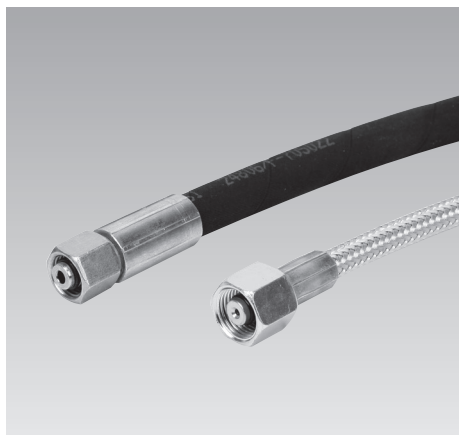


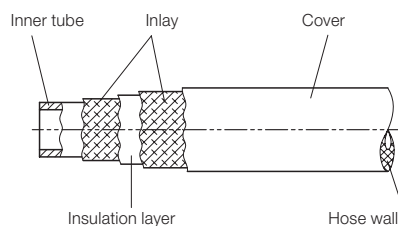


Hydraulic High-Pressure Hoses

assembled ready for connection, max. operating pressure 250/500 bar

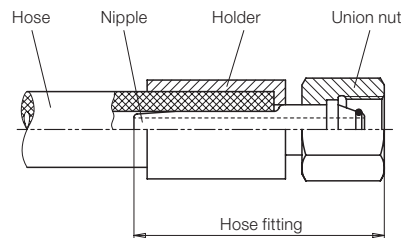


Hose structure



Depending on operating pressure and nominal diameter, high-pressure hoses consist of one or several layers of wire or textile mesh or spiral inlays.

Hose union



After pressing of the hose fittings at both ends the high-pressure hose is ready for connection.

Application

High-pressure hoses are used for energy and signal transmission in hydraulic systems. Especially when connecting movable elements, but also for the connection of hydraulic subassemblies which are not fixed on a common base, e.g. power units and clamping fixtures.

Advantages

- Quadruple safety
- Every desired length available
- Preferred lengths available from stock
- Marking with manufacturing date as per DIN EN
- ND 4 - high-pressure hose in series with wire braiding

Service life

The application time including storage time should not exceed 6 years, the net storage time 2 years. High temperatures, frequent motion cycles or high pulse frequencies can reduce the application time.

Maintenance

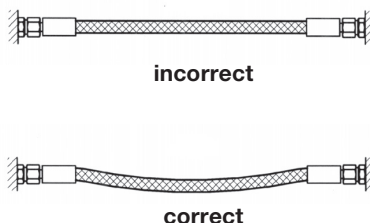
Before putting into operation and then at least once a year, the high-pressure hoses have to be checked by an expert if they are still leak-proof.

Important notes

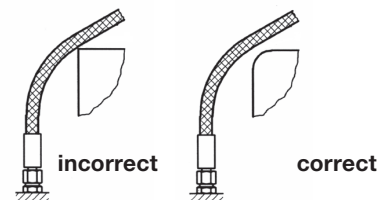
Inappropriate installation, use and maintenance can reduce the service life of high-pressure hoses.

Mounting instructions

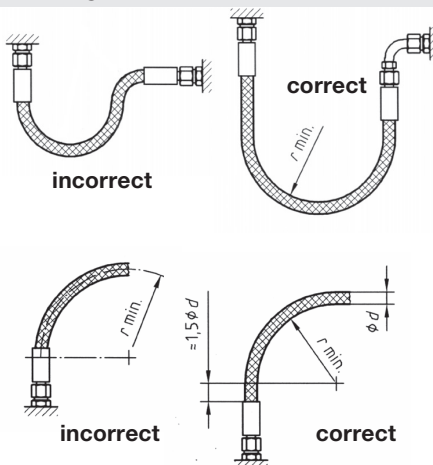
Upsetting or tensile stress



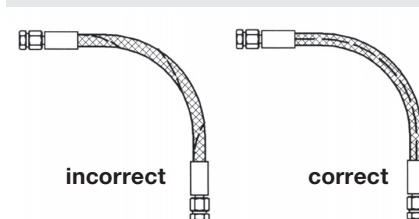
Mechanical damage



Bending radii

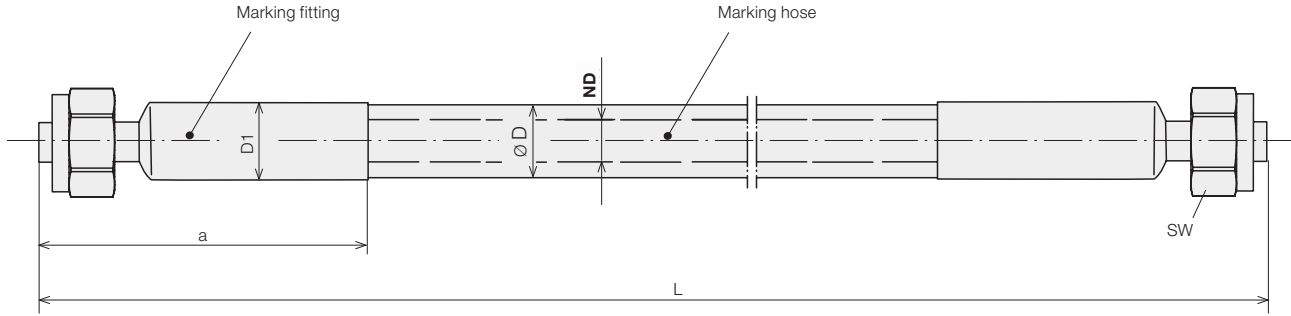


Torsional stress



Dimensions Technical Data • Part no.

Dimensions / Technical data



High-pressure hose	ND	4	4	6,3	6
Max. operating pressure	[bar]	250	500	250	500
Connection size		8L	8S	8L	8S
Union nut		m8L	m8S	m8L	m8S
SW	[mm]	17	19	17	19
D hose Ø	[mm]	9,5*	9,5*	15	17,5
D1 holder Ø	[mm]	13	13	19	19
Min. bending radius	[mm]	50	50	100	100
Fitting length a	[mm]	42	42	50	52
Minimum length	[mm]	150	150	200	200
Specific increase in volume per bar and meter	$\left[\frac{\text{cm}^3}{\text{bar} \cdot \text{m}} \right]$	0.006	0.006	0.008	0.006
Part no.		93751XXXXX	93752XXXXX	93206XXXXX	93706XXXXX

Preferred lengths:	L =		93751 00500	93752 00500	93206 00500	93706 00500
	500	[mm]				
	1000	[mm]				
	1600	[mm]				
	2500	[mm]				

* with wire braiding

Marking hose

On the hose there is the following marking:

- Name or code of the manufacturer
- Number of European standard
- Type
- Nominal diameter
- Quarter and the last two figures of the year of manufacture

Marking fitting

On the fitting there is the following marking:

- Name or code of the manufacturer
- Month of manufacture
- The last two figures of the year of manufacture
- Nominal pressure PN of the hose fitting
- Part no. of the complete high-pressure hose

Important notes!

We deliver only completely pressed high-pressure hoses with mounted union nut. Pipe sockets with removable cutting ring and union nut are no longer allowed.

Code for part numbers

93XXX XXXXX

Hose length L in mm

Gradation: 5 mm

Example: L = 750 mm : **00750**

(Pay attention to the minimum length as per chart)

Nominal diameter, union nut and nominal pressure

751 : ND 4 – m8L – 250 bar

752 : ND 4 – m8S – 500 bar

206 : ND 6,3 – m8L – 250 bar

706 : ND 6 – m8S – 500 bar

Length tolerance as per DIN 20066

Hose length L	Tolerance
≤ 630 mm	+7 / -3 mm
631 – 1250 mm	+12 / -4 mm
1251 – 2500 mm	+20 / -6 mm
2501 – 8000 mm	+1,5 / -0,5 %
> 8001 mm	+3 / -1 %