

Sempermax

Ultra High Pressure Hydraulic Spiral Hose with 500+ Bar Technology



Designed for today's highest demanding hydraulic systems:

- Hydrostatic drive applications [working pressure up to 560 bar]
- Highest pressure applications [forestry, large construction, agriculture]

GENERAL

Tube	Synthetic rubber, resistant against hydraulic fluids [HL, HLP, HLPD, HVLP, HFA, HFAS, HFB, HFC]
Reinforcement	Four spiral layers DN19 – DN25 and six spiral layers DN32 of high tensile steel wire
Cover	SemperRock Abrasion and ozone resistant synthetic rubber – accepted by MSHA SemperShield cover available on request
Temperature range	-40°C to 100°C / -40°F to +212°F [max 120°C / 248°F intermittent]
Standard branding	Mylar tape
Note	Impulse tested up to 500.000 cycles [tested acc. to ISO6803:2017]

TECHNICAL DETAILS

																
Nominal			Internal-Ø		Spiral-Ø		External-Ø		Work. pressure [max.]		Min. burst pressure		Bending radius [min.]		Weight approx.	
mm	inch	dash	mm	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	lbs/ft	kg/m
19	3/4	-12	19.5	0.77	29.1	1.14	31.4	1.24	560	8120	2240	32480	270	10.6	1.06	1.57
25	1	-16	25.9	1.02	36.7	1.44	38.9	1.53	560	8120	2240	32480	300	11.8	1.54	2.29
31	1-1/4	-20	32.5	1.28	46.9	1.84	50.5	1.99	525	7610	2100	30440	420	16.5	2.77	4.12