



DIN EN 853 2SN / SAE 100R2AT

According to ISO 1436 / DIN EN 853 type 2SN / SAE J517 type SAE 100R2 AT

High pressure, double steel braid reinforced hydraulic hose

HIGH TEMPERATURE

+ 150°C (+ 302°F) intermittent service

+ 135°C (+ 275°F) continuous service



Inner tube: seamless oil resistant synthetic rubber resistant to high temperature

Reinforcement: 2 high tensile steel wire braids

Outer tube: black, oil, weather and abrasion resistant synthetic rubber

Safety factor: 4: 1

Application: petroleum base hydraulic fluids

Temperature range: intermittent: - 40°C (- 40°F) + 150°C (+ 302°F); continuous service: + 135°C (+ 275°F)

Max. temperature recommended for water base hydraulic fluids: **+ 120°C (+ 248°F)**

Max. temperature recommended for air: **+ 60°C (+ 140°F)**

Couplings: crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
		mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
3/16"	- 3	4,8	0.19	13,4	0.53	41.5	6015	165.0	24060	89	3.5	0,32
1/4"	- 4	6,3	0.25	15,0	0.59	40.0	5800	160.0	23200	100	3.9	0,38
5/16"	- 5	8,0	0.31	16,6	0.65	35.0	5075	140.0	20300	114	4.5	0,45
3/8"	- 6	9,5	0.38	19,0	0.75	33.0	4785	132.0	19140	127	5.0	0,53
1/2"	- 8	12,7	0.50	22,2	0.87	27.5	3985	110.0	15940	178	7.0	0,65
5/8"	- 10	16,0	0.63	25,5	1.00	25.0	3625	100.0	14500	200	7.9	0,76
3/4"	- 12	19,0	0.75	29,4	1.15	21.5	3120	86.0	12480	240	9.4	1,00
1"	- 16	25,4	1.00	37,9	1.50	16.5	2390	65.0	9560	300	11.8	1,48
1.1/4"	- 20	32,0	1.25	48,5	1.90	12.5	1810	50.0	7240	419	16.5	2,14
1.1/2"	- 24	38,0	1.50	54,7	2.15	9.0	1300	36.0	5200	500	19.7	2,55
2"	- 32	50,8	2.00	67,4	2.65	8.0	1160	32.0	4640	630	24.8	3,30

hydraulic hose **DIN EN 853 2SN / SAE 100R2AT** has a very superior working and burst pressure compared with only **SAE 100R2AT**

COVER: U.S. MSHA APPROVED