

303/302A Single Wire Braid

MIL-DTL-8794



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Vacuum Service		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	Kg/m	lbs/ft
303-4	4,8	0.19	13,2	0.52	210,0	3000	840,0	12000	76,2	3.00	94,8	28	0,22	0.15
303-5	6,4	0.25	14,7	0.58	210,0	3000	700,0	10000	85,9	3.38	94,8	28	0,28	0.19
303-6	7,9	0.31	17,3	0.68	140,0	2000	630,0	9000	101,6	4.00	94,8	28	0,32	0.22
303-8	10,4	0.41	19,6	0.77	140,0	2000	560,0	8000	117,3	4.62	94,8	28	0,38	0.26
303-10	12,7	0.50	23,4	0.92	122,0	1750	490,0	7000	139,7	5.50	94,8	28	0,53	0.36
303-12	16,0	0.63	27,4	1.08	105,0	1500	420,0	6000	165,1	6.50	94,8	28	0,62	0.46
302A-16	22,4	0.88	31,2	1.23	56,0	800	224,0	3200	187,5	7.38	94,8	28	0,55	0.44
302A-20	28,4	1.12	38,1	1.50	42,0	600	175,0	2500	228,6	9.00	94,8	28	0,68	0.52
302A-24	35,1	1.38	44,5	1.75	35,0	500	140,0	2000	279,4	11.00	94,8	28	0,81	0.67
302A32	46,0	1.81	56,4	2.22	24,0	350	98,0	1400	336,6	13.25	94,8	28	1,15	0.94

Construction
Synthetic rubber tube, textile inner braid, single wire braid reinforcement and black textile braid cover.

Operating Temperature Range
303 hose: -54°C to +121°C
[65°F to +250°F]

302A hose: -40°C to +121°C
[-40°F to +250°F]

Application
Hydraulics, air, gasoline, fuel and lubricating oils. Air not to exceed +71°C [+160°F]. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

For Complete Agency Listings
See pages 346-348.

Fitting Reference	Page
Reusable	
Fitting	136
Socket Data	65

1503 Single Wire Braid

SAE 100R5



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Vacuum Service		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	in/Hg	Kg/m	lbs/ft
1503-4	4,8	0.19	13,2	0.52	210,0	3000	840,0	12000	76,2	3.00	94,8	28	0,19	0.13
1503-5	6,4	0.25	14,7	0.58	210,0	3000	840,0	12000	85,9	3.38	94,8	28	0,24	0.16
1503-6	7,9	0.31	17,3	0.68	157,0	2250	630,0	9000	101,6	4.00	94,8	28	0,27	0.23
1503-8	10,4	0.41	19,6	0.77	140,0	2000	560,0	8000	117,3	4.62	94,8	28	0,32	0.26
1503-10	12,7	0.50	23,4	0.92	122,0	1750	490,0	7000	139,7	5.50	94,8	28	0,49	0.37
1503-12	16,0	0.63	27,4	1.08	105,0	1500	420,0	6000	165,1	6.50	94,8	28	0,58	0.46
1503-16	22,4	0.88	31,2	1.23	56,0	800	224,0	3200	187,5	7.38	67,7	20†	0,55	0.44
1503-20	28,4	1.12	38,1	1.50	43,0	625	175,0	2500	228,6	9.00	67,7	20†	0,68	0.52
1503-24	35,1	1.38	44,5	1.75	35,0	500	140,0	2000	266,7	10.50	50,8	15†	0,92	0.67
1503-32	46,0	1.81	56,6	2.23	24,0	350	98,0	1400	366,6	13.25	37,3	11†	1,28	0.94
1503-40	60,1	2.38	73,2	2.88	24,0	350	98,0	1400	609,6	24.00	37,3	11†	2,11	1.43

Construction
Synthetic rubber tube, textile inner braid, single wire braid reinforcement and black textile braid cover.

Operating Temperature Range
-40°C to +121°C [-40°F to +250°F]

Air not to exceed +71°C [+160°F].

Application
Hydraulics, air, gasoline, fuel and lubricating oils. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

†Maximum negative pressures shown for -16 and larger are suitable only for those which has suffered no external damage or kinking. If greater negative pressures are required for -16 and larger hoses, the use of an internal support coil is recommended.

For Complete Agency Listings
See pages 346-348.

Fitting Reference	Page
Crimp	
100R5	134
Reusable	
Fitting	136
Socket Data	65

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