

產品外觀

PRODUCT APPEARANCE

德國 DIN 74324 技術規格製造之尼龍管材
Nylon Tubing Manufactured to German
DIN 74324 Specifications



訂購代號

ORDER NO.

CDIN

系列	
伸縮	
C	DIN

9*12

內外管徑	
9*12	mm

16

圈數
16
22

M16*1.5

接頭
M16*1.5
M18*1.5
M22*1.5
BSP 1/2

BU

顏色	
BU	藍色
R	紅色

特點

FEATURES

- 管材外形穩定，不易因壓力變化而變形
Maintains dimensional stability and resists deformation caused by pressure fluctuations.
- 產品依據 DIN 74324 規範進行製造與品質控制，並依標準要求設計管材結構及耐壓性能，使其在規定的壓力與溫度範圍內維持穩定且一致的物理與機械性能
Manufactured in accordance with DIN 74324, with the tubing construction and pressure performance designed to meet the standard requirements, ensuring stable and consistent physical and mechanical properties within the specified pressure and temperature ranges.
- 螺旋結構設計，可因應氣壓煞車管路之反覆伸縮需求
Spiral design, suitable for repeated extension and retraction in air brake line applications.

適用範圍

APPLICATIONS

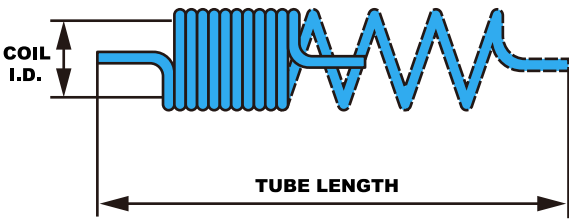
- 適用於車用空氣煞車系統之伸縮式管路應用，以及具動態位移需求之煞車管路連接
Suitable for coiled air brake line applications and brake line connections requiring dynamic movement in vehicle air brake systems.

公制尺寸 Metric Size

型 號 TYPE	管 材 內 徑 Tube I.D.	管 材 外 徑 Tube O.D.	捲 收 內 徑 Coil I.D.	伸 縮 圈 數 Number of Coils	留 尾 長 度 End Tail Length	工 作 長 度 Working Length	接 頭 Fitting	留 尾 型 式 Tail Type
CDIN-2216	9 mm	12 mm	76 mm	22	100 / 100 mm	3.35 m	M16*1.5	b / d
CDIN-2218	9 mm	12 mm	76 mm	22	100 / 100 mm	3.35 m	M18*1.5	b / d
CDIN-2222	9 mm	12 mm	76 mm	22	100 / 100 mm	3.35 m	M22*1.5	b / d
CDIN-2212	9 mm	12 mm	76 mm	22	100 / 100 mm	3.35 m	BSP 1/2	b / d
CDIN-1616	9 mm	12 mm	76 mm	16	100 / 900 mm	3.35 m	M16*1.5	a / c
CDIN-1618	9 mm	12 mm	76 mm	16	100 / 900 mm	3.35 m	M18*1.5	a / c
CDIN-1622	9 mm	12 mm	76 mm	16	100 / 900 mm	3.35 m	M22*1.5	a / c
CDIN-1612	9 mm	12 mm	76 mm	16	100 / 900 mm	3.35 m	BSP 1/2	a / c

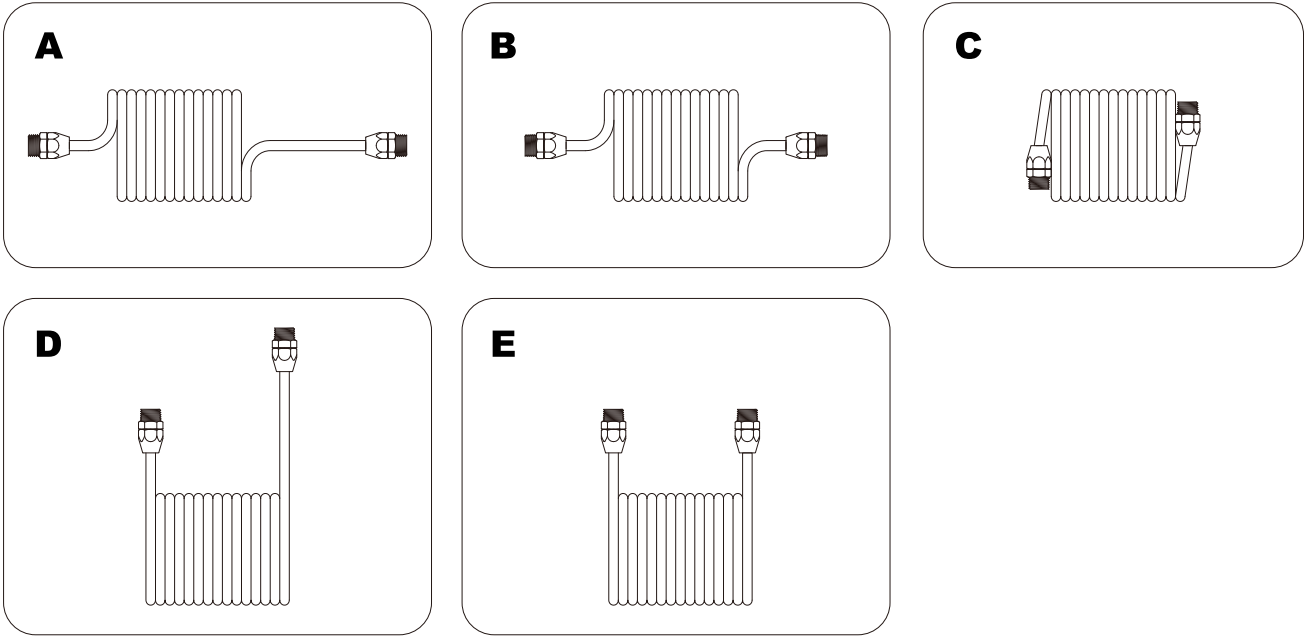
溫度範圍 Temperature Range	-40°C~80°C / -40°F~176°F
材質 Material	聚醯胺 Polyamide (PA)

Dimensions for coiled tubing



尾端型式選擇

TAIL STYLE CHOICE



產品外觀

PRODUCT APPEARANCE

美國 SAE J844 技術規格製造之尼龍管材
Nylon Tubing Manufactured to SAE
J844 Specifications



訂購代號

ORDER NO.

CSAE

系列	
伸縮	
C	SAE

3/8*1/3

內外管徑
3/8*1/2

16

圈數
16
14
21
12
34
25
8

12 / 12

留尾長度
6 / 6
6 / 12
12 / 12
12 / 40
6 / 8

BU

顏色	
BU	藍色
R	紅色

特點

FEATURES

- 管材外形穩定，不易因壓力變化而變形
Maintains dimensional stability and resists deformation caused by pressure fluctuations.
- 產品依據 SAE J844 規範進行製造與品質控制，並依標準要求設計管材結構及耐壓性能，使其在規定的壓力與溫度範圍內維持穩定且一致的物理與機械性能
Manufactured in accordance with SAE J844, with the tubing construction and pressure performance designed to meet the standard requirements, ensuring stable and consistent physical and mechanical properties within the specified pressure and temperature ranges.
- 螺旋結構設計，可因應氣壓煞車管路之反覆伸縮需求
Spiral design, suitable for repeated extension and retraction in air brake line applications.

適用範圍

APPLICATIONS

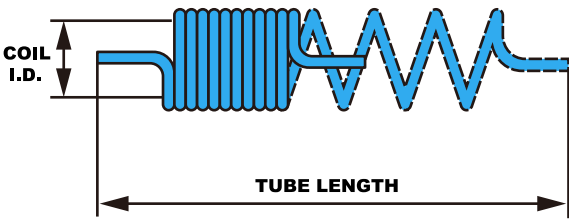
- 適用於車用空氣煞車系統之伸縮式管路應用，以及具動態位移需求之煞車管路連接
Suitable for coiled air brake line applications and brake line connections requiring dynamic movement in vehicle air brake systems.

英制尺寸 Inch Size

型 號 TYPE	管材內徑 Tube I.D.	管材外徑 Tube O.D.	捲收內徑 Coil I.D.	伸縮圈數 Number of Coils	留尾長度 End Tail Length	工作長度 Working Length	接頭 Fitting	留尾型式 Tail Type
CSAE-1606	3/8"	1/2"	3"	16	6 / 6	12"	1/2 NPT	b / d
CSAE-1406	3/8"	1/2"	3"	14	6 / 12	12"	1/2 NPT	a / c
CSAE-2112	3/8"	1/2"	3"	21	12 / 12	15"	1/2 NPT	b / d
CSAE-1212	3/8"	1/2"	3"	12	12 / 40	15"	1/2 NPT	a / c
CSAE-3412	3/8"	1/2"	3"	34	12 / 12	20"	1/2 NPT	b / d
CSAE-2512	3/8"	1/2"	3"	25	12 / 40	20"	1/2 NPT	a / c
CSAE-1206	3/8"	1/2"	3"	12	6 / 8	6"	1/2 NPT	a / c
CSAE-0806	3/8"	1/2"	3"	8	6 / 8	14.5"	1/2 NPT	a / c

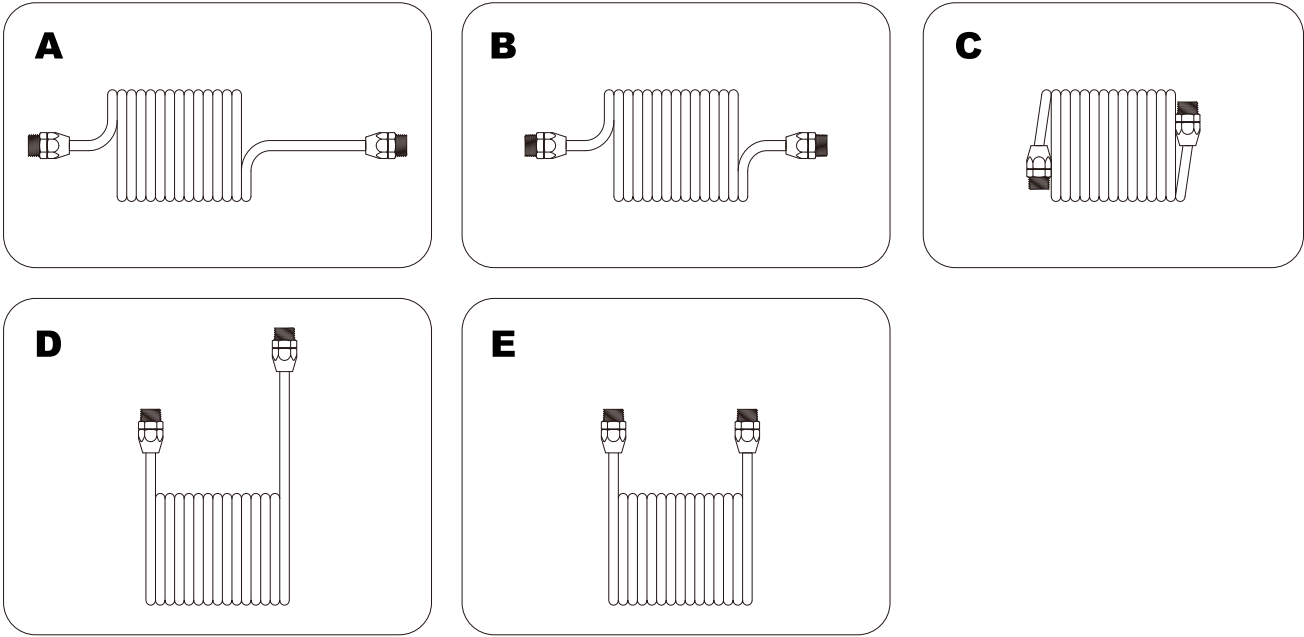
溫度範圍 Temperature Range	-40°C~80°C / -40°F~176°F
材質 Material	特殊尼龍材質 Specially formulated nylon material

Dimensions for coiled tubing



尾端型式選擇

TAIL STYLE CHOICE



煞車伸縮管介紹

Air Brake Coil Hose Overview

煞車伸縮管是商用車氣壓煞車系統中的重要管路元件，主要用於牽引車與拖車之間傳輸壓縮空氣，使制動控制訊號能可靠地傳遞至拖車端的煞車裝置。

大型商用車（如卡車、拖車、公車及聯結車）普遍採用氣壓煞車系統，其主要由空氣壓縮機、儲氣筒、控制閥、制動裝置及管路等組成。

與固定於車輛底盤的氣壓煞車直管不同，煞車伸縮管安裝於牽引車與拖車之間的動態連接位置。為配合轉向、轉彎及行駛過程中的相對位移，管路採用螺旋伸縮結構，可依連接距離自由伸縮，降低管路受力並維持穩定的空氣傳輸。

An air brake coil hose is a key component of commercial vehicle air brake systems. It is designed to transfer compressed air between the tractor and trailer, ensuring reliable air delivery to the trailer braking system.

Heavy-duty commercial vehicles, including trucks, trailers, buses, and articulated vehicles, commonly use air brake systems consisting of an air compressor, air reservoir, control valves, brake actuators, and air lines.

Unlike rigid air brake tubing installed along the vehicle chassis, an air brake coil hose is used at the dynamic connection between the tractor and trailer. Its coiled design allows the hose to extend and retract as the vehicles move, turn, or change distance, helping maintain reliable air flow while reducing stress on the hose.

管材性能比較

Tubing Material Comparison

型 號 TYPE	DIN 煞車伸縮管 DIN Air Brake Coil Hose	SAE 煞車伸縮管 SAE Air Brake Coil Hose
管材材質 Material	PA12 尼龍材質 PA12 nylon material	特殊尼龍材質 Specially formulated nylon material
適用規範 Applicable Standards	管材符合 DIN 73378 / DIN 74324 Tubing complies with DIN 73378 and DIN 74324	符合 SAE J844 / D.O.T. FMVSS 106 Complies with SAE J844 and D.O.T. FMVSS 106
建議用途 Recommended Applications	適用於歐洲車用氣壓煞車系統 For European vehicle air brake systems	適用於北美車用氣壓煞車系統 For North American vehicle air brake systems
尺寸系統 Dimension System	公制尺寸 Metric Size	英制尺寸 Inch Size

產品符合不同地區之標準規範，可依實際應用需求及規格選擇適用型號

Products comply with different regional standards. Select the appropriate model based on application requirements and specifications.

備註

NOTES

- 評等僅供材料特性比較參考
Ratings are provided for material performance comparison only.
- 如有特殊應用需求，請洽詢本公司技術人員
Please contact our technical team for special application requirements.