

YOUR
WORLD

IN

MOTION

SINZ PRODUCTS

欣軍配電軟管

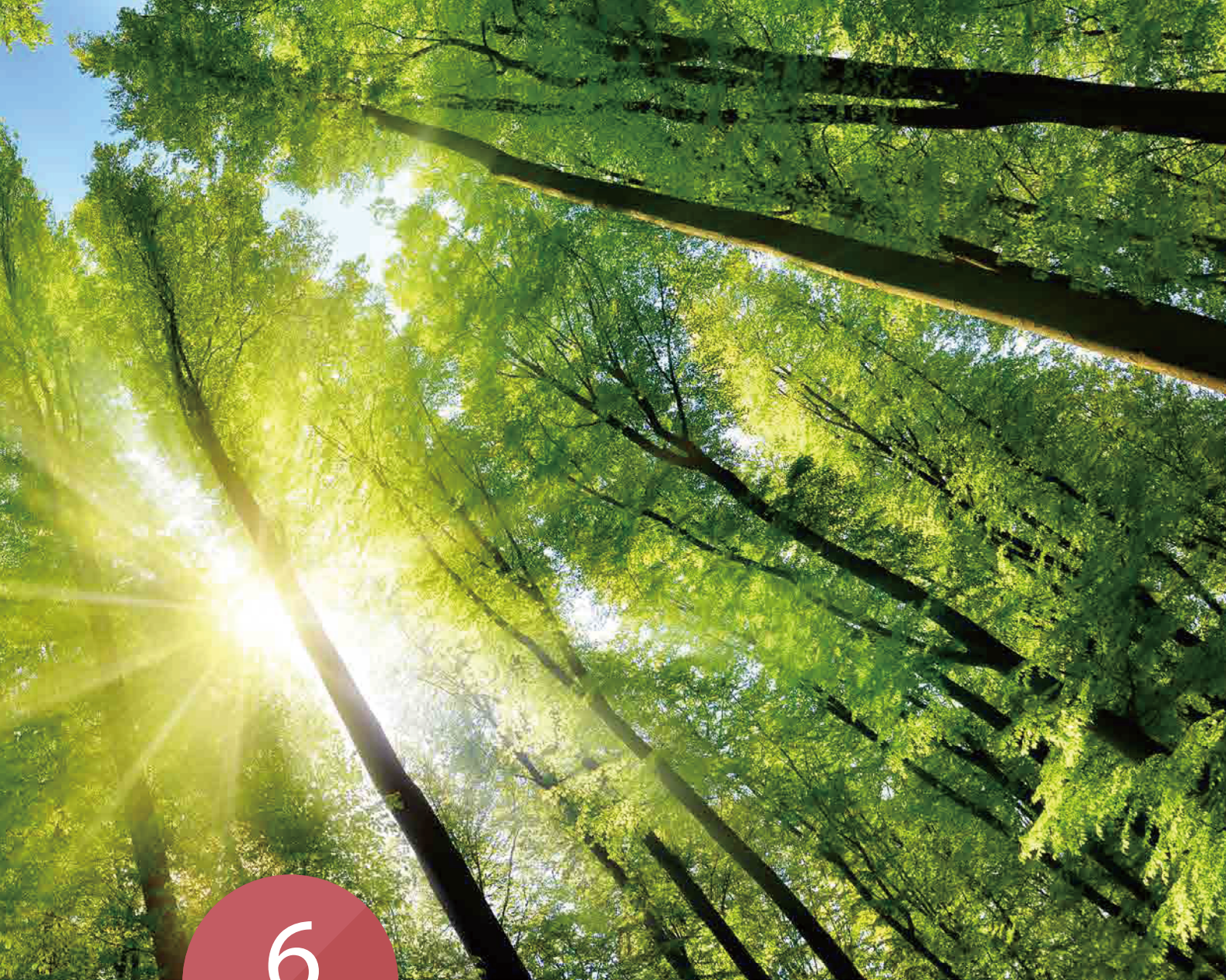


穩健踏實 · 凌駕優越
精益求精 · 專業為本

欣軍擁有創新研究、多元開發、精密製造、國際認證、品質領先、交貨迅速、完善服務之競爭優勢，務求提供您滿意之專業產品。

TRY FOR THE BEST

PROFESSION IS ORIGINALLY OF ENTERPRISE SPIRIT

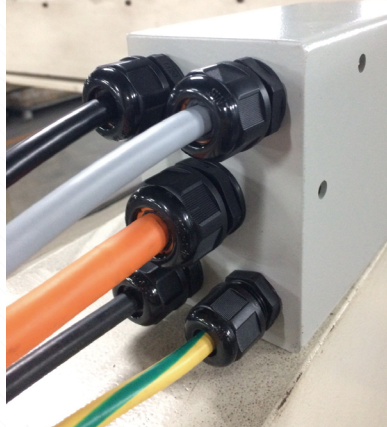


6

大經營理念

- 1 / 優良產品來自不斷地精進與改良經驗
- 2 / 不斷地研發與創新專業產品
- 3 / 提供專業能力與技術保證
- 4 / 可靠的信譽來自客戶的價值
- 5 / 客戶至上的服務精神
- 6 / 符合客戶使用與需求的專業品質

- 008 | SQ303 封閉式鏈條護管 (護蓋可掀開 | 標準型)
SQ303 CABLE CHAIN (Protection cover can be opened | Standard type)
- 009 | SQ303 法蘭型式及裝置方法
SQ303 FLANGE TYPE & CABLE FLANGE ARRANGEMENTS
- 010 | SQ303 結構功能、護蓋掀開及組合操作方法
SQ303 STRUCTURAL FUNCTION, SLEEVE LIFT & ASSEMBLY METHOD
- 011 | 鏈條護管應用概念、長度計算方式
APPLICATION CONCEPT OF CABLE CHAIN, LENGTH CALCULATION
- 012 | SQ603 輕巧型開放式鏈條護管 (橫桿不可掀開)
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- 018 | SQ822 輕型開放式鏈條護管 (橫桿可掀開、拆卸)
SQ822 CABLE CHAIN (Cross shaft can be opened)
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- 020 | SQ812、SQ813、SQ822、SQ823 系列間隔板及橫隔板配置
SQ812、SQ813、SQ822、SQ823 SERIES PARTITION AND HORIZON SEPARATOR
- 021 | SQ602 輕巧型封閉式鏈條護管 (護蓋不可掀開)
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- 022 | SQ402 重型開放式鏈條護管 (橫桿可拆卸)
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- 023 | SQ403 重型封閉式鏈條護管 (護蓋可掀開)
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- 024 | SQ402、SQ403 結構功能、法蘭型式及裝置方法
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- 025 | 標準疏線板 / 橫桿疏線板
STANDARD THINNER BOARD /
CROSSBAR THINNING BOARD
- 026 | SQ502 巨型開放式鏈條護管 (橫桿可拆卸)
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039

可撓性軟管系列 FLEXIBLE CONDUIT SERIES

- 040 | 抗拉力防水配電軟管
INTERLOCKED LIQUID-TIGHT FLEXIBLE
CONDUITS
- 041 | 浪型防水配電軟管 (輕軟型)
ECONOMIC LIQUID-TIGHT FLEXIBLE
CONDUITS (Squarelocked)
- 042 | 抗拉力金屬配電軟管
INTERLOCKED METAL FLEXIBLE CONDUITS
- 043 | 輕軟型金屬配管軟管
SQUARELOCKED METAL FLEXIBLE CONDUITS
- 044 | 增安配電軟管 (抗拉力)
INCREASED-SAFETY OVERBRAIDED FLEXIBLE
CONDUITS (Interlocked)
- 045 | 增安配電軟管 (輕軟型)
INCREASED-SAFETY OVERBRAIDED FLEXIBLE
CONDUITS (Squarelocked)
- 046 | 防水增安配電軟管 (抗拉力)
LIQUID-TIGHT INCREASED-SAFETY
OVERBRAIDED FLEXIBLE CONDUITS
(Interlocked)
- 047 | 防水增安配電軟管 (輕軟型)
LIQUID-TIGHT INCREASED-SAFETY
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UL TYPE LIQUID-TIGHT FLEXIBLE CONDUITS

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- 049 | 不鏽鋼導水軟管
STAINLESS STEEL POURING SPOUT TUBES
- 050 | 不鏽鋼配線軟管 (抗拉雙扣型)
STAINLESS STEEL ARMORED CORD (Interlocked)
- 051 | 不鏽鋼配線軟管 (輕軟單鉤型)
STAINLESS STEEL ARMORED CORD (Squarelocked)
- 052 | 旋轉法蘭 (適用於承吊工具機操作盤)
TURNING FLANGE (For machine tools operative plate)

053

接頭系列

CONNECTORS SERIES

- 054 | 防水盒接頭
LIQUID-TIGHT CONNECTORS
- 055 | 防水管接頭
COMBINATION CONNECTORS
- 056 | 塑鋼防水盒接頭
POLYESTER LIQUID-TIGHT CONNECTORS
- 057 | PG 牙、M 牙金屬接頭
THREAD PG & M CONNECTORS ADAPTER (Metal)
- 058 | 軍規轉接頭 (金屬)
MS-PLUG/CONNECTORS ADAPTER (Metal)
- 059 | 夾牢式防水接頭 (油壓式夾牢不鬆脫)
SQUEEZE LIQUID-TIGHT CONNECTORS (Hydraulic clamp is not loose)
- 060 | 金屬電纜接頭
METAL CABLE GLAND
- 061 | 金屬電纜接頭
METAL CABLE GLAND
- 062 | 塑鋼電纜接頭
POLYESTER CABLE GLAND
- 063 | 軍規電纜轉接頭 (塑鋼)
MS-PLUG/CONNECTORS ADAPTER (Polyester)
- 064 | 金屬 90° 角形貼壁出線座 / MTR 金屬轉接頭
METAL 90° ANGLE-SHAPED WALL-MOUNTED OUTLET SOCKET/
MTR METAL ADAPTER

065

電子電源接頭系列 ELECTRON CONNECTOR SERIES

- 066 | 軍規接頭
MS CONNECTOR (MIL-DTL-5015)
- 067 | 軍規接頭
MS CONNECTOR (MIL-DTL-5015)
- 068 | SLS 電子電源接頭 (矩形座)
SLS ELECTRON CONNECTORS (Square receptacle)
- 069 | SLT 電子電源接頭 (圓形座)
SLT ELECTRON CONNECTORS (Circular receptacle)
- 070 | HARTING 歐式重載連接器
HARTING EUROPEAN HEAVY DUTY CONNECTOR
- 071 | HARTING 歐式重載連接器
HARTING EUROPEAN HEAVY DUTY CONNECTOR
- 072 | HARTING 歐式重載連接器
HARTING EUROPEAN HEAVY DUTY CONNECTOR
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HARTING EUROPEAN HEAVY DUTY CONNECTOR
- 074 | HARTING 歐式重載連接器
HARTING EUROPEAN HEAVY DUTY CONNECTOR
- 075 | HARTING 歐式重載連接器
HARTING EUROPEAN HEAVY DUTY CONNECTOR
- 076 | JN1 電子電源接頭 / CM10 電子電源接頭
JN1 ELECTRON CONNECTORS /
CM10 ELECTRON CONNECTORS
- 080 | 尼龍管快插接頭 (塑鋼)
NYLON TUBE QUICK CONNECTOR (Plastic steel)
- 081 | 尼龍管快插接頭 (塑鋼)
NYLON TUBE QUICK CONNECTOR (Plastic steel)
- 082 | 軍規轉接快插接頭 (塑鋼)
MS-PLUG/CONNECTORS ADAPTER (Plastic steel)
- 083 | 尼龍管迫緊接頭
NYLON TUBE COMPRESSION JOINT
- 084 | UL 尼龍管快插接頭 (塑鋼)
UL NYLON TUBE QUICK CONNECTORS (Plastic steel)
- 085 | UL 尼龍管快插接頭 (塑鋼)
UL NYLON TUBE QUICK CONNECTORS (Plastic steel)
- 086 | UL 軍規轉接快插接頭 (塑鋼)
UL MS-PLUG/CONNECTORS ADAPTER (Plastic steel)
- 087 | 2 1/2" 尼龍管接頭 (塑鋼)
2 1/2" NYLON TUBE CONNECTOR (Plastic steel)
- 088 | 尼龍管快速接頭 (簡易式 - 無防水)
NYLON TUBE QUICK CONNECTOR
(Simple type - no waterproof)

077

尼龍管及接頭系列 CORRUGATED NYLON TUBE AND CONNECTOR SERIES

- 078 | UL 防水尼龍配電軟管
UL WATERPROOF NYLON POWER
DISTRIBUTION HOSE
- 079 | 外織不鏽鋼絲防水尼龍配電軟管
STAINLESS WIRE BRADING CORRUGATED
NYLON TUBES

089

冷卻油管系列 COOLANT HOSE SERIES

- 090 | 切削油管、冷卻配組及不鏽鋼輸油管
(適用於工具機)
COOLANT TUBES、ACCESSORY MAGAZINE &
STAINLESS STEEL HOSES
(Suitable for machine tools)
- 091 | 塑鋼噴油管 (適用於工具機)
ADJUSTABLE POLYESTER HOSES (Suitable for
machine tools)
- 092 | 購買鏈條護管時稱呼
WHEN BUYING CABLE CHAINS



BECAUSE OF BELIEVING, SO INSIST

**因為相信
所以堅持**

精確製造、品質管理、專業服務，三種信仰的鼎立

The precision makes, the quality manage, professional service, involving three parts of three kinds of faiths.

1

精確製造

全面採用電腦化管理系統，利用網路工作站來管理銷售業務及顧客服務，再配合提供技術諮詢、備用品與配件供應維護來強化客戶服務。

2

品質管理

欣軍最大的責任與期望是滿足客戶的需求，因此我們特別重視品質控管與提升。

■ 榮獲國際認證

西元 1998 年獲得美國貝爾公司評鑑 ISO-9002 品質系統登錄合格 (登錄碼：T98-008)

西元 2001 年獲得 ISO-9001：2000 品質系統登錄合格。

西元 2004 年取得美國 UL 產品認證。

西元 2010 年獲得 ISO-9001：2008 品質系統登錄合格。

西元 2019 年獲得 ISO-9001：2015 品質系統登錄合格。

西元 2022 年取得美國及加拿大 UL 產品認證 (尼龍管及接頭系列)。

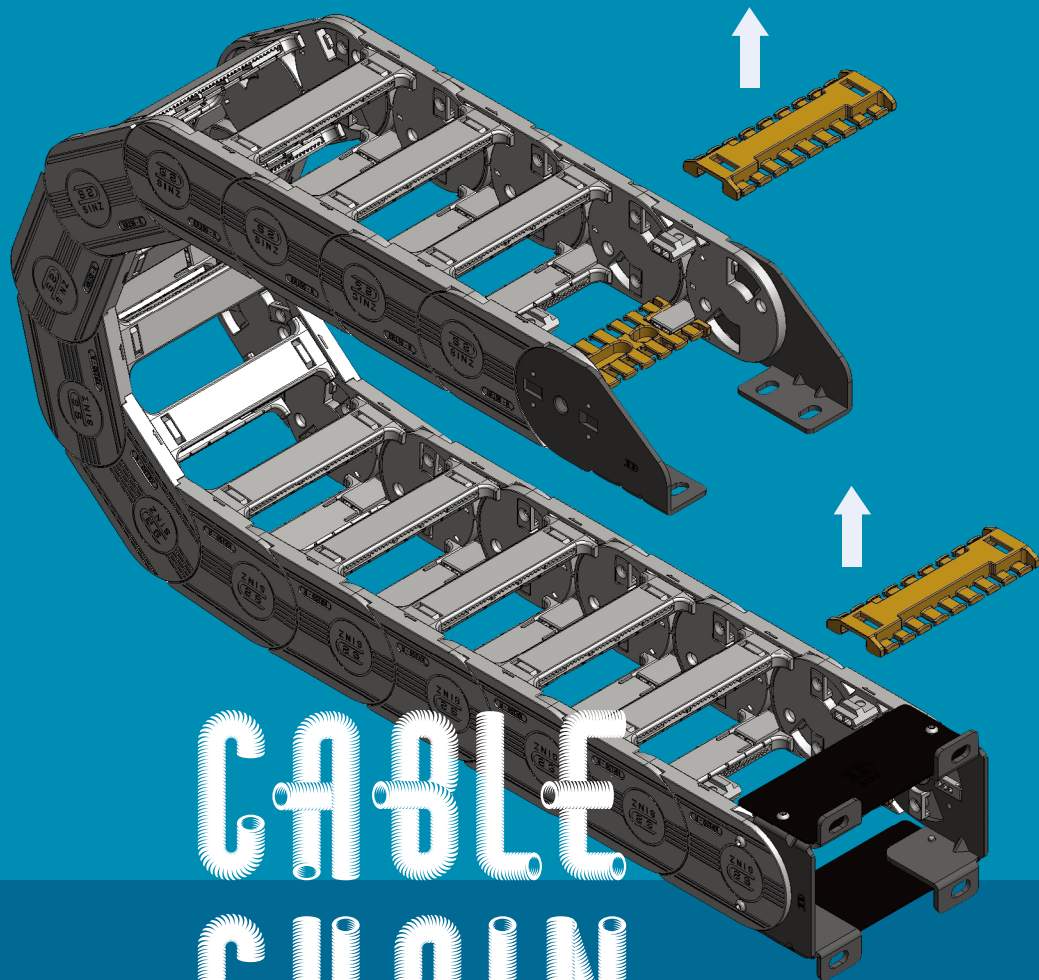


ISO 9001 : 2015

3

專業服務

欣軍擁有國內最大競爭優勢，為提升產品品質，我們樂於投資各種尖端品質管制量具及模製具，不論在原料、半成品、成品到包裝，一律規格化管理。



CABLE CHAIN SERIES

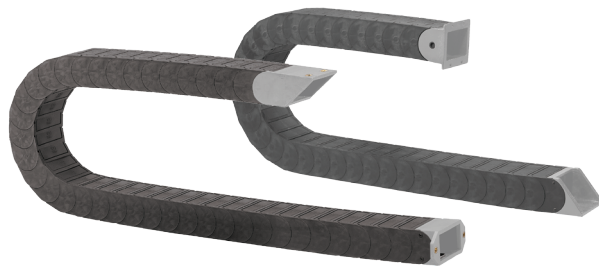
方形鏈條護管系列

CE RoHS



SQ303 封閉式鏈條護管 (護蓋可掀開 | 標準型)

SQ303 CABLE CHAIN (Protection cover can be opened | Standard type)



中華民國專利號碼：第222682號
R.O.C. Patent No. : 222682

TYPE-SQ303

材質：

護管係工程塑鋼射出成型，法蘭係塑鋼射出或鋁合金壓鑄成型。

特長：

- (一) 以「不夾鐵屑」之功能設計，容易擦拭清理。
- (二) 護管游動時平順美觀。
- (三) 剛性強韌不變形。
- (四) 護管之長度可任意增長或減短。
- (五) 保養內部管線時，可隨即掀開護蓋施工。

說明：

- a. 護蓋能開啟。
- b. 適中負載及中行程之游動。
- c. 適用於電腦機床、龍門搪銑床、綜合加工機、自動倉儲、停車塔及產業機械等。

Material:

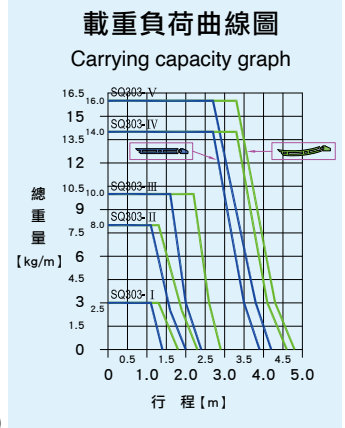
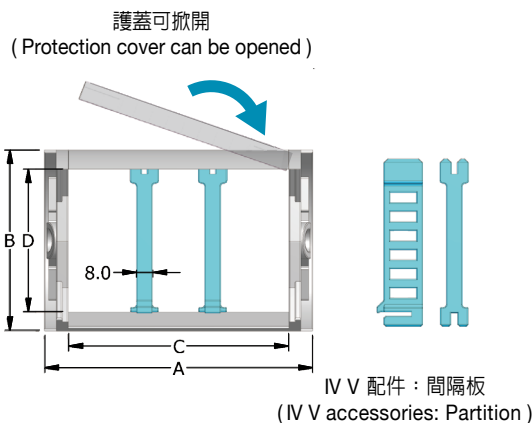
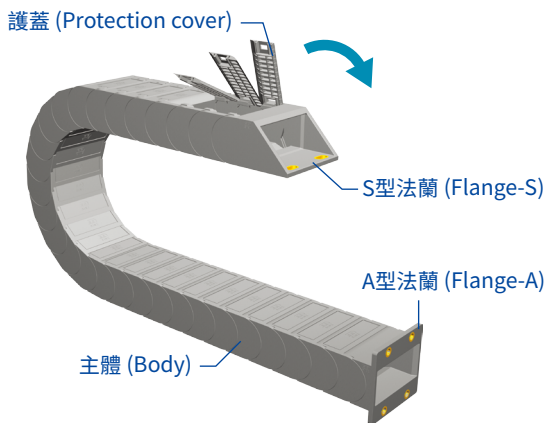
The Cable chain is injected polyester. The flange is made of injected polyester or die-cast aluminum alloy.

Advantages:

- (1) Special design that doesn't trap metal chips for easy cleaning.
- (2) Quiet and smooth motion with elegant flex line.
- (3) Hing rigidity, no deformation.
- (4) Adjustable length.
- (5) Open protection lid for maintenance.

Direction:

- a. Protection cover can be opened.
- b. Moderate load and movement.
- c. Apply to computer machine tools, milling planner, machining center, automatic warehouse, parking tower, industrial machinery etc.

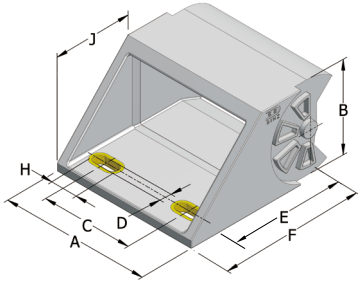


		尺寸表 (採一般公差)				Specification (Approx) mm					
番號		節距				彎曲半徑(實質高度 Hs)					重量
TYPE	A	B	C	D	Pitch	R (Hs)	R (Hs)	R (Hs)	R (Hs)	R (Hs)	Weight
											kg/M
I	55	35	45	25	25.5	60 (180)	100 (260)	150 (360)	200 (460)		0.84
II	92	50	75	39	37.0	100 (275)	150 (375)	200 (475)	250 (575)		1.72
III	115	70	97	54	45.0	100 (295)	150 (395)	200 (495)	225 (545)	300 (695)	2.76
IV	135	95	111	75	60.0	150 (420)	200 (520)	300 (720)	450 (1020)		4.52
V	187	92	163	72	60.0	150 (417)	250 (617)	300 (717)	350 (817)	450 (1017)	5.52

SQ303 法蘭型式及裝置方法

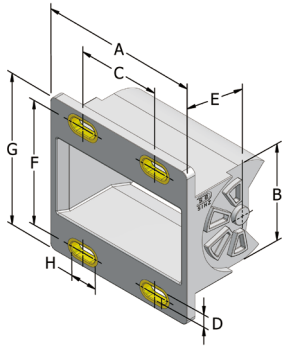
SQ303 FLANGE TYPE & CABLE FLANGE ARRANGEMENTS

S型法蘭 FLANGE-S



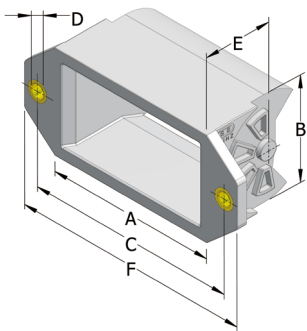
番號 TYPE	尺寸 Dimension (mm)										重量 Weight g/pc		材質 Material
	A	B	C	D	E _(m)	E _(f)	F _(m)	F _(f)	H	J	公端(m)	母端(f)	
I	55	35	23	7	41	41	51	51	14	25	37	32	塑鋼 Polyester
II	92	50	50	7	54	54	69	69	14	40	103	90	
III	115	70	71	9	83	83	103	103	20	60	265	243	鋁合金 Aluminum alloy
IV	137	96	70	9	84	96	97	109	29	86	604	654	
V	188	93	100	9	82	75	125	120	29	85	1026	933	

A型法蘭 FLANGE-A



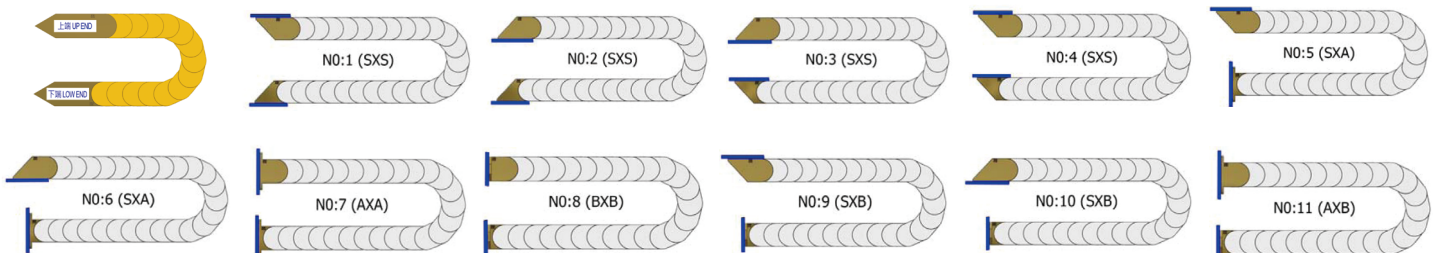
番號 TYPE	尺寸 Dimension (mm)										重量 Weight g/pc		材質 Material
	A	B	C	D	E _(m)	E _(f)	F	G	H	公端(m)	母端(f)		
I	55	35	22	7	26	26	55	71	14	41	36	塑鋼 Polyester	
II	92	50	45	7	35	35	70	88	14	99	86		
III	115	70	61	9	48	48	90	110	20	225	203	鋁合金 Aluminum alloy	
IV	136	96	60	9	54	41	110	130	29	570	519		
V	188	93	95	9	53	43	115	135	29	825	665		

B型法蘭 FLANGE-B



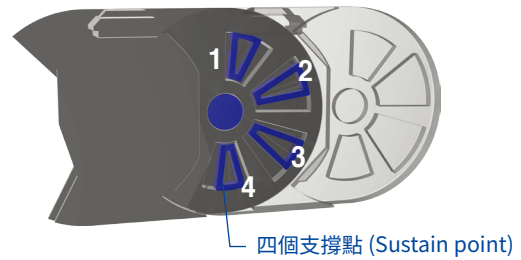
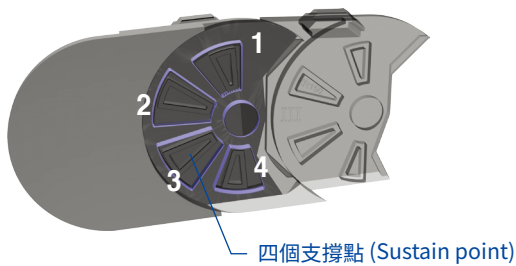
番號 TYPE	尺寸 Dimension (mm)							重量 Weight g/pc		材質 Material
	A	B	C	D	E _{(m)(f)}	F	公端(m)	母端(f)		
I	55	35	75	7	26	91	35	29	塑鋼 Polyester	
II	92	50	105	7	35	124	84	72		
III	115	70	141	9	48	161	202	171		

法蘭裝置方法 (Flange Arrangements)



SQ303 結構功能、護蓋掀開及組合操作方法

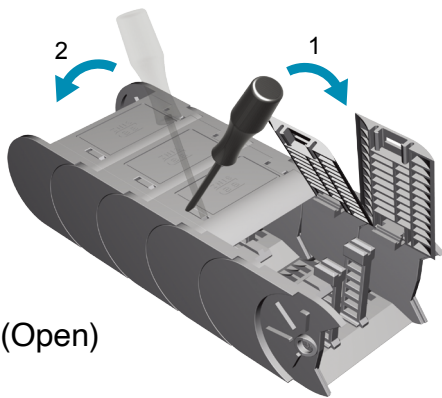
SQ303 STRUCTURAL FUNCTION, SLEEVE LIFT & ASSEMBLY METHOD



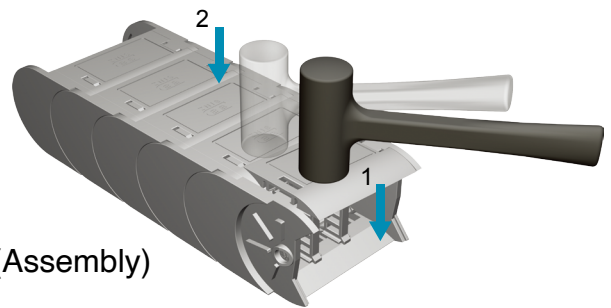
- 結構功能：設計四個受力支撐點，可增加抗拉及抗扭，相對可增加承載負荷。
Structure function : four weighted supporting point is designed to anti tensile and anti torque, and the carrying capacity is relatively bigger.

護蓋掀開及組合操作方法：Protection cover can be opened and installation arrangement.

- 拆解工具為5mm寬一字形起子 (Dismantling with 5mm slotted screwdriver)



掀開 (Open)

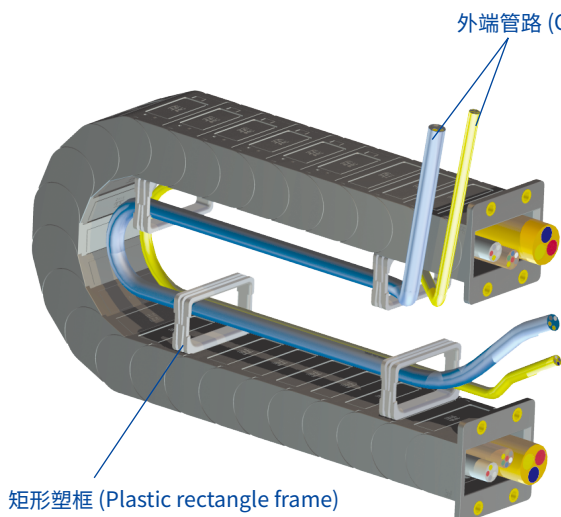


組合 (Assembly)

特殊用法：Special usage

當管路設計無法自法蘭端口出線時，則可沿管部內側加掛矩形塑框并用。
(加掛塑框之使用，只允可質輕管路，不適質重管路)。

While the designed conduits is not able to off track, then polyester rectangle frame will be used in the inner cable chain to resolve it. (Polyester rectangle frame can only be used with light conduits, not heavy conduits.)



使用例 (Application example)

鏈條護管應用概念、長度計算方式

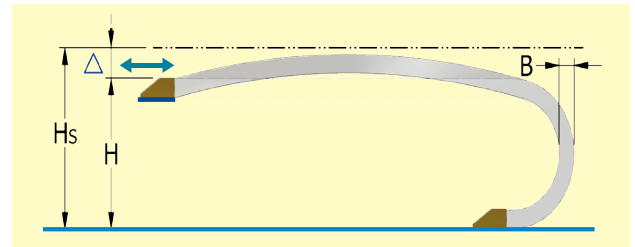
APPLICATION CONCEPT OF CABLE CHAIN, LENGTH CALCULATION

(一) 鏈條護管應用概念：實質高度

鏈條護管係以扣件組立而成，當其在進行游動時，扣件自然會往無平台支撐的一面稍微傾凸，致使護管實質高度(Hs)要比標準高度(H)略高，故在計算彎曲高度時，應以實質高度(Hs)為宜。

(1) APPLICATION CONCEPT OF CABLE CHAIN : REAL HEIGHT

The cable chain is made up of fasteners. And while moving moves, the fasteners will moves to the end which has no supporting point, and the real height (Hs) of protection pipe will be a little bit higher than the standard height (H). So, the bending height should be refers to the real height (Hs).



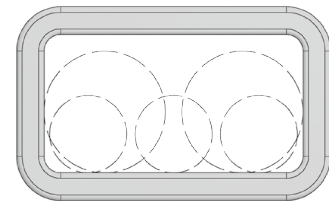
H	: 標準高度 (2R + B)	Standard height
Hs	: 實質高度 (2R + B + Δ)	Real height
B	: 護管厚度	Depth of cable chain
Δ	: 護管傾凸高度	Protection pipe protruding height

(二) 鏈條護管應用概念：管徑(規格)選項


鏈條護管管徑之選用，需以內容管線外徑之總和+20%為宜，其許可限制容積率在75~80%範圍，溢出此規範者屬不正確安裝。

(2) APPLICATION CONCEPT CABLE CHAIN : DIAMETER (SPECIFICATION) OPTION

The diameter of cable chain is based on 20%, and 75%~80% occupation coefficient is perfect, more than this percentage will be not allow.

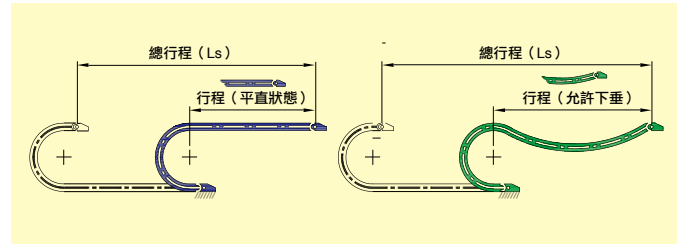


(三) 鏈條護管應用概念：允許下垂

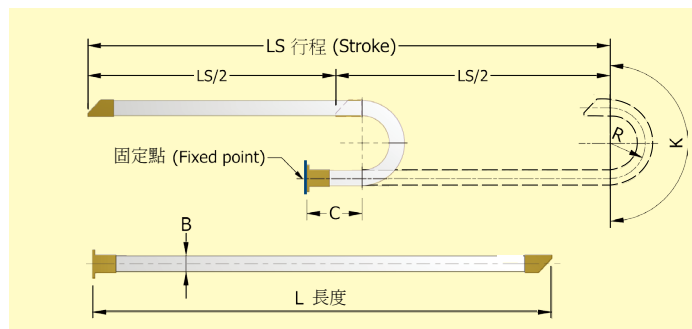
平直狀態 (Straight ): 護管遊走時呈平直狀態。
 允許下垂狀態 (Permitted sag ): 護管遊走時呈允許下垂極限狀態。
 行程: 平直狀態和允許下垂狀態之行程長度請參考載重負荷曲線圖。

(3) APPLICATION CONCEPT CABLE CHAIN : PERMITTED SAG

Straight: Display the straight when a cable chain moves.
 Permitted Sag: Display the permitted sag when a cable chain moves.
 Stroke: For the stroke length of straight and permitted sag, please refer to load curve.



方形鏈條護管長度計算方式 (The cable chain length calculation method):

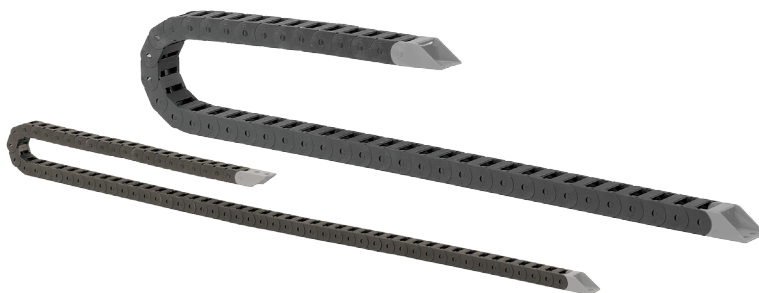


$$L(\text{長度}) = LS/2 + K + C$$

- R : 彎曲半徑 Bending Radius
- C : 呆滯長度 Remained Length
- K : 圓周長度 : πR ($\pi= 3.5$)
Circumference Length: πR ($\pi= 3.5$)

SQ603 輕巧型開放式鏈條護管 (橫桿不可掀開)

SQ603 CABLE CHAIN (Cross shaft cannot be opened)



TYPE-SQ603

材質：

護管與法蘭係工程塑鋼射出成型。

特長：

- (一) 護管游動時平順美觀。
- (二) 耐蝕性佳，不變形。
- (三) 護管之長度可任意增長或減短。

說明：

- a. 輕質框形設計，橫桿不能開啟。
- b. 適低負載及短行程之游動。
- c. 適用於機械手臂、電腦機床、線性滑軌、自動倉儲、停車塔、洗車機及產業機械等。

Material:

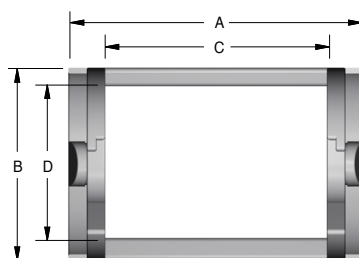
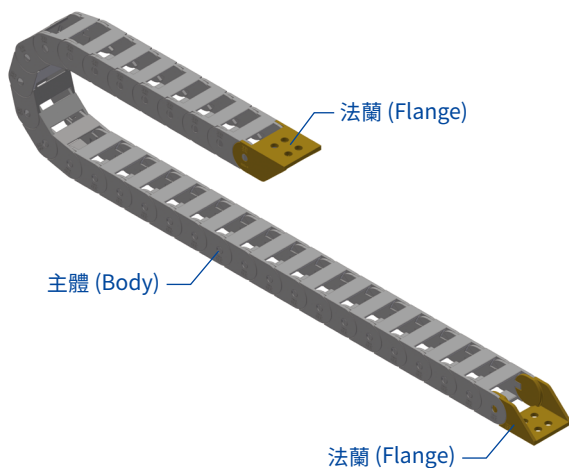
The Cable chain and flange are injected polyester.

Advantages:

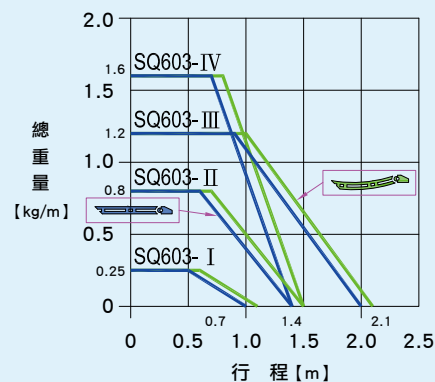
- (1) Quiet and smooth motion with elegant flex line.
- (2) Good corrosion resistance, deformation free.
- (3) Adjustable length.

Direction:

- a. Light frame shaped design, the cross shaft can't be opened.
- b. Apply to low carry capacity and short travel route movement.
- c. Apply to industrial robot arm, computer controlled machine tool, linear guideway, automatic warehouse, parking tower, and carriage cleaner, and industrial machinery.



載重負荷曲線圖
Carrying capacity graph



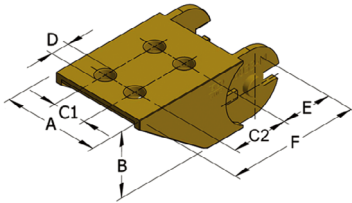
尺寸表 (採一般公差) Specification (Approx) mm

番號	節距				彎曲半徑(實質高度 Hs)			重量	
	A	B	C	D	Bending Radius (Real Height Hs)				
TYPE	A	B	C	D	Pitch	R (Hs)	R (Hs)	R (Hs)	Weight kg/M
I	16	13	10	10	14.0	18 (59)	28 (79)	38 (99)	0.13
II	23	19	15	15	20.0	20 (69)	35 (99)	50 (129)	0.25
III	34	24	25	19	24.0	38 (110)	48 (130)	75 (184)	0.35
IV	40	26	30	20	27.0	25 (86)	50 (136)		0.44

SQ603 法蘭型式及裝置方法

SQ603 FLANGE TYPE & CABLE FLANGE ARRANGEMENTS

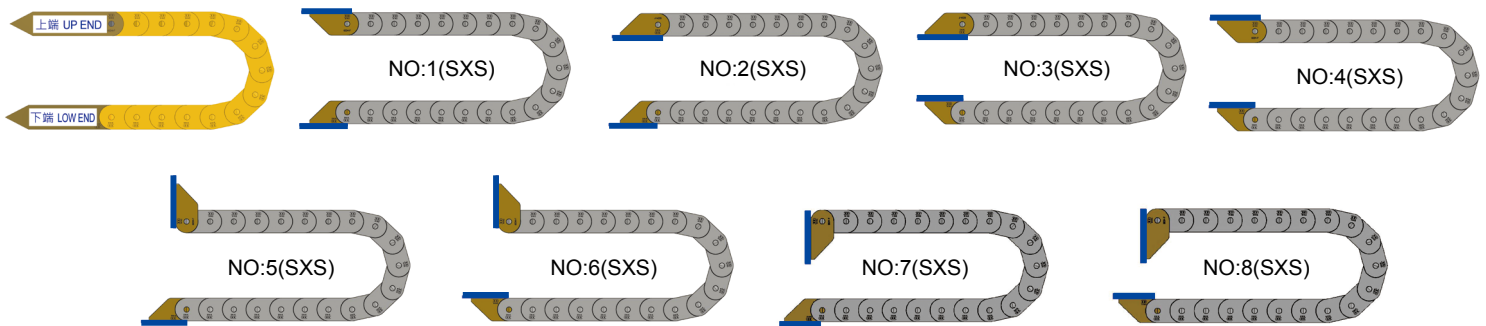
S型法蘭 FLANGE-S



塑鋼法蘭

番號 TYPE	尺寸 Dimension (mm)							重量 Weight g/pc
	A	B	C1	C2	D	E	F	
I	16	13	—	12	5	11.0	29	2.2
II	23	19	—	15	6.4	15.0	38	5.6
III	34	24	12	20	6	18.0	47	10.8
IV	40	26	11	15	6.4	18.0	43	11.8

法蘭裝置方法 (Flange Arrangements)

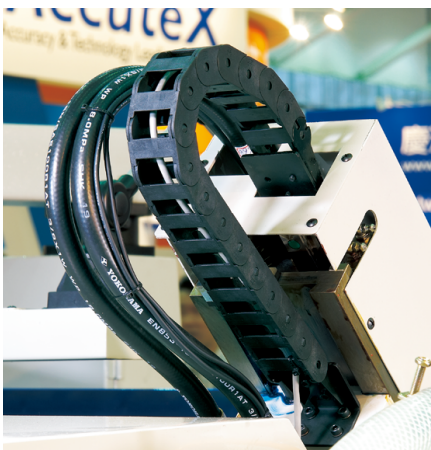


鏈條護管應用概念及長度計算方式，請參閱第011頁

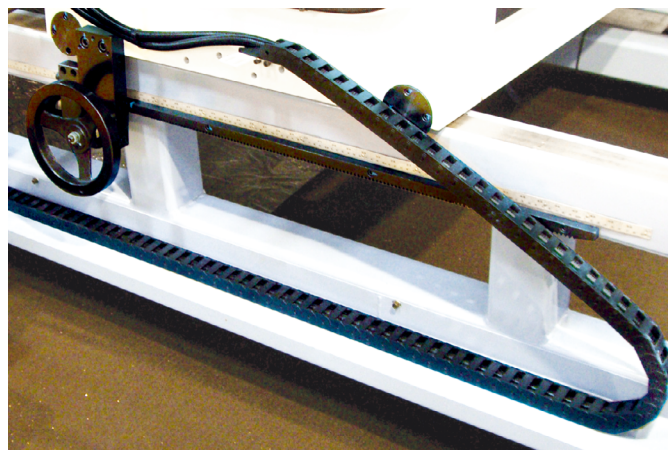
Refer to page 011 for application concept of cable chain, length calculation.

購買鏈條護管時稱呼，請參閱第092頁

When buying cable chains, please refer to page 092.



使用例 (Application example)



使用例 (Application example)

SQ604 輕型開放式鏈條護管 (橫桿可掀開)

SQ604 CABLE CHAIN (Cross shaft can be opened)



中華民國專利號碼：第M254803號
R.O.C. Patent Pending No. : M254803

TYPE-SQ604

材質：

護管與法蘭係工程塑鋼射出成型。

特長：

- (一) 耐蝕性佳，不變形。
- (二) 護管之長度可任意增長或減短。
- (三) 保養內部管線時，可隨即打開橫桿作業。

說明：

- a. 輕質設計，橫桿能開啟。
- b. 適低負載及短行程之游動。
- c. 適用於機械手臂、電腦機床、線性滑軌、自動倉儲、停車塔、洗車機及產業機械等。

Material:

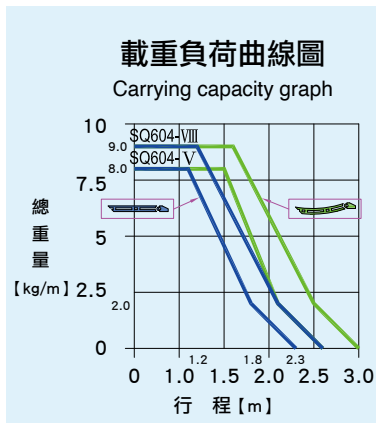
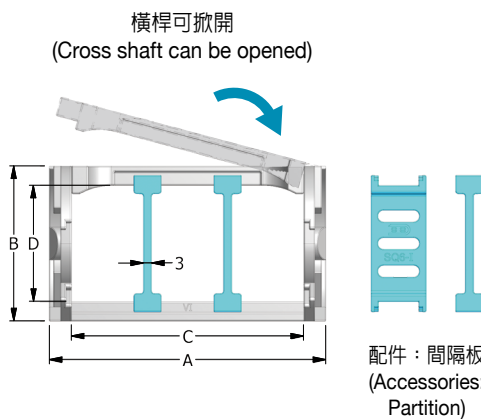
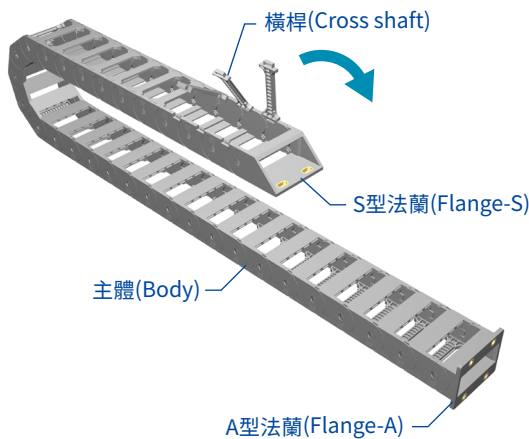
The Cable chain and flange are injected polyester.

Advantages:

- (1) Good corrosion resistance, deformation free.
- (2) Adjustable length.
- (3) Open protection lid for interior cable maintenance.

Direction:

- a. Light frame shaped design, the rail is not able to turn on.
- b. Apply to low carry capacity and short travel route movement.
- c. Apply to industrial robot arm, computer controlled machine tool, linear guideway sleek orbit, automatic warehouse, parking tower, and carriage cleaner, and industrial machinery.

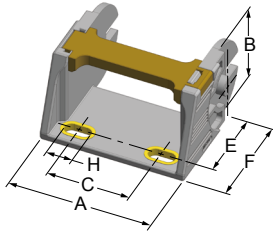


尺寸表 (採一般公差) Specification (Approx) mm										
番號	節距				彎曲半徑 (實質高度 Hs)				重量	
	TYPE	A	B	C	D	Pitch	R (Hs)	R (Hs)		R (Hs)
III	58	44	41	32	47.5	40 (149)	100 (269)	150 (369)	200 (469)	1.05
IV	78	44	61	32	47.5	40 (149)	100 (269)	150 (369)	200 (469)	1.15
V	100	44	83	32	47.5	40 (149)	100 (269)	150 (369)	200 (469)	1.47
VI	102	56	85	42	62.5	100 (281)	150 (381)	200 (481)	250 (581)	1.60
VII	122	56	105	42	62.5	100 (281)	150 (381)	200 (481)	250 (581)	1.76
VIII	142	56	125	42	62.5	100 (281)	150 (381)	200 (481)	250 (581)	1.92

SQ604 法蘭型式和裝置方法

SQ604 FLANGE TYPE & CABLE FLANGE ARRANGEMENTS

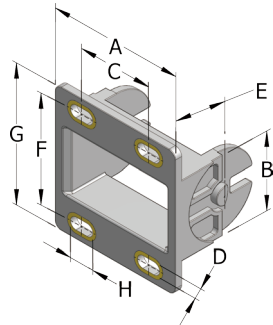
S型法蘭 FLANGE-S



III、IV、V：法蘭橫桿可掀開。
VI、VII、VIII：法蘭沒有橫桿。

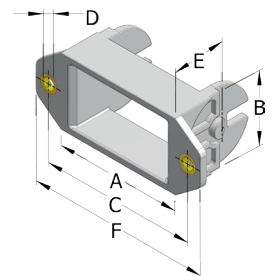
番號 TYPE	尺寸 Dimension (mm)							重量 Weight g/pc
	A	B	C	D	E	F	H	
III	58	44	25.0	7	41.5	51	14	52.0
IV	78	44	45.0	7	41.5	51	14	59.0
V	100	44	65.0	7	41.5	51	14	67.0
VI	101	56	43.0	9	78.5	91	20	173.0
VII	121	56	62.0	9	78.5	91	20	197.0
VIII	141	56	83.0	9	78.5	91	20	217.0

A型法蘭 FLANGE-A



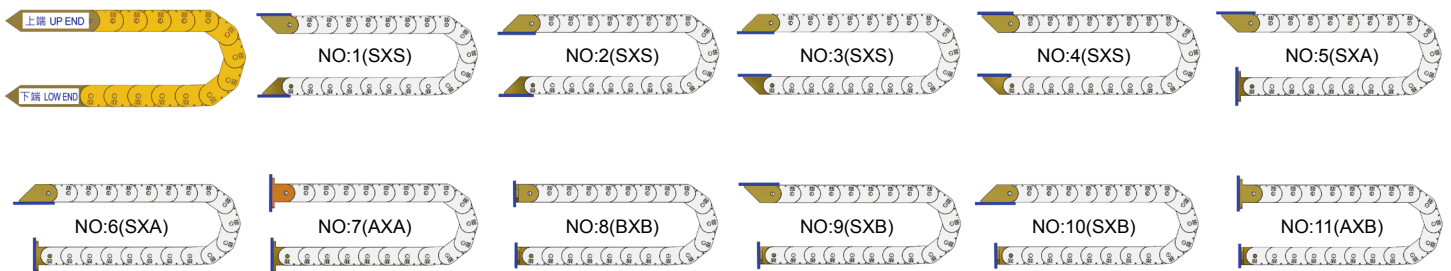
番號 TYPE	尺寸 Dimension (mm)								重量 Weight g/pc
	A	B	C	D	E	F	G	H	
III	58	44	22	7	31	61	78	14	56.0
IV	78	44	42	7	31	61	78	14	57.0
V	100	44	64	7	31	61	78	14	66.0
VI	101	56	43	9	43	75	94	20	154.0
VII	121	56	62	9	43	75	94	20	175.0
VIII	141	56	83	9	43	75	94	20	200.0

B型法蘭 FLANGE-B



番號 TYPE	尺寸 Dimension (mm)						重量 Weight g/pc
	A	B	C	D	E	F	
III	58	44	73	7	31	90	48.0
IV	78	44	93	7	31	110	52.0
V	100	44	115	7	31	132	57.0
VI	101	56	121	9	43	139	130.0
VII	121	56	140	9	43	158	144.0
VIII	141	56	161	9	43	179	157.0

法蘭裝置方法 (Flange Arrangements)



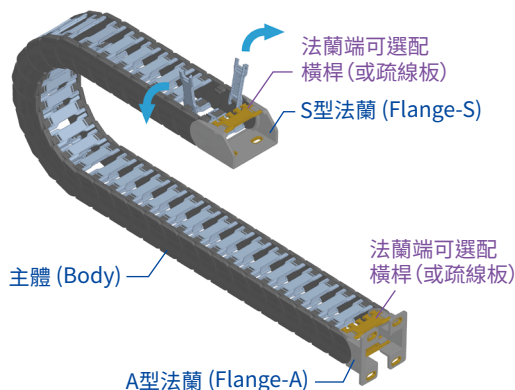
鏈條護管應用概念、長度計算方式，請參閱第011頁
Refer to page 011 for application concept of cable chain, length calculation.

購買鏈條護管時稱呼，請參閱第092頁
When buying cable chains, please refer to page 092.

SQ812 輕型開放式鏈條護管 (橫桿可掀開、拆卸)

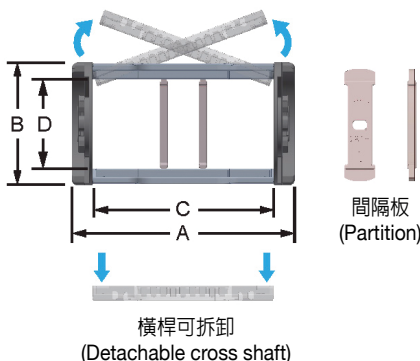
SQ812 CABLE CHAIN (Cross shaft can be opened)

發明專利號碼：I609140



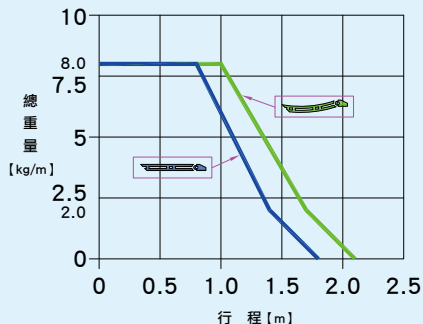
TYPE-SQ812

橫桿可向左或右掀開
(Cross shaft can be opened)



載重負荷曲線圖

Carrying capacity graph



材質：

護管與法蘭係工程塑鋼射出成型。

特長：

- (一) 耐蝕性佳，不變形。
- (二) 護管之長度可任意增長或減短。
- (三) 保養內部管線時，可隨即打開橫桿作業。

說明：

- a. 輕質設計，橫桿能開啟。
- b. 適低負載及短行程之游動。
- c. 適用於機械手臂、電腦機床、線性滑軌、自動倉儲、停車塔、洗車機及產業機械等。

Material:

The Cable chain and flange are injected polyester.

Advantages:

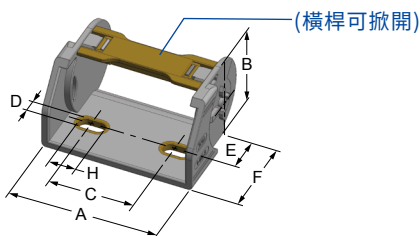
- (1) Good corrosion resistance, deformation free.
- (2) Adjustable length.
- (3) Open protection lid for interior cable maintenance.

Direction:

- a. Light frame shaped design, rail is able to turn on.
- b. Apply to low carry capacity and short travel route movement.
- c. Apply to industrial robot arm, computer controlled machine tool, linear guideway sleek orbit, automatic warehouse, parking tower, and carriage cleaner, and industrial machinery.

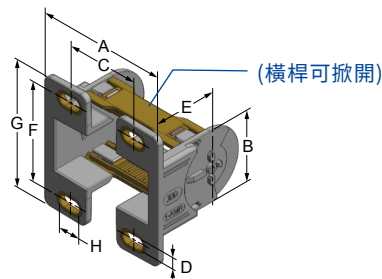
尺寸表 (採一般公差) Specification (Approx) mm

番號 TYPE	節距				彎曲半徑(實質高度 Hs) Bending Radius (Real Height Hs)					重量 Weight kg/M	
	A	B	C	D	Pitch	R (Hs)	R (Hs)	R (Hs)	R (Hs)		R (Hs)
I	60	44	45	32	30	35 (134)	70 (204)	100 (264)	150 (364)	200 (464)	1.18
II	80	44	65	32	30	35 (134)	70 (204)	100 (264)	150 (364)	200 (464)	1.27
III	100	44	85	32	30	35 (134)	70 (204)	100 (264)	150 (364)	200 (464)	1.35
IV	120	44	105	32	30	35 (134)	70 (204)	100 (264)	150 (364)	200 (464)	1.48



S型法蘭 FLANGE-S

番號 TYPE	尺寸 Dimension(mm)										重量 Weight g/pc		
	A	B	C	D	E(m)	E(f)	F(m)	F(f)	H	(m)	(f)	(m)	(f)
I	60	44	25	7	22	35	42	55	14	40.6	54.0		
II	80	44	45	7	22	35	42	55	14	47.0	61.2		
III	100	44	65	7	22	35	42	55	14	53.6	68.6		
IV	120	44	85	7	22	35	42	55	14	58.0	72.4		

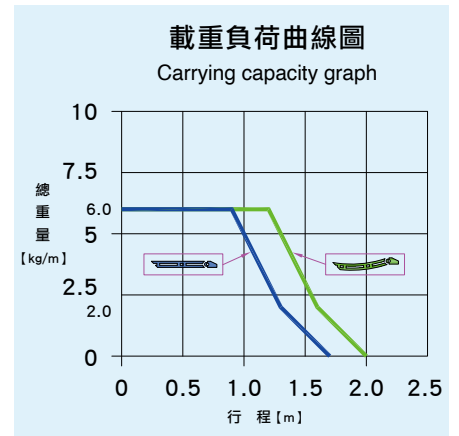
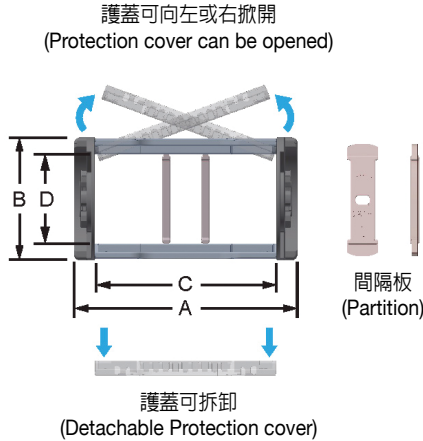
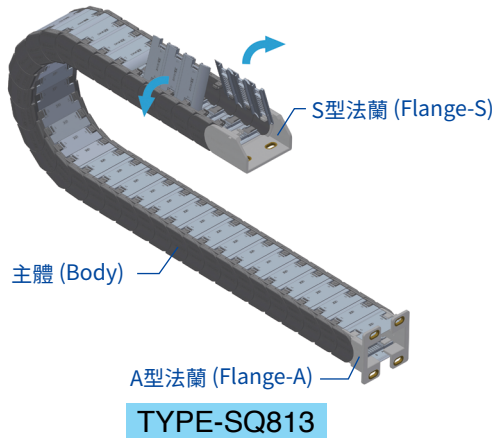


A型法蘭 FLANGE-A

番號 TYPE	尺寸 Dimension(mm)										重量 Weight g/pc		
	A	B	C	D	E(m)	E(f)	F	G	H	(m)	(f)	(m)	(f)
I	60	44	25	7	41	60	62	78	14	58.6	80.5		
II	80	44	44	7	41	60	62	78	14	62.8	84.7		
III	100	44	65	7	41	60	62	78	14	66.4	88.3		
IV	120	44	85	7	41	60	62	78	14	70.4	92.3		

SQ813 輕型封閉式鏈條護管 (護蓋可掀開、拆卸)

SQ813 CABLE CHAIN (Protection cover can be opened) 發明專利號碼：I609140



材質：

護管與法蘭係工程塑鋼射出成型。

特長：

- (一) 耐蝕性佳，不變形。
- (二) 護管之長度可任意增長或減短。
- (三) 保養內部管線時，可隨即打開護蓋作業。
- (四) 以「不夾鐵屑」之功能設計，容易擦拭清理。

說明：

- a. 輕質設計，護蓋能開啟。
- b. 適低負載及短行程之游動。
- c. 適用於機械手臂、電腦機床、線性滑軌、自動倉儲、停車塔、洗車機及產業機械等。

Material:

The Cable chain and flange are injected polyester.

Advantages:

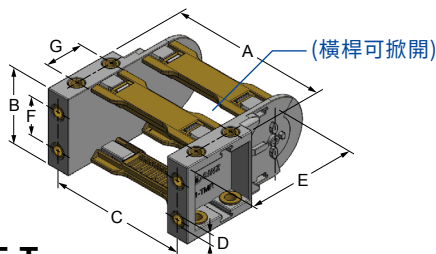
- (1) Good corrosion resistance, deformation free.
- (2) Adjustable length.
- (3) Open protection lid for maintenance.
- (4) Special design that doesn't trap metal chips for easy cleaning.

Direction:

- a. Light frame shaped design, Protection cover is unsealed.
- b. Apply to low carry capacity and short travel route movement.
- c. Apply to industrial robot arm, computer controlled machine tool, linear guideway sleek orbit, automatic warehouse, parking tower, and carriage cleaner, and industrial machinery.

尺寸表 (採一般公差) Specification (Approx) mm

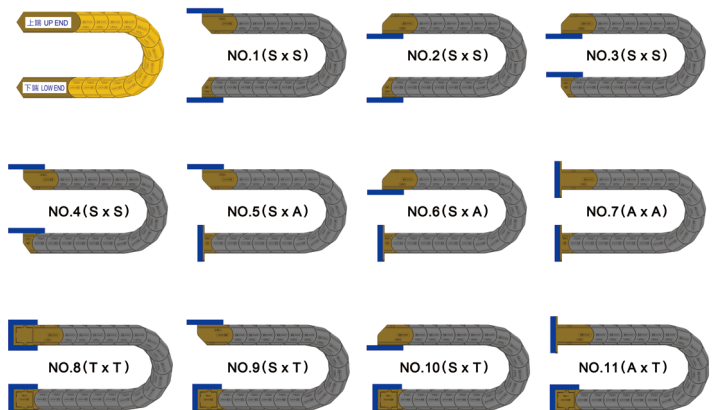
番號 TYPE	節距				彎曲半徑(實質高度 Hs) Bending Radius (Real Height Hs)				重量 Weight kg/M	
	A	B	C	D	Pitch	R (Hs)	R (Hs)	R (Hs)		R (Hs)
I	60	44	45	32	30	70 (204)	100 (264)	150 (364)	200 (464)	1.25
II	80	44	65	32	30	70 (204)	100 (264)	150 (364)	200 (464)	1.39
III	100	44	85	32	30	70 (204)	100 (264)	150 (364)	200 (464)	1.53
IV	120	44	105	32	30	70 (204)	100 (264)	150 (364)	200 (464)	1.67



T型法蘭 FLANGE-T

番號 TYPE	尺寸 Dimension(mm)								重量 Weight g/pc	
	A	B	C	D	E(m)	E(f)	F	G	(m)	(f)
I	72	44	59.5	5.7	66.4	85.5	22	22.5	79.8	104.2
II	92	44	79.5	5.7	66.4	85.5	22	22.5	90.2	115.4
III	112	44	99.5	5.7	66.4	85.5	22	22.5	100.2	125.8
IV	132	44	119.5	5.7	66.4	85.5	22	22.5	109.4	136.2

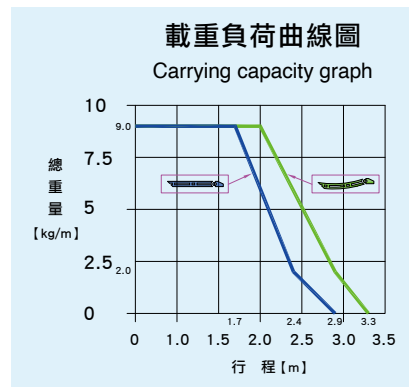
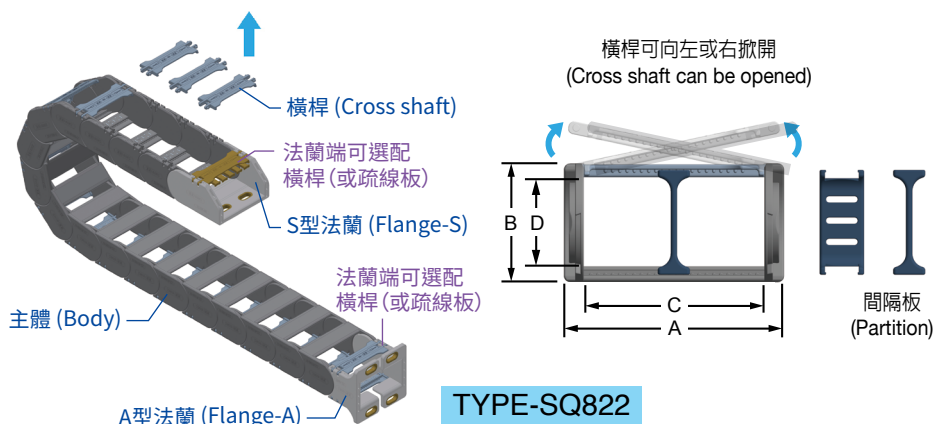
法蘭裝置方法 (Flange Arrangements)



SQ822 輕型開放式鏈條護管 (橫桿可掀開、拆卸)

SQ822 CABLE CHAIN (Cross shaft can be opened)

發明專利號碼：I702764



TYPE-SQ822

材質：

護管與法蘭係工程塑鋼射出成型。

特長：

- (一) 耐蝕性佳，不變形。
- (二) 護管之長度可任意增長或減短。
- (三) 保養內部管線時，可隨即打開橫桿作業。

說明：

- a. 輕質設計，橫桿能開啟。
- b. 適低負載及短行程之游動。
- c. 適用於機械手臂、電腦機床、線性滑軌、自動倉儲、停車塔、洗車機及產業機械等。

Material:

The Cable chain and flange are injected polyester.

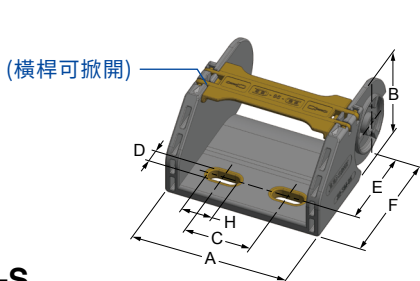
Advantages:

- (1) Good corrosion resistance, deformation free.
- (2) Adjustable length.
- (3) Open protection lid for interior cable maintenance.

Direction:

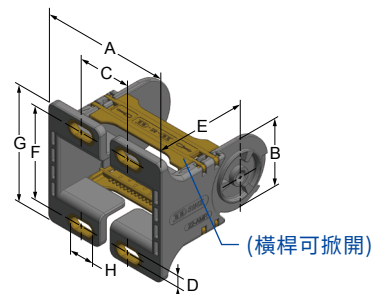
- a. Light frame shaped design, Protection cover is unsealed.
- b. Apply to low carry capacity and short travel route movement.
- c. Apply to industrial robot arm, computer controlled machine tool, linear guideway sleek orbit, automatic warehouse, parking tower, and carriage cleaner, and industrial machinery.

番號	尺寸表 (採一般公差)						Specification (Approx) mm					重量 kg/M
	節距				彎曲半徑(實質高度 Hs)		Bending Radius (Real Height Hs)					
TYPE	A	B	C	D	Pitch	R (Hs)	R (Hs)	R (Hs)	R (Hs)	R (Hs)	R (Hs)	
I	104	56	85	42	60	70 (221)	100 (281)	150 (381)	200 (481)	250 (581)	1.82	
II	124	56	105	42	60	70 (221)	100 (281)	150 (381)	200 (481)	250 (581)	1.95	
III	144	56	125	42	60	70 (221)	100 (281)	150 (381)	200 (481)	250 (581)	2.09	
IV	169	56	150	42	60	70 (221)	100 (281)	150 (381)	200 (481)	250 (581)	2.27	



S型法蘭 FLANGE-S

番號	尺寸 Dimension(mm)							重量	
	TYPE	A	B	C	D	E	F	H	(m)
I	104	56	43	8.5	60	80	20	152.8	157.1
II	124	56	62	8.5	60	80	20	170.5	175.5
III	144	56	83	8.5	60	80	20	189.1	194.6
IV	169	56	108	8.5	60	80	20	214.2	220.5



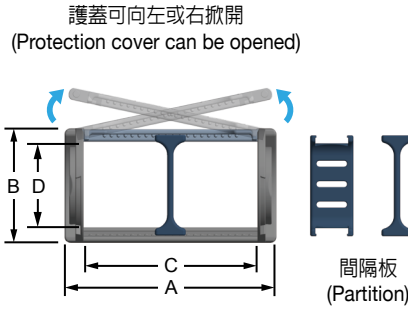
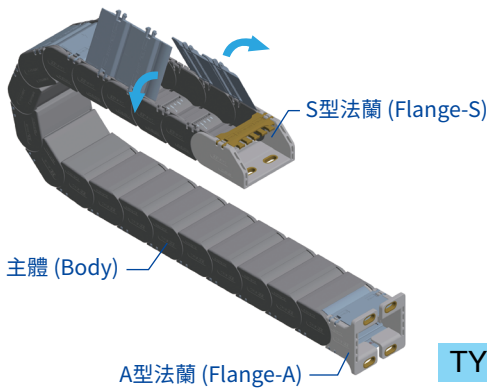
A型法蘭 FLANGE-A

番號	尺寸 Dimension(mm)								重量	
	TYPE	A	B	C	D	E	F	G	H	(m)
I	104	56	43	9	75.5	75	94	20	167.4	166.7
II	124	56	63	9	75.5	75	94	20	173.4	172.7
III	144	56	83	9	75.5	75	94	20	180.5	179.8
IV	169	56	108	9	75.5	75	94	20	191.5	190.8

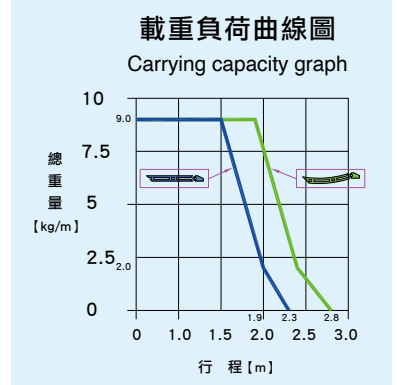
SQ823 輕型封閉式鏈條護管 (護蓋可掀開、拆卸)

SQ823 CABLE CHAIN (Protection cover can be opened)

發明專利號碼：I702764



TYPE-SQ823



材質：

護管與法蘭係工程塑鋼射出成型。

特長：

- (一) 耐蝕性佳，不變形。
- (二) 護管之長度可任意增長或減短。
- (三) 保養內部管線時，可隨即打開護蓋作業。
- (四) 以「不夾鐵屑」之功能設計，容易擦拭清理。

說明：

- a. 輕質設計，護蓋能開啟。
- b. 適低負載及短行程之游動。
- c. 適用於機械手臂、電腦機床、線性滑軌、自動倉儲、停車塔、洗車機及產業機械等。

Material:

The Cable chain and flange are injected polyester.

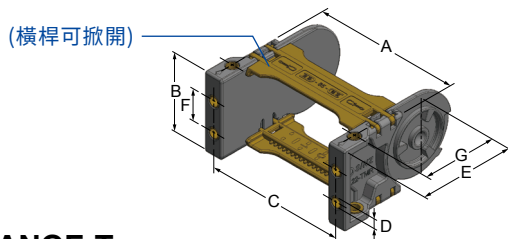
Advantages:

- (1) Good corrosion resistance, deformation free.
- (2) Adjustable length.
- (3) Open protection lid for maintenance.
- (4) Special design that doesn't trap metal chips for easy cleaning.

Direction:

- a. Light frame shaped design, Protection cover is unsealed.
- b. Apply to low carry capacity and short travel route movement.
- c. Apply to industrial robot arm, computer controlled machine tool, linear guideway sleek orbit, automatic warehouse, parking tower, and carriage cleaner, and industrial machinery.

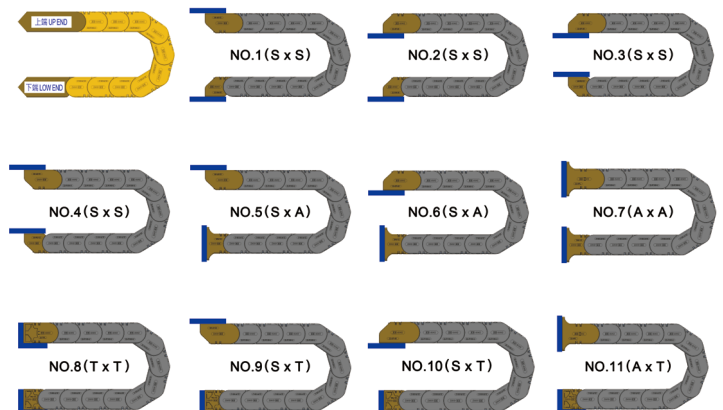
番號	尺寸表 (採一般公差)				Specification (Approx) mm				重量 Weight kg/M	
	A	B	C	D	Pitch	彎曲半徑(實質高度 Hs) Bending Radius (Real Height Hs)				
TYPE	A	B	C	D	Pitch	R (Hs)	R (Hs)	R (Hs)	R (Hs)	
I	104	56	85	42	60	100 (281)	150 (381)	200 (481)	250 (581)	2.31
II	124	56	105	42	60	100 (281)	150 (381)	200 (481)	250 (581)	2.55
III	144	56	125	42	60	100 (281)	150 (381)	200 (481)	250 (581)	2.80
IV	169	56	150	42	60	100 (281)	150 (381)	200 (481)	250 (581)	3.11



T型法蘭 FLANGE-T

番號	尺寸 Dimension(mm)							重量 Weight g/pc (f)	
	A	B	C	D	E	F	G	(m)	(f)
I	112	56	98.5	6.5	67.5	22	52.5	112.7	113.2
II	132	56	118	6.5	67.5	22	52.5	122.2	122.7
III	152	56	138	6.5	67.5	22	52.5	133.2	133.7
IV	177	56	163.5	6.5	67.5	22	52.5	150.8	151.3

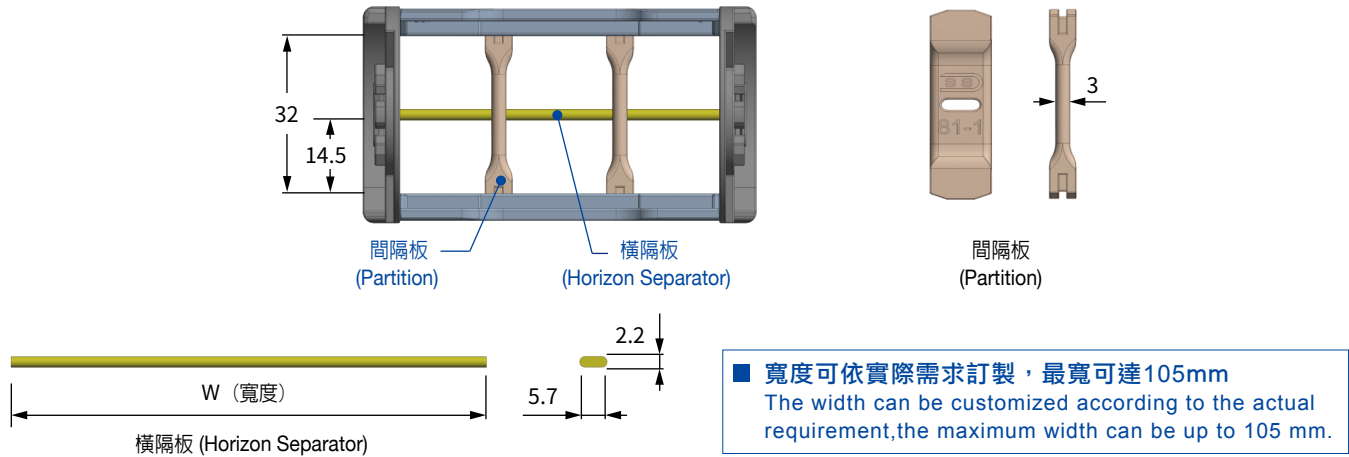
法蘭裝置方法 (Flange Arrangements)



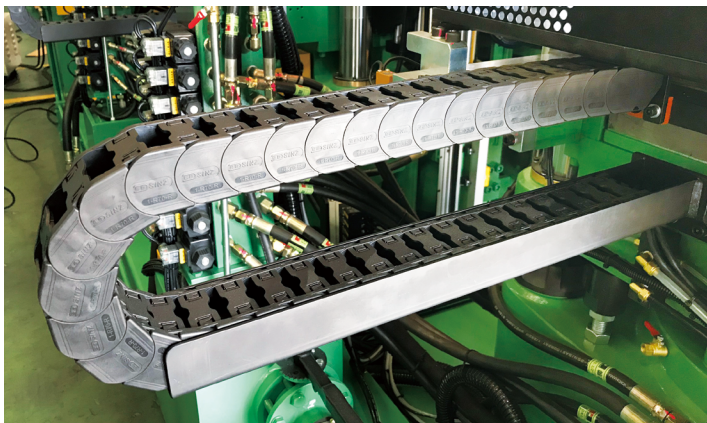
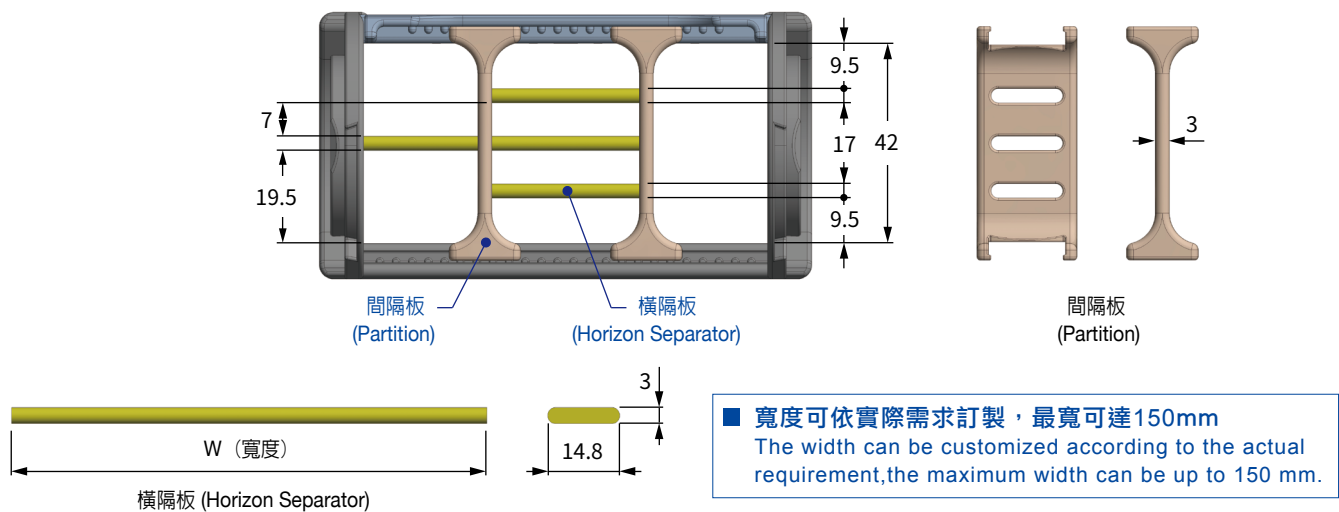
SQ812、SQ813、SQ822、SQ823 系列間隔板及橫隔板配置

SQ812、SQ813、SQ822、SQ823 SERIES PARTITION AND HORIZON SEPARATOR

SQ812、SQ813



SQ822、SQ823



SQ812 開放型使用例 (Application example)



SQ823 封閉型使用例 (Application example)

SQ602 輕巧型封閉式鏈條護管 (護蓋不可掀開)

SQ602 CABLE CHAIN (Protection cover cannot be opened)



中華民國專利號碼：第M436270號
R.O.C.Patent No. : M436270

TYPE-SQ602

材質：

護管與法蘭係工程塑鋼射出成型。

特長：

- (一) 耐蝕性佳，不變形。
- (二) 護管之長度可任意增長或減短。

說明：

- a. 輕質框形設計，護蓋不能開啟。
- b. 適低負載及短行程之游動。
- c. 適用於機械手臂、電腦機床、線性滑軌、自動倉儲、停車塔、洗車機及產業機械等。

Material:

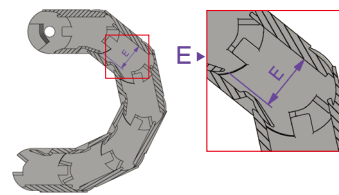
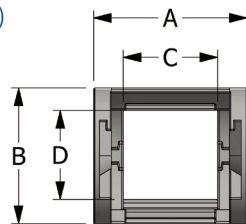
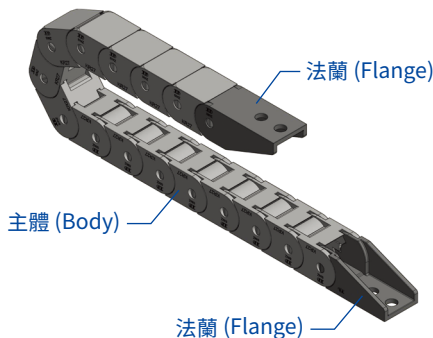
The Cable chain and flange are injected polyester.

Advantages:

- (1) Good corrosion resistance, deformation free.
- (2) Adjustable length.

Direction:

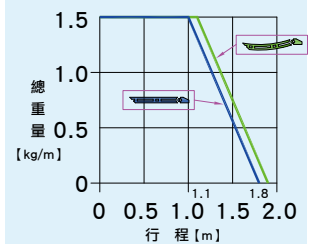
- a. Light frame shaped design, the cross shaft can't be opened.
- b. Apply to low carry capacity and short travel route movement.
- c. Apply to industrial robot arm, computer controlled machine tool, linear guideway, automatic warehouse, parking tower, and carriage cleaner, and industrial machinery.



彎曲時，D尺寸會縮小至E尺寸。

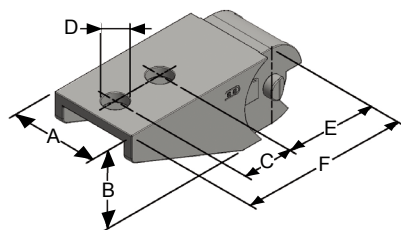
載重負荷曲線圖

Carrying capacity graph



尺寸表 (採一般公差) Specification (Approx) mm

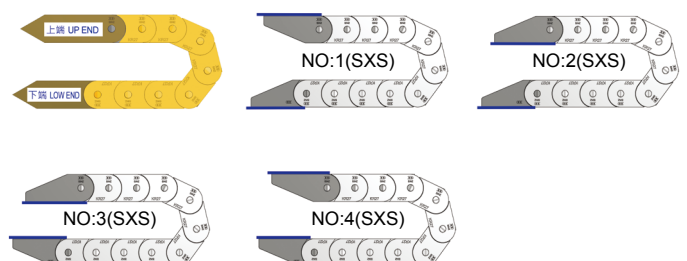
番號	尺寸				節距	彎曲半徑(實質高度 Hs) Bending Radius(Real Height Hs)		重量
TYPE	A	B	C	D	Pitch	R (Hs)	R (Hs)	Weight kg/M
I	26.0	23.0	16.0	15.1	25.0	27 (100) ; E=12.5	37 (120) ; E=14.5	0.4



S型法蘭 FLANGE-S

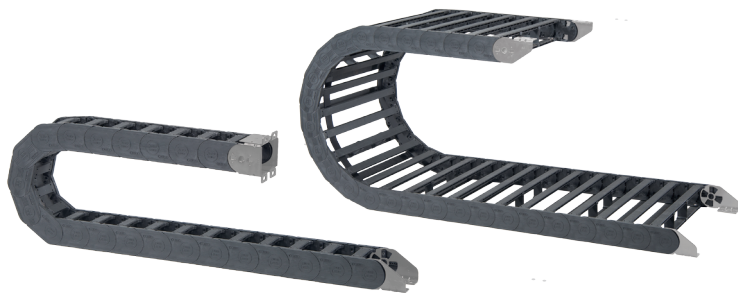
番號	尺寸 Dimension (mm)						重量
TYPE	A	B	C	D	E	F	Weight g/pc
I	26.0	23.0	15.0	7.0	27.5	50.0	9.8

法蘭裝置方法 (Flange Arrangements)



SQ402 重型開放式鏈條護管 (橫桿可拆卸)

SQ402 BAND CABLE CHAIN (Detachable cross shaft)



中華民國專利號碼：第I464334號
R.O.C.Patent No. : I464334

TYPE-SQ402

材質：

護管係工程塑鋼射出成型，法蘭係鋼板沖壓成型。

特長：

- (一) 耐蝕性佳，不變形。
- (二) 可承載重壓。
- (三) 護管之長度可任意增長或減短。
- (四) 保養內部管線時，可隨即打開橫桿作業。

說明：

- a. 承受重壓不變形，橫桿能開啟。
- b. 適重負載及中長行程之游動。
- c. 適用於電腦機床、龍門搪銑床、綜合加工機、機場空橋、水庫閘門、自動倉儲及產業機械等。

Material:

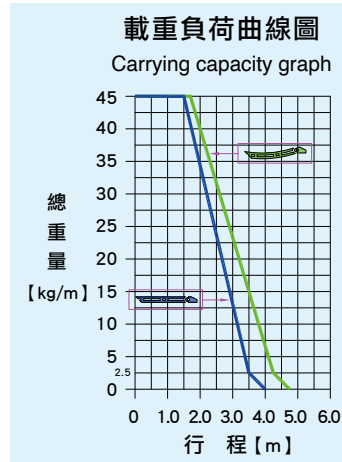
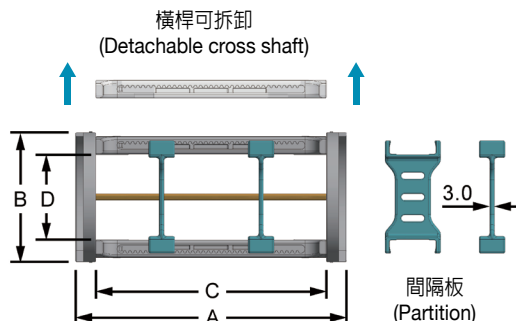
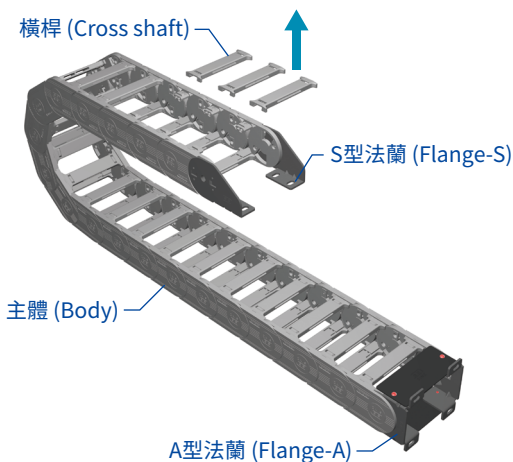
The Cable chain is injected polyester. The flange is stamped steel sheet.

Advantages:

- (1) Good corrosion resistance, deformation free.
- (2) Heavy duty.
- (3) Adjustable length.
- (4) Open protection lid for interior cable maintenance.

Direction:

- a. Not easy to twist under pressure, rail is able to turn on.
- b. Apply to heavy carrying capacity and middle-long movement.
- c. Apply to computer controlled machine tool, milling planner, machining center, airspace flyover, reservoir strobe, automatic warehouse, and industrial machinery.



番號		尺寸表 (採一般公差) Specification (Approx) mm							重量
TYPE	A	B	C	D	節距	彎曲半徑(實質高度 Hs) Bending Radius(Real Height Hs)			kg/M
					Pitch	R (Hs)	R (Hs)	R (Hs)	
I	127	84	100	56	92	150 (414)	225 (564)	300 (714)	2.97
II	177	84	150	56	92	150 (414)	225 (564)	300 (714)	3.41
III	227	84	200	56	92	150 (414)	225 (564)	300 (714)	3.74
IV	277	84	250	56	92	150 (414)	225 (564)	300 (714)	4.07
V	327	84	300	56	92	150 (414)	225 (564)	300 (714)	4.40
VI	377	84	350	56	92	150 (414)	225 (564)	300 (714)	4.73
VII	427	84	400	56	92	150 (414)	225 (564)	300 (714)	4.95
VIII	527	84	500	56	92	150 (414)	225 (564)	300 (714)	5.72

SQ403 重型封閉式鏈條護管 (護蓋可掀開)

SQ403 BAND CABLE CHAIN (Protection cover can be opened)



中華民國專利號碼：第I464334號
R.O.C.Patent No. : I464334

TYPE-SQ403

材質：

護管係工程塑鋼射出成型，法蘭係鋼板沖壓成型。

特長：

- (一) 耐蝕性佳，不變形。
- (二) 可承載重壓。
- (三) 護管之長度可任意增長或減短。
- (四) 保養內部管線時，可隨即打開護蓋作業。
- (五) 以「不夾鐵屑」之功能設計，容易擦拭清理。

說明：

- a. 護蓋能開啟。
- b. 適重負載及中長行程之游動。
- c. 適用於電腦機床、龍門搪銑床、綜合加工機、機場空橋、水庫閘門、自動倉儲及產業機械等。

Material:

The Cable chain is injected with polyester, The flange is made of stamped steel plate.

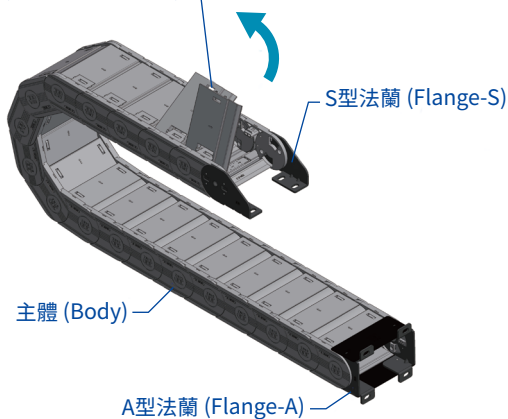
Advantages:

- (1) Good corrosion resistance, deformation free.
- (2) Heavy duty .
- (3) Adjustable length.
- (4) Open protection lid for maintenance.
- (5) Special design that doesn't trap metal chips for easy cleaning.

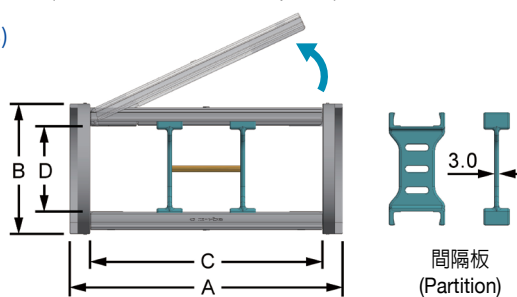
Direction:

- a. Protection cover is unsealed.
- b. Apply to heavy carrying capacity and middle-long movement.
- c. Apply to computer controlled machine tool, milling planner, machining center, airspace flyover, reservoir strobe, automatic warehouse, and industrial machinery.

護蓋 (Protection cover)

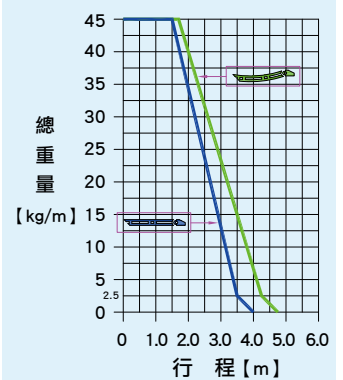


護蓋可掀開
(Protection cover can be opened)



載重負荷曲線圖

Carrying capacity graph

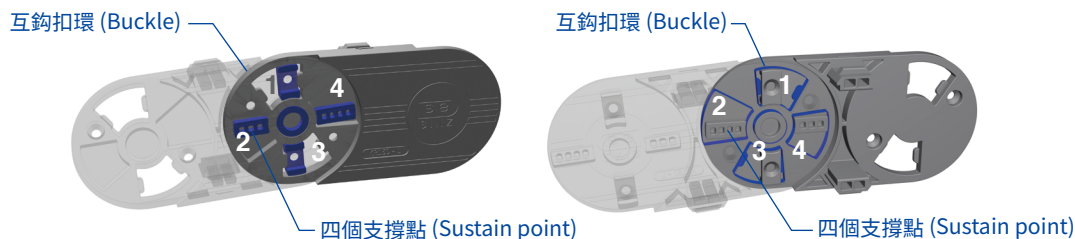


尺寸表 (採一般公差) Specification (Approx) mm

番號 TYPE	尺寸 (mm)				節距 Pitch	彎曲半徑(實質高度 Hs) Bending Radius(Real Height Hs)			重量 kg/M
	A	B	C	D		R (Hs)	R (Hs)	R (Hs)	
I	127	84	100	56	92	150 (414)	225 (564)	300 (714)	3.85
II	177	84	150	56	92	150 (414)	225 (564)	300 (714)	4.40
III	227	84	200	56	92	150 (414)	225 (564)	300 (714)	5.06
IV	277	84	250	56	92	150 (414)	225 (564)	300 (714)	5.83

SQ402、SQ403 結構功能、法蘭型式及裝置方法

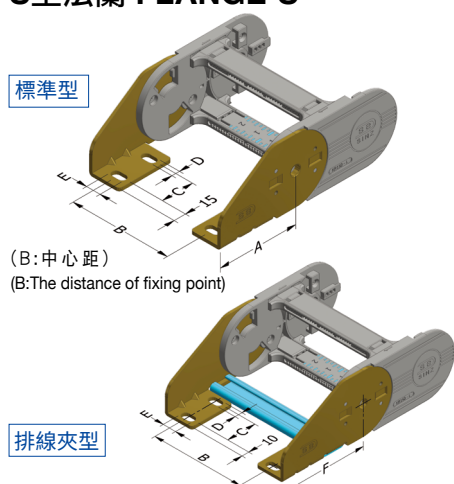
SQ402、SQ403 STRUCTURE FUNCTION, FLANGE TYPE & CABLE FLANGE ARRANGEMENTS



- 結構功能：設計四個受力支撐點及兩個互鈎扣環，可增加抗拉及抗扭，相對可倍增承載負荷。
Structure function : Four pressure supporting point and two bent coupling lock design, to increase anti pressure and anti torque and also increase carrying capacity exponentially.

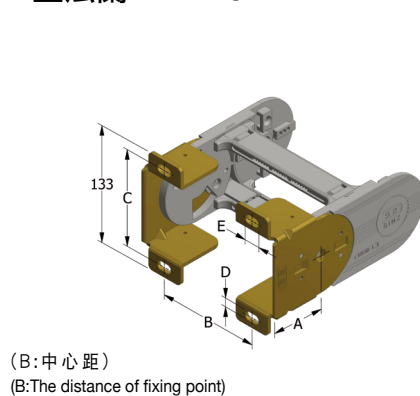
S型法蘭 FLANGE-S

S型法蘭有兩款：(1) 標準型 (2) 排線夾型 (排線夾型規範請參閱第36、37頁)



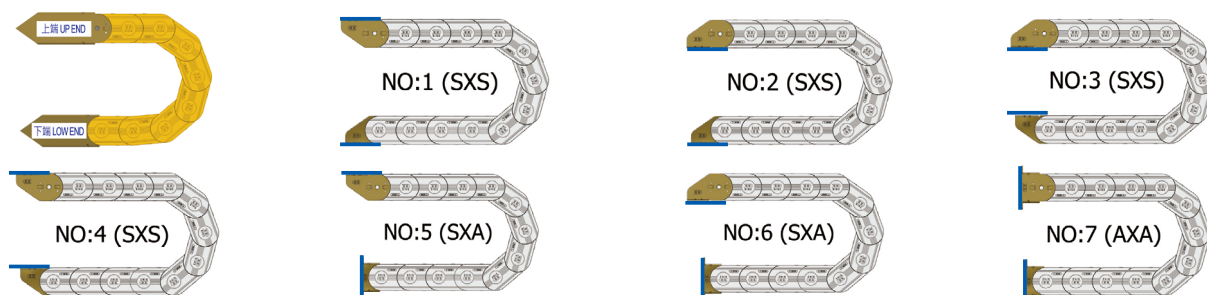
番號 TYPE	尺寸 Dimension(mm)							重量 Weight g/pc			
	A	B	C	D	E	F(m)	F(f)	公端(m)		母端(f)	
								標準	排線	標準	排線
I	100	75	40	10	18	104	118	268	266	352	373
II	100	125	40	10	18	104	118	268	266	352	373
III	100	175	40	10	18	104	118	268	266	352	373
IV	100	225	40	10	18	104	118	268	266	352	373
V	100	275	40	10	18	104	118	268	266	352	373
VI	100	325	40	10	18	104	118	268	266	352	373
VII	100	375	40	10	18	104	118	268	266	352	373
VIII	100	475	40	10	18	104	118	268	266	352	373

A型法蘭 FLANGE-A



番號 TYPE	尺寸 Dimension(mm)					重量 Weight g/pc	
	A	B	C	D	E	公端(m)	母端(f)
I	61	65	110	10	18	346	438
II	61	115	110	10	18	346	438
III	61	165	110	10	18	346	438
IV	61	215	110	10	18	346	438
V	61	265	110	10	18	346	438
VI	61	315	110	10	18	346	438
VII	61	365	110	10	18	346	438
VIII	61	465	110	10	18	346	438

法蘭裝置方法 (Flange Arrangements)

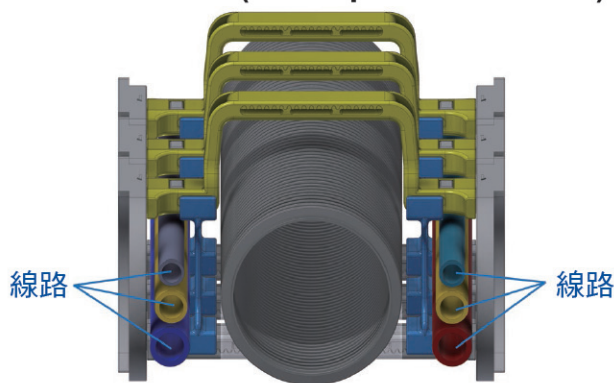
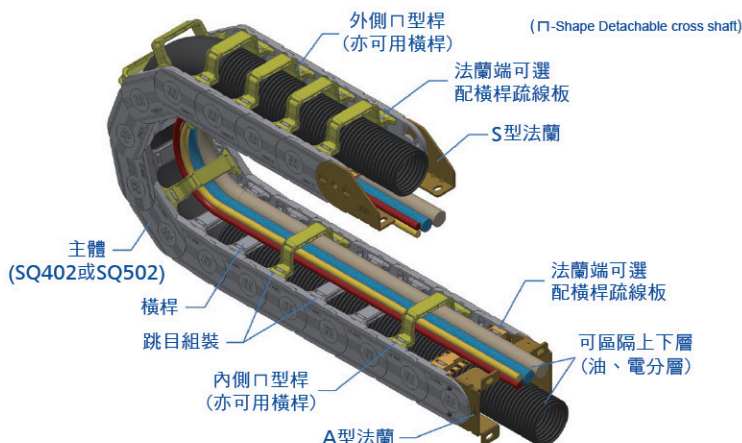


鏈條護管應用概念及長度計算方式，請參閱第011頁 Refer to page 011 for application concept of cable chain, length calculation.

購買鏈條護管時稱呼，請參閱第092頁 When buying cable chains, please refer to page 092.

□型桿開放式鏈條護管使用場所和型號 (□型桿可拆卸)

□-shaped rod open chain guard application places and models (□-shaped Cross shaft)



裝配較大型管線 (線路示意)

材質：
□型桿係工程塑鋼射出成型。

特長：

- (一) 耐蝕性佳，可承載重壓，不變形。
- (二) 可裝單側、雙側或者跳目裝。
- (三) 保養內部管線時，可隨即打開□型桿作業。

說明：

a. SQ401(SQ501)主體和法蘭部分尺寸請參考 SQ402(SQ502) II、III護管相關尺寸表。

Material：
□-shaped rod system engineering plastic steel injection molding.

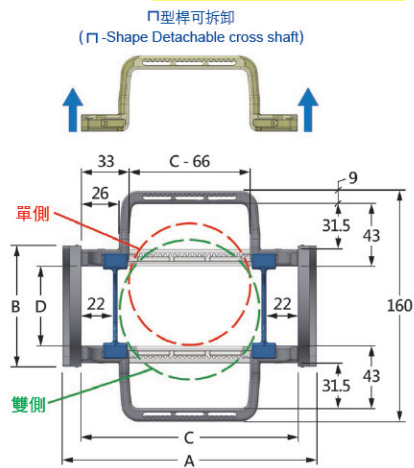
Advantages：

- (1) Good corrosion resistance, can bear heavy pressure without deformation.
- (2) Can be installed on one side, two sides or in a jumper.
- (3) When maintaining the internal pipeline, the □-shaped rod can be opened immediately for operation.

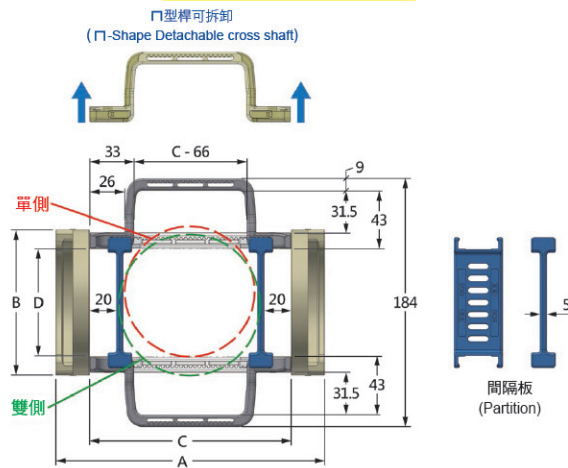
Direction：

a. For the dimensions of the SQ401 (SQ501) body and flange, please refer to the SQ402 (SQ502) II and III protective tube related dimension table..

SQ401 護管設計：



SQ501 護管設計：



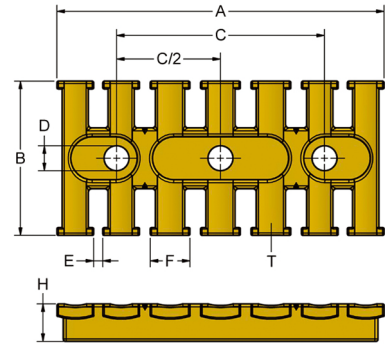
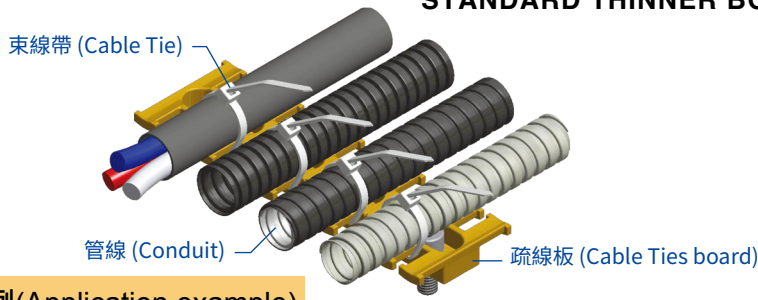
尺寸表 (採一般公差) Specification (Approx) mm

型號 Catalog	番號 No.	A	B	C	D	節距 Pitch	最大直徑值 Maximum diameter		重量 Weight
							單側 One side	雙側 Both sides	
SQ401	II	177	84	150	56	92	∅87	∅100	44.4
SQ401	III	227	84	200	56	92	∅92	∅136	55.8
SQ501	II	200	108	150	80	111	∅100	∅115	44.4
SQ501	III	250	108	200	80	111	∅120	∅156	55.8



標準疏線板

STANDARD THINNER BOARD



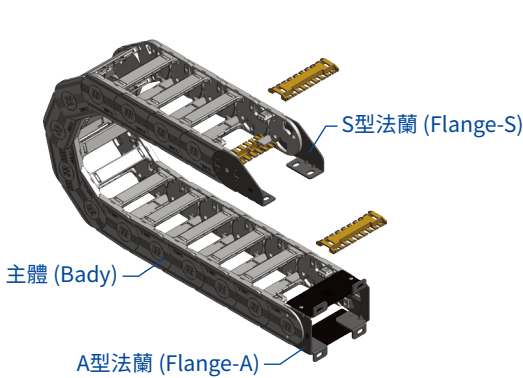
使用例(Application example)

- 廣泛用於鏈條護管法蘭之前端及末端。
Widely used at the front and end of the chain protection pipe flange.

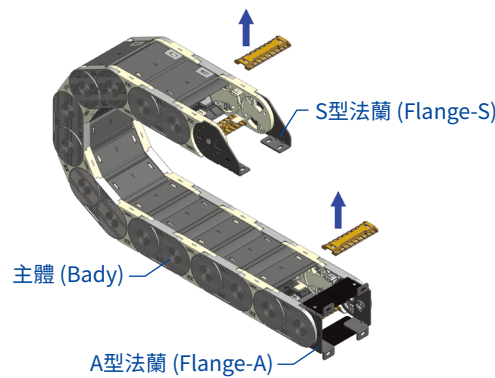
型號 Catalog No.	番號 TYPE	A	B	C	尺寸 C/2	Dimension (mm) D	E	F	T	H
ASQTW01000000	I	88	50.6	55	-	8.2	3.0	12	6	12.3
ASQTW02000000	II	107	50.6	70	-	8.2	3.0~3.5	12~13	7	12.3
ASQTW03000000	III	157	50.6	115	-	8.2	3.0~3.6	12~13	10	12.3
ASQTW04000000	IV	207	50.6	168	84	8.2	3.0	12	14	12.3

橫桿疏線板

CROSSBAR THINNING BOARD

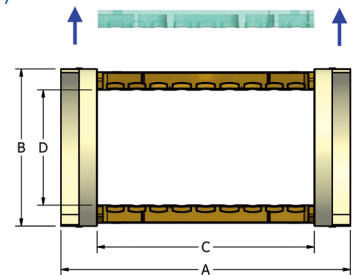


SQ402、SQ502



SQ403、SQ503

橫桿疏線板可拆卸
(Detachable cross shaft)



尺寸表 (採一般公差) Specification (Approx) mm									
型號 Catalog No.	番號 TYPE	A	B	C	D	節距 Pitch	彎曲半徑(實質高度 Hs) Bending Radius(Real Height Hs)		
							R (Hs)	R (Hs)	R (Hs)
SQ402 (SQ403)	I	127	84	100	56	92	150 (414)	225 (564)	300 (714)
SQ402 (SQ403)	II	177	84	150	56	92	150 (414)	225 (564)	300 (714)
SQ402 (SQ403)	III	227	84	200	56	92	150 (414)	225 (564)	300 (714)
SQ402 (SQ403)	IV	277	84	250	56	92	150 (414)	225 (564)	300 (714)
SQ502 (SQ503)	I	150	108	100	80	111	200 (538)	275 (688)	350 (838)
SQ502 (SQ503)	II	200	108	150	80	111	200 (538)	275 (688)	350 (838)
SQ502 (SQ503)	III	250	108	200	80	111	200 (538)	275 (688)	350 (838)
SQ502 (SQ503)	IV	300	108	250	80	111	200 (538)	275 (688)	350 (838)

SQ502 巨型開放式鏈條護管 (橫桿可拆卸)

SQ502 BAND CABLE CHAIN (Detachable cross shaft)



中華民國專利號碼：第I487855號
R.O.C.Patent No. : I487855

TYPE-SQ502

材質：

護管係工程塑鋼射出成型，法蘭係鋼板沖壓成型。

特長：

- (一) 耐蝕性佳，不變形。
- (二) 可承載重壓。
- (三) 護管之長度可任意增長或減短。
- (四) 保養內部管線時，可隨即打開橫桿作業。

說明：

- a. 承受重壓不變形，橫桿能拆卸。
- b. 適重負載及中長行程之游動。
- c. 適用於電腦機床、龍門搪銑床、綜合加工機、機場空橋、水庫閘門、自動倉儲及產業機械等。

Material:

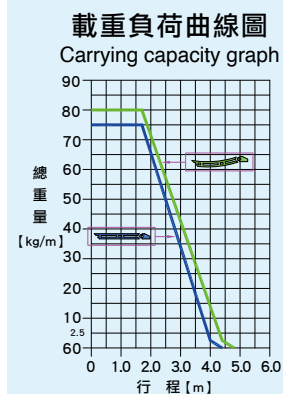
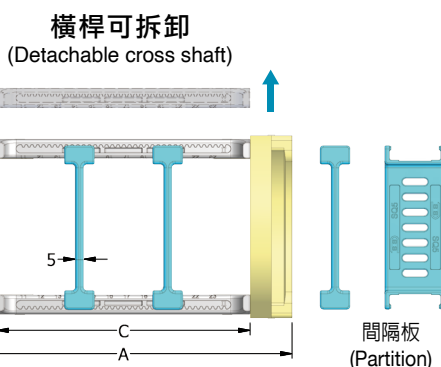
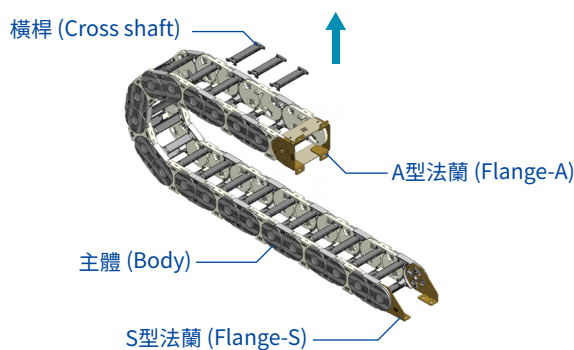
The Cable chain is injected polyester. The flange is stamped steel sheet.

Advantages:

- (1) Good corrosion resistance, deformation free.
- (2) Heavy duty.
- (3) Adjustable length.
- (4) Open protection lid for interior cable maintenance.

Direction:

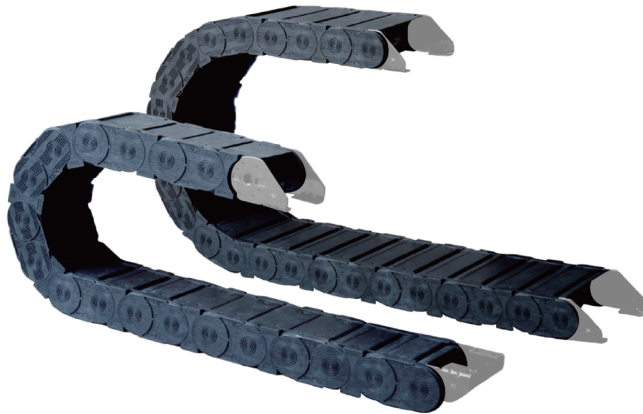
- a. Not easy to twist under pressure, Detachable cross shaft.
- b. Apply to heavy carrying capacity and middle-long movement.
- c. Apply to computer controlled machine tool, milling planner, machining center, airspace flyover, reservoir strobe, automatic warehouse, and industrial machinery.



尺寸表 (採一般公差) Specification (Approx) mm									
番號 TYPE	節距				彎曲半徑(實質高度 Hs) Bending Radius (Real Height Hs)			重量 Weight kg/M	
	A	B	C	D	Pitch	R (Hs)	R (Hs)		R (Hs)
I	150	108	100	80	111	200 (538)	275 (688)	350 (838)	5.9
II	200	108	150	80	111	200 (538)	275 (688)	350 (838)	6.3
III	250	108	200	80	111	200 (538)	275 (688)	350 (838)	6.7
IV	300	108	250	80	111	200 (538)	275 (688)	350 (838)	7.0
V	350	108	300	80	111	200 (538)	275 (688)	350 (838)	7.3
VI	400	108	350	80	111	200 (538)	275 (688)	350 (838)	7.7
VII	450	108	400	80	111	200 (538)	275 (688)	350 (838)	8.0
VIII	550	108	500	80	111	200 (538)	275 (688)	350 (838)	8.6

SQ503 巨型封閉式鏈條護管 (護蓋可掀開)

SQ503 BAND CABLE CHAIN (Protection cover can be opened)



中華民國專利號碼：第I487855號
R.O.C.Patent No. : I487855

TYPE-SQ503

材質：

護管係工程塑膠射出成型，法蘭係鋼板沖壓成型。

特長：

- (一) 以「不夾鐵屑」之功能設計，容易擦拭清理。
- (二) 保養內部管線時，可隨即打開護蓋作業。
- (三) 耐蝕性佳，不變形。
- (四) 可承載重壓。
- (五) 護管之長度可任意增長或減短。

說明：

- a. 承受重壓不變形，護蓋能掀開。
- b. 適重負載及中長行程之游動。
- c. 適用於電腦機床、龍門搪銑床、綜合加工機、機場空橋、水庫閘門、自動倉儲及產業機械等。

Material:

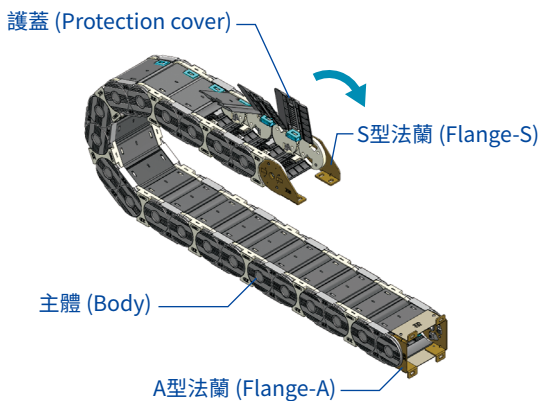
The Cable chain is injected with polyester, The flange is made of stamped steel plate.

Advantages:

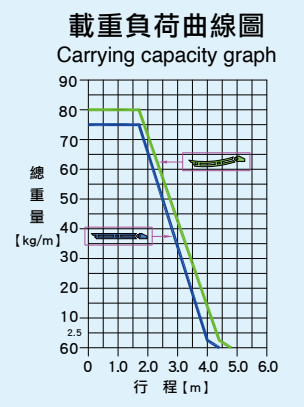
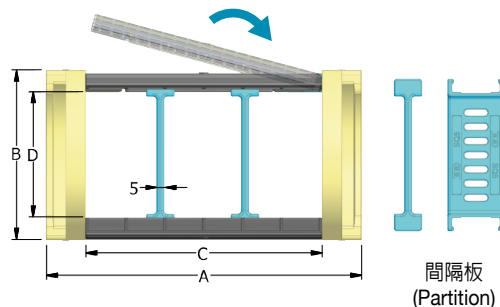
- (1) Special design that doesn't trap metal chips for easy cleaning.
- (2) Open protection lid for maintenance.
- (3) Good corrosion resistance, deformation free.
- (4) Heavy duty .
- (5) Adjustable length.

Direction:

- a. Not easy to twist under pressure, Protection cover can be opened.
- b. Apply to heavy carrying capacity and middle-long movement.
- c. Apply to computer controlled machine tool, milling planner, machining center, airspace flyover, reservoir strobe, automatic warehouse, and industrial machinery.



護蓋可掀開
(Protection cover can be opened)



尺寸表 (採一般公差) Specification (Approx) mm

番號 TYPE	節距				彎曲半徑(實質高度 Hs) Bending Radius (Real Height Hs)			重量 Weight kg/M	
	A	B	C	D	Pitch	R (Hs)	R (Hs)		R (Hs)
I	150	108	100	80	111	200 (538)	275 (688)	350 (838)	6.6
II	200	108	150	80	111	200 (538)	275 (688)	350 (838)	7.2
III	250	108	200	80	111	200 (538)	275 (688)	350 (838)	7.9
IV	300	108	250	80	111	200 (538)	275 (688)	350 (838)	8.5

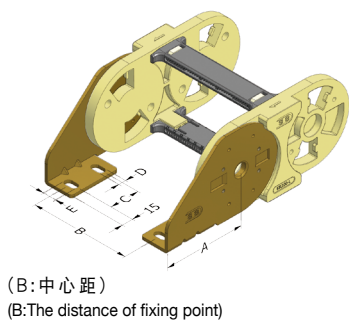
SQ502、SQ503 結構功能、法蘭型式及裝置方法

SQ502、SQ503 STRUCTURE FUNCTION, FLANGE TYPE & CABLE FLANGE ARRANGEMENTS



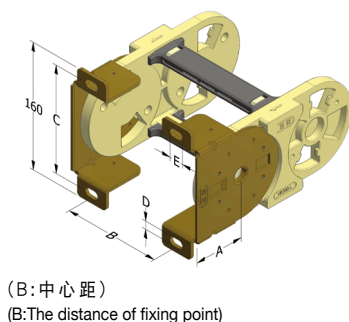
- 結構功能 : 設計四個受力支撐點，兩個互鈎扣環及旋轉導槽，可增加抗拉及抗扭，相對可倍增承載負荷。
- Structure function : Four pressure supporting point and two bent coupling lock design and Rotation guide channel, to increase anti pressure and anti torque and also increase carrying capacity exponentially.

S型法蘭 FLANGE-S



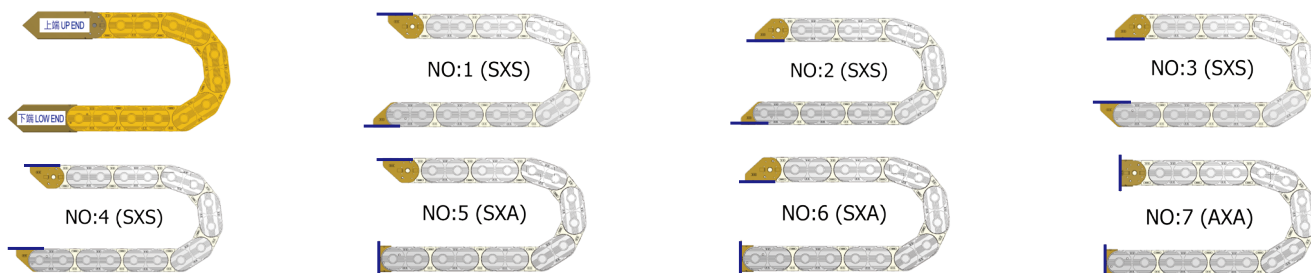
番號 TYPE	尺寸 Dimension(mm)					重量 Weight g/pc	
	A	B	C	D	E	公端(m)	母端(f)
I	110	84	40	10	18	370	488
II	110	134	40	10	18	370	488
III	110	184	40	10	18	370	488
IV	110	234	40	10	18	370	488
V	110	284	40	10	18	370	488
VI	110	334	40	10	18	370	488
VII	110	384	40	10	18	370	488
VIII	110	484	40	10	18	370	488

A型法蘭 FLANGE-A



番號 TYPE	尺寸 Dimension(mm)					重量 Weight g/pc	
	A	B	C	D	E	公端(m)	母端(f)
I	64	73	136	10	18	443	574
II	64	123	136	10	18	443	574
III	64	173	136	10	18	443	574
IV	64	223	136	10	18	443	574
V	64	273	136	10	18	443	574
VI	64	323	136	10	18	443	574
VII	64	373	136	10	18	443	574
VIII	64	473	136	10	18	443	574

法蘭裝置方法 (Flange Arrangements)



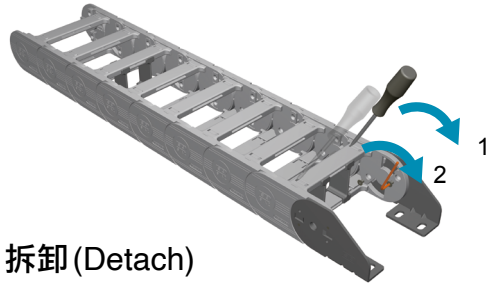
鏈條護管應用概念及長度計算方式，請參閱第011頁 Refer to page 011 for application concept of cable chain, length calculation. 購買鏈條護管時稱呼，請參閱第092頁 When buying cable chains, please refer to page 092.

SQ402、SQ502、SQ403、SQ503 拆卸組合操作方法及雙條護管疊層使用概略

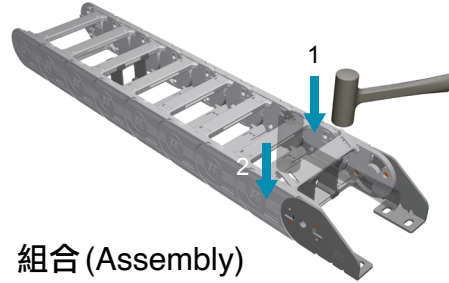
SQ402、SQ502、SQ403、SQ503 COMBINATION OPEN, FLANGE TYPE & DOUBLE STROMATOLITH USING

SQ402、SQ502 橫桿拆卸及組合操作方法：Detach and combination operation of cross shaft

- 拆解工具為5mm寬一字形起子 (Dismantling with 5mm slotted screwdriver)



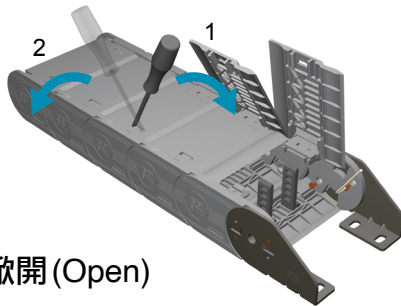
拆卸 (Detach)



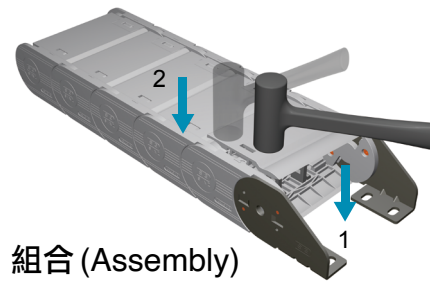
組合 (Assembly)

SQ403、SQ503 護蓋掀開及組合操作方法：Open and combination operation of protection cover

- 拆解工具為5mm寬一字形起子 (Dismantling with 5mm slotted screwdriver)



掀開 (Open)

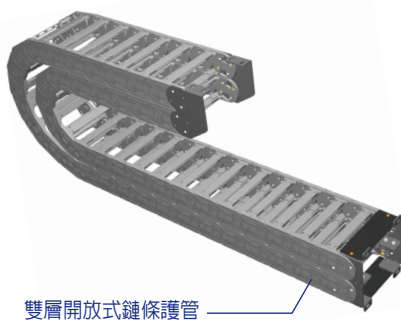


組合 (Assembly)

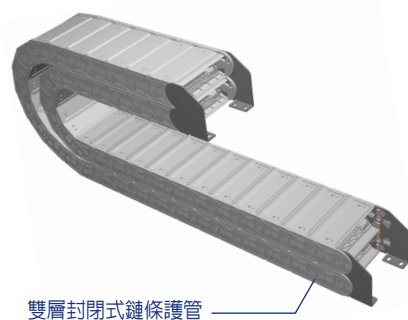
SQ402、SQ403-可設計雙條疊層使用：Design for double stromatolith using

倘若鏈條護管之安裝因空間受限，則可設計雙條護管疊層并用。

If the installation of cable chain is not available, please choose double stromatolith.



雙層開放式鏈條護管



雙層封閉式鏈條護管



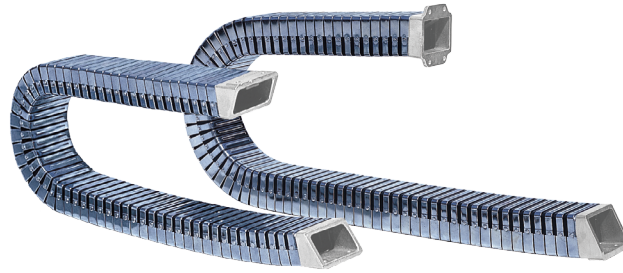
SQ402雙條疊層使用例：Application Example



SQ403雙條疊層使用例：Application Example

SQ301 方形游動護管 (標準型)

SQ301 CAPFLEX (Standard type)



TYPE-SQ301

材質：

金屬上下壓片係SK7鋼板沖壓成型與方型塑鋼框鉚合組成，法蘭係鋁合金材質。

特長：

護管游動時，線條平順美觀，寂靜無聲。

說明：

- a. 護蓋不能打開。
- b. 適中負載及中行程之游動。
- c. 適用於搪銑床、電腦機床、綜合加工機及產業機械等。

Material:

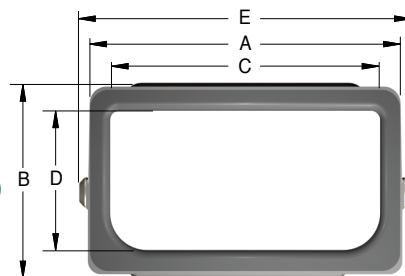
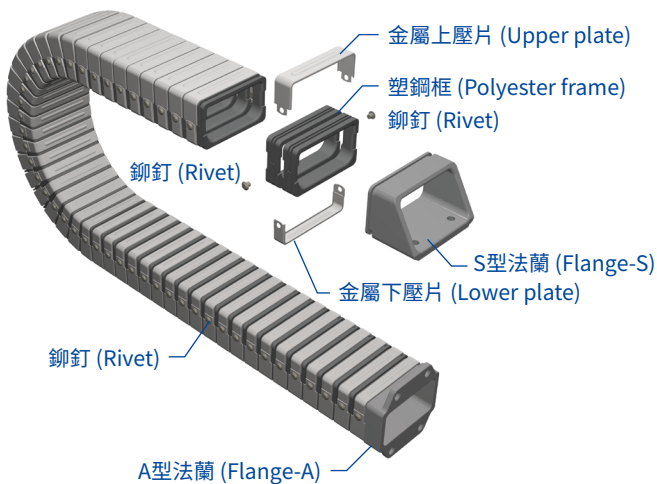
The upper and lower plates are punched by riveted SK7 steel plate and square plastic steel frame. Flange plates are made of aluminum alloy.

Advantages:

Quiet and smooth motion with elegant flex line.

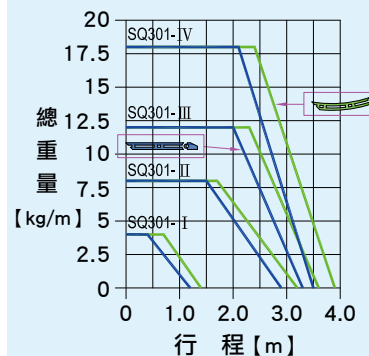
Direction:

- a. The protection cover is not able to turn on.
- b. Moderate load and movement.
- c. Apply to milling machine, computer controlled machine tool, machining center and industrial machinery.



載重負荷曲線圖

Carrying capacity graph



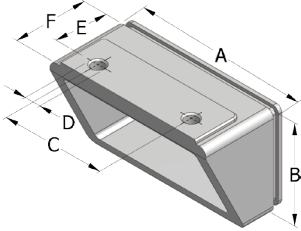
尺寸表 (採一般公差) Specification (Approx) mm

番號	節距					彎曲半徑(實質高度 Hs)				重量	
	A	B	C	D	E	Pitch	R (Hs)	R (Hs)	R (Hs)		R (Hs)
TYPE	A	B	C	D	E	Pitch	R (Hs)	R (Hs)	R (Hs)	R (Hs)	Weight kg/M
I	56	38	44	24	61	20	75 (213)	100 (263)	150 (363)	200 (463)	1.04
II	85	53	72	37.5	90	20	150 (378)	200 (478)	250 (578)	280 (638)	1.95
III	117	69	100	51	119	25	150 (399)	200 (499)	250 (599)	320 (739)	2.90
IV	126	93	105	71	129	25	220 (563)				3.70

SQ301 法蘭型式及裝置方法

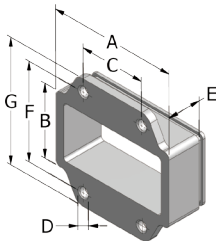
SQ301 FLANGE TYPE & CABLE FLANGE ARRANGEMENTS

S型法蘭 FLANGE-S



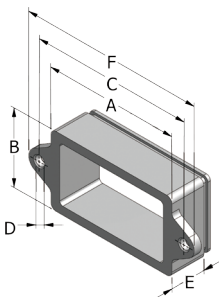
番號 TYPE	尺寸 Dimension (mm)						重量 Weight g/pc
	A	B	C	D	E	F	
I	56	36	22	7	31.5	43	92
II	85	51	50	7	32.5	45	149
III	117	66	70	9	39	51	295
IV	126	91	70	9	35	50	385

A型法蘭 FLANGE-A



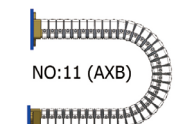
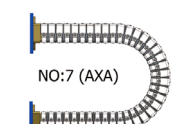
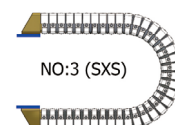
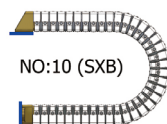
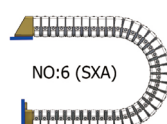
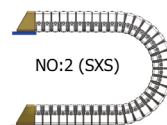
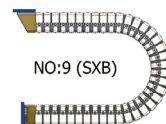
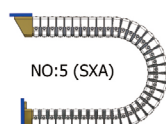
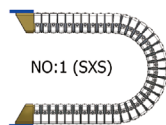
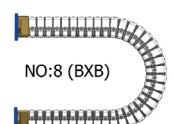
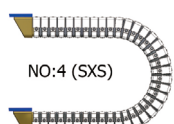
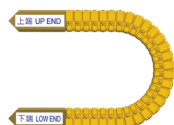
番號 TYPE	尺寸 Dimension (mm)							重量 Weight g/pc
	A	B	C	D	E	F	G	
I	56	36	18	7	19	55	73	76
II	85	51	45	7	26.5	70	87	152
III	117	66	60	9	31	90	112	295
IV	126	91	60	9	32	110	134	418

B型法蘭 FLANGE-B



番號 TYPE	尺寸 Dimension (mm)						重量 Weight g/pc
	A	B	C	D	E	F	
I	56	36	75	7	19	92	69
II	85	51	105	7	26.5	122	129
III	117	66	140	9	31	161	275
IV	126	91	145	9	32	168	344

法蘭裝置方法 (Flange Arrangements)

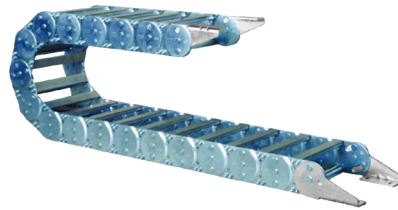


鏈條護管應用概念及長度計算方式，請參閱第011頁 Refer to page 011 for application concept of cable chain, length calculation.

購買鏈條護管時稱呼，請參閱第092頁 When buying cable chains, please refer to page 092.

SQ902 重承載開放式金屬鏈條護管 (橫桿可拆卸)

SQ902 HEAVY-LOAD METAL CABLE CHAIN (Detachable cross shaft)



中華民國專利號碼：第M395959號
R.O.C. Patent No. : M395959

TYPE-SQ902

材質：

- (一) 主體與法蘭係鋼板沖壓成型。
- (二) 橫桿係鋁合金擠製成型。
- (三) 插銷係合金鋼擠製成型。
- (四) 螺絲為內六角合金鋼螺絲 (具防鬆效果)。
- (五) C型扣環為鋼質材料。

特長：

- (1) 鋼質材料堅韌耐磨，不變形不脫節。
- (2) 可承重荷，係專為長距離游動之護管設計。
- (3) 護管之長度可任意增長或減短。
- (4) 護管內容寬度(尺寸表：E)，可依實際需求而訂製，最寬寬度可達600 mm。
- (5) 保養內部管線時，可隨即拆開橫桿作業。

說明：

- a. 可承重壓不變形。
- b. 適重負荷及長行程之游動。
- c. 高穩定性，使用壽命長。
- d. 可作短距離懸空側裝(無支撐)。
- e. 適用於巨型機床、輸送空橋、長距閘門及自動化整廠設備等。

Material:

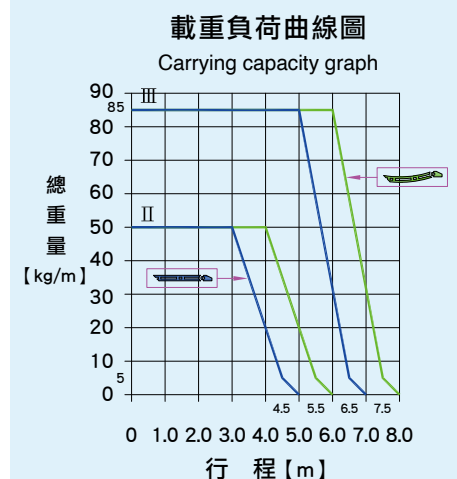
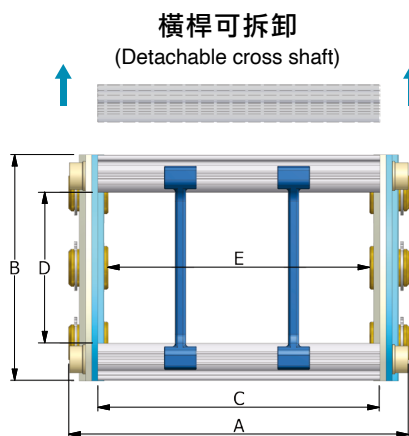
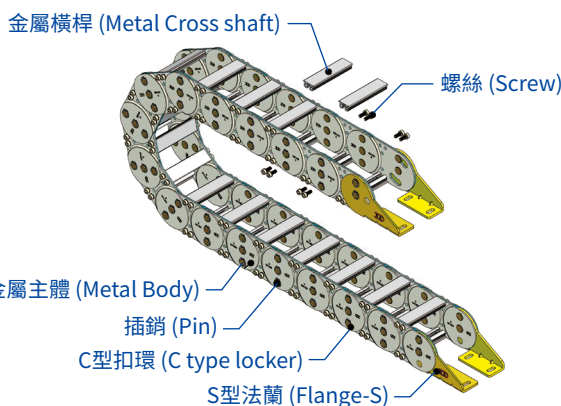
- (1) The body and flange are punched by steel plate.
- (2) Booms are pressed by aluminum alloy.
- (3) Pins are pressed by alloy steel.
- (4) Hexagonal screws are applied (looseness resistance).
- (5) C-type fasteners are made of steel.

Advantages:

- (1) The steel materials can be tough and flexible without distortion and link.
- (2) The heavy-load sleeve is designed for long-stroke movement.
- (3) The length of a sleeve can be increased or decreased.
- (4) The inner width of a sleeve (Specification:E) can be customized according to the actual requirements. The maximum width can be up to 600 mm.
- (5) Booms can be removed when maintaining the interior conduits.

Direction:

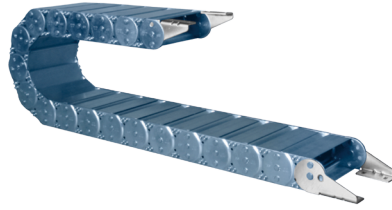
- a. Heavy load without distortion
- b. It is suitable for heavy load and long-stroke movement.
- c. High stability and long lifetime.
- d. Installation on the suspension side (no support).
- e. It is suitable for large machine tools, conveyance bridge, long-distance gate and automation equipment.



		尺寸表 (採一般公差) Specification (Approx) mm															
番號	TYPE	節距					彎曲半徑(實質高度 Hs) Bending Radius(Real Height Hs)									重量 kg/M	
		A	B	C	D	E	Pitch	R (Hs)	R (Hs)	R (Hs)	R (Hs)	R (Hs)	R (Hs)	R (Hs)	R (Hs)		
I	C+20	68 (客製寬度)	40	C-7	86	100 (310)	150 (410)	200 (510)	250 (610)	300 (710)						8.8 (開發中)	
II	C+22	84 (客製寬度)	56	C-8	95	140 (414)	200 (534)	250 (634)	300 (734)	350 (834)	400 (934)					11.5	
III	C+24	103 (客製寬度)	75	C-9	125	145 (450)	200 (560)	250 (660)	300 (760)	350 (860)	400 (960)	500 (1160)				14.6	

SQ903 重承載封閉式金屬鏈條護管 (護蓋可拆卸)

SQ903 HEAVY-LOAD METAL CABLE CHAIN (Protection cover can be opened)



中華民國專利號碼：第M395959號
R.O.C. Patent No. : M395959

TYPE-SQ903

材質：

- (一) 主體與法蘭係鋼板沖壓成型。
- (二) 護蓋係鋁合金擠製成型。
- (三) 插銷係合金鋼擠製成型。
- (四) 螺絲為內六角合金鋼螺絲 (具防鬆效果)。
- (五) C型扣環為鋼質材料。

特長：

- (1) 鋼質材料堅韌耐磨，不變形不脫節。
- (2) 可承重荷，係專為長距離游動之護管設計。
- (3) 護管之長度可任意增長或減短。
- (4) 護管內容寬度(尺寸表：E)，可依實際需求而訂製，最寬寬度可達600mm。
- (5) 保養內部管線時，可隨即拆開護蓋作業。
- (6) 以「不夾鐵屑」之功能設計，容易擦拭清理。

說明：

- a. 可承重壓不變形。
- b. 適重負荷及長行程之游動。
- c. 高穩定性，使用壽命長。
- d. 可作短距離懸空側裝(無支撐)。
- e. 可用於高熱鐵屑場所。
- f. 適用於巨型機床、輸送空橋、長距閘門及自動化整廠設備等。

Material:

- (1) The body and flange are punched by steel plate.
- (2) Booms are pressed by aluminum alloy.
- (3) Pins are pressed by alloy steel.
- (4) Hexagonal screws are applied (looseness resistance).
- (5) C-type fasteners are made of steel.

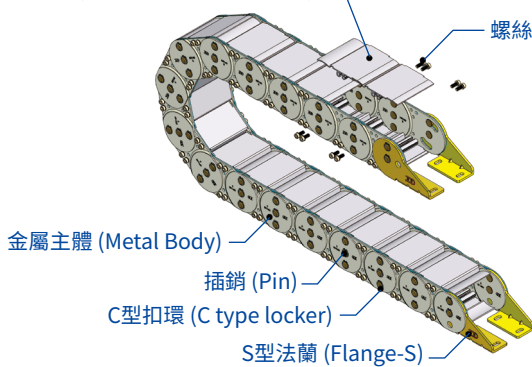
Advantages:

- (1) The steel materials can be tough and flexible without distortion and link.
- (2) The heavy-load sleeve is designed for long-stroke movement.
- (3) The length of a sleeve can be increased or decreased.
- (4) The inner width of a sleeve (Specification:E) can be customized according to the actual requirements. The maximum width can be up to 600 mm.
- (5) Booms can be removed when maintaining the interior conduits.
- (6) Special design that doesn't trap metal chips for easy cleaning.

Direction:

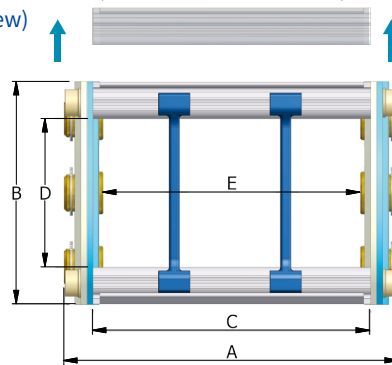
- a. Heavy load without distortion
- b. It is suitable for heavy load and long-stroke movement.
- c. High stability and long lifetime.
- d. Installation on the suspension side (no support).
- e. Can be applied to a place where the high temperature and iron filings occur.
- f. It is suitable for large machine tools, conveyance bridge, long-distance gate and automation equipment.

金屬護蓋 (Metal Protection cover)



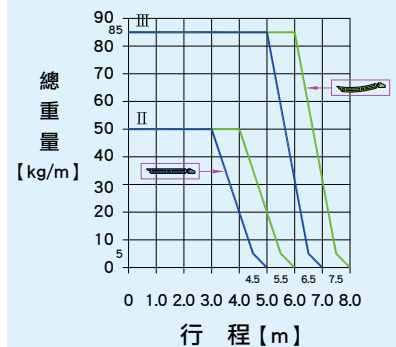
護蓋可拆卸

(Protection cover can be removed)



載重負荷曲線圖

Carrying capacity graph



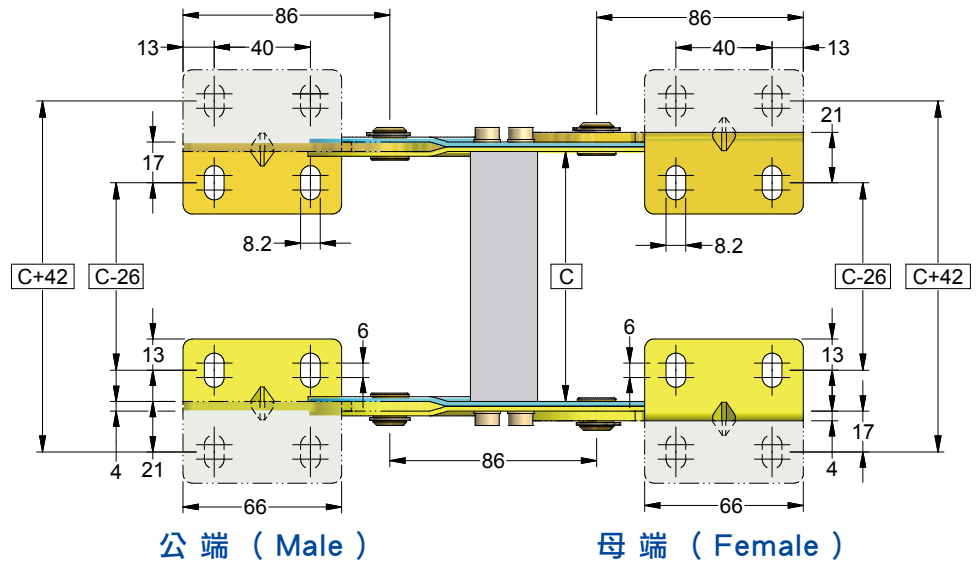
尺寸表 (採一般公差) Specification (Approx) mm

番號 TYPE	節距					彎曲半徑(實質高度 Hs) Bending Radius(Real Height Hs)					重量 Weight kg/M		
	A	B	C	D	E	Pitch	R (Hs)	R (Hs)	R (Hs)	R (Hs)		R (Hs)	
I	C+20	68 (客製寬度)	40	C-7	86	86	100 (310)	150 (410)	200 (510)	250 (610)	300 (710)	9.7 (開發中)	
II	C+22	84 (客製寬度)	56	C-8	95	95	140 (414)	200 (534)	250 (634)	300 (734)	350 (834)	400 (934)	12.4
III	C+24	103 (客製寬度)	75	C-9	125	125	200 (560)	250 (660)	300 (760)	350 (860)	400 (960)	500 (1160)	17.7

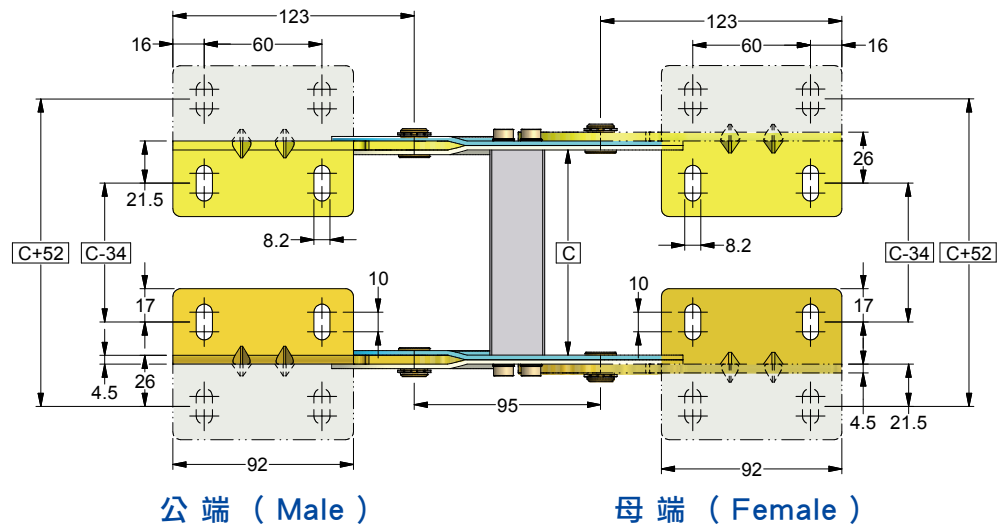
SQ902、SQ903 法蘭型式

SQ902、SQ903 FLANGE TYPE

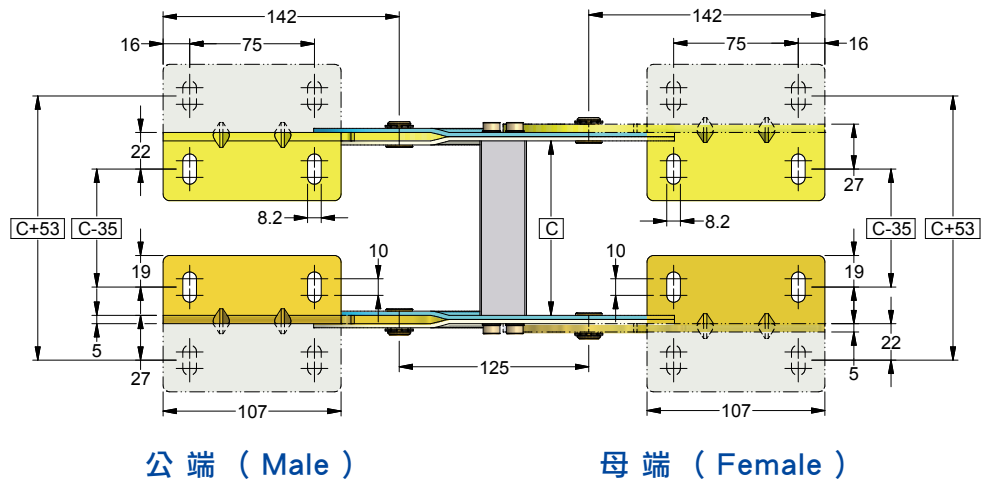
S型法蘭(FLANGE-S)
(TYPE - I)



S型法蘭(FLANGE-S)
(TYPE - II)



S型法蘭(FLANGE-S)
(TYPE - III)

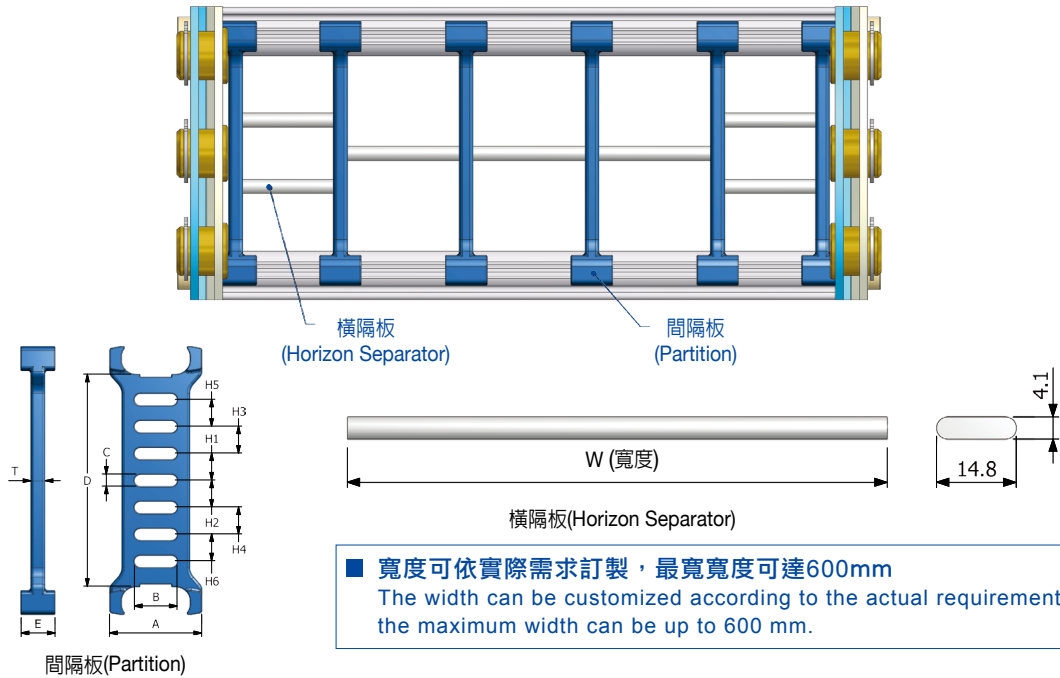


■ C : 訂製護管寬度 (客製寬度)

C : indicates the customized width.

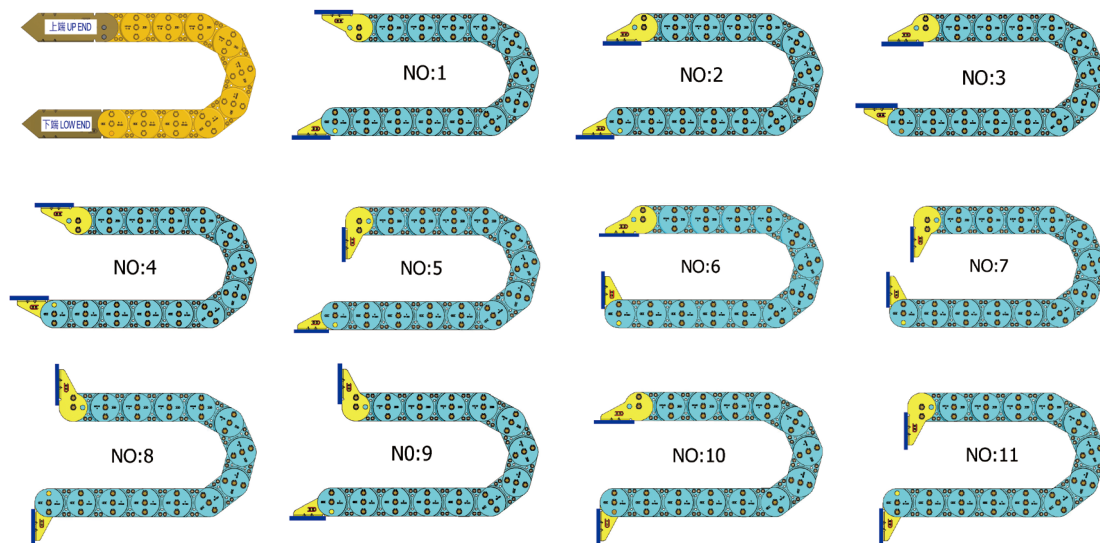
SQ902、SQ903 隔板及法蘭裝置方法

SQ902、SQ903 PARTITION & FLANGE ARRANGEMENTS



番號 TYPE	A	B	C	D	E	T	H1	H2	H3	H4	H5	H6
I	32.5	15	4.2	40	12	4	9.5	9.5	-	-	-	-
II	32.5	15	4.2	56	12	4	9.5	9.5	9.5	9.5	-	-
III	32.5	15	4.2	75	12	5	9.5	9.5	9.5	9.5	9.5	9.5

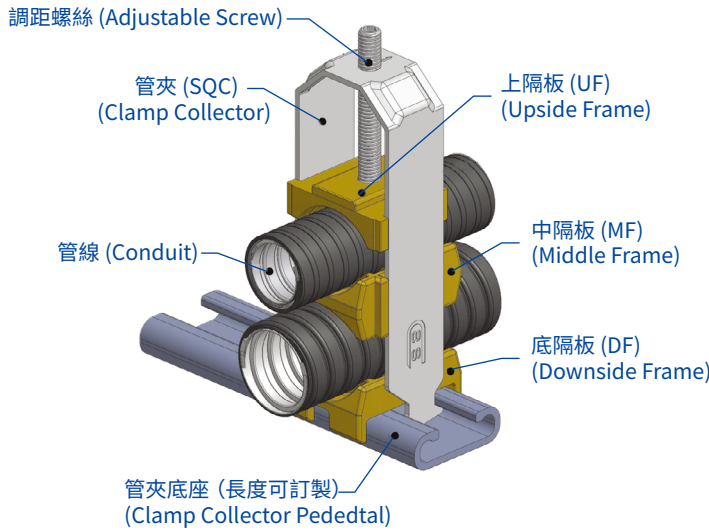
法蘭裝置方法 (Flange Arrangements)



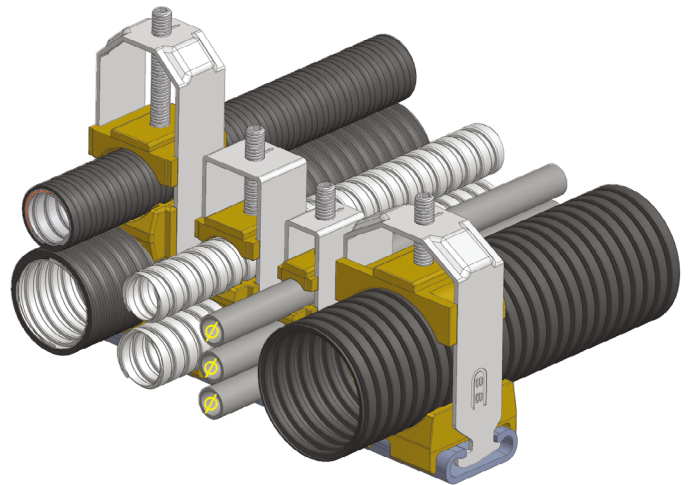
鏈條護管應用概念及長度計算方式，請參閱第011頁 Refer to page 011 for application concept of cable chain, length calculation. 購買鏈條護管時稱呼，請參閱第092頁 When buying cable chains, please refer to page 092.

排線夾

CLAMP HOUSING



TYPE-SQC



使用例 (Application example)

材質：

- (一) 管夾底座係鋁合金擠製成型。
- (二) 管夾係S50C鋼板衝壓成型。
- (三) 上隔板、中隔板、底隔板係塑鋼射出成型。
- (四) 調距螺絲係合金鋼與鐵片加工鉚合組成。

特長：

- (1) 可將管線牢牢固定。
- (2) 管夾底座之長度，可依所需之長度訂製。
- (3) 管夾有7種標準規格，可依需求配用。
- (4) 安裝迅速便捷，縮減工時。

說明：

- a. 適用於鏈條護管之管線固定。
- b. 適用於水電管線之固定。

Material:

- (1) Clamp base is pressed by aluminum alloy.
- (2) Clamp is cast by S50C steel plate.
- (3) The upper, medium and lower partition boards are ejected by plastic steel.
- (4) Pitch screw consists of riveted alloy steel and iron sheet.

Advantages:

- (1) Tightly fix pipes.
- (2) The length of clamp base can be customized.
- (3) Seven types of tube clamp can be selected.
- (4) Quickly and conveniently install to reduce work hours.

Direction:

- a. Suitable to fix cable chain.
- b. Suitable to fix water and electricity conduits.

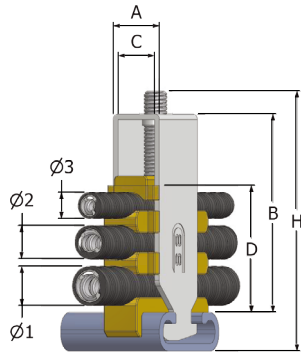
安裝示意圖 Installation Drawing



- 管夾、隔板及管線定位後，再將調距螺絲鎖緊即可。
Adjust pitch screw to lock after clamp housing, vertical separator divider and tubes are positioned.
- 廣泛用於管路之定位及排列。
Widely used for positioning and arrangement of pipelines.

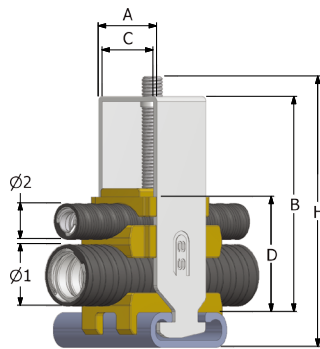
排線夾型式及配置方法

CLAMP HOUSING TYPE & INSTALLATION METHOD



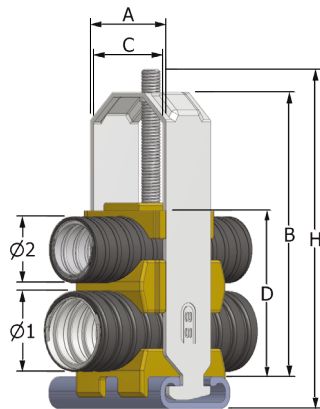
TYPE-SQC10
(線徑≤10mm)

尺寸 Dimension (mm)									
型號	料別簡稱	管線排層	適用線徑	{線徑總合}	管夾外寬	管夾外高	管夾內寬	管夾內限高	總高
TYPE	Identification Marking	Layout	ø [mm]	Total ø [mm]	A	B	C	D	H
SQC10S (標準型)	10A	1	6~10	(06~10)	14	38.5	10.5	33	60
	10B	2	6~10	(12~16)	14	38.5	10.5	33	63
	10C	2	6~10	(16~20)	14	38.5	10.5	33	63
SQC10L (加高型)	10D	3	6~10	(18~22)	14	52.5	10.5	47	73
	10E	3	6~10	(22~26)	14	52.5	10.5	47	73
	10F	3	6~10	(26~30)	14	52.5	10.5	47	73
	10G	4	6~10	(24~30)	14	52.5	10.5	47	73



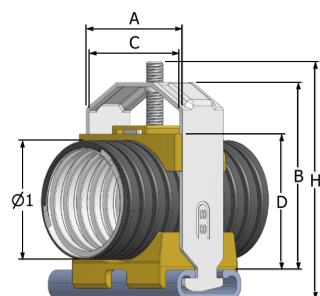
TYPE-SQC20
(線徑≤20mm)

尺寸 Dimension (mm)									
型號	料別簡稱	管線排層	適用線徑	{線徑總合}	管夾外寬	管夾外高	管夾內寬	管夾內限高	總高
TYPE	Identification Marking	Layout	ø [mm]	Total ø [mm]	A	B	C	D	H
SQC20S (標準型)	20A	1	10~15	(10~15)	24	38.5	20.5	33	60
	20B	1	15~20	(15~20)	24	38.5	20.5	33	60
SQC20L (加高型)	20C	2	10~20	(20~25)	24	62.5	20.5	57	87
	20D	2	10~20	(25~30)	24	62.5	20.5	57	87
	20E	2	10~20	(30~35)	24	62.5	20.5	57	87
	20F	2	10~20	(35~40)	24	62.5	20.5	57	87
	20G	3	10~20	(30~36)	24	62.5	20.5	57	87
	20H	3	10~20	(36~40)	24	62.5	20.5	57	87



TYPE-SQC30
(線徑≤30mm)

尺寸 Dimension (mm)									
型號	料別簡稱	管線排層	適用線徑	{線徑總合}	管夾外寬	管夾外高	管夾內寬	管夾內限高	總高
TYPE	Identification Marking	Layout	ø [mm]	Total ø [mm]	A	B	C	D	H
SQC30S (標準型)	30A	1	20~25	(20~25)	34	56.5	30.5	47	80
	30B	1	25~30	(25~30)	34	56.5	30.5	47	80
SQC30L (加高型)	30C	2	20~30	(40~45)	34	90.5	30.5	81	113
	30D	2	20~30	(45~50)	34	90.5	30.5	81	113
	30E	2	20~30	(50~55)	34	90.5	30.5	81	113
	30F	2	20~30	(55~60)	34	90.5	30.5	81	113
	30G	3	20~30	(56~61)	34	90.5	30.5	81	113



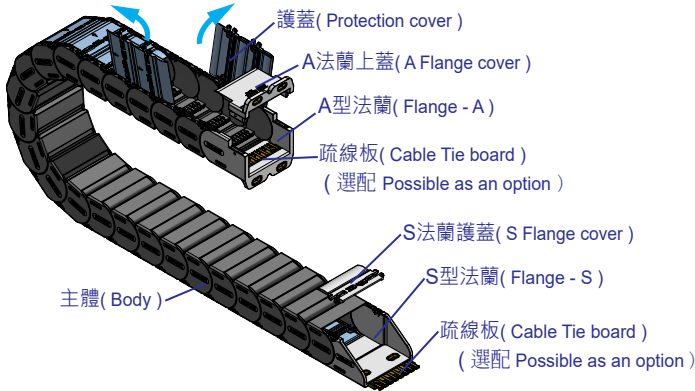
TYPE-SQC43
(線徑≤43mm)

尺寸 Dimension (mm)									
型號	料別簡稱	管線排層	適用線徑	{線徑總合}	管夾外寬	管夾外高	管夾內寬	管夾內限高	總高
TYPE	Identification Marking	Layout	ø [mm]	Total ø [mm]	A	B	C	D	H
SQC43S (標準型)	43A	1	30~34	(30~34)	47	64.5	43.5	58.5	84
	43B	1	34~39	(34~39)	47	64.5	43.5	58.5	84
	43C	1	39~43	(39~43)	47	64.5	43.5	58.5	84

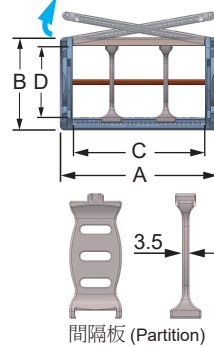
■ {線徑總和}: 是指管夾內所有管線外徑之總和
{Sum of tube diameter}: The sum of outside diameter from all tubing by the clamp collector.

SQ833 封閉式鏈條護管 (護蓋可掀開 | 標準型)

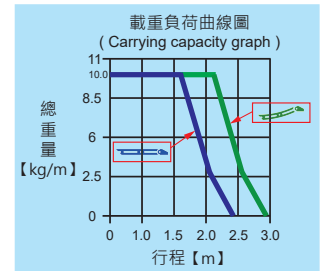
SQ833 CABLE CHAIN (Protection cover can be opened | Standard type)



護蓋可向左或右掀開
(Protection cover can be opened)



發明專利號碼: I702764



材質：
護管與法蘭係工程塑膠射出成型。

- 特長：
- (一) 以「不夾鐵屑」之功能設計，容易擦拭清理。
 - (二) 護管游動時平順美觀。
 - (三) 剛性強韌不變形。
 - (四) 護管之長度可任意增長或減短。
 - (五) 保養內部管線時，可隨即掀開護蓋施工。

- 說明：
- a. 護蓋能開啟。
 - b. 適中負載及中行程之游動。
 - c. 適用於電腦機床、龍門搪銑床、綜合加工機、自動倉儲、停車塔及產業機械等。

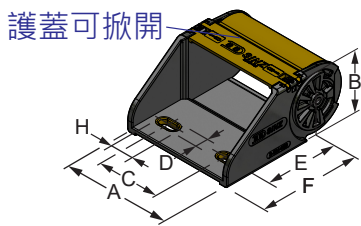
Material:
The Cable chain and flange are injected polyester.

- Advantages:
- (1) Special design that doesn't trap metal chips for easy cleaning.
 - (2) Quiet and smooth motion with elegant flex line.
 - (3) Hing rigidity, no deformation.
 - (4) Adjustable length.
 - (5) Open protection lid for maintenance.

- Direction:
- a. Protection cover can be opened.
 - b. Moderate load and movement.
 - c. Apply to computer machine tools, milling planner, machining center, automatic warehouse, parking tower, industrial machinery etc.

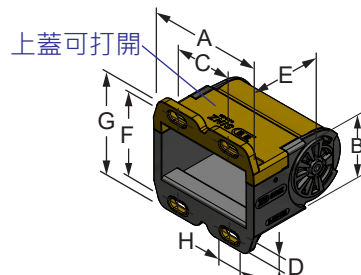
尺寸表 (採一般公差) Specification (Approx) mm

番號 TYPE	節距				彎曲半徑 (實質高度 Hs) Bending Radius (Real Height Hs)					重量 Weight kg/M	
	A	B	C	D	Pitch	R (Hs)	R (Hs)	R (Hs)	R (Hs)		R (Hs)
I	119	70	100	54	60	100 (295)	150 (395)	200 (495)	250 (595)	300 (695)	2.4



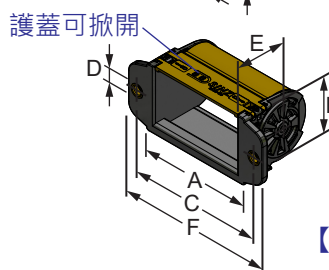
S 型法蘭 FLANGE-S

尺寸 Dimension (mm)								重量 Weight g/pc (f)	
A	B	C	D	E(m)(f)	F(m)(f)	H		(m)	(f)
119	70	71	9	85	110	20		244	224



A 型法蘭 FLANGE-A

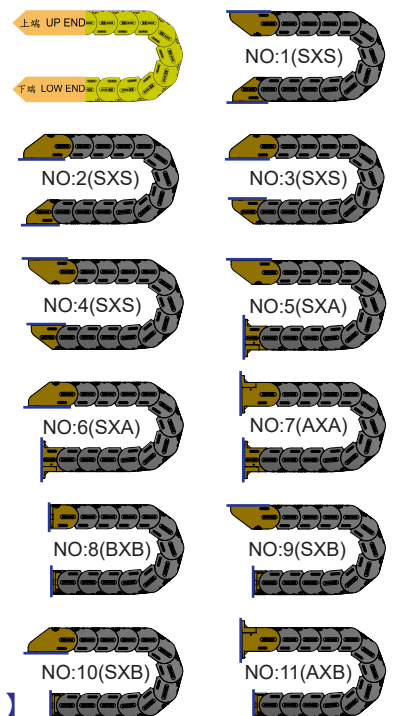
尺寸 Dimension (mm)								重量 Weight g/pc (f)	
A	B	C	D	E(m)(f)	F	G	H	(m)	(f)
119	70	61	9	85	90	110	20	297	274



B 型法蘭 FLANGE-B

尺寸 Dimension (mm)						重量 Weight g/pc (f)	
A	B	C	D	E(m)(f)	F	(m)	(f)
119	70	141	9	48	162	156.4	140.4

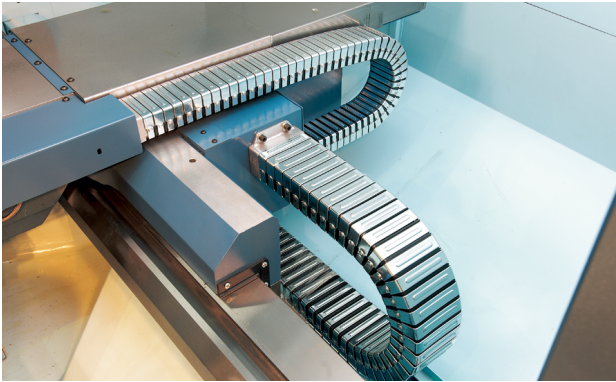
法蘭裝置方法 (Flange Arrangements)



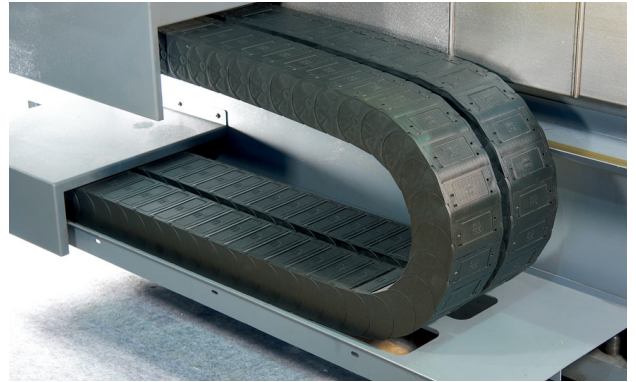
【另備有長行程護管，如有需求，請洽台中營業部業務人員】

鏈條護管使用範例

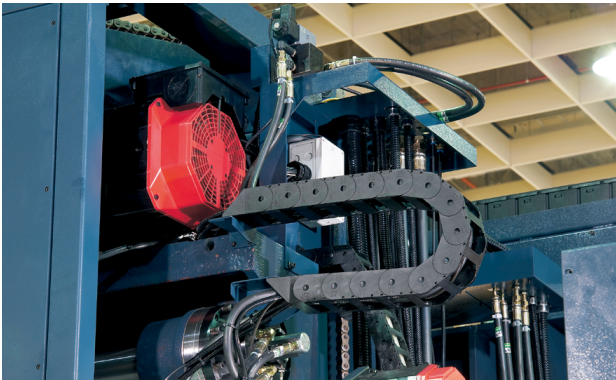
OPERATING CASES OF CABLE CHAIN



SQ301使用例 (Application example)



SQ303使用例 (Application example)



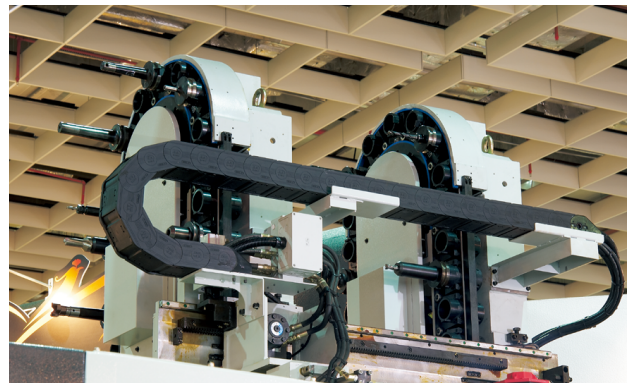
SQ604 使用例 (Application example)



SQ402、SQ502使用例 (Application example)



SQ403使用例 (Application example)



SQ503使用例 (Application example)



FLEXIBLE CONDUIT SERIES

可撓性軟管系列

CE RoHS



抗拉力防水配電軟管

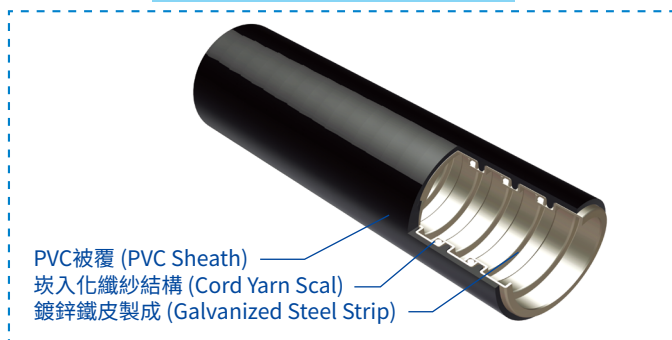
INTERLOCKED LIQUID-TIGHT FLEXIBLE CONDUITS



- (一) PT706 (3/8"~1") 內炭化纖紗可撓性結構。
- (二) PT506 (3/8"~4") 雙扣可撓性結構。
- (三) 彎曲度佳、防護等級IP68。
- (四) 重負荷耐抗拉。
- (五) 內管鍍鋅鐵皮製成，外層被覆PVC，具防水防塵功能。
- (六) 適用於重工機器、精密機械、潮溼區域、石化廠房，或長距離重負荷之電氣配管。

- (1) PT706 (3/8"~1") Cord yarn scal squarelock design.
- (2) PT506 (3/8"~4") Interlock design.
- (3) With great camber, Protection degree IP68.
- (4) Heavy carrying capacity and great tensile.
- (5) The inner conduit is made of iron metal with zinc plating, and the outer face is plated with PVC, great performance for anti water and anti stress.
- (6) Apply to heavy manufacturing, precise machine, humid area, petrified factory building, and the electrical conduit used for long travel route with heavy load capacity.

TYPE-PT706 (3/8"~1")



TYPE-PT506 (3/8"~4")



PT706 (3/8"~1")

型號 Catalog No.	規格 Nominal Size	內徑I.D.(mm)		外徑O.D.(mm)		彎曲半徑 Bending Radius(mm)	包裝長度 Length (M/coil)	重量 Weight (kg/M)	才積 M'ment (cuft)
		最小 Min.	最大 Max.	最小 Min.	最大 Max.				
APT7060300000	3/8"	12.3	12.8	17.7	18.2	65	50	0.25	1.05
APT7060400000	1/2"	15.8	16.3	21.0	21.5	90	50	0.33	1.50
APT7060600000	3/4"	20.8	21.3	26.5	27.0	115	30	0.45	1.47
APT70601000000	1"	26.3	26.8	32.9	33.4	140	30	0.63	2.16

PT506 (3/8"~4")

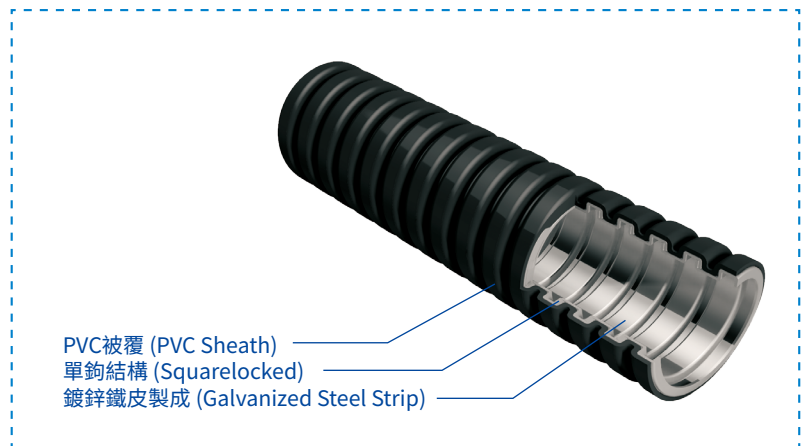
型號 Catalog No.	規格 Nominal Size	內徑I.D.(mm)		外徑O.D.(mm)		彎曲半徑 Bending Radius(mm)	包裝長度 Length (M/coil)	重量 Weight (kg/M)	才積 M'ment (cuft)
		最小 Min.	最大 Max.	最小 Min.	最大 Max.				
APT5060300000	3/8"	12.3	12.8	17.7	18.2	60	50	0.34	1.08
APT5060400000	1/2"	15.8	16.3	21.0	21.5	85	50	0.43	1.51
APT5060600000	3/4"	20.8	21.3	26.5	27.0	105	50	0.54	1.46
APT50601000000	1"	26.3	26.8	32.9	33.4	135	40	0.61	2.16
APT50601200000	1 1/4"	34.9	35.3	41.8	42.3	180	20	1.04	3.09
APT50601400000	1 1/2"	39.9	40.3	47.7	48.2	220	20	1.17	3.71
APT50602000000	2"	51.4	51.8	59.7	60.2	260	15	1.66	4.28
APT50602400000	2 1/2"	63.4	63.8	72.2	72.7	300	10	1.98	3.54
APT50603000000	3"	78.4	78.8	87.7	88.2	380	10	3.10	5.12
APT50604000000	4"	101.4	102.4	113.5	114.0	530	5	4.20	8.34

浪型防水配電軟管 (輕軟型)

ECONOMIC LIQUID-TIGHT FLEXIBLE CONDUITS (Squarelocked)



- (一) 輕軟可撓性結構。
 - (二) 彎曲弧度小、防護等級IP68。
 - (三) 內管鍍鋅鐵皮製成，外層被覆PVC，具防水防塵功能。
 - (四) 適用於整廠設備、狹隘區間及機械電機之電氣配管。
- (1) Squarelock structure.
 - (2) With small camber, Protection degree IP68.
 - (3) The inner conduit is made of iron metal with zinc plating, and the outer face is plated with PVC, great performance for anti water and anti stress.
 - (4) Apply to the electrical conduit for integrating machines, and mini zone, and mechanical motor.



TYPE-PT707

型號 Catalog No.	規格 Nominal Size	內徑I.D.(mm)		外徑O.D.(mm)		彎曲半徑 Bending Radius (mm)	包裝長度 Length (M/coil)	重量 Weight (kg/M)	才積 M ³ ment (cuft)
		最小 Min.	最大 Max.	最小 Min.	最大 Max.				
APT70700300000	3/8"	12.3	12.7	16.7	17.5	45	50	0.20	1.04
APT70700400000	1/2"	15.8	16.2	19.7	20.5	55	50	0.25	1.50
APT70700600000	3/4"	20.8	21.2	25.4	26.2	60	50	0.30	2.25
APT70701000000	1"	25.8	26.3	31.7	32.5	80	50	0.40	3.32
APT70701200000	1 1/4"	34.8	35.3	40.7	41.5	100	30	0.53	2.95
APT70701400000	1 1/2"	39.8	40.3	45.7	46.5	115	30	0.67	3.68
APT70702000000	2"	50.8	51.3	56.7	57.5	160	20	0.87	4.18
APT70702400000	2 1/2"	61.8	62.3	69.7	70.5	190	10	1.32	2.67
APT70703000000	3"	77.8	78.3	85.7	86.5	250	10	1.60	3.24
APT70704000000	4"	100.8	101.3	108.7	109.5	300	5	2.35	5.32

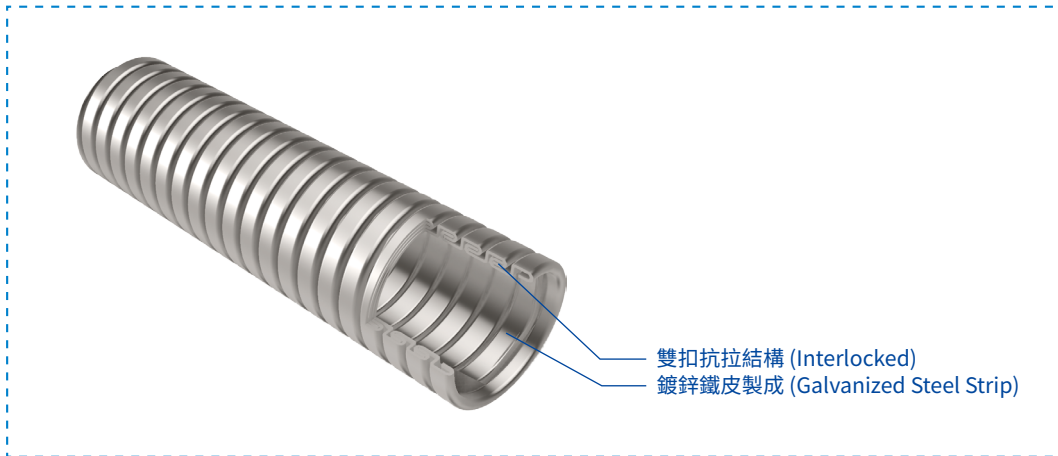
抗拉力金屬配電軟管

INTERLOCKED METAL FLEXIBLE CONDUITS



- (一) 雙扣可撓性結構。
- (二) 彎曲度佳。
- (三) 重負荷耐抗拉。
- (四) 鍍鋅鐵皮製成，不具防水功能。
- (五) 適用於長距離重負荷之電氣配管。

- (1) Interlock structure.
- (2) With great camber.
- (3) Heavy carrying capacity and great tensile.
- (4) Be made of iron metal with zinc plating, without waterproof function.
- (5) Apply to electrical conduit for long travel route and heavy carry capacity.



TYPE-AT506

型號 Catalog No.	規格 Nominal Size	內徑I.D.(mm)		外徑O.D.(mm)		彎曲半徑 Bending Radius (mm)	包裝長度 Length (M/coil)	重量 Weight (kg/M)	才積 M'ment (cuft)
		最小 Min.	最大 Max.	最小 Min.	最大 Max.				
AAT50600300000	3/8"	12.3	12.8	15.3	15.8	55	50	0.26	0.83
AAT50600400000	1/2"	15.8	16.3	18.8	19.3	70	50	0.34	1.24
AAT50600600000	3/4"	20.8	21.3	23.8	24.3	90	50	0.42	2.16
AAT50601000000	1"	26.3	26.8	29.3	29.8	115	50	0.47	3.19
AAT50601200000	1 1/4"	34.9	35.3	39.3	39.7	135	20	0.77	2.56
AAT50601400000	1 1/2"	39.9	40.3	44.3	44.7	160	20	0.89	3.09
AAT50602000000	2"	51.4	51.8	55.8	56.2	190	15	1.05	3.58
AAT50602400000	2 1/2"	63.4	63.8	67.8	68.3	220	10	1.45	3.04
AAT50603000000	3"	78.4	78.8	82.8	83.3	280	10	1.74	4.43
AAT50604000000	4"	101.4	102.4	107.0	108.0	450	5	2.13	7.25

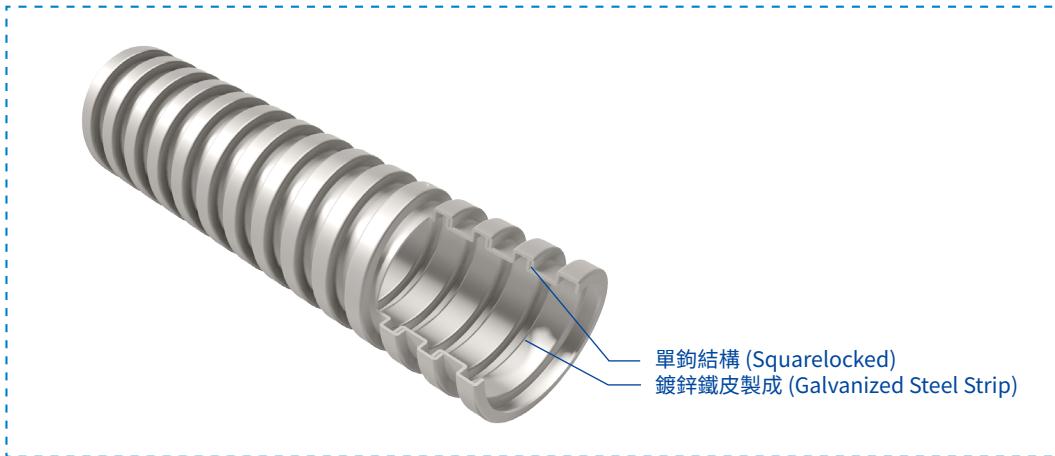
輕軟型金屬配電軟管

SQUARELOCKED METAL FLEXIBLE CONDUITS



- (一) 輕軟可撓性結構。
- (二) 彎曲弧度小。
- (三) 成本較低廉。
- (四) 鍍鋅鐵皮製成，不具防水功能。
- (五) 適用於辦公樓房裝潢、消防配電、廠房隔間之電氣配管。

- (1) Squarelock structure.
- (2) Small bending radian.
- (3) Lowest cost.
- (4) Be made of iron with zinc plating, without waterproof function.
- (5) Apply to electrical conduit for office decoration, fire power distribution, and manufacturing building rooms.



TYPE-AT707

型號 Catalog No.	規格 Nominal Size	內徑I.D.(mm)		外徑O.D.(mm)		彎曲半徑 Bending Radius (mm)	包裝長度 Length (M/coil)	重量 Weight (kg/M)	才積 M'ment (cuft)
		最小 Min.	最大 Max.	最小 Min.	最大 Max.				
AAT70700300000	3/8"	12.3	12.7	15.8	16.2	35	50	0.13	0.86
AAT70700400000	1/2"	15.8	16.2	18.8	19.2	40	50	0.18	1.25
AAT70700600000	3/4"	20.8	21.2	24.5	24.9	45	50	0.23	1.89
AAT70701000000	1"	25.8	26.3	30.8	31.3	55	50	0.35	2.81
AAT70701200000	1 1/4"	34.8	35.3	39.8	40.3	65	30	0.42	2.58
AAT70701400000	1 1/2"	39.8	40.3	44.8	45.3	90	30	0.54	3.21
AAT70702000000	2"	50.8	51.3	55.8	56.3	110	20	0.63	3.67
AAT70702400000	2 1/2"	61.8	62.3	67.8	68.3	140	10	0.98	2.38
AAT70703000000	3"	77.8	78.3	83.8	84.3	190	10	1.26	2.89
AAT70704000000	4"	100.8	101.3	106.8	107.3	250	5	1.92	4.77

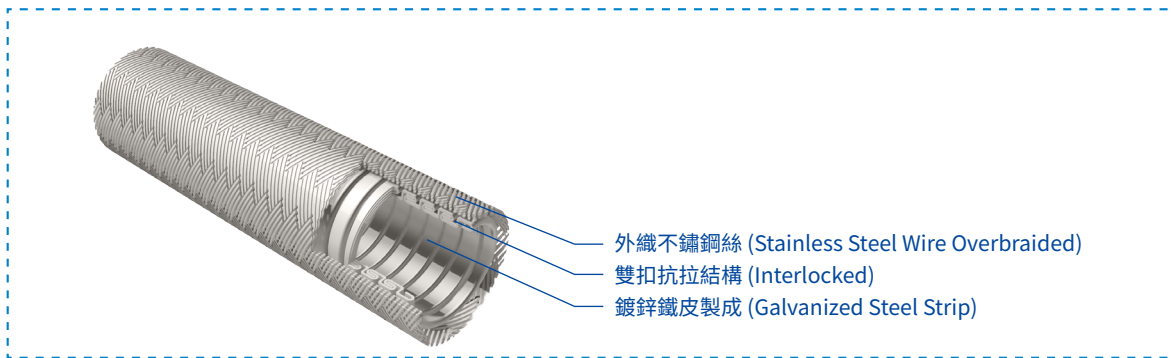
增安配電軟管（抗拉力）

INCREASED-SAFETY OVERBRAIDED FLEXIBLE CONDUITS (Interlocked)



- (一) 雙扣可撓性結構。
- (二) 彎曲度佳。
- (三) 重負荷耐抗拉。
- (四) 內管鍍鋅鐵皮製成，外層加織不鏽鋼絲，不具防水功能。
- (五) 適用於機械電機、較高溫空間及長距離重負荷之電氣配管。
- (六) 可用於機器操作盤之承吊配管(雙扣不脫節)。

- (1) Interlock structure.
- (2) With great camber.
- (3) Heavy carrying capacity and great tensile.
- (4) The inner conduit is made of iron metal with zinc plating, and the out layer with stainless steel wire, with no anti water function.
- (5) Apply to electrical conduit for machine motor, high temperature space, and long travel route and heavy carrying capacity.
- (6) Apply to bearing tube of machine operation plate. (double ring disjont).



TYPE-NT506

型號 Catalog No.	規格 Nominal Size	內徑I.D.(mm) 最小 Min. 最大 Max.		外徑O.D.(mm) 最小 Min. 最大 Max.		彎曲半徑 Bending Radius(mm)	包裝長度 Length (M/coil)	重量 Weight (kg/M)	才積 M'ment (cuft)
ANT50600300000	3/8"	12.3	12.8	16.4	17.2	60	50	0.35	1.08
ANT50600400000	1/2"	15.8	16.3	19.6	20.6	80	50	0.40	1.52
ANT50600600000	3/4"	20.8	21.3	24.7	25.5	100	50	0.52	1.49
ANT50601000000	1"	26.3	26.8	30.2	30.8	130	40	0.67	2.12
ANT50601200000	1 1/4"	34.9	35.3	40.2	41.3	160	20	1.01	2.99
ANT50601400000	1 1/2"	39.9	40.3	46.3	46.9	175	20	1.24	3.59
ANT50602000000	2"	51.4	51.8	57.8	58.8	200	15	1.55	4.11
ANT50602400000	2 1/2"	63.4	63.8	69.4	70.4	250	10	1.95	3.40
ANT50603000000	3"	78.4	78.8	84.5	85.5	300	10	2.34	4.92
ANT50604000000	4"	101.4	102.4	108.6	109.6	490	5	4.18	8.02

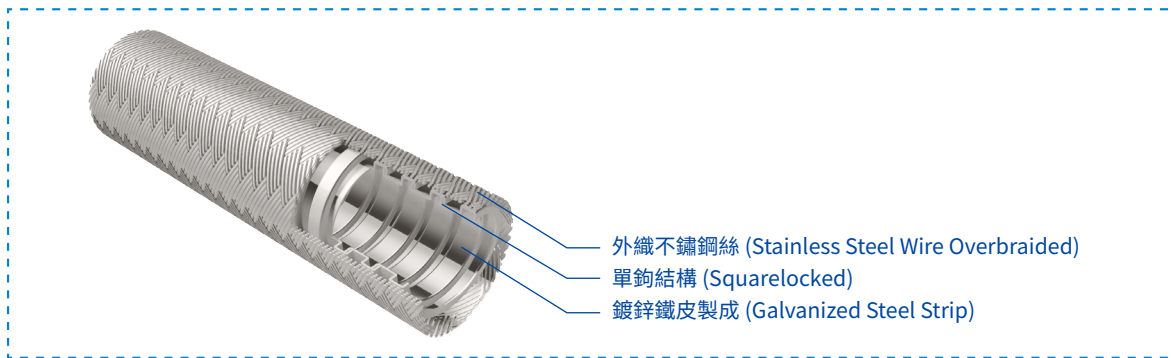
增安配電軟管（輕軟型）

INCREASED-SAFETY OVERBRAIDED FLEXIBLE CONDUITS (Squarelocked)



- (一) 輕軟可撓性結構。
- (二) 彎曲弧度小。
- (三) 內管鍍鋅鐵皮製成，外層加織不鏽鋼絲，不具防水功能。
- (四) 適用於機械電機或較高溫空間之電氣配管。

- (1) Squarelock structure.
- (2) Small bending radian.
- (3) The inner conduit is made of iron metal with zinc plating, and the out layer with stainless steel wire, without waterproof function.
- (4) Apply to electrical conduit for machine motor, high temperature space.



TYPE-NT707

型號 Catalog No.	規格 Nominal Size	內徑I.D.(mm)		外徑O.D.(mm)		彎曲半徑 Bending Radius (mm)	包裝長度 Length (M/coil)	重量 Weight (kg/M)	才積 M'ment (cuft)
		最小 Min.	最大 Max.	最小 Min.	最大 Max.				
ANT70700300000	3/8"	12.3	12.7	16.8	17.4	40	50	0.28	1.07
ANT70700400000	1/2"	15.8	16.2	19.8	20.4	45	50	0.34	1.54
ANT70700600000	3/4"	20.8	21.2	25.4	26.1	50	50	0.42	2.30
ANT70701000000	1"	25.8	26.3	31.9	32.6	65	50	0.55	3.38
ANT70701200000	1 1/4"	34.8	35.3	41.9	42.6	75	30	0.84	3.00
ANT70701400000	1 1/2"	39.8	40.3	47.2	47.9	105	30	1.05	3.72
ANT70702000000	2"	50.8	51.3	58.5	59.2	130	20	1.24	4.22
ANT70702400000	2 1/2"	61.8	62.3	71.1	71.8	155	10	1.72	2.66
ANT70703000000	3"	77.8	78.3	86.4	87.2	205	10	2.19	3.21
ANT70704000000	4"	100.8	101.3	110.4	111.4	265	5	3.08	5.27

防水增安配電軟管（抗拉力）

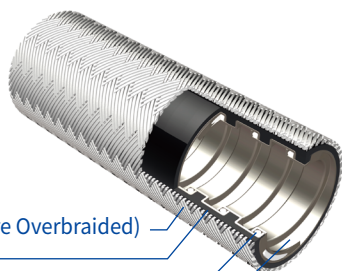
LIQUID-TIGHT INCREASED-SAFETY OVERBRAIDED FLEXIBLE CONDUITS (Interlocked)



- (一) NK706 (3/8"~1") 內炭化纖紗可撓性結構。
- (二) NK506 (3/8"~4") 雙扣可撓性結構。
- (三) 彎曲度佳、防護等級IP68。
- (四) 重負荷耐抗拉。
- (五) 內管鍍鋅鐵皮製成，外層加織不鏽鋼絲，夾層被覆PVC，具防水防塵防鐵屑的功能。
- (六) 適用於切削工具機之防水防屑之電線保護，潮濕區域及長距離重負荷之電氣配管。
- (七) 可用於機器操作盤之承吊配管（雙扣不脫節）。

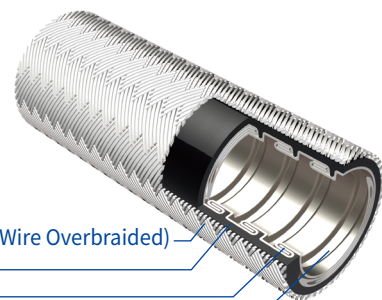
- (1) NK706 (3/8"~1") Chemical fiber yarn embedded, and repellency design.
- (2) NK506 (3/8"~4") interlock design.
- (3) With great camber, Protection degree IP68.
- (4) Heavy carrying capacity and great tensile.
- (5) Inner conduit is made of iron metal with zinc plating, and out layer with stainless steel wire, and interlayer covered with PVC, with the function to anti water, dust, and iron scrap.
- (6) Apply to the electrical conduit for cutting tools, humid area, and heavy carrying capacity and long travel route movement.
- (7) Apply to bearing tube of machine operation plate (double ring disjoint).

TYPE-NK706 (3/8"~ 1")



- 外織不鏽鋼絲 (Stainless Steel Wire Overbraided)
- PVC被覆 (PVC Sheath)
- 炭化纖紗結構 (Cord Yarn Scal)
- 鍍鋅鐵皮製成 (Galvanized Steel Strip)

TYPE-NK506 (3/8"~ 4")



- 外織不鏽鋼絲 (Stainless Steel Wire Overbraided)
- PVC被覆 (PVC Sheath)
- 雙扣抗拉結構 (Interlocked)
- 鍍鋅鐵皮製成 (Galvanized Steel Strip)

NK706 (3/8"~ 1")

型號 Catalog No.	規格 Nominal Size	內徑I.D.(mm)		外徑O.D.(mm)		彎曲半徑 Bending Radius (mm)	包裝長度 Length (M/coil)	重量 Weight (kg/M)	才積 M'ment (cuft)
		最小 Min.	最大 Max.	最小 Min.	最大 Max.				
ANK7060300000	3/8"	12.3	12.8	18.9	19.4	80	50	0.37	1.13
ANK7060400000	1/2"	15.8	16.3	22.3	22.8	100	50	0.45	1.60
ANK7060600000	3/4"	20.8	21.3	27.6	28.1	130	30	0.58	1.58
ANK7061000000	1"	26.3	26.8	34.1	34.8	170	30	0.89	2.25

NK506 (3/8"~ 4")

型號 Catalog No.	規格 Nominal Size	內徑I.D.(mm)		外徑O.D.(mm)		彎曲半徑 Bending Radius (mm)	包裝長度 Length (M/coil)	重量 Weight (kg/M)	才積 M'ment (cuft)
		最小 Min.	最大 Max.	最小 Min.	最大 Max.				
ANK5060300000	3/8"	12.3	12.8	18.9	19.4	95	50	0.46	1.17
ANK5060400000	1/2"	15.8	16.3	22.3	22.8	120	50	0.55	1.65
ANK5060600000	3/4"	20.8	21.3	27.6	28.1	150	30	0.67	1.63
ANK5061000000	1"	26.3	26.8	34.1	34.8	195	30	0.95	2.30
ANK5061200000	1 1/4"	34.9	35.3	43.3	44.0	220	20	1.25	3.22
ANK5061400000	1 1/2"	39.9	40.3	49.4	50.1	260	20	1.82	3.85
ANK5062000000	2"	51.4	51.8	61.6	62.1	300	15	2.23	4.41
ANK5062400000	2 1/2"	63.4	63.8	73.4	74.2	360	10	2.65	3.64
ANK5063000000	3"	78.4	78.8	90.1	90.9	510	10	3.88	5.23
ANK5064000000	4"	101.4	102.4	115.2	116.2	690	5	5.20	8.50

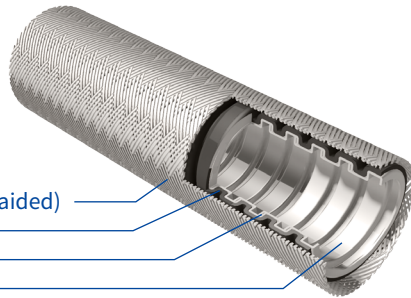
防水增安配電軟管 (輕軟型)

LIQUID-TIGHT INCREASED-SAFETY OVERBRAIDED FLEXIBLE CONDUITS (Squarelocked)



- (一) 輕軟可撓性結構。
- (二) 彎曲弧度小、防護等級IP68。
- (三) 內管鍍鋅鐵皮製成，外層加織不鏽鋼絲，夾層被覆PVC，具防水防塵防鐵屑的功能。
- (四) 適用於切削工具機，防水防屑之電線保護，及潮濕區域之電氣配管。

- (1) Squarelock structure.
- (2) With small camber, Protection degree IP68.
- (3) Inner conduit is made of iron metal with zinc plating, and out layer with stainless steel wire, and interlayer covered with PVC, with the function to anti water, dust, and iron scrap.
- (4) Apply to the electrical conduit for cutting tools, humid area.



外織不鏽鋼絲 (Stainless Steel Wire Overbraided)
 PVC被覆 (PVC Sheath)
 單鉤結構 (Squarelocked)
 鍍鋅鐵皮製成 (Galvanized Steel Strip)

TYPE-NK707

型號 Catalog No.	規格 Nominal Size	內徑I.D.(mm)		外徑O.D.(mm)		彎曲半徑 Bending Radius (mm)	包裝長度 Length (M/coil)	重量 Weight (kg/M)	才積 M'ment (cuft)
		最小 Min.	最大 Max.	最小 Min.	最大 Max.				
ANK70700300000	3/8"	12.3	12.7	17.7	18.4	55	50	0.27	1.12
ANK70700400000	1/2"	15.8	16.2	20.9	21.8	65	50	0.36	1.60
ANK70700600000	3/4"	20.8	21.2	26.7	27.6	75	50	0.46	2.37
ANK70701000000	1"	25.8	26.3	33.0	34.0	105	50	0.58	2.34
ANK70701200000	1 1/4"	34.8	35.3	42.8	43.8	125	30	0.88	3.07
ANK70701400000	1 1/2"	39.8	40.3	47.6	48.6	145	30	1.08	3.82
ANK70702000000	2"	50.8	51.3	59.3	60.1	180	20	1.26	4.31
ANK70702400000	2 1/2"	61.8	62.3	71.4	72.6	240	10	2.08	2.74
ANK70703000000	3"	77.8	78.3	89.2	90.0	290	10	2.59	3.31
ANK70704000000	4"	100.8	101.3	113.6	114.6	350	5	3.54	5.42

UL 防水配電軟管

UL TYPE LIQUID-TIGHT FLEXIBLE CONDUITS

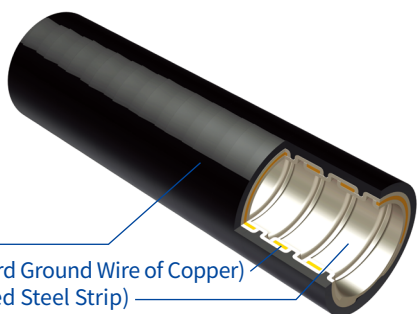
遵照美國UL-360標準。 In accordance with American UL-360 standard.
美國UL認證登錄：E241290。 US UL (Underwriters Laboratories) certified, NO : E241290.



- (一) 高抗拉力可撓性結構，彎曲度佳。
- (二) 工作耐溫範圍：-15°C~105°C、防護等級IP68。
- (三) 內管鍍鋅鐵皮製成，外層被覆耐韌性、耐燃燒聚乙烯(軟質PVC)，具防水防塵功能。
- (四) PT705 (3/8"~ 1 1/4") 內管嵌入連續接地銅絲。
- (五) 遵照國際電工法規351節，PT705 (1 1/2"~ 4") 施工時管外須另配繫一接地電纜。
- (六) 適用於UL規範之電氣設備，檢測儀器，工業電氣及五金工件之管線保護。
- (七) 適用於重工機電、石油化工、塑化廠房，運輸電力及船舶製造等之電氣配管。

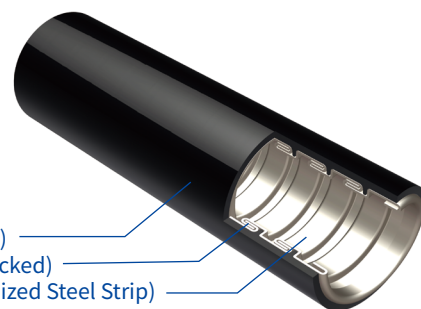
- (1) Great tensile performance, great camber.
- (2) Thermal resistance range:-15°C~105°C, Protection degree IP68.
- (3) Inner conduit is made of iron metal with zinc plating, out layer is covered with PVC, with of waterproof and dust proof.
- (4) PT705 (3/8"~ 1 1/4") Inner conduit with copper earth wire.
- (5) According to IEC Section 351, the conduit must be additionally attached with one grounding cable when PT705 (1 1/2"~ 4") is constructed.
- (6) Apply to conduit protection of electrical equipment under UL standard, detection instrument, industrial equipment and hardware work piece.
- (7) Apply to electrical conduit for heavy industrial machine motor, petrified and chemical machine, plastic manufacturing building, power transformer and ship manufacturing.

TYPE-PT705 (3/8" ~ 1 1/4")



PVC被覆 (PVC Sheath)
嵌入接地用銅絲結構 (Cord Ground Wire of Copper)
鍍鋅鐵皮製成 (Galvanized Steel Strip)

TYPE-PT705 (1 1/2" ~ 4")



PVC被覆 (PVC Sheath)
雙扣抗拉結構 (Interlocked)
鍍鋅鐵皮製成 (Galvanized Steel Strip)

PT705 (3/8" ~ 1 1/4")

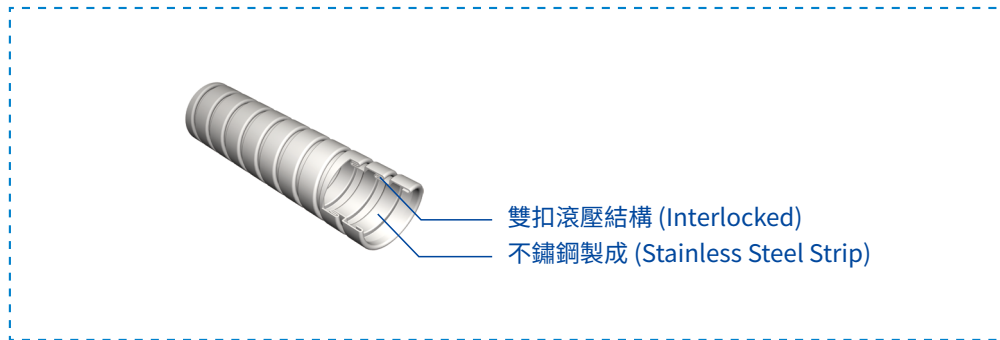
型號 Catalog No.	規格 Nominal Size	內徑I.D.(mm)		外徑O.D.(mm)		彎曲半徑 Bending Radius(mm)	包裝長度 Length (M/coil)	重量 Weight (kg/M)	才積 M' ment (cuft)
		最小 Min.	最大 Max.	最小 Min.	最大 Max.				
APT70500300000	3/8"	12.29	12.80	17.5	18.0	85	30	0.41	1.23
APT70500400000	1/2"	15.80	16.31	20.8	21.3	95	30	0.52	1.43
APT70500600000	3/4"	20.83	21.34	25.2	26.7	125	30	0.67	1.47
APT70501000000	1"	26.44	27.08	32.8	33.4	185	20	1.12	1.98
APT70501200000	1 1/4"	35.05	35.81	41.4	42.2	230	20	1.37	3.09

PT705 (1 1/2" ~ 4")

型號 Catalog No.	規格 Nominal Size	內徑I.D.(mm)		外徑O.D.(mm)		彎曲半徑 Bending Radius(mm)	包裝長度 Length (M/coil)	重量 Weight (kg/M)	才積 M' ment (cuft)
		最小 Min.	最大 Max.	最小 Min.	最大 Max.				
APT70501400000	1 1/2"	40.10	40.64	47.4	48.3	260	20	1.73	3.71
APT70502000000	2"	51.31	51.94	59.4	60.3	320	15	1.95	4.28
APT70502400000	2 1/2"	62.99	63.63	72.1	73.0	420	10	3.00	3.54
APT70503000000	3"	77.98	78.74	87.9	88.9	500	10	4.70	5.12
APT70504000000	4"	101.60	102.62	113.3	114.3	670	5	6.35	8.34

不鏽鋼導水軟管

STAINLESS STEEL POURING SPOUT TUBES



- (一) 不鏽鋼鐵皮(SUS 304)製成可撓性結構。
- (二) 可左右彎曲，固定性極佳。
- (三) 雙扣滾壓成型，於3Kg/cm²工作壓力間，不洩水氣。
【測試長度：300mm，測試規格：ø10、ø11、ø13】
- (四) 適用於濾水器、飲水機、衛浴器材等之導向送水。

- (1) Be made of stainless steel iron metal (SUS 304), with repellency structure.
- (2) Be able to left and right bending, with great fixity.
- (3) Be made of double ring roll extrusion under 3Kg/cm² pressure space, without hydrosphere.
(Test length : 300mm, test specification : ø10、ø11、ø13)
- (4) Apply to water distribution for water purifier, water fountain, and bathroom.



使用例 (Application example)

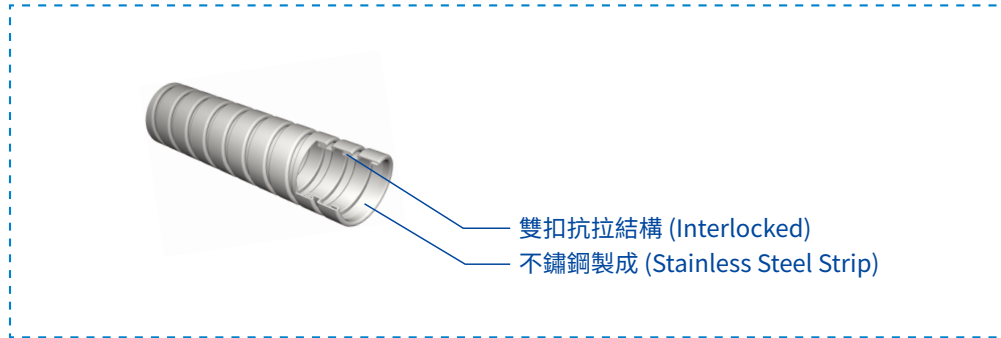
TYPE-RT103

型號 Catalog No.	規格 Nominal Size	內徑 I.D. (mm)	外徑 O.D. (mm)	彎曲半徑 Bending radius (mm)	重量 Weight (g/M)
ART10300075000	7.5	5.5	7.5	45.0	95
ART10300080000	8.0	6.0	8.0	45.0	100
ART10300100000	10.0	8.0	10.0	45.0	120
ART10300110000	11.0	9.0	11.0	45.0	145
ART10300130000	13.0	10.5	13.0	70.0	200
ART10300172000	17.2	14.7	17.2	85.0	275
ART10300185000	18.5	16.0	18.5	100.0	300
ART10300218000	21.8	19.2	21.8	130.0	360
ART10300243000	24.3	22.0	24.3	140.0	415

■ 內、外徑公差(Approx) : ±0.2mm

不鏽鋼配線軟管（抗拉雙扣型）

STAINLESS STEEL ARMORED CORD (Interlocked)



- (一) 不鏽鋼鐵皮 (SUS 304) 製成雙扣可撓性結構。
- (二) 適用於公共電話機，電子電源，工業儀表，光電光纖，光學量尺及檢測儀器之管線保護。

- (1) Be made of stainless steel iron metal (SUS 304), interlock structure.
- (2) Apply to electrical tube protection for public telephone, electrical power, industrial instrument, opto electrical and optical fiber, optical measurement, and detecting instrument.



使用例（Application example）

TYPE-AT503

型號 Catalog No.	規格 Nominal Size	內徑 I.D. (mm)		外徑 O.D. (mm)		彎曲半徑 Bending radius (mm)	拉力測試 Pull test (kgf)	重量 Weight (g/M)
		最小 Min	最大 Max	最小 Min	最大 Max			
AAT50300067000	6.7	4.5	4.7	6.6	6.8	22.0	100~	71.5
AAT50300077000	7.7	5.5	5.7	7.6	7.8	29.0	120~	92.5
AAT50300080000	8.0	5.4	5.6	7.9	8.1	32.0	150~	96.0
AAT50300084000	8.4	5.8	6.0	8.3	8.5	35.0	170~	112.5
AAT50300104000	10.4	8.2	8.4	10.3	10.5	42.0	130~	125.0
AAT50300125000	12.5	9.8	10.2	12.3	12.7	55.0	150~	150.0
AAT50300180000	18.0	15.3	15.7	17.8	18.2	82.0	200~	309.0

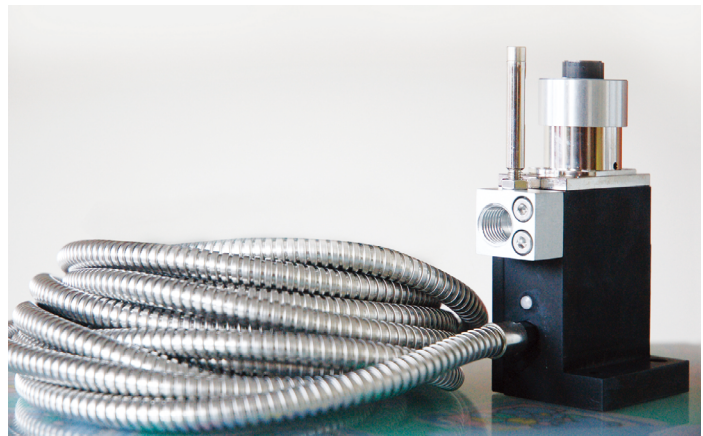
不鏽鋼配線軟管 (輕軟單鉤型)

STAINLESS STEEL ARMORED CORD (Squarelocked)



- (一) 不鏽鋼鐵皮 (SUS 304) 製成輕軟可撓性結構。
- (二) 適用於電子電源，工業儀表，光學量尺及檢測儀器之管線保護。

- (1) Be made of stainless steel iron metal (SUS 304) with squarelock structure.
- (2) Apply to electrical tube protection for electrical power, industrial instrument, opto electrical and optical fiber, optical measurement, and detecting instrument.



使用例 (Application example)

TYPE-AT703

型號 Catalog No.	規格 Nominal Size	內徑 I.D. (mm)	外徑 O.D. (mm)	彎曲半徑 Bending Radius (mm)	包裝長度 Length (M/coil)	重量 Weight (g/M)
AAT70300060000	6.0	3.7	6.0	14.0	100	24.0
AAT70300065000	6.5	4.2	6.5	15.0	100	30.0
AAT70300070000	7.0	4.7	7.0	16.0	100	35.0
AAT70300075000	7.5	5.2	7.5	16.0	100	40.0
AAT70300080000	8.0	5.7	8.0	18.0	100	44.0
AAT70300085000	8.5	6.2	8.5	20.0	100	46.0
AAT70300090000	9.0	6.7	9.0	20.0	100	49.0
AAT70300095000	9.5	7.2	9.5	20.0	100	54.0
AAT70300110000	11.0	8.2	11.0	25.0	50	56.0
AAT70300130000	13.0	10.2	13.0	30.0	50	67.0

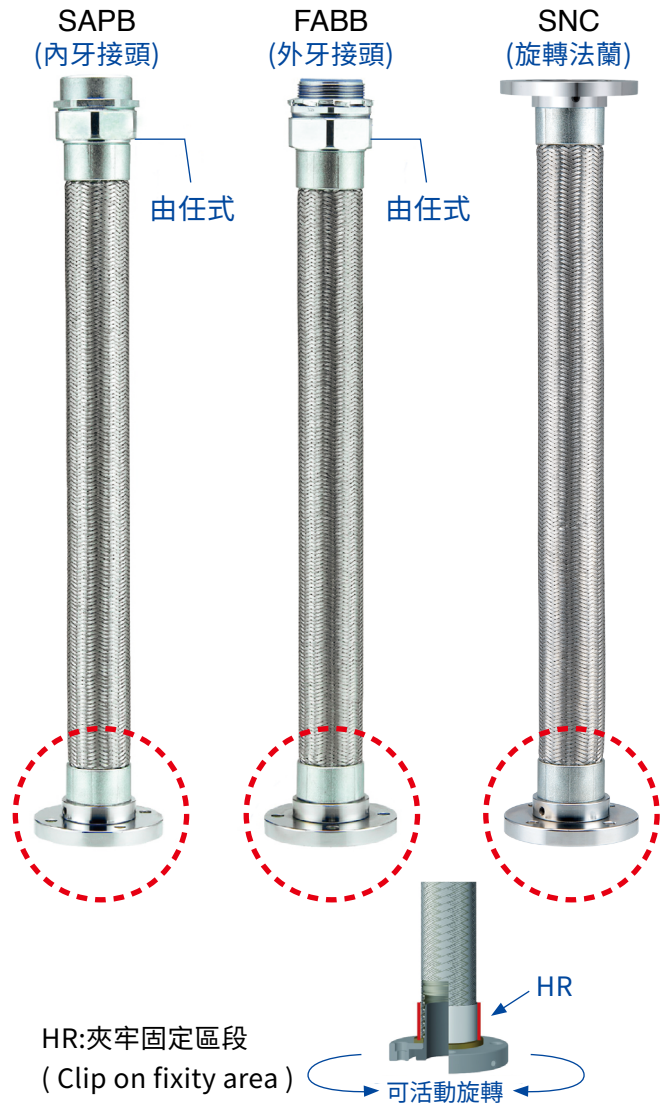
- * 該款不鏽鋼軟管有提供 3/8"~1" 規格。
- * This stainless steel hose is available in 3/8"~1" specifications.
- 內、外徑公差(Approx) : ±0.2mm

旋轉法蘭（適用於承吊工具機操作盤）

TURNING FLANGE (For machine tools operative plate)

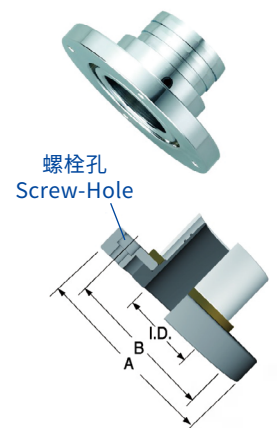


使用例 (Application example)

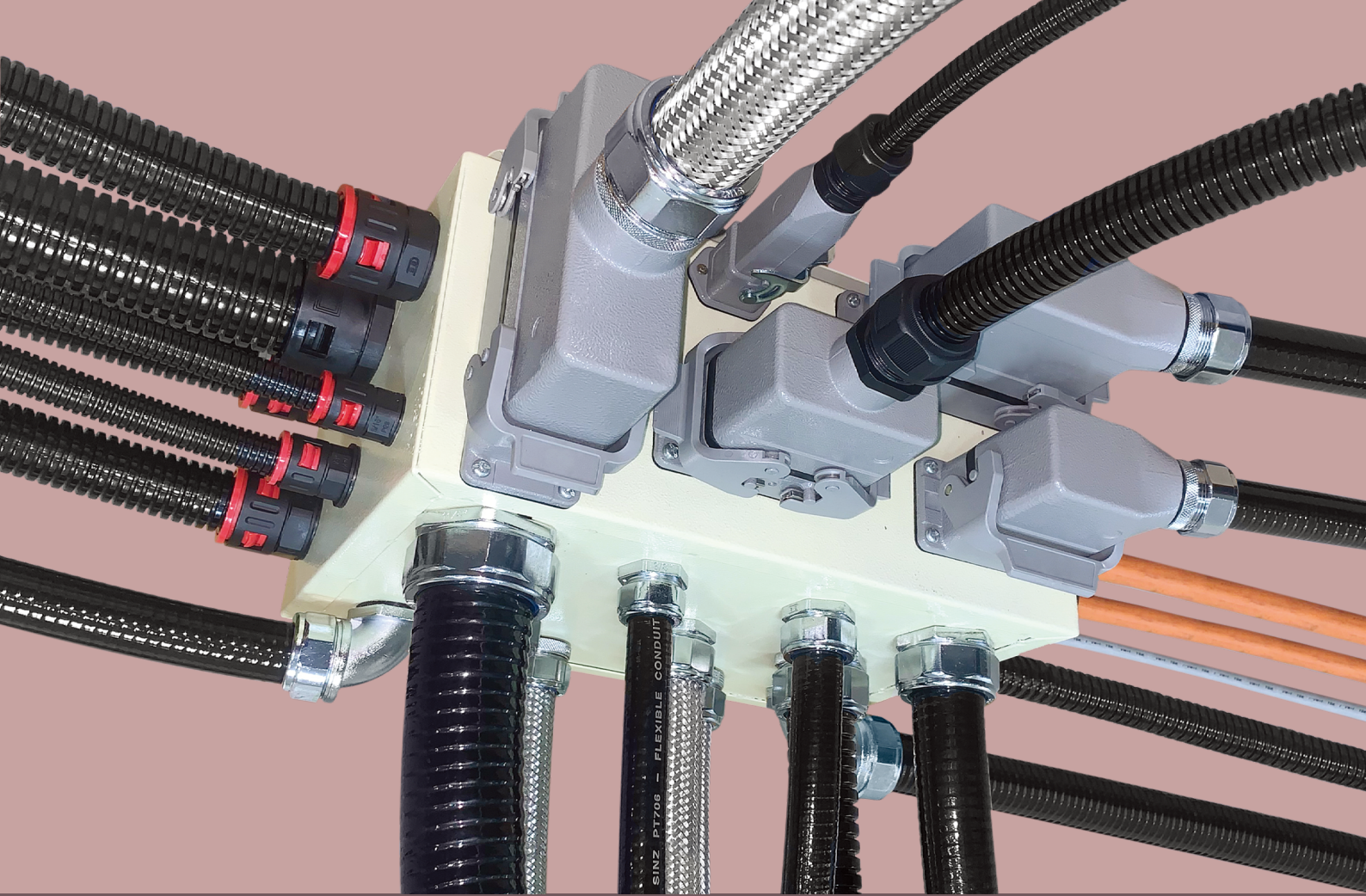


TYPE-SNC

型號	規格	尺寸			螺栓
Catalog No.	Nominal Size	I.D.	A	B	Screw-in
A0SNC001400000	1 1/2"	36.0	100	80	M6 X 4
A0SNC002000000	2"	47.0	120	95	M6 X 4
A0SNC002400000	2 1/2"	59.0	140	120	M6 X 4
A0SNC003000000	3"	74.0	165	140	M6 X 4
A0SNC004000000	4"	98.0	185	160	M6 X 4



- 法蘭可活動旋轉350度。
- 旋轉法蘭係配用抗拉力軟管 (NT506、NK506)製成。
- 抗拉力軟管 (NT506、NK506)可承重量400kgf。
- Flange is able to whirl 350 degree.
- Turning flange is made of anti tensible soft flexible conduits (NT506、NK506).
- Anti tensile flexible conduits (NT506、NK506) is able to bearing a weight of 400kgf.



CONNECTORS SERIES

接 頭 系 列

CE RoHS

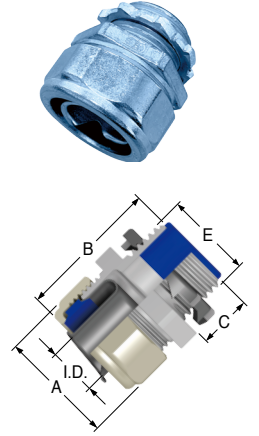


防水盒接頭

LIQUID-TIGHT CONNECTORS

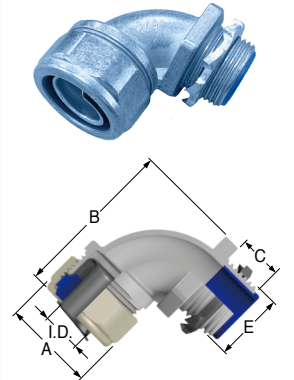
TYPE-FABB (Straight)

型號 Catalog No.	規格 Nominal Size	I.D.	尺寸 Dimension (mm)				牙規格 Thread	包裝 數量 pcs/bag	重量 Weight (g/pc)
			A	B	C	E			
AFABB00300000	3/8"	11.3	27.5	33.5	12.5	20.9	PF1/2"	50	42
AFABB00400000	1/2"	14.8	32.8	33.5	12.5	20.9	PF1/2"	50	53
AFABB00600000	3/4"	19.4	39.2	40.0	15.5	26.4	PF3/4"	50	84
AFABB001000000	1"	25.0	46.6	43.5	16.5	33.2	PF1"	50	124
AFABB001200000	1 1/4"	33.5	56.0	44.5	17.0	41.9	PF1 1/4"	10	174
AFABB001400000	1 1/2"	38.5	63.0	53.0	20.5	47.8	PF1 1/2"	10	244
AFABB002000000	2"	49.5	77.0	58.0	21.5	59.6	PF2"	10	358
AFABB002400000	2 1/2"	60.0	103.5	95.5	26.5	75.2	PF2 1/2"	-	1360
AFABB003000000	3"	75.0	121.0	101.0	23.0	87.9	PF3"	-	1940
AFABB004000000	4"	98.0	159.0	115.0	30.5	113.0	PF4"	-	3250



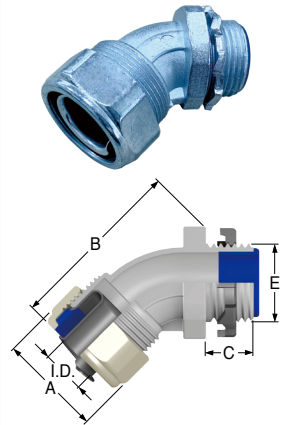
TYPE-FABL (90° Angle)

型號 Catalog No.	規格 Nominal Size	I.D.	尺寸 Dimension (mm)				牙規格 Thread	包裝 數量 pcs/bag	重量 Weight (g/pc)
			A	B	C	E			
AFABL003000000	3/8"	11.3	27.5	47.5	12.5	20.9	PF1/2"	50	62
AFABL004000000	1/2"	14.8	32.8	51.0	12.5	20.9	PF1/2"	50	79
AFABL006000000	3/4"	19.4	39.2	61.0	15.5	26.4	PF3/4"	50	129
AFABL001000000	1"	25.0	46.6	70.0	16.5	33.2	PF1"	25	194
AFABL001200000	1 1/4"	33.5	56.0	81.0	17.0	41.9	PF1 1/4"	10	272
AFABL001400000	1 1/2"	38.5	63.0	91.0	20.5	47.8	PF1 1/2"	10	379
AFABL002000000	2"	49.5	77.0	111.5	21.5	59.6	PF2"	10	554
AFABL002400000	2 1/2"	60.0	103.5	212.8	25.5	75.2	PF2 1/2"	-	2810
AFABL003000000	3"	75.0	121.0	244.4	26.0	87.9	PF3"	-	3520
AFABL004000000	4"	98.0	159.0	319.0	34.0	113.0	PF4"	-	6830



TYPE-FABK (45° Angle)

型號 Catalog No.	規格 Nominal Size	I.D.	尺寸 Dimension (mm)				牙規格 Thread	包裝 數量 pcs/bag	重量 Weight (g/pc)
			A	B	C	E			
AFABK003000000	3/8"	11.3	27.5	47.0	12.5	20.9	PF1/2"	50	56
AFABK004000000	1/2"	14.8	31.8	47.0	12.5	20.9	PF1/2"	50	68
AFABK006000000	3/4"	19.4	38.0	56.5	13.5	26.4	PF3/4"	50	107
AFABK001000000	1"	25.0	45.0	66.5	15.0	33.2	PF1"	25	156
AFABK001200000	1 1/4"	33.0	56.5	73.0	16.0	41.9	PF1 1/4"	10	235
AFABK001400000	1 1/2"	38.5	63.0	84.0	16.5	47.8	PF1 1/2"	10	311
AFABK002000000	2"	48.5	77.0	100.0	18.0	59.6	PF2"	10	506
AFABK002400000	2 1/2"	61.0	95.0	108.0	23.0	75.2	PF2 1/2"	-	982
AFABK003000000	3"	75.0	107.5	127.0	24.5	87.9	PF3"	-	1336
AFABK004000000	4"	98.0	159.0	223.5	30.5	113.0	PF4"	-	5610



- 材 質：鋅合金。
- 牙規格：PF牙。
- 表面電鍍：鍍 (FABX)、鍍鎳 (FNBX)。
- 製作範例：遵照美國UL規範。
- 防護等級IP66。
- 上列金屬接頭配合金屬軟管使用。

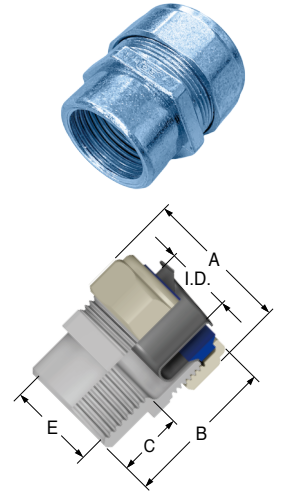
- Material : Zinc alloy.
- Thread specification : PF.
- Surface-plated : Zine (FABX), Nnickle (FNBX).
- Production example : According to US UL standard.
- Protection degree : IP66.
- The connectors suitable for flexible conduits.

防水管接頭

COMBINATION CONNECTORS

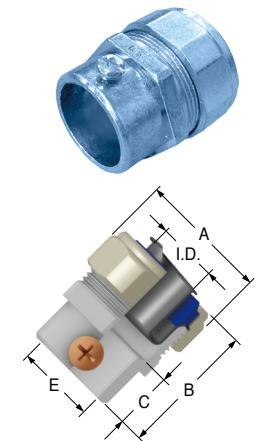
TYPE-SAPB

型號 Catalog No.	規格 Nominal Size	尺寸 Dimension (mm)					牙規格 Thread	包裝 數量 pcs/bag	重量 Weight (g/pc)
		I.D.	A	B	C	E			
ASAPB00300000	3/8"	11.3	27.5	33.5	18.5	19.4	PF1/2"	50	45
ASAPB00400000	1/2"	14.8	32.8	34.5	19.5	19.4	PF1/2"	50	55
ASAPB00600000	3/4"	19.4	39.2	42.0	20.0	24.5	PF3/4"	50	88
ASAPB00100000	1"	25.0	46.6	45.0	21.5	30.8	PF1"	50	122
ASAPB00120000	1 1/4"	33.5	56.0	48.5	24.5	39.2	PF1 1/4"	10	162
ASAPB00140000	1 1/2"	38.5	63.0	53.0	26.5	45.4	PF1 1/2"	10	232
ASAPB00200000	2"	49.5	77.0	61.3	28.5	56.8	PF2"	10	341
ASAPB00240000	2 1/2"	60.0	103.5	88.0	33.0	73.3	PF2 1/2"	-	1190
ASAPB00300000	3"	75.0	121.0	103.0	39.0	86.2	PF3"	-	1720
ASAPB00400000	4"	98.0	159.0	112.5	45.0	111.5	PF4"	-	2900



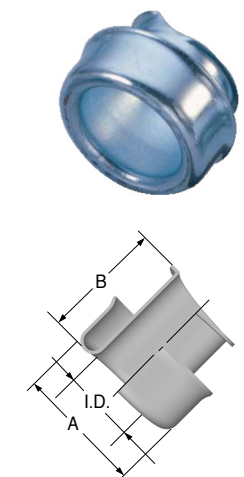
TYPE-SAPE

型號 Catalog No.	規格 Nominal Size	尺寸 Dimension (mm)					包裝 數量 pcs/bag	重量 Weight (g/pc)
		I.D.	A	B	C	E		
ASAPE00300000	3/8"	11.3	27.5	42.0	18.0	16.0	50	52
ASAPE00400000	1/2"	14.8	32.8	34.5	18.5	19.5	50	59
ASAPE00600000	3/4"	19.4	39.2	41.5	19.5	25.8	50	89
ASAPE00100000	1"	25.0	46.6	45.5	21.0	32.0	50	123
ASAPE00120000	1 1/4"	33.5	56.0	43.5	15.0	38.7	10	160
ASAPE00140000	1 1/2"	38.5	63.0	56.0	21.5	51.5	10	233
ASAPE00200000	2"	49.5	77.0	57.5	21.0	64.5	10	341
ASAPE00240000	2 1/2"	60.0	103.5	92.5	34.0	77.0	-	1170
ASAPE00300000	3"	75.0	121.0	104.0	39.0	90.0	-	1640
ASAPE00400000	4"	98.0	139.0	73.5	23.5	116.2	-	1196



TYPE-FAFC

型號 Catalog No.	規格 Nominal size	尺寸 Dimension (mm)		包裝 數量 pcs/bag	重量 Weight (g/pc)	
		I.D.	A			B
AFAFC00300000	3/8"	11.3	19.5	19.2	50	5
AFAFC00400000	1/2"	14.8	23.0	19.2	50	6
AFAFC00600000	3/4"	19.4	28.6	20.2	50	8
AFAFC00100000	1"	25.0	35.5	22.5	50	12
AFAFC00120000	1 1/4"	33.5	44.3	24.0	10	17
AFAFC00140000	1 1/2"	38.5	50.3	30.0	10	24
AFAFC00200000	2"	49.5	63.0	34.5	10	39
AFAFC00240000	2 1/2"	60.0	74.0	42.5	-	64
AFAFC00300000	3"	75.0	91.5	46.0	-	115
AFAFC00400000	4"	98.0	124.5	40.0	-	141

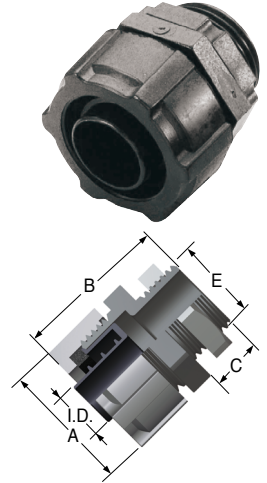


塑鋼防水盒接頭

POLYESTER LIQUID-TIGHT CONNECTORS

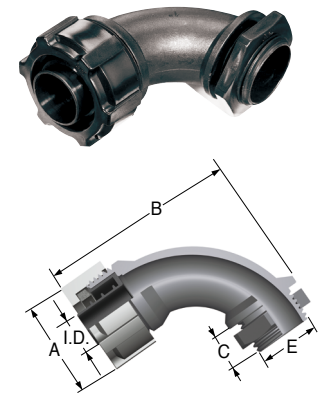
TYPE-PCB (Straight)

型號 Catalog No.	規格 Nominal Size	尺寸 Dimension (mm)					牙規格 Thread	包裝 數量 pcs/bag	重量 Weight (g/pc)
		I.D.	A	B	C	E			
A0PCB00300000	3/8"	11.0	32.5	38.0	13.0	20.9	PF1/2"	50	15.2
A0PCB00400000	1/2"	14.0	36.0	39.3	12.5	20.9	PF1/2"	50	18.0
A0PCB00600000	3/4"	18.2	41.0	41.5	15.0	26.4	PF3/4"	50	23.2
A0PCB001000000	1"	23.1	51.0	47.2	16.0	33.2	PF1"	50	42.4
A0PCB001200000	1 1/4"	32.0	61.5	57.0	18.0	41.9	PF1 1/4"	10	67.4
A0PCB001400000	1 1/2"	38.5	66.5	60.0	18.0	47.8	PF1 1/2"	10	100.8



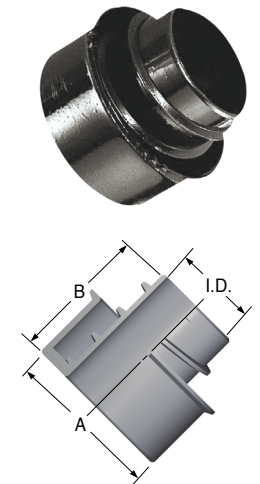
TYPE-PCL (90° Angle)

型號 Catalog No.	規格 Nominal Size	尺寸 Dimension (mm)					牙規格 Thread	包裝 數量 pcs/bag	重量 Weight (g/pc)
		I.D.	A	B	C	E			
A0PCL00300000	3/8"	11.0	32.5	64.2	12.0	20.9	PF1/2"	50	21.0
A0PCL00400000	1/2"	14.0	36.0	67.0	12.0	20.9	PF1/2"	50	24.2
A0PCL00600000	3/4"	18.2	41.0	76.0	15.0	26.4	PF3/4"	50	35.0
A0PCL001000000	1"	23.1	51.0	97.5	16.0	33.2	PF1"	20	63.6
A0PCL001200000	1 1/4"	32.0	61.5	115.0	18.0	41.9	PF1 1/4"	10	96.0



TYPE-PCF

型號 Catalog No.	規格 Nominal Size	尺寸 Dimension (mm)			包裝 數量 pcs/bag	重量 Weight (g/pc)
		I.D.	A	B		
A0PCF00300000	3/8"	11.0	20.6	18.5	50	1.8
A0PCF00400000	1/2"	14.0	24.2	21.0	50	2.4
A0PCF00600000	3/4"	18.2	29.0	24.0	50	3.6
A0PCF001000000	1"	23.1	36.9	30.7	50	7.1
A0PCF001200000	1 1/4"	32.0	46.5	32.0	10	12.8

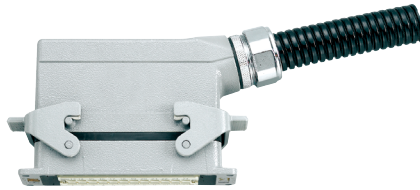


- 上列塑鋼接頭配合金屬軟管使用。
- 防護等級IP66

- The polyester connectors suitable for flexible conduits.
- Protection degree : IP66

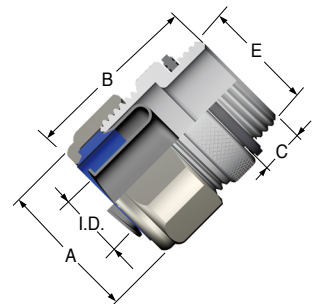
PG牙、M牙金屬接頭

THREAD PG & M CONNECTORS ADAPTER (Metal)



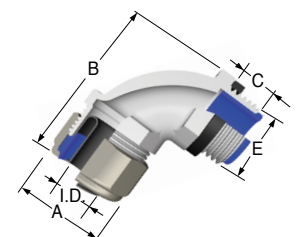
TYPE-MTB (Straight)

型號 Catalog No.	配管規格 Conduit Size	I.D.	尺寸 Dimension (mm)				E	牙規格 Thread	重量 Weight (g/pc)
			A	B	C				
A0MTB000300G07	3/8"	8.0	27.5	32.5	8.0	12.5	PG7	43.8	
A0MTB000300G09	3/8"	10.7	27.5	32.5	8.0	15.2	PG9	45.0	
A0MTB000300G11	3/8"	11.3	27.5	32.5	8.0	18.6	PG11	45.0	
A0MTB000300G13	3/8"	11.3	27.5	32.5	8.0	20.4	PG13.5	47.0	
A0MTB000300G16	3/8"	11.3	27.5	32.5	8.0	22.5	PG16	50.0	
A0MTB000400G13	1/2"	14.8	32.8	34.4	8.0	20.4	PG13.5	61.0	
A0MTB000400G16	1/2"	14.8	32.8	33.2	8.0	22.5	PG16	66.0	
A0MTB000600G16	3/4"	19.4	42.0	38.0	8.0	22.5	PG16	100.0	
A0MTB000600G21	3/4"	19.4	42.0	40.0	10.0	28.3	PG21	88.0	
A0MTB001000G29	1"	25.0	46.6	40.5	10.0	37.0	PG29	130.0	
A0MTB001200G36	1 1/4"	33.5	56.0	41.5	12.0	47.0	PG36	162.0	
A0MTB000300M16	3/8"	11.3	27.5	32.5	8.0	16.0	M16X1.5	43.0	
A0MTB000300M18	3/8"	11.3	27.5	32.5	8.0	18.0	M18X1.5	51.0	
A0MTB000300M20	3/8"	11.3	27.5	32.5	8.0	20.0	M20X1.5	43.0	
A0MTB000300M25	3/8"	11.3	27.5	32.5	8.0	25.0	M25X1.5	51.0	
A0MTB000400M20	1/2"	14.8	32.8	33.2	8.0	20.0	M20X1.5	63.0	
A0MTB000400M25	1/2"	14.8	32.8	34.0	8.0	25.0	M25X1.5	80.0	
A0MTB000600M25	3/4"	19.4	42.0	38.0	8.0	25.0	M25X1.5	97.0	
A0MTB000600M27	3/4"	19.4	42.0	38.0	8.0	27.5	M27.5X1.5	110.0	
A0MTB001000M32	1"	25.0	46.6	41.0	10.0	32.0	M32X1.5	106.8	
A0MTB001200M40	1 1/4"	33.5	56.0	44.5	14.0	40.0	M40X1.5	174.8	



TYPE-MTL (90° Angle)

型號 Catalog No.	配管規格 Conduit Size	I.D.	尺寸 Dimension (mm)				E	牙規格 Thread	重量 Weight (g/pc)
			A	B	C				
A0MTL000300G13	3/8"	11.3	27.5	54.0	9.0	20.4	PG13.5	100.0	
A0MTL000400G13	1/2"	14.8	32.8	55.0	9.0	20.4	PG13.5	133.0	
A0MTL000400G16	1/2"	14.8	32.8	55.0	9.0	22.5	PG16	133.0	
A0MTL000300M20	3/8"	11.3	27.5	48.0	9.0	20.0	M20X1.5	58.8	
A0MTL000400M20	1/2"	14.8	32.8	51.0	9.0	20.0	M20X1.5	78.2	



• 上列接頭配合金屬軟管使用。

• The connectors suitable for flexible conduits.

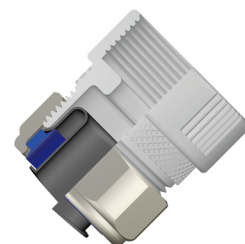
軍規轉接頭 (金屬)

MS-PLUG/CONNECTORS ADAPTER (Metal)



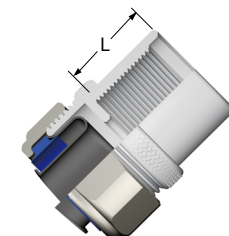
TYPE-MAS

型號 Catalog No.	配管規格 Conduit Size	MS 電源 插座規格		牙規格 Thread
		Same MS-3057	MS-Plus Size	
AOMAS00030004A	3/8"	4A	10SL、12S、12	5/8" X24UNEF
AOMAS00030006A	3/8"	6A	14S、14	3/4" X20UNEF
AOMAS00030008A	3/8"	8A	16S、16	7/8" X20UNEF
AOMAS00030010A	3/8"	10A	18	1" X20UNEF
AOMAS00030012A	3/8"	12A	20、22	1 3/16" X18UNEF
AOMAS00040008A	1/2"	8A	16S、16	7/8" X20UNEF
AOMAS00040010A	1/2"	10A	18	1" X20UNEF
AOMAS00040012A	1/2"	12A	20、22	1 3/16" X18UNEF
AOMAS00040016A	1/2"	16A	24、28	1 7/16" X18UNEF
AOMAS00060012A	3/4"	12A	20、22	1 3/16" X18UNEF
AOMAS00060016A	3/4"	16A	24、28	1 7/16" X18UNEF
AOMAS00100016A	1"	16A	24、28	1 7/16" X18UNEF
AOMAS00100020A	1"	20A	32	1 3/4" X18UNS
AOMAS00100024A	1"	24A	36	2" X18UNS
AOMAS00120020A	1 1/4"	20A	32	1 3/4" X18UNS
AOMAS00140024A	1 1/2"	24A	36	2" X18UNS



TYPE-MBS

型號 Catalog No.	配管規格 Conduit Size	MS 電源 插座規格		牙規格 Thread
		長度 Length	MS-Plus Size	
AOMBS000300M13	3/8"	L=13.0	(JAE)	M13 X 1.0
AOMBS000300M18	3/8"	L=14.0	(DDK)	M18 X 1.0
AOMBS000400M24	1/2"	L=6.0		M24 X 1.25
AOMBS000448M26	1/2"	L=48.0		M26.5 X 1.0

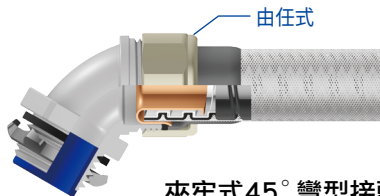
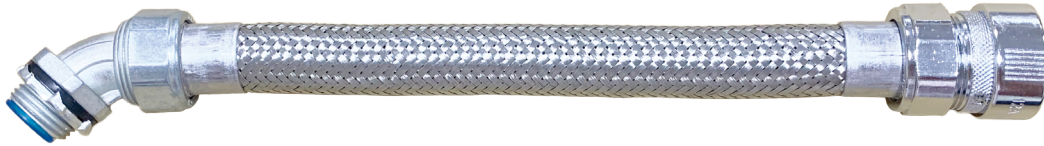


- 上列軍規轉接頭配合金屬軟管使用。
- The connector adapter suitable for flexible conduits.

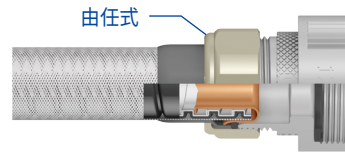
夾牢式防水接頭 (油壓式夾牢不鬆脫)

SQUEEZE LIQUID-TIGHT CONNECTORS (Hydraulic clamp is not loose)

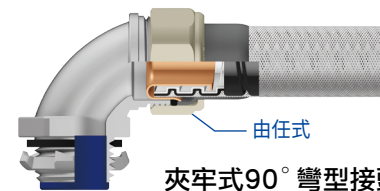
中華民國專利號碼：第M502744號
R.O.C. Patent No. : M502744



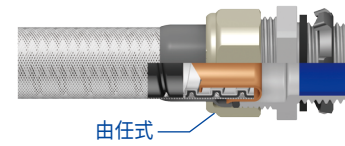
夾牢式45°彎型接頭
(接頭規範同FABK - 目錄54頁)



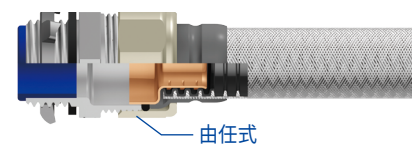
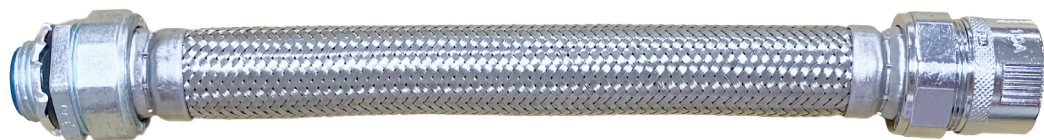
夾牢式軍規轉接頭
(接頭規範同MAS - 目錄58頁)



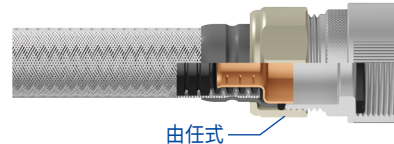
夾牢式90°彎型接頭
(接頭規範同FABL - 目錄54頁)



夾牢式直型接頭
(接頭規範同FABB - 目錄54頁)



夾牢式直型接頭
(接頭規範同FABB - 目錄54頁)



夾牢式軍規轉接頭
(接頭規範同MAS - 目錄58頁)

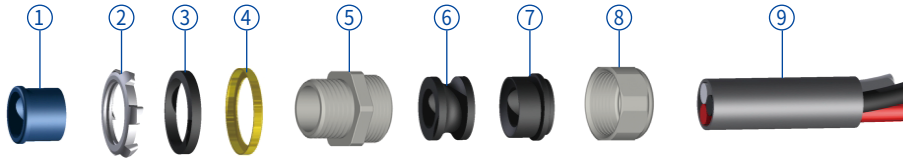
- 牙規格：PF牙、PG牙、M牙及軍規轉接頭。
- 上列夾牢式接頭配合金屬編織軟管及尼龍編織軟管使用。
- Thread specification : PF, PG, M, and MS-Plus connectors adapter.
- The squeeze connectors suitable for flexible conduits and corrugated nylon tubes.

防護等級：(Protection degree:)

NK707 系列：I.P.60	NK707 series: I.P.60
NK706 系列：I.P.66以上	NK706 series: I.P.66 and above
NK506 系列：I.P.66以上	NK506 series: I.P.66 and above
NK206 系列：I.P.68	NK206 series: I.P.68

金屬電纜接頭

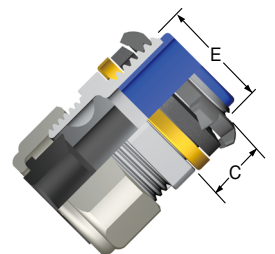
METAL CABLE GLAND



1. 絕緣套 (Insulating liner)
2. 太陽型螺帽 (Lock nut)
3. 油環 (O-Ring)
4. 金屬油環墊片 (Lock nut)
5. 接頭本體 (Body)
6. 束線圈 (Grip seal)
7. 柱形墊 (Busing)
8. 後蓋螺帽 (Cap nut)
9. 電纜線 (Cable)

TYPE-KCB(Straight)

型號 Catalog No.	適用電纜線徑 Suit for cable size (mm)	尺寸 Dimension(mm) C E		牙規格 Thread	包裝數量 pcs/bag	金屬螺帽 Metal nut
A0KCB000095F04	6.5 ~ 9.5	13.0	20.9	PF1/2"	50	有 HAVE
A0KCB000130F04	9.0 ~ 13.0	13.0	20.9	PF1/2"	50	有 HAVE
A0KCB000140F04	11.5 ~ 14.0	13.0	20.9	PF1/2"	50	有 HAVE
A0KCB000190F06	15.5 ~ 19.0	16.0	26.4	PF3/4"	50	有 HAVE
A0KCB000095G09	6.5 ~ 9.5	8.0	15.2	PG9	50	有 HAVE
A0KCB000095G11	6.5 ~ 9.5	8.0	18.6	PG11	50	無 NO
A0KCB000095G13	6.5 ~ 9.5	8.0	20.4	PG13.5	50	無 NO
A0KCB000095G16	6.5 ~ 9.5	8.0	22.5	PG16	50	有 HAVE
A0KCB000130G09	9.0 ~ 13.0	8.0	15.2	PG9	50	有 HAVE
A0KCB000130G11	9.0 ~ 13.0	8.0	18.6	PG11	50	無 NO
A0KCB000130G13	9.0 ~ 13.0	8.0	20.4	PG13.5	50	無 NO
A0KCB000130G16	9.0 ~ 13.0	8.0	22.5	PG16	50	有 HAVE
A0KCB000140G16	11.5 ~ 14.0	8.0	22.5	PG16	50	有 HAVE
A0KCB000190G21	15.5 ~ 19.0	10.0	28.3	PG21	50	有 HAVE
A0KCB000095M16	6.5 ~ 9.5	8.0	16.0	M16X1.5	50	無 NO
A0KCB000095M20	6.5 ~ 9.5	8.0	20.0	M20X1.5	50	有 HAVE
A0KCB000130M16	9.0 ~ 13.0	8.0	16.0	M16X1.5	50	無 NO
A0KCB000130M20	9.0 ~ 13.0	8.0	20.0	M20X1.5	50	有 HAVE
A0KCB000140M20	11.5 ~ 14.0	8.0	20.0	M20X1.5	50	有 HAVE
A0KCB000190M25	15.5 ~ 19.0	8.0	25.0	M25X1.5	50	有 HAVE

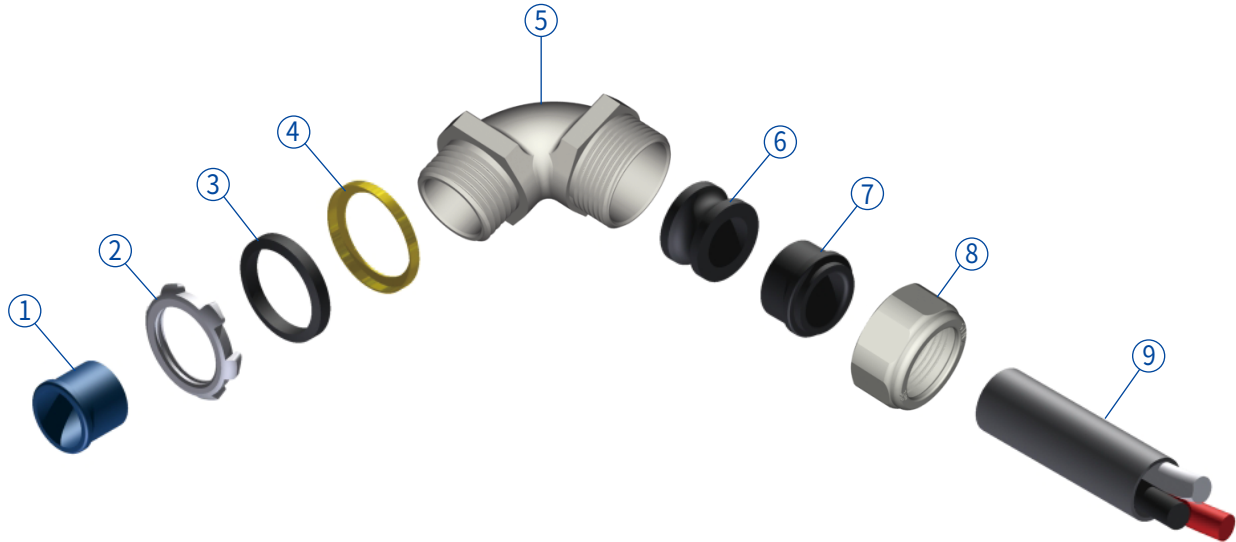


• 防護等級IP68

• Protection degree IP68.

金屬電纜接頭

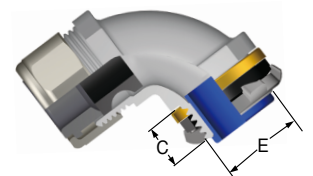
METAL CABLE GLAND



- | | | | |
|--------|--------------------|----------|--------------|
| 1.絕緣套 | (Insulating liner) | 2.太陽型螺帽 | (Lock nut) |
| 3.油環 | (O-Ring) | 4.金屬油環墊片 | (O-Ring cap) |
| 5.接頭本體 | (Body) | 6.束線圈 | (Grip seal) |
| 7.柱形墊 | (Busing) | 8.後蓋螺帽 | (Cap nut) |
| 9.電纜線 | (Cable) | | |

TYPE-KCL(90° Angle)

型號 Catalog No.	適用電纜線徑 Suit for cable size (mm)	尺寸 Dimension(mm)		牙規格 Thread	包裝數量 pcs/bag	金屬螺帽 Metal nut
		C	E			
A0KCL000095F04	6.5 ~ 9.5	13.0	20.9	PF1/2"	50	有 HAVE
A0KCL000130F04	9.0 ~ 13.0	13.0	20.9	PF1/2"	50	有 HAVE
A0KCL000140F04	11.5 ~ 14.0	13.0	20.9	PF1/2"	50	有 HAVE
A0KCL000190F06	15.5 ~ 19.0	16.0	26.4	PF3/4"	50	有 HAVE
A0KCL000095M20	6.5 ~ 9.5	9.0	20.0	M20X1.5	50	有 HAVE
A0KCL000130M20	9.0 ~ 13.0	9.0	20.0	M20X1.5	50	有 HAVE
A0KCL000140M20	11.5 ~ 14.0	9.0	20.0	M20X1.5	50	有 HAVE



• 防護等級IP68

• Protection degree IP68.

塑鋼電纜接頭

POLYESTER CABLE GLAND

中華民國專利號碼：第M460437號
R.O.C. Patent No. : M460437



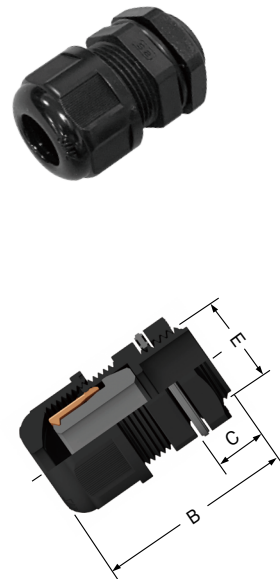
- 1.螺帽 (Nut)
- 2.墊片 (Packing)
- 3.接頭本體 (Body)
- 4.橡膠束管 (Rubber busing)
- 5.夾緊爪 (Claw)
- 6.後蓋螺帽 (Cap nut)
- 7.電纜線 (Cable)

TYPE-KEB (Straight)

型號 Catalog No.	適用電纜線徑 Suit for cable size (mm)	尺寸 Dimension (mm)			牙規格 Thread	包裝 數量 pcs/bag
		B	C	E		
* A0KEB000100F04	6.0 ~ 10.0	44.5	12.0	20.9	PF1/2"	50
* A0KEB000140F04	9.0 ~ 14.0	44.5	12.0	20.9	PF1/2"	50
* A0KEB000140F06	9.0 ~ 14.0	52.0	15.0	26.4	PF3/4"	50
* A0KEB000180F06	13.0 ~ 18.0	51.0	15.0	26.4	PF3/4"	50
A0KEB000250F10	18.0 ~ 25.0	61.5	16.0	33.2	PF1"	10
A0KEB000300F12	24.0 ~ 30.0	65.0	18.0	41.9	PF1 1/4"	10
* A0KEB000410F14	30.0 ~ 41.0	65.5	18.0	47.8	PF1 1/2"	10
A0KEB000510F20	40.0 ~ 51.0	72.5	22.0	59.6	PF2"	10

A0KEB000070G07	4.0 ~ 7.0	39.5	8.0	12.5	PG7	50
* A0KEB000070G09	4.0 ~ 7.0	43.5	10.0	15.2	PG9	50
* A0KEB000100G09	6.0 ~ 10.0	42.5	10.0	15.2	PG9	50
* A0KEB000070G11	4.0 ~ 7.0	43.5	10.0	18.6	PG11	50
* A0KEB000100G11	6.0 ~ 10.0	42.5	10.0	18.6	PG11	50
* A0KEB000070G13	4.0 ~ 7.0	43.5	10.0	20.4	PG13.5	50
* A0KEB000100G13	6.0 ~ 10.0	42.5	10.0	20.4	PG13.5	50
* A0KEB000100G16	6.0 ~ 10.0	44.0	12.0	22.5	PG16	50
* A0KEB000140G16	9.0 ~ 14.0	43.0	12.0	22.5	PG16	50
* A0KEB000140G21	9.0 ~ 14.0	48.0	12.0	28.3	PG21	50
* A0KEB000180G21	13.0 ~ 18.0	47.0	12.0	28.3	PG21	50
* A0KEB000250G29	18.0 ~ 25.0	55.5	12.0	37.0	PG29	10
A0KEB000300G36	24.0 ~ 30.0	57.0	12.0	47.0	PG36	10
* A0KEB000410G36	30.0 ~ 41.0	59.5	12.0	47.0	PG36	10

* A0KEB000070M16	4.0 ~ 7.0	45.5	12.0	16.0	M16X1.5	50
* A0KEB000100M16	6.0 ~ 10.0	44.5	12.0	16.0	M16X1.5	50
* A0KEB000100M16	6.0 ~ 10.0	44.0	12.0	16.0	M16X1.5	50
* A0KEB000100M20	6.0 ~ 10.0	45.5	13.0	20.0	M20X1.5	50
* A0KEB000140M20	9.0 ~ 14.0	45.0	13.0	20.0	M20X1.5	50
* A0KEB000140M25	9.0 ~ 14.0	50.0	13.0	25.0	M25X1.5	50
* A0KEB000180M25	13.0 ~ 18.0	48.5	13.0	25.0	M25X1.5	50
* A0KEB000250M32	18.0 ~ 25.0	57.5	15.0	32.0	M32X1.5	10
A0KEB000300M40	24.0 ~ 30.0	59.5	15.0	40.0	M40X1.5	10
* A0KEB000410M50	30.0 ~ 41.0	62.5	15.0	50.0	M50X1.5	10



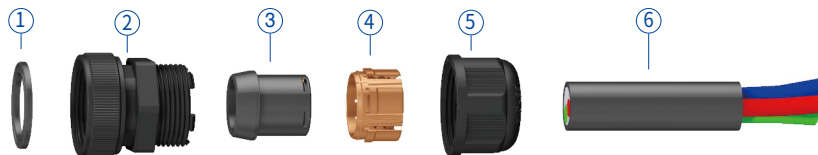
• 防護等級IP68
• (*) 量產

• Protection degree IP68.
• (*) Massive Production

軍規電纜轉接頭 (塑鋼)

MS-PLUG/CONNECTORS ADAPTER (Polyester)

中華民國專利號碼：第M460437號
R.O.C. Patent No. : M460437



1. 墊片 (Packing)
2. 接頭本體 (Body)
3. 橡膠束管 (Rubber busing)
4. 夾緊爪 (Claw)
5. 後蓋螺帽 (Cap nut)
6. 電纜線 (Cable)

TYPE-KES

型號 Catalog No.	適用電纜線徑 Suit for cable size (mm)	MS 電源插座規格		牙規格 Thread	單量 Weight (g/pc)
		Same MS-3057	MS-Plus Size		
A0KES00007010A	4.0 ~ 7.0	10A	18	1"X20UNEF	16.7
A0KES00007012A	4.0 ~ 7.0	12A	20、22	1 3/16"X18UNEF	17.6
A0KES00010010A	6.0 ~ 10.0	10A	18	1"X20UNEF	15.4
A0KES00010012A	6.0 ~ 10.0	12A	20、22	1 3/16"X18UNEF	16.2
A0KES00014010A	9.0 ~ 14.0	10A	18	1"X20UNEF	17.2
A0KES00014012A	9.0 ~ 14.0	12A	20、22	1 3/16"X18UNEF	17.8
A0KES00018016A	13.0 ~ 18.0	16A	24、28	1 7/16"X18UNEF	26.4
A0KES00025016A	18.0 ~ 25.0	16A	24、28	1 7/16"X18UNEF	43.4

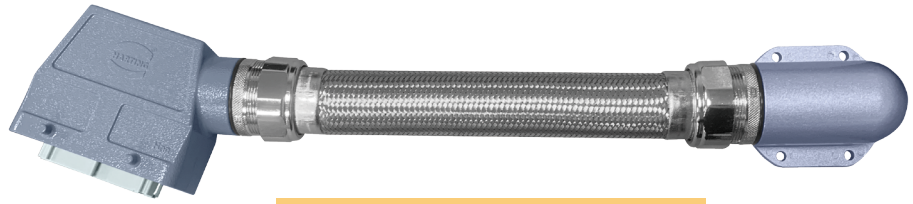


• 防護等級IP68

• Protection degree IP68.

金屬90°角形貼壁出線座

METAL 90° ANGLE-SHAPED WALL-MOUNTED OUTLET SOCKET

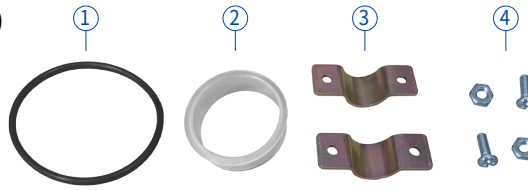


使用例 (Application example)

TYPE-AK01

配件 (Accessories)

1. O型環 (O-ring)
2. 防水套 (Waterproof Case)
3. 管夾 (Pipe clamp)
4. 螺絲和螺帽 (Screws and nuts)

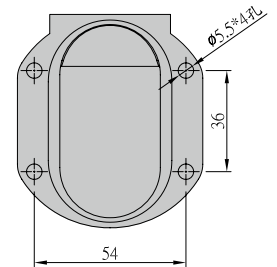
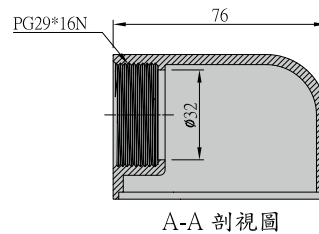
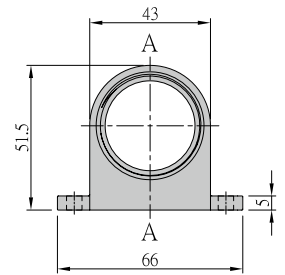


產品特性：

- (一) 鍍鎳鋅合金材質，貼壁90°接頭。
- (二) 可節省安裝空間和高度。
- (三) 增強物理性的保護。
- (四) 廣泛用於四軸及五軸綜合加工機。

Product Features:

- (1) Nickel-plated zinc alloy material, 90° joints attached to the wall.
- (2) Can save installation space and height.
- (3) Enhance physical protection.
- (4) Widely used in four-axis and five-axis comprehensive processing machines.



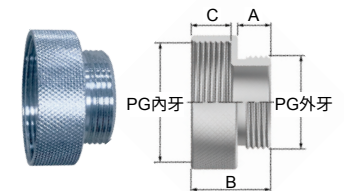
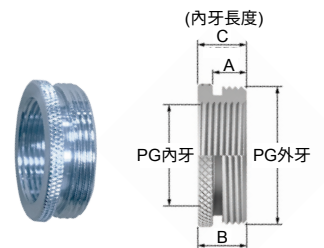
MTR 金屬轉接頭

MTR METAL ADAPTER

TYPE-MTR

型號 Catalog No.	尺寸 Dimension (mm)			PG 內牙 PG inner teeth	PG 外牙 PG externa teeth	重量 Weight (g/pc)
	A	B	C			
A0MTR00G160G21	9.0	13.0	13.0	PG16	PG21	23.4
A0MTR00G210G29	9.0	13.0	13.0	PG21	PG29	41.2
A0MTR00G290G36	8.5	12.0	12.0	PG29	PG36	72.4

型號 Catalog No.	尺寸 Dimension (mm)			PG 內牙 PG inner teeth	PG 外牙 PG externa teeth	重量 Weight (g/pc)
	A	B	C			
A0MTR00G210G16	8.0	22.0	12.0	PG21	PG16	31.0
A0MTR00G290G21	10.0	24.0	12.0	PG29	PG21	47.4
A0MTR00G360G29	8.0	24.5	14.0	PG36	PG29	81.2





ELECTRON

CONNECTOR

SERIES

電子電源接頭系列

CE RoHS



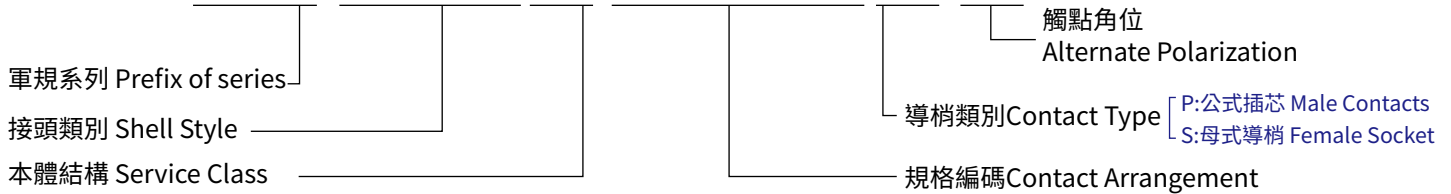
軍規接頭

MS CONNECTOR (MIL-DTL-5015)



產品型號： (Ordering Information)

MS 3106 A 20 - 16 P W



材質 Standard Material and Finishes

本體外殼 Shell (MIL-STD)	鋁合金壓鑄，表層鍍鉻 Aluminum alloy, Conductive olive drab chromate.
絕緣體 Insulator	人工橡膠 Synthetic Rubber
防潮墊圈 Grommet and Seal	人工橡膠 Synthetic Rubber
觸點插芯 Contacts	銅合金表層鍍銀 Copper alloy with silver-plated
工作耐溫 Temperature Range	-55°C to 125°C

電壓/電流表 Electrical Specification

電壓 Voltage Treatment			
Class	Operating Volt AC (交流電)	Operating Volt DC (直流電)	Withstanding volt(AC) Rms/minute (瞬間電壓)
Inst.	200V	250V	1,000
A	500V	700V	2,000
D	900V	1,250V	2,800
E	1,250V	1,750V	3,500
B	1,750V	2,450V	4,500
C	3,000V	4,200V	7,000

電流 Current Treatment			
Contact Size (插芯規範)	Rated Current Amps (定格電流)	Minute Current Amps (瞬間電流)	Contact Resistance (M Ω Max) At Dc 1A (接觸抗阻)
#16	13A	20A	21
#12	23A	35A	20
#8	46A	60A	12
#4	80A	110A	10
#0	150A	200A	10

軍規接頭

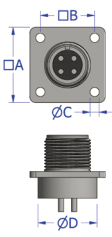
MS CONNECTOR (MIL-DTL-5015)

軍規接頭規範 Assembling of MIL-DTL-5015 Connectors

Insert (規格代碼)	No. of Contacts (芯數)	Contact Types (插芯類別)					Voltage Class
		0	4	8	12	16	
10SL-3	3					3	A
10SL-4	2					2	A
14S-1	3					3	A
14S-2	4					4	Inst.
14S-5	5					5	Inst.
14S-6	6					6	Inst.
14S-7	3					3	A
14S-9	2					2	A
16S-1	7					7	A
16S-4	2					2	D
16S-5	3					3	A
16S-8	5					5	A
16-9	4				2	2	A
16-10	3				3		A
16-11	2				2		A
18-1	10					10	A/Inst.
18-3	2				2		D
18-4	4					4	D
18-5	3				2	1	D
18-8	8				1	7	A
18-9	7				2	5	Inst.
18-10	4				4		A
18-11	5				5		A
18-12	6					6	A
18-19	10					10	A
18-20	5					5	A
18-22	3					3	D
20-3	3				3		D
20-4	4				4		D
20-11	13					13	Inst.
20-15	7				7		A
20-16	9				2	7	A
20-17	6				5	1	A
20-18	9				3	6	A
20-19	3			3			A
20-23	2			2			A
20-27	14					14	A
20-29	17					17	A
20-33	11					11	A
22-1	2			2			D
22-2	3			3			D
22-5	6				2	4	D

Insert (規格代碼)	No. of Contacts (芯數)	Contact Types (插芯類別)					Voltage Class
		0	4	8	12	16	
22-7	1					1	E
22-10	4					4	E
22-14	19					19	A
22-19	14					14	A
22-22	4			4			A
22-23	8				8		A/D
24-2	7				7		D
24-6	8				8		A/D
24-7	16				2	14	A
24-10	7			7			A
24-11	9			3	6		A
24-12	5		2		3		A
24-20	11				2	9	D
24-22	4			4			D
24-28	24					24	Inst.
28-6	3		3				D
28-9	12				6	6	D
28-10	7		2	2	3		A/D
28-11	22				4	18	A
28-12	26					26	A
28-15	35					35	A
28-16	20					20	A
28-17	15					15	A/B/D
28-19	10				4	6	A/B/D
28-20	14				10	4	A
28-21	37					37	A
28-22	6		3			3	D
32-1	5	2			3		D/E
32-6	23		2	3	2	16	A
32-7	35				7	28	A/Inst.
32-8	30				6	24	A
32-15	8	2			6		D
32-17	4		4				D
32-22	54					54	A
36-1	22				4	18	D
36-3	6	3			3		D
36-4	3	3					A/D
36-5	4	4					A
36-7	47				7	40	A
36-8	47				1	46	A
36-9	31		1	2	14	14	A
36-10	48					48	A

外殼尺寸 Shell Size

 外殼尺寸 Shell Size	10SL	14S	16、16S	18	20	22	24	28	32	36
	□ A	25.40	30.18	32.54	34.93	38.10	41.28	44.45	50.80	57.15
□ B	18.26	23.01	24.61	26.97	29.36	31.75	34.93	39.67	44.45	49.23
∅ C	3.05	3.05	3.05	3.05	3.05	3.05	3.73	3.73	4.39	4.39
∅ D	20.62	23.83	26.97	30.18	33.32	36.53	39.97	46.02	52.37	58.72

∅ D: 代表開孔尺寸 (Mount Hole)

• 防護等級 IP68

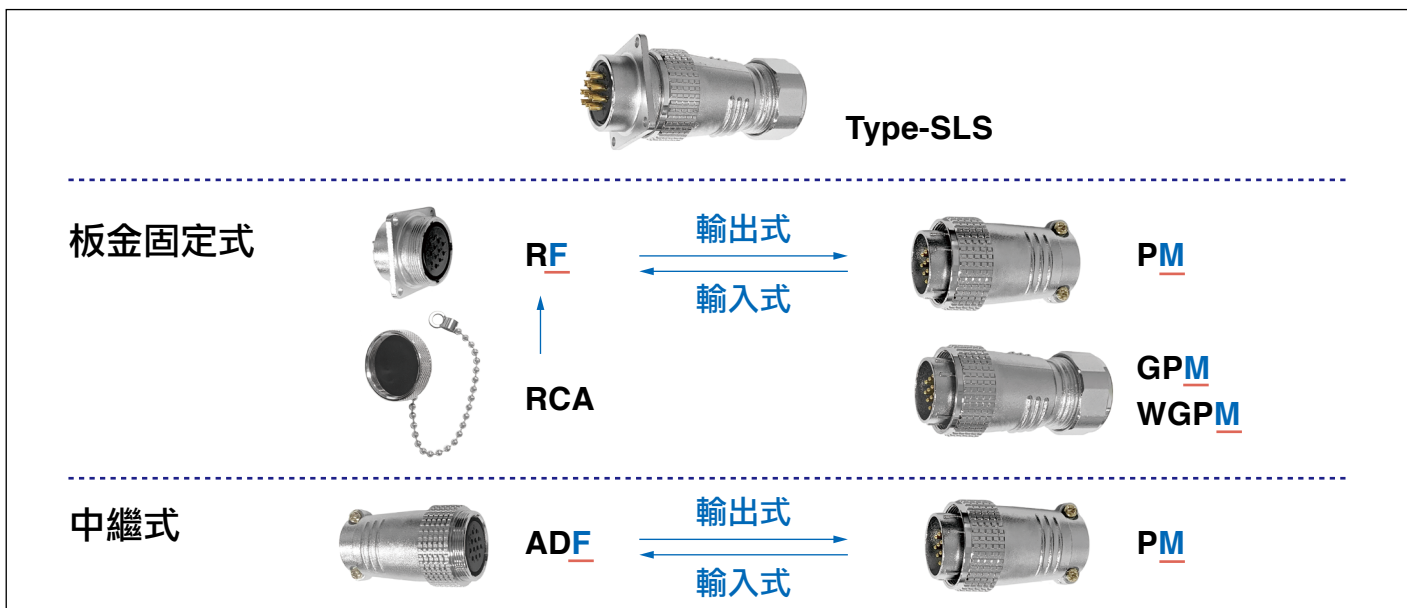
• Protection degree IP68.

SLS 電子電源接頭 (矩形座)



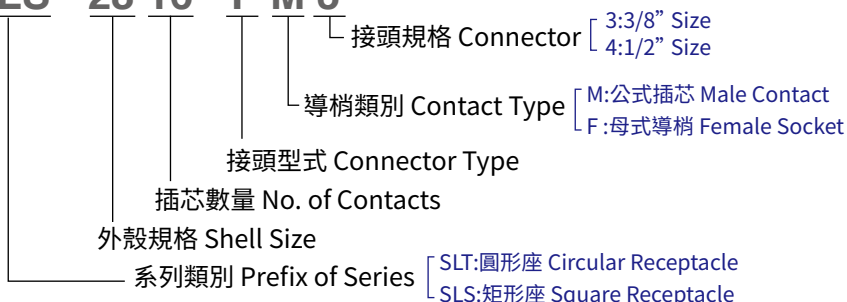
SLS ELECTRON CONNECTORS (Square receptacle)

美國UL認證登錄：E313914。US UL (Underwriters Laboratories) certified,NO:E313914。



產品型號： (Ordering Information)

SLS - 28 16 - P M 3



接頭型式 Connector Type

P	插頭	Plug
R	插座	Receptacle
AD	中繼式	Adapter
GP	金屬管式	Conduit pattern
WGP	尼龍管式	Nylon tube pattern
RT	絕緣膠管	Rubber bushing
RCA	保護蓋	Protective caps

SLS 電源接頭規範 SLS Assembling of Configuration connectors

Insert (規格代碼)	No. of Contacts (芯數)	Pin size (Diameter mm) (插芯規格)	Rated Current/Voltage (額定電流/電壓)	Operated Voltage (工作電壓)
SLS -202	2	2.0	20A/250V	250V
SLS -203	3	2.0	20A/250V	250V
SLS -204	4	1.7	15A/250V	200V
SLS -207	7	1.7	10A/150V	200V
SLS -2410	10	1.7	5A/380V	400V
SLS -284	4	2.4	25A/400V	500V

Insert (規格代碼)	No. of Contacts (芯數)	Pin size (Diameter mm) (插芯規格)	Rated Current/Voltage (額定電流/電壓)	Operated Voltage (工作電壓)
SLS -287	7	2.1	23A/300V	380V
SLS -2812	12	1.5	10A/150V	250V
SLS -2816	16	1.5	10A/150V	250V
SLS -2817	17	1.5	10A/150V	250V
SLS -2820	20	0.9	7A/150V	150V
SLS -2826	26	0.9	7A/150V	150V

SLS 外殼尺寸 Shell Size

外殼尺寸 Shell Size	20	24	28
□ A	29.0	32.0	35.0
□ B	23.0	26.0	29.0
∅ C	3.3	3.3	3.5
∅ D	20	24	28

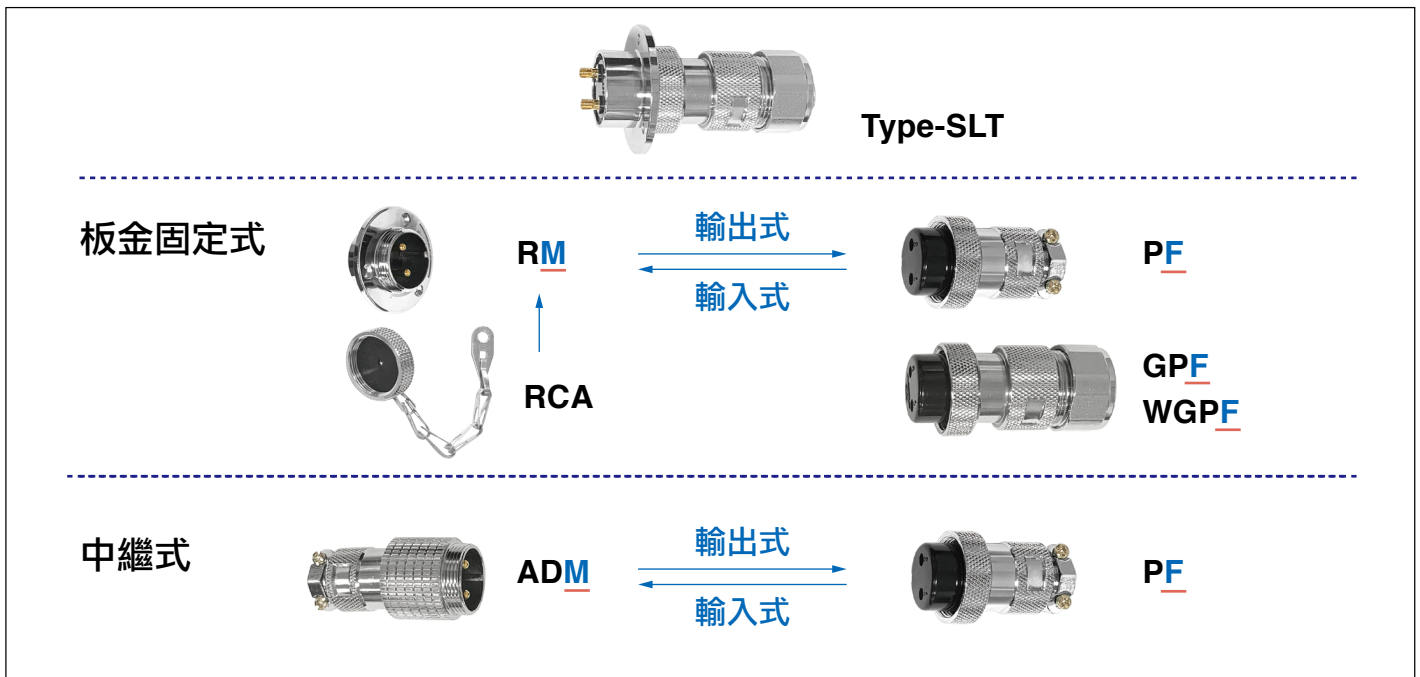
∅ D: 代表開孔尺寸(Mount Hole)

SLT 電子電源接頭 (圓形座)

RoHS

SLT ELECTRON CONNECTORS (Circular receptacle)

美國UL認證登錄：E313914。US UL (Underwriters Laboratories) certified,NO:E313914。



材質 Standard Material and Finishes

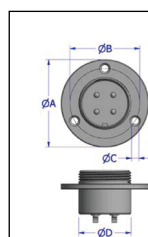
本體外殼Shell	鋅合金壓鑄表層鍍鉻	Zinc die-casting with chrome-plated
絕緣體 Insulator	電木	Bakelite
防潮墊圈 Grommet and Seal	人工橡膠	Synthetic Rubber
觸點插蕊 Contacts	銅合金表層鍍鎳或銀	Copper alloy with nickel or silver-plated

SLT 電源接頭規範 SLT Aessembling of Configuration connectors

Insert (規格代碼)	No. of Contacts (芯數)	Pin size (Diameter mm) (插芯規格)	Rated Current/Voltage (額定電流/電壓)	Operated Voltage (工作電壓)
SLT-162	2	1.6	7A/125V	200V
SLT-163	3	1.6	7A/125V	200V
SLT-164	4	1.6	7A/125V	200V
SLT-165	5	1.2	7A/125V	200V
SLT-166	6	0.9	5A/125V	200V
SLT-167	7	0.9	5A/125V	200V
SLT-168	8	0.9	5A/125V	200V
SLT-192	2	2.0	10A/250V	250V
SLT-193	3	2.0	7A/250V	250V
SLT-194	4	2.0	7A/250V	250V
SLT-252	2	2.4	15A/250V	400V
SLT-253	3	2.4	10A/250V	400V
SLT-254	4	2.4	10A/250V	400V

Insert (規格代碼)	No. of Contacts (芯數)	Pin size (Diameter mm) (插芯規格)	Rated Current/Voltage (額定電流/電壓)	Operated Voltage (工作電壓)
SLT-255	5	2.4	10A/250V	400V
SLT-256	6	2.4	7A/150V	250V
SLT-302	2	2.4	20A/300V	500V
SLT-303	3	2.4	20A/300V	500V
SLT-304	4	2.4	15A/250V	400V
SLT-305	5	2.4	10A/250V	400V
SLT-307	7	2.4	10A/150V	250V
SLT-308	8	2.4	7A/150V	200V
SLT-404	4	4.0	30A/250V	500V

SLT 外殼尺寸 Shell Size



外殼尺寸 Shell Size	16	19	25	30	40
ø A	-	33.0	42.0	46.0	58.0
ø B	-	26.0	33.5	38.0	50.0
ø C	-	3.5	3.5	3.5	3.5
ø D	16	19	25	30	40
ø D: 代表開孔尺寸 (Mount Hole)					

HARTING 歐式重載連接器

HARTING EUROPEAN HEAVY DUTY CONNECTOR

Summary Han® – Size 3A, 10A, 16A, 32A



A



Hood side-entry



Hood top-entry

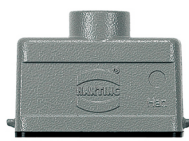


3

<p>3+ ⊕</p> <p>Screw termination</p> <p>10 A 230 / 400V 1 ... 1.5 mm²</p> <p>09 20 003 2611 09 20 003 2711</p>	<p>3+ ⊕</p> <p>Quick Lock termination</p> <p>10 A 230 / 400V 0.5 ... 2.5 mm²</p> <p>09 20 003 2633 09 20 003 2733</p>	<p>3+ ⊕</p> <p>Quick Lock termination</p> <p>10 A 230 / 400V 0.25 ... 1.5 mm²</p> <p>09 20 003 2634 09 20 003 2734</p>	<p>4+ ⊕</p> <p>Screw termination</p> <p>10 A 230 / 400V 1 ... 1.5 mm²</p> <p>09 20 004 2611 09 20 004 2711</p>	<p>4+ ⊕</p> <p>Quick Lock termination</p> <p>10 A 230 / 400V 0.5 ... 2.5 mm²</p> <p>09 20 004 2633 09 20 004 2733</p>	<p>4+ ⊕</p> <p>Quick Lock termination</p> <p>10 A 230 / 400V 0.25 ... 1.5 mm²</p> <p>09 20 004 2634 09 20 004 2734</p>	<p>8</p> <p>Crimp termination</p> <p>10 A -50 V / -120V 0.14 ... 2.5 mm²</p> <p>09 36 008 3001 09 36 008 3101</p>	<p>8</p> <p>Quick Lock termination</p> <p>10 A -50 V / -120V 0.25 ... 1.5 mm²</p> <p>09 36 008 2632 09 36 008 2732</p>
<p>2+ ⊕</p> <p>Crimp termination</p> <p>40 A 400 V 1.5 ... 10 mm²</p> <p>09 12 002 3051 09 12 002 3151</p>	<p>3+ ⊕</p> <p>Crimp termination</p> <p>40 A 400 V 1.5 ... 10 mm²</p> <p>09 12 003 3051 09 12 003 3151</p>	<p>4</p> <p>Crimp termination</p> <p>40 A 830 V 1.5 ... 10 mm²</p> <p>09 12 004 3051 09 12 004 3151</p>	<p>5+ ⊕</p> <p>Crimp termination</p> <p>16 A 230 / 400 V 0.14 ... 2.5 mm²</p> <p>09 12 005 3001 09 12 005 3101</p>	<p>5+ ⊕</p> <p>Quick Lock termination</p> <p>16 A 230 / 400 V 0.5 ... 2.5 mm²</p> <p>09 12 005 2633 09 12 005 2733</p>	<p>7+ ⊕</p> <p>Crimp termination</p> <p>10 A 400 V 0.14 ... 2.5 mm²</p> <p>09 12 007 3001 09 12 007 3101</p>	<p>12+ ⊕</p> <p>Crimp termination/ Quick Lock termination</p> <p>10 A 400 V 0.14 ... 2.5 mm²</p> <p>09 12 012 3001 09 12 012 3101</p>	<p>21</p> <p>Quick Lock termination</p> <p>6.5 A ~ 50 V / - 120 V 0.09 ... 0.56 mm²</p> <p>09 12 021 3001 09 12 021 3101</p>



Hood top-entry

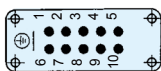


Hood side-entry



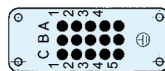
10

250 V
16 A
Han A®
chapter 01



10+ ⊕

250 V
10 A
Han D®
chapter 02



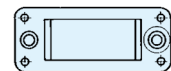
15+ ⊕

50 V
10 A
Staf®
chapter 09



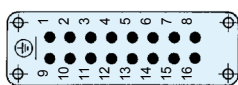
14

50 V – 1000 V
10 A – 40 A
Han-Modular®
chapter 06

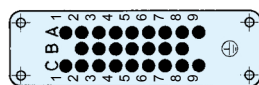


1 module

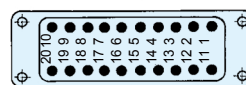
16



16+ ⊕



25+ ⊕



20

Housing bulkhead mounting



Housing surface mounting



Hood cable to cable coupling



suitable for 2 inserts of size 16 A

32

HARTING 歐式重載連接器

HARTING EUROPEAN HEAVY DUTY CONNECTOR

Summary Han® – Size 6B, 10B, 16B, 24B, 32B, 48B



B



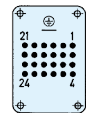
Hood side-entry



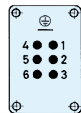
Hood top-entry

250 V 10 A Han D® chapter 02	250 V 10 A Han DD® chapter 02	500 V 16 A Han E® Han® ES chapter 03	500 V 16 A Han® EE Han® EEE chapter 03	400/690 V 35 A Han® HsB chapter 07	830 V 16 A Han Hv E® Han® Hv ES chapter 04	250 V – 690 V 10 A – 100 A Han-Com® chapter 05	50 V – 1000 V 5 A – 100 A Han-Modular® chapter 06
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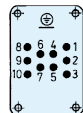
6



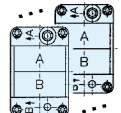
24 + ⊖



6 + ⊖

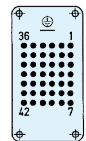


10 + ⊖

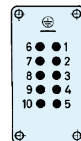


2 modules

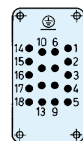
10



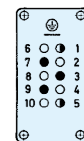
42 + ⊖



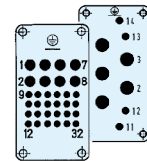
10 + ⊖



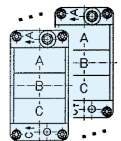
18 + ⊖



3 + ⊖

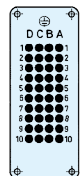


4/4 + ⊖
8/24 + ⊖

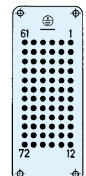


3 modules

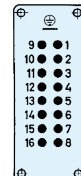
16



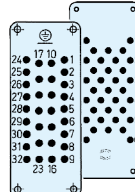
40 + ⊖



72 + ⊖



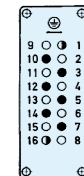
16 + ⊖



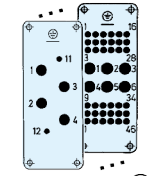
40 + ⊖
32 + ⊖



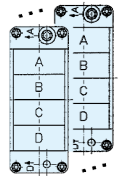
6 + ⊖



6 + ⊖

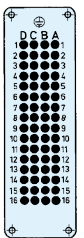


6/36 + ⊖
4/2 + ⊖

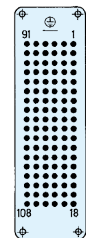


4 modules

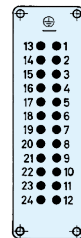
24



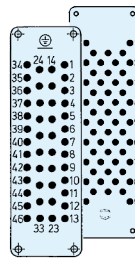
64 + ⊖



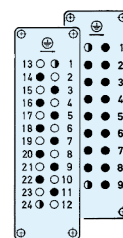
108 + ⊖



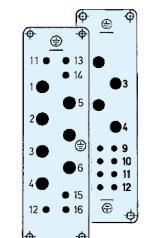
24 + ⊖



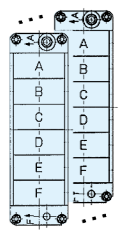
64 + ⊖
46 + ⊖



16 + ⊖
10 + ⊖



4/8 + ⊖
6/6 + ⊖



6 modules

Housing surface mounting



Housing bulkhead mounting



Hood cable to cable coupling



32

suitable for 2 inserts of size 16 B

48

suitable for 2 inserts of size 24 B

HARTING歐式重載連接器

HARTING EUROPEAN HEAVY DUTY CONNECTOR

Han-Modular® Frames 連接器框架



New Hinged Frames Plus – Established products even better 新框架



Suitable for more than 100 different modules



Quick and easy assembly supported by an audible "Click"



Very high mechanical stability

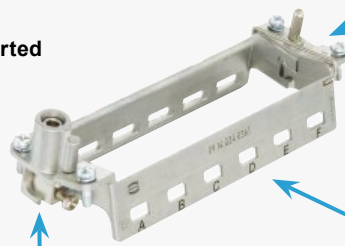


No tools for insertion and removal

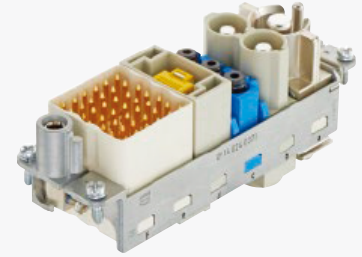


2 leading PE contacts

Spring mechanism enables easy handling



PE termination 0.5 - 2.5 mm²
resp. 4 - 10 mm²



Clear marking of the module position

Hinged Frames Plus

Size	Hinged frames 6 B	Hinged frames 10 B	Hinged frames 16 B	Hinged frames 24 B
Number of modules	for 2 modules	for 3 modules	for 4 modules	for 6 modules
Standard version (A ... F)	09 14 006 0361	09 14 010 0361	09 14 016 0361	09 14 024 0361
Standard version (a ... f)	09 14 006 0371	09 14 010 0371	09 14 016 0371	09 14 024 0371
Han® HMC version (A ... F)	09 14 206 0361	09 14 210 0361	09 14 216 0361	09 14 224 0361
Han® HMC version (a ... f)	09 14 206 0371	09 14 210 0371	09 14 216 0371	09 14 224 0371

Accessories

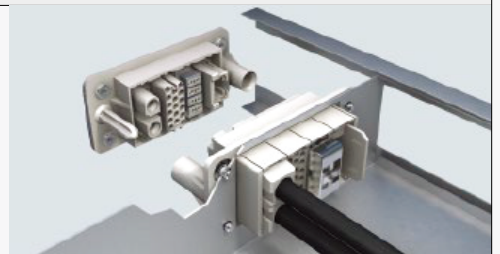
Size	PE terminal extension (cable shoe 16 mm ²)	Coding element Han® 6 B - 24 B	Guide pins / bushes Han® 6 B - 24 B	Han® 10 A frame for 1 module
Hint	for hoods/housings high construction only	6 codings	16 codings	
Part number	09 14 000 9912	09 14 000 9901	Male: 09 14 000 9908 Female: 09 14 000 9909	09 14 000 0304

* for pneumatic, optical as well as small contacts (≤ 5 A) guide pins and bushes are recommended

Docking frame

Docking frame 對接框架

- Docking connector for drawer systems
- Robust, leading guide pins and bushes
- Cost saving polycarbonate frames
- Compatible with HMC up to 10.000 mating cycles
- Large tolerance compensation of ± 2 mm play (float mount with M4 adapter plate 09 14 000 9936)



Size	Docking frames 6 B	Docking frames 10 B	Docking frames 16 B	Docking frames 24 B
Number of modules	for 2 modules	for 3 modules	for 4 modules	for 6 modules
Dimensions	65.8 x 33 mm	79.3 x 45 mm	94 x 45 mm	123.4 x 45 mm
float mounting (A ... F)	09 14 006 1701	09 14 010 1701	09 14 016 1701	09 14 024 1701
fix mounting (a ... f)	09 14 006 1711	09 14 010 1711	09 14 016 1711	09 14 024 1711

HARTING 歐式重載連接器

HARTING EUROPEAN HEAVY DUTY CONNECTOR

Power and Signal Modules – Crimp termination 動力/信號模組(壓接式)



		Han® PE module (Including crimp contact for earthing)			
PE	Number of contacts	1 x PE	1 x PE	1 x PE	
	Cross-section	35 mm ²	25 mm ²	16 mm ²	
Termination type	Crimp termination, Han® HC				
Male module (M)	09 14 001 3074	09 14 001 3073	09 14 001 3072		
Female module (F)	09 14 001 3174	09 14 001 3173	09 14 001 3172		
70 - 200 A		Han® 200 A Crimp module	Han® 100 A Crimp module	Han® 100 A Single module	Han® 70 A Crimp module
	Number of contacts	1*	2*	1	2
	Electrical data	200 A / 1000 V	100 A / 1000 V	100 A / 830 V	70 A / 1000 V
	Cross-section	25 ... 70 mm ²	10 ... 35 mm ²	10 ... 35 mm ²	6 ... 25 mm ²
	Termination type	Crimp termination, Han® HC			
Male module (M)	09 14 001 3001	09 14 002 3051	09 14 001 3031	09 14 002 3041	
Female module (F)	09 14 001 3101	09 14 002 3151	09 14 001 3131	09 14 002 3141	
40 A		Han® 40 A Crimp module	Han® C module	Han® CC module	Han® CD module
	Number of contacts	2	3	4	3 + 4
	Electrical data	40 A / 1000 V	40 A / 690 V	40 A / 830 V	40 A + 10 A / 830 V
	Cross-section	1.5 ... 10 mm ²	1.5 ... 6 mm ²	1.5 ... 6 mm ²	0.14 ... 6 mm ²
	Termination type	Crimp termination, Han® C	Crimp termination, Han® C	Crimp termination, Han® C	Crimp, Han® C + Han D®
Male module (M)	09 14 002 3002	09 14 003 3001	09 14 004 3041	09 14 007 3001	
Female module (F)	09 14 002 3102	09 14 003 3101	09 14 004 3141	09 14 007 3101	
16 A		Han E® module	Han® EE module	Han® EEE module	Han E® Protected module
	Number of contacts	6	8	20*	6
	Electrical data	16 A / 500 V	16 A / 400 V	16 A / 500 V	16 A / 830 V
	Cross-section	0.14 ... 4 mm ²	0.14 ... 4 mm ²	0.14 ... 4 mm ²	0.14 ... 4 mm ²
	Termination type	Crimp termination, Han E®			
Male module (M)	09 14 006 3001	09 14 008 3001	09 14 020 3001	09 14 006 3041	
Female module (F)	09 14 006 3101	09 14 008 3101	09 14 020 3101	09 14 006 3141	
≤ 10 A		Han DD® module	Han® DDD module	Han DD® Quad module	Han® High Density module
	Number of contacts	12	17	42*	25
	Electrical data	10 A / 250 V	10 A / 150 V	10 A / 150 V	4 A / 50 V
	Cross-section	0.14 ... 2.5 mm ²	0.14 ... 2.5 mm ²	0.14 ... 2.5 mm ²	0.08 ... 0.52 mm ²
	Termination type	Crimp termination, Han D®			
Male module (M)	09 14 012 3002	09 14 017 3001	09 14 042 3001	09 14 025 3001	
Female module (F)	09 14 012 3102	09 14 017 3101	09 14 042 3101	09 14 025 3101	
High Voltage		Han® HV module 40 A	Han® HV module 16 A	Han® HV single module	Han® Dummy module to fill-up empty module places
	Number of contacts	2*	2*	2	
	Electrical data	40 A / 2900/5000 V	16 A / 2900/5000 V	16 A / 2500 V	
	Cross-section	1.5 ... 10 mm ²	0.14 ... 4 mm ²	0.14 ... 4 mm ²	
	Termination type	Crimp termination, Han® C	Crimp termination, Han E®	Crimp termination, Han E®	
Male module (M)	09 14 002 3023	09 14 002 3021	09 14 002 3025	09 14 000 9950	
Female module (F)	09 14 002 3123	09 14 002 3121	09 14 002 3125		

* Double module, requires two places in the frame

HARTING 歐式重載連接器

HARTING EUROPEAN HEAVY DUTY CONNECTOR

Data Transfer Modules 數據訊號傳輸模組



Han® RJ45 module	for patch cable	for IDC	for patch cable	Han® Pneumatic module metal	
	Male module (M) 09 14 001 4623	Male module (M) 09 14 001 4623	Female module (F) 09 14 001 4721	3	
	Adapter for patch cable: 09 14 000 9966	RJ Industrial IDC: 09 45 400 1560		3, 4, 6 mm	
Part numbers	Patch cable cat. 6: 09 47 474 71xx			09 14 003 3501 09 14 003 3501	
Han-Quintax® Modules	Han-Quintax®	Han® High Density Quintax	Han D® Coax	Han E® Coax	
	Number of contacts	2 x 4*	2 x 8*	2 x Coax*	2 x Coax*
	Male module (M)	09 14 002 3001	09 14 002 3001	09 14 002 3001	09 14 002 3001
	Female module (F)	09 14 002 3101	09 14 002 3101	09 14 002 3101	09 14 002 3101
	Insert (Cable Ø ≤ 9.5 mm)				
	Data rate	100 Mbit/s (cat. 5e)	100 Mbit/s (cat. 5e)	≤ 500 Mhz / 75 Ω	≤ 500 Mhz / 50 Ω
	Electrical data	10 A / 50 V	5 A / 50 V	10 A / 50 V	16 A / 50 V
	Cross-section	0.14 ... 2.5 mm ²	0.09 ... 0.52 mm ²	0.14 ... 2.5 mm ²	0.14 ... 4 mm ²
	Termination type	Crimp termination, Han D®	Crimp termination, D-Sub	Crimp termination, Han D®	Crimp termination, Han E®
Male insert (M)	09 15 004 3013	09 15 008 3013	09 15 001 3013	09 15 001 3023	
Female insert (F)	09 15 004 3113	09 15 008 3113	09 15 001 3113	09 15 001 3123	
PE shielding termination	Optional shielding termination to the hinged frame with the aid of Han-Quintax® metal adapter 09 14 000 9915				
Han® GigaBit – Han® MegaBit Modules	Han® GigaBit module	Han® MegaBit module with 2 cable entries	Han® MegaBit module with 1 cable entry	Han® SC module	
	Adapter Module			4	
	Male module (M)	09 14 001 3011	09 14 001 3011	09 14 001 3011	09 14 004 4701
	Female module (F)	09 14 001 3111	09 14 001 3111	09 14 001 3111	09 14 004 4711
	Insert (Cable Ø ≤ 14 mm)				
	Number of contacts	8	2 x 4	8	20 10 001 5211
	Data rate	10 Gbit/s (cat. 6A)	2 x 100 Mbit/s (cat. 5e)	1 Gbit/s (cat. 5e)	20 10 001 5217
	Electrical data	5 A / 50 V	10 A / 50 V	10 A / 50 V	20 10 230 5211
	Cross-section	0.09 ... 2.5 mm ²	0.14 ... 2.5 mm ²	0.14 ... 2.5 mm ²	20 10 125 5211
Termination type	Crimp termination, D-Sub	Crimp termination, Han D®	Crimp termination, Han D®	20 10 125 5220	
Shielding termination	Crimp flange	2 x crimp flange	Crimp flange		
Male insert (M)	09 14 008 3011	09 14 008 3016	09 14 008 3021		
Female insert (F)	09 14 008 3111	09 14 008 3116	09 14 008 3121		
	with PE shielding termination	with PE shielding termination	with PE shielding termination		
Male insert (M)	09 14 008 3012	09 14 008 3017	09 14 008 3022		
Female insert (F)	09 14 008 3112	09 14 008 3117	09 14 008 3122		
Serial Bus Modules	Han D-Sub module	Han® USB module	Han® FireWire module	Han® ID CAN module	
	Number of contacts	9 + shielding	8	6	7
	Data rate	12 Mbit/s (Profibus)	5 Gbit/s (USB 3.0)	400 Mbit/s (IEEE 1394a)	1 Mbit/s (CAN bus)
	Electrical data	5 A / 50 V	1 A / 50 V	1 A / 50 V	24 V
	Cross-section	0.09 ... 0.52 mm ²			0.13 ... 1.5 mm ²
Termination type	Crimp termination, D-Sub	USB patch cable	FireWire patch cable	Cage clamp termination	
Male module (M)	09 14 009 3001	09 14 001 4601	09 14 001 4611	09 80 015 0100	
Female module (F)	09 14 009 3101	09 14 001 4703	09 14 001 4711	09 80 115 0200	

* Double module, requires two places in the frame

HARTING歐式重載連接器

HARTING EUROPEAN HEAVY DUTY CONNECTOR

Crimp Contacts and Crimping Tools 壓接針/壓接工具



5 A - D-Sub	Cross-section / Wire gauge				male	female	male	female
	(mm ²)	(AWG)			(gold plated)	(gold plated)	(HMC gold plated)	(HMC gold plated)
	0.09 - 0.25	28 - 24						
	0.13 - 0.33	26 - 22			09 67 000 7576	09 67 000 7476	09 67 000 7570	09 67 000 7470
	0.25 - 0.52	24 - 20			09 67 000 5576	09 67 000 5476	09 67 000 5570	09 67 000 5470
					09 67 000 8576	09 67 000 8476	09 67 000 8570	09 67 000 8470

10 A - Han D®	Cross-section / Wire gauge		male	female	male	female	male	female
	(mm ²)	(AWG)	(silver plated)	(silver plated)	(gold plated)	(gold plated)	(HMC gold plated)	(HMC gold plated)
	0.14 - 0.37	26 - 22						
	0.5	20	09 15 000 6104	09 15 000 6204	09 15 000 6124	09 15 000 6224	09 15 200 6124	09 15 200 6224
	0.75	18	09 15 000 6103	09 15 000 6203	09 15 000 6123	09 15 000 6223	09 15 200 6123	09 15 200 6223
	1	18	09 15 000 6105	09 15 000 6205	09 15 000 6125	09 15 000 6225	09 15 200 6125	09 15 200 6225
	1.5	16	09 15 000 6102	09 15 000 6202	09 15 000 6122	09 15 000 6222	09 15 200 6122	09 15 200 6222
	2.5	14	09 15 000 6101	09 15 000 6201	09 15 000 6121	09 15 000 6221	09 15 200 6121	09 15 200 6221
			09 15 000 6106	09 15 000 6206	09 15 000 6126	09 15 000 6226	09 15 200 6126	09 15 200 6226

16 A - Han E®	Cross-section / Wire gauge		male	female	male	female	male	female
	(mm ²)	(AWG)	(silver plated)	(silver plated)	(gold plated)	(gold plated)	(HMC gold plated)	(HMC gold plated)
	0.14 - 0.37	26 - 22						
	0.5	20	09 33 000 6127	09 33 000 6227	09 33 000 6117	09 33 000 6217	09 33 200 6117	09 33 200 6217
	0.75	18	09 33 000 6121	09 33 000 6221	09 33 000 6122	09 33 000 6222	09 33 200 6122	09 33 200 6222
	1	18	09 33 000 6114	09 33 000 6214	09 33 000 6115	09 33 000 6215	09 33 200 6115	09 33 200 6215
	1.5	16	09 33 000 6105	09 33 000 6205	09 33 000 6118	09 33 000 6218	09 33 200 6118	09 33 200 6218
	2.5	14	09 33 000 6104	09 33 000 6204	09 33 000 6116	09 33 000 6216	09 33 200 6116	09 33 200 6216
	3	12	09 33 000 6102	09 33 000 6202	09 33 000 6123	09 33 000 6223	09 33 200 6123	09 33 200 6223
	4	12	09 33 000 6106	09 33 000 6206				
			09 33 000 6107	09 33 000 6207	09 33 000 6119	09 33 000 6221	09 33 200 6119	09 33 200 6221

40 A - Han C	Cross-section / Wire gauge		male	female			male	female
	(mm ²)	(AWG)	(silver plated)	(silver plated)			(HMC gold plated)	(HMC gold plated)
	1.5	16						
	2.5	14	09 32 000 6104	09 32 000 6204			09 32 200 6114	09 32 200 6224
	4	12	09 32 000 6105	09 32 000 6205			09 32 200 6115	09 32 200 6225
	6	10	09 32 000 6107	09 32 000 6207			09 32 200 6117	09 32 200 6227
	10	8	09 32 000 6108	09 32 000 6208			09 32 200 6118	09 32 200 6228
			09 32 000 6109	09 32 000 6209			09 32 200 6119	09 32 200 6229

壓接工具 Crimping tools	Crimping tools acc. to IEC 60352-2	09 99 000 0501	09 99 000 0021	09 99 000 0110	09 99 000 0303	09 99 000 0377	09 99 000 0888
	Contacts / cross-section [mm ²]	D-Sub / 0.09 ... 0.52	Han D® / 0.14 ... 1.5 Han E® / 0.5 ... 2.5	Han D® / 0.14 ... 1.5 Han E® / 0.5 ... 4.0 Han C / 1.5 ... 4.0		Han C / 4.0 ... 10.0 Han C / 6.0 ... 10.0	Han D® / 0.14 ... 2.5 Han E® / 0.14 ... 4.0 Han C / 1.5 ... 4.0

壓接端子的插入 / 拆卸工具 Insertion / removal tools for crimp contacts	Identification	mm ²	Part number	Depiction
		Insertion tool for crimp contacts small cross-section, variable length of blade Han D®, Han E®, Han-Yellock® When using cross-sections below 0.75 mm ² an insertion tool for inserting the contact into the insert is recommended.		09 99 000 0847
	Han D®, Removal tool for crimp contacts		09 99 000 0012	
	Han C®, Removal tool for crimp contacts	1.5 - 6 10	09 99 000 0305 09 99 000 0381	
	Han E®, Removal tool for crimp contacts		09 99 00 0319	
	D-Sub, Insertion / removal tool for crimp contacts		09 99 000 0368	

JN1 電子電源接頭

JN1 ELECTRON CONNECTORS

產品型號：(Ordering Information (JAE))

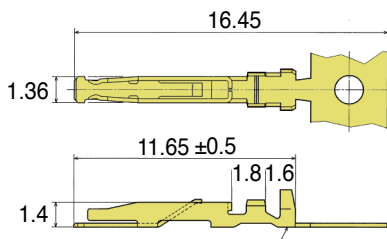
系列代碼 Series	JN1	D	S	04	F	K	2	X	連接鍵 Mating key type NONE-標準型 Normal X-代替角位 Alternate insert position
接頭造型 Shell style	D-直型 Straight F-彎型 Angle								電纜直徑 Cable diameter 1- ϕ 5.7~ ϕ 7.3 2- ϕ 6.5~ ϕ 8.0
外殼規格 Shell size									插芯規格 Contact size K-#20 L-#22
插芯數量 No. of contacts	04-4Pin 10-10Pin								連接方式 Connection method S-束緊式 Crimp socket (10pos.only) F-焊接式 Socket with soldering
連接鍵 Mating key type	NONE-標準型 Normal X-代替角位 Alternate insert position								



TYPE-JN1D
直型 Straight (D)



TYPE-JN1F
彎型 Angle (F)



適用電線識別表示
APPLICABLE WIRE IDENTIFICATION MARKING

電壓/電流表 Electrical Specification

芯數 NO. of Contacts	4P	10P
電流容量 Current Capacity	5A	3A
瞬間電壓 Withstanding Voltage	2000V(RMS)	900V(RMS)
插芯材質 Plug Materials	Copper alloy cold-plated	Copper alloy silver-plated
絕緣抗阻 Insulation Resistance	1000 Megohms	
外殼材質 Shell Materials	人工樹脂 Synthetic resin	
工作耐溫 Temperature Range	-20°C to +125°C	
防護等級 Protection Degree	IP67	

插芯規範 Socket Contact Specification

Contact P/N (ITEM)	Applicable Wire		pcs/Packing
	Conductor Size	Insulation Dia	
JN1-22-22S	21~25AWG	Ø1.5	10000 pcs /reel

CM10 電子電源接頭

CM10 ELECTRON CONNECTORS

產品型號：(Ordering Information (DDK))

系列代碼 Series	CM10 - SP - 2S - S	標準規格 Normal Size (suit for cable size) S- ϕ 4.0~ ϕ 6.0 M- ϕ 6.0~ ϕ 9.0 L- ϕ 9.0~ ϕ 11.6
接頭造型 Shell style	SP-直型 Straight AP-彎型 Angle	
插芯數量 No. of Contacts	2S-2Pin 10S-10Pin	

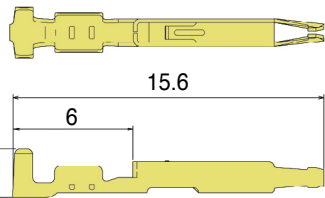


TYPE-CM10SP
直型 Straight (SP)



TYPE-CM10AP
彎型 Angle (AP)

CM10-#22SC(C2)(D8)- □□□□



材質/電壓/電流表 Material / Electrical Specification

芯數 No. of Contacts	2P	10P
電流容量 Current Capacity	3A	3A
瞬間電壓 Withstanding Voltage	1500V(RMS)	900V(RMS)
定額電壓 Rated Voltage	200V	
絕緣抗阻 Insulation Resistance	1000 (MΩ、MIN) At DC500V	
插芯材質 Rated Voltage	Copper alloy (Cold-Plated)	
本體材質 Insulation Resistance	Zinc alloy (Nickel-Plated)	
後蓋螺帽材質 Insulation Resistance	Plastic (UL94V-0 Black)	
工作耐溫 Rated Voltage	-20°C to +125°C	
防護等級 Insulation Resistance	IP67	

插芯規範 Socket Contact Specification

Contact P/N (ITEM)	Applicable Wire		pcs/Packing
	Conductor Size	Insulation Dia	
CM10-#22SC (C2-D8) (束緊式 Crimping)	23~28 AWG	Ø0.80~Ø1.5	1. 100 pcs/bag 2. 5000 pcs/reel



CORRUGATED
NYLON TUBE

AND CONNECTOR
SERIES

尼龍管及接頭系列

CE RoHS



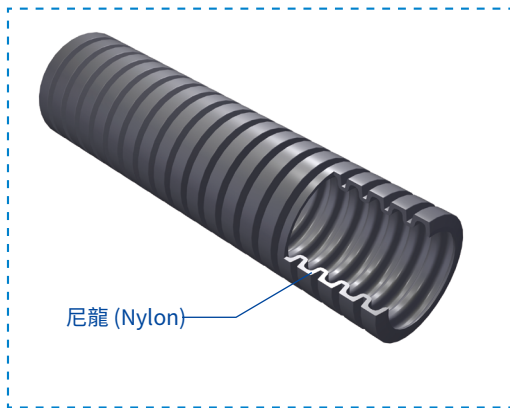


UL 防水尼龍配電軟管

UL WATERPROOF NYLON POWER DISTRIBUTION HOSE



- (一) 選用UL認可尼龍PA6工程塑料製成（防火等級 UL 94V-2）。
- (二) 通過UL1000小時抗UV耐候實驗、液體密封性、張力、垂直火焰、拉出、熱老化、低溫衝擊、撓曲度等相關測試。
- (三) 工作溫度：-30°C~105°C、防護等級IP68。
- (四) 請注意：必須同時搭配欣軍FL(X)U接頭才能符合UL相關規範。
(各家廠牌生產條件不等同)
- (五) 管的顏色：黑色或灰色可供選擇。
- (六) 灰色：屬於批量訂製品。



- (1) Made of UL-approved nylon PA6 engineering plastics (fire rating UL 94V-2).
- (2) Passed UL1000 hours anti-UV weather resistance test, liquid tightness, tension, vertical flame, pull out, thermal aging, low temperature impact, deflection and other related tests.
- (3) Working temperature: -30°C~105°C, protection grade IP68.
- (4) Please note: It must be matched with SINZ FL(X)U connector to meet UL related specifications. (The production condition of each brand are different).
- (5) The color of the tube: black or gray to choose from.
- (6) Gray: Products ordered in bulk.

遵照UL-1696標準。
美國及加拿大UL認證登錄：E523702。
In accordance with UL-1696 standard.
US and Canada UL certification registration: E523702.

TYPE-NL206U

型號 CatalogNo.	規格 Nominal Size	內徑 I.D.(mm) 最小 Max.	外徑 O.D.(mm) 最小 Max.	彎曲半徑 Bending Radius (mm)	包裝長度 Length (M/coil)	重量 Weight (g/M)	才積 M'ment (cuft)		
ANL206U0200000	1/4"	6.9	7.7	9.6	10.4	15	100	18	1.0
ANL206U0250000	5/16"	9.6	10.4	12.6	13.4	20	100	29	1.0
ANL206U0300000	3/8"	11.6	12.4	15.4	16.2	30	100	41	1.1
ANL206U0400000	1/2"	15.8	16.6	20.8	21.6	40	100	60	1.6
ANL206U0600000	3/4"	21.5	22.3	28.1	28.9	45	100	121	2.7
ANL206U1000000	1"	27.0	28.2	34.0	35.0	55	50	140	3.8
ANL206U1200000	1 1/4"	35.4	36.6	42.0	43.0	60	30	169	4.1
ANL206U1400000	1 1/2"	39.8	41.4	48.0	49.6	65	30	221	6.15
ANL206U2000000	2"	46.2	47.8	53.7	55.3	70	30	233	6.67
ANL206U2400000	2 1/2"	67.5	69.5	79.5	81.5	160	30	452	15.24

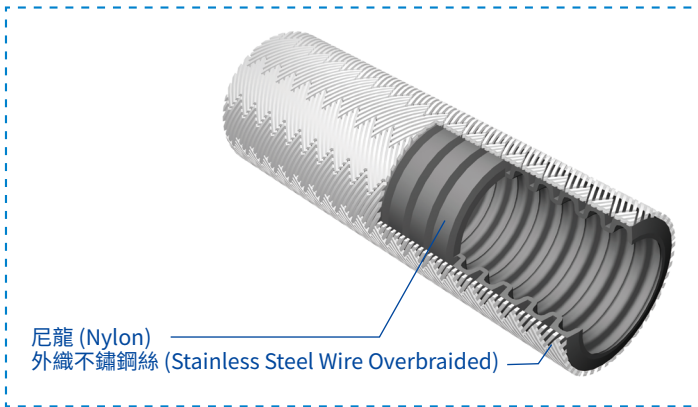
外織不鏽鋼絲防水尼龍配電軟管

STAINLESS WIRE BRADING CORRUGATED NYLON TUBES



- (一) 內管係耐燃尼龍塑料製成，外層加織不鏽鋼絲。
- (二) 耐衝擊抗腐蝕。
- (三) 具防水防塵、防鐵屑的功能、防護等級IP68。
- (四) 適用於切削工具機，潮濕區域、或長距離重負荷之電氣配管。

- (1) Inner tube is made of thermal resistance nylon, out layer with stainless steel wire.
- (2) Anti punching and anticorrosion.
- (3) With function of anti water, dust, and iron scrap, Protection degree IP68.
- (4) Apply to electrical tube for cutting tools, humid area, and long travel route and heavy carrying capacity movement.



NL206U尼龍配電軟管具阻燃（不助燃）之特性。
 NL206U Corrugated nylon tube is not flammable and capable of blocking fire.

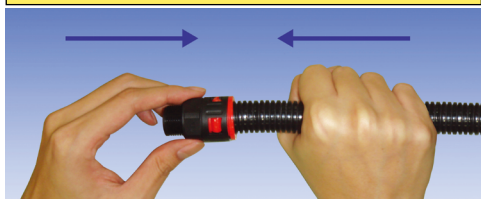
TYPE-NK206

型號 Catalog No.	規格 Nominal Size	內徑I.D.(mm)		外徑O.D.(mm)		彎曲半徑 Bending Radius(mm)	包裝長度 Length (M/coil)	重量 Weight (g/M)	才積 M'ment (cuft)
		最小 Min.	最大 Max.	最小 Min.	最大 Max.				
ANK20600200000	1/4"	6.9	7.7	10.2	11.2	20	100	82	1.10
ANK20600250000	5/16"	9.6	10.4	13.9	14.7	25	100	109	1.10
ANK20600300000	3/8"	11.6	12.4	16.6	17.4	35	100	136	1.24
ANK20600400000	1/2"	15.8	16.6	21.9	22.7	45	100	195	1.79
ANK20600600000	3/4"	21.5	22.3	29.3	30.1	50	100	287	2.95
ANK20601000000	1"	27.0	28.2	35.0	36.0	60	50	350	5.44
ANK20601200000	1 1/4"	35.4	36.6	43.1	44.1	70	30	587	5.74
ANK20601400000	1 1/2"	39.8	41.4	49.4	51.0	75	30	726	6.10
ANK20602000000	2"	46.2	47.8	55.4	57.0	80	30	825	6.34

尼龍管快插接頭（塑鋼）

NYLON TUBE QUICK CONNECTOR (Plastic steel)

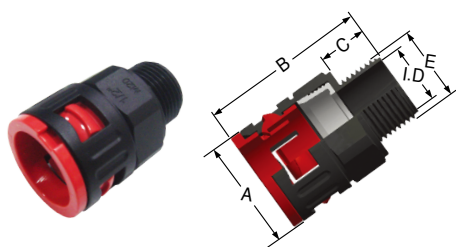
中華民國專利號碼：第M532009號
R.O.C. Patent No. : M532009



組立：軟管直接插入接頭。
Assembly : A tube directly inserts into the adapter.



拆卸：握住接頭活動外殼，軟管往外拉。
Dismantle : Holding the adapter's flexible shell, and pulling a tube toward outside.



特性說明：

- (一) 選用尼龍PA66材質，高抗腐蝕不變形。
- (二) 新功能設計，防護等級IP66。
- (三) 若要選用UL認證的接頭，產品名稱為：FLBU。

Feature description:

- (1) Nylon PA66 material is used, which is highly resistant to corrosion and does not deform.
- (2) New functional design, protection grade IP66.
- (3) If you want to choose a UL certified connector, the product name is: FLBU.

TYPE-FLB(Straight)

型號 CatalogNo.	配用尼龍管規格 Nylon tube Size	尺寸 Dimension(mm)					牙規格 Thred	包裝 數量 pcs/bag	重量 Weight (g/pc)
		I.D.	A	B	C	E			
A0FLB000250F04	5/16"	10.5	24.0	37.0	10.0	20.9	PF1/2"	50	7.1
A0FLB000300F04	3/8"	12.5	27.0	39.0	12.0	20.9	PF1/2"	50	8.1
A0FLB000400F04	1/2"	16.0	29.4	44.0	12.0	20.9	PF1/2"	50	11.4
A0FLB000600F06	3/4"	20.5	37.1	49.0	15.0	26.4	PF3/4"	50	17.5
A0FLB001000F10	1"	26.5	43.4	52.0	16.0	33.2	PF1"	50	22.6
A0FLB001200F12	1 1/4"	35.0	52.5	54.0	18.0	41.9	PF1 1/4"	10	41.8
A0FLB001400F14	1 1/2"	41.0	59.0	56.5	18.0	47.8	PF1 1/2"	10	55.8
A0FLB002000F20	2"	48.0	67.0	60.0	22.0	59.6	PF2"	10	70.9
A0FLB000200G07	1/4"	7.0	17.2	32.5	10.0	12.5	PG7	50	5.4
A0FLB000250G09	5/16"	10.5	20.4	37.0	10.0	15.2	PG9	50	5.7
A0FLB000250G11	5/16"	10.5	24.0	37.0	10.0	18.6	PG11	50	6.8
A0FLB000250G13	5/16"	10.5	24.0	37.0	10.0	20.4	PG13.5	50	7.1
A0FLB000300G11	3/8"	12.5	24.2	37.0	10.0	18.6	PG11	50	7.3
A0FLB000300G13	3/8"	12.5	24.2	37.0	10.0	20.4	PG13.5	50	7.6
A0FLB000400G16	1/2"	16.0	29.4	44.0	12.0	22.5	PG16	50	11.8
A0FLB000600G21	3/4"	20.5	37.1	46.0	12.0	28.3	PG21	50	17.1
A0FLB001000G29	1"	26.5	44.0	48.0	12.0	37.0	PG29	50	23.0
A0FLB001200G36	1 1/4"	36.5	52.5	48.0	12.0	47.0	PG36	10	46.9
A0FLB002000G48	2"	48.0	67.0	52.5	14.5	59.3	PG48	10	66.3
A0FLB000259M12	5/16"	8.0	20.4	36.0	9.0	12.0	M12X1.5	50	5.4
A0FLB000250M16	5/16"	10.5	24.0	37.0	10.0	16.0	M16X1.5	50	6.2
A0FLB000250M20	5/16"	10.5	24.0	37.0	10.0	20.0	M20X1.5	50	6.9
A0FLB000300M16	3/8"	12.5	23.2	39.0	12.0	16.0	M16X1.5	50	6.9
A0FLB000300M20	3/8"	12.5	27.0	40.0	13.0	20.0	M20X1.5	50	7.8
A0FLB000400M20	1/2"	16.0	29.4	45.0	13.0	20.0	M20X1.5	50	11.2
A0FLB000600M25	3/4"	20.5	37.1	47.0	13.0	25.0	M25X1.5	50	16.7
A0FLB001000M32	1"	26.5	43.4	51.0	15.0	32.0	M32X1.5	50	22.6
A0FLB001200M40	1 1/4"	34.0	52.5	51.0	15.0	40.0	M40X1.5	10	43.1
A0FLB001400M50	1 1/2"	41.5	59.0	53.5	15.0	50.0	M50X1.5	10	56.6
A0FLB002000M63	2"	48.0	68.0	54.0	16.0	63.0	M63X1.5	10	76.6

• 牙規格：PF牙、PG牙及M牙。

080 • 上列快速接頭配合NL206U尼龍管使用。

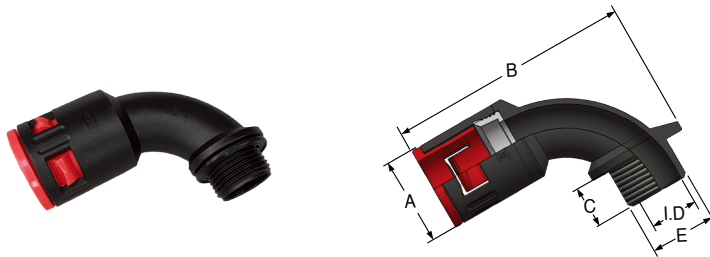
• Thread specification : PF. PG. M.

• The quick connectors suitable for NL206U corrugated nylon tubes.

尼龍管快插接頭 (塑鋼)

NYLON TUBE QUICK CONNECTOR (Plastic steel)

中華民國專利號碼：第M532009號
R.O.C. Patent No. : M532009



特性說明：

- (一) 選用尼龍PA66材質，高抗腐蝕不變形。
- (二) 新功能設計，防護等級IP66。
- (三) 若要選用UL認證的接頭，產品名稱為：FLLU。

Feature description:

- (1) Nylon PA66 material is used, which is highly resistant to corrosion and does not deform.
- (2) New functional design, protection grade IP66.
- (3) If you want to choose a UL certified connector, the product name is: FLLU.

TYPE-FLL(90° Angle)

型號 CatalogNo.	配用尼龍管規格 Nylon tube		尺寸 Dimension(mm)				牙規格 Thred	包裝 數量 pcs/bag	重量 Weight (g/pc)
	Size	I.D.	A	B	C	E			
A0FLL000300F04	3/8"	12.5	23.2	64.1	11.0	20.9	PF1/2"	50	14.8
A0FLL000400F04	1/2"	16.0	29.4	74.7	12.0	20.9	PF1/2"	50	22.0
A0FLL000600F06	3/4"	21.0	37.1	83.7	15.0	26.4	PF3/4"	50	35.0
A0FLL001000F10	1"	27.0	43.4	99.1	16.0	33.2	PF1"	20	52.6
A0FLL001200F12	1 1/4"	35.0	52.5	109.6	18.0	41.7	PF1 1/4"	10	65.7
A0FLL001400F14	1 1/2"	41.0	59.0	117.0	18.0	47.8	PF1 1/2"	10	92.8
A0FLL002000F20	2"	48.0	67.0	127.5	22.0	59.6	PF2"	10	124.7
A0FLL000200G07	1/4"	7.0	17.2	46.8	10.0	12.5	PG7	50	7.0
A0FLL000250G09	5/16"	10.5	20.4	59.2	10.0	15.2	PG9	50	10.0
A0FLL000300G11	3/8"	12.5	23.2	63.0	11.0	18.6	PG11	50	13.0
A0FLL000400G16	1/2"	16.0	29.4	74.7	12.0	22.5	PG16	50	23.6
A0FLL000600G21	3/4"	22.0	37.1	83.7	12.0	28.3	PG21	50	34.8
A0FLL001000G29	1"	30.0	43.4	99.1	12.0	37.0	PG29	20	48.8
A0FLL001200G36	1 1/4"	36.5	52.5	109.6	12.0	47.0	PG36	10	73.9
A0FLL002000G48	2"	48.0	67.0	127.5	14.5	59.3	PG48	10	120.3
A0FLL000300M16	3/8"	11.0	23.2	63.0	11.0	16.0	M16X1.5	50	13.6
A0FLL000300M20	3/8"	12.5	23.2	63.0	11.0	20.0	M20X1.5	50	14.0
A0FLL000400M20	1/2"	16.0	29.4	74.7	12.0	20.0	M20X1.5	50	21.4
A0FLL000600M25	3/4"	20.5	37.1	83.7	13.0	25.0	M25X1.5	50	34.4
A0FLL001000M32	1"	27.0	43.4	99.1	16.0	32.0	M32X1.5	20	51.6
A0FLL001200M40	1 1/4"	34.0	52.5	109.6	15.0	40.0	M40X1.5	10	66.6
A0FLL001400M50	1 1/2"	41.0	59.0	117.0	15.0	50.0	M50X1.5	10	96.4

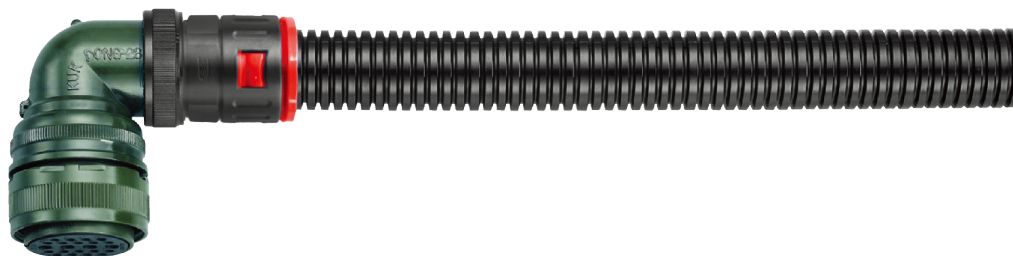
- 牙規格：PF牙、PG牙及M牙。
- 上列快速接頭配合NL206U尼龍管使用。

- Thread specification : PF. PG. M.
- The quick connectors suitable for NL206U corrugated nylon tubes.

軍規轉接快插接頭 (塑鋼)

MS-PLUG/CONNECTORS ADAPTER (Plastic steel)

中華民國專利號碼：第M532009號
R.O.C. Patent No. : M532009



TYPE-FLS



- 若要選用UL 認證的接頭，產品名稱為：FLSU。
- If you want to choose a UL certified connector, the product name is: FLSU.

型號 CatalogNo.	配用尼龍管規格 Nylon tube Size	M S 電 源 插 座 規 格 Same MS-3057	MS-Plus Size	牙規格 Thred
A0FLS00025004A	5/16"	4A	10SL、12S、12	5/8" X24UNEF
A0FLS00030004A	3/8"	4A	10SL、12S、12	5/8" X24UNEF
A0FLS00030006A	3/8"	6A	14S、14	3/4" X20UNEF
A0FLS00030008A	3/8"	8A	16S、16	7/8" X20UNEF
A0FLS00030010A	3/8"	10A	18	1" X20UNEF
A0FLS00030012A	3/8"	12A	20、22	1 3/16" X18UNEF
A0FLS00040010A	1/2"	10A	18	1" X20UNEF
A0FLS00040012A	1/2"	12A	20、22	1 3/16" X18UNEF
A0FLS00040016A	1/2"	16A	24、28	1 7/16" X18UNEF
A0FLS00060012A	3/4"	12A	20、22	1 3/16" X18UNEF
A0FLS00060016A	3/4"	16A	24、28	1 7/16" X18UNEF
A0FLS00060020A	3/4"	20A	32	1 3/4" X18UNS
A0FLS00100016A	1"	16A	24、28	1 7/16" X18UNEF
A0FLS00100020A	1"	20A	32	1 3/4" X18UNS

A0FLS000250M13	5/16"	(JAE)	M13X1.0
A0FLS000300M13	3/8"	(JAE)	M13X1.0
A0FLS000300M18	3/8"	(DDK)	M18X1.0

- 上列軍規接頭配合NL206U尼龍管使用。
- The connectors adapter suitable for NL206U corrugated nylon tubes.

尼龍管迫緊接頭

NYLON TUBE COMPRESSION JOINT

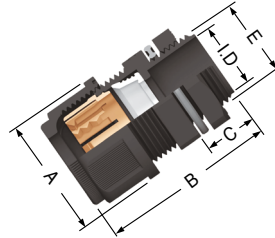


中華民國專利號碼：第M460437號
R.O.C. Patent No. : M460437



- 1.螺帽 (Nut)
- 2.墊片 (Packing)
- 3.接頭本體 (Body)
- 4.防水墊圈 (Rubber busing)
- 5.夾緊爪 (Claw)
- 6.後蓋螺帽 (Cap nut)
- 7.尼龍管 (Nylon tubes)

TYPE-KLB (Straight)



型號 Catalog No.	配用尼龍管規格 Nylon tube Size	尺寸 Dimension (mm) I.D.	A	B	C	E	牙規格 Thread	包裝 數量 pcs/bag	重量 Weight (g/pc)
A0KLB000300F04	3/8"	12.5	28.5	41.0	12.0	20.9	PF1/2"	50	9.4
A0KLB000400F06	1/2"	16.0	35.3	46.5	15.0	26.4	PF3/4"	50	22.0
A0KLB001400F14	1 1/2"	41.0	70.0	65.0	18.0	47.8	PF1 1/2"	10	55.4
A0KLB000250G09	5/16"	10.4	25.0	38.5	10.0	15.2	PG9	50	7.5
A0KLB000250G11	5/16"	10.4	25.0	38.5	10.0	18.6	PG11	50	11.6
A0KLB000250G13	5/16"	10.4	25.0	38.5	10.0	20.4	PG13.5	50	12.6
A0KLB000300G11	3/8"	12.5	28.5	39.0	10.0	18.6	PG11	50	9.4 (3/8"xM20車修)
A0KLB000300G13	3/8"	12.5	28.5	39.0	10.0	20.4	PG13.5	50	11.6 (3/8"xPG16車修)
A0KLB000300G16	3/8"	12.5	28.5	41.0	12.0	22.5	PG16	50	15.4
A0KLB000400G16	1/2"	16.0	35.3	43.5	12.0	22.5	PG16	50	19.4 (1/2"xM25車修)
A0KLB000400G21	1/2"	16.0	35.3	43.5	12.0	28.3	PG21	50	21.8
A0KLB000600G29	3/4"	21.0	44.0	45.0	12.0	37.0	PG29	50	37.0
A0KLB000250M16	5/16"	10.4	25.0	38.5	10.0	16.0	M16X1.5	50	8.2
A0KLB000300M16	3/8"	12.5	28.5	41.0	12.0	16.0	M16X1.5	50	8.6
A0KLB000300M18	3/8"	12.5	28.5	36.5	7.5	18.0	M18X1.5	50	11.8
A0KLB000300M20	3/8"	12.5	28.5	42.0	13.0	20.0	M20X1.5	50	12.2
A0KLB000400M20	1/2"	16.0	35.3	44.5	13.0	20.0	M20X1.5	50	17.4
A0KLB000400M25	1/2"	16.0	35.3	44.5	13.0	25.0	M25X1.5	50	21.8
A0KLB000600M32	3/4"	21.0	44.0	48.0	15.0	32.0	M32X1.5	50	36.0
A0KLB001400M50	1 1/2"	41.0	70.0	62.0	15.0	50.0	M50X1.5	10	60.2

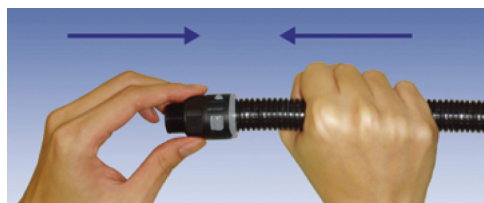
- 牙規格：PF牙、PG牙及M牙。
- 上列接頭配合NL206U尼龍管使用。
- 防護等級IP68

- Thread specification:PF. PG. M.
- The connectors suitable for NL206U corrugated nylon tubes.
- Protection degree IP68.



UL尼龍管快插接頭（塑鋼）

UL NYLON TUBE QUICK CONNECTORS (Plastic steel)



組立：軟管直接插入接頭。

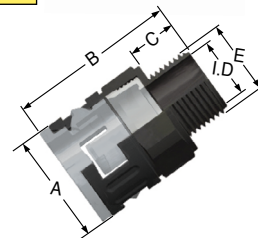
Assembly : A tube directly inserts into the adapter.



拆卸：握住接頭活動外殼，軟管往外拉。

Dismantle : Holding the adapter's flexible shell, and pulling a tube toward outside.

遵照UL-1696標準。
美國及加拿大UL認證登錄：E523702。
In accordance with UL-1696 standard.
US and Canada UL certification registration: E523702.



- (一) 選用UL認可尼龍PA6工程塑料製成（防火等級 UL 94V-2）。
 - (二) 通過UL液體密封性、拉出、垂直火焰等相關測試。
 - (三) 工作溫度：-30°C~105°C。
 - (四) 採用材質NBR機械耐油橡膠。
 - (五) 請注意：必須同時搭配配軍NL206U尼龍管才能符合UL相關規範。（各家廠牌生產條件不同）
 - (六) 接頭的零件：中心有黑/灰色；扣環有灰/紅色。（七）灰色：屬於批量訂製品。
- (1) Made of UL-approved nylon PA6 engineering plastics (fire rating UL 94V-2).
 - (2) Pass UL liquid tightness, pull-out, vertical flame and other related tests.
 - (3) Working temperature: -30°C~105°C.
 - (4) The material is NBR mechanical oil-resistant rubber.
 - (5) Please note: SINZ NL206U nylon tube must be used at the same time to meet the relevant UL specifications. (The production condition of each brand are different).
 - (6) Parts of the joint: black or gray in the center; gray or red in the clasp.
 - (7) Gray: Products ordered in bulk.

TYPE-FLBU(Straight)

型號 CatalogNo.	配用尼龍管規格 Nylon tube Size	尺寸 Dimension(mm)					牙規格 Thred	包裝 數量 pcs/bag	重量 Weight (g/pc)
		I.D.	A	B	C	E			
A0FLBU00250F04	5/16"	10.5	24.0	37.0	10.0	20.9	PF1/2"	50	7.1
A0FLBU00300F04	3/8"	12.5	27.0	39.0	12.0	20.9	PF1/2"	50	8.1
A0FLBU00400F04	1/2"	16.0	29.4	44.0	12.0	20.9	PF1/2"	50	11.4
A0FLBU00600F06	3/4"	20.5	37.1	49.0	15.0	26.4	PF3/4"	50	17.5
A0FLBU01000F10	1"	26.5	43.4	52.0	16.0	33.2	PF1"	50	22.6
A0FLBU01200F12	1 1/4"	35.0	52.5	54.0	18.0	41.9	PF1 1/4"	10	41.8
A0FLBU01400F14	1 1/2"	41.0	59.0	56.5	18.0	47.8	PF1 1/2"	10	55.8
A0FLBU02000F20	2"	48.0	67.0	60.0	22.0	59.6	PF2"	10	70.9
A0FLBU00200G07	1/4"	7.0	17.2	32.5	10.0	12.5	PG7	50	5.4
A0FLBU00250G09	5/16"	10.5	20.4	37.0	10.0	15.2	PG9	50	5.7
A0FLBU00250G11	5/16"	10.5	24.0	37.0	10.0	18.6	PG11	50	6.8
A0FLBU00250G13	5/16"	10.5	24.0	37.0	10.0	20.4	PG13.5	50	7.1
A0FLBU00300G11	3/8"	12.5	24.2	37.0	10.0	18.6	PG11	50	7.3
A0FLBU00300G13	3/8"	12.5	24.2	37.0	10.0	20.4	PG13.5	50	7.6
A0FLBU00400G16	1/2"	16.0	29.4	44.0	12.0	22.5	PG16	50	11.8
A0FLBU00600G21	3/4"	20.5	37.1	46.0	12.0	28.3	PG21	50	17.1
A0FLBU01000G29	1"	26.5	44.0	48.0	12.0	37.0	PG29	50	23.0
A0FLBU01200G36	1 1/4"	36.5	52.5	48.0	12.0	47.0	PG36	10	46.9
A0FLBU02000G48	2"	48.0	67.0	52.5	14.5	59.3	PG48	10	66.3
A0FLBU00250M16	5/16"	10.5	24.0	37.0	10.0	16.0	M16X1.5	50	6.2
A0FLBU00250M20	5/16"	10.5	24.0	37.0	10.0	20.0	M20X1.5	50	6.9
A0FLBU00300M16	3/8"	12.5	23.2	39.0	12.0	16.0	M16X1.5	50	6.9
A0FLBU00300M20	3/8"	12.5	27.0	40.0	13.0	20.0	M20X1.5	50	7.8
A0FLBU00400M20	1/2"	16.0	29.4	45.0	13.0	20.0	M20X1.5	50	11.2
A0FLBU00600M25	3/4"	20.5	37.1	47.0	13.0	25.0	M25X1.5	50	16.7
A0FLBU01000M32	1"	26.5	43.4	51.0	15.0	32.0	M32X1.5	50	22.6
A0FLBU01200M40	1 1/4"	34.0	52.5	51.0	15.0	40.0	M40X1.5	10	43.1
A0FLBU01400M50	1 1/2"	41.5	59.0	53.5	15.0	50.0	M50X1.5	10	56.6
A0FLBU02000M63	2"	48.0	68.0	54.0	16.0	63.0	M63X1.5	10	76.6

- 牙規格：PF牙、PG牙及M牙。
- 上列快速接頭配合NL206U尼龍管使用。

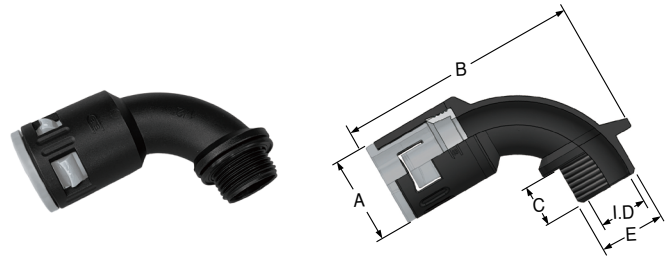
- Thread specification : PF. PG. M.
- The quick connectors suitable for NL206U corrugated nylon tubes.

UL尼龍管快插接頭（塑鋼）



UL NYLON TUBE QUICK CONNECTORS (Plastic steel)

遵照UL-1696標準。
 美國及加拿大UL認證登錄：E523702。
 In accordance with UL-1696 standard.
 US and Canada UL certification registration: E523702.



- (一) 選用UL認可尼龍PA6工程塑料製成（防火等級 UL 94V-2）。
- (二) 通過UL液體密封性、拉出、垂直火焰等相關測試。
- (三) 工作溫度：-30°C~105°C。
- (四) 採用材質NBR機械耐油橡膠。
- (五) 請注意：必須同時搭配欣軍NL206U尼龍管才能符合UL相關規範。(各家廠牌條件尺寸不等同)
- (六) 接頭的零件：中心有黑/灰色；扣環有灰/紅色。
- (七) 灰色：屬於批量訂製品。

- (1) Made of UL-approved nylon PA6 engineering plastics (fire rating UL 94V-2).
- (2) Pass UL liquid tightness, pull-out, vertical flame and other related tests.
- (3) Working temperature: -30°C~105°C.
- (4) The material is NBR mechanical oil-resistant rubber.
- (5) Please note: SINZ NL206U nylon tube must be used at the same time to meet the relevant UL specifications. (The production condition of each brand are different).
- (6) Parts of the joint: black or gray in the center; gray or red in the clasp.
- (7) Gray: Products ordered in bulk.

TYPE-FLLU(90° Angle)

型號 CatalogNo.	配用尼龍管規格 Nylon tube Size	I.D.	尺寸 Dimension(mm)				牙規格 Thred	包裝數量 pcs/bag	重量 Weight (g/pc)
			A	B	C	E			
A0FLLU00300F04	3/8"	12.5	23.2	64.1	11.0	20.9	PF1/2"	50	14.8
A0FLLU00400F04	1/2"	16.0	29.4	74.7	12.0	20.9	PF1/2"	50	22.0
A0FLLU00600F06	3/4"	21.0	37.1	83.7	15.0	26.4	PF3/4"	50	35.0
A0FLLU01000F10	1"	27.0	43.4	99.1	16.0	33.2	PF1"	20	52.6
A0FLLU01200F12	1 1/4"	35.0	52.5	109.6	18.0	41.7	PF1 1/4"	10	65.7
A0FLLU01400F14	1 1/2"	41.0	59.0	117.0	18.0	47.8	PF1 1/2"	10	92.8
A0FLLU02000F20	2"	48.0	67.0	127.5	22.0	59.6	PF2"	10	124.7
A0FLLU00200G07	1/4"	7.0	17.2	46.8	10.0	12.5	PG7	50	7.0
A0FLLU00250G09	5/16"	10.5	20.4	59.2	10.0	15.2	PG9	50	10.0
A0FLLU00300G11	3/8"	12.5	23.2	63.0	11.0	18.6	PG11	50	13.0
A0FLLU00400G16	1/2"	16.0	29.4	74.7	12.0	22.5	PG16	50	23.6
A0FLLU00600G21	3/4"	22.0	37.1	83.7	12.0	28.3	PG21	50	34.8
A0FLLU01000G29	1"	30.0	43.4	99.1	12.0	37.0	PG29	20	48.8
A0FLLU01200G36	1 1/4"	36.5	52.5	109.6	12.0	47.0	PG36	10	73.9
A0FLLU02000G48	2"	48.0	67.0	127.5	14.5	59.3	PG48	10	120.3
A0FLLU00300M16	3/8"	11.0	23.2	63.0	11.0	16.0	M16X1.5	50	13.6
A0FLLU00300M20	3/8"	12.5	23.2	63.0	11.0	20.0	M20X1.5	50	14.0
A0FLLU00400M20	1/2"	16.0	29.4	74.7	12.0	20.0	M20X1.5	50	21.4
A0FLLU00600M25	3/4"	20.5	37.1	83.7	13.0	25.0	M25X1.5	50	34.4
A0FLLU01000M32	1"	27.0	43.4	99.1	16.0	32.0	M32X1.5	20	51.6
A0FLLU01200M40	1 1/4"	34.0	52.5	109.6	15.0	40.0	M40X1.5	10	66.6
A0FLLU01400M50	1 1/2"	41.0	59.0	117.0	15.0	50.0	M50X1.5	10	96.4

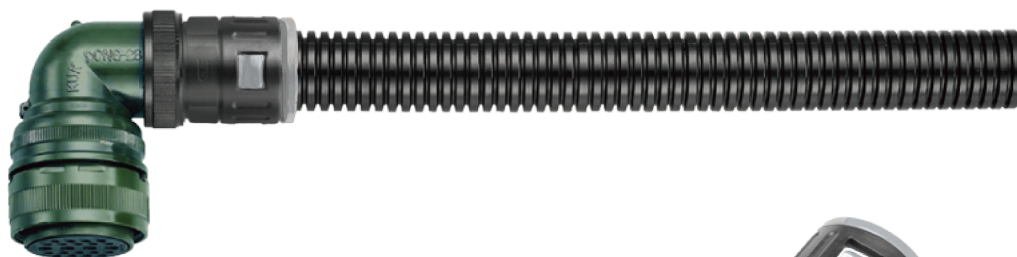
- 牙規格：PF牙、PG牙及M牙。
- 上列快速接頭配合NL206U尼龍管使用。

- Thread specification：PF. PG. M.
- The quick connectors suitable for NL206U corrugated nylon tubes.



UL軍規轉接快插接頭（塑鋼）

UL MS-PLUG/CONNECTORS ADAPTER (Plastic steel)



遵照UL-1696標準。
美國及加拿大UL認證登錄：E523702。
In accordance with UL-1696 standard.
US and Canada UL certification registration: E523702.

- (一) 選用UL認可尼龍PA6工程塑料製成（防火等級 UL 94V-2）。
- (二) 通過UL液體密封性、拉出、垂直火焰等相關測試。
- (三) 工作溫度：-30°C~105°C。
- (四) 採用材質NBR機械耐油橡膠。
- (五) 請注意：必須同時搭配欣軍NL206U尼龍管才能符合UL相關規範。(各家廠牌生產條件不等同)
- (六) 接頭的零件：中心有黑/灰色；扣環有灰/紅色。
- (七) 灰色：屬於批量訂製品。

- (1) Made of UL-approved nylon PA6 engineering plastics (fire rating UL 94V-2).
- (2) Pass UL liquid tightness, pull-out, vertical flame and other related tests.
- (3) Working temperature: -30°C~105°C.
- (4) The material is NBR mechanical oil-resistant rubber.
- (5) Please note: SINZ NL206U nylon tube must be used at the same time to meet the relevant UL specifications. (The production condition of each brand are different).
- (6) Parts of the joint: black or gray in the center; gray or red in the clasp.
- (7) Gray: Products ordered in bulk.

TYPE-FLSU

型號 CatalogNo.	配用尼龍管規格 Nylon tube Size	M S 電 源 插 座 規 格 Same MS-3057	牙規格 MS-Plus Size Thred
A0FLSU0025004A	5/16"	4A	10SL、12S、12 5/8" X24UNEF
A0FLSU0030004A	3/8"	4A	10SL、12S、12 5/8" X24UNEF
A0FLSU0030006A	3/8"	6A	14S、14 3/4" X20UNEF
A0FLSU0030008A	3/8"	8A	16S、16 7/8" X20UNEF
A0FLSU0030010A	3/8"	10A	18 1" X20UNEF
A0FLSU0030012A	3/8"	12A	20、22 1 3/16" X18UNEF
A0FLSU0040010A	1/2"	10A	18 1" X20UNEF
A0FLSU0040012A	1/2"	12A	20、22 1 3/16" X18UNEF
A0FLSU0040016A	1/2"	16A	24、28 1 7/16" X18UNEF
A0FLSU0060012A	3/4"	12A	20、22 1 3/16" X18UNEF
A0FLSU0060016A	3/4"	16A	24、28 1 7/16" X18UNEF
A0FLSU0060020A	3/4"	20A	32 1 3/4" X18UNS
A0FLSU0100016A	1"	16A	24、28 1 7/16" X18UNEF
A0FLSU0100020A	1"	20A	32 1 3/4" X18UNS
A0FLSU00250M13	5/16"		(JAE) M13X1.0
A0FLSU00300M13	3/8"		(JAE) M13X1.0
A0FLSU00300M18	3/8"		(DDK) M18X1.0

- 上列軍規接頭配合NL206U尼龍管使用。
- The connectors adapter suitable for NL206U corrugated nylon tubes.

2 1/2" 尼龍管接頭 (塑鋼)

2 1/2" NYLON TUBE CONNECTOR (Plastic steel)

- (一) 材質：係工程塑鋼射出成型。
- (二) 新型式設計，結構強度佳。
- (三) 組合操作簡便，堅固不鬆脫。

- (1) Material : Engineering plastic injection molding.
- (2) New design, good structural strength.
- (3) Easy combination operation, Firm and not loose.



2 1/2" 尼龍管專用
2 1/2" special for nylon tube

使用例 (Application example)



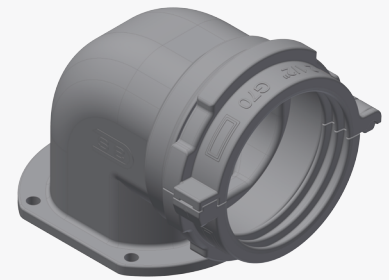
外牙式

TYPE-TTB



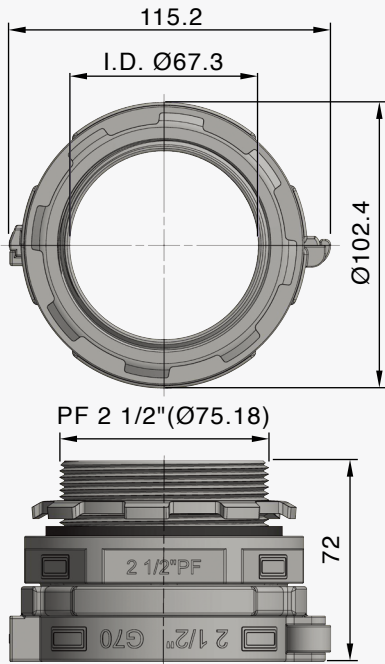
貼壁式

TYPE-TKB

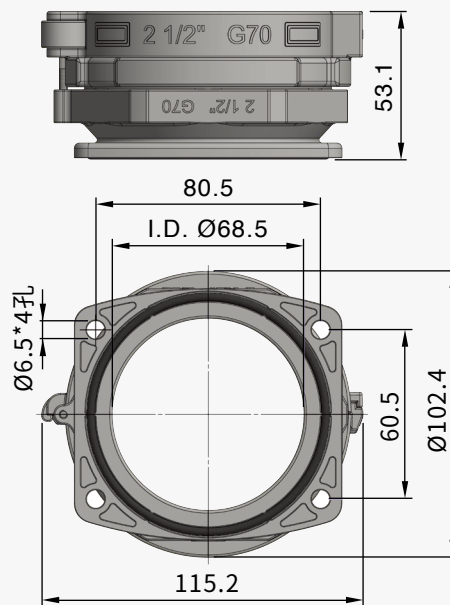


90° 貼壁式
(模具開發中)

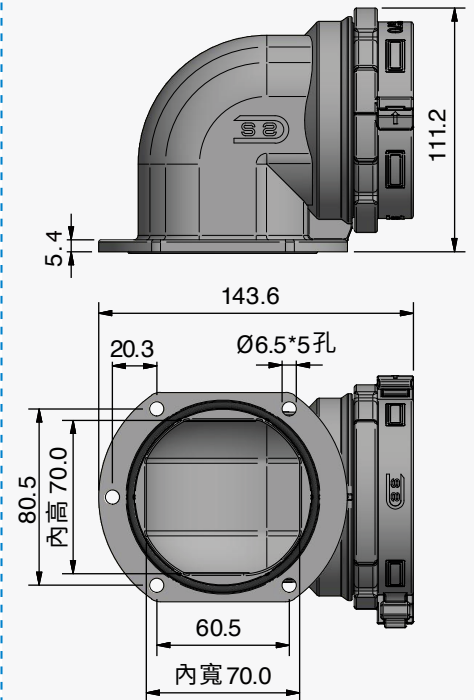
TYPE-TKL



重量：214.1g/pc



重量：145.7g/pc



重量：236.4g/pc

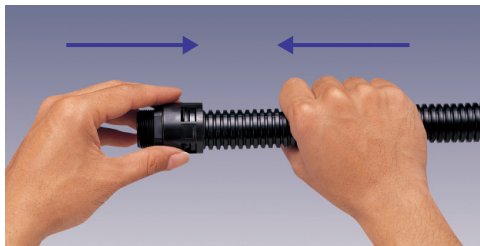
- 牙規格：PF牙 (附鋅合金螺帽)
- 上列接頭配合NL206U尼龍管使用

- Thread specification: PF thread (with zinc alloy nut)
- The above connector is used with NL206U nylon tube

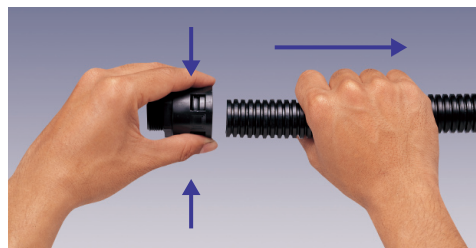
尼龍管快速接頭（簡易式－無防水）

NYLON TUBE QUICK CONNECTOR (Simple type - no waterproof)

中華民國專利號碼：第M205999號
R.O.C. Patent No. : M205999

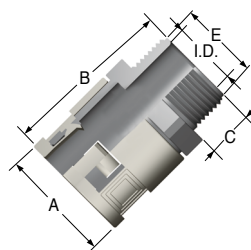


組立：軟管直接插入接頭。
Assembly : A tube directly inserts into the adapter.



拆卸：握住接頭活動外殼，軟管往外拉。
Dismantle : Holding the adapter's flexible shell, and pulling a tube toward outside.

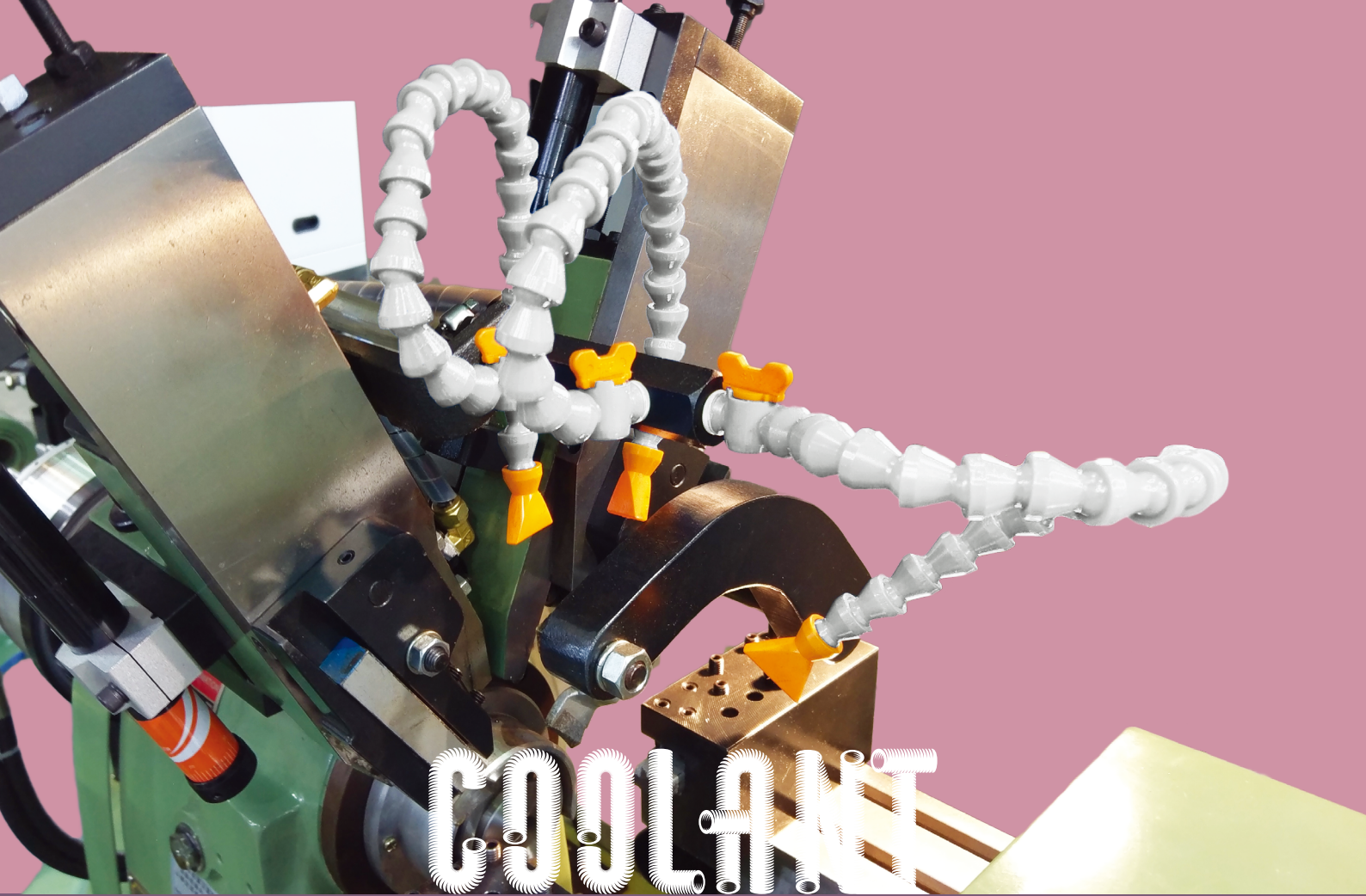
TYPE-TTB(Straight)



型號 CatalogNo.	配用尼龍管規格 Nylon tube Size	I.D.	尺寸 Dimension(mm)				牙規格 Thred	包裝 數量 pcs/bag	重量 Weight (g/pc)
			A	B	C	E			
A0TTB000300F04	3/8"	12.5	23.0	39.5	12.0	20.9	PF1/2"	50	8.4
A0TTB000400F04	1/2"	16.0	29.5	44.0	12.0	20.9	PF1/2"	50	11.8
A0TTB000600F06	3/4"	21.0	37.0	49.5	15.0	26.4	PF3/4"	50	17.0
A0TTB001000F10	1"	26.5	44.0	52.5	16.0	33.2	PF1"	50	24.0
A0TTB001200F12	1 1/4"	35.0	54.0	54.0	18.0	41.9	PF1 1/4"	10	32.4
A0TTB002000F20	2"	48.0	67.0	59.5	22.0	59.6	PF2"	10	63.2
A0TTB000200G07	1/4"	7.0	17.5	30.5	8.0	12.5	PG7	50	4.2
A0TTB000250G09	5/16"	10.5	20.6	37.0	10.0	15.2	PG9	50	6.2
A0TTB000300G11	3/8"	12.5	23.0	37.0	10.0	18.6	PG11	50	7.0
A0TTB000300G13	3/8"	12.5	23.0	37.0	10.0	20.4	PG13.5	50	7.2
A0TTB000400G16	1/2"	17.0	29.5	44.0	12.0	22.5	PG16	50	12.6
A0TTB000600G21	3/4"	23.3	37.0	46.0	12.0	28.3	PG21	50	16.2
A0TTB001000G29	1"	30.0	44.0	48.0	12.0	37.0	PG29	50	25.4
A0TTB001200G36	1 1/4"	36.5	54.0	48.0	12.0	47.0	PG36	10	34.0
A0TTB002000G48	2"	48.0	67.0	52.0	14.5	59.3	PG48	10	53.2
A0TTB000300M16	3/8"	12.5	23.0	39.0	12.0	16.0	M16X1.5	50	6.8
A0TTB000300M20	3/8"	12.5	23.0	40.0	13.0	20.0	M20X1.5	50	8.2
A0TTB000400M20	1/2"	16.0	29.5	45.0	13.0	20.0	M20X1.5	50	11.6
A0TTB000600M25	3/4"	20.5	37.0	47.0	13.0	25.0	M25X1.5	50	17.8
A0TTB001000M32	1"	26.5	44.0	51.0	15.0	32.0	M32X1.5	50	24.8
A0TTB001200M40	1 1/4"	34.0	54.0	51.0	15.0	40.0	M40X1.5	10	32.2

- 牙規格：PF牙、PG牙及M牙。
- 上列快速接頭配合NL206U尼龍管使用。

- Thread specification : PF. PG. M.
- The quick connectors suitable for NL206U corrugated nylon tubes.



COOLANT

HOSE

SERIES

冷卻油管系列

CE RoHS



切削油管、冷卻配組及不鏽鋼輸油管（適用於工具機）

COOLANT TUBES、ACCESSORY MAGAZINE & STAINLESS STEEL HOSES (Suitable for machine tools)



TYPE-SP103



TYPE-SP101

材質：彈簧鋼絲製成，表層鍍鎳鉻，內管係耐油PVC。

Material : Made of steel wire coated with nickel-chromium, Inner with anti oil PVC hoses.

特性：可左右彎曲，固定性極佳。

Advantage : Bendable sideway with excellent fixity.

牙規格(Thread) : PT 1/4"、PT 3/8"、PT 1/2"。

適用於工具機冷卻液之注油。Apply to the oiling of cooling fluid on machine tools.

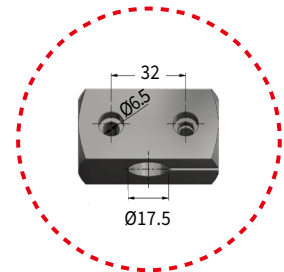
ASP10500200000	1/4" 管(tube) : 圓嘴(round nozzle) ϕ 4.0	標準長度(Length) : 8"~ 20"
ASP10300300000	3/8" 管(tube) : 圓嘴(round nozzle) ϕ 5.0	標準長度(Length) : 12"~ 36"
ASP10600200000	1/4" 管(tube) : 扁嘴(flat nozzle) 16.0mm	標準長度(Length) : 8"~ 20"
ASP10100300000	3/8" 管(tube) : 扁嘴(flat nozzle) 22.0mm	標準長度(Length) : 12"~ 36"



TYPE-SP208 冷卻配組 (Coolant Parts)



TYPE-SP209 冷卻配組 (Coolant Parts)



3/8" 鋁合金管固定座
(3/8" Aluminum alloy tube fixing seat)



TYPE-CT702 (不鏽鋼輸油管)

材質：外管SUS 430不銹鋼，內組耐油PVC管。

Material : Outer for stainless steel SUS 430, Inner with anti oil PVC house.

牙規格(Thread) : PS 3/8"、PS 1/2"。

標準長度(Length) : 36"~120"

適用於工具機冷卻液之注油。

Apply to the distribution of cooling fluid of machine tools.



球型凡而 (Ball Valve)

規格 (Size) : 1/4"、3/8"、1/2"、3/4"

塑鋼噴油管（適用於工具機）

ADJUSTABLE POLYESTER HOSES (Suitable for machine tools)

材質：（一）杜邦100P塑料，堅韌耐磨、不龜裂不變形，防漏功能俱佳。
 （二）抗酸鹼、耐燃油（汽油、柴油、甲苯）等化學溶劑。
 （三）良好的電器絕緣性，且有自潤的特性。



凡而（流體作動閥）
 中華民國專利號碼：第M377506號
 R.O.C. Patent No. : M377506

Material：(1) DuPont 100P plastic, tough and wear-resistant, without cracking and deformation, with excellent leak-proof function.
 (2) Acid and alkali resistant, fuel resistant (gasoline, diesel, toluene) and other chemical solvents.
 (3) Good electrical insulation and self-lubricating characteristics.

特性：（一）可左右彎曲，固定性極佳，長度可因需求增長或減短。
 （二）適用於低壓力（1.8~3.2 kg/cm²）的液體傳送（最高使用溫度65°C）
 （三）適用於工具機冷卻液之注油，或五金工具、裝飾用品、測儀支架等。

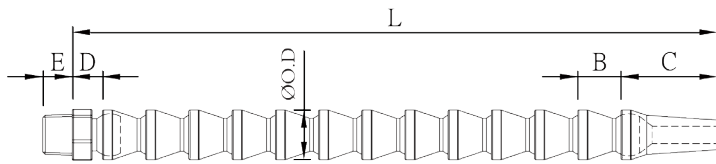
Advantage：(1) Can be bent left and right, excellent fixation, the length can be increased or shortened due to demand.
 (2) Suitable for low pressure (1.8 ~ 3.2 kg/cm²) liquid transfer (maximum operating temperature 65 °C)
 (3) Suitable for oil filling of machine tool coolant, or hardware tools, decorative items, measuring instrument brackets, etc.



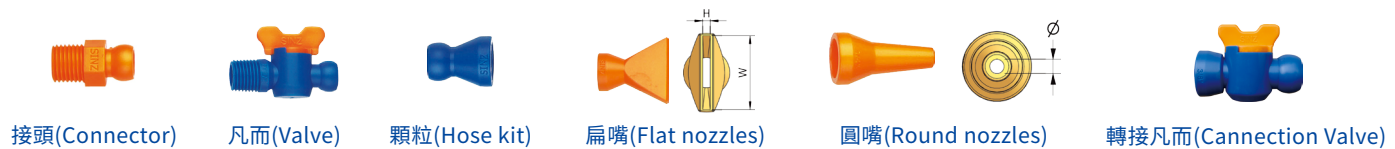
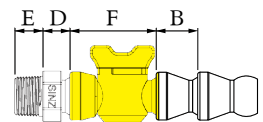
TYPE-HK803



TYPE-HK801



$$L = D + (\text{顆粒數} \times B) + C$$



接頭(Connector) 凡而(Valve) 顆粒(Hose kit) 扁嘴(Flat nozzles) 圓嘴(Round nozzles) 轉接凡而(Connection Valve)

項目	螺紋 E			接頭 D				顆粒 B	扁型噴嘴 W			圓型噴嘴 Ø			轉接凡而 F			
	PT1/8"	PT1/4"	PT3/8"	PT1/8"	PT1/4"	PT3/8"	PT凡而		W	H	C	Ø1.6	Ø3.3	Ø6.8				
1/4管(Ø16)	PT1/8"	PT1/4"	PT3/8"	PT1/8"	PT1/4"	PT3/8"	PT凡而	1/4"(16°)	W	25.0	Ø1.6	Ø3.3	Ø6.8	1/4"				
長度 Length	8.0	10.5	10.5	10.8	10.8	10.8	25.8	H	1.8	C					30.0	30.0	35.0	29.6

項目	螺紋 E		接頭 D			顆粒 B	扁型噴嘴 W			圓型噴嘴 Ø			轉接凡而 F			
	PT3/8"	PT1/2"	PT3/8"	PT1/2"	PT凡而		W	H	C	Ø6.5	Ø9.6	Ø12				
3/8管(Ø20)	PT3/8"	PT1/2"	PT3/8"	PT1/2"	PT凡而	3/8"(20°)	W	32.0	Ø6.5	Ø9.6	Ø12	3/8"				
長度 Length	12.0	14.5	12.3	12.3	28.0	H	3.6	C					32.0	39.0	32.5	36.0

項目	螺紋 E		接頭 D			顆粒 B	扁型噴嘴 W			圓型噴嘴 Ø			轉接凡而 F					
	PT3/8"	PT1/2"	PT3/8"	PT1/2"	PT凡而		W	H	C	Ø6.5	Ø9.6	Ø12						
1/2管(Ø25)	PT3/8"	PT1/2"	PT3/8"	PT1/2"	PT凡而	1/2"(25°)	W	32.0	47.5	61.0	Ø6.5	Ø9.6	Ø12	3/2"				
長度 Length	12.0	14.5	13.0	13.0	36.0	H	5.2	4.2	3.6	C					41.0	49.0	50.0	47.5

項目	螺紋 E	接頭 D	顆粒 B	扁型噴嘴 W			圓型噴嘴 Ø				
	PT3/4"	PT3/4"		W	H	C	Ø16.0	Ø19.0			
3/4管(Ø31)	PT3/4"	PT3/4"	3/4"(31°)	W	77.5	Ø16.0	Ø19.0				
長度 Length	15.5	16.4	23.9	H	5.0			C	54.0	43.0	43.0

購買鏈條護管時稱呼

WHEN BUYING CABLE CHAINS

頁碼	護管型式	番號	內寬	彎曲半徑	長度	法蘭裝置方法
008	SQ303	III (3)		R100	2300L	NO2
012	SQ603	II (2)		R35	800L	NO4
014	SQ604	IV (4)		R40	1500L	NO3
016	SQ812	I(1)	C45	R35	1000L	NO3
017	SQ813	III (3)	C85	R150	1300L	NO5
018	SQ822	II (2)	C105	R100	2000L	NO1
019	SQ823	IV (4)	C150	R250	2200L	NO7
021	SQ602	I (1)		R27	1080L	NO1
022	SQ402	V (5)		R150	3500L	NO7
023	SQ403	III (3)		R225	3000L	NO6
026	SQ502	VI (6)		R200	4500L	NO1
027	SQ503	IV (4)		R350	4000L	NO2
030	SQ301	III (3)		R250	1400L	NO10
032	SQ902	II (2)	C100	R140	5000L	NO2
033	SQ903	III (3)	C300	R500	6500L	NO4



Certificat

Certificate

N° 2019/85259.2

AFNOR Certification certifies that the management system implemented by:
AFNOR Certification certifie que le système de management mis en place par:

SINZ ENTERPRISE CO., LTD.
欣軍企業股份有限公司

for the following activities:
pour les activités suivantes :

DESIGN AND MANUFACTURE OF METAL AND PLASTIC FLEXIBLE CONDUITS AND ATTACHED TERMINALS.
金屬及塑膠軟管及其附屬各式接頭之設計及製造

has been assessed and found to meet the requirements of:
a été évalué et jugé conforme aux exigences requises par :

ISO 9001 : 2015

and is developed on the following locations:
et est déployé sur les sites suivants :

NO.01, IND. NORTH 3RD ROAD, NAN KANG INDUSTRIAL PARK, NAN TOW CITY, TAIWAN R.O.C.
南投市南開工業區工業北三路1號

SING-CHYI ENTERPRISE CO., LTD.
興新企業股份有限公司
NO. 836, SHUANG WEN ROAD, TA-LI DIST, TAICHUNG CITY, TAIWAN, R.O.C.
台中市大里區雙文路 836 號

This certificate is valid from (year/month/day)
Ce certificat est valable à compter du (année/mois/jour)

2023-02-16 until (year/month/day)
jusqu'au **2025-12-24**



Julien NIZRI
Managing Director of AFNOR Certification
Directeur Général de AFNOR Certification



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11 rue François de Pressensé - 92571 La Plaine Saint-Denis Cedex - France - T. +33 (0)1 41 62 90 00 - F. +33 (0)1 40 17 90 00
SAS au capital de 19 187 000 € - 419 078 902 RCS Bologny - www.afnor.org

CERTIFICATE OF COMPLIANCE


Certificate Number: 20140906-E241290
Report Reference: E241290-20040405
Issue Date: 2014-SEPTEMBER-06

Issued to: SING CHIUN ENTERPRISE CO LTD
NAN KANG INDUSTRIAL PARK
1 INDUSTRY N 3RD RD
NAN TOU
540 TAIWAN

This is to certify that representative samples of FLEXIBLE METAL CONDUIT, LIQUID-TIGHT Flexible Metal Conduit, Liquid-Tight, Model PT-705, Trade Sizes 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, and 4 in. Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 360 standard for Liquid Tight flexible Steel Conduit.
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.
The UL Listing Mark generally includes the following elements: the symbol UL in a circle, with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.
Look for the UL Listing Mark on the product.



Page 1 of 1

CERTIFICATE OF COMPLIANCE

Certificate Number E523702
Report Reference E523702-20220429
Date 2022-April-29

Issued to: SING CHIUN ENTERPRISE CO LTD
 Nan Kang Industrial Park
 1 Industry N 3Rd Rd
 Nan Tou 540 TW

This is to certify that representative samples of TUBING, MECHANICAL PROTECTION AND FITTINGS - COMPONENT
 See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 1696, Mechanical Protection Tubing (MPT) and Fittings
 CSA C22.2 No. 227.3-21, Mechanical Protection Tubing (MPT) and Fittings

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Bruce Mahrenholz, Director North American Certification Program
 UL LLC
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CERTIFICATE OF COMPLIANCE

Certificate Number E523702
Report Reference E523702-20220429
Date 2022-April-29

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Tubing, Mechanical Protection

NL206U Series, Cat Nos. ANL206U0200000,ANL206U0250000,ANL206U0300000, ANL206U0400000,ANL206U0600000,ANL206U1000000,ANL206U1200000, ANL206U1400000,ANL206U2000000,ANL206U2400000

Bruce Mahrenholz, Director North American Certification Program
 UL LLC
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CERTIFICATE OF COMPLIANCE

Certificate Number E523702
Report Reference E523702-20220430
Date 2022-April-29

Issued to: SING CHIUN ENTERPRISE CO LTD
 Nan Kang Industrial Park
 1 Industry N 3Rd Rd
 Nan Tou 540 TW

This is to certify that representative samples of TUBING, MECHANICAL PROTECTION AND FITTINGS - COMPONENT
 See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 1696/ CSA C22.2 No. 227.3-21, Mechanical Protection Tubing (MPT) and Fittings

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

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Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Bruce Mahrenholz, Director North American Certification Program
 UL LLC
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CERTIFICATE OF COMPLIANCE

Certificate Number E523702
Report Reference E523702-20220430
Date 2022-April-29

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Fittings

FLBU Series, (Straight, Thread: PF), Cat Nos. A0FLBU00250F04,A0FLBU00300F04, A0FLBU00400F04,A0FLBU00600F06,A0FLBU01000F10,A0FLBU01200F12,A0FLBU01400F14, A0FLBU02000F20

FLBU Series (Straight, Thread: PG), Cat Nos. A0FLBU00200G07,A0FLBU00250G09, A0FLBU00250G11,A0FLBU00250G13,A0FLBU00300G11,A0FLBU00300G13, A0FLBU00400G16,A0FLBU00600G21,A0FLBU01000G29,A0FLBU01200G36, A0FLBU02000G48

FLBU Series (Straight, Thread: Metric), Cat Nos. A0FLBU00250M16,A0FLBU00250M20, A0FLBU00300M16,A0FLBU00300M20,A0FLBU00400M20,A0FLBU00600M25, A0FLBU01000M32,A0FLBU01200M40,A0FLBU01400M50,A0FLBU02000M63,

FLLU 90° Angle Series (Thread: PF), Cat Nos. A0FLLU00300F04,A0FLLU00400F04, A0FLLU00600F06,A0FLLU01000F10,A0FLLU01200F12,A0FLLU01400F14, A0FLLU02000F20

FLLU 90° Angle Series (Thread: PG), Cat Nos. A0FLLU00200G07,A0FLLU00250G09, A0FLLU00300G11,A0FLLU00400G16,A0FLLU00600G21,A0FLLU01000G29, A0FLLU01200G36,A0FLLU02000G48

FLLU 90° Angle Series (Thread: Metric), Cat Nos. A0FLLU00300M16, A0FLLU00300M20, A0FLLU00400M20,A0FLLU00600M25,A0FLLU01000M32,A0FLLU01200M40, A0FLLU01400M50

FLSU Series (Straight Female, Thread: UNEF), Cat Nos. A0FLSU0025004A, A0FLSU0030004A,A0FLSU0030006A,A0FLSU0030008A,A0FLSU0030010A, A0FLSU0030012A,A0FLSU0040010A,A0FLSU0040012A,A0FLSU0040016A, A0FLSU0060012A,A0FLSU0060016A,A0FLSU0100016A

FLSU Series (Straight Female, Thread: UNS), Cat Nos. A0FLSU0060020A,A0FLSU0100020A

FLSU Series (Straight Female, Thread: Metric), Cat Nos. A0FLSU00250M13,A0FLSU00300M13, A0FLSU00300M18

Bruce Mahrenholz, Director North American Certification Program
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