

High-Performance Air Hoses and Belts

Advanced Thermoplastic Polyurethane Solutions

Dingzing



Perfloa Air Hoses and Hydration Tubes

Our Perfloa air hoses and hydration tubes are designed primarily for the automobile and construction industries.

Perfloa air hoses are excellent for pneumatic applications, such as air tools, oxygen lines, and vacuum equipment, while Perfloa hydrations tubes are designed for hydration applications, such as garden hoses and reservoir tubes.

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Aldura Transmission and Conveyor Belts

Our Aldura transmission and conveyor belts are suitable for light-weight industrial applications, such as the conveyance and transmission of food, newspapers, ceramics, and textiles, among others.

In particular, our Aldura belts are exceptionally good for food conveyance, since all of our Aldura belts are made of plasticizer-free materials.

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DingZing Advanced Materials Inc. is one of the world’s leading providers of thermoplastic polyurethane (TPU) products and solutions.

For more than thirty-plus years, DingZing has been producing high-performance TPU air hoses and hydration tubes, and advanced TPU transmission and conveyor belts. Not only are all of these products environmentally friendly, but they also feature all the outstanding physical and mechanical properties of TPU. Our Perfloa air hoses and hydration tubes provide premium quality while delivering well-controlled tolerance, high burst pressure, and excellent roundness. At the same time, our Aldura transmission and conveyor belts offer exceptional uniformity and reliable, consistent performance.



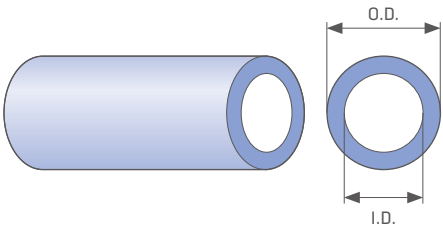
Perfloa Hydration Tubes

Our Perfloa hydration tubes are soft, non-toxic, odorless, and free of all plasticizers. They also do not kink easily and excel at delivering a perfect flow of liquids. Perfloa hydration tubes are available in a variety of different sizes and colors.

Part No. 項目編號

HTS5080 / HTS5085

I.D. x O.D. 內徑 x 外徑	
mm	inch
6.35 x 9.5	1/4 x 3/8
8.0 x 11.0	5/16 x 0.43"



Availability 樣式選擇

Color 顏色	
	Transparent 透明
	Transparent Blue 透明藍
	Transparent Red 透明紅
	Silver 銀
Customized colors for our Perfloa hydration tubes are available upon request.	

FDA Grade

Hardness 硬度	
HTS5080	80A
HTS5085	85A



Perfloa Braided Hoses

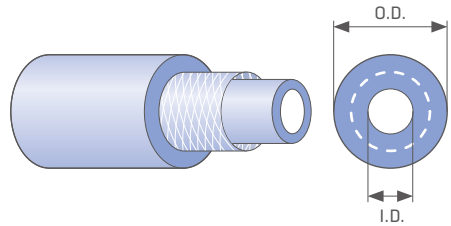
Our Perfloa braided hoses are lightweight, with high tensile strength, excellent abrasion resistance, and high burst pressure. They also provide good fuel, oil, and chemical resistance. With a wide range of application temperatures (from -30°C to +70°C), Perfloa braided hoses provide a long service life while maintaining high elasticity. In particular, Perfloa braided hoses can be used in automobile service stations and construction sites for washing, painting, or assembly.

Part No. 項目編號

HSB2085

I.D. x O.D. 內徑 x 外徑		Max. Working Pressure 最大工作壓		Burst Pressure 爆破壓力	
mm	inch	kg/cm²	PSI	bars	PSI
6.5 x 10.0	1/4 x 3/8	16	232	72	1044
7.0 x 10.0		16	232	64	928
8.0 x 12.0	5/16 x 15/32	16	232	64	928
8.5 x 12.5		16	232	64	928
9.5 x 13.5	3/8 x 9/16	14	203	56	812
10.0 x 14.5		14	203	56	812
11.0 x 16.0		12	174	48	696
13.0 x 18.0	1/2 x 3/4	10	145	40	580

All data are approximate and correct to the best of our knowledge and are not guaranteed.



Availability 樣式選擇

Color 顏色	
	Blue 藍
	Red 紅

Customized colors for our Perfloa braided hoses are available upon request.

FDA Grade All Perfloa hoses are available in FDA Grade.

Type 種類	
	Single Braided Hose 單夾紗管
	Twin Braided Hose 雙夾紗管



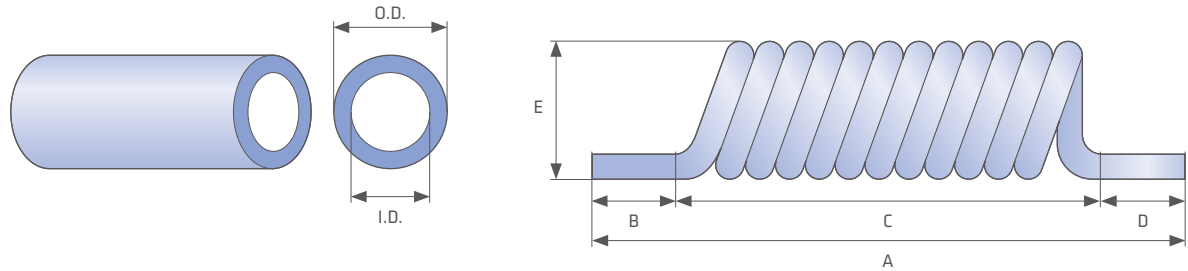
Perfloa Recoil Hoses

Our Perfloa recoil hoses are lightweight, but feature high tensile strength and excellent abrasion resistance. With a wide range of application temperatures (from -30°C to +70°C), they also provide a long service life with good flexibility. Perfloa recoil hoses are particularly suitable for air tools, machinery, and the automotive industry.

Part No. 項目編號

HSR2095

I.D. x O.D 內徑 x 外徑	Max. Working Pressure 最大工作壓		Burst Pressure 爆破壓力	
mm	kg/cm²	PSI	kg/cm²	PSI
5.0 x 8.0	10	145	25	362
6.5 x 10.0	10	145	25	362
8.0 x 12.0	10	145	25	362
9.5 x 13.5	10	145	25	362
11.0 x 16.0	10	145	25	362
All data are approximate and correct to the best of our knowledge and are not guaranteed.				



Availability 樣式選擇

Color 顏色	
	Blue 藍
	Red 紅
Customized colors for our Perfloa recoil hoses are available upon request.	

FDA Grade All Perfloa hoses are available in FDA Grade.

Length 長度	
Whole Length 全長 (m)	Working Length 工作長度 (m)
2.5	2.0
5.0	4.0
7.5	6.0
10.0	8.0



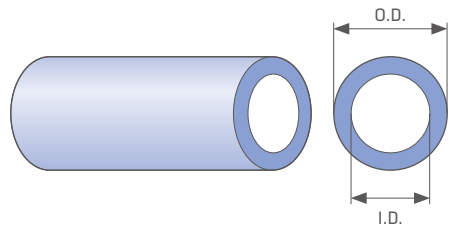
Perfloa Straight Hoses

Our Perfloa straight hoses are lightweight, but feature high tensile strength and excellent abrasion resistance. In particular, they deliver premium quality with well-controlled tolerance and excellent roundness. With a wide range of application temperatures (from -30°C to +70°C), Perfloa straight hoses provide a long service life while maintaining high elasticity. Perfloa straight hoses come in a range of hardness, from 70A to 98A.

Part No. 項目編號

HSS2095



I.D. x O.D. 內徑 x 外徑	Max. Working Pressure 最大工作壓		Burst Pressure 爆破壓力	
mm	kg/cm ²	PSI	kg/cm ²	PSI
2.5 x 4.0	10	145	25	362
3.0 x 5.0	10	145	25	362
4.0 x 6.0	10	145	25	362
5.0 x 8.0	10	145	25	362
6.0 x 8.0	10	145	25	362
6.5 x 10.0	10	145	25	362
8.0 x 12.0	10	145	25	362
9.5 x 13.5	10	145	25	362
11.0 x 16.0	10	145	25	362
All data are approximate and correct to the best of our knowledge and are not guaranteed.				



Availability 樣式選擇

Color 顏色	
	Blue 藍
	Red 紅
Customized colors for our Perfloa straight hoses are available upon request.	

FDA Grade All Perfloa hoses are available in FDA Grade.

Type 種類	
	Single Straight Hose 單直管
	Multiple Straight Hose 雙直管

Technical Data 物性資料

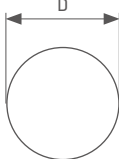
	Hydration Tube 飲水管		Braided Hose 夾紗管				Non-Braided Hose 非夾紗管			
	Ether-based TPU 聚醚系列物性		Ether-based TPU 聚醚系列物性		Ester-based TPU 聚酯系列物性		Ether-based TPU 聚醚系列物性		Ester-based TPU 聚酯系列物性	
Properties 物性	Test Method 測試方法	Value 數值	Test Method 測試方法	Value 數值	Test Method 測試方法	Value 數值	Test Method 測試方法	Value 數值	Test Method 測試方法	Value 數值
Hardness 硬度	ASTM D2240	86 ±3 Shore A	ASTM D2240	85 Shore A	DIN 53505	85 Shore A	ASTM D2240	98 Shore A	ASTM D2240	95 Shore A
Density 比重	ASTM D792	1.12 g/cm³	DIN 53479	1.12 g/cm³	DIN 53479	1.2 g/cm³	ASTM D729	1.15 g/cm³	ASTM D729	1.22 g/cm³
Tensile Strength 拉力強度	ASTM D412	435 kg/cm²	ASTM D412	37.9 Mpa	DIN 53504	40 N/mm	ASTM D412	450 kg/cm²	ASTM D412	41.4 Mpa
Ultimate Elongation 伸長率	ASTM D412	470%	ASTM D412	500%	DIN 53504	450%	ASTM D412	500%	ASTM D412	450%
300% Modulus 300% 模數	ASTM D412	105 kg/cm²	-	-	-	-	ASTM D412	160 kg/cm2	-	-
Abrasion Loss 磨擦損耗	-	-	ASTM D3849	30 mg	DIN 53516	30 mm	-	-	-	-
Taber Abrasion 磨損	-	-	-	-	-	-	-	-	ASTM D3489	70mg Loss*
Rebound Resilience 彈性回復力	-	-	ASTM D2632	45%	DIN 53512	42%	-	-	-	-
Bayshore Resilience 回復力	-	-	-	-	-	-	-	-	ASTM D2632	25%
Tear Strength 撕裂強度	ASTM D1004	115 kg/cm	ASTM D624	87.6 kN/m	DIN 53515	70 kN/m	ASTM D624	90 kg/cm	ASTM D624	136 kN/m
H-18 wheel, 1000g load, 1000 cycles										

Aldura Rough-Surface Round Belts

Our Aldura rough-surface round belts offer a unique combination of mechanical, physical, and chemical benefits and advantages. In particular, they feature high tensile strength with excellent rebound resilience and elasticity. They also provide exceptionally high abrasion and impact resistance. Aldura rough-surface round belts are known for their exemplary weatherability, and they excel at performing reliably in a wide range of application temperatures, from -30°C to +70°C. Aldura rough-surface belts are especially suitable for the transmission and conveying of different materials.

Part No. 項目編號

BSR5088

Round 圓形	Diameter 直徑	Min. Pulley Diameter 最小輪徑	Packing 包裝
	mm	mm	m/roll
	3	30	400
	4	40	200
	5	50	200
	6	60	200
	7	70	100
	8	80	100
	9	90	100
	10	100	50
	12	120	50
	15	150	50
	18	180	50

Availability 樣式選擇

Color 顏色	
	Green 綠

Strength 強度	
	Standard 標準型
	Reinforced 強化型

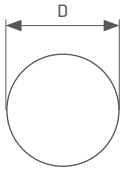
Applications 產品應用

- Newspaper conveying
- Packing machines
- Ceramic and stoneware processing plants
- Cannery conveying equipment
- Floor and roof tiles
- Wood-working machines
- Board plants, textile machines
- Power transmission belts
- Paper and cardboard converting industries

- 包裝機
 - 陶瓷磚
 - 食品
- 印刷機
 - 水泥磚
 - 磚頭
- 紡織機
 - 地磚
 - 報紙
- 傳動輪
 - 木製產品
 - 印刷品



BSS2085 / BSS2090

Round 圓形	Diameter 直徑	Min. Pulley Diameter 最小輪徑	Packing 包裝
	mm	mm	m/roll
	3	30	400
	4	40	200
	5	50	200
	6	60	200
	7	70	100
	8	80	100
	9	90	100
	10	100	50
	12	120	50
	15	150	50
	18	180	50

Availability 樣式選擇

Color 顏色	
	Red 紅
	Orange 橘
	Green 綠

Strength 強度	
	Standard 標準型
	Reinforced 強化型

Hardness 硬度	
BSS2085	85A
BSS2090	90A

Applications 產品應用

- Newspaper conveying
- Packing machines
- Ceramic and stoneware processing plants
- Cannery conveying equipment
- Floor and roof tiles
- Wood-working machines
- Board plants, textile machines
- Power transmission belts
- Paper and cardboard converting industries

- | | | | |
|-------|-------|-------|--------|
| • 包裝機 | • 印刷機 | • 紡織機 | • 傳動輪 |
| • 陶瓷磚 | • 水泥磚 | • 地磚 | • 木製產品 |
| • 食品 | • 磚頭 | • 報紙 | • 印刷品 |



Aldura V-belts

Our Aldura V-belts deliver outstanding tensile and tear strength. They also provide excellent resistance to oil, fuels, and chemicals. With high abrasion and impact resistance, Aldura V-belts offer exceptionally good rebound resilience and recovery ability, qualities which are especially important for the transmission and conveying of different materials.

Part No. 項目編號

BSV5088

V-belt V形	Code: BSV5088- (_)	Diameter 直徑	Min. Pulley Diameter 最小輪徑	Packing 包裝
		mm	mm	m/roll
	M	10.0 x 5.5	65	100
	A	13.0 x 9.0	85	30
	B	17.0 x 11.5	120	30
	C	22.0 x 14.0	150	30
	D	32.0 x 20.0	210	30

Availability 樣式選擇

Color 顏色	
	Red 紅
	Beige 米白
	Transparent 透明

Strength 強度	
	Standard 標準型
	Reinforced 強化型

Applications 產品應用

- Newspaper conveying
- Packing machines
- Ceramic and stoneware processing plants
- Cannery conveying equipment
- Floor and roof tiles
- Wood-working machines
- Board plants, textile machines
- Power transmission belts
- Paper and cardboard converting industries

- 包裝機
 - 陶瓷磚
 - 食品
- 印刷機
 - 水泥磚
 - 磚頭
- 紡織機
 - 地磚
 - 報紙
- 傳動輪
 - 木製產品
 - 印刷品



Part No. 項目編號

BS5588 / BS7088

Ridgetop 多角形	Code: BS5588-(-) BS7088-(-)	Diameter 直徑	Min. Pulley Diameter 最小輪徑	Packing 包裝
		mm	mm	m/roll
	A	13.0 x 16.0	170	30
	B	17.0 x 19.5	205	30
	C	BS5588: 22.0 x 27.0 BS7088: 22.0 x 24.5	295	30

Availability 樣式選擇

Shape 形狀		
	BS5588	Pentagon 五角
	BS7088	Ridgetop 七角

Color 顏色	
	Red 紅
	Beige 米白
	Transparent 透明

Strength 強度	
	Standard 標準型
	Reinforced 強化型

Applications 產品應用

- Newspaper conveying
- Packing machines
- Ceramic and stoneware processing plants
- Cannery conveying equipment
- Floor and roof tiles
- Wood-working machines
- Board plants, textile machines
- Power transmission belts
- Paper and cardboard converting industries

- | | | | |
|-------|-------|-------|--------|
| • 包裝機 | • 印刷機 | • 紡織機 | • 傳動輪 |
| • 陶瓷磚 | • 水泥磚 | • 地磚 | • 木製產品 |
| • 食品 | • 磚頭 | • 報紙 | • 印刷品 |

Technical Data 物性資料

	Rough-Surface Round Belts 粗面圓帶		Smooth-Surface Round Belts 光面圓帶		V-Belts 三角帶		Ridgetop Belts 多角帶	
Properties 物性	Test Method 測試方法	Value 數值	Test Method 測試方法	Value 數值	Test Method 測試方法	Value 數值	Test Method 測試方法	Value 數值
Hardness 硬度	DIN 53505	88 Shore A	ISO 868	85 Shore A	DIN 53505	88 Shore A	DIN 53505	88 Shore A
Density 比重	DIN 53505	1.19 g/cm³	ISO 1183	1200 kg/m³	DIN 53505	1.19 g/cm³	DIN 53505	1.19 g/cm³
Tensile Strength 拉力強度	DIN 53504	55 N/mm²	ISO 527-1,-3	6.0 MPa	DIN 53504	55 N/mm²	DIN 53504	55 N/mm²
20% Tensile Strength 20% 拉力強度	DIN 53504	3.5 N/mm²	–	–	DIN 53504	3.5 N/mm²	DIN 53504	3.5 N/mm²
100% Tensile Strength 100% 拉力強度	DIN 53504	6 N/mm²	DIN 53504	6 N/mm²	DIN 53504	6 N/mm²	DIN 53504	6 N/mm²
300% Tensile Strength 300% 拉力強度	DIN 53504	13 N/mm²	DIN 53504	13 N/mm²	DIN 53504	13 N/mm²	DIN 53504	13 N/mm²
Tensile Strength 21 days in 80°C Water 80°C 水中21天的抗拉強度	DIN 53504	40 N/mm²	–	–	DIN 53504	40 N/mm²	DIN 53504	40 N/mm²
Ultimate Elongation 伸長率	DIN 53504	600%	ISO 527-1,-3	450%	DIN 53504	600%	DIN 53504	600%
Elongation at Break 21 days in 80°C Water 80°C 水中21天的斷裂延伸率	DIN 53504	650%	–	–	DIN 53504	650%	DIN 53504	650%
Tear Strength 撕裂強度	DIN 53515	75 N/mm²	–	–	DIN 53515	13 N/mm²	DIN 53515	13 N/mm²
Abrasion Loss 磨擦損耗	DIN 53516	30 mm³	–	–	DIN 53516	30%	DIN 53516	30%
Compression Set 室溫壓縮變形率	DIN 53517	25%	–	–	DIN 53517	25%	DIN 53517	25%
70% Compression Set 70% 壓縮變形率	DIN 53517	40%	DIN 53517	40%	DIN 53517	40%	DIN 53517	40%



Science. Innovation. Collaboration.

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