

ø 3 to 16 mm

Available in a range of colours for ease of identification

In addition to general industrial applications Nylon is suitable for use on air braking systems of commercial vehicles and conforms to DIN 74324. (Applicable sizes; 6, 8, 10, 12, 16mm O/D)

25 metre lengths supplied in cartons providing good protection and easy storage

Polyurethane offers excellent mechanical properties and industry leading flexibility



Technical data

Medium:

Compressed air.

Consult our Technical Service for use with other fluids

Operating pressure:

Refer to specific tubing type on the following pages

Ambient temperature:

Refer to specific tubing type on the following pages

Ordering information

See page 2

Materials:

Nylon tube:

Nylon (polyamide) type 12, fully plasticised and light stabilised. Metric tube meets the requirements of DIN 74324

Polyurethane tube:

Is light stabilised and has a hardness of Shore D 52

Nylon tube

Colour	Length (m)	O/D I/D tube 4/2,5*	5/3*	6/4	8/6	10/7,5	12/9	14/11*	16/12
Natural	25	PA2-0004025C	PA2-0005025C	PA2-0006025C	PA2-0008025C	PA2-0010025C	PA2-0012025C	PA2-0014025C	PA2-0016025C
Natural	100	PA2-0004100	-	PA2-0006100	PA2-0008100	PA2-0010100	PA2-0012100	-	-
Red	25	PA2-0104025C	PA2-0105025C	PA2-0106025C	PA2-0108025C	PA2-0110025C	PA2-0112025C	PA2-0114025C	PA2-0116025C
Red	100	PA2-0104100	-	PA2-0106100	PA2-0108100	PA2-0110100	PA2-0112100	-	-
Green	25	PA2-0204025C	PA2-0205025C	PA2-0206025C	PA2-0208025C	PA2-0210025C	PA2-0212025C	PA2-0214025C	PA2-0216025C
Green	100	PA2-0204100	-	PA2-0206100	PA2-0208100	PA2-0210100	PA2-0212100	-	-
Yellow	25	PA2-0304025C	PA2-0305025C	PA2-0306025C	PA2-0308025C	PA2-0310025C	PA2-0312025C	PA2-0314025C	PA2-0316025C
Yellow	100	PA2-0304100	-	PA2-0306100	PA2-0308100	PA2-0310100	PA2-0312100	-	-
Blue	25	PA2-0504025C	PA2-0505025C	PA2-0506025C	PA2-0508025C	PA2-0510025C	PA2-0512025C	PA2-0514025C	PA2-0516025C
Blue	100	PA2-0504100	-	PA2-0506100	PA2-0508100	PA2-0510100	PA2-0512100	-	-
Black	25	PA2-0704025C	PA2-0705025C	PA2-0706025C	PA2-0708025C	PA2-0710025C	PA2-0712025C	PA2-0714025C	PA2-0716025C
Black	100	PA2-0704100	-	PA2-0706100	PA2-0708100	PA2-0710100	PA2-0712100	-	-
Silver	25	PA2-0904025C	PA2-0905025C	PA2-0906025C	PA2-0908025C	PA2-0910025C	PA2-0912025C	PA2-0914025C	PA2-0916025C
Silver	100	PA2-0904100	-	PA2-0906100	PA2-0908100	PA2-0910100	PA2-0912100	-	-

* Tube size not within DIN 74324

Note: C at last digit in the part number indicates packaged in box

Polyurethane tube

Colour	Length (m)	O/D I/D tube 3/2	4/2,5	5/3	6/4	8/5,5	10/7	12/8	16/11
Natural	25	PU2-0003025C	PU2-0004025C	PU2-0005025C	PU2-0006025C	PU2-0008025C	PU2-0010025C	PU2-0012025C	PU2-0016025C
Natural	100	PU2-0004100	-	-	-	-	-	-	-
Red	25	PU2-0104025C	PU2-0105025C	PU2-0106025C	PU2-0108025C	PU2-0110025C	PU2-0112025C	PU2-0114025C	PU2-0116025C
Red	100	PU2-0104100	-	-	-	-	-	-	-
Green	25	PU2-0204025C	PU2-0205025C	PU2-0206025C	PU2-0208025C	PU2-0210025C	PU2-0212025C	PU2-0214025C	PU2-0216025C
Green	100	PU2-0204100	-	-	-	-	-	-	-
Yellow	25	PU2-0304025C	PU2-0305025C	PU2-0306025C	PU2-0308025C	PU2-0310025C	PU2-0312025C	PU2-0314025C	PU2-0316025C
Yellow	100	PU2-0304100	-	-	-	-	-	-	-
Blue	25	PU2-0503025C	PU2-0504025C	PU2-0505025C	PU2-0506025C	PU2-0508025C	PU2-0510025C	PU2-0512025C	PU2-0516025C
Blue	100	PU2-0504100	-	-	-	-	-	-	-
Black	25	PU2-0704025C	PU2-0705025C	PU2-0706025C	PU2-0708025C	PU2-0710025C	PU2-0712025C	PU2-0714025C	PU2-0716025C
Black	100	PU2-0704100	-	-	-	-	-	-	-
Silver	25	PU2-0904025C	PU2-0905025C	PU2-0906025C	PU2-0908025C	PU2-0910025C	PU2-0912025C	PU2-0914025C	PU2-0916025C
Silver	100	PU2-0904100	-	-	-	-	-	-	-

Note: C at last digit in the part number indicates packaged in box

Options selector

P★2-0★★★★★★

Material	Substitute		Packaging	Substitute
Nylon tube	A		25m Carton/Box	C
Polyurethane tube	U		100 m Plastic bag	None
Colour	Substitute		Length (m)*	Substitute
Natural	0		25	025
Red	1		100	100
Green	2			
Yellow	3			
Blue	5			
Black	7			
Silver	9			
			Outer diameter	Substitute
			3	03
			4	04
			5	05
			6	06
			8	08
			10	10
			12	12
			14	14
			16	16

* Larger length's available contact Norgren technical service

Ordering example

Nylon tube in red, outer Ø 6 mm,
length 25 m
Quote: PA2-016025C

Maximum operating pressures and bend radii

	Material	Ø 3	Ø 4	Ø 5	Ø 6	Ø 8	Ø 10	Ø 12	Ø 14	Ø 16
Max. pressure (bar)*	Nylon		31	33	27	19	19	19	16	19
at -40°C to +20°C	Polyurethane	9	10	11	9	9	9	9	–	8
Min. bend radius	Nylon		25	25	30	40	60	60	80	95
	Polyurethane	–	6	7	9	16	17	25	–	–

Maximum continuous working temperature: nylon +80°C, polyurethane +60°C

* Multiply by factors in table below for use at higher temperatures

Operating pressure/temperature conversion factors

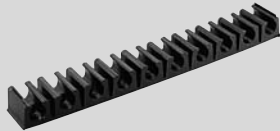
Working temperature	Factor (Nylon)	Factor (Polyurethane)
-40°C to +20°C	1,00	1,00
+30°C	0,83	0,85
+40°C	0,75	0,70
+50°C	0,64	0,60
+60°C	0,57	0,50
+80°C	0,47	–

To calculate working pressures at various temperatures, multiply working pressure at -40° to +20°C by factor given in table

Maximum continuous working temperature: Nylon +80°, Polyurethane +60°C

Accessories

Tubing channels



Model	Tube Ø	No. of channels
100HA0600	6	10
100HA0800	8	10
100H61200	12	6

Tube Clips – single sided



Model	Tube Ø
34021802	4
34021804	6
34021805	8
34021806	10
34021807	12
34021508	16

Tube Cutter



Model	Description
M/3314	Cutter
39012010	Replacement blade (pack of 10)
39012061	Replacement blade (1-off)

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **‘Technical Data’**.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

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