

RYCO®

TEFLON®

High Pressure Hydraulic Oil Hose



STRONGER CONNECTIONS.
SMARTER SOLUTIONS.

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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).

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).

WORKING PRESSURE:

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

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

TT000 Series (sizes -04 to -16).

Not suitable for use with field attachable couplings.

D2B - DRILLER HOSE															
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	
RTH14	6	-04	6.4	1/4	9.4	0.37	170	2450	680	9800	75	3.0	0.12	0.08	TT000
RTH16	10	-06	9.5	3/8	11.7	0.46	165	2375	660	9500	125	5.0	0.14	0.09	TT000
RTH18	12	-08	12.7	1/2	15.4	0.61	170	2450	680	9800	140	5.5	0.22	0.15	TT000
RTH110	16	-10	15.9	5/8	18.4	0.72	105	1520	420	6090	165	6.5	0.18	0.12	TT000
RTH112	19	-12	19.1	3/4	22.1	0.87	125	1820	345	5000	200	8.0	0.33	0.22	TT000
RTH116	25	-16	25.4	1	28.6	1.13	55	800	220	3200	300	12.0	0.46	0.31	TT000

Refer to the latest Ryco Digital Crimp Tools for crimping parameters.
*DuPont Registered TM

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