

# Semsonex

## Hydraulic Hoses

R1 AT/1SN

APPLICABLE STANDARDS

DIN EN853 1SN/SAE100 R1/ISO 1436



### Marking on Hose

**SEMSONEX "SUMO" SAE 100 R1AT /EN853 1SN- DN38 ( 1 1/2" ) - Max. WP 50 Bar / 720 PSI -BP 200 Bar / 2900 PSI.**

### Hydraulic Rubber Hose SAE100 R1 Application Fields:

Used for Medium pressure hydraulic hoses from 10-250bar pressure. Used for various applications like machinery hydraulic support, oilfield extraction machinery, mine/road/construction machinery.

**INNER TUBE:** Synthetic nitrile rubber resistant to Oil and Water

**REINFORCEMENT:** Single 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 SAE	Internal diameter			External diameter	Bend radius	Working pressure		Burst pressure		Weight
	Size	Inch	DN	mm	mm	Bar	Psi	Bar	Psi	Kg/m
<b>R1AT-03</b>	-3	3/16"	5	12,5	90	250	3600	1000	14500	0,20
<b>R1AT-04</b>	-4	1/4"	6	14,1	100	225	3250	900	13050	0,25
<b>R1AT-05</b>	-5	5/16"	8	15,7	115	215	3100	850	12300	0,31
<b>R1AT-06</b>	-6	3/8"	10	18,1	130	180	2600	720	10400	0,36
<b>R1AT-08</b>	-8	1/2"	12	21,5	180	160	2300	640	9250	0,45
<b>R1AT-10</b>	-10	5/8"	16	24,7	200	130	1850	520	7500	0,52
<b>R1AT-12</b>	-12	3/4"	19	28,6	240	105	1500	420	6050	0,65
<b>R1AT-16</b>	-16	1"	25	36,6	300	88	1250	350	5050	0,91
<b>R1AT-20</b>	-20	1-1/4"	31	44,8	420	63	900	250	3600	1,30
<b>R1AT-24</b>	-24	1-1/2"	38	52	500	50	700	200	2900	1,70
<b>R1AT-32</b>	-32	2"	51	65,9	630	40	550	160	2300	2,00

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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