FP-2SN Series | Two Wire Braided Hydraulic Hose

EN 853 2SN • Two high-tensile steel wire braids • Hydraulic hose

Product description

Two-wire braided hydraulic hose designed for medium-high pressure hydraulic circuits and demanding industrial and mobile applications.

Construction

Inner tube: oil-resistant synthetic rubber
Reinforcement: two high-tensile steel wire braids
Cover: synthetic rubber resistant to temperature, ozone and weather

General characteristics

Standard	EN 853 2SN
Temperature range	-40°C to +100°C
Media	Mineral oil; poly-glycol based oil; water (0°C to +70°C); water-oil emulsions
Applications	Medium-high pressure hydraulic circuits
Colour	Black
Length change	+2% to -4% (at maximum working pressure test)

FLEXPRO Part Number Series

FLEXPRO part-number convention: FP-2SN-DNxx (e.g. FP-2SN-DN06 for DN6 / 1/4 inch).

Technical specifications

Dimensions and pressure ratings

FLEXPRO code	DN	Inch	ID range (mm)	OD max (mm)	WP (bar)	Burst (bar)	Bend radius (mm)
FP-2SN-DN05	5	3/16″	4.6–5.4	14.1	415	1650	90
FP-2SN-DN06	6	1/4″	6.2–7.0	15.7	400	1600	100
FP-2SN-DN08	8	5/16″	7.7–8.5	17.3	350	1400	115
FP-2SN-DN10	10	3/8″	9.3–10.1	19.7	330	1320	130
FP-2SN-DN12	12	1/2″	12.3–13.5	23.0	275	1100	180
FP-2SN-DN16	16	5/8″	15.5–16.7	26.2	250	1000	200
FP-2SN-DN19	19	3/4″	18.6–19.8	30.1	215	850	240
FP-2SN-DN25	25	1″	25.0–26.4	38.9	165	650	300
FP-2SN-DN31	31	1¼″	31.4–33.0	49.5	125	500	420
FP-2SN-DN38	38	1½″	37.7–39.3	55.9	90	360	500
FP-2SN-DN51	51	2″	50.4–52.0	68.6	80	320	630
FP-2SN-DN60	60	2■″	59.6–61.2	73.1	90	360	630
FP-2SN-DN76	76	3″	75.6–77.2	92.6	45	180	912

Note: Verify pressure ratings, dimensional tolerances, hose compatibility, fittings and certification before commercial supply. FLEXPRO part numbers are proposed identifiers.

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