

DME&JDE Shield-Flex Nylon Sleeve

Shield-Flex nylon sleeve Protects people near-by a breaking hose (pin hole-approved) or Hydraulic Hose. It is produced from polypropylene which is very hard-wearing.

- Material polypropylene (PP)
- UV protected
- Resistant to acids, oil and solvents
- Pin-hole protection ISO 3457 and ISO 4413
- Abrasion resistance 50,000 cycles
- Temperature range is -40 °C to +80 °C
- Colour: black

Remark: It is recommended to choose a size which is approximately 50 % larger than the hose to improve protection and make mounting easier.



Why Shield-Flex Nylon-Sleeve?

European standard EN ISO 3457 states that hydraulic hoses must be protected in following cases:

- Operating pressure exceeds 5 MPa (=50 bar)
- Or temperature exceeds 60 °C
- And the hoses are in common operating place within 1 meter range from the operator and in case of hose breakage the direct fluid spray may reach the operator

In addition, the protectors must be strong enough to stop, spread or turn the fluid from directly hitting the operator once the hose breaks.

Standards EN 12999 and EN 4413 also contain protection demands for hose assemblies.

Our Safe-Sleeve fulfills these demands:

- Our standard textile sleeve
- Economical and safe choice for hose protection
- Protect people near-by a breaking hose
- Protect hydraulic hoses from abrasion
- Produced from polypropylene which is very hard-wearing and recyclable
- Endure acids and alkali well
- Material fully recyclable
- Tolerate both freeze and heat
- Recommended temperature range from -40 °C to + 80 °C
- UV-protected
- Excellent abrasion resistance



Specifications

Available Colors

- Standard color is plain black, no printing.
- Other colors also possible (MOQ 1000–2000 m per size).

Available Sizes and Lengths

Available in inner diameters from 10 mm to 125 mm. It is recommended to choose a size which is a few millimetres larger than the hose to improve protection and make mounting easier. Whether there is a coupling already installed also affects the eligible size. Available in rolls of 50 m or pre-cut lengths in OEM request.

Table 1: Shield-Flex Nylon Sleeve Specifications

Part No.	I.D. (mm)	Width (mm)	Wall Thickness (mm)	Roll Length (Meters)	MOQ (Meters)	Color
D&J-NYLON-010	10	20	1	50	1000	Black
D&J-NYLON-015	15	25	1	50	1000	Black
D&J-NYLON-017	17	30	1	50	1000	Black
D&J-NYLON-020	20	35	1	50	1000	Black
D&J-NYLON-026	26	45	1	50	1000	Black
D&J-NYLON-027	27	45	1	50	1000	Black
D&J-NYLON-029	29	50	1	50	1000	Black
D&J-NYLON-030	30	50	1	50	1000	Black
D&J-NYLON-036	36	60	1	50	1000	Black
D&J-NYLON-039	39	65	1	50	1000	Black
D&J-NYLON-042	42	70	1	50	1000	Black
D&J-NYLON-046	46	75	1	50	1000	Black
D&J-NYLON-048	48	80	1	50	200	Black
D&J-NYLON-055	55	90	1	50	200	Black
D&J-NYLON-062	62	100	1	50	200	Black
D&J-NYLON-078	78	125	1	50	200	Black
D&J-NYLON-094	94	150	1	50	200	Black
D&J-NYLON-109	109	175	1	50	200	Black
D&J-NYLON-125	125	200	1	50	200	Black

Selection guide

Table 2: Selection Guide of Shield-Flex Nylon Sleeve

Part No.	Safe-Sleeve ID (mm)	Hose DN (mm)	Standard (BS EN)	Hose DN (inch)	Hose OD (mm)
D&J-NYLON-017	17	6	EN853 2SN	1/4"	14.9
D&J-NYLON-023	23	8	EN853 2SN	5/16"	16.3
D&J-NYLON-027	27	10	EN853 2SN	3/8"	18.8
D&J-NYLON-030	30	13	EN853 2SN	1/2"	22.2
D&J-NYLON-036	36	16	EN853 2SN	5/8"	25.4
D&J-NYLON-039	39	19	EN853 2SN	3/4"	29.4
D&J-NYLON-046	46	25	EN853 2SN	1"	37.0
D&J-NYLON-055	55	32	EN853 2SN	1-1/4"	46.5
D&J-NYLON-062	62	38	EN853 2SN	1-1/2"	53.3
D&J-NYLON-078	78	51	EN853 2SN	2"	66.5
D&J-NYLON-094	94	—	—	—	—
D&J-NYLON-109	109	100	—	—	—
D&J-NYLON-125	125	115	—	—	—

Accessories

Aluminum rings

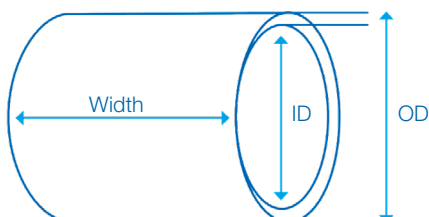


Table 3: Aluminum Rings Specifications

Safeplast Article No.	OD	ID	W	Width
	mm	mm	mm	mm
D&J-ALRing-20	20	17	1.5	27
D&J-ALRing-25	25	22	1.5	27
D&J-ALRing-30	30	27	1.5	27
D&J-ALRing-35	35	32	1.5	27
D&J-ALRing-40	40	36	2	30
D&J-ALRing-45	45	41	2	30
D&J-ALRing-50	50	46	2	30
D&J-ALRing-55	55	51	2	30

Hose clamp

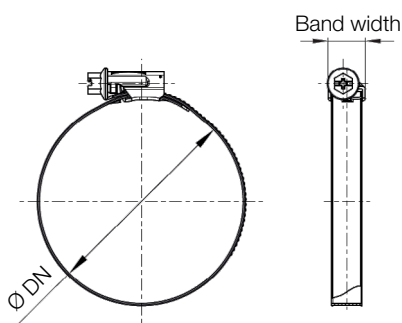


Table 4: Hose Clamp Materials

Part	W1	W2	W3	W4	W5
Hose Clamp Band & Accessory	Galvanized Steel	Stainless steel AISI 430	Stainless steel AISI 430	Stainless steel AISI 304	Stainless steel AISI 316
Screw & Lock Washer	Galvanized Steel	Galvanized low carbon steel	Stainless steel AISI 403	Stainless steel AISI 304	Stainless steel AISI 316

Table 5: Hose Clamp Specifications

Band Width mm	Description	Gripping Range	DME&JDE Group Code					Package Qty.
		DN (mm)	W1	W2	W3	W4	W5	pcs
7.5	SHIELD-FLEX® 8–12	8–12	–	0116*7602*010	0116*7603*010	–	–	100
7.5	SHIELD-FLEX® 10–16	10–16	–	0116*7602*013	0116*7603*013	–	–	100
7.5	SHIELD-FLEX® 12–18	12–18	–	0116*7602*015	0116*7603*015	–	–	100
7.5	SHIELD-FLEX® 12–22	12–22	–	0116*7602*017	0116*7603*017	–	–	100
7.5	SHIELD-FLEX® 16–27	16–27	–	0116*7602*021	0116*7603*021	–	–	100
9	SHIELD-FLEX® 8–12	8–12	0126*7565*010	0126*7702*010	0126*7703*010	0126*7704*010	–	100
9	SHIELD-FLEX® 10–16	10–16	0126*7565*013	0126*7702*013	0126*7703*013	0126*7704*013	0126*7705*013	100
9	SHIELD-FLEX® 12–22	12–22	0126*7565*017	0126*7702*017	0126*7703*017	0126*7704*017	0126*7705*017	100
9	SHIELD-FLEX® 16–27	16–27	0126*7565*021	0126*7702*021	0126*7703*021	0126*7704*021	0126*7705*021	100
9	SHIELD-FLEX® 20–32	20–32	0126*7565*026	0126*7702*026	0126*7703*026	0126*7704*026	0126*7705*026	100
9	SHIELD-FLEX® 25–40	25–40	0126*7565*032	0126*7702*032	0126*7703*032	0126*7704*032	0126*7705*032	100
9	SHIELD-FLEX® 30–45	30–45	0126*7565*037	0126*7702*037	0126*7703*037	0126*7704*037	0126*7705*037	100
9	SHIELD-FLEX® 35–50 (32–50)	35–50	0126*7565*043	0126*7702*041	0126*7703*041	0126*7704*041	0126*7705*041	50
9	SHIELD-FLEX® 40–60	40–60	0126*7565*050	0126*7702*050	0126*7703*050	0126*7704*050	0126*7705*050	50
9	SHIELD-FLEX® 50–70	50–70	0126*7565*060	0126*7702*060	0126*7703*060	0126*7704*060	0126*7705*060	50
9	SHIELD-FLEX® 60–80	60–80	0126*7565*070	0126*7702*070	0126*7703*070	0126*7704*070	0126*7705*070	25
9	SHIELD-FLEX® 70–90	70–90	0126*7565*080	0126*7702*080	0126*7703*080	0126*7704*080	0126*7705*080	25
9	SHIELD-FLEX® 80–100	80–100	0126*7565*090	0126*7702*090	0126*7703*090	0126*7704*090	0126*7705*090	25
9	SHIELD-FLEX® 90–110	90–110	0126*7565*100	0126*7702*100	0126*7703*100	0126*7704*100	0126*7705*100	25
9	SHIELD-FLEX® 100–120	100–120	0126*6565*110	0126*6702*110	0126*6703*110	0126*6704*110	0126*6705*110	25
9	SHIELD-FLEX® 110–130	110–130	0126*6565*120	0126*6702*120	0126*6703*120	0126*6704*120	0126*6705*120	25
9	SHIELD-FLEX® 120–140	120–140	0126*6565*130	0126*6702*130	0126*6703*130	0126*6704*130	0126*6705*130	25
9	SHIELD-FLEX® 130–150	130–150	0126*6565*140	0126*6702*140	0126*6703*140	0126*6704*140	0126*6705*140	25
9	SHIELD-FLEX® 140–160	140–160	0126*6565*150	0126*6702*150	0126*6703*150	0126*6704*150	0126*6705*150	25
12	SHIELD-FLEX® 16–27	16–27	0136*7352*021	0136*7702*021	0136*7703*021	0136*7704*021	0136*7705*021	50
12	SHIELD-FLEX® 20–32	20–32	0136*7352*026	0136*7702*026	0136*7703*026	0136*7704*026	0136*7705*026	50
12	SHIELD-FLEX® 25–40	25–40	0136*7352*032	0136*7702*032	0136*7703*032	0136*7704*032	0136*7705*032	50
12	SHIELD-FLEX® 30–45	30–45	0136*7352*037	0136*7702*037	0136*7703*037	0136*7704*037	0136*7705*037	50
12	SHIELD-FLEX® 35–50	35–50	0136*7352*043	0136*7702*043	0136*7703*043	0136*7704*043	0136*7705*043	50
12	SHIELD-FLEX® 40–60	40–60	0136*7352*050	0136*7702*050	0136*7703*050	0136*7704*050	0136*7705*050	25
12	SHIELD-FLEX® 50–70	50–70	0136*7352*060	0136*7702*060	0136*7703*060	0136*7704*060	0136*7705*060	25
12	SHIELD-FLEX® 60–80	60–80	0136*7352*070	0136*7702*070	0136*7703*070	0136*7704*070	0136*7705*070	25
12	SHIELD-FLEX® 70–90	70–90	0136*7352*080	0136*7702*080	0136*7703*080	0136*7704*080	0136*7705*080	25
12	SHIELD-FLEX® 80–100	80–100	0136*7352*090	0136*7702*090	0136*7703*090	0136*7704*090	0136*7705*090	25
12	SHIELD-FLEX® 90–110	90–110	0136*7352*100	0136*7702*100	0136*7703*100	0136*7704*100	0136*7705*100	25
12	SHIELD-FLEX® 100–120	100–120	0136*6352*110	0136*6702*110	0136*6703*110	0136*6704*110	0136*6705*110	20
12	SHIELD-FLEX® 110–130	110–130	0136*6352*120	0136*6702*120	0136*6703*120	0136*6704*120	0136*6705*120	20
12	SHIELD-FLEX® 120–140	120–140	0136*6352*130	0136*6702*130	0136*6703*130	0136*6704*130	0136*6705*130	20
12	SHIELD-FLEX® 130–150	130–150	0136*6352*140	0136*6702*140	0136*6703*140	0136*6704*140	0136*6705*140	20
12	SHIELD-FLEX® 140–160	140–160	0136*6352*150	0136*6702*150	0136*6703*150	0136*6704*150	0136*6705*150	20