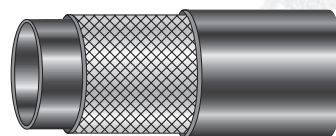


# PUSH-ON PL1

1 TEXTILE BRAID HOSE



Meets or exceeds the performance requirements of SAE 100R6, AS 3791 100R6, DIN 20021-1TE, ISO 4079 Type 1.

**Recommended For:**

Petroleum base hydraulic oils, glycol antifreeze solutions, water, diesel fuels, and air.

**Tube:**

Black, oil resistant synthetic rubber. (Nitrile).

**Reinforcement:**

One textile braid.

**Cover:**

Black, oil and abrasion resistant synthetic rubber.

**Temperature Range:**

From -40°C to +95°C (-40°F to +203°F).  
For water, water/oil emulsions, diesel fuels, glycol, and air etc. Refer to RYCO for further information.

**Working Pressure:**

PL1 Hose, and 800 Series Push-On Fittings, are recommended for use in systems with Static Working Pressures (constant loads without pressure spikes) only. They are not recommended for vibration or pressure surge applications. PL1 Hose should not be used at both maximum working pressure and maximum temperature simultaneously.

**Couplings:**

**BITELOK NON-SKIVE ONE-PIECE CRIMP**

T400 Series (Sizes -4 to -12)  
Assembly instruction are in accordance with RYCO Hydraulics Product Technical Manual.

**800 SERIES PUSH-ON**

PL1 Hose simply pushes on to 800 Series Couplings. For diesel fuel and other potentially dangerous, or critical applications crimp fittings are required.

**PL1 Hose Specifications**

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM STATIC WORKING PRESSURE		MINIMUM BURST PRESSURE		VACUUM RATING	
	DN	inch	Dash	bar	psi	bar	psi	mmHg	inHg
PL14	6	1/4	-04	28	410	112	1640	710	28
PL15	8	5/16	-05	28	410	112	1640	710	28
PL16	10	3/8	-06	28	410	112	1640	635	25
PL18	12	1/2	-08	28	410	112	1640	460	18
PL110	16	5/8	-10	24	350	96	1400	380	15
PL112	19	3/4	-12	21	305	84	1220	380	15

**PL1 Hose Dimensions**

**Matched Couplings**

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		PUSH-ON	BITELOK ONE-PIECE CRIMP
	mm	inch	kg/m	lb/ft	mm	inch		
PL14	65	2.5	0,12	0.08	12,3	0.48	800 SERIES	NON-SKIVE T400 SERIES
PL15	75	3.0	0,14	0.09	13,9	0.55	800 SERIES	T400 SERIES
PL16	75	3.0	0,17	0.11	15,5	0.61	800 SERIES	T400 SERIES
PL18	100	4.0	0,22	0.15	19,0	0.75	800 SERIES	T400 SERIES
PL110	125	5.0	0,29	0.19	22,6	0.89	800 SERIES	T400 SERIES
PL112	150	6.0	0,34	0.23	25,8	1.02	800 SERIES	T400 SERIES

Contact RYCO Hydraulics for Crimp Diameter and Mark Length for BITELOK Couplings.

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