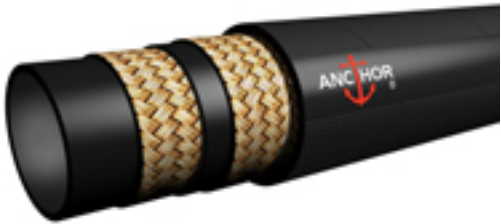


R19 ISO 11237 SAE 100 R19 MSHA "HA" HIGH ABRASION RESISTANCE

Applicable Standard
ISO 11237 R19



- Liner**
Oil resistant synthetic rubber
- Reinforcement**
Two braids of high tensile steel wire
- Cover**
High abrasion resistance (HA) syntetic rubber MSHA approved
- Application**
High pressure hydraulic lines

Temperature
Hydraulics Oils: from -40°C to 120°C (from -40°F to 248°F)
Water Glycol Hydraulic Fluids: from -40°C to 70°C (from -40°F to 158°F)
Water:
Air:

														
**	DN	dash size	inch	mm	mm	inch	MPa	psi	MPa	psi	mm	inch	g/m	lb/ft
R19MSHAHA-4	6	-4	1/4"	14,4	14,4	0,567	28	4060	112	16240	50	1,97	280	0,188
R19MSHAHA-5	8	-5	5/16"	16,3	16,3	0,642	28	4060	112	16240	55	2,17	315	0,212
R19MSHAHA-6	10	-6	3/8"	18,0	18	0,709	28	4060	112	16240	65	2,56	405	0,272
R19MSHAHA-8	12	-8	1/2"	22,6	22,6	0,89	28	4060	112	16240	90	3,54	535	0,36
R19MSHAHA-10	16	-10	5/8"	27,5	27,5	1,083	28	4060	112	16240	100	3,94	645	0,433
R19MSHAHA-12	19	-12	3/4"	32,5	32,5	1,28	28	4060	112	16240	120	4,72	875	0,588
R19MSHAHA-16	25	-16	1"	39,4	39,4	1,551	28	4060	112	16240	150	5,91	1320	0,887

				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	0,5	0,02	
	DN	dash s	inch	mm	inch	mm	inch		mm	inch	mm	inch	mm	inch	
R19MSHAHA-4	6	-4	1/4"	17,9	0,705	FLAT	0	0	0	0	0	0	24	0,945	
R19MSHAHA-5	8	-5	5/16"	19,3	0,76	FLAT	0	0	0	0	0	0	25	0,984	
R19MSHAHA-6	10	-6	3/8"	22,0	0,866	FLAT	0	0	0	0	0	0	25	0,984	
R19MSHAHA-8	12	-8	1/2"	25,2	0,992	FLAT	0	0	0	0	0	0	27	1,063	
R19MSHAHA-10	16	-10	5/8"	27,9	1,098	FLAT	0	0	0	0	0	0	30	1,181	
R19MSHAHA-12	19	-12	3/4"	32,7	1,287	FLAT	0	0	0	0	0	0	35	1,378	
R19MSHAHA-16	25	-16	1"	41,5	1,634	FLAT	0	0	0	0	0	0	41	1,614	

This hose fits with SERIES 1 couplings

 ISO 11237 R19 DN ** */** HA WP ** MPa (*** bar) MSHA IC-***/**