



High-pressure Hoselines

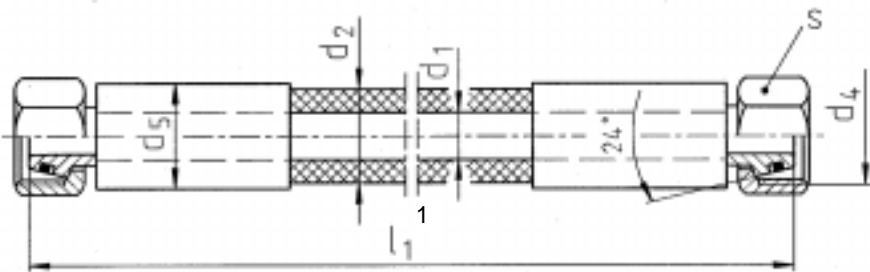
SN 756

Dimensions in mm

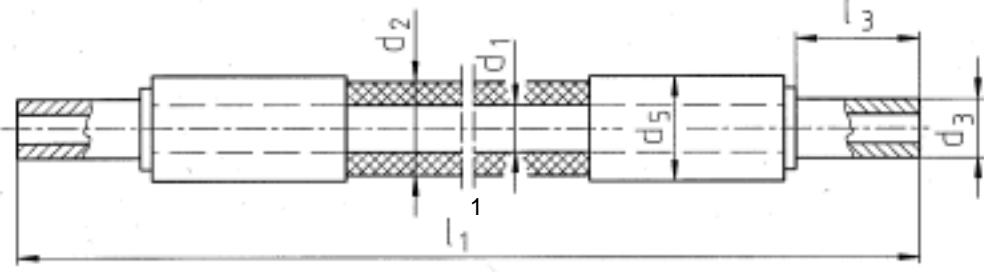
Application

The hoses are used in high-pressure hydraulic systems operating on mineral-oil basis or with water-glycol emulsions and for light fuel oils, lubricating oils, air and water. These hoselines are comparable and interchangeable with the corresponding types of AEROQUIP and ARGUS and therefore should be used with preference.

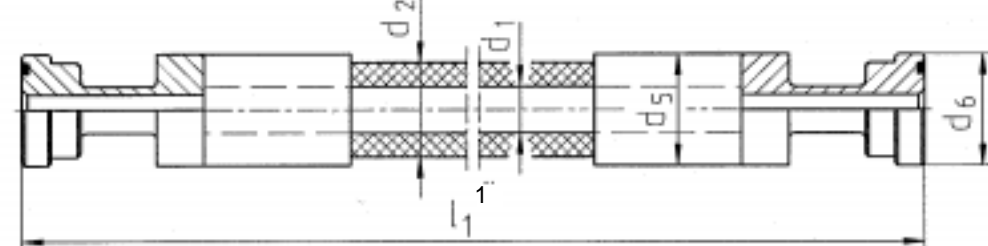
Shape A  
(from DN 6 - DN 32)  
for welding cone couplings



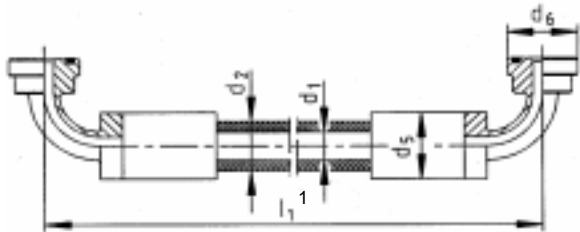
Shape B  
(from DN 6 - DN 8)  
for solderless pipe couplings



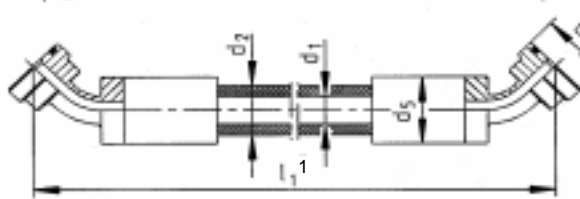
Shape C - E  
(from DN 12 - DN 32)  
for SAE flange connection 6000 psi



Shape D



Shape E



Designation of a complete high-pressure hoseline (4SH), shape A, nominal width of DN 25 and length 1000 mm:

Hoseline SN 756 – 4SA 25 x 1000

	DN	d <sup>1</sup>	d <sup>2</sup>	d <sup>3 2</sup>	d <sup>4 3</sup>	d <sup>5</sup>	d <sup>6 4</sup>	l <sup>3</sup>	Bending Radius r <sub>min</sub>	s	Operat. Pressure bar		Weight kg/m		
											dynamic	static	A	B	C - E
H	6	6,4	15,0	6	M18 x 1,5	22	-	20	100	22	400	600	0,53	0,45	-
				8			-	22						0,45	-
				10			-	26						0,47	-
H	8	7,9	16,6	12	M20 x 1,5	24	-	26	115	24	350	560	0,60	0,54	-
(H)	(12)	12,7	22,2	-	M24 x 1,5	30	-	-	180	30	275	440	0,93	-	-
(H)	(16)	15,9	25,4	-	M30 x 2	33	-	-	200	36	250	400	1,29	-	-
(H)	(20)	19,0	29,3	-	M36 x 2	38	-	-	240	46	215	340	1,82	-	-
4H	12	12,7	24,6	-	M24 x 1,5	30	31,7	-	230	30	415	660	1,19	-	1,29
4H	16	15,9	28,2	-	M30 x 2	33	31,7	-	250	36	350	500	1,69	-	1,77
4H	20	19,0	32,2	-	M36 x 2	38	41,3	-	300	46	350	500	2,37	-	2,31
(H)	(25)	25,4	39,7	-	M42 x 2	46	47,6	-	340	50	280	400	3,35	-	2,92
(H)	(32)	31,8	50,8	-	M52 x 2	58	54,0	-	460	60	210	300	5,25	-	4,45
4SH	25	25,4	38,7	-	M42 x 2	46	47,6	-	340	50	380	550	3,38	-	3,08
4SH	32	31,8	45,5	-	M52 x 2	56	63,5	-	460	60	350	500	4,74	-	4,14

If possible, do not use nominal widths shown in round brackets.

The static operating pressure must only be used with highly aqueous power fluids which are predominantly subject to static loads.

Footnotes see page 2

Continued on page 2

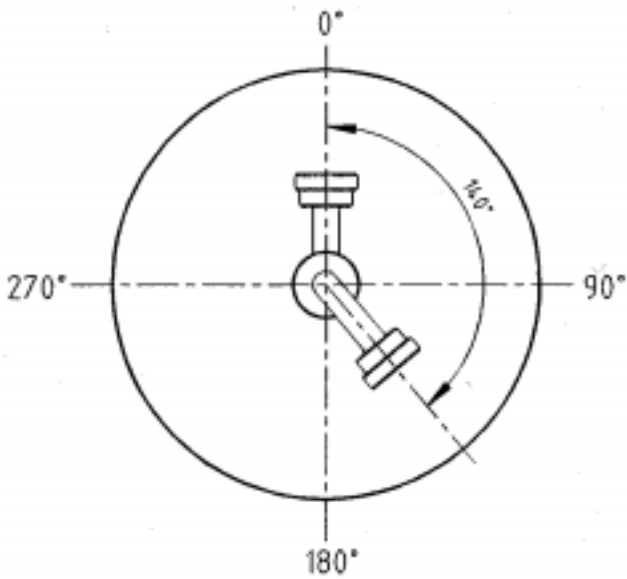
Standard lengths for hoseline

160	200	250	315	400	500	630	800	1000	1250	1400	1600	1800	2000	2500	3150	4000
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Admissible length deviation

l <sub>1</sub>	up to 630	over 630 to 1250	over 1250 to 2500	over 2500 to 8000	over 8000
DN25	+ 7 - 3	+12 - 4	+20 - 6	+ 1,5% - 0,5%	+ 3% - 1%
DN32	+12 - 4	+20 - 6	+25 - 6		

The angular position for hoselines with two-side elbow fittings (shapes D + E) can be determined as follows.



Look along the hoseline with the rear fitting (the one pointing away from you) pointing to top.  
Then specify the degree at which the front fitting is turned in clockwise direction.

E.g. turned by 140 ° (this specification is to be indicated in the bill of material) Tolerance ± 3 ° .

Hoseline SN 756 – 4SHDE 32 x 800 – turned by 140 °

For low pressure hoselines, please refer to SN 544

<sup>1</sup> Specification of length as required for the purpose, but the standard lengths are to be taken into account.  
<sup>2</sup> For solderless pipe couplings with cutting ring, please refer to SN 456.  
<sup>3</sup> For male studs and weld-on sockets, please refer to SN 759.  
<sup>4</sup> For SAE flanges, please refer to SN 532.