



# Stainless steel 90° swivel joint couplings

## SS90 Series



### INTRODUCTION

Holmbury's SS90 Series stainless steel 90° swivel joint couplings are designed for use on hydraulic lines that may be subject to torsional stress caused by rotation of hose.



### CONSTRUCTION

- AISI 316 stainless steel
- Fitted with Viton seals
- Also available in carbon steel as rotary coupling (See CR90 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

### ACCESSORIES

- Not applicable

### SPECIFICATIONS

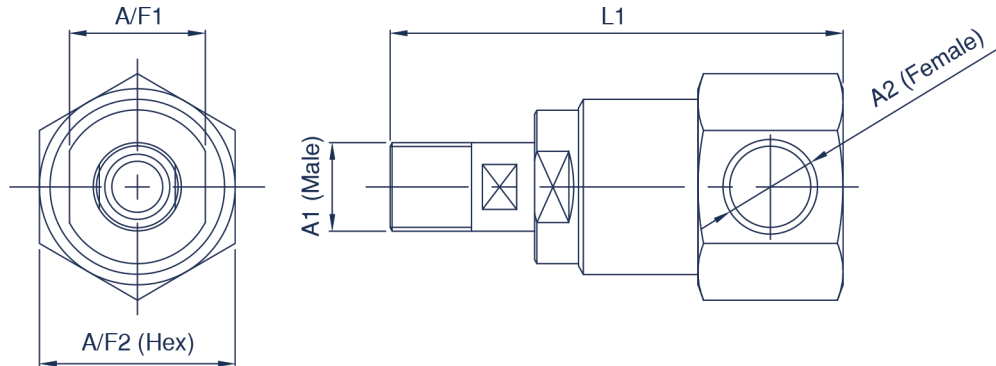
- Operating temperatures (With Viton seals): -20°C (-4°F) to 200°C (392°F)

### APPLICATIONS

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

### SS90 PERFORMANCE CHARACTERISTICS

Body Size	SS90-06	SS90-10	SS90-12	SS90-19	SS90-25	SS90-32	SS90-40	SS90-50
	Pressure in bar - Flow in LPM							
	Pressure in PSI - Flow in GPM							
Maximum working pressure	350	300	300	250	250	180	150	150
	5075	4350	4350	3625	3625	2610	2175	2175
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)	10	10	10	10	10	10	10	10



## SS90 SERIES

Body Size	Part Number	A/F1		A1 x A2 Thread	L1		A/F2	
		mm	inch		mm	inch	mm	inch
06 (1/4)	SS90-06-04GM-04G	21.0	0.83	1/4 BSPP x BSPP	78.0	3.07	32.0	1.26
	SS90-06-04NM-04N	21.0	0.83	1/4 NPTF x NPTF	78.0	3.07	32.0	1.26
10 (3/8)	SS90-10-06GM-06G	27.0	1.06	3/8 BSPP x BSPP	98.0	3.86	36.0	1.42
	SS90-10-06NM-06N	27.0	1.06	3/8 NPTF x NPTF	98.0	3.86	36.0	1.42
12 (1/2)	SS90-12-08GM-08G	32.0	1.26	1/2 BSPP x BSPP	106.0	4.17	46.0	1.81
	SS90-12-08NM-08N	32.0	1.26	1/2 NPTF x NPTF	106.0	4.17	46.0	1.81
19 (3/4)	SS90-19-12GM-12G	37.0	1.46	3/4 BSPP x BSPP	118.0	4.65	50.0	1.97
	SS90-19-12NM-12N	37.0	1.46	3/4 NPTF x NPTF	118.0	4.65	50.0	1.97
25 (1)	SS90-25-16GM-16G	46.0	1.81	1 BSPP x BSPP	142.0	5.59	60.0	2.36
	SS90-25-16NM-16N	46.0	1.81	1 NPTF x NPTF	142.0	5.59	60.0	2.36
32 (1 1/4)	SS90-32-20GM-20G	55.0	2.17	1 1/4 BSPP x BSPP	155.0	6.10	60.0	2.36
	SS90-32-20NM-20N	55.0	2.17	1 1/4 NPTF x NPTF	155.0	6.10	60.0	2.36
40 (1 1/2)	SS90-40-24GM-24G	70.0	2.76	1 1/2 BSPP x BSPP	170.0	6.69	75.0	2.95
	SS90-40-24NM-24N	70.0	2.76	1 1/2 NPTF x NPTF	170.0	6.69	75.0	2.95
50 (2)	SS90-50-32GM-32G	80.0	3.15	2 BSPP x BSPP	190.0	7.48	90.0	3.54
	SS90-50-32NM-32N	80.0	3.15	2 NPTF x NPTF	190.0	7.48	90.0	3.54

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