

1SN ISO 1436 / SAE 100 R1AT MSHA

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 MSHA approved

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	
1SNMSHA-3	5	-3	3/16"	4,8	12,5	0,492	25	3625	100	14500	90	3,54	184	0,124	
1SNMSHA-4	6	-4	1/4"	6,4	14,1	0,555	22,5	3260	90	13050	100	3,94	221	0,149	
1SNMSHA-5	8	-5	5/16"	7,9	15,7	0,618	21	3045	84	12180	115	4,53	259	0,174	
1SNMSHA-6	10	-6	3/8"	9,5	18,1	0,713	18	2610	72	10440	130	5,12	348	0,234	
1SNMSHA-8	12	-8	1/2"	12,7	21,4	0,843	16	2320	64	9280	180	7,09	410	0,276	
1SNMSHA-10	16	-10	5/8"	15,9	24,5	0,965	13	1885	52	7540	200	7,87	486	0,327	
1SNMSHA-12	19	-12	3/4"	19	28,5	1,122	10,5	1520	42	6090	240	9,45	625	0,42	
1SNMSHA-16	25	-16	1"	25,4	36,6	1,441	8,7	1262	35	5075	300	11,81	926	0,622	
1SNMSHA-20	31	-20	1.1/4"	31,8	44,8	1,764	6,3	914	25	3625	420	16,54	1231	0,827	
1SNMSHA-24	38	-24	1.1/2"	38,1	52,1	2,051	5	725	20	2900	500	19,69	1405	0,944	
1SNMSHA-32	51	-32	2"	50,8	65,5	2,579	4	580	16	2320	630	24,8	1910	1,283	

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

This hose fits with SERIES 1 couplings