

## TGW SERIES

### HIGH PRESSURE, POPPET TYPE, SCREW COUPLINGS

#### INTRODUCTION

Holmbury High Pressure Poppet Type Screwed Couplings are designed to withstand high pressures and pressure pulses. High pressure pulses create forces that act to separate the male and female couplings. With couplings that use ball-in-groove retaining mechanisms, the separating forces are concentrated onto a relatively small area - point contact of the balls - which can cause Brinelling (indentation of the balls into the groove). Brinelling will lead to leakage and eventually seizure of the coupling. Screwed couplings have a screw thread retaining mechanism that distributes the separating forces over a large surface area, thus eliminating brinelling.

#### FEATURES

- Screw thread retaining mechanism to eliminate brinelling
- Connection and disconnection can be performed even with a low residual hydraulic pressure in the line

#### APPLICATIONS

Mobile plant, agricultural implements and general industrial equipment.

#### MATERIALS

Zinc plated carbon steel body material with nitrile seals and PTFE backing ring.

#### STAINLESS STEEL

Holmbury High Pressure Poppet Type Screwed Couplings are available in stainless steel. Please contact the Holmbury Sales Dept to discuss the application.

#### TECHNICAL DETAILS

Working temperature range with nitrile seals is -20°C to +100°C

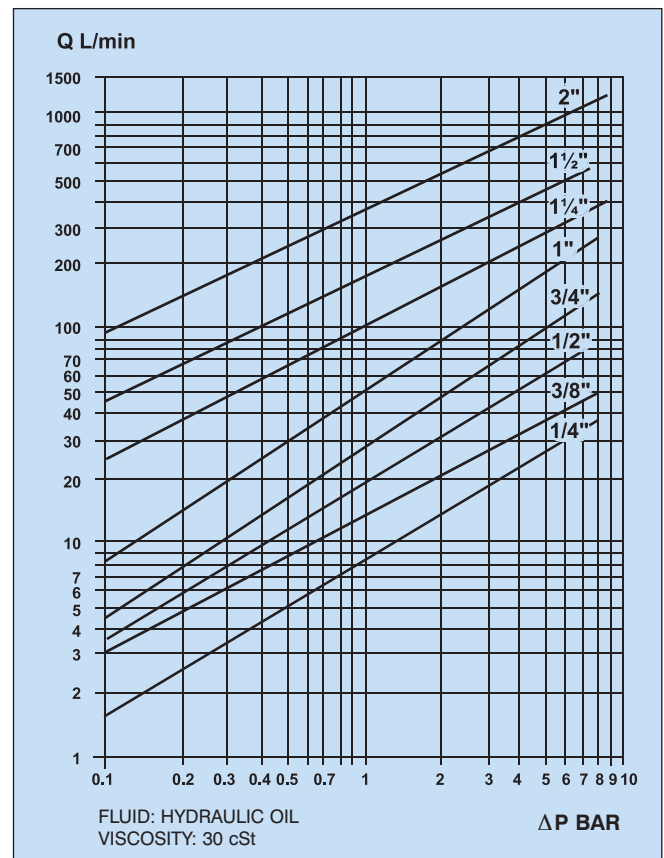
Couplings are also available with Viton seals for an operating temperature range of -15°C to +180°C.

#### MAXIMUM WORKING PRESSURE (BAR)

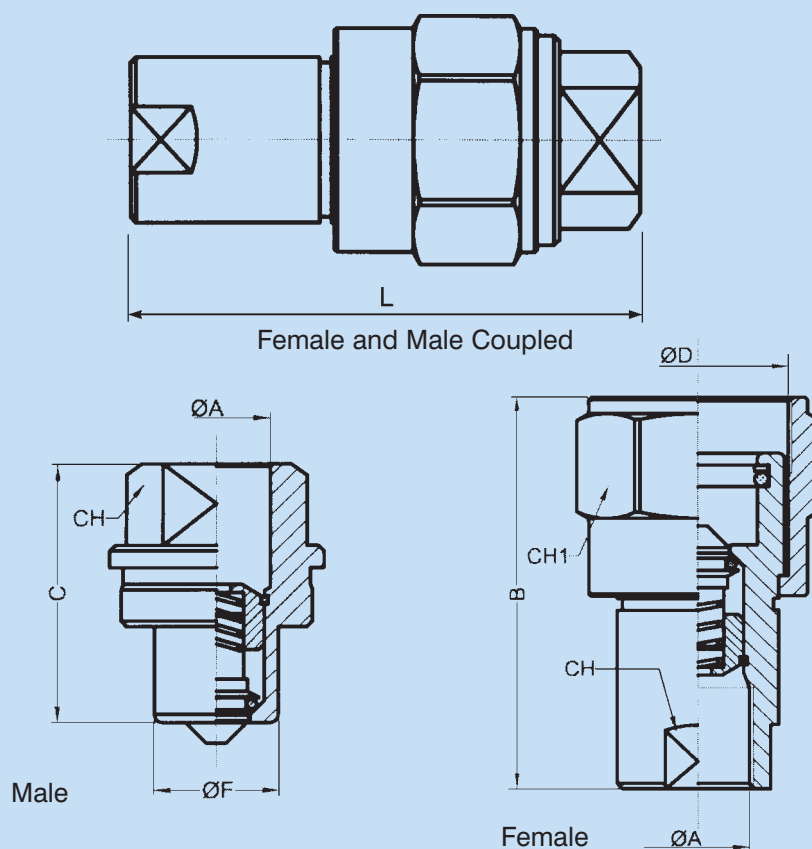
Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
<b>Male</b>	950	750	750	650	450	450	300	300
<b>Female</b>	950	750	750	650	450	450	300	300



#### PRESSURE DROP CHARACTERISTICS



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### Male

Part Number	ØA	C	CH	L	ØF
M TGW 14	1/4" BSP	34	19	68	14.9
M TGW 38	3/8" BSP	41	22	86	18.9
M TGW 12	1/2" BSP	47	27	94	22
M TGW 34	3/4" BSP	57	35	114	29
M TGW 100	1" BSP	64	41	128	36
M TGW 114	1.1/4" BSP	75	58	150	49.8
M TGW 112	1.1/2" BSP	81	61	162	55
M TGW 200	2" BSP	129	71	236	69

### Female

Part Number	ØA	ØD	B	CH	CH1	L
F TGW 14	1/4" BSP	27 X 150	57	19	32	68
F TGW 38	3/8" BSP	30 X 150	71.5	22	34	86
F TGW 12	1/2" BSP	35 X 150	74.5	27	41	94
F TGW 34	3/4" BSP	45 X 150	90.5	35	50	114
F TGW 100	1" BSP	54 X 150	103.5	41	65	128
F TGW 114	1.1/4" BSP	70 X 200	130.5	58	80	150
F TGW 112	1.1/2" BSP	78 X 200	141	61	85	162
F TGW 200	2" BSP	92 X 300	205	71	105	236

#### ORDER CODES

	*	TGW	**	***
M = male				
F = female				
Type & Size				
Thread - BSP or NPT				

**DUST CAPS  
SEE PAGE 53**

