

RTH1 STAINLESS STEEL BRAID TEFLON* HOSE



RECOMMENDED FOR:

High pressure hydraulic oil lines. Fluids at extremes of pressure and temperature. RYCO RTH1 Series Hose Lining is chemically pure, inert and contains no leachable additives. RYCO RTH1 is remarkably resistant to high temperature and flame. It has a very high melting point, thermal degradation threshold and auto-ignition temperature. Warning: RTH1 Hose Liner is non-conductive. Do not use with high velocity fluids and gases, as static electricity may be generated and cause premature failure of hose. If in doubt contact RYCO Hydraulics technical department.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: SAE 100R14. RTH112 meets ID and OD requirements of SAE 100R14. Other sizes have ID and OD different to SAE 100R14.

TUBE:

TEFLON® (PTFE).

REINFORCEMENT:

One braid of high tensile Grade 304 stainless steel wire.

TEMPERATURE RANGE:

From -60°C to +260°C (-76°F to +500°F).
(According to application).
For water, emulsions etc. see page 58.

WORKING TEMPERATURE		% OF WORKING PRESSURE THAT MAY BE USED SAFELY
°C	°F	Percentage
-60°C to +100°C	(-76°F to +212°F)	100
+101°C to +150°C	(+214°F to +302°F)	93
+151°C to +200°C	(+304°F to +392°F)	85
+201°C to +250°C	(+394°F to +482°F)	77
+251°C to +260°C	(+484°F to +500°F)	70

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

COUPLINGS:

ONE-PIECE CRIMP

TT000 Series (sizes -04 to -16) pages 317 to 320.
Assembly instructions page 480.

RTH1 - TEFLON* HOSE																	
PART NO	HOSE SIZE	NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MAXIMUM WORKING PRESSURE SAE 100R14		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES	
		mm	inch	mm	inch	bar	psi	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	ONE PIECE	
RTH14	6 -04	6,4	1/4	9,4	0,37	170	2450	105	1500	680	9800	75	3.0	0,12	0.08	TT000	
RTH16	10 -06	9,5	3/8	11,7	0,46	165	2375	105	1500	660	9500	125	5.0	0,14	0.09	TT000	
RTH18	12 -08	12,7	1/2	15,4	0,61	120	1750	56	800	485	7000	140	5.5	0,22	0.15	TT000	
RTH110	16 -10	15,9	5/8	18,4	0,72	105	1500	56	800	420	6000	165	6.5	0,28	0.19	TT000	
RTH112	19 -12	19,1	3/4	22,1	0,87	85	1250	56	800	345	5000	200	8.0	0,33	0.22	TT000	
RTH116	25 -16	25,4	1	28,6	1,13	55	800	56	800	220	3200	300	12.0	0,46	0.31	TT000	

* DuPont Registered TM
Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.