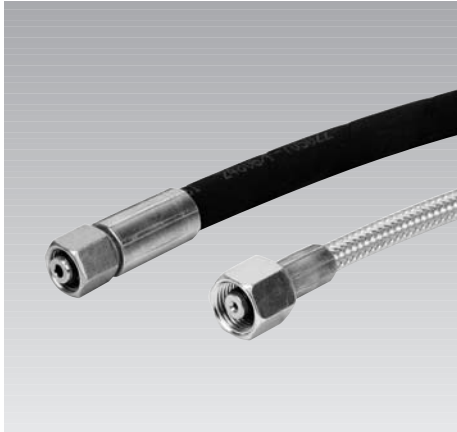
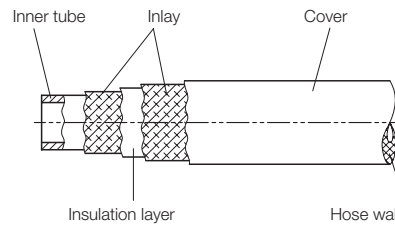




Hydraulic High-Pressure Hoses assembled ready for connection, max. operating pressure 250/500 bar

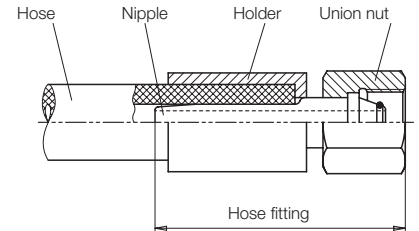


Hose structure



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.

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

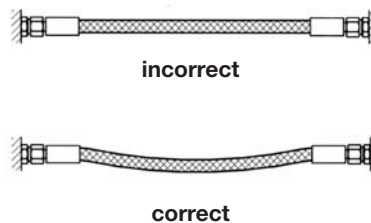
Inappropriate installation, use and maintenance can reduce the service life of high-pressure hoses.

Advantages

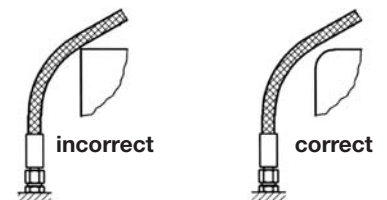
- Quadruple safety
- Every desired length available
- Preferred lengths available from stock
- Marking with manufacturing date as per DIN EN
- ND 4 - high-pressure hose in series with wire braiding

Mounting instructions

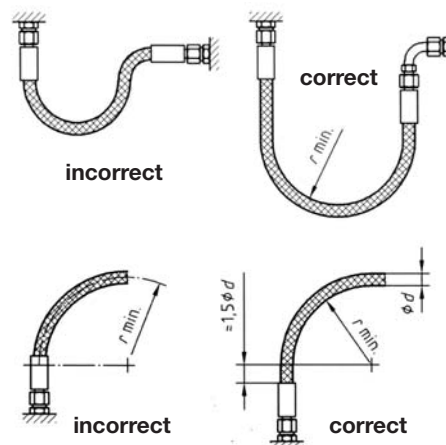
Upsetting or tensile stress



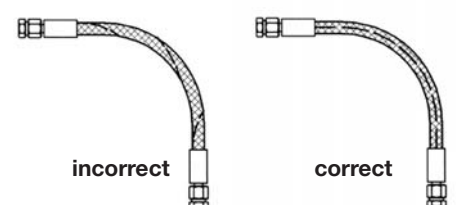
Mechanical damage



Bending radii

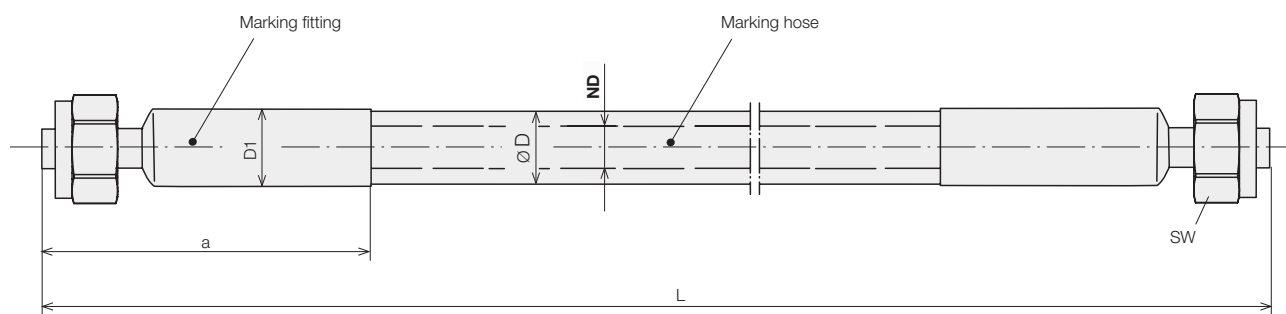


Torsional stress





Dimensions / Technical characteristics



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*	17	22
D1 holder Ø	[mm]	13	13	19	27
Min. bending radius	[mm]	50	50	100	100
Fitting length a	[mm]	42	42	50	64
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. **93751-XXXXX** **93752-XXXXX** **93206-XXXXX** **93706-XXXXX**

Preferred lengths: L =		93751-00500	93752-00500	93206-00500	93706-00500
500	[mm]				
1000	[mm]	93751-01000	93752-01000	93206-01000	93706-01000
1600	[mm]	93751-01600	93752-01600	93206-01600	93706-01600
2500	[mm]	93751-02500	93752-02500	93206-02500	93706-02500

* 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