



Hydraulic Hose Tech Data Sheet

TECH DATA SHEET 5002

Hydraulic Hose Range



EN853, DIN20022, SAE100R2AT (Exceeds SAE 100R2AT)

Application:

Medium pressure hydraulic applications

Specification:

DIN 20022, EN853-2, exceeds SAE100 R2AT

Construction:

Inner tube: oil resistant synthetic rubber (NBR)

Reinforcement: 2 single steel wire braids

Outer cover: oil and weather resistant synthetic rubber

Recommended Fluids:

Hose suitable for petroleum based hydraulic oil and water-glycol based fluids, air and water

NB: For air above 17 bar, the hose cover must be pin-pricked

Available per 1 metre

Smooth cover available on request

 **Working Temperature:**
-40°C to +100°C



FT PRO 100R2AT - 04 - DIN 20022 - EN853 - SAE 100R2AT - 1/4" - 06MM - W.P. 400 BAR MSHA IC-267 (Q3 24)

Part Number	Size			ID		OD 2SN	Working Pressure		Burst Pressure		Bend Radius		Weight	Crimping Dimensions	Size in mm	Tail ID Top Tolerance	Tail ID Bottom Tolerance	Crimped No Go	Crimped Go
	mm	inch	SAE	min	max		bar	psi	bar	psi	Inch	mm							
100R2AT-03	4.7	3/16	-3	4.9	5	14.1	415	6019	1650	23931	3.54	90	0.32	FT3-12-03CF	16.4	2.89	3.05	2.80	2.93
100R2AT-04	6.3	1/4	-4	6.4	7	15.7	400	5800	1600	23200	3.94	100	0.36	FT3-12-04CF	19.0	3.86	3.67	3.67	3.45
100R2AT-05	8	5/16	-5	7.9	8.5	17.3	350	5075	1400	20300	4.53	115	0.45	FT3-12-05CF	19.7	5.29	5.11	5.11	4.91
100R2AT-06	10	3/8	-6	9.5	10.1	19.7	330	4785	1320	19140	5.12	130	0.54	FT3-12-06CF	22.1	6.78	6.42	6.42	6.13
100R2AT-08	12.5	1/2	-8	12.7	13.5	23	275	3990	1100	15950	7.09	180	0.68	FT3-12-08CF	24.6	9.21	8.86	8.86	8.4
100R2AT-10	16	5/8	-10	15.8	16.7	26.2	250	3625	1000	14500	7.87	200	0.8	FT3-12-10CF	28.2	12.09	11.59	11.59	10.99
100R2AT-12	19	3/4	-12	18.8	19.8	30.1	215	3120	860	12325	9.45	240	0.94	FT3-12-12CF	32.5	14.46	13.91	13.91	13.31
100R2AT-16	25	1	-16	25.4	26.4	38.9	165	2390	660	9425	11.81	300	1.35	FT3-12-16CF	40.3	18.89	18.29	18.29	17.68
100R2AT-20	31.5	1.1/4	-20	31.8	33	49.5	125	1810	500	7250	16.54	420	2.15	FT3-12-20CF	51.5	25.4	24.69	24.69	23.8
100R2AT-24	38	1.1/2	-24	38.1	39.3	55.9	90	1305	360	5220	19.69	500	2.65	FT3-12-24CF	59.7	31.4	30.6	30.6	29.8
100R2AT-32	51	2	-32	50.6	52	68.6	80	1160	320	4640	24.8	630	3.42	FT3-12-32CF	73.4	41.4	40.6	40.6	30.8