 W-YR01

9X12 (開口)梅花式扭力接頭
(Open-)Ring Insert tools



14X18 開口式扭力接頭
Open-ended Insert tools



產品編號 Item No.	W (mm)	適用產品 Apply to
W-Y0107	7	WM-I06-1 WM-I15-1 WM-I25-1 WI-30-1 WI-60-2 WI-135-2 WD-I30-1-BT
W-Y0108	8	
W-Y0109	9	
W-Y0110	10	
W-Y0111	11	
W-Y0112	12	
W-Y0113	13	
W-Y0114	14	
W-Y0115	15	
W-Y0116	16	
W-Y0117	17	WI-30-1 WI-60-2 WI-135-2 WD-I30-1-BT
W-Y0118	18	
W-Y0119	19	
W-Y0121	21	
W-Y0122	22	
W-Y0124	24	

產品編號 Item No.	W (mm)	適用產品 Apply to
W-R0107	7	WM-I06-1 WM-I15-1 WM-I25-1 WI-30-1 WI-60-2 WI-135-2 WD-I30-1-BT
W-R0108	8	
W-R0109	9	
W-R0110	10	
W-R0111	11	
W-R0112	12	
W-R0113	13	
W-R0114	14	
W-R0115	15	
W-R0116	16	
W-R0117	17	WI-30-3 WI-60-3 WI-135-3 WI-200-3 WI-340-3 WI-400-3 WD-I100-2-BT WD-I200-3-BT
W-R0118	18	
W-R0119	19	
W-R0121	21	
W-R0122	22	
W-R0124	24	

產品編號 Item No.	W (mm)	適用產品 Apply to
W-Y0213	13	WI-30-3 WI-60-3 WI-135-3 WI-200-3 WI-340-3 WI-400-3 WD-I100-2-BT WD-I200-3-BT
W-Y0214	14	
W-Y0215	15	
W-Y0216	16	
W-Y0217	17	
W-Y0218	18	
W-Y0219	19	
W-Y0221	21	
W-Y0222	22	
W-Y0224	24	
W-Y0226	26	WI-30-3 WI-60-3 WI-135-3 WI-200-3 WI-340-3 WI-400-3 WD-I100-2-BT WD-I200-3-BT
W-Y0227	27	
W-Y0230	30	
W-Y0232	32	
W-Y0234	34	
W-Y0236	36	
W-Y0238	38	
W-Y0241	41	

WM-SD(-BT) Series

迷你起子型-數位扭力起子

Mini Digital Torque Screwdriver

加購配件·請參考148頁
Optional add-on
Please refer to P.148



轉動方向
Rotate direction

藍牙功能
Bluetooth features

扳手內建記憶體，
可將扳手歷史數據
連線手機進行輸出

The wrench has
built-in memory,
allowing it to connect
to a mobile phone to
output historical data.

■ 配件：收納用鐵製工具盒x1，出廠校驗報告(符合ISO品質認證規範)x1，說明書(中/英)x1，套筒用轉接頭(六角轉四角方頭1/4")x1，藍牙-充電款：Type-C 充電線，電池款：AAA電池x2，迷你螺絲起子(更換電池用)x1

■ Content：Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1, 1/4" Hex Shank Socket Adapter x1, Bluetooth Type: Type-C cable, Battery Type: Mini screwdriver(replace the battery) x1

SPECIFICATIONS:

※Unit Conversion：1 cNm = 0.01 Nm = 0.102 kgf-cm = 0.088 lbf-in

產品編號 Item No.		精度 Accuracy	Bit 六角插槽 Bit Insert	顯示及設定範圍 Setting Range	建議使用範圍 Suggested Range	解析度 Resolution	起子長度 Length (mm)	起子重量 Weight (g)
電池款 Battery Type	藍牙-充電款 Bluetooth Type							
WM-SD50-1	WM-SD50-1-BT	CW:±3% CCW:±4%	1/4"	5~50 cNm	10~50 cNm (0.1~0.5 Nm)	0.1 cNm	234	180
WM-SD200-1	WM-SD200-1-BT			10~200 cNm	30~200 cNm (0.3~2 Nm)			
WM-SD400-1	WM-SD400-1-BT			20~400 cNm	60~400 cNm (0.6~4 Nm)			

註：精度的扭力範圍在最大操作值的20%~100%

Notes: Accuracy guaranteed at 20% to 100% of full scale.

WM-B(-BT) Series

迷你起子型-數位扭力扳手

Mini Digital Torque Wrench (Bit)

加購配件·請參考148頁
Optional add-on
Please refer to P.148

藍牙功能
Bluetooth features

扳手內建記憶體，
可將扳手歷史數據
連線手機進行輸出

The wrench has
built-in memory,
allowing it to connect
to a mobile phone to
output historical data.

■ 配件：收納用鐵製工具盒x1，出廠校驗報告(符合ISO品質認證規範)x1，說明書(中/英)x1，套筒用轉接頭(六角轉四角方頭1/4")x1，藍牙-充電款：Type-C 充電線，電池款：AAA電池x2，迷你螺絲起子(更換電池用)x1

■ Content：Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1, 1/4" Hex Shank Socket Adapter x1, Bluetooth Type: Type-C cable, Battery Type: Mini screwdriver(replace the battery) x1

SPECIFICATIONS:

※Unit Conversion：1 Nm = 10.2 kgf-cm = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No.		精度 Accuracy	Bit 六角插槽 Bit Insert	棘輪齒數 Ratchet Teeth	顯示及設定範圍 Setting Range	建議使用範圍 Suggested Range	解析度 Resolution	扳手長度 Length (mm)	扳手重量 Weight (g)
電池款 Battery Type	藍牙-充電款 Bluetooth Type								
WM-B06-1	WM-B06-1-BT	CW:±3% CCW:±4%	1/4"	72	0.3~6 Nm	0.9~6 Nm	0.01 Nm	244	200
WM-B15-1	WM-B15-1-BT				0.75~15 Nm	2.25~15 Nm			
WM-B25-1	WM-B25-1-BT				1.25~25 Nm	3.75~25 Nm			

註：精度的扭力範圍在最大操作值的20%~100%

Notes: Accuracy guaranteed at 20% to 100% of full scale.

W-SB Series

BIT起子頭工具架套組

Screwdriver Bit Set



W-SB25-1



W-SB25-2



W-SB25-3



W-SB25-4



W-SB25-5

SPECIFICATIONS:

產品編號 Item No.	規格 Specification	六角頭部 Insert Hex Shank	長度 Length	適用產品 Apply to
W-SB25-1	六角型 / Hex：1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm	1/4"	~25mm	WM-SD series WM-B series
W-SB25-2	六角型 / Hex：2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm			
W-SB25-3	一字 / Slotted：4, 5.5, 7 十字 / Phillips：PH00, PH0, PH1, PH2			
W-SB25-4	星型 / Star Tamperproof：T10, T15, T20, T25, T27, T30, T40			
W-SB25-5	星型 / Star Tamperproof：T4, T5, T6, T7, T8, T9, T10			

數位扭力顯示器 Digital Torque Adapter

不僅可成為
數位扭力扳手
it can be an e-wrench

更可變成
校正器使用

- 峰值保持(K)與扭力追隨(F)模式(可訂製特殊K模式)
- 省電模式：2分鐘自動關機(可訂製不開機模式)
- 記錄使用次數、歷史最大扭力
- 四種扭力單位，可供選擇切換：N-m, kgf-cm, lbf-in, lbf-ft
- 蜂鳴聲、LED燈警示(到達預設扭力值80%時)
※不得用於電動扳手或氣動扳手※

- Two modes：F(Track) / K(Peak)
- Automatically powers off when not in use for 2 minutes
(The non-shutdown mode can be customized)
- Recording usage frequency and the historical maximum torque
- 4 units change: N-m, kgf-cm, lbf-in, lbf-ft
- Warning function：Beep, LED indicator
(When reach the torque setting value 80%)
※Not for air wrench and electric wrench.※

WS-60-2



- 數位扭力轉接頭，接上一般或機械式棘輪扳手，即成為數位扭力扳手
- 配件：收納用鐵製工具箱x1, 出廠校驗報告(符合ISO品質認證規範)x1, 說明書(中/英)x1, CR2032鋰電池x1, 迷你螺絲起子(更換電池用)x1
- To connect any traditional ratchet wrench or hand socket wrench, it can be digital torque wrench.
- Content : Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide(Bilingual) x1, Mini screwdriver(replace the battery) x1

SPECIFICATIONS: ※Unit Conversion : 1 Nm = 10.2 kgf-cm = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No.	精度 Accuracy	方頭 Drive	方凹頭 Drive Hole	顯示及設定範圍 Setting Range	建議使用範圍 Suggested Range	解析度 Resolution	顯示器尺寸 Size(mm) (L x W x H)	顯示器重量 Weight(g)
WS-60-2	CW:±1.5%	3/8"	3/8"	3~60 Nm	9~60 Nm	0.01 Nm	75 x 42 x 39	189
WS-135-2				6.8~135 Nm	20~135 Nm	0.1 Nm		
WS-200-3	CCW:±2.5%	1/2"	1/2"	10~200 Nm	30~200 Nm			
WS-340-3				17~340 Nm	50~340 Nm			

註：精度的扭力範圍在最大操作值的20%~100% Notes: Accuracy guaranteed at 20% to 100% of full scale.

WS-A340-3



- 數位扭力轉接頭，接上一般或機械式棘輪扳手，即成為數位扭力扳手
- 鎖固時，可量測旋轉多少角度的功能
- 配件：收納用鐵製工具箱x1, 出廠校驗報告(符合ISO品質認證規範)x1, 說明書(中/英)x1, AAA電池x2, L型六角扳手(更換電池用)x1
- To connect any traditional ratchet wrench or hand socket wrench, it can be digital torque wrench.
- Can measurement the degree after tighten the screw or nut.
- Content : Storage steel box x1, Certificate of calibration report (Using ISO specification) x1, User guide (Bilingual) x1, L-type hex key wrench (replace the battery) x1

SPECIFICATIONS: ※Unit Conversion : 1 Nm = 10.2 kgf-cm = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No.	精度 Accuracy	方頭 Drive	方凹頭 Drive Hole	顯示及設定範圍 Setting Range	建議使用範圍 Suggested Range	解析度 Resolution	顯示器尺寸 Size(mm) (L x W x H)	顯示器重量 Weight(g)
WS-A135-2	CW:±1.5%	3/8"	3/8"	6.8~135 Nm / 0.1°~360°	20~135 Nm	0.1 Nm / 0.1°	75 x 50 x 39	210
WS-A200-3				10~200 Nm / 0.1°~360°	30~200 Nm			
WS-A340-3	CCW:±2.5%	1/2"	1/2"	17~340 Nm / 0.1°~360°	50~340 Nm			

註：精度的扭力範圍在最大操作值的20%~100% Notes: Accuracy guaranteed at 20% to 100% of full scale.

扳手校正機

Torque Calibration System

- 可透過傳感器對扭力扳手進行校正，確認扭力扳手精準度
- 蜂鳴器、LED燈警示 (到達預設扭力值80%時)
- 超過設定值101%時，錶頭背景由藍光轉紅光，蜂鳴聲保持聲響
- 四種單位選擇 N-m, ft-lb, in-lb, kgf-cm
- 30組扭力預設值
- 峰值保持(P) 與扭力追隨(T)模式
- ※不得用於電動扳手或氣動扳手※

- Calibrate the torque wrench using a sensor to verify its accuracy
- Warning function : Beep, LED indicator. (When reach the torque setting value 80%)
- The backlight changes from blue to red, and the buzzer continues to sounds (When reach the torque setting value 101%)
- Four torque units are available : N-m, ft-lb, in-lb, kgf-cm
- Can store 30 memory setting values
- Two modes : Track /Peak
- ※Not for air wrench and electric wrench.※



②傳感器Sensor

※扳手用

檢測範圍從0.05Nm到1200Nm，需根據不同的扭力選購對應的傳感器

For Torque Wrench Calibration

Measurement range from 0.05Nm to 1200Nm.

Select the appropriate sensor based on the required torque

※顯示器

附贈底座可插入顯示器進行使用(請參考149頁)

For Adapter Calibration (Please refer to P.149)

Includes a base for integrating with a adapter

③桌上型扭力測試架Torque Test Stand

三種尺寸，根據扳手長度選購合適的測試架

Three sizes, selectable based on wrench length



①錶頭Meter

充電式設計，單一錶頭可連接多種型號的傳感器

Rechargeable design, compatible with various sensor models

■ 校正機台組合為：① + ② + ③

■ Torque calibration system : ① + ② + ③



錶頭+傳感器，買即送防震工具箱
Meter+Sensor, Buy and get a shockproof toolbox for free



■ 配件：說明書(中/英)x1, Type-C to C訊號傳輸線x1 · USB to Type-C充電線x1

■ Content：User guide(Bilingual) x1, Type-C to C Signal Transmission Cable x1, USB to Type-C Charging Cable x1

SPECIFICATIONS:

產品編號 Item No.	顯示及設定範圍 Setting Range	解析度 Resolution	尺寸 Size (cm) L x W x H	重量 Weight(kg)	適用產品 Apply to
WC-S1-C	依照傳感器規格 According to sensor specifications		17.2 x 13.5 x 2	0.39	WC-SS series



■ 配件：防震工具箱x1, 出廠校驗報告(符合ISO品質認證規範)x1

■ Content：Anti-shock tool box x1, Certificate of calibration report (Using ISO specification) x1

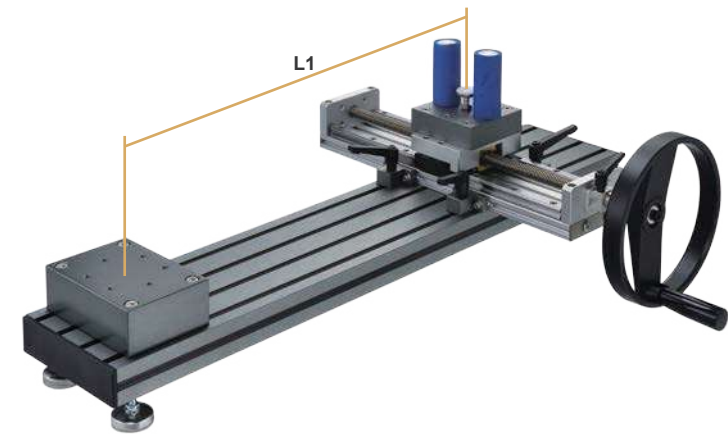
SPECIFICATIONS:

※Unit Conversion：1 Nm = 100 cNm = 10.2 kgf-cm = 0.738 lbf-ft = 8.851 lbf-in

產品編號 Item No.	精度 Accuracy	顯示及設定範圍 Setting Range	校正範圍 Calibration Range	方頭 Drive(inches)	解析度 Resolution	尺寸 Size (cm) (L x W x H)	重量 Weight (kg)
WC-SS5-1	CW:±0.5% CCW:±1%	※5-500 cNm	※25-500 cNm	1/4"	0.1 cNm	9.3 x 9.3 x 7.9	0.73
WC-SS10-1		0.1~10 Nm	0.5~10 Nm		0.01 Nm		
WC-SS50-1		0.5~50 Nm	2.5~50 Nm				
WC-SS80-2		0.8~80 Nm	4~80 Nm	3/8"	0.1 Nm	9.4 x 9.4 x 8	1.04
WC-SS160-2		1.6~160 Nm	8~160 Nm				
WC-SS250-3		2.5~250 Nm	12.5~250 Nm	1/2"		11.0 x 11.0 x 10.4	1.03
WC-SS450-3		4.5~450 Nm	22.5~450 Nm				
WC-SS650-4		6.5~650 Nm	32.5~650 Nm	3/4"		11.7 x 11.7 x 15.5	1.96
WC-SS850-4		8.5~850 Nm	42.5~850 Nm				
WC-SS1200-5		12~1200 Nm	60~1200 Nm	1"	1 Nm		3.2

註：精度的扭力範圍在最大操作值的5%~100%

Notes: Accuracy guaranteed at 5% to 100% of full scale.



■ 配件：開口扳手x1(固定腳座用), L型六角扳手x1(固定傳感器用), 氣泡水平儀x1

■ Content：Open-end wrench x1 (for fixing the base), L-shaped hex wrench x1 (for fixing the sensor), bubble level x1

SPECIFICATIONS:

產品編號 Item No.	L1 (cm)	尺寸 Size(cm) (L x W x H)	重量 Weight(kg)	配件 Accessories
WC-LD50	14.5~34	51 x 31.2 x 25.5	10.19	1/4"
WC-LD80	14.5~65.5	81 x 60.5 x 25.6	13.78	1/4" 3/8" 1/2"
WC-LD150	29.5~116	152 x 81.5 x 38	-	-

L1說明:

扳手校正點
Wrench calibration point



棘輪頭中心點
Ratchet head center point

註：L1為傳感器中心至扳手校正點的距離

Note: L1 represents the distance from the center of the sensor to the calibration point of the wrench.

保固及校正檢驗需知

一、本產品之保固期:

- 1.保固期限為售出日期起算一年整。
- 2.本公司係依您購買本產品之相關購買憑證(如:發票、出貨單等)認定保固期,請您務必妥善保存相關購買憑證,以確保您的權益。
若遺失相關購買憑證,將以扳手上之序號對應本公司系統出售日期為主。

二、本產品保固範圍為保固期內,且正常使用本產品,如有下述情形者,則不在本產品保固服務範圍內:

- 1.未遵循本產品之規格,使用手冊內容之方式操作或不當使用本產品者。
- 2.自行拆裝、修理、添加附件或修改、調整本產品之電路、機械結構者。
- 3.自然耗損或屬消耗品之零件、附件及配件。
- 3.產品在保固期內,本公司雖提供免費維修服務,但如遇下列情況者,本公司得酌收材料與人工費用:
 - 1.產品之保固資料不完整或不實者。
 - 2.遭遇不可抗拒之天災、地變與人禍而導致產品損壞者。
 - 3.使用非本公司製造或銷售之原廠耗材、配件或與型號不符之耗材而導致產品損壞者。
 - 4.非屬產品保固範圍內之調整、校正、維修,或非本產品本身問題而導致產品損壞者(本公司得酌收檢修工時之費用)。
 - 5.因您未正常使用本產品而導致產品損壞者。
 - 6.產品清潔髒汙之清理。

四、於保固期內而屬本產品保固範圍內之維修,若遇有零件停產之情事,本公司得以其他機種之相容性零件代之,或以同等級之機種提供換機服務。

五、當本產品需要送修、校正、調整時,請您與購買經銷商或本公司聯絡(請勿自行拆卸任何零件以免造成其他損壞)。

經濟部標準檢驗局 常用度量衡單位換算表

長 度										
法定度量衡單位			非法定度量衡單位不建議繼續使用（以往用法或其他國家使用單位）							
毫米 (mm)	公尺或米 (m)	公里或千 米 (km)	市尺	營造尺	舊日尺 (台尺)	吋	呎	碼	哩	國際哩
1	0.001	… …	0.003	0.00313	0.0033	0.03937	0.00328	0.00109	… …	… …
1000	1	0.001	3	3.125	3.3	39.37	3.28084	1.09361	0.00062	0.00054
… …	1000	1	3000	3125	3300	39370	3280.84	1093.61	0.62137	0.53996
333.333	0.33333	0.00033	1	1.04167	1.1	13.1233	1.09361	0.36454	0.00021	0.00018
320	0.32	0.00032	0.96	1	1.056	12.5984	1.04987	0.34996	0.0002	0.00017
303.030	0.30303	0.00030	0.90909	0.94697	1	11.9303	0.99419	0.33140	0.00019	0.00016
25.4	0.0254	0.00003	0.07620	0.07938	0.08382	1	0.08333	0.02778	0.00002	0.00001
304.801	0.30480	0.00031	0.91440	0.95250	1.00584	12	1	0.33333	0.00019	0.00017
914.402	0.91440	0.00091	2.74321	2.85751	3.01752	36	3	1	0.00057	0.00049
… …	1609.35	1.60935	4828.04	5029.21	5310.83	63360	5280	1760	1	0.86898
… …	1852.00	1.85200	5556.01	5787.50	6111.60	72913.2	6076.10	2025.37	1.15077	1
舊制： 1英碼=0.9143992公尺 1公尺=1.0936143英碼 1英吋=2.539998公分 1海里=6080呎 1美碼=0.91440183公尺 1公尺=1.0936111美碼 1美吋=2.54000公分 由於單位換算部分無法整除，本表僅供參考										

體積（容量）										
法定度量衡單位		非法定度量衡單位不建議繼續使用（以往用法或其他國家使用單位）								
毫公升或毫升 (ml) (mL)	公升或升 (l) (L)	營造升	日升 (台升)	英液溫司	美液溫司	美液品脫	英加侖	美加侖	英蒲式耳	美蒲式耳
1	0.001	0.00097	0.00055	0.03520	0.03382	0.00211	0.00022	0.00026	0.00003	0.00003
1000	1	0.96575	0.55435	35.1960	38.8148	2.11342	0.21998	0.26418	0.02750	0.02838
1035.47	1.03547	1	0.57402	36.4444	35.0141	2.18838	0.22777	0.27355	0.02960	0.02939
1803.91	1.80391	1.74212	1	63.4904	60.9986	3.81242	0.39682	0.47655	0.04960	0.05119
28.4123	0.02841	0.02744	0.01585	1	0.96075	0.06005	0.00625	0.00751	0.00078	0.00081
29.5729	0.02957	0.02856	0.01639	1.04086	1	0.06250	0.00651	0.00781	0.00081	0.00084
473.167	0.47317	0.45696	0.26230	16.6586	16	1	0.10409	0.1250	0.01301	0.01343
4545.96	4.54596	4.39025	2.52007	160	153.721	9.60752	1	1.20094	0.1250	0.12901
3785.33	3.78533	3.65567	2.09841	133.229	128	8	0.83268	1	0.10419	0.10745
3636.77	36.3677	35.1220	20.1605	1280	1229.76	76.8602	8	9.60753	1	1.02921
35238.3	35.2383	34.0313	19.5344	1240.25	1191.57	74.4733	7.75156	9.30917	0.96895	1
1公升 = 1立方公寸 1英加侖 = 8英品脫 = 160英液溫司 = 32英及耳 1美加侖 = 8美液品脫 = 128美液溫司 = 32美及耳 由於單位換算部分無法整除，本表僅供參考										

質 量（重量）										
法定度量衡單位			非法定度量衡單位不建議繼續使用（以往用法或其他國家使用單位）							
公克或克 (g)	公斤或千克 (kg)	公噸 (t)	市斤	營造 庫平斤	台兩	日斤 (台斤)	溫司 (盎司)	磅	長噸	短噸
1	0.001	… …	0.002	0.00168	0.02667	0.00167	0.03527	0.00221	… …	… …
1000	1	0.001	2	1.67556	26.6667	1.66667	35.2740	2.20462	0.00098	0.00110
… …	1000	1	2000	1675.56	26666.7	1666.67	35274.0	2204.62	0.98421	1.10231
500	0.5	0.0005	1	0.83778	13.3333	0.83333	17.6370	1.10231	0.00049	0.00055
596.816	0.59682	0.0006	1.19363	1	15.9151	0.99469	21.0521	1.31575	0.00060	0.00060
37.5	0.0375	0.00004	0.075	0.06283	1	0.0625	1.32277	0.08267	0.00004	0.00004
600	0.6	0.0006	1.2	1.00534	16	1	21.1644	1.32277	0.00059	0.00066
28.3495	0.02835	0.00003	0.0567	0.04692	0.75599	0.04725	1	0.0625	0.00003	0.00003
453.592	0.45359	0.00045	0.90719	0.76002	12.0958	0.75599	16	1	0.00045	0.00050
… …	1016.05	1.01605	203.209	1702.45	27094.6	1639.41	35840	2240	1	1.12
907185	907.185	0.90719	1814.37	1520.04	24191.6	1511.98	32000	2000	0.89286	1
1英磅=0.45359245公斤 1脫來磅 = 12脫來溫司 = 0.822857磅 1克拉 = 0.2公克 1美磅=0.4535924277公斤 1日貫 =1000日芻 =6.25台斤 =100台兩 1克冷 =0.0648公克 由於單位換算部分無法整除，本表僅供參考										

面 積 (地積)										
法定 度量衡單位	非法定度量衡單位		法定 度量衡單位	非法定度量衡單位不建議繼續使用（以往用法或其他國家使用單位）						
平方公尺 (m ²)	公畝	公頃	平方公里 (km ²)	市畝	營造畝	日坪	日畝	台灣甲	英畝	美畝
1	0.01	0.0001	… …	0.0015	0.001628	0.30250	0.01008	0.000103	0.00025	0.00025
100	1	0.01	0.0001	0.15	0.16276	30.25	1.00833	0.01031	0.02471	0.02471
10000	100	1	0.01	15	16.276	3025.0	100.833	1.03102	2.47106	2.47104
… …	10000	100	1	1500	1627.6	302500	10083.3	10.3102	247.106	247.104
666.666	6.66667	0.06667	0.000667	1	108507	201.667	6.72222	0.06874	0.16441	0.16474
614.40	6.1440	0.06144	0.000614	0.9216	1	185.856	6.19520	0.06238	0.15203	0.15182
3.30579	0.03306	0.00033	… …	0.00496	0.00538	1	0.03333	0.00034	0.00082	0.00082
99.1736	0.99174	0.00992	0.00009	0.14876	0.16142	30	1	0.01023	0.02451	0.02451
9699.17	96.9917	0.96992	0.00970	14.5488	15.7866	2934	97.80	1	2.39672	2.39647
4046.85	40.4685	0.40469	0.00405	6.00029	6.58666	1224.17	40.8057	0.41724	1	0.99999
4046.87	4.04687	0.40469	0.00405	6.07031	6.58671	1224.18	40.806	0.41724	1.000005	1
1平方哩 = 2.58999 平方公里 = 640美(英)畝 1台灣甲= 2934日坪 1日町 = 10 段 = 100日畝= 3000日坪 由於單位換算部分無法整除，本表僅供參考										

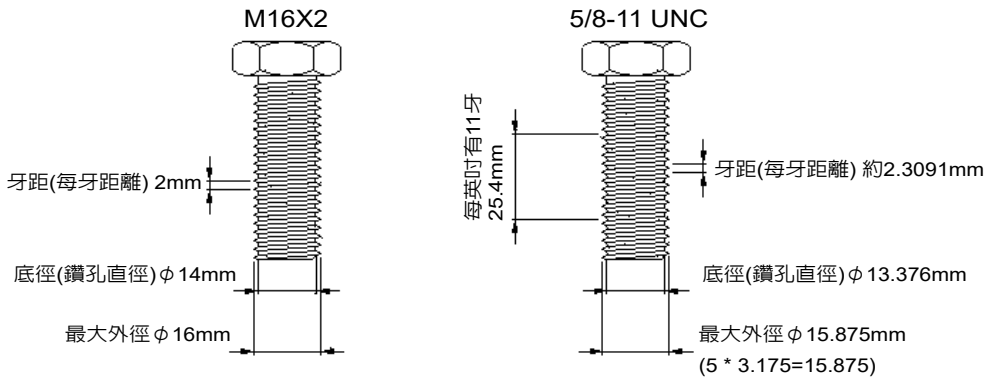
螺絲規格定義與認識



常見螺絲規格與標示：

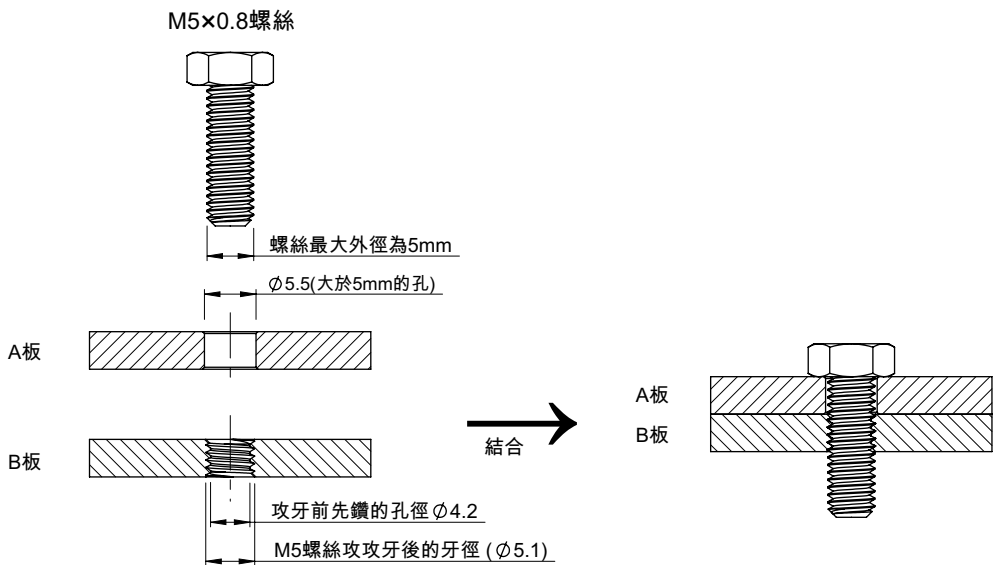
- A: 國際標準螺紋 ISO screw thread(又稱公制牙)
公制系統以其外徑與牙距表示之，且有粗細牙之分。如M5×0.8即表示公制螺紋，外徑5mm，牙距0.8mm。粗牙可不表示出來，如上例以M5表示即可(ISO261)。中國國家標準採用ISO公制系統(CNS497、498)。另外，公制粗螺紋一般為了方便表示螺絲長度規格，通常除了將牙距省略外，會於公制螺紋後加上長度，例如:M5×20(L)，表示為公制M5螺栓，螺牙總長度20mm。
- B: 統一標準螺紋The unified screw thread (或稱英制螺紋，為美國、加拿大、英國等通用)
其系統之表示方法與ISO相類似，亦以其外徑為其規格，並以每英吋(相當於25.4mm)螺栓長度內，所包含的螺牙數目為牙距標準。例如3/8英吋的螺絲，其標示為3/8-16UNC，代表最大外徑為3/8英吋的螺絲，即三分牙，一分為3.175mm，螺栓長度在每1英吋內有16牙的英制粗牙規格螺栓。另外，英制螺紋亦有細牙規格，如3/8-24UNF，代表最大外徑為3/8英吋的螺絲，螺栓長度在每1英吋內有24牙的英制細牙規格螺栓。

下列為公制M16螺絲與英制5/8 UNC 螺絲之相關尺寸比較：



攻牙前鑽孔尺寸 = 螺紋底徑
公制牙鑽孔尺寸通常為螺絲外徑-牙距(簡易算法)
例如:M3 X 0.5 (外徑 = 3mm ,牙距 = 0.5mm)
鑽孔尺寸 = 3mm - 0.5 = 2.5mm
M5 X 0.8
鑽孔尺寸 = 5mm - 0.8 = 4.2mm

英制牙鑽孔尺寸也是用螺絲外徑-牙距(但通常先換算為公制尺寸較為方便鑽孔)
3/8-16UNC (外徑3/8" = 9.525mm ; 牙距=25.4/每英吋16牙=1.5875)
鑽孔尺寸 = 9.525mm - 1.5875mm = 7.9375mm，一般為求簡便，可以選擇直徑7.9mm或8.0mm的鑽頭

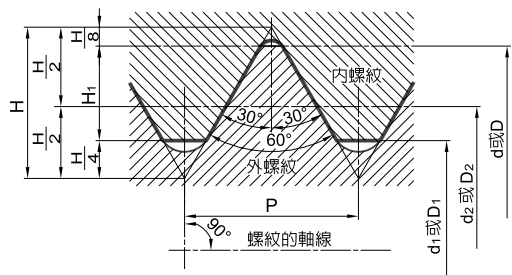


米厘牙規格



SIZE	P (T)	外徑 (D)		軋造徑 (d)		牙山 膨脹數
		最大	最小	最大	最小	
規格	牙數					
M2	0.4	1.980	1.890	1.70	1.67	0.250
2.3	0.4	2.280	2.190	2.00	1.97	0.250
2.6	0.45	2.580	2.480	2.26	2.23	0.281
3	0.5	2.980	2.870	2.63	2.60	0.313
3.5	0.6	3.470	3.360	3.06	3.03	0.375
4	0.7	3.978	3.838	3.49	3.45	0.438
4.5	0.75	4.478	4.338	3.95	3.91	0.468
5	0.8	4.976	4.826	4.43	4.38	0.500
6	1.0	5.970	5.820	5.30	5.25	0.625
7	1.0	6.970	6.820	6.30	6.25	0.625
8	1.25	7.960	7.790	7.12	7.07	0.782
9	1.25	8.960	8.790	8.12	8.07	0.782
10	1.5	9.960	9.770	8.97	8.91	0.940
11	1.5	10.968	10.732	9.97	9.91	0.940
12	1.75	11.950	11.760	10.79	10.73	1.094
14	2.0	13.950	13.740	12.63	12.56	1.264
16	2.0	15.950	15.740	14.63	14.56	1.264
18	2.5	17.950	17.710	16.31	16.23	1.560
20	2.5	19.950	19.710	18.31	18.23	1.560
22	2.5	21.950	21.710	20.31	20.23	1.560
24	3.0	23.940	23.680	21.98	21.90	1.870
27	3.0	26.940	26.680	24.98	24.89	1.870
30	3.5	29.940	29.660	27.66	27.56	2.190
33	3.5	32.940	32.660	30.65	30.56	2.190
36	4.0	35.930	35.630	33.33	33.23	2.500

【技術資料】公制的細螺牙 摘錄自JIS B 0207(1999)



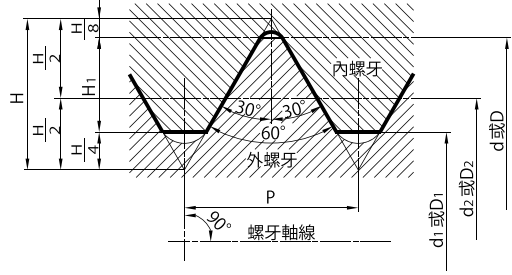
$H = 0.866025P$ $D = d$
 $H_1 = 0.541266P$ $D_2 = d_2$
 $D_1 = d_1$
 $d_2 = d - 0.649519P$
 $d_1 = d - 1.082532P$

單位：mm

螺紋的稱呼	螺距 P	接合高度 H ₁	內螺紋		
			外徑D	有效徑D ₂	谷徑D ₁
			外螺紋		
			外徑d	有效徑d ₂	谷徑d ₁
M 1 ×0.2	0.2	0.108	1.000	0.870	0.783
M 1.1×0.2	0.2	0.108	1.100	0.970	0.883
M 1.2×0.2	0.2	0.108	1.200	1.070	0.983
M 1.4×0.2	0.2	0.108	1.400	1.270	1.183
M 1.6×0.2	0.2	0.108	1.600	1.470	1.383
M 1.8×0.2	0.2	0.108	1.800	1.670	1.583
M 2 ×0.25	0.25	0.135	2.000	1.838	1.729
M 2.2×0.25	0.25	0.135	2.200	2.038	1.929
M 2.5×0.35	0.35	0.189	2.500	2.273	2.121
M 3 ×0.35	0.35	0.189	3.000	2.773	2.621
M 3.5×0.35	0.35	0.189	3.500	3.273	3.121
M 4 ×0.5	0.5	0.271	4.000	3.675	3.459
M 4.5×0.5	0.5	0.271	4.500	4.175	3.959
M 5 ×0.5	0.5	0.271	5.000	4.675	4.459
M 5.5×0.5	0.5	0.271	5.500	5.175	4.959
M 6 ×0.75	0.75	0.406	6.000	5.513	5.188
M 7 ×0.75	0.75	0.406	7.000	6.513	6.188
M 8 ×1	1	0.541	8.000	7.350	6.917
M 8 ×0.75	0.75	0.406	8.000	7.513	7.188
M 9 ×1	1	0.541	9.000	8.350	7.917
M 9 ×0.75	0.75	0.406	9.000	8.513	8.188
M 10 ×1.25	1.25	0.677	10.000	9.188	8.647
M 10 ×1	1	0.541	10.000	9.350	8.917
M 10 ×0.75	0.75	0.406	10.000	9.513	9.188
M 11 ×1	1	0.541	11.000	10.350	9.917
M 11 ×0.75	0.75	0.406	11.000	10.513	10.188
M 12 ×1.5	1.5	0.812	12.000	11.026	10.376
M 12 ×1.25	1.25	0.677	12.000	11.188	10.647
M 12 ×1	1	0.541	12.000	11.350	10.917
M 14 ×1.5	1.5	0.812	14.000	13.026	12.376
M 14 ×1.25	1.25	0.677	14.000	13.188	12.647
M 14 ×1	1	0.541	14.000	13.350	12.917
M 15 ×1.5	1.5	0.812	15.000	14.026	13.376
M 15 ×1	1	0.541	15.000	14.350	13.917
M 16 ×1.5	1.5	0.812	16.000	15.026	14.376
M 16 ×1	1	0.541	16.000	15.350	14.917
M 17 ×1.5	1.5	0.812	17.000	16.026	15.376
M 17 ×1	1	0.541	17.000	16.350	15.917
M 18 ×2	2	1.083	18.000	16.701	15.835
M 18 ×1.5	1.5	0.812	18.000	17.026	16.376
M 18 ×1	1	0.541	18.000	17.350	16.917
M 20 ×2	2	1.083	20.000	18.701	17.835
M 20 ×1.5	1.5	0.812	20.000	19.026	18.376
M 20 ×1	1	0.541	20.000	19.350	18.917
M 22 ×2	2	1.083	22.000	20.701	19.835
M 22 ×1.5	1.5	0.812	22.000	21.026	20.376
M 22 ×1	1	0.541	22.000	21.350	20.917
M 24 ×2	2	1.083	24.000	22.701	21.835
M 24 ×1.5	1.5	0.812	24.000	23.026	22.376
M 24 ×1	1	0.541	24.000	23.350	22.917

螺紋的稱呼	螺距 P	接合高度 H ₁	內螺紋		
			外徑D	有效徑D ₂	谷徑D ₁
			外螺紋		
			外徑d	有效徑d ₂	谷徑d ₁
M 25×2	2	1.083	25.000	23.701	22.835
M 25×1.5	1.5	0.812	25.000	24.026	23.376
M 25×1	1	0.541	25.000	24.350	23.917
M 26×1.5	1.5	0.812	26.000	25.026	24.376
M 27×2	2	1.083	27.000	25.701	24.835
M 27×1.5	1.5	0.812	27.000	26.026	25.376
M 27×1	1	0.541	27.000	26.350	25.917
M 28×2	2	1.083	28.000	26.701	25.835
M 28×1.5	1.5	0.812	28.000	27.026	26.376
M 28×1	1	0.541	28.000	27.350	26.917
M 30×3	3	1.624	30.000	28.051	26.752
M 30×2	2	1.083	30.000	28.701	27.835
M 30×1.5	1.5	0.812	30.000	29.026	28.376
M 30×1	1	0.541	30.000	29.350	28.917
M 32×2	2	1.083	32.000	30.701	29.835
M 32×1.5	1.5	0.812	32.000	31.026	30.376
M 33×3	3	1.624	33.000	31.051	29.752
M 33×2	2	1.083	33.000	31.701	30.835
M 33×1.5	1.5	0.812	33.000	32.026	31.376
M 35×1.5	1.5	0.812	35.000	34.026	33.376
M 36×3	3	1.624	36.000	34.051	32.752
M 36×2	2	1.083	36.000	34.701	33.835
M 36×1.5	1.5	0.812	36.000	35.026	34.376
M 38×1.5	1.5	0.812	38.000	37.026	36.376
M 39×3	3	1.624	39.000	37.051	35.752
M 39×2	2	1.083	39.000	37.701	36.835
M 39×1.5	1.5	0.812	39.000	38.026	37.376
M 40×3	3	1.624	40.000	38.051	36.752
M 40×2	2	1.083	40.000	38.701	37.835
M 40×1.5	1.5	0.812	40.000	39.026	38.376
M 42×4	4	2.165	42.000	39.402	37.670
M 42×3	3	1.624	42.000	40.051	38.752
M 42×2	2	1.083	42.000	40.701	39.835
M 42×1.5	1.5	0.812	42.000	41.026	40.376
M 45×4	4	2.165	45.000	42.402	40.670
M 45×3	3	1.624	45.000	43.051	41.752
M 45×2	2	1.083	45.000	43.701	42.835
M 45×1.5	1.5	0.812	45.000	44.026	43.376
M 48×4	4	2.165	48.000	45.402	43.670
M 48×3	3	1.624	48.000	46.051	44.752
M 48×2	2	1.083	48.000	46.701	45.835
M 48×1.5	1.5	0.812	48.000	47.026	46.376
M 50×3	3	1.624	50.000	48.051	46.752
M 50×2	2	1.083	50.000	48.701	47.835
M 50×1.5	1.5	0.812	50.000	49.026	48.376
M 52×4	4	2.165	52.000	49.402	47.670
M 52×3	3	1.624	52.000	50.051	48.752
M 52×2	2	1.083	52.000	50.701	49.835
M 52×1.5	1.5	0.812	52.000	51.026	50.376
M 55×4	4	2.165	55.000	52.402	50.670
M 55×3	3	1.624	55.000	53.051	51.752
M 55×2	2	1.083	55.000	53.701	52.835
M 55×1.5	1.5	0.812	55.000	54.026	53.376

【技術資料】公制的粗螺牙 摘錄自JIS B 0205(2001)



$H = 0.866025P$ $D = d$
 $H_1 = 0.541266P$ $D_2 = d_2$
 $D_1 = d_1$
 $d_2 = d - 0.649519P$
 $d_1 = d - 1.082532P$

單位：mm

螺牙No.(1)*			螺距 P	旋合高度 H ₁	内螺牙		
1欄	2欄	3欄			谷徑D	有效徑D ₂	内徑D ₁
					外螺牙		
					外徑d	有效徑d ₂	谷徑d ₁
M 1	M 1.1		0.25	0.135	1.000	0.838	0.729
M 1.2			0.25	0.135	1.100	0.938	0.829
			0.25	0.135	1.200	1.038	0.929
M 1.6	M 1.4		0.3	0.162	1.400	1.205	1.075
	M 1.8		0.35	0.189	1.600	1.373	1.221
				0.35	0.189	1.800	1.573
M 2	M 2.2		0.4	0.217	2.000	1.740	1.567
M 2.5			0.45	0.244	2.200	1.908	1.713
			0.45	0.244	2.500	2.208	2.013
M 3	M 3.5		0.5	0.271	3.000	2.675	2.459
M 4			0.6	0.325	3.500	3.110	2.850
				0.7	0.379	4.000	3.545
M 5 M 6	M 4.5		0.75	0.406	4.500	4.013	3.688
			0.8	0.433	5.000	4.480	4.134
			1	0.541	6.000	5.350	4.917
M 8	M 7		1	0.541	7.000	6.350	5.917
	M 9		1.25	0.677	8.000	7.188	6.647
				1.25	0.677	9.000	8.188
M10		M11	1.5	0.812	10.000	9.026	8.376
M12			1.5	0.812	11.000	10.026	9.376
			1.75	0.947	12.000	10.863	10.106
M16	M14		2	1.083	14.000	12.701	11.835
	M18		2	1.083	16.000	14.701	13.835
				2.5	1.353	18.000	16.376
M20	M22		2.5	1.353	20.000	18.376	17.294
M24			2.5	1.353	22.000	20.376	19.294
			3	1.624	24.000	22.051	20.752
M30	M27		3	1.624	27.000	25.051	23.752
	M33		3.5	1.894	30.000	27.727	26.211
				3.5	1.894	33.000	30.727
M36	M39		4	2.165	36.000	33.402	31.670
M42			4	2.165	39.000	36.402	34.670
			4.5	2.436	42.000	39.077	37.129
M48	M45		4.5	2.436	45.000	42.077	40.129
	M52		5	2.706	48.000	44.752	42.587
				5	2.706	52.000	48.752
M56	M60		5.5	2.977	56.000	52.428	50.046
M64			5.5	2.977	60.000	56.428	54.046
			6	3.248	64.000	60.103	57.505
	M68		6	3.248	68.000	64.103	61.505

*第1欄為優先，依情況依序選擇2，3欄。

