GGIL SERIES

In-line rotary couplings

INTRODUCTION

Holmbury's GGIL Series in-line rotary couplings are designed for in-line use on hydraulic circuits. Using a rotary coupling in the hydraulic line stops the hose twisting, limiting stress and increasing hose lifespan.

CONSTRUCTION

- Carbon steel with trivalent plating
- Fitted with Nitrile seals
- Also available in AISI 316 stainless steel (See SRIL Series)

FEATURES

- Reduces torsional forces
- Can also be used in applications that are required to rotate but not under pressure, such as hose reels
- Spindle is carried on a roller bearing and has a low friction shaft seal that can rotate at maximum pressure with low torque

SPECIFICATIONS

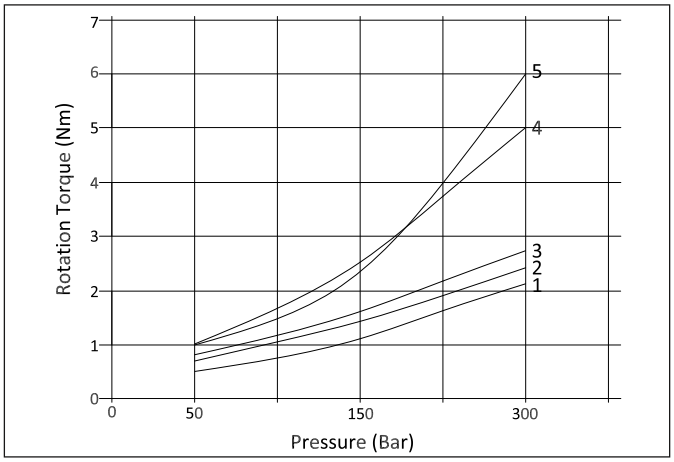
- Operating temperatures (with Nitrile seals): -40°C (-40°F) to 106°C (223°F)

APPLICATIONS

- Designed for usage in general hydraulic systems, machine tools, test equipment, agricultural, and mobile hydraulics



ROTATIONAL TORQUE



ORDER CODES

GGIL - 19 - 12 G M - 12 G

Series
GG90

Body Size
06 - ¼″ 25 - 1″
10 - ⅜″ 32 - 1¼″
12 - ½″ 40 - 1½″
19 - ¾″ 50 - 2″

Thread Size (P1)
04 - ¼″ 16 - 1″
06 - ⅜″ 20 - 1¼″
08 - ½″ 24 - 1½″
12 - ¾″ 32 - 2″

Thread Type
G = BSPP
N = NPT

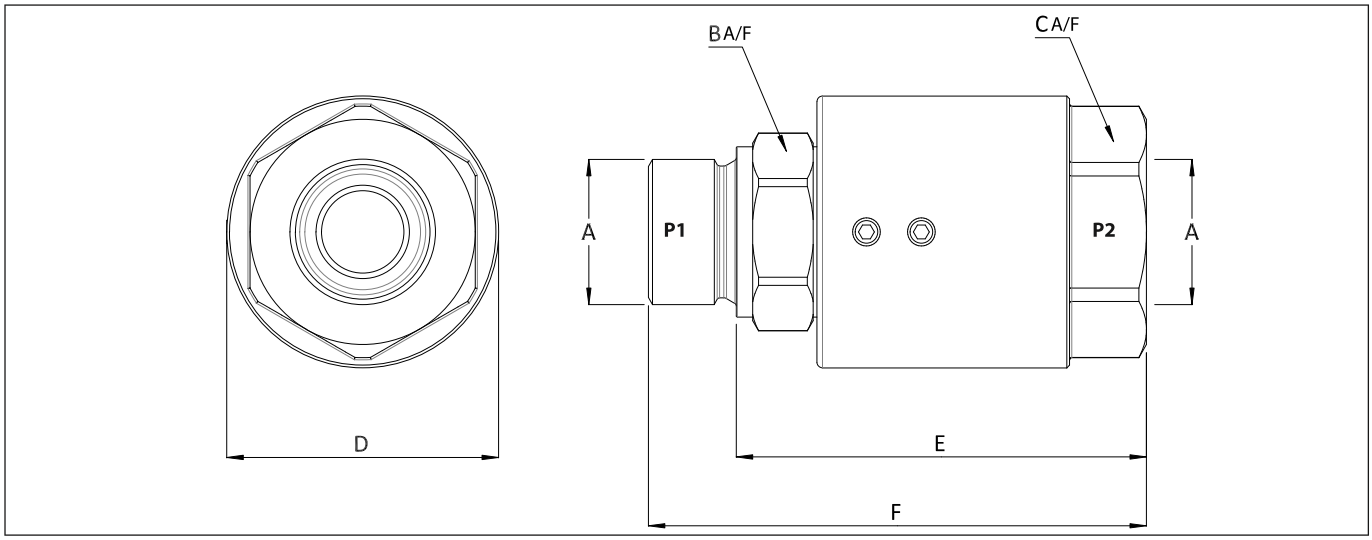
Thread Type (Male Only)

Thread Size (P2)
04 - ¼″ 16 - 1″
06 - ⅜″ 20 - 1¼″
08 - ½″ 24 - 1½″
12 - ¾″ 32 - 2″

Thread Type (Female Only)
G = BSPP
N = NPT

Contact Holmbury for special requests on thread types/sizes not listed

DRAWING



DIMENSIONS

Size	Thread Size (A)	B	C	ØD	E	F	Maximum Working Pressure	Maximum Flow Rate	Maximum Rotational Speed*
		Dimensions in mm					Bar	L/Min	RPM
		Dimensions in Inches					Psi		
GGIL-06	1/4″	19	30	34	52	63	400	25	500
		0.7	1.2	1.3	2.0	2.5	5800		
GGIL-10	3/8″	24	32	37.6	54.8	66.5	400	45	400
		0.9	1.3	1.5	2.2	2.6	5800		
GGIL -12	1/2″	27	32	39.5	56.6	70.8	360	80	370
		1.1	1.3	1.6	2.2	2.8	5220		
GGIL -19	3/4″	32	41	49.5	74.8	90.8	310	120	280
		1.3	1.6	1.9	2.9	3.6	4495		
GGIL-25	1″	41	46	54.5	80.8	100.2	280	150	230
		1.6	1.8	2.1	3.2	3.9	4060		
GGIL-32	1 1/4″	50	54.7	59.7	78.5	98.2	250	200	200
		2.0	2.2	2.4	3.1	3.9	3625		
GGIL-40	1 1/2″	55	65	70	85	107	210	250	170
		2.2	2.6	2.8	3.3	4.2	3045		
GGIL-50	2″	70	75	79.5	92	117	180	300	140
		2.8	3.0	3.1	3.6	4.6	2610		

*Note: The maximum rotational speed quoted is for zero pressure and hydraulic oils

PSI= Bar x14.5 Inches= mm/25.4