

## TEKNO 1SN

EN 853 1SN, SAE 100 R1AT

Medium pressure hydraulic systems; return lines



**Alternative**  Evergreen  
**Versions:**  Forever

Code	Hose Size			Outside diameter		Max working pressure		Min burst pressure		Min bend radius		Weight	
	D.N.	mm	Inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/mt	lb/ft
TH1SN03	5	4.8	3/16"	11.5	0.45	250	3620	1000	14480	90	3.54	0.18	0.12
TH1SN04	6	6.4	1/4"	13.1	0.52	225	3260	900	13040	100	3.94	0.21	0.14
TH1SN05	8	7.9	5/16"	14.7	0.58	215	3110	860	12440	115	4.53	0.24	0.16
TH1SN06	10	9.5	3/8"	17	0.67	180	2610	720	10440	130	5.12	0.31	0.21
TH1SN08	12	12.8	1/2"	20.4	0.8	160	2320	640	9280	180	7.09	0.39	0.26
TH1SN10	16	16	5/8"	23.4	0.92	130	1880	520	7520	200	7.87	0.47	0.31
TH1SN12	19	19	3/4"	27.4	1.08	105	1520	420	6080	240	9.45	0.59	0.4
TH1SN16	25	25.4	1"	35.3	1.39	88	1270	352	5080	300	11.81	0.86	0.58
TH1SN20	31	31.8	1 1/4"	42.9	1.69	63	910	252	3620	420	16.54	1.16	0.78
TH1SN24	38	38.1	1 1/2"	50	1.97	50	720	200	2880	500	19.69	1.42	0.95
TH1SN32	51	50.8	2"	63.5	2.5	40	580	160	2320	630	24.8	1.97	1.32

To order the Evergreen version, add EV to the end of the code.

To order the Forever version, add FV to the end of the code.

Hose layline example

	<b>TEKNO 1SN 3/8"</b>	Flame Resistant	<b>MSHA IC-365/01</b>	EN 853 1SN SAE 100 R1AT	180 Bar 18 MPa	<b>2610 Psi</b>
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**OPERATING TEMPERATURE RANGE:**

-40°C/+100°C  
 (-40°F/+212°F)  
 with peaks of +125°C (257°F)

**TUBE:**

Oil resistant synthetic rubber

**REINFORCEMENT:**

1 high tensile steel braid

**COVER:**

**Standard cover:** Synthetic rubber (MSHA approved)  
**Evergreen EV:** High-abrasion, ozone-resistant synthetic rubber (MSHA approved)  
**Forever FV:** Polyethylene-coated synthetic rubber with extreme resistance to abrasion, ozone, and UV (MSHA approved)

**CERTIFICATIONS:**