

# SAE 100R1AT, EN853, DIN20022 1 Wire Hydraulic Hose



## Application:

- Medium pressure hydraulic applications.

100R1AT-32 - DIN 20022 - EN853 - SAE 100R1AT - 2" - 51MM W.P. 40 BAR (B09) Ref. No. \_\_\_\_\_

\*colour coding has now been phased in

## Specification:

- SAE100 R1AT, DIN 20022, EN853 - 1SN

\*\*smooth cover available on requests

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

## Construction:

- Inner Tuber: Oil resistant synthetic rubber (SBR)
- Reinforcement: 1 single steel wire braid
- Outer cover: Oil & Weather resistant synthetic rubber

## Recommended Fluids:

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

Part Number	Size			i.d		Wire Dimension		OD 1SN	Working Pressure		Pulse Pressure		Burst Pressure		Bend Radius		Weight
	mm	inch	SAE	min	max	min	max	max	Mpa	psi	Mpa	psi	Mpa	psi	Inch	mm	Kg/mtr
100R1AT-04	6.3	1/4	-4	6.2	7.0	10.6	11.6	14.1	22.5	3260	45	6525	90	13050	3.94	100	0.25
100R1AT-05	8	5/16	-5	7.7	8.5	12.1	13.3	15.7	21.5	3120	43	6235	85	12325	4.53	115	0.31
100R1AT-06	10	3/8	-6	9.3	10.1	14.5	15.7	18.1	18	2610	36	5220	72	10440	5.12	130	0.36
100R1AT-08	12.5	1/2	-8	12.3	13.5	17.5	19.1	21.4	16	2320	32	4640	64	9280	7.09	180	0.45
100R1AT-10	16	5/8	-10	15.5	16.7	20.6	22.2	24.5	13	1885	26	3770	52	7540	7.87	200	0.52
100R1AT-12	19	3/4	-12	18.6	19.8	24.6	26.2	28.5	10.5	1520	21	3045	42	6090	9.45	240	0.65
100R1AT-16	25	1	-16	25.0	26.4	32.5	34.1	36.6	8.8	1280	17.5	2540	35	5075	11.81	300	0.91
100R1AT-20	31.5	1.1/4	-20	31.4	33.0	39.3	41.7	44.8	6.3	910	15	2175	25	3625	16.54	420	1.30
100R1AT-24	38	1.1/2	-24	37.7	39.3	45.6	48.0	52.1	5	725	10	1450	20	2900	19.69	500	1.70
100R1AT-32	51	2	-32	50.4	52.0	58.7	61.7	65.5	4	580	8	1160	16	2320	24.80	630	2.00