



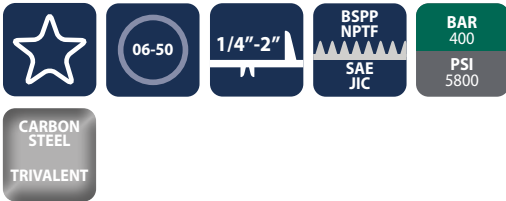
# In-line rotary couplings

## CRIL Series



### INTRODUCTION

Holmbury's CRIL 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 NBR seals
- Also available in AISI 316 stainless steel (See SSIL Series, swivel joint)

### 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 allowing rotation at maximum pressure with low torque

### ACCESSORIES

- Not applicable

### SPECIFICATIONS

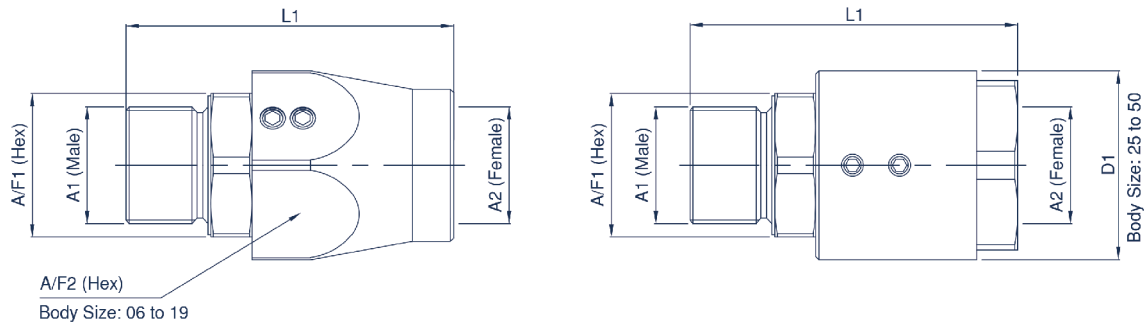
- Operating temperatures (with NBR seals): -40°C (-40°F) to 106°C (223°F)

### APPLICATIONS

- General hydraulic systems
- Machine tools
- Test equipment
- Agricultural
- Mobile hydraulics

### CRIL PERFORMANCE CHARACTERISTICS

Body Size	CRIL06	CRIL10	CRIL12	CRIL19	CRIL25	CRIL32	CRIL40	CRIL50
	Pressure in bar - Flow in LPM							
	Pressure in PSI - Flow in GPM							
Maximum working pressure	400	400	360	310	280	250	210	180
	5800	5800	5220	4495	4060	3625	3045	2610
Maximum flow rate	25	45	80	120	150	200	250	300
	6.6	11.9	21.1	31.7	39.6	52.8	66.0	79.3
Maximum rotational speed (RPM)	500	400	370	280	230	200	170	140



## CRIL SERIES

Body Size	Part Number	A/F1		A1 x A2 Thread	L1		A/F2 or D1	
		mm	inch		mm	inch	mm	inch
<b>06 (1/4)</b>	CRIL-06-04GM-04G	19.0	0.75	1/4 BSPP x BSPP	66.0	2.60	30.0	1.18
	CRIL-06-04JM-04S	19.0	0.75	7/16-20 JIC x SAE ORB	65.0	2.56	30.0	1.18
	CRIL-06-04NM-04N	19.0	0.75	1/4 NPTF x NPTF	66.0	2.60	30.0	1.18
<b>10 (3/8)</b>	CRIL-10-06GM-06G	24.0	0.94	3/8 BSPP x BSPP	69.0	2.72	34.0	1.34
	CRIL-10-06JM-06S	24.0	0.94	9/16-18 JIC x SAE ORB	66.0	2.60	34.0	1.34
	CRIL-10-06NM-06N	24.0	0.94	3/8 NPTF x NPTF	69.0	2.72	34.0	1.34
<b>12 (1/2)</b>	CRIL-12-08GM-08G	27.0	1.06	1/2 BSPP x BSPP	76.0	2.99	36.0	1.42
	CRIL-12-08JM-08S	27.0	1.06	3/4-16 JIC x SAE ORB	74.0	2.91	36.0	1.42
	CRIL-12-10JM-10S	27.0	1.06	7/8-14 JIC x SAE ORB	76.0	2.99	36.0	1.42
	CRIL-12-08NM-08N	27.0	1.06	1/2 NPTF x NPTF	76.0	2.99	36.0	1.42
<b>19 (3/4)</b>	CRIL-19-12GM-12G	34.0	1.34	3/4 BSPP x BSPP	78.5	3.09	46.0	1.81
	CRIL-19-12JM-12S	34.0	1.34	1 1/16-12 JIC x SAE ORB	81.0	3.19	46.0	1.81
	CRIL-19-12NM-12N	34.0	1.34	3/4 NPTF x NPTF	78.5	3.09	46.0	1.81
<b>25 (1)</b>	CRIL-25-16GM-16G	41.0	1.61	1 BSPP x BSPP	92.5	3.64	59.0	2.32
	CRIL-25-16JM-16S	41.0	1.61	1 5/16-12 JIC x SAE ORB	90.0	3.54	59.0	2.32
	CRIL-25-16NM-16N	41.0	1.61	1 NPTF x NPTF	92.5	3.64	59.0	2.32
<b>32 (1 1/4)</b>	CRIL-32-20GM-20G	50.0	1.97	1 1/4 BSPP x BSPP	98.0	3.86	59.0	2.32
	CRIL-32-20JM-20S	50.0	1.97	1 5/8-12 JIC x SAE ORB	98.3	3.87	59.0	2.32
	CRIL-32-20NM-20N	50.0	1.97	1 1/4 NPTF x NPTF	98.0	3.86	59.0	2.32
<b>40 (1 1/2)</b>	CRIL-40-24GM-24G	55.0	2.17	1 1/2 BSPP x BSPP	107.0	4.21	69.0	2.72
	CRIL-40-24JM-24S	55.0	2.17	1 7/8-12 JIC x SAE ORB	126.6	4.98	69.0	2.72
	CRIL-40-24NM-24N	55.0	2.17	1 1/2 NPTF x NPTF	107.0	4.21	69.0	2.72
<b>50 (2)</b>	CRIL-50-32GM-32G	70.0	2.76	2 BSPP x BSPP	118.0	4.65	84.0	3.31
	CRIL-50-32JM-32S	70.0	2.76	2 1/2-12 JIC x SAE ORB	175.6	6.91	84.0	3.31
	CRIL-50-32NM-32N	70.0	2.76	2 NPTF x NPTF	118.0	4.65	84.0	3.31

For all other configurations or thread types please contact the sales office.