

Semsonex

Hydraulic Hoses

R2 AT/2SN

APPLICABLE STANDARDS

DIN EN853 2SN/SAE100 R2/ISO 1436



Marking on Hose

SEMSONEX "SUMO" SAE 100 R2AT / EN853 2SN - DN51 (2") - Max. WP 80 Bar / 1160 PSI - BP 320 Bar / 4640 PSI - GERMANY As per ISO 1436 / TS 6387

Hydraulic Rubber Hose SAE100 R2 Application Fields:

Used for Medium pressure hydraulic hoses from 50-415bar pressure. Used for various applications like Earth Moving machinery's, Hydraulic systems

INNER TUBE: Synthetic nitrile rubber resistant to Oil and Water







REINFORCEMENT: Double layer of steel wire braided

COVER: Synthetic rubber black color resistant to oil, water, weather and abrasion proof

SURFACE: Wrapped surface

TEMPERATURE RANGE: -40°C (-104°F) to +100°C (+212°F)

Table

HOSE TYPE	 Internal diameter			 External diameter	 Bend radius	 Working pressure		 Burst pressure		 Weight
	Size	Inch	DN	mm	mm	Bar	Psi	Bar	Psi	Kg/m
R2AT-04	04	1/4"	6	14.1	100	400	5800	1600	23200	0.36
R2AT-05	05	5/16"	8	15.7	115	350	5075	1400	20300	0.45
R2AT-06	06	3/8"	10	17.3	125	330	4785	1320	13140	0.54
R2AT-08	08	1/2"	12	19.7	180	275	3988	1100	15950	0.68
R2AT-10	10	5/8"	16	23.1	205	250	3625	1000	1450	0.80
R2AT-12	12	3/4"	19	26.3	240	215	3118	850	12325	0.94
R2AT-16	16	1"	25	30.2	300	165	2393	650	9425	1.35
R2AT-20	20	1-1/4"	31	38.9	420	125	1813	500	7250	2.15
R2AT-24	24	1-1/2"	38	49.6	500	90	1305	360	5220	2.65
R2AT-32	32	2"	50	68.6	630	80	1160	320	4640	3.42

Size: hose internal diameter according to SAE J517

Inch: hose internal diameter in inches

DN: nominal internal diameter according to manufacturing prescription (EN)

1 bar = 14,503 pound per square inch (PSI)

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