

# GATES INDUSTRIAL FLUID POWER

## ADAPTOR CATALOGUE

CATALOG NO. 50155  
EDITION 2024  
SUPERSEDES 50155 (2012)



DRIVEN BY POSSIBILITY™



OUR VISION

**“CONTINUALLY PUSH  
THE BOUNDARIES OF  
MATERIALS SCIENCE TO  
ADVANCE THE WAY THE  
WORLD MOVES.”**



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# THE MISSING LINK IN THE HYDRAULIC CIRCUIT

WITH THE ADDITION OF THE BSP, JIC & ORFS ADAPTOR RANGE, GATES HAS TAKEN ITS INTEGRATED APPROACH TO THE NEXT LEVEL WHERE HOSES, COUPLINGS, TUBE FITTINGS AND ADAPTORS ARE DESIGNED TOGETHER FOR OPTIMAL PERFORMANCE.

## YOUR TOTAL FLUID POWER SOLUTION

The Gates Integrated System Approach offers you complete solutions to your fluid power needs. All our hydraulic products are manufactured to stern tolerances and are specifically designed, tested and validated together. This is why our entire hydraulic product line works together perfectly, ensuring you a leak-free operation. And this is why Gates is the reference in the market





# THE GATES ADAPTOR PROGRAMME SUPPORTING TRUSTWORTHY SOLUTIONS FROM PORT TO PORT

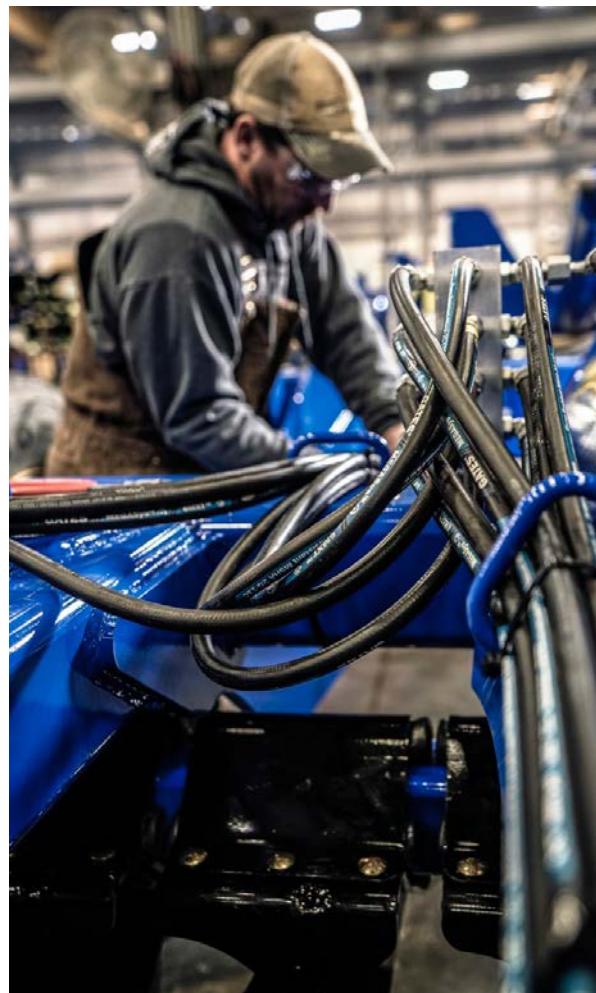
WITH GATES NEW HYDRAULIC ADAPTOR RANGE,  
WE NOW HAVE EVERYTHING IN PLACE TO BE YOUR  
PREFERRED ONE-STOP-SHOP.

## TRUSTWORTHY SOLUTIONS FROM PORT TO PORT

Gates BSP, JIC & ORFS adaptors complete the hydraulic circuit and from now on, you can rely on trusted Gates quality products to do that job! This versatile and competitively priced product range covers most of the European needs. The program provides you with a well-balanced stock mix that limits your distribution investment but ensures that you always have the right part at hand for an optimal response time to any breakdown which helps you to maximise profit. The adaptors are available in a wide array of sizes and configurations:

- Jump size adaptors – to reduce or expand the existing thread
- Thread conversion adaptors – to change from one port thread to another to allow tube fitting or hose connections to be made
- Hose end adaptors – hose to port, hose to hose, etc.

Ready for the future and the next generation of hydraulic connections. Check out the Gates Quick-Lock™ adaptors - available in the most common international termination types - allowing you to easily change from threaded connections to Quick-Lock High couplings (See page 83).



# PROTECT YOUR INVESTMENT

**GATES ADAPTORS OFFER YOU THE LONGEVITY YOUR APPLICATION NEEDS: 500H PROTECTION AGAINST RED RUST PER ISO 9227 STANDARD.**

Especially in environments with high presence of chemicals, fertilizers, rain, mud, high humidity, salts, air pollution, ... this process is easily accelerated. Most metals are easily oxidized, leading to less robustness of metal componentry of which off-highway vehicles have plenty. Once corrosion starts, it can easily and quickly spread from one component in the hydraulic circuit to another, e.g., from the adaptor to the port or from the adaptor to the hose coupling.

Next to the environmental and direct cost impact of corrosion, meaning replacing the corroded component, there are several indirect costs involved as well. One of the main indirect costs is machine downtime either during preventive maintenance or machine breakdown. The longer it takes, the higher the downtime cost and the higher the chance a project will have to deal with delays and reputational damage. More concerning, however, is the fact that corrosion can lead to safety concerns with loss of life as a worst-case scenario.

Hence, Gates has implemented an adaptor plating standard guaranteeing a minimum protection of 168 hours against white rust corrosion and 500 hours against red rust under ISO 9227 test conditions, which is nearly 350% greater than the SAE J516 144-hour standard (ISO 8434 requests 72 hours as a minimum). Above standard plating surfaces equal less downtime, less safety risks and increased product sustainability.

## DID YOU KNOW?

The annual worldwide cost of metallic corrosion is estimated to be over a trillion euro, yet with proper corrosion protection a significant percentage of it can be prevented.



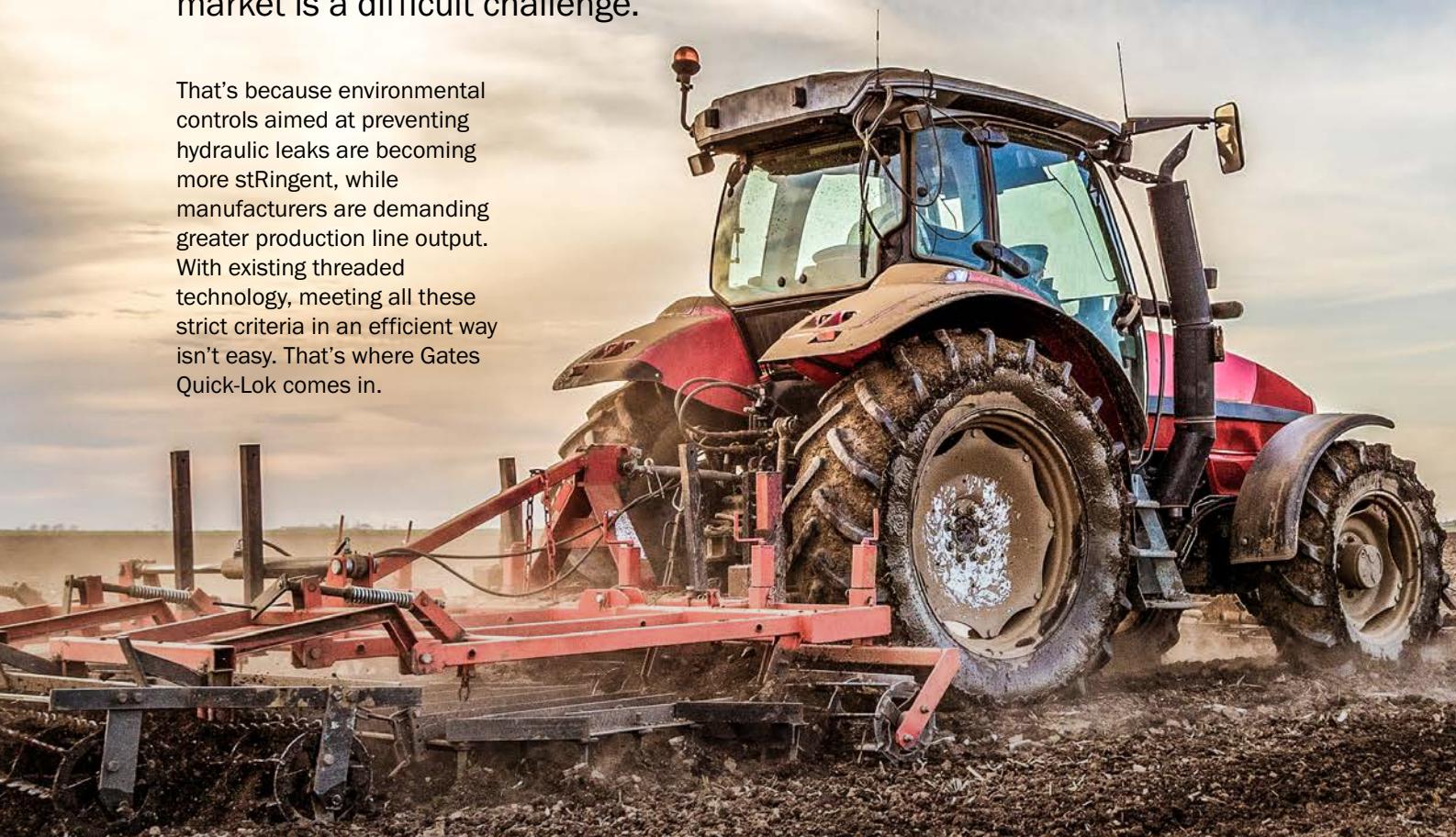
**500 HOURS  
AGAINST RED RUST**



# **STAY CONNECTED WITH GATES QUICK-LOK**

With machines becoming more compact and power intensive, designing and manufacturing hydraulic platforms for a worldwide market is a difficult challenge.

That's because environmental controls aimed at preventing hydraulic leaks are becoming more stringent, while manufacturers are demanding greater production line output. With existing threaded technology, meeting all these strict criteria in an efficient way isn't easy. That's where Gates Quick-Lok comes in.



**SAVE TIME, LOWER COSTS  
AND REDUCE THE AMOUNT  
OF RE-WORK AND NUMBER  
OF WARRANTY CLAIMS.**



# ERGONOMIC ADVANTAGE AND INCREASED EFFICIENCY

Quick-Lok couplings are threadless. With threading eliminated, torque settings are not required and both line side connection tooling and installation difficulties are no longer an issue. The easy installation process allows you to use Quick-Lok even in the most confined spaces often found in today's compact machines.

You also benefit from the cost-saving advantages that Quick-Lok delivers; for example, there is no need to invest in a vast range of expensive assembly tools or a skilled assembly labour force.

Plus, any kind of operator-dependent variation in the connection process (which would add re-working time and cost) is completely ruled out. And Quick-Lok couplings are safer and more ergonomic as well.

They simply push into place, reducing tiredness among the work force.

## WORK SMARTER, NOT HARDER

- **Faster:** Quicker assembly times lead to improved manufacturing productivity
- **Easier:** With Quick-Lok, couplings click into place to ensure positive engagement every time
- **Smarter:** The connection process is error-proof, providing positive tactile feedback that the connection has been made
- **Simpler:** Verification is simple, and just requires the operator to pull back gently on the hose after connection.

With your assembly and check-up time reduced, your production output is optimised, simply by using the most cost-effective product. In addition, no assembly time is lost because of the need to re-work improperly torqued connections – all of which is good news for your business.

---

**FIELD TESTS HAVE SHOWN THAT QUICK-LOK CONNECTIONS WERE MADE 10X FASTER THAN STANDARD THREADED CONNECTIONS.**



# A PROVEN TRACK RECORD

We manufacture connections to ensure the highest integrity in port-to-port solutions. How? Quick-Lok connectors are produced from hardened steel and machined to extremely high tolerances. They have undergone rigorous testing under actual and simulated field conditions to confirm their strength and sealing ability. The Quick-Lok coupling family is proven to stand up to impulse loads, side loads, flex conditions, vibration, temperature extremes and vacuum conditions.

## TESTED, PROTECTED, SELECTED

- Quick-Lok has been tested to ensure that the push-in force is high enough to provide positive feedback that a connection has been made, but low enough to allow easy assembly on the line
- In terms of corrosion resistance properties, all Quick-Lok couplings and adaptors are protected with our chromium 6 free TuffCoat™ plating, showing a red corrosion resistance of at least 400 hours
- That's why Quick-Lok couplings have been embraced by Original Equipment Manufacturers (OEM) around the world



## LOWERING TOTAL COST OF OWNERSHIP

Threadless connectors have developed a reputation as expensive niche products for limited applications.

Gates have changed this with the introduction of Quick-Lok assemblies, which are able to replace threaded couplings in a wide range of applications. Our research has shown that by reducing installation and warranty costs, a Quick-Lok assembly solution can dramatically lower total OEM cost of ownership over a comparable threaded assembly.



INTRODUCTION

BSP ADAPTORS

JIC ADAPTORS

ORFS ADAPTORS

PRESSURE WASH  
ADAPTORSQUICK-LOK  
ADAPTORS

# **GATES ONE-STOP-SHOP FOR:**

- HYDRAULIC HOSES
- HOSE COUPLINGS
- HOSE ASSEMBLIES
- GUARDS AND SLEEVING
- ADAPTORS
- TUBE FITTING SYSTEMS
- SELF-ASSEMBLY MACHINERY
- OILFIELD PRODUCTS
- INDUSTRIAL HOSES
- ENGINEERING & SERVICES
- DIAGNOSTIC TOOLS



**FIND ALL AVAILABLE CATALOGUES ON GATES.COM**





# HOW TO ORDER



**10 M J - 8 M BSPP ACOR - 10 M J**

**Thread Size**

in 1/16 inches  
JIC = 10 = 7/8"-14 UNF  
BSP = 10 = G 5/8"-14  
ORFS = 10 = 1"-14 UNS

**Thread Size**

in 1/16 inches  
BSP = 08 = G 1/2"-14  
JIC = 08 = 3/4"-16 UNF  
ORFS = 08 = 1 3/16"-16 UN

**Thread type**

BSPT = BSP Taper  
BSPP = BSP Parallel  
FF = Flat Face  
J = JIC  
B = SAE O-Ring Boss  
JIS = JIS  
M = Metric  
P = NPT

**Male / Female**

M = Male  
F = Female

**Port & sealing**

X = Swivel  
OR = O-Ring\*  
COR = O-Ring\* & Retaining Ring  
A = Adjustable  
WD = Captive Seal

**Bend Degree**

45 = 45°  
90 = 90°  
SWT = Swept elbow  
BL = Compact elbow  
BKHD = bulkhead  
-W/N = wire-on-nut

**8 M BSPP - 8 F BSPP X 90BL**





## GATES PART NUMBER ABBREVIATIONS

DASH SIZE	BSP	JIC	SAE	NPT	ORFS
2	1/8 - 28			Z 1/8 - 27	
4	1/4 - 19	7/16 - 20	7/16 - 20 UNF	Z 1/4 - 18	9/16 - 18
5		1/2 - 20	1/2 - 20 UNF		
6	3/8 - 19	9/16 - 18	9/16 - 18 UNF	Z 9/8 - 18	11/16 - 16
8	1/2 - 14	3/4 - 16	3/4 - 16 UNF	Z 1/2 - 14	13/16 - 16
10	5/8 - 14	7/8 - 14	7/8 - 14 UNF		1 - 14
12	3/4 - 14	1.1/16 - 12	1.1/16 - 12 UN	Z 3/4 - 14	1.3/16 - 12
14		1.3/16 - 12	1.3/16 - 12 UN		
16	1 - 11	1.5/16 - 12	1.5/16 - 12 UN	Z 1 - 11.5	1.7/16 - 12
20	1.1/4 - 11	1.5/8 - 12	1.5/8 - 12 UN	Z 1.1/4 - 11.5	1.11/16 - 12
24	1.1/2 - 11	1.7/8 - 12	1.7/8 - 12 UN	Z 1.1/2 - 11.5	2 - 12
32	2 - 11		2.1/2 - 12 UN	Z 2 - 11.5	



## EXPLANATION OF ORDERING EXAMPLES

### ORDERING EXAMPLE 1:

**6MJ-8MBSPPACOR90**

6	= $\frac{3}{16}$ - 18 UNF
MJ	= MALE JIC
8	= $\frac{1}{2}$ - 14
MBSPP	= Male BSP Parallel
A	= Adjustable
COR	= O-Ring & Retaining Ring
90	= 90 Degree Elbow



### ORDERING EXAMPLE 2:

**4MBSPP-4FBSPPX-4MBSPP**

4	= $\frac{1}{4}$ - 19
MBSPP	= Male BSP Parallel
4	= $\frac{1}{4}$ - 19
FBSPPX	= Female BSP Swivel
4	= $\frac{1}{4}$ - 19
MBSPP	= Male BSP Parallel*



\*(Final part of tee is on branch)

### ORDERING EXAMPLE 3:

**16FFORX-12MBSPPWD**

16	= $1\frac{7}{16}$ "-12
FFORX	= Female ORFS Swivel
12	= $\frac{3}{4}$ "-14
MBSPP	= Male BSP Parallel
WD	= Captive Seal







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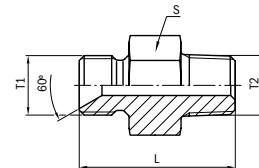
# BSP ADAPTORS





## BSP MBSPP-MBSPT

BSPP 60° male / male BSP taper

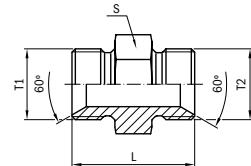


THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
BSPP	BSPT	mm	mm	bar	BSP
1/8"-28	1/8"-28	24.0	12.0	345	2MBSPP-2MBSPT
1/8"-28	1/4"-19	30.5	14.0	345	2MBSPP-4MBSPT
1/4"-19	1/8"-28	29.0	14.0	345	4MBSPP-2MBSPT
1/4"-19	1/4"-19	33.0	14.0	345	4MBSPP-4MBSPT
1/4"-19	3/8"-19	33.0	17.0	345	4MBSPP-6MBSPT
1/4"-19	1/2"-14	39.0	22.0	345	4MBSPP-8MBSPT
3/8"-19	1/4"-19	35.0	17.0	345	6MBSPP-4MBSPT
3/8"-19	3/8"-19	35.0	17.0	345	6MBSPP-6MBSPT
3/8"-19	1/2"-14	39.0	22.0	345	6MBSPP-8MBSPT
3/8"-19	3/4"-14	41.0	27.0	275	6MBSPP-12MBSPT
1/2"-14	1/4"-19	37.0	22.0	315	8MBSPP-4MBSPT
1/2"-14	3/8"-19	40.0	22.0	315	8MBSPP-6MBSPT
1/2"-14	1/2"-14	44.0	22.0	315	8MBSPP-8MBSPT
1/2"-14	3/4"-14	44.0	27.0	275	8MBSPP-12MBSPT
3/4"-14	1/2"-14	45.0	27.0	250	12MBSPP-8MBSPT
3/4"-14	3/4"-14	46.0	27.0	250	12MBSPP-12MBSPT
3/4"-14	1"-11	51.0	36.0	205	12MBSPP-16MBSPT
3/4"-1/4	1 1/4"-11	56.0	46.0	170	12MBSPP-20MBSPT
1"-11	3/4"-14	53.0	36.0	200	16MBSPP-12MBSPT
1"-11	1"-11	56.0	36.0	200	16MBSPP-16MBSPT
1"-11	1 1/4"-11	58.0	46.0	170	16MBSPP-20MBSPT
1 1/4"-11	3/4"-14	56.0	50.0	160	20MBSPP-12MBSPT
1 1/4"-11	1"-11	60.0	50.0	160	20MBSPP-16MBSPT
1 1/4"-11	1 1/4"-11	57.0	46.0	160	20MBSPP-20MBSPT
1 1/4"-11	1 1/2"-11	62.0	50.0	105	20MBSPP-24MBSPT
1 1/2"-11	1 1/4"-11	63.0	55.0	125	24MBSPP-20MBSPT
1 1/2"-11	1 1/2"-11	62.0	50.0	105	24MBSPP-24MBSPT
2"-11	2"-11	70.0	65.0	105	32MBSPP-32MBSPT



## BSP MBSPP-MBSPP EQUAL

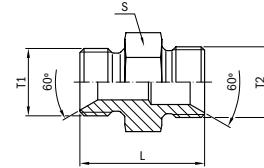
BSPP 60° male / male equal



THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
BSPP	BSPP	mm	mm	bar	BSP
1/8"-28	1/8"-28	26.5	14.0	350	2MBSPP-2MBSPP
1/4"-19	1/4"-19	30.0	19.0	350	4MBSPP-4MBSPP
3/8"-19	3/8"-19	35.0	22.0	350	6MBSPP-6MBSPP
1/2"-14	1/2"-14	40.0	27.0	315	8MBSPP-8MBSPP
5/8"-14	5/8"-14	43.0	30.0	315	10MBSPP-10MBSPP
3/4"-14	3/4"-14	45.0	32.0	250	12MBSPP-12MBSPP
1"-11	1"-11	53.0	41.0	200	16MBSPP-16MBSPP
1 1/4"-11	1 1/4"-11	57.0	50.0	160	20MBSPP-20MBSPP
1 1/2"-11	1 1/2"-11	61.0	55.0	125	24MBSPP-24MBSPP
2"-11	2"-11	70.0	70.0	80	32MBSPP-32MBSPP

**BSP MBSPP-MBSPP UNEQUAL**

BSPP 60° male / male unequal

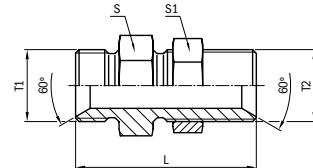


THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
BSPP	BSPP	mm	mm	bar	BSP
1/8"-28	1/4"-19	28.0	19.0	350	2MBSPP-4MBSPP
1/8"-28	3/8"-19	32.0	22.0	350	2MBSPP-6MBSPP
1/8"-28	1/2"-14	37.0	27.0	315	2MBSPP-8MBSPP
1/4"-19	3/8"-19	34.0	22.0	350	4MBSPP-6MBSPP
1/4"-19	1/2"-14	37.0	27.0	315	4MBSPP-8MBSPP
1/4"-19	5/8"-14	39.0	30.0	315	4MBSPP-10MBSPP
1/4"-19	3/4"-14	41.0	32.0	250	4MBSPP-12MBSPP
1/4"-19	1"-11	45.0	41.0	200	4MBSPP-16MBSPP
3/8"-19	1/2"-14	40.0	27.0	315	6MBSPP-8MBSPP
3/8"-19	5/8"-14	40.0	30.0	315	6MBSPP-10MBSPP
3/8"-19	3/4"-14	41.0	32.0	250	6MBSPP-12MBSPP
3/8"-19	1"-11	46.0	41.0	200	6MBSPP-16MBSPP
1/2"-14	5/8"-14	42.0	30.0	315	8MBSPP-10MBSPP
1/2"-14	3/4"-14	45.0	32.0	250	8MBSPP-12MBSPP
1/2"-14	1"-11	48.0	41.0	200	8MBSPP-16MBSPP
1/2"-14	1 1/4"-11	53.0	50.0	160	8MBSPP-20MBSPP
5/8"-14	3/4"-14	43.0	32.0	250	10MBSPP-12MBSPP
5/8"-14	1"-11	50.0	41.0	200	10MBSPP-16MBSPP
3/4"-14	1"-11	50.0	41.0	200	12MBSPP-16MBSPP
3/4"-14	1 1/4"-11	53.0	50.0	160	12MBSPP-20MBSPP
1"-11	1 1/4"-11	57.0	50.0	160	16MBSPP-20MBSPP
1"-11	1 1/2"-11	56.0	55.0	125	16MBSPP-24MBSPP
1"-11	2"-11	60.0	70.0	80	16MBSPP-32MBSPP
1 1/4"-11	1 1/2"-11	60.0	55.0	125	20MBSPP-24MBSPP
1 1/4"-11	2"-11	65.0	70.0	80	20MBSPP-32MBSPP
1 1/2"-11	2"-11	67.0	70.0	80	24MBSPP-32MBSPP



## BSP MBSPP-MBSPPBKHD

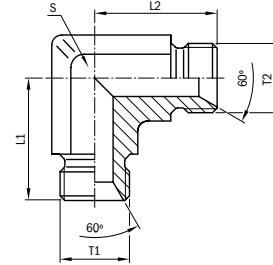
BSPP 60° male / male straight bulkhead with lock nut



THREAD		LENGTH	HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L mm	S mm	S1 mm	WP bar	REF.
BSPP	BSPP	mm	mm	mm	bar	BSP
1/8"-28	1/8"-28	41.5	14.0	14.0	350	2MBSPP-2MBSPPBKHD
1/4"-19	1/4"-19	46.0	19.0	19.0	350	4MBSPP-4MBSPPBKHD
3/8"-19	3/8"-19	52.0	22.0	22.0	350	6MBSPP-6MBSPPBKHD
1/2"-14	1/2"-14	59.0	27.0	27.0	315	8MBSPP-8MBSPPBKHD
5/8"-14	5/8"-14	63.0	30.0	30.0	315	10MBSPP-10MBSPPBKHD
3/4"-14	3/4"-14	66.0	32.0	32.0	250	12MBSPP-12MBSPPBKHD
1"-11	1"-11	75.0	41.0	41.0	200	16MBSPP-16MBSPPBKHD
1 1/4"-11	1 1/4"-11	83.0	50.0	50.0	160	20MBSPP-20MBSPPBKHD
1 1/2"-11	1 1/2"-11	93.0	55.0	55.0	125	24MBSPP-24MBSPPBKHD
2"-11	2"-11	100.0	70.0	70.0	125	32MBSPP-32MBSPPBKHD

## BSP MBSPP-MBSPP90BL

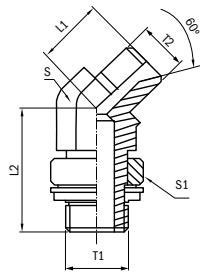
BSPP 60° male / male 90° compact elbow (forged)



THREAD		LENGTH		HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L1 mm	L2 mm	S mm	WP bar	REF.
BSPP	BSPP	mm	mm	mm	bar	BSP
1/4"-19	1/4"-19	27.0	27.0	14.0	350	4MBSPP-4MBSPP90BL
3/8"-19	3/8"-19	29.0	29.0	19.0	350	6MBSPP-6MBSPP90BL
1/2"-14	1/2"-14	34.0	34.0	22.0	315	8MBSPP-8MBSPP90BL
5/8"-14	5/8"-14	43.0	43.0	27.0	250	12MBSPP-12MBSPP90BL
1"-11	1"-11	48.0	48.0	33.0	200	16MBSPP-16MBSPP90BL

**BSP MBSPP-MBSPPACOR45**

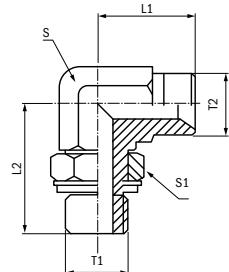
BSPP 60° male / adjustable male BSPP 45° elbow with O-Ring and retaining Ring



THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S	S1	WP	REF.
BSPP	BSPP	mm	mm	mm	mm	bar	BSP
3/8"-19	3/8"-19	21.0	33.0	19.0	22.0	200	6MBSPP-6MBSPPACOR45
1/2"-14	1/2"-14	24.3	38.6	22.0	27.0	200	8MBSPP-8MBSPPACOR45

**BSP MBSPP-MBSPPACOR90**

BSPP 60° male / adjustable male BSPP 90° elbow with O-Ring and retaining Ring

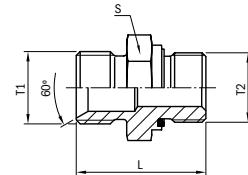


THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S	S1	WP	REF.
BSPP	BSPP	mm	mm	mm	mm	bar	BSP
1/8"-28	1/8"-28	22.5	26.0	11.0	14.0	200	2MBSPP-2MBSPPACOR90
1/4"-19	1/4"-19	27.0	31.5	14.0	19.0	200	4MBSPP-4MBSPPACOR90
3/8"-19	3/8"-19	29.0	37.0	19.0	22.0	200	6MBSPP-6MBSPPACOR90
3/8"-19	1/2"-14	32.0	43.0	22.0	27.0	200	6MBSPP-8MBSPPACOR90
1/2"-14	1/2"-14	34.0	43.0	22.0	27.0	200	8MBSPP-8MBSPPACOR90



## BSP MBSPP-MBSPPWD

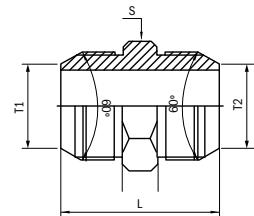
BSPP 60° male / male with captive seal



THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
BSPP	BSPP	mm	mm	bar	BSP
1/8"-28	1/8"-28	25.5	14.0	350	2MBSPP-2MBSPPWD
1/8"-28	1/4"-19	30.0	19.0	350	2MBSPP-4MBSPPWD
1/4"-19	1/8"-28	37.5	19.0	350	4MBSPP-2MBSPPWD
1/4"-19	1/4"-19	32.0	19.0	350	4MBSPP-4MBSPPWD
1/4"-19	3/8"-19	34.0	22.0	350	4MBSPP-6MBSPPWD
1/4"-19	1/2"-14	39.0	27.0	350	4MBSPP-8MBSPPWD
1/4"-19	3/4"-14	40.0	32.0	350	4MBSPP-12MBSPPWD
3/8"-19	1/8"-28	30.0	22.0	350	6MBSPP-2MBSPPWD
3/8"-19	1/4"-19	34.5	22.0	350	6MBSPP-4MBSPPWD
3/8"-19	3/8"-19	35.0	22.0	350	6MBSPP-6MBSPPWD
3/8"-19	1/2"-14	37.0	27.0	350	6MBSPP-8MBSPPWD
3/8"-19	3/4"-14	43.5	32.0	350	6MBSPP-12MBSPPWD
3/8"-19	1"-11	47.5	41.0	350	6MBSPP-16MBSPPWD
1/2"-14	1/4"-19	40.0	27.0	315	8MBSPP-4MBSPPWD
1/2"-14	3/8"-19	40.0	27.0	315	8MBSPP-6MBSPPWD
1/2"-14	1/2"-14	42.0	27.0	315	8MBSPP-8MBSPPWD
1/2"-14	3/4"-14	43.0	32.0	315	8MBSPP-12MBSPPWD
1/2"-14	1"-11	49.5	41.0	315	8MBSPP-16MBSPPWD
3/4"-14	1/4"-19	41.5	32.0	250	12MBSPP-4MBSPPWD
3/4"-14	3/8"-19	42.0	32.0	250	12MBSPP-6MBSPPWD
3/4"-14	1/2"-14	44.5	32.0	250	12MBSPP-8MBSPPWD
3/4"-14	3/4"-14	47.0	32.0	250	12MBSPP-12MBSPPWD
3/4"-14	1"-11	52.5	41.0	250	12MBSPP-16MBSPPWD
1"-11	1/2"-14	50.5	41.0	200	16MBSPP-8MBSPPWD
1"-11	3/4"-14	52.5	41.0	200	16MBSPP-12MBSPPWD
1"-11	1"-11	54.5	41.0	200	16MBSPP-16MBSPPWD
1 1/4"-11	3/4"-14	52.5	50.0	160	20MBSPP-12MBSPPWD

**BSP MBSPP-MJIS (BSP)**

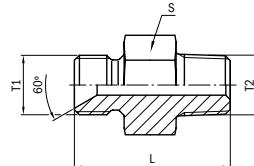
BSPP 60° male / male jis. BSP thread



THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
BSPP	JIS	mm	mm	bar	BSP
1/4"-19	1/4"-19	34.0	19.0	345	4MBSPP-4MJIS(BSP)

**BSP MBSPP-MP**

BSPP 60° male /male NPT

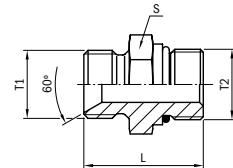


THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
BSPP	NPT	mm	mm	bar	BSP
1/4"-19	1/4"-18	33.0	19.0	275	4MBSPP-4MP
3/8"-19	3/8"-18	37.5	22.0	210	6MBSPP-6MP
1/2"-14	1/2"-14	45.5	27.0	210	8MBSPP-8MP
3/4"-14	3/4"-14	49.0	32.0	170	12MBSPP-12MP
1"-11	1" - 11.5	57.0	41.0	140	16MBSPP-16MP
2"-11	2" - 11.5	68.2	70.0	70	32MBSPP-32MP



## BSP MBSPP-MB

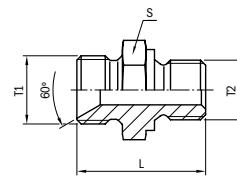
BSPPP 60° male /male SAE 'O' Ring boss



THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
BSP	SAE O	mm	mm	bar	BSP
1/4"-19	7/16"- 20 UNF	29.5	19.0	315	4MBSPP-4MB
1/4"-19	1/2"- 20 UNF	29.2	19.0	315	4MBSPP-5MB
1/4"-19	9/16"- 18 UNF	30.0	19.0	315	4MBSPP-6MB
1/4"-19	3/4"- 16 UNF	32.0	22.0	315	4MBSPP-8MB
3/8"-19	7/16"-20 UNF	32.8	22.0	315	6MBSPP-4MB
3/8"-19	9/16"-18 UNF	33.5	22.0	315	6MBSPP-6MB
3/8"-19	3/4"-16 UNF	33.0	22.0	315	6MBSPP-8MB
3/8"-19	7/8"-14 UNF	36.5	27.0	250	6MBSPP-10MB
3/8"-19	1.1/16"-12 UN	40.0	32.0	250	6MBSPP-12MB
1/2"-14	3/4"-16 UNF	40.0	27.0	315	8MBSPP-8MB
1/2"-14	7/8"-14 UNF	38.7	27.0	250	8MBSPP-10MB
1/2"-14	1.1/16"-12 UN	42.0	32.0	250	8MBSPP-12MB
5/8"-14	7/8"-14 UNF	42.5	30.0	250	10MBSPP-10MB
5/8"-14	1.1/16"-12 UN	43.5	32.0	250	10MBSPP-12MB
3/4"-14	3/4"-16 UNF	43.8	32.0	250	12MBSPP-8MB
3/4"-14	7/8"-14 UNF	43.5	32.0	250	12MBSPP-10MB
3/4"-14	1.1/16"-12 UN	44.5	32.0	250	12MBSPP-12MB
3/4"-14	1.5/16"-12 UN	46.0	41.0	200	12MBSPP-16MB
1"-11	1.1/16"-12 UN	51.0	41.0	200	16MBSPP-12MB
1"-11	1.5/16"-12 UN	46.1	41.0	200	16MBSPP-16MB

**BSP MBSPP-MM**

BSPP 60° male /male metric

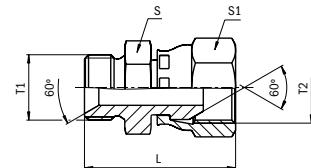


THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
BSPP	METRIC	mm	mm	bar	BSP
1/4"-19	M10x1	28.5	19.0	350	4MBSPP-10MM
1/4"-19	M12x1.5	33.0	19.0	350	4MBSPP-12MM
1/4"-19	M14x1.5	33.0	19.0	350	4MBSPP-14MM
1/4"-19	M16x1.5	33.5	22.0	350	4MBSPP-16MM
1/4"-19	M18x1.5	35.0	24.0	350	4MBSPP-18MM
1/4"-19	M20x1.5	37.5	27.0	350	4MBSPP-20MM
1/4"-19	M22x1.5	38.0	27.0	350	4MBSPP-22MM
3/8"-19	M12x1.5	34.5	22.0	350	6MBSPP-12MM
3/8"-19	M14x1.5	34.5	22.0	350	6MBSPP-14MM
3/8"-19	M16x1.5	34.5	22.0	350	6MBSPP-16MM
3/8"-19	M18x1.5	36.0	24.0	350	6MBSPP-18MM
3/8"-19	M20x1.5	38.5	27.0	350	6MBSPP-20MM
3/8"-19	M22x1.5	38.5	27.0	350	6MBSPP-22MM
1/2"-14	M12x1.5	37.0	27.0	315	8MBSPP-12MM
1/2"-14	M14x1.5	38.0	27.0	315	8MBSPP-14MM
1/2"-14	M16x1.5	38.0	27.0	315	8MBSPP-16MM
1/2"-14	M18x1.5	38.5	27.0	315	8MBSPP-18MM
1/2"-14	M20x1.5	40.5	27.0	315	8MBSPP-20MM
1/2"-14	M22x1.5	41.0	27.0	315	8MBSPP-22MM
1/2"-14	M24x1.5	41.0	30.0	315	8MBSPP-24MM
1/2"-14	M26x1.5	45.0	32.0	315	8MBSPP-26MM
3/4"-14	M18x1.5	43.0	32.0	250	12MBSPP-18MM
3/4"-14	M22x1.5	42.0	32.0	250	12MBSPP-22MM
3/4"-14	M26x1.5	44.0	32.0	250	12MBSPP-26MM
1"-11	M22x1.5	49.0	41.0	200	16MBSPP-22MM
1"-11	M26x1.5	49.0	41.0	200	16MBSPP-26MM



## BSP MBSPP-FBSPPX

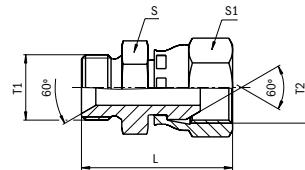
BSPP 60° male / female swivel



THREAD		LENGTH	HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L	S	S1	WP	REF.
BSPP	BSPP F	mm	mm	mm	bar	BSP
1/8"-28	1/8"-28	23.0	14.0	14.0	350	2MBSPP-2FBSPPX
1/8"-28	1/4"-19	28.0	14.0	19.0	350	2MBSPP-4FBSPPX
1/4"-19	1/8"-28	28.5	19.0	14.0	350	4MBSPP-2FBSPPX
1/4"-19	1/4"-19	29.5	19.0	19.0	350	4MBSPP-4FBSPPX
1/4"-19	3/8"-19	33.0	19.0	22.0	350	4MBSPP-6FBSPPX
1/4"-19	1/2"-14	34.5	22.0	27.0	315	4MBSPP-8FBSPPX
1/4"-19	3/4"-14	40.0	27.0	32.0	250	4MBSPP-12FBSPPX
3/8"-19	1/4"-19	33.0	22.0	19.0	350	6MBSPP-4FBSPPX
3/8"-19	3/8"-19	34.0	22.0	22.0	350	6MBSPP-6FBSPPX
3/8"-19	1/2"-14	36.0	22.0	27.0	315	6MBSPP-8FBSPPX
3/8"-19	3/4"-14	38.5	27.0	32.0	250	6MBSPP-12FBSPPX
3/8"-19	1"-11	41.5	36.0	41.0	200	6MBSPP-16FBSPPX
1/2"-14	1/4"-19	36.5	27.0	19.0	315	8MBSPP-4FBSPPX
1/2"-14	3/8"-19	37.5	27.0	22.0	315	8MBSPP-6FBSPPX
1/2"-14	1/2"-14	39.0	27.0	27.0	315	8MBSPP-8FBSPPX
1/2"-14	5/8"-14	40.0	27.0	30.0	315	8MBSPP-10FBSPPX
1/2"-14	3/4"-14	43.0	27.0	32.0	250	8MBSPP-12FBSPPX
1/2"-14	1"-11	43.5	36.0	41.0	200	8MBSPP-16FBSPPX
5/8"-14	5/8"-14	42.0	30.0	30.0	315	10MBSPP-10FBSPPX
3/4"-14	3/8"-19	39.0	32.0	22.0	250	12MBSPP-6FBSPPX
3/4"-14	1/2"-14	42.5	32.0	27.0	250	12MBSPP-8FBSPPX
3/4"-14	3/4"-14	45.0	32.0	32.0	250	12MBSPP-12FBSPPX
3/4"-14	1"-11	47.5	36.0	41.0	200	12MBSPP-16FBSPPX
3/4"-14	1.1/4"-11	51.5	41.0	50.0	160	12MBSPP-20FBSPPX
1"-11	1/2"-14	47.5	41.0	27.0	200	16MBSPP-8FBSPPX
1"-11	3/4"-14	50.0	41.0	32.0	200	16MBSPP-12FBSPPX
1"-11	1"-11	53.5	41.0	41.0	200	16MBSPP-16FBSPPX
1"-11	1.1/4"-11	53.5	41.0	50.0	160	16MBSPP-20FBSPPX
1"-11	1.1/2"-11	56.0	50.0	55.0	125	16MBSPP-24FBSPPX
1.1/4"-11	3/4"-14	51.0	50.0	32.0	160	20MBSPP-12FBSPPX
1.1/4"-11	1"-11	53.0	50.0	41.0	160	20MBSPP-16FBSPPX
1.1/4"-11	1.1/4"-11	54.5	50.0	50.0	160	20MBSPP-20FBSPPX

**BSP MBSPP-FBSPPX**

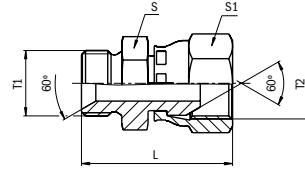
BSPP 60° male / female swivel  
CONTINUED



THREAD		LENGTH	HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L	S	S1	WP	REF.
BSPP	BSPP F	mm	mm	mm	bar	BSP
1.1/4"-11	1.1/2"-11	55.5	50.0	55.0	125	20MBSPP-24FBSPPX
1.1/4"-11	2"-11	59.5	60.0	70.0	80	20MBSPP-32FBSPPX
1.1/2"-11	1"-11	55.0	55.0	41.0	125	24MBSPP-16FBSPPX
1.1/2"-11	1.1/4"-11	57.5	55.0	50.0	125	24MBSPP-20FBSPPX
1.1/2"-11	1.1/2"-11	58.5	55.0	55.0	125	24MBSPP-24FBSPPX
1.1/2"-11	2"-11	61.5	60.0	70.0	125	24MBSPP-32FBSPPX
2"-11	1.1/4"-11	67.0	70.0	50.0	80	32MBSPP-20FBSPPX
2"-11	1.1/2"-11	68.1	70.0	55.0	125	32MBSPP-24FBSPPX
2"-11	2"-11	69.0	70.0	70.0	125	32MBSPP-32FBSPPX

**BSP MBSPP-FBSPPX-W/N**

BSPP 60° male / female swivel with wire-on-nut

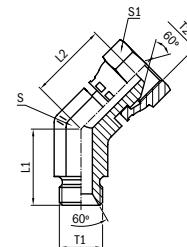


THREAD		LENGTH	HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L	S	S1	WP	REF.
BSPP	BSPP F	mm	mm	mm	bar	BSP
3/8"-19	3/8"-19	34.5	22.0	22.0	350	6MBSPP-6FBSPPX-W/N
1/2"-14	1/2"-14	39.0	27.0	27.0	315	8MBSPP-8FBSPPX-W/N
1"-11	1"-11	53.5	41.0	41.0	200	16MBSPP-16FBSPPX-W/N



### BSP MBSPP-FBSPPX45BL

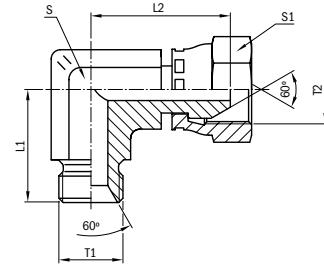
BSPP 60° male / female swivel 45° compact elbow (forged)



THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S	S1	WP	REF.
BSPP	BSPP F	mm	mm	mm	mm	bar	BSP
1/4"-19	1/4"-19	21.0	23.0	14.0	19.0	350	4MBSPP-4FBSPPX45BL
3/8"-19	3/8"-19	25.0	26.0	19.0	22.0	350	6MBSPP-6FBSPPX45BL
1/2"-14	1/2"-14	28.0	26.5	22.0	27.0	315	8MBSPP-8FBSPPX45BL
3/4"-14	3/4"-14	32.0	35.0	27.0	32.0	250	12MBSPP-12FBSPPX45BL
1"-11	1"-11	37.0	37.0	33.0	41.0	200	16MBSPP-16FBSPPX45BL

### BSP MBSPP-FBSPPX90BL

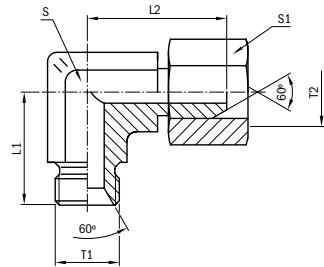
BSPP 60° male / female swivel 90° compact elbow (forged)



THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S	S1	WP	REF.
BSPP	BSPP F	mm	mm	mm	mm	bar	BSP
1/4"-19	1/4"-19	27.0	23.8	14.0	19.0	350	4MBSPP-4FBSPPX90BL
3/8"-19	3/8"-19	29.0	28.2	19.0	22.0	350	6MBSPP-6FBSPPX90BL
1/2"-14	1/2"-14	35.0	33.6	22.0	27.0	315	8MBSPP-8FBSPPX90BL
5/8"-14	5/8"-14	37.0	35.0	22.0	30.0	315	10MBSPP-10FBSPPX90BL
3/4"-14	3/4"-14	43.0	37.9	27.0	32.0	250	12MBSPP-12FBSPPX90BL
1"-11	1"-11	47.0	44.0	33.0	41.0	200	16MBSPP-16FBSPPX90BL
1 1/4"-11	1 1/4"-11	52.3	50.0	41.0	50.0	160	20MBSPP-20FBSPPX90BL

**BSP MBSPP-FBSPPX90BL-W/N**

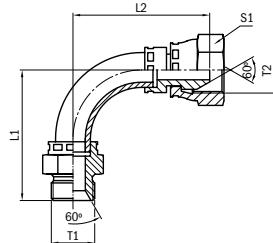
BSPP 60° male / female swivel 90° compact elbow (forged) with wire-on-nut



THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S	S1	WP	REF.
BSPP	BSPP F	mm	mm	mm	mm	bar	BSP
1/4"-19	1/4"-19	27.0	23.8	14.0	19.0	350	4MBSPP-4FBSPPX90BL-W/N

**BSP MBSPP-FBSPPX90SWT**

BSPP 60° male / female swivel 90° swept elbow

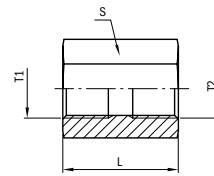


THREAD		LENGTH		HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S1	WP	REF.
BSPP	BSPP F	mm	mm	mm	bar	BSP
1/4"-19	1/4"-19	30.0	32.5	19.0	350	4MBSPP-4FBSPPX90SWT
3/8"-19	3/8"-19	37.0	39.0	22.0	350	6MBSPP-6FBSPPX90SWT
1/2"-14	1/2"-14	45.0	47.0	27.0	315	8MBSPP-8FBSPPX90SWT
5/8"-14	5/8"-14	52.0	52.0	30.0	315	10MBSPP-10FBSPPX90SWT
3/4"-14	3/4"-14	54.0	57.0	32.0	250	12MBSPP-12FBSPPX90SWT
1"-11	1"-11	68.0	69.0	41.0	200	16MBSPP-16FBSPPX90SWT
1.1/4"-11	1.1/4"-11	100.0	94.0	50.0	160	20MBSPP-20FBSPPX90SWT



## BSP FBSPP-FBSPP

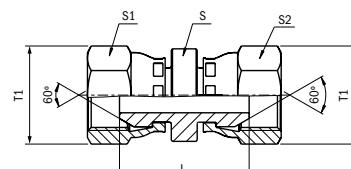
BSPP female fixed / female fixed



THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
BSPP F	BSPP F	mm	mm	bar	BSP
1/8"-28	1/8"-28	22.0	14.0	350	2FBSPP-2FBSPP
1/4"-19	1/4"-19	25.0	19.0	350	4FBSPP-4FBSPP
3/8"-19	3/8"-19	27.0	22.0	350	6FBSPP-6FBSPP
1/2"-14	1/2"-14	35.0	27.0	315	8FBSPP-8FBSPP
5/8"-14	5/8"-14	36.0	30.0	315	10FBSPP-10FBSPP
3/4"-14	3/4"-14	40.0	32.0	250	12FBSPP-12FBSPP
1"-11	1"-11	45.0	41.0	200	16FBSPP-16FBSPP
1 1/4"-11	1 1/4"-11	48.0	50.0	160	20FBSPP-20FBSPP
1 1/2"-11	1 1/2"-11	54.0	55.0	125	24FBSPP-24FBSPP
2"-11	2"-11	60.0	70.0	125	32FBSPP-32FBSPP

**BSP FBSPPX-FBSPPX**

BSPP 60° female swivel / female swivel

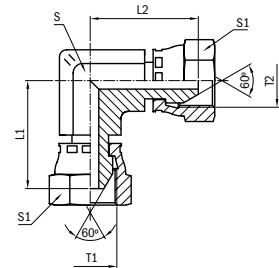


THREAD		LENGTH	HEX/FLATS			WORKING PRESSURE	ADAPTOR
T1	T2	mm	S	S1	S2	WP	REF.
BSPP F	BSPP F	mm	mm	mm	mm	bar	BSP
1/8"-28	1/8"-28	24.5	12.0	14.0	14.0	350	2FBSPPX-2FBSPPX
1/4"-19	1/4"-19	29.0	14.0	19.0	19.0	350	4FBSPPX-4FBSPPX
1/4"-19	3/8"-19	31.5	17.0	22.0	19.0	350	4FBSPPX-6FBSPPX
1/4"-19	1/2"-14	33.5	22.0	27.0	19.0	315	4FBSPPX-8FBSPPX
3/8"-19	3/8"-19	32.5	17.0	22.0	22.0	350	6FBSPPX-6FBSPPX
3/8"-19	1/2"-14	34.5	22.0	27.0	22.0	315	6FBSPPX-8FBSPPX
1/2"-14	1/2"-14	38.0	22.0	27.0	27.0	315	8FBSPPX-8FBSPPX
1/2"-14	5/8"-14	39.0	24.0	30.0	27.0	315	8FBSPPX-10FBSPPX
1/2"-14	3/4"-14	41.0	27.0	32.0	27.0	250	8FBSPPX-12FBSPPX
5/8"-14	5/8"-14	39.0	24.0	30.0	30.0	315	10FBSPPX-10FBSPPX
3/4"-14	3/4"-14	43.5	27.0	32.0	32.0	250	12FBSPPX-12FBSPPX
3/4"-14	1"-11	49.0	36.0	41.0	32.0	200	12FBSPPX-16FBSPPX
1"-11	1"-11	50.0	36.0	41.0	41.0	200	16FBSPPX-16FBSPPX
1 1/4"-11	1 1/4"-11	55.0	41.0	50.0	50.0	160	20FBSPPX-20FBSPPX
1 1/2"-11	1 1/2"-11	58.0	50.0	55.0	55.0	125	24FBSPPX-24FBSPPX
2"-11	2"-11	61.5	60.0	70.0	70.0	125	32FBSPPX-32FBSPPX



### BSP FBSPPX-FBSPPX90BL

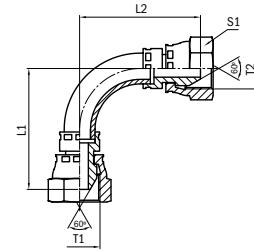
BSPP 60° female swivel / female swivel 90°  
compact elbow (forged)



THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S	S1	WP	REF.
BSPP F	BSPP F	mm	mm	mm	mm	bar	BSP
1/4"-19	1/4"-19	24.5	24.5	14.0	19.0	350	4FBSPPX-4FBSPX90BL
3/8"-19	3/8"-19	27.2	27.2	19.0	22.0	350	6FBSPPX-6FBSPX90BL
1/2"-14	1/2"-14	31.5	31.5	22.0	27.0	315	8FBSPPX-8FBSPX90BL
5/8"-14	5/8"-14	37.0	37.0	22.0	30.0	315	10FBSPPX-10FBSPX90BL
3/4"-14	3/4"-14	37.9	37.9	27.0	32.0	250	12FBSPPX-12FBSPX90BL
1"-11	1"-11	46.0	46.0	33.0	41.0	200	16FBSPPX-16FBSPX90BL
1.1/4"-11	1.1/4"-11	50.0	50.0	41.0	50.0	160	20FBSPPX-20FBSPX90BL

### BSP FBSPPX-FBSPPX90SWT

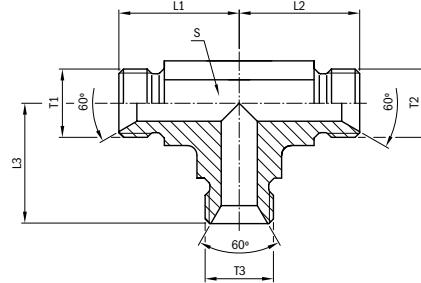
BSPP 60° female swivel / female swivel 90°  
swept elbow



THREAD		LENGTH		HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S1	WP	REF.
BSPP F	BSPP F	mm	mm	mm	bar	BSP
1/4"-19	1/4"-19	30.0	30.0	19.0	350	4FBSPPX-4FBSPX90SWT
3/8"-19	3/8"-19	36.5	36.5	22.0	350	6FBSPPX-6FBSPX90SWT
1/2"-14	1/2"-14	45.0	45.0	27.0	315	8FBSPPX-8FBSPX90SWT
5/8"-14	5/8"-14	53.0	53.0	30.0	315	10FBSPPX-10FBSPX90SWT
3/4"-14	3/4"-14	58.0	58.0	32.0	250	12FBSPPX-12FBSPX90SWT
1"-11	1"-11	73.0	73.0	41.0	200	16FBSPPX-16FBSPX90SWT
1.1/4"-11	1.1/4"-11	92.0	92.0	50.0	160	20FBSPPX-20FBSPX90SWT

**BSP MBSPP-MBSPP-MBSPP**

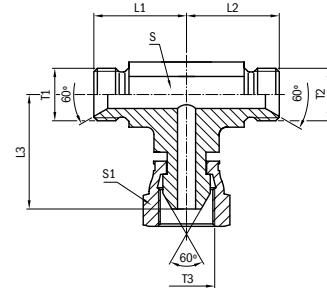
BSPP 60° male / male / male "T" (forged)



THREAD			LENGTH			HEX/FLATS	WORKING PRESSURE	ADAPTOR	REF.
T1	T2	T3	L1	L2	L3	S	WP		
BSPP	BSPP	BSPP	mm	mm	mm	mm	bar		BSP
1/4"-19	1/4"-19	1/4"-19	27.0	27.0	27.0	14.0	350	4MBSPP-4MBSPP-4MBSPP	
3/8"-19	3/8"-19	3/8"-19	29.0	29.0	29.0	19.0	350	6MBSPP-6MBSPP-6MBSPP	
1/2"-14	1/2"-14	1/2"-14	35.0	35.0	35.0	22.0	315	8MBSPP-8MBSPP-8MBSPP	
5/8"-14	5/8"-14	5/8"-14	37.0	37.0	37.0	27.0	315	10MBSPP-10MBSPP-10MBSPP	
3/4"-14	3/4"-14	3/4"-14	43.0	43.0	43.0	27.0	250	12MBSPP-12MBSPP-12MBSPP	
1"-11	1"-11	1"-11	48.0	48.0	48.0	33.0	200	16MBSPP-16MBSPP-16MBSPP	
1 1/4"-11	1 1/4"-11	1 1/4"-11	51.0	51.0	51.0	41.0	160	20MBSPP-20MBSPP-20MBSPP	
1 1/2"-11	1 1/2"-11	1 1/2"-11	60.5	60.5	60.5	48.0	125	24MBSPP-24MBSPP-24MBSPP	

**BSP MBSPP-MBSPP-FBSPPX**

BSPP 60° male / male / female swivel "T" (forged)

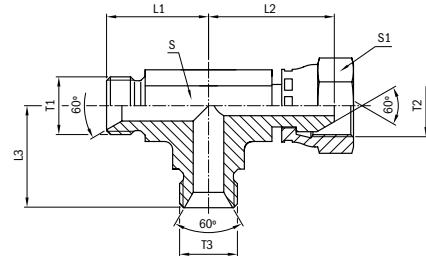


THREAD			LENGTH			HEX/FLATS	WORKING PRESSURE	ADAPTOR	REF.
T1	T2	T3	L1	L2	L3	S	S1	WP	
BSPP	BSPP	BSPP F	mm	mm	mm	mm	mm	bar	
1/4"-19	1/4"-19	1/4"-19	27.0	27.0	23.8	14.0	19.0	350	4MBSPP-4MBSPP-4FBSPPX
3/8"-19	3/8"-19	3/8"-19	29.0	29.0	28.2	19.0	22.0	350	6MBSPP-6MBSPP-6FBSPPX
1/2"-14	1/2"-14	1/2"-14	35.0	35.0	33.6	22.0	27.0	315	8MBSPP-8MBSPP-8FBSPPX
5/8"-14	5/8"-14	5/8"-14	43.0	43.0	37.9	27.0	32.0	250	12MBSPP-12MBSPP-12FBSPPX
1"-11	1"-11	1"-11	47.0	47.0	45.4	33.0	41.0	200	16MBSPP-16MBSPP-16FBSPPX
1 1/4"-11	1 1/4"-11	1 1/4"-11	50.0	50.0	50.0	41.0	50.0	160	20MBSPP-20MBSPP-20FBSPPX



### BSP MBSPP-FBSPPX-MBSPP

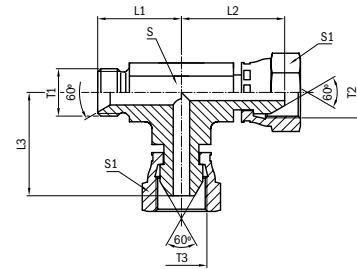
BSPP 60° male / female swivel / male "T" (forged)



THREAD			LENGTH			HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	T3	L1	L2	L3	S	S1	WP	REF.
BSPP	BSPP F	BSPP	mm	mm	mm	mm	mm	bar	BSP
1/4"-19	1/4"-19	1/4"-19	27.0	23.8	27.0	14.0	19.0	350	4MBSPP-4FBSPPX-4MBSPP
3/8"-19	3/8"-19	3/8"-19	29.0	28.2	29.0	19.0	22.0	350	6MBSPP-6FBSPPX-6MBSPP
1/2"-14	1/2"-14	1/2"-14	35.0	33.6	35.0	22.0	27.0	315	8MBSPP-8FBSPPX-8MBSPP
3/4"-14	3/4"-14	3/4"-14	43.0	37.9	43.0	27.0	32.0	250	12MBSPP-12FBSPPX-12MBSPP
1"-11	1"-11	1"-11	47.0	45.4	47.0	33.0	41.0	200	16MBSPP-16FBSPPX-16MBSPP
1 1/4"-11	1 1/4"-11	1 1/4"-11	50.0	50.0	50.0	41.0	50.0	160	20MBSPP-20FBSPPX-20MBSPP

### BSP MBSPP-FBSPPX-FBSPPX

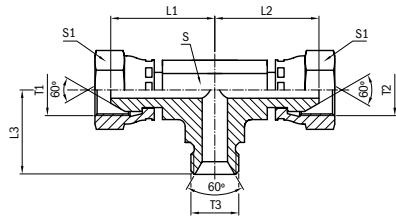
BSPP 60° male / female swivel / female swivel "T" (forged)



THREAD			LENGTH			HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	T3	L1	L2	L3	S	S1	WP	REF.
BSPP	BSPP F	BSPP F	mm	mm	mm	mm	mm	bar	BSP
1/4"-19	1/4"-19	1/4"-19	27.0	23.8	23.8	14.0	19.0	350	4MBSPP-4FBSPPX-4FBSPPX
3/8"-19	3/8"-19	3/8"-19	29.0	28.2	28.2	19.0	22.0	350	6MBSPP-6FBSPPX-6FBSPPX
1/2"-14	1/2"-14	1/2"-14	35.0	33.6	33.6	22.0	27.0	315	8MBSPP-8FBSPPX-8FBSPPX
3/4"-14	3/4"-14	3/4"-14	43.0	37.9	37.9	27.0	32.0	250	12MBSPP-12FBSPPX-12FBSPPX
1"-11	1"-11	1"-11	47.0	45.4	45.4	33.0	41.0	200	16MBSPP-16FBSPPX-16FBSPPX

**BSP FBSPPX-FBSPPX-MBSPP**

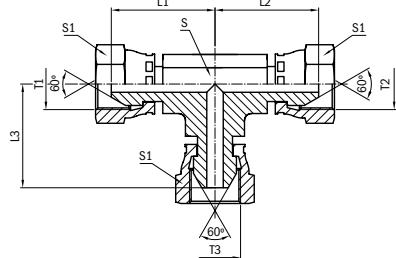
BSPP 60° female swivel / female swivel / male "T" (forged)



THREAD			LENGTH			HEX/FLATS		WORKING PRESSURE	ADAPTOR	REF.
T1	T2	T3	L1	L2	L3	S	S1	WP		
BSPP F	BSPP F	BSPP	mm	mm	mm	mm	mm	bar		BSP
1/4"-19	1/4"-19	1/4"-19	24.0	24.0	27.0	14.0	19.0	350	4FBSPPX-4FBSPPX-4MBSPP	
3/8"-19	3/8"-19	3/8"-19	28.2	28.2	29.0	19.0	22.0	350	6FBSPPX-6FBSPPX-6MBSPP	
1/2"-14	1/2"-14	1/2"-14	33.6	33.6	35.0	22.0	27.0	315	8FBSPPX-8FBSPPX-8MBSPP	
5/8"-14	5/8"-14	5/8"-14	35.0	35.0	37.0	27.0	30.0	315	10FBSPPX-10FBSPPX-10MBSPP	
3/4"-14	3/4"-14	3/4"-14	37.9	37.9	43.0	27.0	32.0	250	12FBSPPX-12FBSPPX-12MBSPP	
1"-11	1"-11	1"-11	45.4	45.4	47.0	33.0	41.0	200	16FBSPPX-16FBSPPX-16MBSPP	

**BSP FBSPPX-FBSPPX-FBSPPX**

BSPP 60° female swivel / female swivel / female swivel "T" (forged)

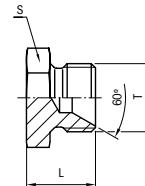


THREAD			LENGTH			HEX/FLATS		WORKING PRESSURE	ADAPTOR	REF.
T1	T2	T3	L1	L2	L3	S	S1	WP		
BSPP F	BSPP F	BSPP F	mm	mm	mm	mm	mm	bar		BSP
1/4"-19	1/4"-19	1/4"-19	24.5	24.5	24.5	14.0	19.0	350	4FBSPPX-4FBSPPX-4FBSPPX	
3/8"-19	3/8"-19	3/8"-19	27.5	27.5	27.5	19.0	22.0	350	6FBSPPX-6FBSPPX-6FBSPPX	
1/2"-14	1/2"-14	1/2"-14	31.5	31.5	31.5	22.0	27.0	315	8FBSPPX-8FBSPPX-8FBSPPX	
5/8"-14	5/8"-14	5/8"-14	35.0	35.0	35.0	22.0	30.0	315	10FBSPPX-10FBSPPX-10FBSPPX	
3/4"-14	3/4"-14	3/4"-14	41.5	41.5	41.5	27.0	32.0	250	12FBSPPX-12FBSPPX-12FBSPPX	
1"-11	1"-11	1"-11	46.0	46.0	46.0	33.0	41.0	200	16FBSPPX-16FBSPPX-16FBSPPX	
1.1/4"-11	1.1/4"-11	1.1/4"-11	51.2	51.2	51.2	41.0	50.0	160	20FBSPPX-20FBSPPX-20FBSPPX	
1.1/2"-11	1.1/2"-11	1.1/2"-11	63.5	63.5	63.5	48.0	55.0	125	24FBSPPX-24FBSPPX-24FBSPPX	



## BSP MBSPT-PLUG

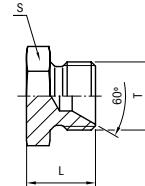
BSPP 60° male BSP taper cone plug



THREAD	LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T	L	S	WP	REF.
BSPT	mm	mm	bar	BSP
1/8"-28	16.0	12.0	345	2MBSPT-PLUG

## BSP MBSPP-PLUG

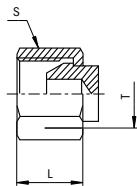
BSPP 60° male cone plug



THREAD	LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T	L	S	WP	REF.
BSPP	mm	mm	bar	BSP
1/8"-28	16.0	14.0	350	2MBSPP-PLUG
1/4"-19	18.0	19.0	350	4MBSPP-PLUG
3/8"-19	20.0	22.0	350	6MBSPP-PLUG
1/2"-14	24.0	27.0	315	8MBSPP-PLUG
5/8"-14	26.0	30.0	315	10MBSPP-PLUG
3/4"-14	27.0	32.0	250	12MBSPP-PLUG
1"-11	32.0	41.0	200	16MBSPP-PLUG
1 1/4"-11	34.0	50.0	160	20MBSPP-PLUG
1 1/2"-11	39.0	55.0	125	24MBSPP-PLUG
2"-11	45.0	70.0	125	32MBSPP-PLUG

**BSP FBSPPX-CAP**

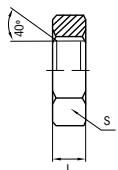
BSPP 60° female swivel cap



THREAD	LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T	L	S	WP	REF.
BSPP F	mm	mm	bar	BSP
1/8"-28	14.0	14.0	350	2FBSPPX-CAP
1/4"-19	16.0	19.0	350	4FBSPPX-CAP
3/8"-19	17.5	22.0	350	6FBSPPX-CAP
1/2"-14	20.5	27.0	315	8FBSPPX-CAP
5/8"-14	22.0	30.0	315	10FBSPPX-CAP
3/4"-14	25.0	32.0	250	12FBSPPX-CAP
1"-11	29.0	41.0	200	16FBSPPX-CAP
1 1/4"-11	29.2	50.0	160	20FBSPPX-CAP
1 1/2"-11	32.0	55.0	125	24FBSPPX-CAP
2"-11	34.0	70.0	125	32FBSPPX-CAP

**BSP LOCKNUT**

BSP locknut for bulkhead



THREAD	LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T	L	S	WP	REF.
BSPP	mm	mm	bar	BSP
1/8"-28	5.5	14.0	350	2BSP-LOCKNUT
3/8"-19	7.0	22.0	350	6BSP-LOCKNUT
1/2"-14	8.0	27.0	315	8BSP-LOCKNUT



INTRODUCTION

BSP ADAPTORS

JIC ADAPTORS

ORFS ADAPTORS

PRESSURE WASH  
ADAPTORS

QUICK-LOK  
ADAPTORS





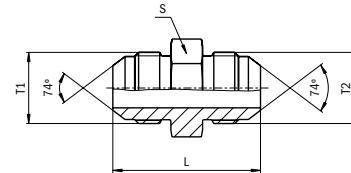
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## JIC ADAPTORS



**JIC MJ-MJ**

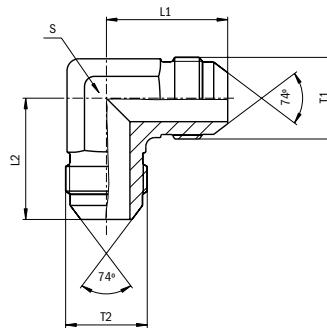
JIC 37° male / male



ADAPTOR	THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	T2	L	S	WP
JIC	JIC	JIC	mm	mm	bar
4MJ-2MJ	7/16"-20	5/16"-24	32.3	12.0	350
4MJ-4MJ	7/16"-20	7/16"-20	34.8	12.0	350
5MJ-4MJ	1/2"-20	7/16"-20	35.0	14.0	350
5MJ-5MJ	1/2"-20	1/2"-20	34.8	14.0	350
6MJ-4MJ	9/16"-18	7/16"-20	35.7	17.0	350
6MJ-6MJ	9/16"-18	9/16"-18	35.8	17.0	350
8MJ-6MJ	3/4"-16	9/16"-18	38.6	22.0	310
8MJ-8MJ	3/4"-16	3/4"-16	41.2	22.0	310
10MJ-8MJ	7/8"-14	3/4"-16	45.2	24.0	240
10MJ-10MJ	7/8"-14	7/8"-14	47.8	24.0	240
12MJ-12MJ	1.1/16"-12	1.1/16"-12	54.9	27.0	240
16MJ-16MJ	1.5/16"-12	1.5/16"-12	57.2	36.0	210

**JIC MJ-MJ90**

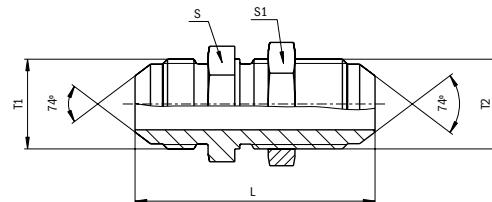
JIC 37° male / male 90° elbow



ADAPTOR	THREAD		LENGTH		HEX/FLATS	WORKING PRESSURE
REF.	T1	T2	L1	L2	S	WP
JIC	JIC	JIC	mm	mm	mm	bar
4MJ-4MJ90	7/16"-20	7/16"-20	22.6	22.6	11.0	350
5MJ-5MJ90	1/2"-20	1/2"-20	24.1	24.1	14.0	350
6MJ-4MJ90	5/16"-18	7/16"-20	26.9	26.7	14.0	350
6MJ-6MJ90	5/16"-18	5/16"-18	26.9	26.9	14.0	350
8MJ-6MJ90	3/4"-16	5/16"-18	31.8	29.0	19.0	310
8MJ-8MJ90	3/4"-16	3/4"-16	31.8	31.8	19.0	310
10MJ-8MJ90	7/8"-14	3/4"-16	36.8	33.8	22.0	240
10MJ-10MJ90	7/8"-14	7/8"-14	36.8	36.8	22.0	240
12MJ-12MJ90	1.1/16"-12	1.1/16"-12	42.2	42.2	27.0	240
16MJ-16MJ90	1.5/16"-12	1.5/16"-12	46.0	46.0	33.0	210

**JIC MJ-MJBKHD**

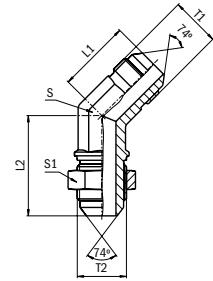
JIC 37° male / male bulkhead union with lock nut



ADAPTOR	THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	T2	L	S & S1	WP
JIC	JIC	JIC	mm	mm	bar
4MJ-4MJBKHD	7/16"-20	7/16"-20	52.6	17.0	350
5MJ-5MJBKHD	1/2"-20	1/2"-20	52.6	19.0	350
6MJ-6MJBKHD	5/16"-18	5/16"-18	55.4	22.0	350
8MJ-8MJBKHD	3/4"-16	3/4"-16	62.0	24.0	310
10MJ-10MJBKHD	7/8"-14	7/8"-14	69.6	30.0	240
12MJ-12MJBKHD	1.1/16"-12	1.1/16"-12	78.5	36.0	240
16MJ-16MJBKHD	1.5/16"-12	1.5/16"-12	79.8	41.0	210

**JIC MJ-MJBKHD45**

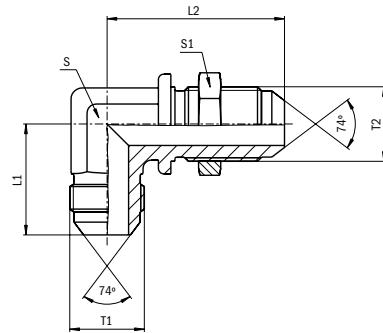
JIC 37° male / male bulkhead 45° union elbow with lock nut



ADAPTOR	THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	L1	L2	S	S1	WP
JIC	JIC	JIC	mm	mm	mm	mm	bar
4MJ-4MJBKHD45	7/16"-20	7/16"-20	18.3	38.9	11.0	17.0	350
5MJ-5MJBKHD45	1/2"-20	1/2"-20	19.6	42.2	14.0	19.0	350
6MJ-6MJBKHD45	5/16"-18	5/16"-18	21.1	42.4	14.0	22.0	350
8MJ-8MJBKHD45	3/4"-16	3/4"-16	24.9	49.3	19.0	24.0	310
10MJ-10MJBKHD45	7/8"-14	7/8"-14	28.2	55.1	22.0	30.0	240
12MJ-12MJBKHD45	1 1/16"-12	1 1/16"-12	32.5	62.0	27.0	36.0	240
16MJ-16MJBKHD45	1 5/16"-12	1 5/16"-12	37.3	65.0	33.0	41.0	210

**JIC MJ-MJBKHD90**

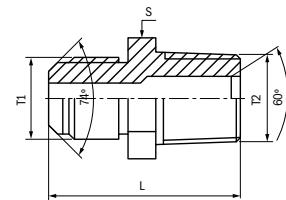
JIC 37° male / male bulkhead 90° union elbow with lock nut



ADAPTOR	THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	L1	L2	S	S1	WP
JIC	JIC	JIC	mm	mm	mm	mm	bar
4MJ-4MJBKHD90	7/16"-20	7/16"-20	24.6	40.4	11.0	17.0	350
5MJ-5MJBKHD90	1/2"-20	1/2"-20	26.9	43.7	14.0	19.0	350
6MJ-6MJBKHD90	5/16"-18	5/16"-18	26.9	46.0	14.0	22.0	350
8MJ-8MJBKHD90	3/4"-16	3/4"-16	34.5	53.6	19.0	24.0	310
10MJ-10MJBKHD90	7/8"-14	7/8"-14	39.6	60.7	22.0	30.0	240
12MJ-12MJBKHD90	1 1/16"-12	1 1/16"-12	45.2	67.8	27.0	36.0	240
16MJ-16MJBKHD90	1 5/16"-12	1 5/16"-12	49.3	71.1	33.0	41.0	210

**JIC MJ-MBSPT**

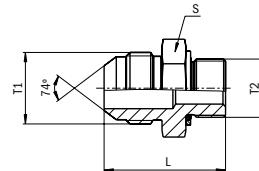
JIC 37° male / male BSP taper



THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
JIC	BSPT	mm	mm	bar	JIC
7/8"-14	3/4"-14	48.5	30.0	240	10MJ-12MBSPT

**JIC MJ-MBSPPCOR**

JIC 37° male / male BSPP with O-Ring and retaining Ring

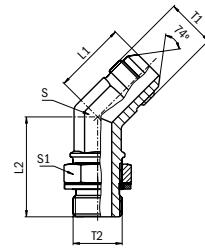


THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
JIC	BSPP	mm	mm	bar	JIC
7/16"-20	1/8"-28	30.0	14.0	200	4MJ-2MBSPPCOR
7/16"-20	1/4"-19	35.0	19.0	200	4MJ-4MBSPPCOR
7/16"-20	3/8"-19	35.0	22.0	200	4MJ-6MBSPPCOR
7/16"-20	1/2"-14	38.0	30.0	200	4MJ-8MBSPPCOR
9/16"-18	1/8"-28	29.5	17.0	200	6MJ-2MBSPPCOR
9/16"-18	1/4"-19	32.0	19.0	200	6MJ-4MBSPPCOR
9/16"-18	3/8"-19	34.5	22.0	200	6MJ-6MBSPPCOR
9/16"-18	1/2"-14	38.0	27.0	200	6MJ-8MBSPPCOR
3/4"-16	1/4"-19	35.0	19.0	200	8MJ-4MBSPPCOR
3/4"-16	3/8"-19	36.0	22.0	200	8MJ-6MBSPPCOR
3/4"-16	1/2"-14	41.5	27.0	200	8MJ-8MBSPPCOR
3/4"-16	3/4"-14	45.0	36.0	200	8MJ-12MBSPPCOR
3/4"-16	1"-11	48.0	46.0	200	8MJ-16MBSPPCOR
7/8"-14	3/8"-19	40.5	24.0	200	10MJ-6MBSPPCOR
7/8"-14	1/2"-14	44.0	27.0	200	10MJ-8MBSPPCOR
7/8"-14	3/4"-14	46.5	36.0	200	10MJ-12MBSPPCOR
1.1/16"-12	1/2"-14	46.0	30.0	200	12MJ-8MBSPPCOR
1.1/16"-12	3/4"-14	49.2	36.0	200	12MJ-12MBSPPCOR
1.5/16"-12	3/4"-14	48.5	36.0	200	16MJ-12MBSPPCOR
1.5/16"-12	1"-11	53.5	46.0	200	16MJ-16MBSPPCOR
1.5/16"-12	1.1/4"-11	57.0	50.0	160	16MJ-20MBSPPCOR
1.5/8"-12	1.1/4"-11	57.0	50.0	160	20MJ-20MBSPPCOR
1.7/8"-12	1.1/4"-11	61.5	55.0	140	24MJ-20MBSPPCOR



### JIC MJ-MBSPPACOR45

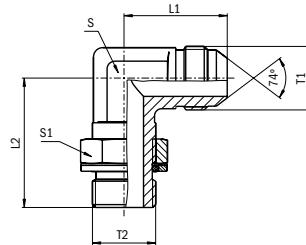
JIC 37° male / adjustable male BSPP 45° elbow  
with O-Ring and retaining Ring



THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S	S1	WP	REF.
JIC	BSPP	mm	mm	mm	mm	bar	JIC
7/16"-20	1/8"-28	18.0	26.5	11.0	14.0	200	4MJ-2MBSPPACOR45
7/16"-20	1/4"-19	21.0	29.0	14.0	19.0	200	4MJ-4MBSPPACOR45
7/16"-18	1/4"-19	21.0	29.0	14.0	19.0	200	6MJ-4MBSPPACOR45
7/16"-18	3/8"-19	22.0	33.0	19.0	22.0	200	6MJ-6MBSPPACOR45
7/16"-18	1/2"-14	22.0	38.5	22.0	27.0	200	6MJ-8MBSPPACOR45
3/4"-16	3/8"-19	25.0	33.0	19.0	22.0	200	8MJ-6MBSPPACOR45
3/4"-16	1/2"-14	25.5	38.5	22.0	27.0	200	8MJ-8MBSPPACOR45
7/8"-14	1/2"-14	28.0	38.5	22.0	27.0	200	10MJ-8MBSPPACOR45
7/8"-14	3/4"-14	30.0	44.0	27.0	36.0	200	10MJ-12MBSPPACOR45
1.1/16"-12	3/4"-14	32.5	44.0	27.0	36.0	200	12MJ-12MBSPPACOR45
1.5/16"-12	1"-11	37.0	47.0	33.0	41.0	200	16MJ-16MBSPPACOR45

**JIC MJ-MBSPPACOR90**

JIC 37° male / adjustable male BSPP 90° elbow  
with O-Ring and retaining Ring

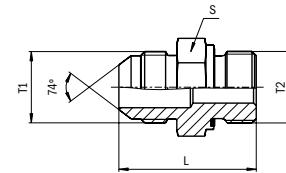


THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S	S1	WP	REF.
JIC	BSPP	mm	mm	mm	mm	bar	JIC
7/16"-20	1/8"-28	22.5	26.0	11.0	14.0	200	4MJ-2MBSPPACOR90
7/16"-20	1/4"-19	27.0	31.5	14.0	19.0	200	4MJ-4MBSPPACOR90
7/16"-20	3/8"-19	28.5	36.5	19.0	22.0	200	4MJ-6MBSPPACOR90
1/2"-20	1/8"-28	24.0	28.0	14.0	14.0	200	5MJ-2MBSPPACOR90
1/2"-20	1/4"-19	27.0	31.0	14.0	19.0	200	5MJ-4MBSPPACOR90
1/2"-20	3/8"-19	28.5	36.5	19.0	22.0	200	5MJ-6MBSPPACOR90
9/16"-18	1/4"-19	27.0	31.5	14.0	19.0	200	6MJ-4MBSPPACOR90
9/16"-18	3/8"-19	28.5	36.5	19.0	22.0	200	6MJ-6MBSPPACOR90
9/16"-18	1/2"-14	31.0	43.0	22.0	27.0	200	6MJ-8MBSPPACOR90
3/4"-16	1/4"-19	31.5	33.5	19.0	19.0	200	8MJ-4MBSPPACOR90
3/4"-16	3/8"-19	31.5	36.5	19.0	22.0	200	8MJ-6MBSPPACOR90
3/4"-16	1/2"-14	34.0	43.0	22.0	27.0	200	8MJ-8MBSPPACOR90
3/4"-16	3/4"-14	37.0	49.0	27.0	36.0	200	8MJ-12MBSPPACOR90
7/8"-14	3/8"-19	36.5	39.5	22.0	22.0	200	10MJ-6MBSPPACOR90
7/8"-14	1/2"-14	36.5	43.0	22.0	27.0	200	10MJ-8MBSPPACOR90
7/8"-14	3/4"-14	39.5	49.0	27.0	36.0	200	10MJ-12MBSPPACOR90
1.1/16"-12	1/2"-14	42.0	45.5	27.0	27.0	200	12MJ-8MBSPPACOR90
1.1/16"-12	3/4"-14	42.0	49.0	27.0	36.0	200	12MJ-12MBSPPACOR90
1.1/16"-12	1"-11	44.7	52.0	33.0	41.0	200	12MJ-16MBSPPACOR90
1.5/16"-12	3/4"-14	46.0	52.0	33.0	36.0	200	16MJ-12MBSPPACOR90
1.5/16"-12	1"-11	46.0	52.0	33.0	41.0	200	16MJ-16MBSPPACOR90
1.5/16"-12	1.1/4"-11	51.0	57.0	41.0	50.0	160	16MJ-20MBSPPACOR90
1.5/8"-12	1.1/4"-11	52.0	58.0	41.0	50.0	160	20MJ-20MBSPPACOR90
1.7/8"-12	1.1/2"-11	59.0	61.0	48.0	55.0	140	24MJ-24MBSPPACOR90



## JIC MJ-MBSPPWD

JIC 37° male / male BSPP with captive seal

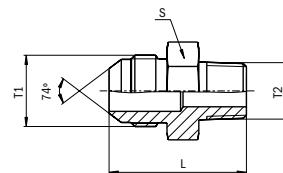


THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
JIC	BSPP	mm	mm	bar	JIC
7/16"-20	1/8"-28	29.0	14.0	315	4MJ-2MBSPPWD
7/16"-20	1/4"-19	34.0	19.0	315	4MJ-4MBSPPWD
7/16"-20	3/8"-19	34.0	22.0	315	4MJ-6MBSPPWD
7/16"-20	1/2"-14	39.5	27.0	315	4MJ-8MBSPPWD
1/2"-20	1/8"-28	30.5	17.0	315	5MJ-2MBSPPWD
1/2"-20	1/4"-19	34.0	19.0	315	5MJ-4MBSPPWD
1/2"-20	3/8"-19	36.0	22.0	315	5MJ-6MBSPPWD
9/16"-18	1/8"-28	30.0	17.0	315	6MJ-2MBSPPWD
9/16"-18	1/4"-19	34.0	19.0	315	6MJ-4MBSPPWD
9/16"-18	3/8"-19	34.5	22.0	315	6MJ-6MBSPPWD
9/16"-18	1/2"-14	38.0	27.0	250	6MJ-8MBSPPWD
9/16"-18	3/4"-14	45.0	32.0	250	6MJ-12MBSPPWD
3/4"-16	1/4"-19	38.5	19.0	310	8MJ-4MBSPPWD
3/4"-16	3/8"-19	37.5	22.0	310	8MJ-6MBSPPWD
3/4"-16	1/2"-14	39.5	27.0	250	8MJ-8MBSPPWD
3/4"-16	3/4"-14	46.7	32.0	250	8MJ-12MBSPPWD
3/4"-16	1"-11	48.0	41.0	250	8MJ-16MBSPPWD
7/8"-14	3/8"-19	41.3	24.0	240	10MJ-6MBSPPWD
7/8"-14	1/2"-14	45.0	27.0	240	10MJ-8MBSPPWD
7/8"-14	3/4"-14	49.0	32.0	240	10MJ-12MBSPPWD
7/8"-14	1"-11	50.8	41.0	240	10MJ-16MBSPPWD
1.1/16"-12	1/2"-14	48.0	27.0	240	12MJ-8MBSPPWD
1.1/16"-12	3/4"-14	52.0	32.0	240	12MJ-12MBSPPWD
1.1/16"-12	1"-11	53.5	41.0	240	12MJ-16MBSPPWD
1.1/16"-12	1.1/4"-11	56.0	50.0	160	12MJ-20MBSPPWD
1.5/16"-12	3/4"-14	52.5	36.0	210	16MJ-12MBSPPWD
1.5/16"-12	1"-11	55.0	41.0	210	16MJ-16MBSPPWD
1.5/16"-12	1.1/4"-11	57.5	50.0	160	16MJ-20MBSPPWD
1.5/8"-12	3/4"-14	54.5	46.0	170	20MJ-12MBSPPWD
1.5/8"-12	1"-11	58.5	46.0	170	20MJ-16MBSPPWD
1.5/8"-12	1.1/4"-11	58.5	50.0	160	20MJ-20MBSPPWD
1.5/8"-12	1.1/2"-11	63.5	55.0	160	20MJ-24MBSPPWD



## JIC MJ-MP

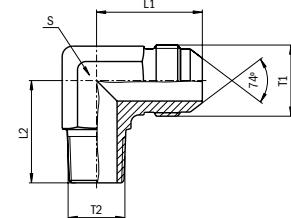
JIC 37° male / male NPT



ADAPTOR	THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T	T2	L mm	S mm	WP bar
JIC	JIC	NPT			
4MJ-2MP	7/16"-20	1/8"-27	31.0	14.0	345
4MJ-4MP	7/16"-20	1/4"-18	36.1	14.0	275
4MJ-6MP	7/16"-20	3/8"-18	36.1	19.0	210
5MJ-2MP	1/2"-20	1/8"-27	31.0	14.0	345
5MJ-4MP	1/2"-20	1/4"-18	36.1	14.0	275
6MJ-4MP	9/16"-18	1/4"-18	36.3	17.0	275
6MJ-6MP	9/16"-18	3/8"-18	36.3	19.0	210
6MJ-8MP	9/16"-18	1/2"-14	42.9	22.0	210
8MJ-6MP	3/4"-16	3/8"-18	38.9	22.0	210
8MJ-8MP	3/4"-16	1/2"-14	45.5	22.0	210
8MJ-12MP	3/4"-16	3/4"-14	47.0	27.0	170
10MJ-6MP	7/8"-14	3/8"-18	43.2	24.0	210
10MJ-8MP	7/8"-14	1/2"-14	48.0	24.0	210
10MJ-12MP	7/8"-14	3/4"-14	49.5	27.0	170
10MJ-16MP	7/8"-14	1"-11.5	54.6	36.0	140
12MJ-12MP	1.1/16"-12	3/4"-14	52.3	27.0	170
12MJ-16MP	1.1/16"-12	1"-11.5	57.2	36.0	140
16MJ-16MP	1.5/16"-12	1"-11.5	58.4	36.0	140

**JIC MJ-MP90**

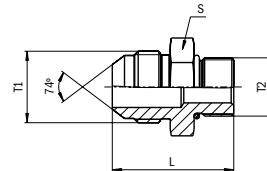
JIC 37° male / male NPT 90° elbow



ADAPTOR	THREAD		LENGTH		HEX/FLATS	WORKING PRESSURE
REF.	T	T2	L1	L2	mm	bar
JIC	JIC	NPT				
4MJ-2MP90	7/16"-20	1/8"-27	22.6	19.8	11.0	345
4MJ-4MP90	7/16"-20	1/4"-18	26.7	27.7	14.0	275
6MJ-4MP90	5/16"-18	1/4"-18	26.9	27.7	14.0	275
6MJ-6MP90	5/16"-18	3/8"-18	29.0	31.0	19.0	210
6MJ-8MP90	5/16"-18	1/2"-14	31.0	37.3	22.0	210
8MJ-8MP90	3/4"-16	1/2"-14	33.8	37.3	22.0	210
10MJ-8MP90	7/8"-14	1/2"-14	36.8	37.3	22.0	210
12MJ-12MP90	1.1/16"-12	3/4"-14	42.2	40.4	27.0	170
16MJ-16MP90	1.5/16"-12	1"-11.5	46.0	50.0	33.0	140

**JIC MJ-MB**

JIC 37° male / male SAE 'O' Ring bos

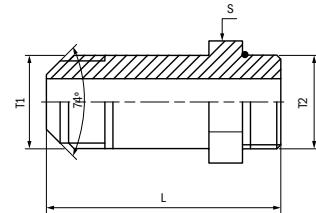


THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
JIC	SAE O	mm	mm	bar	JIC
7/16"-20	7/16"-20 UNF	31.2	14.0	315	4MJ-4MB
7/16"-20	9/16"-18 UNF	32.8	17.0	315	4MJ-6MB
7/16"-20	3/4"-16 UNF	34.8	22.0	315	4MJ-8MB
7/16"-20	7/8"-14 UNF	37.9	27.0	250	4MJ-10MB
1/2"-20	7/16"-20 UNF	31.2	17.0	315	5MJ-4MB
1/2"-20	1/2"-20 UNF	31.2	17.0	315	5MJ-5MB
1/2"-20	9/16"-18 UNF	32.8	17.0	315	5MJ-6MB
9/16"-18	7/16"-20 UNF	32.3	17.0	315	6MJ-4MB
9/16"-18	9/16"-18 UNF	33.0	17.0	315	6MJ-6MB
9/16"-18	3/4"-16 UNF	35.0	22.0	315	6MJ-8MB
9/16"-18	7/8"-14 UNF	38.0	27.0	250	6MJ-10MB
9/16"-18	1.1/16"-12 UN	42.2	32.0	250	6MJ-12MB
3/4"-16	9/16"-18 UNF	36.6	19.0	310	8MJ-6MB
3/4"-16	3/4"-16 UNF	37.6	22.0	310	8MJ-8MB
3/4"-16	7/8"-14 UNF	40.6	27.0	250	8MJ-10MB
3/4"-16	1.1/16"-12 UN	44.7	32.0	250	8MJ-12MB
3/4"-16	1.5/16"-12 UN	45.5	41.0	200	8MJ-16MB
7/8"-14	3/4"-16 UNF	41.7	24.0	240	10MJ-8MB
7/8"-14	7/8"-14 UNF	43.2	27.0	240	10MJ-10MB
7/8"-14	1.1/16"-12 UN	47.2	32.0	240	10MJ-12MB
1.1/16"-12	3/4"-16 UNF	49.3	30.0	240	12MJ-8MB
1.1/16"-12	7/8"-14 UNF	47.8	30.0	240	12MJ-10MB
1.1/16"-12	1.1/16"-12 UN	50.0	32.0	240	12MJ-12MB
1.1/16"-12	1.5/16"-12 UN	50.6	41.0	200	12MJ-16MB
1.5/16"-12	1.1/16"-12 UN	51.8	36.0	210	16MJ-12MB
1.5/16"-12	1.5/16"-12 UN	51.8	41.0	200	16MJ-16MB
1.5/16"-12	1.5/8"-12 UN	53.9	50.0	160	16MJ-20MB
1.5/8"-12	1.1/16"-12 UN	58.4	46.0	170	20MJ-12MB



### JIC MJ-MB LONG

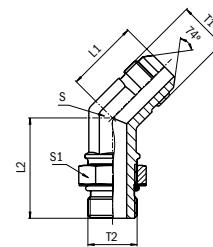
JIC 37° male / male SAE 'O' Ring boss long version



THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
JIC	SAE O	mm	mm	bar	JIC
7/16"-20	7/16"-20 UNF	52.8	14.0	315	4MJ-4MB LONG
9/16"-18	9/16"-18 UNF	58.5	17.0	315	6MJ-6MB LONG

### JIC MJ-MBA45

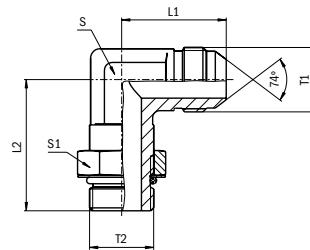
JIC 37° male / adjustable male SAE 'O' Ring boss 45° elbow



THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S	S1	WP	REF.
JIC	SAE O	mm	mm	mm	mm	bar	JIC
7/16"-20	7/16"-20 UNF	18.3	26.7	11.0	14.0	315	4MJ-4MBA45
7/16"-20	9/16"-18 UNF	20.8	29.0	14.0	19.0	315	4MJ-6MBA45
9/16"-18	9/16"-18 UNF	21.1	29.0	14.0	19.0	315	6MJ-6MBA45
9/16"-18	3/4"-16 UNF	22.1	33.0	19.0	22.0	315	6MJ-8MBA45
3/4"-16	9/16"-18 UNF	24.9	29.7	19.0	19.0	310	8MJ-6MBA45
3/4"-16	3/4"-16 UNF	24.9	33.0	19.0	22.0	310	8MJ-8MBA45
3/4"-16	7/8"-14 UNF	25.2	38.6	22.0	27.0	250	8MJ-10MBA45
7/8"-14	3/4"-16 UNF	28.2	34.5	22.0	22.0	240	10MJ-8MBA45
7/8"-14	7/8"-14 UNF	28.2	38.6	22.0	27.0	240	10MJ-10MBA45
1 1/16"-12	1.1/16"-12 UN	32.5	43.9	27.0	32.0	240	12MJ-12MBA45
1 5/16"-12	1.5/16"-12 UN	37.3	47.2	33.0	41.0	200	16MJ-16MBA45

**JIC MJ-MBA90**

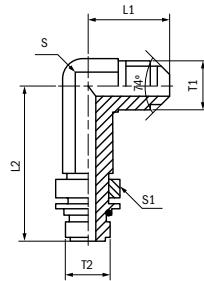
JIC 37° male / adjustable male SAE 'O' Ring boss  
90° elbow



THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S	S1	WP	REF.
JIC	SAE O	mm	mm	mm	mm	bar	JIC
7/16"-20	7/16"-20 UNF	22.6	26.1	11.0	14.0	315	4MJ-4MBA90
7/16"-20	7/16"-18 UNF	26.7	31.8	14.0	19.0	315	4MJ-6MBA90
1/2"-20	1/2"-20 UNF	24.1	28.7	14.0	17.0	315	5MJ-5MBA90
7/16"-18	7/16"-20 UNF	26.9	30.2	14.0	14.0	315	6MJ-4MBA90
7/16"-18	7/16"-18 UNF	26.9	31.8	14.0	19.0	315	6MJ-6MBA90
7/16"-18	3/4"-16 UNF	29.0	36.8	19.0	22.0	315	6MJ-8MBA90
3/4"-16	7/16"-18 UNF	31.8	33.8	19.0	19.0	310	8MJ-6MBA90
3/4"-16	3/4"-16 UNF	31.8	36.8	19.0	22.0	310	8MJ-8MBA90
3/4"-16	7/8"-14 UNF	33.8	43.2	22.0	27.0	250	8MJ-10MBA90
7/8"-14	7/8"-14 UNF	36.8	43.2	22.0	27.0	240	10MJ-10MBA90
7/8"-14	1.1/16"-12 UN	39.1	49.3	27.0	32.0	240	10MJ-12MBA90
1.1/16"-12	1.1/16"-12 UN	42.2	49.3	27.0	32.0	240	12MJ-12MBA90
1.1/16"-12	1.5/16"-12 UN	44.7	52.1	33.0	41.0	200	12MJ-16MBA90
1.5/16"-12	1.5/16"-12 UN	46.0	52.1	33.0	41.0	200	16MJ-16MBA90

**JIC MJ-MBA90 LONG**

JIC 37° male / adjustable male SAE 'O' Ring boss 90° elbow long version

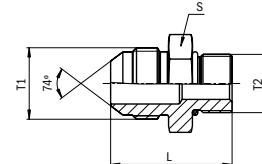


THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S	S1	WP	REF.
JIC	SAE O	mm	mm	mm	mm	bar	JIC
7/16"-20	7/16"-20 UNF	22.6	43.9	11.0	14.0	315	4MJ-4MBA90 LONG



## JIC MJ-MMOR

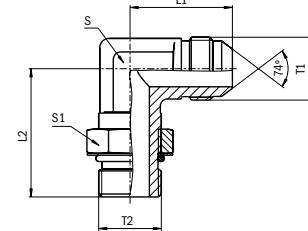
JIC 37° male / male metric with O-Ring



THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
JIC	METRIC	mm	mm	bar	JIC
7/16"-20	M10x1	30.0	14.0	250	4MJ-10MMOR
5/16"-18	M14x1.5	33.5	19.0	250	6MJ-14MMOR
5/16"-18	M16x1.5	35.0	22.0	250	6MJ-16MMOR
5/16"-18	M18x1.5	37.0	24.0	250	6MJ-18MMOR
3/4"-16	M16x1.5	38.0	22.0	250	8MJ-16MMOR
3/4"-16	M18x1.5	39.5	24.0	250	8MJ-18MMOR
7/8"-14	M14x1.5	41.0	24.0	240	10MJ-14MMOR
7/8"-14	M18x1.5	42.0	24.0	240	10MJ-18MMOR
7/8"-14	M22x1.5	44.5	27.0	160	10MJ-22MMOR
1.1/16"-12	M22x1.5	45.5	27.0	160	12MJ-22MMOR
1.1/16"-12	M27x2	51.0	32.0	160	12MJ-27MMOR

## JIC MJ-MMAOR90

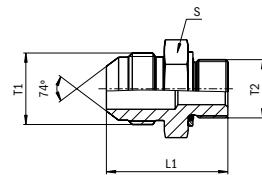
JIC 37° male / adjustable male metric 90° elbow with O-Ring



THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S	S1	WP	REF.
JIC	METRIC	mm	mm	mm	mm	bar	JIC
1/2"-20	M12x1.5	27.0	31.5	14.0	17.0	250	5MJ-12MMAOR90
5/16"-18	M14x1.5	27.0	32.5	14.0	19.0	250	6MJ-14MMAOR90
3/4"-16	M18x1.5	31.5	37.0	19.0	24.0	250	8MJ-18MMAOR90
7/8"-14	M18x1.5	36.5	41.5	22.0	24.0	240	10MJ-18MMAOR90
7/8"-14	M22x1.5	36.5	43.0	22.0	27.0	240	10MJ-22MMAOR90
1.1/16"-12	M22x1.5	42.0	45.5	27.0	27.0	240	12MJ-22MMAOR90
1.1/16"-12	M27x2	42.0	51.5	27.0	32.0	240	12MJ-27MMAOR90

**JIC MJ-MMCOR**

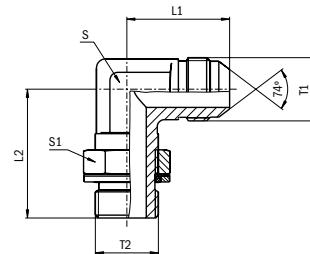
JIC 37° male / male metric with O-Ring and retaining Ring



THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
JIC	METRIC	mm	mm	bar	JIC
9/16"-18	M14x1.5	33.5	19.0	250	6MJ-14MMCOR
9/16"-18	M18x1.5	37.0	24.0	250	6MJ-18MMCOR

**JIC MJ-MMACOR90**

JIC 37° male / adjustable male metric 90° elbow with O-Ring and retaining Ring

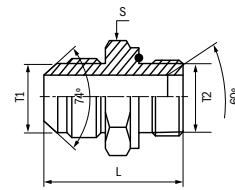


THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	L1	L2	S	S1	WP	REF.
JIC	METRIC	mm	mm	mm	mm	bar	JIC
7/16"-20	M10x1	22.5	27.5	11.0	14.0	250	4MJ-10MMACOR90



## JIC MJ-MMWD

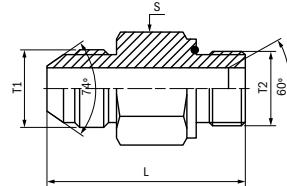
JIC 37° male / male metric with captive seal



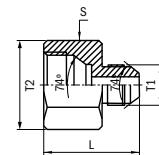
THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
JIC	METRIC	mm	mm	bar	JIC
7/16"-18	M12x1.5	34.5	17.0	350	6MJ-12MMWD
7/16"-18	M14x1.5	33.0	19.0	350	6MJ-14MMWD
7/16"-18	M16x1.5	36.5	22.0	350	6MJ-16MMWD
7/16"-18	M18x1.5	35.0	24.0	350	6MJ-18MMWD
7/16"-18	M22x1.5	38.2	27.0	350	6MJ-22MMWD
3/4"-16	M14x1.5	38.5	22.0	310	8MJ-14MMWD
3/4"-16	M16x1.5	37.7	22.0	310	8MJ-16MMWD
3/4"-16	M18x1.5	39.0	24.0	310	8MJ-18MMWD
3/4"-16	M22x1.5	40.7	27.0	310	8MJ-22MMWD
7/8"-14	M16x1.5	41.0	24.0	240	10MJ-16MMWD
7/8"-14	M18x1.5	41.5	24.0	240	10MJ-18MMWD
7/8"-14	M22x1.5	43.5	27.0	240	10MJ-22MMWD
7/8"-14	M27x2	47.3	32.0	240	10MJ-27MMWD
1.1/16"-12	M22x1.5	46.5	30.0	240	12MJ-22MMWD
1.1/16"-12	M26x1.5	50.0	32.0	160	12MJ-26MMWD
1.1/16"-12	M33x2	50.5	41.0	240	12MJ-33MMWD
1.5/16"-12	M33x2	51.5	41.0	210	16MJ-33MMWD
1.5/8"-12	M33x2	56.5	46.0	170	20MJ-33MMWD
1.5/8"-12	M42x2	59.5	50.0	170	20MJ-42MMWD
1.5/8"-12	M48x2	66.0	55.0	170	20MJ-48MMWD

**JIC MJ-MMWD LONG**

JIC 37° male / male metric with captive seal long version



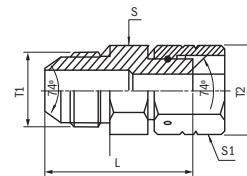
THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	ADAPTOR
T1	T2	L	S	WP	REF.
JIC	METRIC	mm	mm	bar	JIC
7/8"-14	M26x1.5	59.0	32.0	160	10MJ-26MMWD LONG
1 5/8"-12	M42x2	88.0	50.0	100	20MJ-42MMWD LONG

**JIC MJ-FJ FIXED**JIC 37° male / female with fixed nut  
(non swivelling version)

ADAPTOR	THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	T2	L	S	WP
JIC	JIC	JIC F	mm	mm	bar
8MJ-8FJ FIXED	3/4"-16	3/4"-16	36.3	24.0	310

**JIC MJ-FJX-W/N**

JIC 37° male / female with wire-on-nut

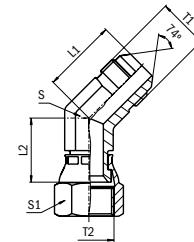


ADAPTOR	THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE	
REF.	T1	T2	L	S	S1	WP
JIC	JIC	JIC F	mm	mm	mm	bar
6MJ-6FJX-W/N	9/16"-18	9/16"-18	33.0	17.0	19.0	350
6MJ-8FJX-W/N	9/16"-18	3/4"-16	36.0	22.0	22.0	310
8MJ-6FJX-W/N	3/4"-16	9/16"-18	36.5	22.0	19.0	310
8MJ-8FJX-W/N	3/4"-16	3/4"-16	38.5	22.0	22.0	310
10MJ-8FJX-W/N	7/8"-14	3/4"-16	43.0	24.0	22.0	240
16MJ-16FJX-W/N	1 5/16-12	1 5/16-12	50.5	36.0	41.0	210



### JIC MJ-FJX45

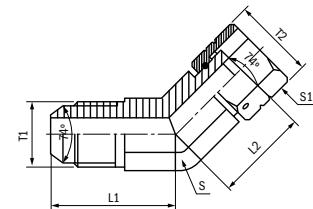
JIC 37° male / female swivel 45° elbow



ADAPTOR	THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	L1	L2	S	S1	WP
JIC	JIC	JIC F	mm	mm	mm	mm	bar
4MJ-4FJX45	7/16"-20	7/16"-20	18.3	14.9	11.0	14.0	350
5MJ-5FJX45	1/2"-20	1/2"-20	19.6	15.6	14.0	17.0	350
6MJ-6FJX45	5/16"-18	5/16"-18	21.1	18.9	14.0	19.0	350
8MJ-8FJX45	3/4"-16	3/4"-16	24.9	21.8	19.0	22.0	310
10MJ-10FJX45	7/8"-14	7/8"-14	28.2	28.2	22.0	27.0	240
12MJ-12FJX45	1.1/16"-12	1.1/16"-12	32.5	32.5	27.0	32.0	240
16MJ-16FJX45	1.5/16"-12	1.5/16"-12	37.3	37.3	33.0	41.0	210

### JIC MJ-FJX45-W/N

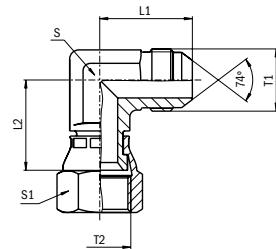
JIC 37° male / female swivel 45° elbow  
with wire-on-nut



ADAPTOR	THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	L1	L2	S	S1	WP
JIC	JIC	JIC F	mm	mm	mm	mm	bar
6MJ-6FJX45-W/N	5/16"-18	5/16"-18	21.1	18.9	14.0	19.0	350
10MJ-10FJX45-W/N	7/8"-14	7/8"-14	28.2	23.9	22.0	27.0	240

**JIC MJ-FJX90**

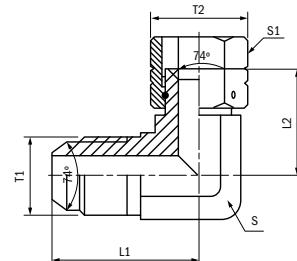
JIC 37° male / female swivel 90° elbow



ADAPTOR	THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	L1	L2	S	S1	WP
JIC	JIC	JIC F	mm	mm	mm	mm	bar
4MJ-4FJX90	7/16"-20	7/16"-20	22.6	16.7	11.0	14.0	350
5MJ-5FJX90	1/2"-20	1/2"-20	24.1	17.4	14.0	17.0	350
6MJ-6FJX90	5/16"-18	5/16"-18	26.9	22.2	14.0	19.0	350
8MJ-8FJX90	3/4"-16	3/4"-16	31.8	24.3	19.0	22.0	310
10MJ-10FJX90	7/8"-14	7/8"-14	36.8	28.5	22.0	27.0	240
12MJ-12FJX90	1.1/16"-12	1.1/16"-12	42.2	30.2	27.0	32.0	240
14MJ-14FJX90	1.3/16"-12	1.3/16"-12	45.7	30.5	33.0	36.0	210
16MJ-16FJX90	1.5/16"-12	1.5/16"-12	46.0	35.7	33.0	41.0	210
20MJ-20FJX90	1.5/8"-12	1.5/8"-12	52.3	42.8	41.0	50.0	170

**JIC MJ-FJX90-W/N**

JIC 37° male / female swivel 90° elbow with wire-on-nut

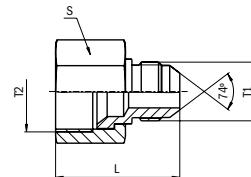


ADAPTOR	THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	L1	L2	S	S1	WP
JIC	JIC	JIC F	mm	mm	mm	mm	bar
6MJ-6FJX90-W/N	5/16"-18	5/16"-18	26.9	22.2	14.0	19.0	350
8MJ-8FJX90-W/N	3/4"-16	3/4"-16	31.8	24.3	19.0	22.0	310
10MJ-10FJX90-W/N	7/8"-14	7/8"-14	36.8	28.5	22.0	27.0	240
12MJ-12FJX90-W/N	1.1/16"-12	1.1/16"-12	42.2	30.2	27.0	32.0	240
16MJ-16FJX90-W/N	1.5/16"-12	1.5/16"-12	46.0	35.7	33.0	41.0	210



## JIC FJX-MJ

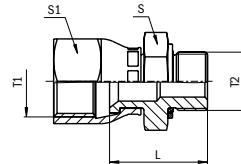
JIC 37° female swivel / male tube reducer



ADAPTOR	THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	T2	L	S	WP
JIC	JIC	JIC F	mm	mm	bar
6FJX-4MJ	7/16"-20	9/16"-18	24.6	19.0	350
8FJX-6MJ	9/16"-18	3/4"-16	25.5	22.0	310
10FJX-4MJ	7/16"-20	7/8"-14	26.1	27.0	240
10FJX-6MJ	9/16"-18	7/8"-14	28.5	27.0	240
10FJX-8MJ	3/4"-16	7/8"-14	29.5	27.0	240
12FJX-4MJ	7/16"-20	1.1/16"-12	27.7	32.0	240
12FJX-8MJ	3/4"-16	1.1/16"-12	30.4	32.0	240
12FJX-10MJ	7/8"-14	1.1/16"-12	32.8	32.0	240
16FJX-6MJ	9/16"-18	1.5/16"-12	30.0	41.0	210
16FJX-10MJ	7/8"-14	1.5/16"-12	34.6	41.0	210
16FJX-12MJ	1.1/16"-12	1.5/16"-12	37.3	41.0	210
24FJX-16MJ	1.5/16"-12	1.7/8"-12	42.0	60.0	140

**JIC FJX-MBSPPCOR**

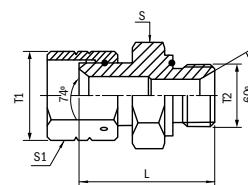
JIC 37° female swivel / male BSPP with O-Ring and retaining Ring



<b>ADAPTOR</b>	<b>THREAD</b>		<b>LENGTH</b>	<b>HEX/FLATS</b>		<b>WORKING PRESSURE</b>
<b>REF.</b>	<b>T2</b>	<b>T3</b>	<b>L</b>	<b>S</b>	<b>S1</b>	<b>WP</b>
JIC	JIC F	BSPP	mm	mm	mm	bar
4FJX-2MBSPPCOR	7/16"-20	1/8"-28	33.5	14.0	14.0	200
4FJX-4MBSPPCOR	7/16"-20	1/4"-19	39.0	19.0	17.0	200
5FJX-2MBSPPCOR	1/2"-20	1/8"-28	24.0	17.0	17.0	200
6FJX-4MBSPPCOR	9/16"-18	1/4"-19	42.0	19.0	19.0	200
6FJX-6MBSPPCOR	9/16"-18	3/8"-19	42.0	22.0	19.0	200
8FJX-6MBSPPCOR	3/4"-16	3/8"-19	43.5	22.0	24.0	200
8FJX-8MBSPPCOR	3/4"-16	1/2"-14	47.0	27.0	24.0	200
10FJX-6MBSPPCOR	7/8"-14	3/8"-19	47.0	24.0	27.0	200
10FJX-8MBSPPCOR	7/8"-14	1/2"-14	50.0	27.0	27.0	200
10FJX-12MBSPPCOR	7/8"-14	3/4"-14	38.0	36.0	27.0	200
12FJX-8MBSPPCOR	1 1/16"-12	1/2"-14	52.5	30.0	32.0	200
12FJX-12MBSPPCOR	1 1/16"-12	3/4"-14	55.5	36.0	32.0	200
16FJX-16MBSPPCOR	1 5/16"-12	1"-11	60.5	46.0	41.0	200
20FJX-20MBSPPCOR	1 5/8"-12	1 1/4"-11	67.0	50.0	50.0	160
24FJX-24MBSPPCOR	1 7/8"-12	1 1/2"-11	76.0	55.0	55.0	140

**JIC FJX-MBSPPWD**

JIC 37° male / male BSPP with captive seal

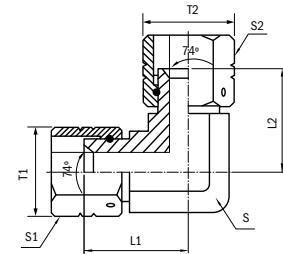


<b>ADAPTOR</b>	<b>THREAD</b>		<b>LENGTH</b>	<b>HEX/FLATS</b>		<b>WORKING PRESSURE</b>
<b>REF.</b>	<b>T1</b>	<b>T2</b>	<b>L</b>	<b>S</b>	<b>S1</b>	<b>WP</b>
JIC	JIC F	BSPP	mm	mm	mm	bar
6FJX-6MBSPPWD-W/N	9/16"-18	3/8"-19	33.5	22.0	19.0	315
6FJX-8MBSPPWD-W/N	9/16"-18	1/2"-14	36.5	27.0	19.0	250
8FJX-4MBSPPWD-W/N	3/4"-16	1/4"-19	32.0	19.0	22.0	310
8FJX-8MBSPPWD-W/N	3/4"-16	1/2"-14	37.5	27.0	22.0	250
16FJX-16MBSPPWD-W/N	1 5/16"-12	1"-11	48.5	41.0	41.0	210



### JIC FJX-FJX90-W/N

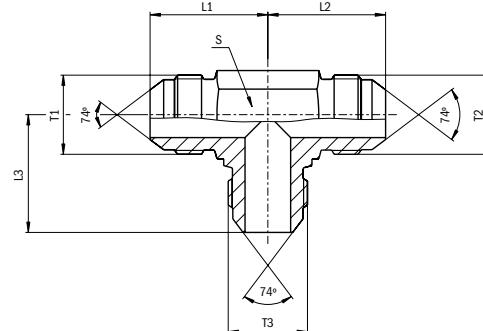
JIC 37° female swivel / female swivel 90° elbow  
with wire-on-nut



ADAPTOR	THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	L1	L2	S	S1 & S2	WP
JIC	JIC F	JIC F	mm	mm	mm	mm	bar
8FJX-8FJX90-W/N	3/4"-16	3/4"-16	24.3	24.3	19.0	22.0	310

### JIC MJ-MJ-MJ

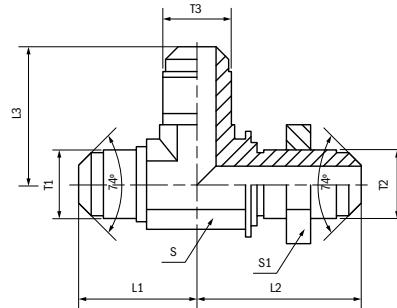
JIC 37° male / male / male "T"



ADAPTOR	THREAD			LENGTH			HEX/FLATS	WORKING PRESSURE
REF.	T1	T2	T3	L1	L2	L3	S	WP
JIC	JIC	JIC	JIC	mm	mm	mm	mm	bar
4MJ-4MJ-4MJ	7/16"-20	7/16"-20	7/16"-20	22.6	22.6	22.6	11.0	350
5MJ-5MJ-5MJ	1/2"-20	1/2"-20	1/2"-20	24.1	24.1	24.1	14.0	350
6MJ-6MJ-6MJ	9/16"-18	9/16"-18	9/16"-18	26.9	26.9	26.9	14.0	350
8MJ-8MJ-8MJ	3/4"-16	3/4"-16	3/4"-16	31.8	31.8	31.8	19.0	310
10MJ-10MJ-10MJ	7/8"-14	7/8"-14	7/8"-14	36.8	36.8	36.8	22.0	240
12MJ-12MJ-12MJ	1.1/16"-12	1.1/16"-12	1.1/16"-12	42.2	42.2	42.2	27.0	240
16MJ-16MJ-16MJ	1.5/16"-12	1.5/16"-12	1.5/16"-12	46.0	46.0	46.0	33.0	210

**JIC MJ-MJBKHD-MJ**

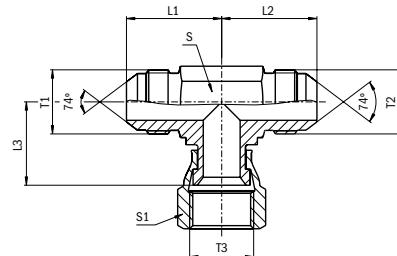
JIC 37° male / male bulkhead / male "run T"



ADAPTOR	THREAD			LENGTH			HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	T3	L1	L2	L3	S	S1	WP
JIC	JIC	JIC	JIC	mm	mm	mm	mm	mm	bar
8MJ-8MJBKHD-8MJ	3/4"-16	3/4"-16	3/4"-16	34.5	53.6	34.5	19.0	24.0	310

**JIC MJ-MJ-FJX**

JIC 37° male / male / female swivel "branch T"

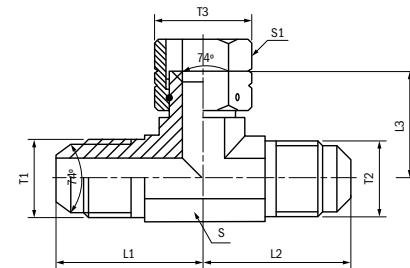


ADAPTOR	THREAD			LENGTH			HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	T3	L1	L2	L3	S	S1	WP
JIC	JIC	JIC	JIC F	mm	mm	mm	mm	mm	bar
4MJ-4MJ-4FJX	7/16"-20	7/16"-20	7/16"-20	22.6	22.6	16.7	11.0	14.0	350
5MJ-5MJ-5FJX	1/2"-20	1/2"-20	1/2"-20	24.1	24.1	17.4	14.0	17.0	350
6MJ-6MJ-6FJX	9/16"-18	9/16"-18	9/16"-18	26.9	26.9	22.2	14.0	19.0	350
8MJ-8MJ-8FJX	3/4"-16	3/4"-16	3/4"-16	31.8	31.8	24.3	19.0	22.0	310
10MJ-10MJ-10FJX	7/8"-14	7/8"-14	7/8"-14	36.8	36.8	28.5	22.0	27.0	240
12MJ-12MJ-12FJX	1.1/16"-12	1.1/16"-12	1.1/16"-12	42.2	42.2	30.2	27.0	32.0	240
16MJ-16MJ-16FJX	1.5/16"-12	1.5/16"-12	1.5/16"-12	46.0	46.0	35.7	33.0	41.0	210



### JIC MJ-MJ-FJX-W/N

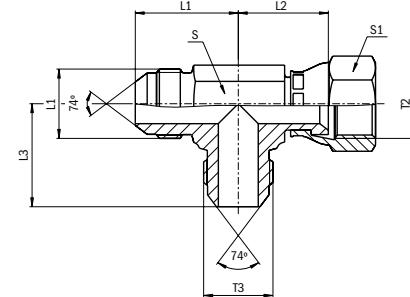
JIC 37° male / male / female swivel with wire-on-nut "branch T"



ADAPTOR	THREAD			LENGTH			HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	T3	L1	L2	L3	S	S1	WP
JIC	JIC	JIC	JIC F	mm	mm	mm	mm	mm	bar
6MJ-6MJ-6FJX-W/N	9/16"-18	9/16"-18	9/16"-18	26.9	26.9	22.2	14.0	19.0	350
8MJ-8MJ-8FJX-W/N	3/4"-16	3/4"-16	3/4"-16	31.8	31.8	24.3	19.0	22.0	310
10MJ-6MJ-10FJX-W/N	7/8"-14	9/16"-18	7/8"-14	36.8	33.5	28.5	22.0	27.0	240
10MJ-10MJ-10FJX-W/N	7/8"-14	7/8"-14	7/8"-14	36.8	36.8	28.5	22.0	27.0	240

### JIC MJ-FJX-MJ

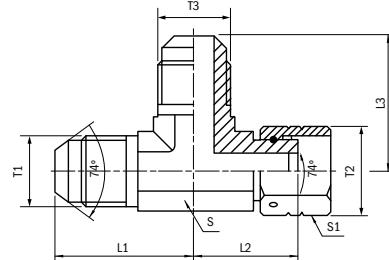
JIC 37° male / female swivel / male "run T"



ADAPTOR	THREAD			LENGTH			HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	T3	L1	L2	L3	S	S1	WP
JIC	JIC	JIC F	JIC	mm	mm	mm	mm	mm	bar
4MJ-4FJX-4MJ	7/16"-20	7/16"-20	7/16"-20	22.6	26.6	22.6	11.0	14.0	350
5MJ-5FJX-5MJ	1/2"-20	1/2"-20	1/2"-20	24.1	17.4	24.1	14.0	17.0	350
6MJ-6FJX-6MJ	9/16"-18	9/16"-18	9/16"-18	26.9	22.2	26.9	14.0	19.0	350
8MJ-8FJX-8MJ	3/4"-16	3/4"-16	3/4"-16	31.8	24.3	31.8	19.0	22.0	310
10MJ-10FJX-10MJ	7/8"-14	7/8"-14	7/8"-14	36.8	28.6	36.8	22.0	27.0	240
12MJ-12FJX-12MJ	1.1/16"-12	1.1/16"-12	1.1/16"-12	42.2	30.2	42.2	27.0	32.0	240
14MJ-14FJX-14MJ	1.3/16"-12	1.3/16"-12	1.3/16"-12	45.7	35.7	45.7	31.0	36.0	210
16MJ-16FJX-16MJ	1.5/16"-12	1.5/16"-12	1.5/16"-12	46.0	35.7	46.0	31.0	41.0	210
20MJ-20FJX-20MJ	1.5/8"-12	1.5/8"-12	1.5/8"-12	52.3	42.8	52.3	41.0	50.0	170

**JIC MJ-FJX-MJ-W/N**

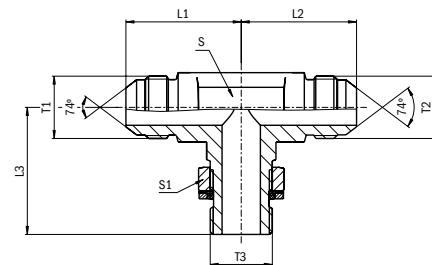
JIC 37° male / female swivel with wire-on nut / male "run T"



ADAPTOR	THREAD			LENGTH			HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	T3	L1	L2	L3	S	S1	WP
JIC	JIC	JIC F	JIC	mm	mm	mm	mm	mm	bar
6MJ-6FJX-6MJ-W/N	9/16"-18	9/16"-18	9/16"-18	26.9	22.2	26.9	14.0	19.0	350
8MJ-8FJX-8MJ-W/N	3/4"-16	3/4"-16	3/4"-16	31.8	24.3	31.8	19.0	22.0	310
10MJ-10FJX-10MJ-W/N	7/8"-14	7/8"-14	7/8"-14	36.8	28.5	36.8	22.0	27.0	240
16MJ-16FJX-16MJ-W/N	1.5/16"-12	1.5/16"-12	1.5/16"-12	46.0	35.7	46.0	33.0	41.0	210

**JIC MJ-MJ-MBSPPACOR**

JIC 37° male / male / adjustable male BSPP with O-Ring and retaining Ring "branch T"

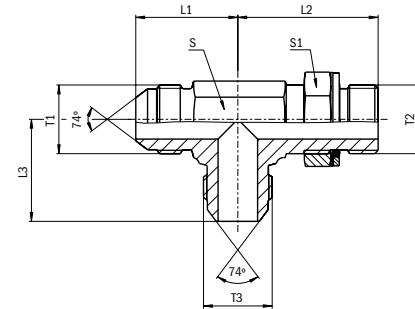


THREAD			LENGTH			HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	T3	L1	L2	L3	S	S1	WP	REF.
JIC	JIC	BSPP	mm	mm	mm	mm	mm	bar	JIC
7/16"-20	7/16"-20	1/8"-28	22.5	22.5	26.0	11.0	14.0	200	4MJ-4MJ-2MBSPPACOR
9/16"-18	9/16"-18	1/4"-19	27.0	27.0	31.8	14.0	19.0	200	6MJ-6MJ-4MBSPPACOR
3/4"-16	3/4"-16	3/8"-19	31.5	31.5	36.5	19.0	22.0	200	8MJ-8MJ-6MBSPPACOR
3/4"-16	3/4"-16	1/2"-14	34.0	34.0	43.0	22.0	27.0	200	8MJ-8MJ-8MBSPPACOR
7/8"-14	7/8"-14	1/2"-14	36.5	36.5	43.0	22.0	27.0	200	10MJ-10MJ-8MBSPPACOR
1.1/16"-12	1.1/16"-12	3/4"-14	42.0	42.0	49.0	27.0	36.0	200	12MJ-12MJ-12MBSPPACOR
1.5/16"-12	1.5/16"-12	1"-11	46.0	46.0	52.0	33.0	41.0	200	16MJ-16MJ-16MBSPPACOR



### JIC MJ-MBSPPACOR-MJ

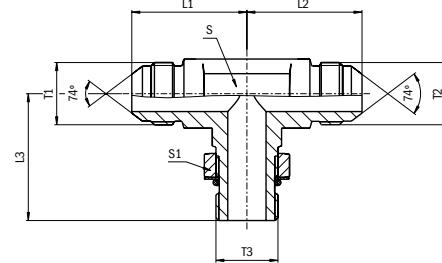
JIC 37° male / adjustable male BSPP with O-Ring and retaining Ring male "run T"



THREAD			LENGTH			HEX/FLATS		WORKING PRESSURE	ADAPTOR
T1	T2	T3	L1	L2	L3	S	S1	WP	REF.
JIC	BSPP	JIC	mm	mm	mm	mm	mm	bar	JIC
7/16"-20	1/8"-28	7/16"-20	22.5	26.0	22.5	11.0	14.0	200	4MJ-2MBSPPACOR-4MJ
9/16"-18	1/4"-19	9/16"-18	27.0	31.5	27.0	14.0	19.0	200	6MJ-4MBSPPACOR-6MJ
3/4"-16	3/8"-19	3/4"-16	31.5	36.5	31.5	19.0	22.0	200	8MJ-6MBSPPACOR-8MJ
7/8"-14	1/2"-14	7/8"-14	36.5	43.0	36.5	22.0	27.0	200	10MJ-8MBSPPACOR-10MJ
1.1/16"-12	3/4"-14	1.1/16"-12	42.0	49.0	42.0	27.0	36.0	200	12MJ-12MBSPPACOR-12MJ
1.5/16"-12	1"-11	1.5/16"-12	46.0	52.0	46.0	33.0	41.0	200	16MJ-16MBSPPACOR-16MJ

### JIC MJ-MJ-MBA

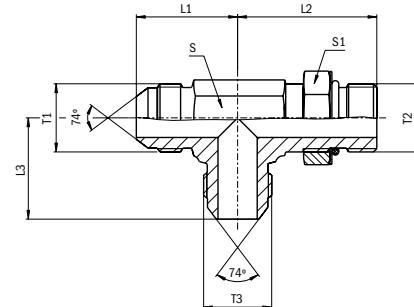
JIC 37° male / male /adjustable male SAE 'o' Ring boss "branch T"



ADAPTOR	THREAD			LENGTH			HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	T3	L1	L2	L3	S	S1	WP
JIC	JIC	JIC	SAE O	mm	mm	mm	mm	mm	bar
4MJ-4MJ-4MBA	7/16"-20	7/16"-20	7/16"-20 UNF	22.6	22.6	26.2	11.0	14.0	315
4MJ-4MJ-6MBA	7/16"-20	7/16"-20	9/16"-18 UNF	26.7	26.7	31.8	14.0	19.0	315
5MJ-5MJ-5MBA	1/2"-20	1/2"-20	1/2"-20 UNF	24.1	24.1	28.7	14.0	17.0	315
6MJ-6MJ-6MBA	9/16"-18	9/16"-18	9/16"-18 UNF	26.9	26.9	31.8	14.0	19.0	315
8MJ-8MJ-8MBA	3/4"-16	3/4"-16	3/4"-16 UNF	31.8	31.8	36.8	19.0	22.0	310
8MJ-8MJ-10MBA	3/4"-16	3/4"-16	7/8"-14 UNF	33.8	33.8	43.2	22.0	27.0	250
10MJ-10MJ-10MBA	7/8"-14	7/8"-14	7/8"-14 UNF	36.8	36.8	43.1	22.0	27.0	240
12MJ-12MJ-12MBA	1.1/16"-12	1.1/16"-12	1.1/16"-12 UN	42.2	42.2	49.3	27.0	32.0	240
16MJ-16MJ-16MBA	1.5/16"-12	1.5/16"-12	1.5/16"-12 UN	46.0	46.0	52.1	33.0	41.0	200

**JIC MJ-MBA-MJ**

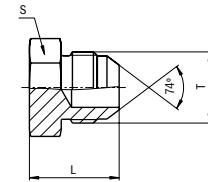
JIC 37° male / adjustable male SAE 'O'  
Ring boss / male "run T"



ADAPTOR	THREAD			LENGTH			HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	T3	L1	L2	L3	S	S1	WP
JIC	JIC	SAE O	JIC	mm	mm	mm	mm	mm	bar
4MJ-4MBA-4MJ	7/16"-20	7/16"-20 UNF	7/16"-20	22.6	26.2	22.6	11.0	14.0	315
5MJ-5MBA-5MJ	1/2"-20	1/2"-20 UNF	1/2"-20	24.1	28.7	24.1	14.0	17.0	315
6MJ-6MBA-6MJ	9/16"-18	9/16"-18 UNF	9/16"-18	26.9	31.8	26.9	14.0	19.0	315
8MJ-8MBA-8MJ	3/4"-16	3/4"-16 UNF	3/4"-16	31.8	36.8	31.8	19.0	22.0	310
10MJ-10MBA-10MJ	7/8"-14	7/8"-14 UNF	7/8"-14	36.8	43.2	36.8	22.0	27.0	240
12MJ-12MBA-8MJ	1.1/16"-12	1.1/16"-12 UN	1.1/16"-12	42.2	49.3	36.8	27.0	32.0	240
12MJ-12MBA-12MJ	1.1/16"-12	1.1/16"-12 UN	1.1/16"-12	42.2	49.3	42.2	27.0	32.0	240
16MJ-16MBA-16MJ	1.5/16"-12	1.5/16"-12 UN	1.5/16"-12	46.0	52.1	46.0	33.0	41.0	200

**JIC MJ-PLUG**

JIC 37° male plug

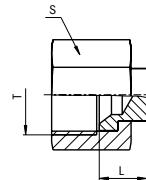


ADAPTOR	THREAD	LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	L	S	WP
JIC	JIC	mm	mm	bar
4MJ-PLUG	7/16"-20	20.3	12.0	350
5MJ-PLUG	1/2"-20	20.3	14.0	350
6MJ-PLUG	9/16"-18	21.3	17.0	350
8MJ-PLUG	3/4"-16	23.9	19.0	310
10MJ-PLUG	7/8"-14	27.9	24.0	240
12MJ-PLUG	1.1/16"-12	32.5	27.0	240
16MJ-PLUG	1.5/16"-12	33.8	36.0	210



## JIC FJ-CAP

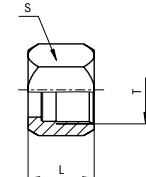
JIC 37° female swivel cap



ADAPTOR	THREAD	LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	L	S	WP
JIC	JIC F	mm	mm	bar
4FJ-CAP	7/16"-20	8.7	14.0	350
5FJ-CAP	1/2"-20	10.3	17.0	350
6FJ-CAP	9/16"-18	11.9	19.0	350
8FJ-CAP	3/4"-16	13.5	22.0	310
10FJ-CAP	7/8"-14	13.5	27.0	240
12FJ-CAP	1 1/16"-12	16.7	32.0	240
16FJ-CAP	1 5/16"-12	15.9	41.0	210

## JIC FJ-NUT

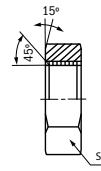
JIC 37° female nut



ADAPTOR	THREAD	LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T	L	S	WP
JIC	JIC F	mm	mm	bar
4FJ-NUT	7/16"-20	15.8	14.0	350
5FJ-NUT	1/2"-20	17.3	17.0	350
6FJ-NUT	9/16"-18	18.5	19.0	350
8FJ-NUT	3/4"-16	21.6	22.0	310
10FJ-NUT	7/8"-14	24.9	27.0	240
12FJ-NUT	1 1/16"-12	26.2	32.0	240
16FJ-NUT	1 5/16"-12	28.7	41.0	210
20FJ-NUT	1 5/8"-12	31.2	50.0	170
24FJ-NUT	1 7/8"-12	36.1	60.0	140

**JIC-LOCKNUT**

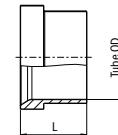
JIC locknut for bulkhead adaptor



ADAPTOR	THREAD	HEX/FLATS
REF.	T1	S
JIC	JIC	mm
6JIC-LOCKNUT	5/16"-18	22.0

**JIC TS METRIC**

JIC 37° tube end sleeve for metric tubes

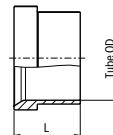


ADAPTOR	THREAD	LENGTH	WORKING PRESSURE
REF.	TUBE OD	L	WP
JIC	Metric	mm	bar
SLEEVE JIC 6TS METRIC	6	10.4	350
SLEEVE JIC 8TS METRIC	8	11.2	350
SLEEVE JIC 10TS METRIC	10	12.7	350
SLEEVE JIC 12TS METRIC	12	14.2	310
SLEEVE JIC 16TS METRIC	16	16.8	240
SLEEVE JIC 20TS METRIC	20	17.3	240
SLEEVE JIC 25TS METRIC	25	19.8	240
SLEEVE JIC 30TS METRIC	30	23.1	170
SLEEVE JIC 38TS METRIC	38	28.4	140



## JIC TS IMPERIAL

JIC 37° tube end sleeve for imperial tubes



ADAPTOR	THREAD	LENGTH	WORKING PRESSURE
REF.	TUBE OD	L	WP
JIC	Metric	mm	bar
SLEEVE JIC TS04 IMPERIAL	4	10.4	350
SLEEVE JIC TS05 IMPERIAL	5	11.2	350
SLEEVE JIC TS06 IMPERIAL	6	12.7	350
SLEEVE JIC TS08 IMPERIAL	8	14.2	310
SLEEVE JIC TS10 IMPERIAL	10	16.8	240
SLEEVE JIC TS12 IMPERIAL	12	17.3	240
SLEEVE JIC TS16 IMPERIAL	16	27.4	210





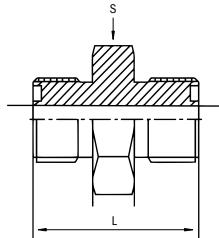
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# ORFS ADAPTORS



**ORFS MFFOR-MFFOR**

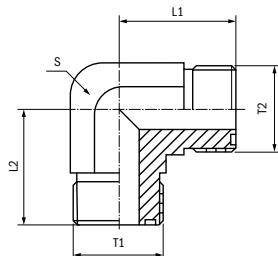
SAE flat face O-Ring male / male



ADAPTOR	THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	T2	L	S	WP
ORFS	ORFS	ORFS	mm	mm	bar
4MFFOR-4MFFOR	9/16"-18	9/16"-18	27.4	17.0	630
6MFFOR-4MFFOR	11/16"-16	9/16"-18	29.7	19.0	630
6MFFOR-6MFFOR	11/16"-16	11/16"-16	31.0	19.0	630
8MFFOR-6MFFOR	13/16"-16	11/16"-16	33.8	22.0	630
8MFFOR-8MFFOR	13/16"-16	13/16"-16	35.5	22.0	630
10MFFOR-8MFFOR	1"-14	13/16"-16	39.9	27.0	400
10MFFOR-10MFFOR	1"-14	1"-14	42.5	27.0	400
12MFFOR-8MFFOR	1.3/16"-12	13/16"-16	43.0	32.0	400
12MFFOR-10MFFOR	1.3/16"-12	1"-14	45.7	32.0	400
12MFFOR-12MFFOR	1.3/16"-12	1.3/16"-12	47.2	32.0	400
16MFFOR-12MFFOR	1.7/16"-12	1.3/16"-12	48.8	41.0	400
16MFFOR-16MFFOR	1.7/16"-12	1.7/16"-12	49.3	41.0	400
20MFFOR-16MFFOR	1.11/16"-12	1.7/16"-12	51.3	46.0	250
20MFFOR-20MFFOR	1.11/16"-12	1.11/16"-12	51.3	46.0	250
24MFFOR-24MFFOR	2"-12	2"-12	53.0	55.0	250

**ORFS MFFOR-MFFOR90**

SAE flat face O-Ring male / male 90° elbow

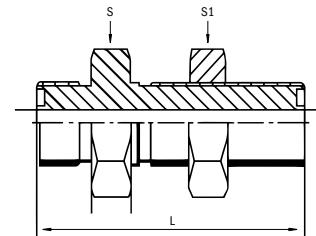


ADAPTOR	THREAD		LENGTH		HEX/FLATS	WORKING PRESSURE
REF.	T1	T2	L1	L2	S	WP
ORFS	ORFS	ORFS	mm	mm	mm	bar
4MFFOR-4MFFOR90	9/16"-18	9/16"-18	21.6	21.6	14.0	630
6MFFOR-6MFFOR90	11/16"-16	11/16"-16	24.9	24.9	19.0	630
8MFFOR-8MFFOR90	13/16"-16	13/16"-16	28.0	28.0	19.0	630
10MFFOR-10MFFOR90	1"-14	1"-14	33.3	33.3	27.0	400
12MFFOR-12MFFOR90	1.3/16"-12	13/16"-16	37.5	37.5	30.0	400
16MFFOR-16MFFOR90	1.7/16"-12	1.7/16"-12	41.7	41.7	36.0	400
20MFFOR-20MFFOR90	1.11/16"-12	1.11/16"-12	44.7	44.7	41.0	250
24MFFOR-24MFFOR90	2"-12	2"-12	48.8	48.8	50.0	250



## ORFS MFFOR-MFFORBKHD

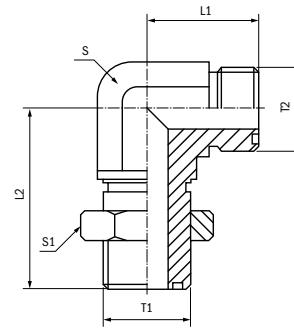
SAE flat face O-Ring male / male straight bulkhead



ADAPTOR	THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	T2	L	S & S1	WP
ORFS	ORFS	ORFS	mm	mm	bar
4MFFOR-4MFFORBKHD	9/16"-18	9/16"-18	48.3	22.0	630
6MFFOR-6MFFORBKHD	11/16"-16	11/16"-16	53.1	27.0	630
8MFFOR-8MFFORBKHD	13/16"-16	13/16"-16	58.4	30.0	630
10MFFOR-10MFFORBKHD	1"-14	1"-14	66.6	36.0	400
12MFFOR-12MFFORBKHD	1.3/16"-12	1.3/16"-12	69.1	41.0	400
16MFFOR-16MFFORBKHD	1.7/16"-12	1.7/16"-12	70.1	46.0	400
20MFFOR-20MFFORBKHD	1.11/16"-12	1.11/16"-12	70.1	50.0	250
24MFFOR-24MFFORBKHD	2"-12	2"-12	70.1	60.0	250

## ORFS MFFOR-MFFORBKHD90

SAE flat face O-Ring male / male bulkhead 90° union elbow with lock nut

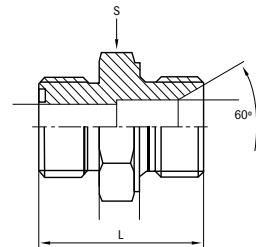


ADAPTOR	THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	L1	L2	S	S1	WP
ORFS	ORFS	ORFS	mm	mm	mm	mm	bar
4MFFOR-4MFFORBKHD90	9/16"-18	9/16"-18	22.6	47.0	14.0	22.0	630
6MFFOR-6MFFORBKHD90	11/16"-16	11/16"-16	26.0	52.0	19.0	27.0	630
8MFFOR-8MFFORBKHD90	13/16"-16	13/16"-16	29.0	55.4	19.0	30.0	630
10MFFOR-10MFFORBKHD90	1"-14	1"-14	34.5	63.0	27.0	36.0	400
12MFFOR-12MFFORBKHD90	1.3/16"-12	1.3/16"-12	38.5	67.2	30.0	41.0	400
16MFFOR-16MFFORBKHD90	1.7/16"-12	1.7/16"-12	42.4	71.1	36.0	46.0	400
20MFFOR-20MFFORBKHD90	1.11/16"-12	1.11/16"-12	45.5	75.4	41.0	50.0	250
24MFFOR-24MFFORBKHD90	2"-12	2"-12	49.5	79.5	48.0	60.0	250



## ORFS MFFOR-MBSPP

SAE flat face O-Ring male / male BSPP 60°

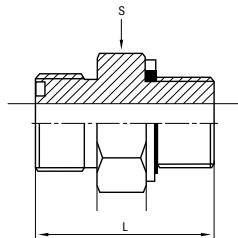


ADAPTOR	THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	T2	L	S	WP
ORFS	ORFS	BSPP	mm	mm	bar
4MFFOR-2MBSPP	9/16"-18	1/8"-28	24.5	17.0	350
4MFFOR-4MBSPP	9/16"-18	1/4"-19	29.0	19.0	350
4MFFOR-6MBSPP	9/16"-18	3/8"-19	29.5	22.0	350
4MFFOR-8MBSPP	9/16"-18	1/2"-14	31.8	27.0	315
6MFFOR-2MBSPP	11/16"-16	1/8"-28	28.0	19.0	350
6MFFOR-4MBSPP	11/16"-16	1/4"-19	30.0	19.0	350
6MFFOR-6MBSPP	11/16"-16	3/8"-19	32.0	22.0	350
6MFFOR-8MBSPP	11/16"-16	1/2"-14	35.0	27.0	315
6MFFOR-12MBSPP	11/16"-16	3/4"-14	39.0	32.0	250
8MFFOR-4MBSPP	13/16"-16	1/4"-19	32.5	22.0	350
8MFFOR-6MBSPP	13/16"-16	3/8"-19	32.5	22.0	350
8MFFOR-8MBSPP	13/16"-16	1/2"-14	36.5	27.0	315
8MFFOR-12MBSPP	13/16"-16	3/4"-14	40.5	32.0	250
10MFFOR-6MBSPP	1"-14	3/8"-19	36.0	27.0	350
10MFFOR-8MBSPP	1"-14	1/2"-14	37.8	27.0	315
10MFFOR-10MBSPP	1"-14	5/8"-14	43.5	30.0	315
10MFFOR-12MBSPP	1"-14	3/4"-14	41.0	32.0	250
10MFFOR-16MBSPP	1"-14	1"-11	49.0	41.0	200
12MFFOR-8MBSPP	1.3/16"-12	1/2"-14	44.0	32.0	315
12MFFOR-10MBSPP	1.3/16"-12	5/8"-14	45.0	32.0	315
12MFFOR-12MBSPP	1.3/16"-12	3/4"-14	45.0	32.0	250
12MFFOR-16MBSPP	1.3/16"-12	1"-11	47.0	41.0	200
12MFFOR-20MBSPP	1.3/16"-12	1.1/4"-11	54.0	50.0	160
16MFFOR-12MBSPP	1.7/16"-12	3/4"-14	44.5	41.0	250
16MFFOR-16MBSPP	1.7/16"-12	1"-11	50.0	41.0	200
16MFFOR-20MBSPP	1.7/16"-12	1.1/4"-11	54.0	50.0	160
16MFFOR-24MBSPP	1.7/16"-12	1.1/2"-11	54.5	55.0	125
20MFFOR-16MBSPP	1.11/16"-12	1"-11	50.0	46.0	200
20MFFOR-20MBSPP	1.11/16"-12	1.1/4"-11	52.0	50.0	160
20MFFOR-24MBSPP	1.11/16"-12	1.1/2"-11	54.5	55.0	125
24MFFOR-24MBSPP	2"-12	1-1/2"-11	54.5	55.0	125



## ORFS MFFOR-MBSPPCOR

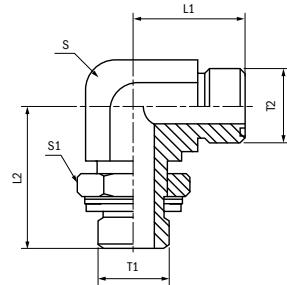
SAE flat face O-Ring male / male BSPP with O-Ring and retaining Ring



ADAPTOR	THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	T2	L	S	WP
ORFS	ORFS	BSPP	mm	mm	bar
4MFFOR-2MBSPPCOR	9/16"-18	1/8"-28	25.0	17.0	200
4MFFOR-4MBSPPCOR	9/16"-18	1/4"-19	30.0	19.0	200
4MFFOR-6MBSPPCOR	9/16"-18	3/8"-19	31.0	22.0	200
4MFFOR-8MBSPPCOR	9/16"-18	1/2"-14	34.5	30.0	200
6MFFOR-2MBSPPCOR	11/16"-16	1/8"-28	28.5	19.0	630
6MFFOR-4MBSPPCOR	11/16"-16	1/4"-19	31.5	19.0	200
6MFFOR-6MBSPPCOR	11/16"-16	3/8"-19	32.5	22.0	200
6MFFOR-8MBSPPCOR	11/16"-16	1/2"-14	36.0	30.0	200
6MFFOR-12MBSPPCOR	11/16"-16	3/4"-14	36.5	36.0	400
8MFFOR-4MBSPPCOR	13/16"-16	1/4"-19	33.5	22.0	200
8MFFOR-6MBSPPCOR	13/16"-16	3/8"-19	33.5	22.0	200
8MFFOR-8MBSPPCOR	13/16"-16	1/2"-14	37.0	30.0	200
8MFFOR-12MBSPPCOR	13/16"-16	3/4"-14	38.0	36.0	200
10MFFOR-6MBSPPCOR	1"-14	3/8"-19	37.0	27.0	200
10MFFOR-8MBSPPCOR	1"-14	1/2"-14	39.5	30.0	200
10MFFOR-10MBSPPCOR	1"-14	5/8"-14	41.5	32.0	200
10MFFOR-12MBSPPCOR	1"-14	3/4"-14	43.5	36.0	200
10MFFOR-16MBSPPCOR	1"-14	1"-11	46.0	41.0	400
12MFFOR-8MBSPPCOR	1.3/16"-12	1/2"-14	44.0	32.0	200
12MFFOR-12MBSPPCOR	1.3/16"-12	3/4"-14	45.0	36.0	200
12MFFOR-16MBSPPCOR	1.3/16"-12	1"-11	47.5	41.0	200
12MFFOR-20MBSPPCOR	1.3/16"-12	1.1/4"-11	51.0	50.0	250
16MFFOR-12MBSPPCOR	1.7/16"-12	3/4"-14	43.0	36.0	200
16MFFOR-16MBSPPCOR	1.7/16"-12	1"-11	48.0	46.0	200
16MFFOR-20MBSPPCOR	1.7/16"-12	1.1/4"-11	51.5	50.0	160
16MFFOR-24MBSPPCOR	1.7/16"-12	1.1/2"-11	50.0	55.0	250
20MFFOR-16MBSPPCOR	1.11/16"-12	1"-11	51.5	50.0	200
20MFFOR-20MBSPPCOR	1.11/16"-12	1.1/4"-11	51.5	50.0	160
20MFFOR-24MBSPPCOR	1.11/16"-12	1.1/2"-11	50.0	55.0	250
24MFFOR-24MBSPPCOR	2"-12	1.1/2"-11	50.0	55.0	160

**ORFS MFFOR-MBSPPACOR90**

SAE flat face O-Ring male / male BSPP 90° elbow with O-Ring and retaining Ring

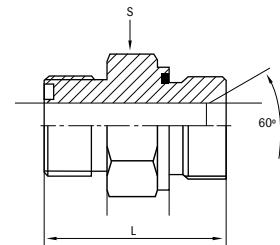


ADAPTOR	THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	
	REF.	T1	T2	L1	L2	S	S1	
ORFS	ORFS	ORFS	BSPP	mm	mm	mm	mm	bar
4MFFOR-2MBSPACOR90	9/16"-18	1/8"-28	21.5	30.0	14.0	14.0	200	
4MFFOR-4MBSPACOR90	9/16"-18	1/4"-19	23.5	35.0	14.0	19.0	200	
4MFFOR-6MBSPACOR90	9/16"-18	3/8"-19	25.0	38.0	19.0	22.0	200	
6MFFOR-4MBSPACOR90	11/16"-16	1/4"-19	25.0	36.0	19.0	19.0	200	
6MFFOR-6MBSPACOR90	11/16"-16	3/8"-19	26.5	38.0	19.0	22.0	200	
6MFFOR-8MBSPACOR90	11/16"-16	1/2"-14	29.5	48.0	22.0	27.0	200	
8MFFOR-4MBSPACOR90	13/16"-16	1/4"-19	28.0	35.0	19.0	19.0	200	
8MFFOR-6MBSPACOR90	13/16"-16	3/8"-19	28.0	36.5	19.0	22.0	200	
8MFFOR-8MBSPACOR90	13/16"-16	1/2"-14	31.0	48.0	27.0	27.0	200	
8MFFOR-12MBSPACOR90	13/16"-16	3/4"-14	30.7	49.0	27.0	36.0	200	
10MFFOR-6MBSPACOR90	1"-14	3/8"-19	35.5	43.0	27.0	22.0	200	
10MFFOR-8MBSPACOR90	1"-14	1/2"-14	33.5	48.0	27.0	27.0	200	
10MFFOR-12MBSPACOR90	1"-14	3/4"-14	36.0	51.5	30.0	36.0	200	
10MFFOR-16MBSPACOR90	1"-14	1"-11	41.2	58.0	36.0	41.0	200	
12MFFOR-8MBSPACOR90	1.3/16"-12	1/2"-14	37.5	49.0	30.0	27.0	200	
12MFFOR-12MBSPACOR90	1.3/16"-12	3/4"-14	37.5	51.5	30.0	36.0	200	
12MFFOR-16MBSPACOR90	1.3/16"-12	1"-11	41.5	58.0	36.0	41.0	200	
16MFFOR-12MBSPACOR90	1.7/16"-12	3/4"-14	42.0	57.5	36.0	36.0	200	
16MFFOR-16MBSPACOR90	1.7/16"-12	1"-11	42.0	58.0	36.0	41.0	200	
16MFFOR-20MBSPACOR90	1.7/16"-12	1.1/4"-11	44.5	60.5	41.0	50.0	160	
20MFFOR-16MBSPACOR90	1.11/16"-12	1"-11	44.7	60.5	41.0	41.0	200	
20MFFOR-20MBSPACOR90	1.11/16"-12	1.1/4"-11	44.7	60.5	41.0	50.0	160	
20MFFOR-24MBSPACOR90	1.11/16"-12	1.1/2"-11	49.0	64.5	48.0	55.0	160	
24MFFOR-24MBSPACOR90	2"-12	1.1/2"-11	49.0	64.5	48.0	55.0	160	



## ORFS MFFOR-MBSPPWD

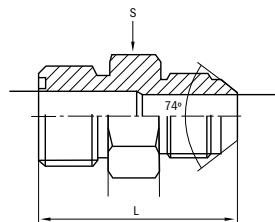
SAE flat face O-Ring male / male BSPP with captive seal



ADAPTOR	THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	T2	L	S	WP
ORFS	ORFS	BSPP	mm	mm	bar
4MFFOR-2MBSPPWD	9/16"-18	1/8"-28	26.0	17.0	630
4MFFOR-4MBSPPWD	9/16"-18	1/4"-19	31.0	19.0	630
4MFFOR-6MBSPPWD	9/16"-18	3/8"-19	31.8	22.0	630
4MFFOR-8MBSPPWD	9/16"-18	1/2"-14	38.0	27.0	400
6MFFOR-2MBSPPWD	11/16"-16	1/8"-28	28.0	19.0	630
6MFFOR-4MBSPPWD	11/16"-16	1/4"-19	32.5	19.0	630
6MFFOR-6MBSPPWD	11/16"-16	3/8"-19	33.5	22.0	630
6MFFOR-8MBSPPWD	11/16"-16	1/2"-14	38.5	27.0	400
6MFFOR-12MBSPPWD	11/16"-16	3/4"-14	40.5	32.0	400
8MFFOR-4MBSPPWD	13/16"-16	1/4"-19	34.5	22.0	630
8MFFOR-6MBSPPWD	13/16"-16	3/8"-19	35.3	22.0	630
8MFFOR-8MBSPPWD	13/16"-16	1/2"-14	39.0	27.0	400
8MFFOR-12MBSPPWD	13/16"-16	3/4"-14	41.8	32.0	400
10MFFOR-6MBSPPWD	1"-14	3/8"-19	38.5	27.0	400
10MFFOR-8MBSPPWD	1"-14	1/2"-14	41.0	27.0	400
10MFFOR-10MBSPPWD	1"-14	5/8"-14	41.5	30.0	400
10MFFOR-12MBSPPWD	1"-14	3/4"-14	45.0	32.0	400
10MFFOR-16MBSPPWD	1"-14	1"-11	47.5	41.0	400
12MFFOR-8MBSPPWD	1.3/16"-12	1/2"-14	44.5	32.0	400
12MFFOR-12MBSPPWD	1.3/16"-12	3/4"-14	46.5	32.0	400
12MFFOR-16MBSPPWD	1.3/16"-12	1"-11	49.0	41.0	400
12MFFOR-20MBSPPWD	1.3/16"-12	1.1/4"-11	53.5	50.0	250
16MFFOR-12MBSPPWD	1.7/16"-12	3/4"-14	47.5	41.0	400
16MFFOR-16MBSPPWD	1.7/16"-12	1"-11	50.0	41.0	400
16MFFOR-20MBSPPWD	1.7/16"-12	1.1/4"-11	53.5	50.0	250
16MFFOR-24MBSPPWD	1.7/16"-12	1.1/2"-11	58.0	55.0	250
20MFFOR-16MBSPPWD	1.11/16"-12	1"-11	52.0	46.0	250
20MFFOR-20MBSPPWD	1.11/16"-12	1.1/4"-11	55.5	50.0	250
20MFFOR-24MBSPPWD	1.11/16"-12	1.1/2"-11	57.6	55.0	250
24MFFOR-24MBSPPWD	2"-12	1.1/2"-11	57.6	55.0	250

**ORFS MFFOR-MJ**

SAE flat face O-Ring male / male JIC 37°

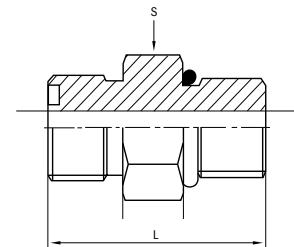


ADAPTOR	THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	T2	L	S	WP
ORFS	ORFS	JIC	mm	mm	bar
4MFFOR-4MJ	9/16"-18	7/16"-20	31.7	17.0	350
6MFFOR-6MJ	11/16"-16	9/16"-18	34.0	19.0	350
8MFFOR-8MJ	13/16"-16	3/4"-16	39.4	22.0	310
10MFFOR-10MJ	1"-14	7/8"-14	46.5	27.0	240
12MFFOR-12MJ	1 3/16"-12	1 1/16"-12	52.1	32.0	240
16MFFOR-16MJ	1 7/16"-12	1 5/16"-12	54.9	41.0	210
20MFFOR-20MJ	1 11/16"-12	1 5/8"-12	58.2	46.0	170
24MFFOR-24MJ	2"-12	1 7/8"-12	63.0	55.0	140



## ORFS MFFOR-MB

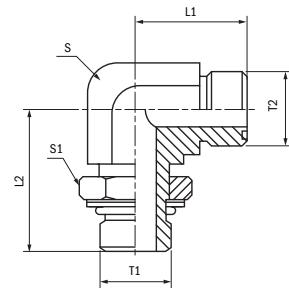
SAE flat face O-Ring male /  
male SAE 'O' Ring boss



ADAPTOR	THREAD		LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	T2	L	S	WP
ORFS	ORFS	SAE O	mm	mm	bar
4MFFOR-4MB	7/16"-18	7/16"-20 UNF	28.8	17.0	630
4MFFOR-5MB	5/16"-18	1/2"-20 UNF	29.0	17.0	630
4MFFOR-6MB	7/16"-18	7/16"-18 UNF	30.5	19.0	630
4MFFOR-8MB	7/16"-18	3/4"-16 UNF	33.5	22.0	630
6MFFOR-4MB	1 1/16"-16	7/16"-20 UNF	34.1	19.0	630
6MFFOR-5MB	1 1/16"-16	1/2"-20 UNF	30.8	19.0	630
6MFFOR-6MB	1 1/16"-16	7/16"-18 UNF	32.0	19.0	630
6MFFOR-8MB	1 1/16"-16	3/4"-16 UNF	35.1	22.0	630
6MFFOR-10MB	1 1/16"-16	7/8"-14 UNF	38.8	27.0	630
6MFFOR-12MB	1 1/16"-16	1 1/16"-12 UN	42.8	32.0	400
8MFFOR-6MB	13/16"-16	7/16"-18 UNF	37.4	22.0	400
8MFFOR-8MB	13/16"-16	3/4"-16 UNF	36.6	22.0	400
8MFFOR-10MB	13/16"-16	7/8"-14 UNF	40.5	27.0	400
8MFFOR-12MB	13/16"-16	1 1/16"-12 UN	45.4	32.0	400
8MFFOR-16MB	13/16"-16	1 5/16"-12 UN	45.6	41.0	400
10MFFOR-8MB	1"-14	3/4"-16 UNF	45.2	27.0	400
10MFFOR-10MB	1"-14	7/8"-14 UNF	43.0	27.0	400
10MFFOR-12MB	1"-14	1 1/16"-12 UN	47.2	32.0	400
12MFFOR-8MB	1 3/16"-12	3/4"-16 UNF	48.5	32.0	400
12MFFOR-10MB	1 3/16"-12	7/8"-14 UNF	50.6	32.0	400
12MFFOR-12MB	1 3/16"-12	1 1/16"-12 UN	48.6	32.0	400
12MFFOR-16MB	1 3/16"-12	1 5/16"-12 UN	49.5	41.0	400
16MFFOR-12MB	1 7/16"-12	1 1/16"-12 UN	54.4	41.0	400
16MFFOR-16MB	1 7/16"-12	1 5/16"-12 UN	50.3	41.0	400
16MFFOR-20MB	1 7/16"-12	1 5/8"-12 UN	52.5	50.0	250
20MFFOR-16MB	1 11/16"-12	1 5/16"-12 UN	57.9	46.0	250
20MFFOR-20MB	1 11/16"-12	1 5/8"-12 UN	52.5	50.0	250
20MFFOR-24MB	1 11/16"-12	1 7/8"-12 UN	54.0	55.0	250
24MFFOR-20MB	2"-12	1 5/8"-12 UN	59.6	55.0	250
24MFFOR-24MB	2"-12	1 7/8"-12 UN	54.1	55.0	250
24MFFOR-32MB	2"-12	2 1/2"-12 UN	54.2	70.0	125

**ORFS MFFOR-MBA90**

SAE flat face O-Ring male /  
male SAE 'O' Ring boss 90° elbow

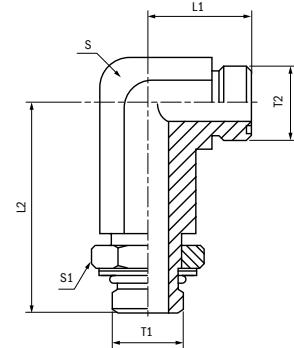


ADAPTOR	THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	
	REF.	T1	T2	L1	L2	S	S1	WP
ORFS	ORFS		SAE O	mm	mm	mm	mm	bar
4MFFOR-4MBA90	7/16"-18	7/16"-20 UNF		21.5	32.7	14.0	17.0	630
4MFFOR-6MBA90	7/16"-18	7/16"-18 UNF		23.4	36.8	19.0	19.0	630
4MFFOR-8MBA90	7/16"-18	3/4"-16 UNF		24.6	40.6	19.0	24.0	630
6MFFOR-4MBA90	11/16"-16	7/16"-20 UNF		25.0	35.0	19.0	17.0	630
6MFFOR-6MBA90	11/16"-16	7/16"-18 UNF		24.9	36.8	19.0	19.0	630
6MFFOR-8MBA90	11/16"-16	3/4"-16 UNF		26.5	40.6	19.0	24.0	630
6MFFOR-10MBA90	11/16"-16	7/8"-14 UNF		30.0	50.0	27.0	27.0	630
6MFFOR-12MBA90	11/16"-16	1 1/16"-12 UN		31.8	55.1	30.0	36.0	400
8MFFOR-6MBA90	13/16"-16	7/16"-18 UNF		28.0	36.6	19.0	19.0	630
8MFFOR-8MBA90	13/16"-16	3/4"-16 UNF		28.0	40.6	19.0	24.0	630
8MFFOR-10MBA90	13/16"-16	7/8"-14 UNF		31.5	50.0	27.0	27.0	630
8MFFOR-12MBA90	13/16"-16	1 1/16"-12 UN		34.0	55.0	30.0	36.0	400
10MFFOR-8MBA90	1"-14	3/4"-16 UNF		33.5	46.0	27.0	24.0	400
10MFFOR-10MBA90	1"-14	7/8"-14 UNF		33.3	50.0	27.0	27.0	400
10MFFOR-12MBA90	1"-14	1 1/16"-12 UN		35.8	55.1	30.0	36.0	400
12MFFOR-8MBA90	1.3/16"-12	3/4"-16 UNF		37.5	46.5	30.0	24.0	400
12MFFOR-10MBA90	1.3/16"-12	7/8"-14 UNF		37.5	50.9	30.0	27.0	400
12MFFOR-12MBA90	1.3/16"-12	1 1/16"-12 UN		37.5	55.0	30.0	36.0	400
12MFFOR-16MBA90	1.3/16"-12	1 5/16"-12 UN		41.0	59.7	36.0	41.0	400
16MFFOR-12MBA90	1.7/16"-12	1 1/16"-12 UN		41.7	58.9	36.0	36.0	400
16MFFOR-16MBA90	1.7/16"-12	1 5/16"-12 UN		41.7	59.7	36.0	41.0	400
16MFFOR-20MBA90	1.7/16"-12	1 5/8"-12 UN		44.7	62.2	41.0	50.0	250
20MFFOR-16MBA90	1.11/16"-12	1 5/16"-12 UN		44.7	62.2	41.0	41.0	250
20MFFOR-20MBA90	1.11/16"-12	1 5/8"-12 UN		44.5	62.0	41.0	50.0	250
20MFFOR-24MBA90	1.11/16"-12	1 7/8"-12 UN		48.8	65.8	50.0	55.0	200
24MFFOR-20MBA90	2"-12	1 5/8"-12 UN		49.0	66.0	50.0	50.0	250
24MFFOR-24MBA90	2"-12	1 7/8"-12 UN		49.0	66.0	50.0	55.0	250



### ORFS MFFOR-MBA90 LONG

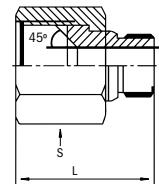
SAE flat face O-Ring male / male SAE 'O'  
Ring boss 90° elbow long version



ADAPTOR	THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE	
	REF.	T1	T2	L1	L2	S	S1	WP
ORFS	ORFS	ORFS	SAE O	mm	mm	mm	mm	bar
4MFFOR-4MBA90 LONG	9/16"-18	7/16"-20 UNF		21.6	56.6	14.0	17.0	630
4MFFOR-6MBA90 LONG	9/16"-18	9/16"-18 UNF		23.4	66.3	19.0	19.0	630
6MFFOR-6MBA90 LONG	11/16"-16	9/16"-18 UNF		25.0	66.3	19.0	19.0	630
6MFFOR-8MBA90 LONG	11/16"-16	3/4"-16 UNF		26.4	74.9	19.0	24.0	630
8MFFOR-8MBA90 LONG	13/16"-16	3/4"-16 UNF		28.0	74.9	19.0	24.0	630
8MFFOR-10MBA90 LONG	13/16"-16	7/8"-14 UNF		30.7	89.2	27.0	27.0	400
10MFFOR-10MBA90 LONG	1"-14	7/8"-14 UNF		33.3	89.2	27.0	27.0	400
10MFFOR-12MBA90 LONG	1"-14	1 1/16"-12 UN		35.8	100.8	30.0	36.0	400
12MFFOR-12MBA90 LONG	1 3/16"-12	1 1/16"-12 UN		37.3	100.8	30.0	36.0	400
12MFFOR-16MBA90 LONG	1 3/16"-12	1 5/16"-12 UN		41.2	114.6	36.0	41.0	400
16MFFOR-16MBA90 LONG	1 7/16"-12	1 5/16"-12 UN		41.7	114.6	36.0	41.0	400
16MFFOR-20MBA90 LONG	1 7/16"-12	1 5/8"-12 UN		44.7	126.5	41.0	50.0	250
20MFFOR-20MBA90 LONG	1 11/16"-12	1 5/8"-12 UN		44.7	126.5	41.0	50.0	250
24MFFOR-24MBA90 LONG	2"-12	1 7/8"-12 UN		48.8	139.2	48.0	55.0	250

**ORFS MFFOR-FFORX**

SAE flat face O-Ring female swivel / male

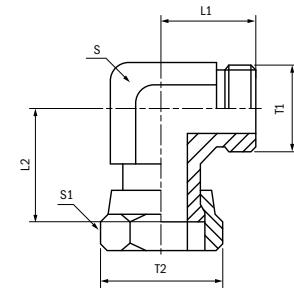


<b>ADAPTOR</b>	<b>THREAD</b>		<b>LENGTH</b>	<b>HEX/FLATS</b>	<b>WORKING PRESSURE</b>
<b>REF.</b>	<b>T1</b>	<b>T2</b>	<b>L</b>	<b>S</b>	<b>WP</b>
ORFS	ORFS F	ORFS	mm	mm	bar
4MFFOR-4FFORX	9/16"-18	9/16"-18	18.6	17.0	630
4MFFOR-6FFORX	11/16"-16	9/16"-18	19.6	22.0	630
4MFFOR-8FFORX	13/16"-16	9/16"-18	21.8	24.0	630
4MFFOR-10FFORX	1"-14	9/16"-18	22.9	30.0	400
4MFFOR-12FFORX	1.3/16"-12	9/16"-18	24.9	36.0	400
6MFFOR-4FFORX	9/16"-18	11/16"-16	17.8	17.0	630
6MFFOR-6FFORX	11/16"-16	11/16"-16	20.5	22.0	630
6MFFOR-8FFORX	13/16"-16	11/16"-16	22.4	24.0	630
6MFFOR-10FFORX	1"-14	13/16"-16	24.2	30.0	400
6MFFOR-12FFORX	1.3/16"-12	11/16"-16	26.2	36.0	400
6MFFOR-16FFORX	1.7/16"-12	11/16"-16	27.6	41.0	400
8MFFOR-10FFORX	1"-14	13/16"-16	25.7	30.0	400
8MFFOR-12FFORX	1.3/16"-12	13/16"-16	27.7	36.0	400
8MFFOR-16FFORX	1.7/16"-12	13/16"-16	29.2	41.0	400
10MFFOR-12FFORX	1.3/16"-12	1"-14	30.4	36.0	400
10MFFOR-16FFORX	1.7/16"-12	1"-14	31.9	41.0	400
12MFFOR-16FFORX	1.7/16"-12	1.3/16"-12	33.0	41.0	400
12MFFOR-20FFORX	1.11/16"-12	1.3/16"-12	33.5	50.0	250
16MFFOR-20FFORX	1.11/16"-12	1.7/16"-12	38.5	50.0	250
16MFFOR-24FFORX	2"-12	1.7/16"-12	34.0	60.0	250
20MFFOR-24FFORX	2"-12	1.11/16"-12	34.0	60.0	250



## ORFS MFFOR-FFORX90

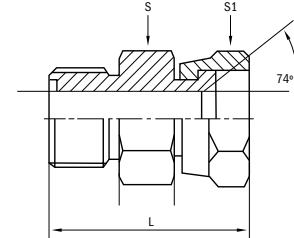
SAE flat face O-Ring male / female swivel 90° elbow



ADAPTOR	THREAD		LENGTH		HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	L1	L2	S	S1	WP
ORFS	ORFS	ORFS F	mm	mm	mm	mm	bar
4MFFOR-4FFORX90	9/16"-18	9/16"-18	21.6	26.4	14.0	17.0	630
6MFFOR-6FFORX90	11/16"-16	11/16"-16	24.9	29.2	19.0	22.0	630
8MFFOR-8FFORX90	13/16"-16	13/16"-16	28.0	38.0	19.0	24.0	630
10MFFOR-10FFORX90	1"-14	1"-14	33.3	41.2	27.0	30.0	400
12MFFOR-12FFORX90	1.3/16"-12	1.3/16"-12	37.5	46.5	30.0	36.0	400
16MFFOR-16FFORX90	1.7/16"-12	1.7/16"-12	41.7	53.3	36.0	41.0	400
20MFFOR-20FFORX90	1.11/16"-12	1.11/16"-12	44.7	58.2	41.0	50.0	250
24MFFOR-24FFORX90	2"-12	2"-12	48.8	61.2	48.0	60.0	250

## ORFS MFFOR-FJX

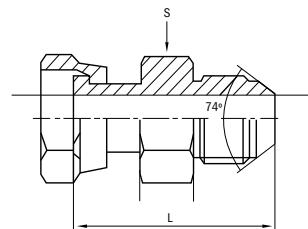
SAE flat face O-Ring male / female swivel JIC 37°



ADAPTOR	THREAD		LENGTH	HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	L	S	S1	WP
ORFS	ORFS	JIC F	mm	mm	mm	bar
4MFFOR-4FJX	9/16"-18	7/16"-20	25.7	17.0	14.0	350
6MFFOR-6FJX	11/16"-16	9/16"-18	30.2	19.0	19.0	350
8MFFOR-8FJX	13/16"-16	3/4"-16	34.2	22.0	22.0	310
10MFFOR-10FJX	1"-14	7/8"-14	38.0	27.0	27.0	240
12MFFOR-12FJX	1.3/16"-12	1.1/16"-12	43.4	32.0	32.0	240
16MFFOR-16FJX	1.7/16"-12	1.5/16"-12	47.4	41.0	41.0	210
20MFFOR-20FJX	1.11/16"-12	1.5/8"-12	50.0	46.0	50.0	170
24MFFOR-24FJX	2"-12	1.7/8"-12	52.0	55.0	60.0	140

**ORFS FFORX-MJ**

SAE flat face O-Ring female swivel / male JIC 37°

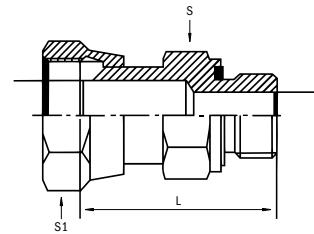


ADAPTOR	THREAD		LENGTH	HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	L	S	S1	WP
ORFS	ORFS F	JIC	mm	mm	mm	bar
4FFORX-4MJ	9/16"-18	7/16"-20	40.1	17.0	17.0	350
6FFORX-6MJ	11/16"-16	9/16"-18	42.0	19.0	22.0	350
8FFORX-8MJ	13/16"-16	3/4"-16	48.3	22.0	24.0	310
10FFORX-10MJ	1"-14	7/8"-14	57.1	27.0	30.0	240
12FFORX-12MJ	1 3/16"-12	1 1/16"-12	63.5	32.0	36.0	240
16FFORX-16MJ	1 7/16"-12	1 5/16"-12	67.3	41.0	41.0	210
20FFORX-20MJ	1 11/16"-12	1 5/8"-12	73.4	50.0	50.0	170
24FFORX-24MJ	2"-12	1 7/8"-12	71.0	50.0	60.0	140



## ORFS FFORX-MBSPPWD

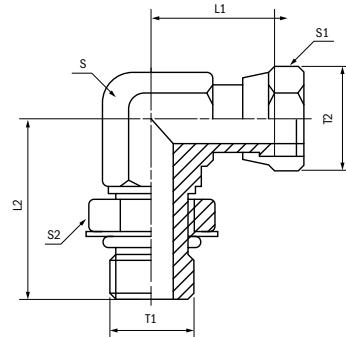
SAE flat face O-Ring female swivel /  
male BSPP with captive seal



ADAPTOR	THREAD		LENGTH mm	HEX/FLATS		WORKING PRESSURE bar
	REF.	T1	T2	S mm	S1 mm	
ORFS	ORFS F		BSPP			
4FFORX-2MBSPPWD	9/16"-18		1/8"-28	34.0	14.0	17.0
4FFORX-4MBSPPWD	9/16"-18		1/4"-19	38.0	19.0	17.0
4FFORX-6MBSPPWD	9/16"-18		3/8"-19	37.8	22.0	17.0
6FFORX-4MBSPPWD	11/16"-16		1/4"-19	40.0	19.0	22.0
6FFORX-6MBSPPWD	11/16"-16		3/8"-19	40.0	22.0	22.0
6FFORX-8MBSPPWD	11/16"-16		1/2"-14	46.0	27.0	22.0
8FFORX-4MBSPPWD	13/16"-16		1/4"-19	47.0	22.0	24.0
8FFORX-6MBSPPWD	13/16"-16		3/8"-19	47.0	22.0	24.0
8FFORX-8MBSPPWD	13/16"-16		1/2"-14	49.0	27.0	24.0
8FFORX-12MBSPPWD	13/16"-16		3/4"-14	51.0	32.0	24.0
10FFORX-10MBSPPWD	1"-14		5/8"-14	52.0	30.0	30.0
10FFORX-12MBSPPWD	1"-14		3/4"-14	54.0	32.0	30.0
12FFORX-8MBSPPWD	1.3/16"-12		1/2"-14	55.0	30.0	36.0
12FFORX-12MBSPPWD	1.3/16"-12		3/4"-14	57.0	32.0	36.0
16FFORX-12MBSPPWD	1.7/16"-12		3/4"-14	66.0	36.0	41.0
16FFORX-16MBSPPWD	1.7/16"-12		1"-11	67.0	41.0	41.0
20FFORX-16MBSPPWD	1.11/16"-12		1"-11	67.0	41.0	50.0
20FFORX-20MBSPPWD	1.11/16"-12		1 1/4"-11	69.0	50.0	50.0
24FFORX-24MBSPPWD	2"-12		1 1/2"-11	72.0	55.0	60.0
						250

**ORFS FFORX-MBA90**

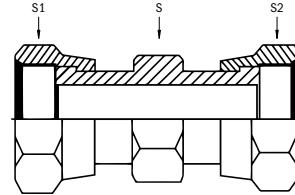
SAE flat face O-Ring female swivel / male SAE 'O' Ring boss 90° elbow



ADAPTOR	THREAD		LENGTH		HEX/FLATS			WORKING PRESSURE
REF.	T1	T2	L1	L2	S	S1	S2	WP
ORFS	ORFS F	SAE O	mm	mm	mm	mm	mm	bar
4FFORX-4MBA90	9/16"-18	7/16"-20 UNF	26.4	32.8	14.0	17.0	17.0	315
6FFORX-6MBA90	11/16"-16	9/16"-18 UNF	31.0	36.8	19.0	22.0	19.0	315
8FFORX-8MBA90	13/16"-16	3/4"-16 UNF	38.0	40.5	19.0	24.0	24.0	315
10FFORX-10MBA90	1"-14	7/8"-14 UNF	41.2	50.0	27.0	30.0	27.0	250
12FFORX-12MBA90	1.3/16"-12	1.1/16"-12 UN	46.5	55.0	30.0	36.0	36.0	250
16FFORX-16MBA90	1.7/16"-12	1.5/16"-12 UN	53.5	59.5	36.0	41.0	41.0	200
20FFORX-20MBA90	1.11/16"-12	1.5/8"-12 UN	58.2	62.2	41.0	50.0	50.0	160
24FFORX-24MBA90	2"-12	1.7/8"-12 UN	58.8	66.0	48.0	60.0	55.0	160

**ORFS FFORX-FFORX**

SAE flat face O-Ring female swivel / female swivel

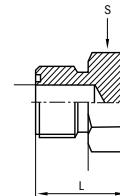


ADAPTOR	THREAD		LENGTH	HEX/FLATS		WORKING PRESSURE
REF.	T1	T2	L	S	S1 & S2	WP
ORFS	ORFS F	ORFS F	mm	mm	mm	bar
4FFORX-4FFORX	9/16"-18	9/16"-18	40.0	17.0	17.0	630
6FFORX-6FFORX	11/16"-16	11/16"-16	46.0	19.0	22.0	630
8FFORX-8FFORX	13/16"-16	13/16"-16	53.8	22.0	24.0	630
10FFORX-10FFORX	1"-14	1"-14	61.0	27.0	30.0	400
12FFORX-12FFORX	1.3/16"-12	1.3/16"-12	68.0	32.0	36.0	400
16FFORX-16FFORX	1.7/16"-12	1.7/16"-12	70.0	36.0	41.0	400
20FFORX-20FFORX	1.11/16"-12	1.11/16"-12	76.0	46.0	50.0	250
24FFORX-24FFORX	2"-12	2"-12	80.0	55.0	60.0	250



## ORFS MFFOR-PLUG

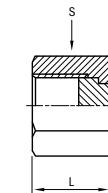
SAE flat face O-Ring male plug



ADAPTOR	THREAD	LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	L	S	WP
ORFS	ORFS	mm	mm	bar
4MFFOR-PLUG	9/16"-18	16.7	17.0	630
6MFFOR-PLUG	1 1/16"-16	19.1	19.0	630
8MFFOR-PLUG	1 3/16"-16	21.7	22.0	630
10MFFOR-PLUG	1"-14	25.9	27.0	400
12MFFOR-PLUG	1 3/16"-12	27.4	32.0	400
16MFFOR-PLUG	1 7/16"-12	27.9	41.0	400
20MFFOR-PLUG	1 11/16"-12	27.9	46.0	250
24MFFOR-PLUG	2"-12	27.9	55.0	250

## ORFS FFORX-CAP

SAE flat face O-Ring female swivel cap

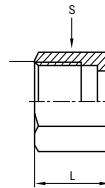


ADAPTOR	THREAD	LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	L	S	WP
ORFS	ORFS F	mm	mm	bar
4FFORX-CAP	9/16"-18	14.8	17.0	630
6FFORX-CAP	1 1/16"-16	17.0	22.0	630
8FFORX-CAP	1 3/16"-16	31.0	24.0	630
10FFORX-CAP	1"-14	23.5	30.0	400
12FFORX-CAP	1 3/16"-12	26.0	36.0	400
16FFORX-CAP	1 7/16"-12	27.8	41.0	400
20FFORX-CAP	1 11/16"-12	27.8	50.0	250
24FFORX-CAP	2"-12	27.8	60.0	250



## ORFS MFFOR-NUT

SAE flat face O-Ring nut



ADAPTOR	THREAD	LENGTH	HEX/FLATS	WORKING PRESSURE
REF.	T1	L	S	WP
ORFS	ORFS	mm	mm	bar
4MFFOR-NUT	9/16"-18	14.7	17.0	630
6MFFOR-NUT	11/16"-16	17.0	22.0	630
8MFFOR-NUT	13/16"-16	21.0	24.0	630
10MFFOR-NUT	1"-14	23.5	30.0	400
12MFFOR-NUT	1 3/16"-12	26.5	36.0	400
16MFFOR-NUT	1 7/16"-12	27.8	41.0	400
20MFFOR-NUT	1 11/16"-12	27.8	50.0	250
24MFFOR-NUT	2"-12	27.8	60.0	250



INTRODUCTION

BSP ADAPTORS

JIC ADAPTORS

ORFS ADAPTORS

PRESSURE WASH  
ADAPTORSQUICK-LOK  
ADAPTORS





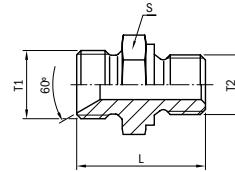
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# PRESSURE WASH ADAPTORS



**MBSPP-MM BRASS**

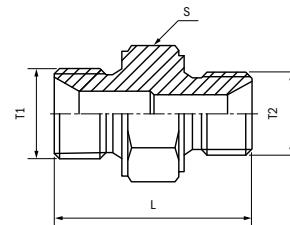
BSPP 60° male / male metric



ADAPTOR	THREAD		LENGTH	HEX/FLATS
REF.	T1	T2	L	S
BSP	BSPP	METRIC	mm	mm
4MBSPP-22MM BRASS	1/4"-19	M22x1.5	29.0	22.0
6MBSPP-22MM BRASS	3/8"-19	M22x1.5	29.0	22.0
8MBSPP-22MM BRASS	1/2"-14	M22x1.5	29.0	22.0

**MM-MM BRASS**

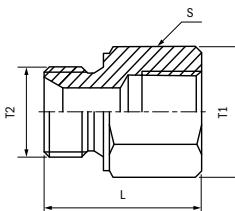
Metric male / male



ADAPTOR	THREAD		LENGTH	HEX/FLATS
REF.	T1	T2	L	S
BSP	METRIC	METRIC	mm	mm
22MM-22MM BRASS	M22x1.5	M22x1.5	54.0	27.0

**FBSPP-MM BRASS**

BSPP 60° female / male metric



ADAPTOR	THREAD		LENGTH	HEX/FLATS
REF.	T1	T2	L	S
BSP	BSPP F	METRIC	mm	mm
2FBSPP-22MM BRASS	1/8"-28	M22x1.5	29.0	22.0
4FBSPP-22MM BRASS	1/4"-19	M22x1.5	29.0	22.0
6FBSPP-22MM BRASS	3/8"-19	M22x1.5	29.0	22.0



INTRODUCTION

BSP ADAPTORS

JIC ADAPTORS

ORFS ADAPTORS

PRESSURE WASH  
ADAPTORS

QUICK-LOK  
ADAPTORS





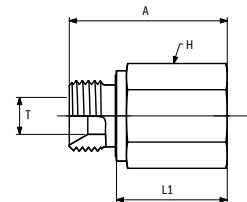
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# QUICK-LOK ADAPTORS



**BSP MBSPP-FQLH**

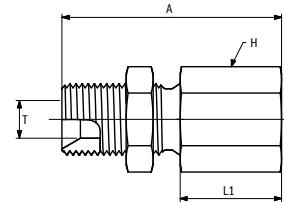
Quick-Lok high adaptor BSP MBSPP to QLH.  
Male BSPP thread with captive seal. 60° cone.  
DIN 3852-11 form e. ISO 1179-2.



						<b>QLH</b>
<b>T1</b>	<b>T2</b>	<b>A</b>	<b>L1</b>	<b>H</b>	<b>T</b>	<b>REF.</b>
FQLH	BSPP	mm	mm	mm	mm	
4FQLH	G $\frac{1}{4}$ " - 19 BSPP	44.5	32.5	22.0	4.7	4FQLH-4MBSPPCSC
6FQLH	G $\frac{3}{8}$ " - 19 BSPP	44.7	32.7	22.0	8.2	6FQLH-6MBSPPCSC
8FQLH	G $\frac{1}{2}$ " - 14 BSPP	47.0	33.0	27.0	11.0	8FQLH-8MBSPPCSC
12FQLH	G $\frac{3}{4}$ " - 14 BSPP	49.2	33.2	36.0	16.7	12FQLH-12MBSPPCSC
16FQLH	G1" - 11 BSPP	51.0	33.0	41.0	22.2	16FQLH-16MBSPPCSC

**BSP MBSPPBKHD-FQLH**

Quick-Lok high adaptor BSP MBSPPBKHD to QLH.  
Male BSPP thread.  
Bulkhead. 60° cone.

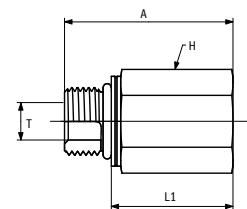


						<b>QLH</b>
<b>T1</b>	<b>T2</b>	<b>A</b>	<b>L1</b>	<b>H</b>	<b>T</b>	<b>REF.</b>
FQLH	BSPP	mm	mm	mm	mm	
4FQLH	G $\frac{1}{4}$ " - 19 BSPP	62.0	30.0	19.0	4.7	4FQLH-4MBSPPBKHD
6FQLH	G $\frac{3}{8}$ " - 19 BSPP	62.0	30.0	22.0	8.2	6FQLH-6MBSPPBKHD
8FQLH	G $\frac{1}{2}$ " - 14 BSPP	65.0	30.0	27.0	11.0	8FQLH-8MBSPPBKHD
12FQLH	G $\frac{3}{4}$ " - 14 BSPP	68.0	30.0	36.0	16.7	12FQLH-12MBSPPBKHD
16FQLH	G1" - 11 BSPP	71.0	30.0	41.0	22.2	16FQLH-16MBSPPBKHD



### DIN MMOR-FQLH

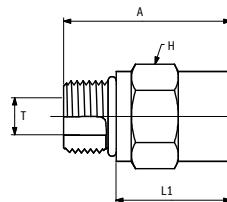
Quick-Lok high adaptor DIN MMOR to QLH.  
Male metric thread with O-Ring. ISO 6149-2, -3.



		A	L1	H	T	QLH	REF.
T1	T2	mm	mm	mm	mm		
FQLH	METRIC						
4FQLH	M12x1.5	43.5	32.5	19.0	6.0	4FQLH-12MMOR	
4FQLH	M14x1.5	43.5	32.5	22.0	7.0	4FQLH-14MMOR	
6FQLH	M14x1.5	43.5	32.5	22.0	7.0	6FQLH-14MMOR	
6FQLH	M16x1.5	45.0	32.5	22.0	9.0	6FQLH-16MMOR	
6FQLH	M18x1.5	45.0	32.5	24.0	10.0	6FQLH-18MMOR	
8FQLH	M18x1.5	45.0	32.5	24.0	10.0	8FQLH-18MMOR	
8FQLH	M22x1.5	45.5	32.5	27.0	10.0	8FQLH-22MMOR	
10FQLH	M22x1.5	45.5	32.5	27.0	14.0	10FQLH-22MMOR	
12FQLH	M26x1.5	48.5	32.5	32.0	14.0	12FQLH-26MMOR	
12FQLH	M27x2	48.5	32.5	32.0	18.0	12FQLH-27MMOR	
16FQLH	M33x2	48.5	32.5	41.0	23.0	16FQLH-33MMOR	

**SAE MB-FQLH**

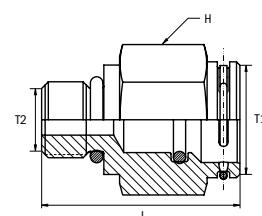
Quick-Lok high adaptor SAE MB 'heavy duty' to QLH.  
SAE J1926-2. ISO 11926-2.



						QLH
T1	T2	A	L1	H	T	REF.
FQLH	SAE O	mm	mm	mm	mm	
4FQLH	7/16" - 20 UNF	42.0	31.0	19.0	4.0	4FQLH-4MB
4FQLH	9/16" - 18 UNF	42.0	30.0	19.0	6.8	4FQLH-6MBS
6FQLH	7/16" - 20 UNF	42.0	31.0	22.0	4.5	6FQLH-4MB
6FQLH	9/16" - 18 UNF	43.0	31.0	22.0	7.5	6FQLH-6MBS
6FQLH	3/4" - 16 UNF	43.0	29.0	24.0	10.0	6FQLH-8MB
8FQLH	9/16" - 18 UNF	43.5	31.5	24.0	7.5	8FQLH-6MB
8FQLH	3/4" - 16 UNF	44.5	30.5	24.0	10.0	8FQLH-8MBS
8FQLH	7/8" - 14 UNF	46.0	30.0	27.0	12.7	8FQLH-10MB
10FQLH	3/4" - 16 UNF	47.0	33.0	27.0	10.0	10FQLH-8MB
10FQLH	7/8" - 14 UNF	47.0	31.0	27.0	12.7	10FQLH-10MB
10FQLH	1 1/16" - 12 UN	48.0	29.5	32.0	14.3	10FQLH-12MB
12FQLH	7/8" - 14 UNF	48.0	32.0	32.0	12.7	12FQLH-10MB
12FQLH	1 1/16" - 12 UN	50.0	31.5	32.0	15.5	12FQLH-12MB
12FQLH	1 5/16" - 12 UN	50.0	31.5	41.0	19.8	12FQLH-16MB
16FQLH	1 5/16" - 12 UN	50.0	31.5	41.0	21.0	16FQLH-16MB

**SAE MB-FQLL**

Quick-Lok low adaptor SAE MB 'heavy duty' to QLL.  
SAE J1926-2. ISO 11926-2.



				QLH
T1	T2	L	H	REF.
FQLL	SAE O	mm	mm	
6FQLL	7/16"-20 UNF	29.0	19.0	6FQLL-4MB
6FQLL	7/8"-14 UNF	41.2	27.0	6FQLL-10MB



# NOTES



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