

1SN ISO 1436 / SAE 100 R1AT

Applicable Standard

ISO 1436 1SN
SAE J517 100 R1 AT



Liner

Oil resistant synthetic rubber

Reinforcement

One braid of high tensile steel wire

Cover

Oil and weather resistant black synthetic rubber

Application

High pressure hydraulic lines

Temperature

Hydraulics Oils: from -40°C to 100°C (from -40°F to 212°F)
Water Glycol Hydraulic Fluids: from -40°C to 70°C (from -40°F to 158°F)
Water: from 0°C to 70°C (from 32°F to 158°F)
Air: up to 70°C (up to 158°F)

														
**	DN	dash size	inch	mm	mm	inch	MPa	psi	MPa	psi	mm	inch	g/m	lb/ft
1SN-3	5	-3	3/16"	4,8	12,5	0,492	25	3625	100	14500	90	3,54	184	0,124
1SN-4	6	-4	1/4"	6,4	14,1	0,555	22,5	3260	90	13050	100	3,94	221	0,149
1SN-5	8	-5	5/16"	7,9	15,7	0,618	21	3045	84	12180	115	4,53	259	0,174
1SN-6	10	-6	3/8"	9,5	18,1	0,713	18	2610	72	10440	130	5,12	348	0,234
1SN-8	12	-8	1/2"	12,7	21,4	0,843	16	2320	64	9280	180	7,09	410	0,276
1SN-10	16	-10	5/8"	15,9	24,5	0,965	13	1885	52	7540	200	7,87	486	0,327
1SN-12	19	-12	3/4"	19	28,5	1,122	10,5	1520	42	6090	240	9,45	625	0,42
1SN-16	25	-16	1"	25,4	36,6	1,441	8,7	1262	35	5075	300	11,81	926	0,622
1SN-20	31	-20	1.1/4"	31,8	44,8	1,764	6,3	914	25	3625	420	16,54	1231	0,827
1SN-24	38	-24	1.1/2"	38,1	52,1	2,051	5	725	20	2900	500	19,69	1480	0,995
1SN-32	51	-32	2"	50,8	65,5	2,579	4	580	16	2320	630	24,8	2006	1,348

				crimping Ø +/- 0,2 0,008		crimping style +/-		int. skive +/- 0,5 0,02		ext. skive +/- 0,5 0,02		ins. depth +/- 0,5 0,02		ferrule code	
	DN	dash s	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch		
1SN-3	5	-3	3/16"	14,5	0,571	FLAT	0 0	0 0	0 0	0 0	0 0	21	0,827		
1SN-4	6	-4	1/4"	16,8	0,661	FLAT	0 0	0 0	0 0	0 0	0 0	24	0,945		
1SN-5	8	-5	5/16"	18,9	0,744	FLAT	0 0	0 0	0 0	0 0	0 0	25	0,984		
1SN-6	10	-6	3/8"	21,4	0,843	FLAT	0 0	0 0	0 0	0 0	0 0	25	0,984		
1SN-8	12	-8	1/2"	25,0	0,984	FLAT	0 0	0 0	0 0	0 0	0 0	27	1,063		
1SN-10	16	-10	5/8"	27,8	1,094	FLAT	0 0	0 0	0 0	0 0	0 0	30	1,181		
1SN-12	19	-12	3/4"	31,8	1,252	FLAT	0 0	0 0	0 0	0 0	0 0	35	1,378		
1SN-16	25	-16	1"	40,2	1,583	FLAT	0 0	0 0	0 0	0 0	0 0	41	1,614		
1SN-20	31	-20	1.1/4"	47,8	1,882	FLAT	0 0	0 0	0 0	0 0	0 0	49	1,929		
1SN-24	38	-24	1.1/2"	57,5	2,264	FLAT	0 0	0 0	0 0	0 0	0 0	62	2,441		
1SN-32	51	-32	2"	69,5	2,736	FLAT	0 0	0 0	0 0	0 0	0 0	65	2,559		

This hose fits with SERIES 1 couplings