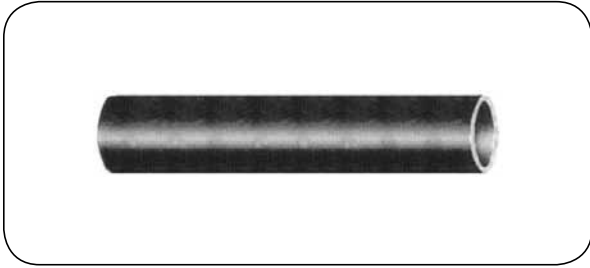


INDUSTRIAL PNEUMATICS - hoses

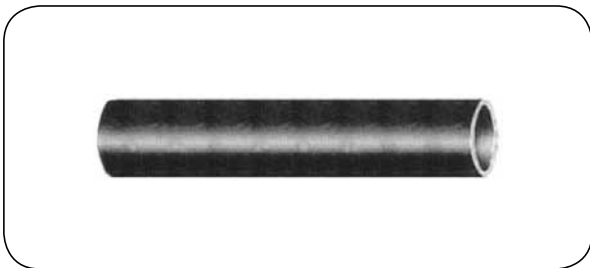


PE

Hose material: LDPE polyethylene
Working temp.: From -30°C up to +70°C

Lightweight, flexible hose designed for air, water and other media. Resistant to chemicals, tasteless, for application with food products. Complies with BGA and FDA standards.

code	O.D. [mm]	tolerance [mm]	I.D. [mm]	working pressure [bar]	bending radius [mm]	standard length [m]
NP-PE-04X02	4	± 0.1	2	17	20	50
NP-PE-05X03	5	± 0.1	3	12.5	20	50
NP-PE-06X04	6	± 0.1	4	10	30	50
NP-PE-08X05	8	± 0.1	5	13	40	50
NP-PE-08X06	8	± 0.1	6	7	30	50
NP-PE-10X08	10	± 0.1	8	5.6	40	50
NP-PE-12X09	12	± 0.1	9	8	60	50
NP-PE-12X10	12	± 0.1	10	4.5	60	50
NP-PE-14X10	14	± 0.15	10	8	80	50
NP-PE-16X12	16	± 0.15	12	7	90	50
NP-PE-18X14	18	± 0.15	14	6.2	120	50



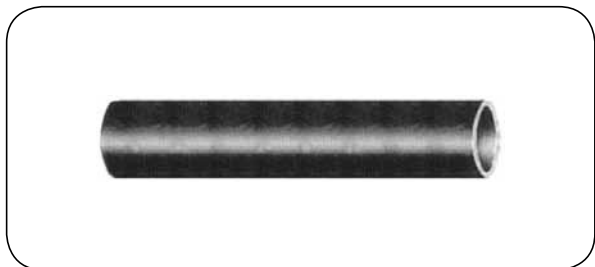
PA 6

Hose material: PA 6 polyamide (Nylon)
Working temp.: From -10°C up to +80°C

Lightweight, flexible hose with calibrated outside diameter, designed for pneumatic, hydraulic, fuel and oil installations, lubrication and chemicals. Available in natural colour.
 Standards - DIN 73378.

code	O.D. [mm]	I.D. [mm]	working pressure 20°C [bar]	bending radius [mm]	standard length [m]
SH-PA6-04X02	4	2	40	22	100
SH-PA6-06X04	6	4	25	44	100
SH-PA6-08X06	8	6	18	66	100
SH-PA6-10X08	10	8	14	88	100
SH-PA6-12X08	12	8	25	88	100
SH-PA6-12X10	12	10	11	80	100

INDUSTRIAL PNEUMATICS - hoses

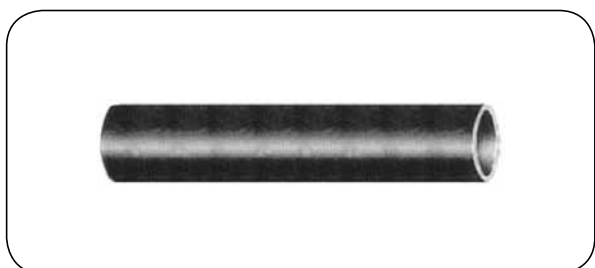


PA 12 X-HIPHL

Hose material: PA 12 polyamide (Nylon)
Working temp.: From -55°C up to +100°C
 (for water-based media +70°C)

Lightweight, flexible hose with calibrated outside diameter designed for pneumatic, hydraulic, fuel and oil installations, lubrication and chemicals. Available in a wide range of colours: natural, black, blue, green, red, yellow and orange. Standards - DIN 73378.

code	O.D. [mm]	I.D. [mm]	working press. 23°C [bar]	bursting press. 23°C [bar]	bending radius [mm]	standard length [m]
ZC-PA12H-04X02	4	2	49	147	16	100
ZC-PA12H-05X03	5	3	37	111	20	100
ZC-PA12H-06X04	6	4	29	87	30	100
ZC-PA12H-08X05	8	5	34	102	35	100
ZC-PA12H-08X5,5	8	5.5	27	81	40	100
ZC-PA12H-08X06	8	6	21	63	40	100
ZC-PA12H-10X06	10	6	37	111	55	50
ZC-PA12H-10X7,5	10	7.5	21	63	60	50
ZC-PA12H-10X08	10	8	16	48	60	50
ZC-PA12H-12X08	12	8	29	87	60	50
ZC-PA12H-12X09	12	9	21	63	60	50
ZC-PA12H-14X10	14	10	24	72	75	50
ZC-PA12H-15X12	15	12	16	48	65	50
ZC-PA12H-16X12	16	12	21	63	95	50
ZC-PA12H-18X14	18	14	18	54	100	50
ZC-PA12H-20X16	20	16	16	48	200	50



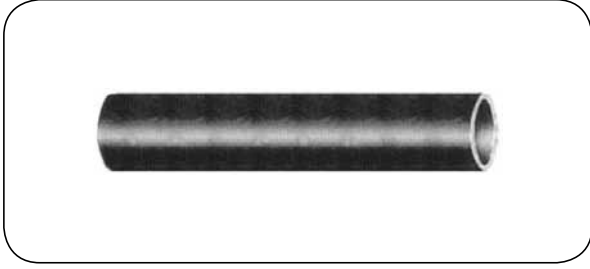
PA 11 S40 - imperial size

Hose material: PA 12 polyamide (Nylon)
Working temp.: From -40°C up to +80°C
 (for water-based media +70°C)

Lightweight, flexible hose with calibrated outside diameter designed for pneumatic, hydraulic, fuel and oil installations, lubrication and chemicals. Available in a wide range of colours: natural, black, blue, green, red, yellow and orange. Standards - SAE J 844 (from 1/8" up to 5/16").

code	O.D. [mm]	I.D. [mm]	working press. 23°C [bar]	bursting press. 23°C [bar]	bending radius [mm]	standard length [m]
ZC-PA11-S40-02	3.17	2	23	70	9.4	100
ZC-PA11-S40-02,5	3.96	2.3	28	84	12.7	100
ZC-PA11-S40-03	4.76	3.	28	84	19.1	100
ZC-PA11-S40-04	6.35	4.3	28	84	25.4	100
ZC-PA11-S40-05	7.93	5.9	23	70	31.8	100
ZC-PA11-S40-06	9.52	6.98	21	64	75	100
ZC-PA11-S40-08	12.7	9.53	19	56	110	50

INDUSTRIAL PNEUMATICS - hoses



PA 12 S40-PHL

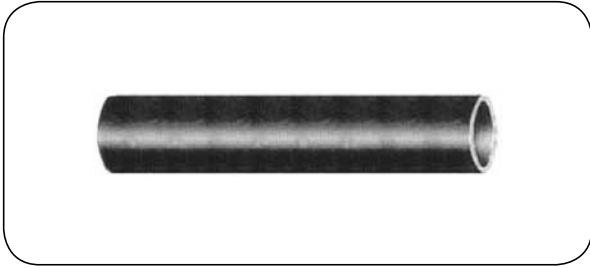
Hose material: PA 12 polyamide (Nylon)

Working temp.: From -40°C up to +80°C
(for water-based media +70°C)

Lightweight, flexible hose with calibrated outside diameter designed for pneumatic, hydraulic, fuel and oil installations, lubrication and chemicals. Available in a wide range of colours: natural, black, blue, green, red, yellow and orange. Standards - DIN 73378.

code	O.D. [mm]	I.D. [mm]	working press. 23°C [bar]	bursting press. 23°C [bar]	bending radius [mm]	standard length [m]
ZC-PA12-S40PHL-04X02	4	2	44	132	16	100
ZC-PA12-S40PHL-04X03	4	3	19	56	28	100
ZC-PA12-S40PHL-05X03	5	3	33	100	20	100
ZC-PA12-S40PHL-05X035	5	3.5	23	70	25	100
ZC-PA12-S40PHL-06X04	6	4	28	84	30	100
ZC-PA12-S40PHL-08X05	8	5	32	96	35	100
ZC-PA12-S40PHL-08X06	8	6	20	60	40	100
ZC-PA12-S40PHL-10X06	10	6	33	100	55	50
ZC-PA12-S40PHL-10X07	10	7	23	70	58	50
ZC-PA12-S40PHL-10X075	10	7.5	20	60	60	50
ZC-PA12-S40PHL-10X08	10	8	16	48	60	50
ZC-PA12-S40PHL-12X08	12	8	28	84	60	50
ZC-PA12-S40PHL-12X09	12	9	20	60	60	50
ZC-PA12-S40PHL-12X10	12	10	12	36	85	50
ZC-PA12-S40PHL-14X10	14	10	23	68	75	50
ZC-PA12-S40PHL-14X11	14	11	16	48	85	50
ZC-PA12-S40PHL-15X12	15	12	16	48	90	50
ZC-PA12-S40PHL-16X13	16	13	13	40	110	50
ZC-PA12-S40PHL-18X14	18	14	17	52	100	50
ZC-PA12-S40PHL-20X16	20	16	16	48	200	50
ZC-PA12-S40PHL-22X18	22	18	13	40	200	50

INDUSTRIAL PNEUMATICS - hoses



PA 12 E

Hose material: PA 12 polyamide (Nylon)

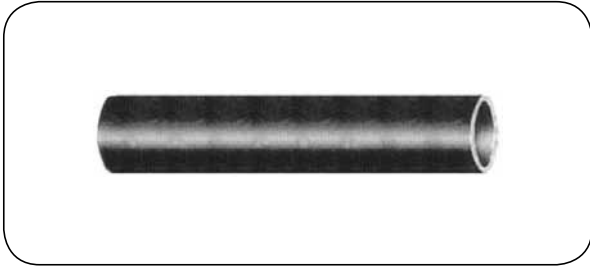
Working temp.: From -10°C up to +80°C

Lightweight, flexible hose with calibrated outside diameter designed for pneumatic, hydraulic, fuel and oil installations, lubrication and chemicals. Available in natural colour.

Standards - DIN 73378.

code	O.D. [mm]	I.D. [mm]	working pressure 20°C [bar]	bending radius [mm]	standard length [m]
SH-PA12-04X02	4	2	40	15	100
SH-PA12-04X03	4	3	18	30	100
SH-PA12-05X03	5	3	30	30	100
SH-PA12-06X04	6	4	25	38	100
SH-PA12-08X05	8	5	26	35	100
SH-PA12-08X06	8	6	18	57	100
SH-PA12-08X5.5	8	5.5	24	48	100
SH-PA12-10X06	10	6	28	35	100
SH-PA12-10X07	10	7	24	45	100
SH-PA12-10X08	10	8	14	76	100
SH-PA12-10X7.5	10	7.5	18	66	100
SH-PA12-12X08	12	8	27	80	100
SH-PA12-12X09	12	9	18	83	100
SH-PA12-12X10	12	10	11	70	100
SH-PA12-14X10	14	10	22	90	100
SH-PA12-14X11	14	11	14	83	100
SH-PA12-15X12	15	12	15	100	100
SH-PA12-16X13	16	13	14	90	100
SH-PA12-18X14	18	14	17	190	100
SH-PA12-20X16	20	16	15	180	100
SH-PA12-22X18	22	18	13	200	100

INDUSTRIAL PNEUMATICS - hoses

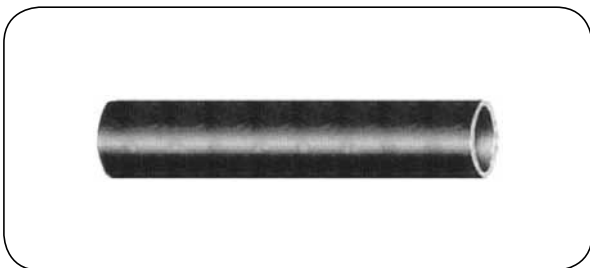


RILSAN HT

Hose material: Modified polyamide PPA
Working temp.: From -40°C up to +150°C
 (for water-based media +70°C)

Lightweight, flexible hose with calibrated outside diameter designed for pneumatic, hydraulic, fuel and oil installations, lubrication and chemicals. Particularly recommended for industrial and car installations of hot fluids (fuels, oils, refrigerants) or air without water content. Available in black colour only.
 Standards - DIN 73378, ISO 7628.

code	O.D. [mm]	I.D. [mm]	working press. 23°C [bar]	bursting press. 23°C [bar]	bending radius [mm]	standard length [m]
ZC-RILSAN-HT-04X02	4	2	44	132	16	100
ZC-RILSAN-HT-05X03	5	3	33	100	20	100
ZC-RILSAN-HT-06X04	6	4	28	84	30	100
ZC-RILSAN-HT-08X06	8	6	20	60	40	100
ZC-RILSAN-HT-10X08	10	8	16	48	60	50
ZC-RILSAN-HT-12X09	12	9	20	60	60	50
ZC-RILSAN-HT-12X10	12	10	12	36	85	50
ZC-RILSAN-HT-14X10	14	10	23	68	75	50
ZC-RILSAN-HT-14X12	14	12	10	30	90	50
ZC-RILSAN-HT-15X12	15	12	16	48	90	50



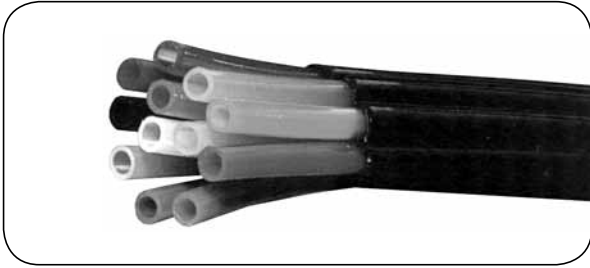
HTR AB (AIR BRAKE)

Hose material: Thermoplastic elastomer (TPE)
 polyester-based
Working temp.: From -40°C up to +100°C
 (for water-based media +70°C)

Lightweight, flexible hose with calibrated outside diameter designed for car air brake systems in particular. It is free of plasticizers and so does not get stiff prematurely. Resistant to UV radiation. Available in black colour only.
 Standards - ISO 7628 : 2010 (category 1).

code	O.D. [mm]	I.D. [mm]	working press. 23°C [bar]	bursting press. 23°C [bar]	bending radius [mm]	standard length [m]
ZC-HTRAB-04X02	4	2	10	40	20	100
ZC-HTRAB-06X04	6	4	10	40	30	100
ZC-HTRAB-08X06	8	6	10	40	40	100
ZC-HTRAB-10X08	10	8	10	40	50	50
ZC-HTRAB-12X09	12	9	10	40	60	50
ZC-HTRAB-14X10	14	10	10	40	70	50
ZC-HTRAB-15X12	15	12	10	40	75	50
ZC-HTRAB-16X12	16	12	10	40	80	50







INDUSTRIAL PNEUMATICS - hoses



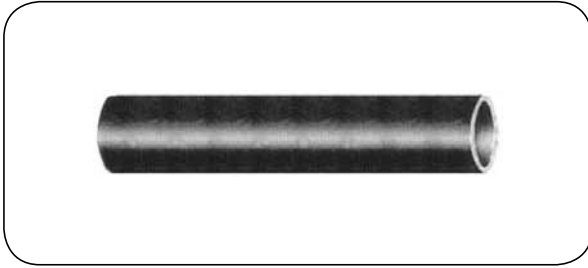
PA 12 MULTI

Hose material: PA 12 polyamide (Nylon)
Working temp.: From -20°C up to +80°C
 (for fluids containing water to +65°C)

Multihose with a black polyurethane outside cover widely used in pneumatic, hydraulic, fuel and oil installations, lubrication and chemicals. Different colours of hoses in the bundle enable easy recognition of each circuit or medium being transferred.

code	number of hoses	O.D. [mm]	I.D. [mm]	wall thickness [mm]	working pressure [bar]	bursting pressure [bar]	weight [g/m]
ZC-M422A		4	2	1	33	132	40
ZC-M4252A		4	2.5	0.75	22	88	36
ZC-M4272A		4	2.7	0.65	17	68	35
ZC-M642A		6	4	1	20	80	60
ZC-M862A		8	6	1	14	56	78
ZC-M1082A		10	8	1	11	44	128
ZC-M12102A		12	10	1	9	36	187
ZC-M14122A		14	12	1	7.5	30	211
ZC-M15122A		15	12	1.5	11	44	267
ZC-M151252A		15	12.5	1.25	9	36	247
ZC-M423A		4	2	1	33	132	57
ZC-M4253A		4	2.5	0.75	22	88	51
ZC-M4273A		4	2.7	0.65	17	68	48
ZC-M643A		6	4	1	20	80	76
ZC-M863A		8	6	1	14	56	118
ZC-M1083A		10	8	1	11	44	148
ZC-M12103A		12	10	1	9	36	215
ZC-M14123A		14	12	1	7.5	30	243
ZC-M15123A		15	12	1.5	11	44	303
ZC-M151253A		15	12.5	1.25	9	36	273
ZC-M424A		4	2	1	33	132	70
ZC-M4254A		4	2.5	0.75	22	88	62
ZC-M4274A		4	2.7	0.65	17	68	60
ZC-M644A		6	4	1	20	80	107
ZC-M864A		8	6	1	14	56	140
ZC-M1084A		10	8	1	11	44	222
ZC-M12104A		12	10	1	9	36	317
ZC-M14124A		14	12	1	7.5	30	359
ZC-M15124A		15	12	1.5	11	44	467
ZC-M151254A		15	12.5	1.25	9	36	427
ZC-M425A		4	2	1	33	132	90
ZC-M4255A		4	2.5	0.75	22	88	81
ZC-M4275A		4	2.7	0.65	17	68	73
ZC-M645A		6	4	1	20	80	132
ZC-M865A		8	6	1	14	56	175
ZC-M1085A		10	8	1	11	44	268
ZC-M12105A	12	10	1	9	36	364	
ZC-M427A		4	2	1	33	132	116
ZC-M4257A		4	2.5	0.75	22	88	102
ZC-M4277A		4	2.7	0.65	17	68	97
ZC-M647A		6	4	1	20	80	185
ZC-M867A		8	6	1	14	56	243
ZC-M1087A		10	8	1	11	44	308
ZC-M4212A		4	2	1	33	132	199
ZC-M42512A		4	2.5	0.75	22	88	176
ZC-M42712A		4	2.7	0.65	17	68	167
ZC-M6412A		6	4	1	20	80	267
ZC-M8612A		8	6	1	14	56	426

INDUSTRIAL PNEUMATICS - hoses

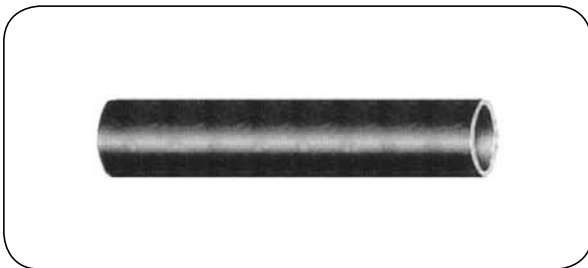


PUR

Hose material: PUR polyurethane
Working temp.: From -40°C up to +85°C

Lightweight, flexible hose widely used in pneumatic and hydraulic applications, tool lines, industrial robots, etc. Resistant to abrasion, solvents, fuels, hydrocarbons. Remains flexible at low temperatures. Shore (A) hardness 90°. Available in natural, black and blue colour.

code	O.D. [mm]	I.D. [mm]	working pressure [bar]	bending radius [mm]	standard length [m]
PP-PUR-04X2,3	4	2.3	14.3	12	50
PP-PUR-04X2,5	4	2.5	12.7	12	50
PP-PUR-05X3,1	5	3.1	13.3	13	50
PP-PUR-06X4	6	4	11.3	15	50
PP-PUR-08X5,7	8	5.7	10.7	30	50
PP-PUR-10X7,5	10	7.5	8.7	45	50
PP-PUR-12X9	12	9	9	55	50
PP-PUR-14X11	14	11	9	60	50



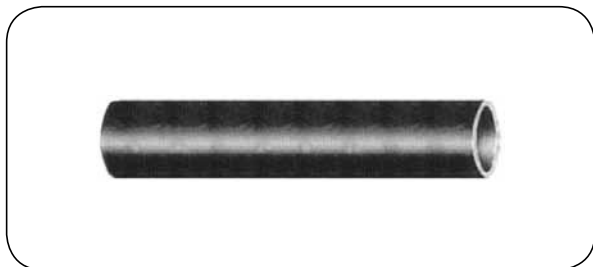
PUR E

Hose material: PUR polyurethane
Working temp.: From -40°C up to +70°C

Lightweight, flexible hose widely used in pneumatic and hydraulic applications, tool lines, industrial robots, etc. Resistant to abrasion, solvents, fuels, hydrocarbons. Remains flexible at low temperatures. Shore (A) hardness is 95°. Available in natural and blue colour.

code	O.D. [mm]	I.D. [mm]	working pressure 20°C [bar]	bending radius [mm]	standard length [m]
SH-PURE-04X2,5	4	2.5	12	20	50
SH-PURE-06X4	6	4	11	25	50
SH-PURE-08X5,7	8	5.7	8	35	50
SH-PURE-10X7,5	10	7.5	8	40	50
SH-PURE-12X9	12	9	8	45	50

INDUSTRIAL PNEUMATICS - hoses

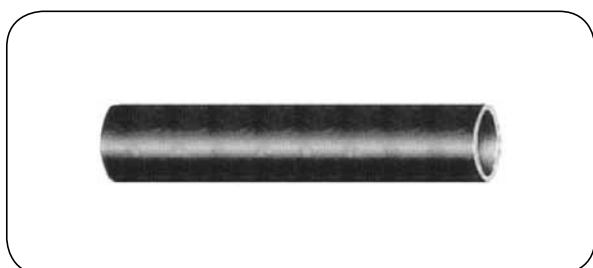


PUR F

Hose material: Polyether-polyurethane
Working temp.: From -40°C up to +85°C

Lightweight, highly flexible hose used in applications that are in frequent contact with water (very high resistance to microbes and hydrolysis), detergents and solvents. Remains flexible at low temperatures. High resistance to abrasion and kinking. Calibrated outside diameter allows to use push-in fittings. Shore (A) hardness 98°. Meets FDA standards. Available in transparent, semi-transparent black, blue, green and red colour versions.

code	O.D. [mm]	I.D. [mm]	working press. 20°C [bar]	working press. 60°C [bar]	bending radius [mm]	standard length [m]
PP-PUR-F-04X2.5	4	2.5	24	12	12	50
PP-PUR-F-06X3.9	6	3.9	22	10	15	50
PP-PUR-F-08X5.5	8	5.5	16	10	25	50
PP-PUR-F-10X7	10	7	16	10	40	50
PP-PUR-F-12X8	12	8	16	10	60	50



PUR ASS

Hose material: Antistatic polyurethane
Working temp.: From -30°C up to +80°C
Vacuum: Up to 0.95 bar

Lightweight, very flexible hose intended for air, gases, water and other media. Widely used in installations specially prone to static charge build-up or in potentially explosive zones. Compliant with ATEX directive (94/9/EC). Electrical resistance $R < 10^6 \Omega$. Resistant to hydrolysis, microbes, abrasion and UV radiation. Calibrated outside diameter allows to use push-in fittings. Recommended for application in electronic industry, powder coating, potentially explosive atmospheres, mining, sorting machines and conveyors for industrial components. The working pressure is given at 2:1 safety factor against the maximum working pressure not causing hose damage.

code	O.D. [mm]	I.D. [mm]	working press. 20°C [bar]	working press. 60°C [bar]	bending radius [mm]	standard length [m]
PP-PUR-ASS-04X2,5	4	2.5	16	9	9	100
PP-PUR-ASS-05X3,1	5	3.1	15	10	12	100
PP-PUR-ASS-06X3,9	6	3.9	15	10	15	100
PP-PUR-ASS-08X5,7	8	5.7	11	7	28	100
PP-PUR-ASS-10X7,5	10	7.5	9	6	35	100
PP-PUR-ASS-12X9	12	9	9	5	50	50

* Bending radius must be increased by 20% at vacuum.

INDUSTRIAL PNEUMATICS - hoses

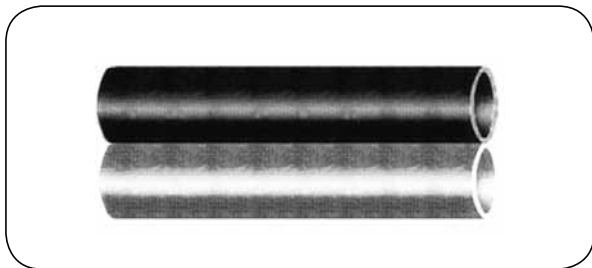


FLAMEX

Hose material: Flame resistant PUR polyurethane
Working temp.: From -35°C up to +100°C

Lightweight, flexible hose designed for air, water and other media. Resistant to flame, weld spatter and hot metal turnings. Resistant to hydrolysis, biological corrosion, UV radiation, solvents and detergents. Withstands 0.9 bar vacuum. Calibrated outside diameter allows to use push-in fittings.

code	O.D. [mm]	I.D. [mm]	working pressure [bar]	bending radius [mm]	standard length [m]
PP-FLAMEX-04X02	4	2	20	7	50
PP-FLAMEX-08X04	8	4	20	15	50
PP-FLAMEX-10X06	10	6	20	20	50
PP-FLAMEX-12X08	12	8	20	28	50
PP-FLAMEX-14X10	14	10	20	45	50



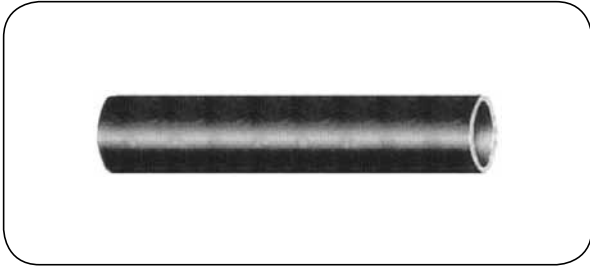
DUO PU

Hose material: PUR polyurethane (blue + black)
Working temp.: From -40°C up to +85°C

Lightweight, very flexible twin hose widely used in pneumatic and hydraulic applications, tool lines, industrial robots, etc. Resistant to abrasion, solvents, fuels, hydrocarbons. Remains flexible at low temperature. Shore (A) hardness 90°.

code	O.D. [mm]	I.D. [mm]	working pressure [bar]	bending radius [mm]	standard length [m]
NP-DUO-PU-04X02	4	2	23	20	50
NP-DUO-PU-06X04	6	4	14	30	50
NP-DUO-PU-08X06	8	6	10	35	50
NP-DUO-PU-10X07	10	7	12	40	50

INDUSTRIAL PNEUMATICS - hoses

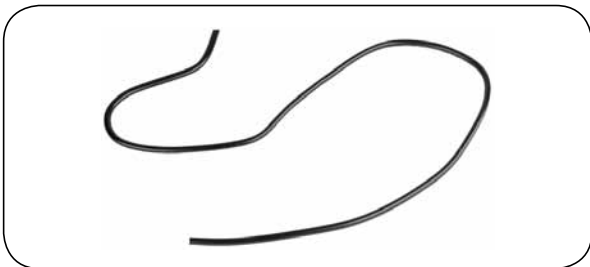


PVDF

Hose material: Polyvinylidene fluoride PVDF
Working temp.: From -40°C up to +150°C

Hose with outstanding mechanical parameters. Excellent resistance to high temperature, high pressure, UV radiation and many chemicals. Sterile, non-flammable and with low gas permeability.

code	O.D. [mm]	I.D. [mm]	tolerance [mm]	working press. 23°C [bar]	bending radius [mm]	weight [g/m]
NP-PVDF-04X02	4	2	± 0.1	166	60	17
NP-PVDF-06X04	6	4	± 0.1	100	75	28
NP-PVDF-08X06	8	6	± 0.1	71	85	39
NP-PVDF-10X08	10	8	± 0.1	55	100	50
NP-PVDF-12X10	12	10	± 0.1	45	125	62



1300

Internal layer: Polyethylene
Reinforcement: Aluminium
External layer: Black polyethylene
Working temp.: From -40°C up to +80°C

Composite hose designed for pneumatic control systems. Because of the excellent chemical resistance of hose external layer it can reliably operate in chemically aggressive environments. Reinforced with the layer of aluminium, the hose features extra strength to fit continuous long lengths without the use of mounting brackets or any additional support.. Moreover, the hose has so called shape memory so it can be mounted even in hardly accessible spaces. Suitable to work underground without any special protection. The unique construction of the hose makes it even 5 times lighter than standard pneumatic hoses.

code	O.D. [mm]	I.D. [mm]	working press. 23°C [bar]	working press. 65°C [bar]	working press. 80°C [bar]	bursting press. 23°C [bar]	bending radius [mm]	weight [g/m]
SY-1300-M060B	6	4	28.8	17.5	12	115	19	2.00
SY-1300-M080B	8	5.3	28.8	17.5	12	115	25	3.20
SY-1300-M100B	10	6.2	28.8	17.5	12	115	32	5.70
SY-1300-M120B	12	8.13	24.5	11	9.5	98	40	7.50
SY-1300-M140B	14	9.75	24.5	11	9.5	98	50	9.60
SY-1300-M150B	15	10.75	20	10	8.5	65	50	10.60

INDUSTRIAL PNEUMATICS - hoses



AC E

Hose material: Blue PA 11/12 polyamide (Nylon)

Working temp.: From -40°C up to +80°C

Spiral hose designed for pneumatic control systems, pneumatic tools, industrial robots, etc. Supplied as a hose assembly with 100 mm straight ends with fittings (BSPTmale thread).

code	O.D. [mm]	I.D. [mm]	working length [m]	outside coil diameter [mm]	coil block length [mm]	working press. 20°C [bar]	fitting male thread [inch]
SH-ACE-06-020	6	4	2	71	120	27	1/4
SH-ACE-06-050	6	4	5	71	312	27	1/4
SH-ACE-06-075	6	4	7.5	71	472	27	1/4
SH-ACE-06-100	6	4	10	71	633	27	1/4
SH-ACE-08-020	8	6	2	90.5	125	19	1/4
SH-ACE-08-050	8	6	5	90.5	327	19	1/4
SH-ACE-08-075	8	6	7.5	90.5	495	19	1/4
SH-ACE-08-100	8	6	10	90.5	664	19	1/4
SH-ACE-10-020	10	8	2	94	152	15	3/8
SH-ACE-10-050	10	8	5	94	400	15	3/8
SH-ACE-10-075	10	8	7.5	94	606	15	3/8
SH-ACE-10-100	10	8	10	94	812	15	3/8
SH-ACE-12-020	12	9	2	98	179	19	3/8
SH-ACE-12-050	12	9	5	98	470	19	3/8
SH-ACE-12-075	12	9	7.5	98	712	19	3/8
SH-ACE-12-100	12	9	10	98	954	19	3/8
SH-ACE-15-020	15	12	2	187	112	15	3/8
SH-ACE-15-050	15	12	5	187	294	15	3/8
SH-ACE-15-075	15	12	7.5	187	445	15	3/8
SH-ACE-15-100	15	12	10	187	597	15	3/8
SH-ACE-16-020	16	11	2	189	119	15	1/2
SH-ACE-16-050	16	11	5	189	312	15	1/2
SH-ACE-16-075	16	11	7.5	189	472	15	1/2
SH-ACE-16-100	16	11	10	189	633	15	1/2

INDUSTRIAL PNEUMATICS - hoses



SCAR

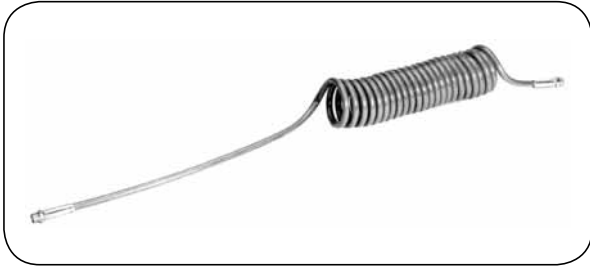
Hose material: Blue PA 11/12 polyamide (Nylon)

Working temp.: From -40°C up to +80°C

Spiral hose designed for pneumatic control systems, pneumatic tools, industrial robots, etc. Supplied as a hose assembly with 100 mm straight ends with fittings (BSPTmale thread).

code	O.D. [mm]	I.D. [mm]	working length [m]	outside coil diameter [mm]	coil block length [mm]	working press. 20°C [bar]	fitting male thread [inch]
ZC-SCAR-06-025	6	4	2.5	64	168	28	1/4
ZC-SCAR-06-050	6	4	5	64	330	28	1/4
ZC-SCAR-06-075	6	4	7.5	64	498	28	1/4
ZC-SCAR-06-100	6	4	10	64	660	28	1/4
ZC-SCAR-08-025	8	6	2.5	86	168	20	1/4
ZC-SCAR-08-050	8	6	5	86	328	20	1/4
ZC-SCAR-08-075	8	6	7.5	86	496	20	1/4
ZC-SCAR-08-100	8	6	10	86	656	20	1/4
ZC-SCAR-10-025	10	8	2.5	102	180	16	3/8
ZC-SCAR-10-050	10	8	5	102	350	16	3/8
ZC-SCAR-10-075	10	8	7.5	102	530	16	3/8
ZC-SCAR-10-100	10	8	10	102	700	16	3/8
ZC-SCAR-12-025	12	10	2.5	110	216	12	3/8
ZC-SCAR-12-050	12	10	5	110	420	12	3/8
ZC-SCAR-12-075	12	10	7.5	110	624	12	3/8
ZC-SCAR-12-100	12	10	10	110	828	12	3/8
ZC-SCAR-15-025	15	12	2.5	184	165	16	1/2
ZC-SCAR-15-050	15	12	5	184	300	16	1/2
ZC-SCAR-15-075	15	12	7.5	184	450	16	1/2
ZC-SCAR-15-100	15	12	10	184	685	16	1/2

INDUSTRIAL PNEUMATICS - hoses



SPP E

Hose material: Blue PUR polyurethane
Working temp.: From -40°C up to +75°C

Highly flexible spiral hose resistant to abrasion, breaking and kinking. Designed for pneumatic control systems, pneumatic tools, industrial robots, etc. Available as a hose assembly with 100 mm and 500 mm straight ends with fittings (BSPT male thread).

code	O.D. [mm]	I.D. [mm]	working length [m]	outside coil diameter [mm]	coil block length [mm]	working press. 20°C [bar]	fitting male thread [inch]
SH-SPPE-06-020	6	4	2	33	210	11	1/4
SH-SPPE-06-050	6	4	5	33	515	11	1/4
SH-SPPE-06-075	6	4	7.5	33	780	11	1/4
SH-SPPE-06-100	6	4	10	33	1050	11	1/4
SH-SPPE-08-020	8	5	2	50	180	13	1/4
SH-SPPE-08-050	8	5	5	50	445	13	1/4
SH-SPPE-08-075	8	5	7.5	50	680	13	1/4
SH-SPPE-08-100	8	5	10	50	910	13	1/4
SH-SPPE-10-020	10	6.5	2	70	160	11	1/4
SH-SPPE-10-050	10	6.5	5	70	400	11	1/4
SH-SPPE-10-075	10	6.5	7.5	70	610	11	1/4
SH-SPPE-10-100	10	6.5	10	70	815	11	1/4
SH-SPPE-12-020	12	8	2	82	160	10	3/8
SH-SPPE-12-050	12	8	5	82	400	10	3/8
SH-SPPE-12-075	12	8	7.5	82	610	10	3/8
SH-SPPE-12-100	12	8	10	82	815	10	3/8
SH-SPPE-12-150	12	8	15	82	1215	10	3/8
SH-SPPE-15-020	15	10	2	103	160	14	3/8
SH-SPPE-15-050	15	10	5	103	390	14	3/8
SH-SPPE-15-075	15	10	7.5	103	600	14	3/8
SH-SPPE-15-100	15	10	10	103	804	14	3/8
SH-SPPE-15-150	15	10	15	103	1194	14	3/8
SH-SPPE-16-020	16	11	2	105	167	10	1/2
SH-SPPE-16-050	16	11	5	105	415	10	1/2
SH-SPPE-16-075	16	11	7.5	105	632	10	1/2
SH-SPPE-16-100	16	11	10	105	850	10	1/2

INDUSTRIAL PNEUMATICS - hoses

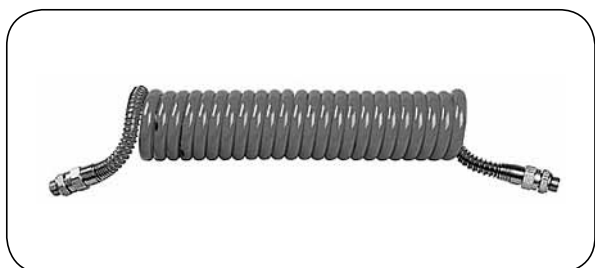


SPCRB

Hose material: Blue PUR polyurethane
Working temp.: From -40°C up to +60°C

Highly flexible spiral hose resistant to abrasion, breaking and kinking. Designed for pneumatic control systems, pneumatic tools, industrial robots, etc. Available as a hose assembly with 100 mm and 500 mm straight ends with fittings (BSPT male thread).

code	O.D. [mm]	I.D. [mm]	working length [m]	outside coil diameter [mm]	coil block length [mm]	working press. 20°C [bar]	fitting male thread [inch]
ZC-SPCRB-06-025	6	4	2.5	42	250	13	1/4
ZC-SPCRB-06-050	6	4	5	42	515	13	1/4
ZC-SPCRB-06-075	6	4	7.5	42	780	13	1/4
ZC-SPCRB-08-025	8	5	2.5	46	315	17	1/4
ZC-SPCRB-08-050	8	5	5	46	650	17	1/4
ZC-SPCRB-08-075	8	5	7.5	46	980	17	1/4
ZC-SPCRB-10-025	10	6.5	2.5	60	300	13	1/4
ZC-SPCRB-10-050	10	6.5	5	60	620	13	1/4
ZC-SPCRB-10-075	10	6.5	7.5	60	940	13	1/4
ZC-SPCRB-12-025	12	8	2.5	84	250	9	3/8
ZC-SPCRB-12-050	12	8	5	84	515	9	3/8
ZC-SPCRB-12-075	12	8	7.5	84	780	9	3/8
ZC-SPCRB-16-025	16	10	2.5	92	315	16	3/8
ZC-SPCRB-16-050	16	10	5	92	655	16	3/8
ZC-SPCRB-16-075	16	10	7.5	92	990	16	3/8



BLX

Hose material: Yellow polyurethane PUR S
Working temp.: From -40°C up to +70°C
Hardness: 98° Shore (A)

Spiral hose intended for air brake systems, connects the air lines from the tractor to the trailer. Highly flexible at low temperatures, resistant to bending, abrasion, weather conditions including UV radiation and ozone. Straight 150 mm sections at both ends are secured with steel protective coil spring. The hose comes with M16x1.5 male thread fittings as a standard (optionally with BSP or BSPT - contact Sales Department).

Available either red or black and as a twin yellow-red hose.

Standards - ISO 7375/2 1998, ISO 7628/2 1998, DIN 73378/02 96, DIN 74310-2/12 93, DIN 74323/04 91, DIN 74324/02 96.

code	O.D. [mm]	I.D. [mm]	working length [m]	outside coil diameter [mm]	coil block length [mm]	working press. 20°C [bar]	fitting male thread [inch]
MB-BLX-12-040Y	12	8	4	75	290	10	M16x1.5

INDUSTRIAL PNEUMATICS - hoses



UBCS

Hose material: Blue PUR polyurethane
Working temp.: From -40°C up to +70°C

Highly flexible, spiral, reinforced hose resistant to abrasion, tearing and kinking. Designed for application in car workshops in particular, for pneumatic control systems, hand tools, industrial robots, etc. The hose has straight segments of 100 mm and 500 mm at the ends with BSPT male thread fittings. Shore (A) hardness 98°.

code	O.D. [mm]	I.D. [mm]	working length [m]	outside coil diameter [mm]	coil block length [mm]	working press. 20°C [bar]	fitting male thread [inch]
SH-UBCS-08-020	8	5	2	42	187	15	1/4
SH-UBCS-08-050	8	5	5	42	585	15	1/4
SH-UBCS-08-075	8	5	7.5	42	904	15	1/4
SH-UBCS-08-100	8	5	10	52	952	15	1/4
SH-UBCS-10-020	10	6.5	2	69	137	15	1/4
SH-UBCS-10-050	10	6.5	5	69	429	15	1/4
SH-UBCS-10-075	10	6.5	7.5	69	663	15	1/4
SH-UBCS-10-100	10	6.5	10	69	896	15	1/4
SH-UBCS-12-020	12	8	2	82	140	15	3/8
SH-UBCS-12-050	12	8	5	82	436	15	3/8
SH-UBCS-12-075	12	8	7.5	82	674	15	3/8
SH-UBCS-12-100	12	8	10	97	752	15	3/8
SH-UBCS-15-020	15	10	2	102	140	15	3/8
SH-UBCS-15-050	15	10	5	102	436	15	3/8
SH-UBCS-15-075	15	10	7.5	102	674	15	3/8
SH-UBCS-15-100	15	10	10	102	911	15	3/8
SH-UBCS-16-020	16	11	2	104	147	15	1/2
SH-UBCS-16-050	16	11	5	104	461	15	1/2
SH-UBCS-16-075	16	11	7.5	104	712	15	1/2
SH-UBCS-16-100	16	11	10	104	962	15	1/2

INDUSTRIAL PNEUMATICS - hoses



UWSB

Hose material: Flame retardant PUR polyurethane




Working temp.: From -40°C up to +70°C

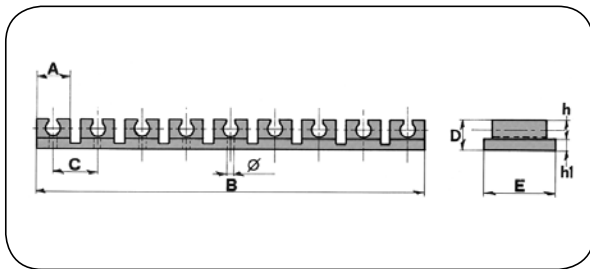
Highly flexible hose resistant to abrasion, hot welding spatter and sparks. Designed for pneumatic control systems, hand tools, industrial robots, etc. Resistant to UV radiation and ageing. The hose has straight segments of 100 mm and 500 mm at the ends with BSPT male thread fittings. Shore (A) hardness 98°. Standards - UL 94 VO (external layer).

code	O.D. [mm]	I.D. [mm]	working length [m]	outside coil diameter [mm]	coil block length [mm]	working press. 20°C [bar]	fitting male thread [inch]
SH-UWSB-06-020BK	6	4	2	49	156	11	1/4
SH-UWSB-06-050BK	6	4	5	49	488	11	1/4
SH-UWSB-06-075BK	6	4	7.5	49	754	11	1/4
SH-UWSB-06-100BK	6	4	10	49	1019	11	1/4
SH-UWSB-08-020BK	8	5	2	56	175	13	1/4
SH-UWSB-08-050BK	8	5	5	56	548	13	1/4
SH-UWSB-08-075BK	8	5	7.5	56	846	13	1/4
SH-UWSB-08-100BK	8	5	10	69	896	13	1/4
SH-UWSB-10-020BK	10	6.5	2	72	160	11	1/4
SH-UWSB-10-050BK	10	6.5	5	72	500	11	1/4
SH-UWSB-10-075BK	10	6.5	7.5	72	772	11	1/4
SH-UWSB-10-100BK	10	6.5	10	82	911	11	1/4
SH-UWSB-12-020BK	12	8	2	85	159	10	3/8
SH-UWSB-12-050BK	12	8	5	85	497	10	3/8
SH-UWSB-12-075BK	12	8	7.5	85	767	10	3/8
SH-UWSB-12-100BK	12	8	10	100	859	10	3/8

INDUSTRIAL PNEUMATICS - hoses

Hose accessories

picture	code	pipe or hose O.D. [mm]	description
	SH-TC15	3 ÷ 15	Cutting tool.
	SH-TC15EK	-	Spare blade.
	ZC-PZP12	3 ÷ 12	Cutting tool.
	ZC-PZP12EK	-	Spare blade.
	ZC-PZG28	3 ÷ 28	Cutting tool.
	ZC-PZG28EK	-	Spare blade.
	JG-TS28	4 ÷ 28	Cutting tool.
	JG-TS28EK	-	Spare blade.



SFT

Working temp.: From 0°C up to +40°C

Holder for pneumatic hoses. Facilitates building of a pneumatic system, saves space and increases resistance to vibrations.

code	hose O.D. [mm]	number of hoses	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	h [mm]	h1 [mm]	Ø [mm]
ZC-SFT-04	4	10	9	114	11.7	8	19.5	5	3	2.5
ZC-SFT-06	6	10	9	114	11.7	10	19.5	7	3	2.5
ZC-SFT-08	8	10	12	143	14.6	12	19.5	9	3	3.1
ZC-SFT-10	10	10	15	172	17.4	13.8	19.5	10.8	3	4.1
ZC-SFT-12	12	4	19	78	20.5	16.8	19.5	14	3	4.1
ZC-SFT-14	14	4	21	87	22.5	18.8	19.5	16	3	4.1