

hydraulic hose series 1S, 2S, 4S



inner tube	synthetic rubber
reinforcement	steel reinforcement
outer layer	synthetic rubber, oil and weather resistant, very abrasion resistant
temperature range	-40°C...+100°C, max. +120°C
operating pressure	according to table
standard	1SN/2SN - EN853 2SC - EN857 4SP/4SH - EN856
application	hydraulic systems with mineral oils, vegetable oils and water compressed air and neutral gaseous to 15bar, for higher pressures the outer layer must be perforated

hydraulic hose, 1 steel reinforcement

inside diameter of hose [mm]			outside diameter of hose [mm]	operating pressure max. [bar]	burst pressure [bar]	minimum bending radius [mm]	weight [kg/m]	type
ID [Size]	ID [mm]	ID [inch]						
04	6,4	1/4	13,2	225	900	100	0,225	1SN-04
05	8	5/16	14,8	215	850	115	0,260	1SN-05
06	9,5	3/8	17,2	180	720	130	0,340	1SN-06
08	12,7	1/2	20,4	160	640	180	0,415	1SN-08
10	16	5/8	23,5	130	520	200	0,475	1SN-10
12	19	3/4	27,5	105	420	240	0,590	1SN-12
16	25,4	1	35,4	88	350	300	0,815	1SN-16
20	31,8	1 1/4	43,5	63	250	420	1,205	1SN-20
24	38,1	1 1/2	50	50	200	500	1,405	1SN-24

hydraulic hose, 2 steel reinforcements

inside diameter of hose [mm]			outside diameter of hose [mm]	operating pressure max. [bar]	burst pressure [bar]	minimum bending radius [mm]	weight [kg/m]	type
ID [Size]	ID [mm]	ID [inch]						
03	4,8	3/16	11,5	420	1850	40	0,300	2SC-03
04	6,4	1/4	13,4	400	1600	75	0,280	2SC-04
05	8	5/16	15	350	1400	85	0,330	2SC-05
06	9,5	3/8	17,1	330	1320	90	0,420	2SC-06
08	12,7	1/2	20,7	275	1100	130	0,575	2SC-08
10	16	5/8	23,8	250	1000	170	0,685	2SC-10
12	19	3/4	27,7	215	850	200	0,510	2SC-12
16	25,4	1	35,5	165	650	250	1,170	2SC-16
20	31,8	1 1/4	47,3	125	500	420	1,895	2SN-20
24	38,1	1 1/2	53,7	90	360	500	2,120	2SN-24

hydraulic hose, 4 steel reinforcements

inside diameter of hose [mm]			outside diameter of hose [mm]	operating pressure max. [bar]	burst pressure [bar]	minimum bending radius [mm]	weight [kg/m]	type
ID [Size]	ID [mm]	ID [inch]						
06	9,5	3/8	21,2	445	1780	180	0,585	4SP-06
08	12,7	1/2	24,4	415	1660	230	0,750	4SP-08
10	16	5/8	28	350	1400	250	0,890	4SP-10
12	19	3/4	32	420	1680	280	1,500	4SH-12
16	25,4	1	38,4	380	1520	340	2,060	4SH-16
20	31,8	1 1/4	45,2	325	1300	460	2,425	4SH-20
24	38,1	1 1/2	53	290	1160	560	3,235	4SH-24

illustrations are non-binding

all designs, configurations, measurements and materials are subject to change without prior notice