

4SH Hydraulic Hose

Extra-flexible high-pressure hose with 4 steel wire spirals

Very high-pressure hydraulic hose with an extra-flexible construction and four high-tensile steel wire spirals. Suitable for demanding hydraulic installations using petroleum-based hydraulic fluids.



Technical specifications

Standards	DIN EN 856 4SH / ISO 3862	Safety factor	4:1
Inner tube	Seamless, oil-resistant synthetic rubber	Reinforcement	4 high-tensile steel wire spirals
Outer cover	Black, wrapped, oil, weather and abrasion-resistant synthetic rubber	Application	Petroleum-based hydraulic fluids
Temperature	-40 °C to +100 °C, intermittent service up to +120 °C	Water-based fluids	Max. recommended temperature +70 °C
Compressed air	Max. recommended temperature +60 °C	Special version	Tough-cover version
Fittings	2-piece fitting system, contact Scan-Tech for correct selection	Construction	Very high pressure, extra flexible

Dimensions and pressure ratings

Item No.	DN	inch	SAE	ID mm	OD mm	Working pressure bar	Min. burst pressure bar	Min. bend radius mm	Weight kg/m
10100912F	DN19	3/4"	-12	19.2	30.8	420	1680	265	1.56
10100916F	DN25	1"	-16	25.6	37.6	420	1680	330	2.09
10100920F	DN31	1 1/4"	-20	32.1	44.5	350	1400	460	2.57
10100924F	DN38	1 1/2"	-24	38.3	51.7	300	1200	560	3.44
10100932F	DN51	2"	-32	51.0	66.0	250	1000	700	4.90

Note: For sizes -12 (3/4") and -16 (1"), this hose corresponds to 4SH / SAE 100R13 / SAE 100R15. The specified working pressures are higher than standard SAE 100R13. Contact Scan-Tech for hose and fitting selection. Technical data may change without notice.