

SJF101 Stainless Steel Flanged Swivel Joint

Liquip offers a range of straight swivel joints for the fabrication of loading arms and pipe work requiring up to 360° rotation.

OPERATION

Our swivel incorporates the well-known high load, low wear Liquip principle of ball with needle bearing combination, used in Liquip's extensive range of loading arms like the LBM800 loading arm. Sealing is enhanced by the purpose designed, Viton/Teflon primary face seal, and two Viton o-rings which isolate the bearing pack from product leaks. If the primary seal did leak it would be contained by the o-ring, before the product could wash the grease from the bearings causing them to fail in operation. The leak is also immediately visible from a tell-tale hole, supplied with screw fitted. The greasing system also includes the Liquip trade-mark of a pressure relief outlet to ensure correct lubrication, by ejecting old grease and particles that can cause wear (non standard option).



Key Features

- Cost-effective way of achieving a rotating joint, for loading arms or machinery requiring swivelling joints.
- Incorporates the well-known high load, low wear Liquip principle of ball with needle bearing combination.
- Purpose designed primary face seal.

Ordering Information

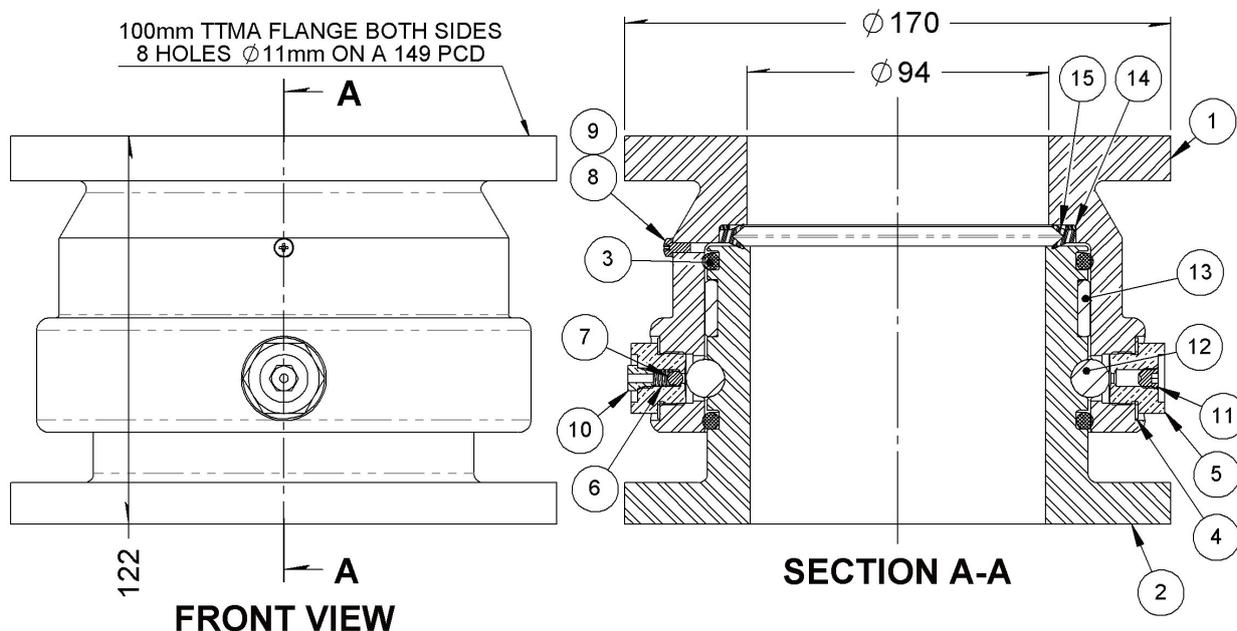
- SJF101L** Stainless Steel Flanged Swivel Joint – 100mm TTMA Flanges, Viton Main Seal
SJF101T Stainless Steel Flanged Swivel Joint – 100mm TTMA Flanges, Teflon Main Seal

Specifications

Adjustment or Service	Regrease at maximum six-month intervals dependent on service conditions.
Materials of Constructions	Bodies – Stainless steel 316L. For other component materials, refer to drawing X1101006 overleaf.
Mounting	Using M10 bolts or studs. For high load applications high tensile bolts or studs must be used. If the unit is mounted vertically, the female component must be fitted on top to prevent water and dust ingress.
Weight	9 kg
Variants	<ul style="list-style-type: none"> • Seals The standard item product seal material is Viton B70. These swivels can also be ordered with a Teflon composite product seal for specific applications requiring high chemical resistance. Refer to drawing X1101006 overleaf for part numbers. • Grease Various greases can be supplied in these units, depending on the application: <ul style="list-style-type: none"> • Liquip part No 7815 – Molykote 3452. This grease is supplied as standard due to Aviation requirements. This grease also has a high chemical compatibility. • Liquip part No 5456 – Molykote BR2. This is a general purpose bearing grease, used for applications such as Petrol and Diesel fuels. • Liquip part No 2128 – Rocol MX22. For food grade applications. <p>Note: For chemical applications, the particular chemical must be checked for compatibility with both the product seal material and grease used</p>
Technical Data	Working pressure –900 kPa. Test pressure – 1500 kPa

LIQUIP

SJF101L FLANGED SWIVEL



ITEM NO.	PART NUMBER	DESCRIPTION	SJF101L	SJF101T	MATERIAL
1	SJF101L-1	SWIVEL FEMALE 100mm	1	1	ST STEEL
2	SJF101L-2	SWIVEL MALE 100mm	1	1	ST STEEL
3	0126	O-RING	2	2	VITON B70
4	0885	WASHER FIBRE	2	2	FIBRE
5	SJW100-3	BALL RETAINER PLUG	2	2	BRASS
6	4480	SPRING COMPRESSION	1	1	ST STEEL
7	7822	BALL BEARING 3/16"	1	1	ST STEEL
8	4926	SCREW METRIC	1	1	STEEL
9	5263	WASHER FIBRE MET	1	1	FIBRE
10	6688	SCREW RETAINING	1	1	BRASS
11	6696	GRUBSCREW CUP POINT	1	1	ST STEEL
12	2334	BALL BEARING	30	30	BEARING STEEL
13	4531	NEEDLE ROLLER	90	90	BEARING STEEL
14	7576	WEAR RING TO SUIT 7575 SEAL	1	-	TEFLON
15	7575	LIP SEAL	1	-	VITON B70
	7574	SEAL SPRING LOADED	-	1	TEFLON
16	7815	GREASE MOLYKOTE (AVIATION)	1	1	GREASE

X1101006

Issue: D

**NOTE: FOR TEFLON SEALED APPLICATIONS REPLACE 7575 & 7576 WITH 7574
FOR GFLT AND EPDM VARIANTS RETAIN 7576 & USE 7575VG OR 7575EPDM RESPECTIVELY**

METERS - VALVES - VENTS - MANHOLES - PUMPS - HOSEREELS - OVERFILL PROTECTION - LOADING ARMS - ELECTRONIC DIPSTICKS



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