

## High-pressure hoses



**DILO high pressure hoses are the right solution for liquids and applicable for high pressure use. The hoses withstand pressures of up to PN 320 without any problems.**

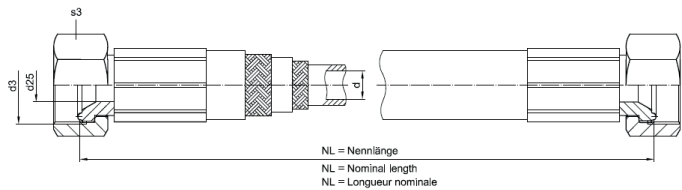
■ **High-pressure hoses**

**76**

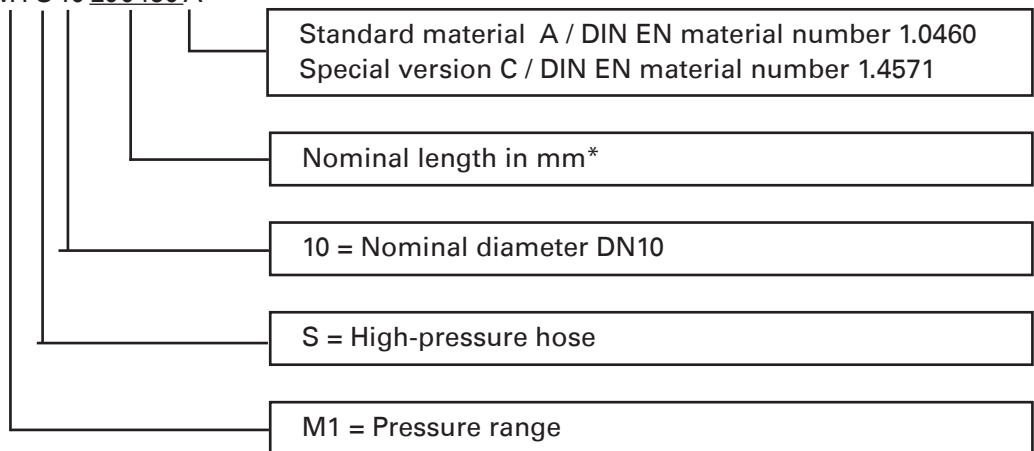
# High-pressure hoses



- Range of temperature from -40 °C to +100 °C (see DIN EN 853/856)
- All hoses are vacuum-tight.
- **Materials and composition**  
The hoses consist of an internal layer made of synthetic rubber which is oil- and water-proof and of an external rubber layer which is oil- and weatherproof.  
Rubber hose reinforced with wire braid.
- **Fitting material**  
Standard: DIN EN material number 1.0460.  
DIN EN material number 1.4571 on request.  
The hose fitting is made in pressnipple form.
- Application only for liquids



Ordering example: M1 S 10 L00450 A



\*High-pressure hoses are available in the following length increments:

Length	Length increment	Tolerance
< 1 m	50 mm	± 2 %
1 m to < 5 m	100 mm	
5 m to < 10 m	500 mm	± 1 %
10 m to < 20 m	1 m	

### M1HDS Series for pressures up to PN 100:

DN	d	d <sub>25</sub> *	d <sub>3</sub>	s <sub>3</sub>	Banding radius	Order number**
8	6,4	4	M 18x1,5	22	100	M1S8L
10	7,9	5,5	M 20x1,5	24	115	M1S10L
12	9,5	7	M 22x1,5	27	130	M1S12L
16	12,7	10	M 26x1,5	32	180	M1S16L
20	15,9	13	M 30x1,5	36	200	M1S20L
25	19	15,5	M 36x2	41	240	M1S25L
32	25,4	21	M 45x2	50	300	M1S32L
40	38,1	32	M 56x2	65	560	M1S40L
50	50,8	42	M 68x2	75	710	M1S50L

### J1HDS Series for pressures up to PN 100:

DN	d	d <sub>25</sub> *	d <sub>3</sub>	s <sub>3</sub>	Banding radius	Order number**
8	6,4	4	M 18x1,5	22	100	J1S8L
10	9,5	7	M 22x1,5	27	130	J1S10L
12	12,7	10	M 24x1,5	30	180	J1S12L
16	15,9	13	M 30x2	36	200	J1S16L
20	19	15,5	M 36x2	41	140	J1S20L
25	25,4	21	M 45x2	50	300	J1S25L
32	31,8	27	M 52x2	60	420	J1S32L
40	38,1	32	M 60x2	70	560	J1S40L
50	50,8	42	M 72x2	80	710	J1S50L

### M2HDS Series for pressures up to PN 200:

DN	d	d <sub>25</sub> *	d <sub>3</sub>	s <sub>3</sub>	Banding radius	Order number**
6	6,4	4	M 18x1,5	22	100	M2S6L
8	7,9	5,5	M 20x1,5	24	115	M2S8L
10	9,5	7	M 22x1,5	27	130	M2S10L
12	12,7	10	M 24x1,5	30	180	M2S12L
16	15,9	13	M 30x2	36	200	M2S16L
20	19	15,5	M 36x2	46	240	M2S20L
25	25,4	21	M 42x2	50	350	M2S25L
32	31,8	27	M 52x2	60	460	M2S32L
40	38,1	32	M 56x2	65	560	M2S40L
50	50,8	42	M 68x2	80	710	M2S50L

\* Smallest diameter of the hose fitting.

\*\* When ordering please specify the desired nominal length.

# High-pressure hoses

## J2HDS Series for pressures up to PN 250:

DN	d	d <sub>25</sub> *	d <sub>3</sub>	s <sub>3</sub>	Banding radius	Order number**
6	6,4	4	M 18x1,5	22	100	J2S6L
8	7,9	5,5	M 20x1,5	24	115	J2S8L
10	9,5	7	M 22x1,5	27	130	J2S10L
12	12,7	10	M 24x1,5	30	180	J2S12L
16	15,9	13	M 30x2	36	200	J2S16L
20 (215 bar)	19	15,5	M 36x2	46	240	J2S20L
25	25,4	21	M 45x2	55	350	J2S25L
32	31,8	27	M 52x2	60	460	J2S32L
40 (200 bar)	38,1	32	M 64x2	75	560	J2S40L

## M3HDS Series for pressures up to PN 320:

DN	d	d <sub>25</sub> *	d <sub>3</sub>	s <sub>3</sub>	Banding radius	Order number**
5	6,4	4	M 18x1,5	24	100	M3S5L
6	7,9	5,5	M 20x1,5	27	115	M3S6L
8	9,5	7	M 22x1,5	30	130	M3S8L
10	12,7	10	M 24x1,5	32	190	M3S10L
12	15,9	13	M 30x2	36	200	M3S12L
16	19	15	M 36x2	46	280	M3S16L
20	25,4	20	M 42x2	50	350	M3S20L

## J3HDS Series for pressures up to PN 320:

DN	d	d <sub>25</sub> *	d <sub>3</sub>	s <sub>3</sub>	Banding radius	Order number**
4	6,4	3	M 16x1,5	22	90	J3S4L
5	6,4	4	M 18x1,5	24	100	J3S5L
6	7,9	5,5	M 20x1,5	27	115	J3S6L
8	9,5	7	M 22x1,5	30	130	J3S8L
10	12,7	10	M 27x2	36	190	J3S10L
12	15,9	13	M 33x2	41	200	J3S12L
16	19	15	M 39x2	46	280	J3S16L
20	25,4	21	M 48x2	55	350	J3S20L

\* Smallest diameter of the hose fitting.

\*\* When ordering please specify the desired nominal length.

## Material:

Material number acc. to DIN	Material specification	AISI material specification	DILO material code letter
1.0460	P250GH	1022M	A
1.4571	X6CrNiMoTi17-12-2	316 Ti	C