



HYDRAULIC ADAPTORS

2013 CATALOGUE

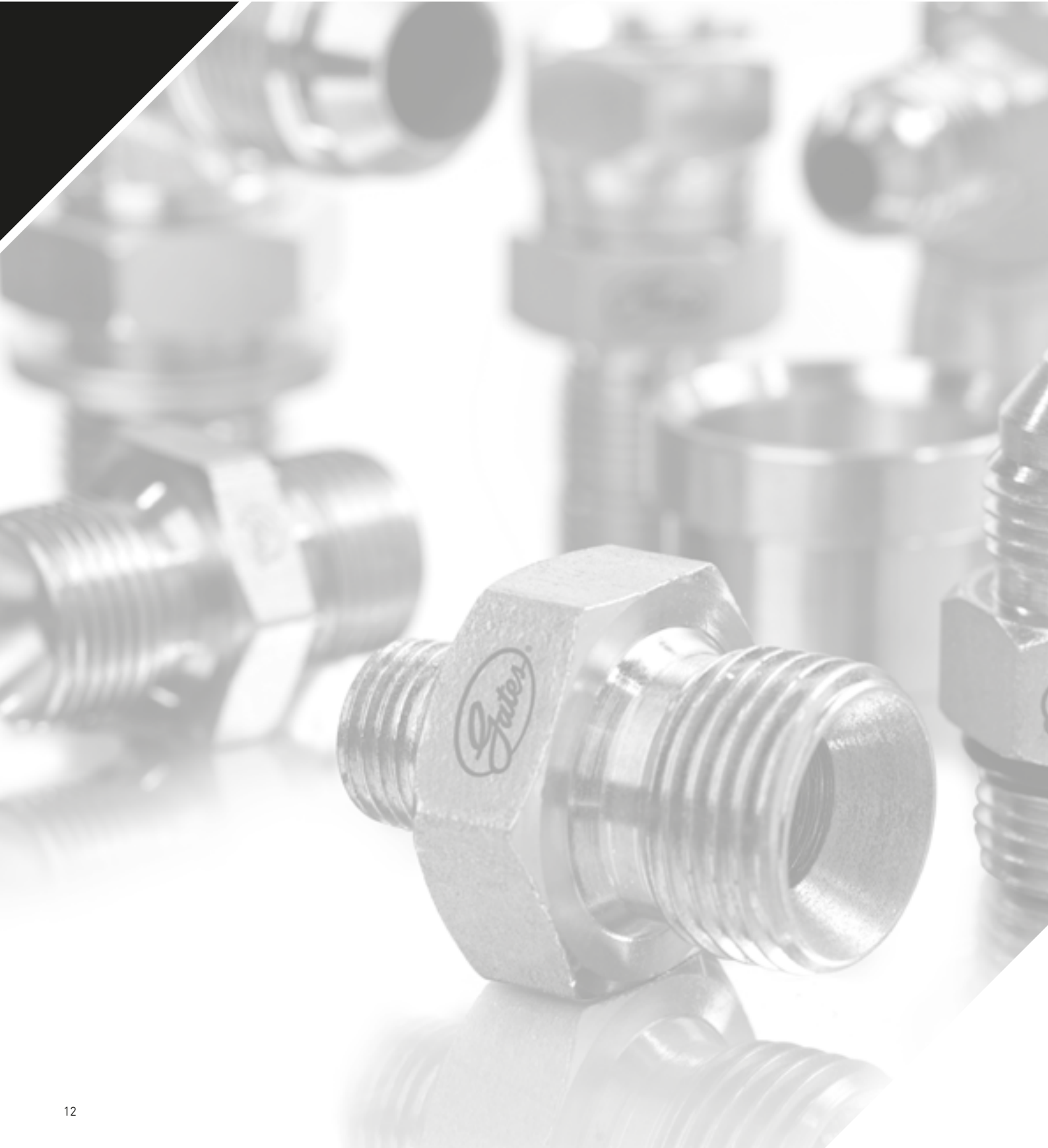
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HYDRAULIC ADAPTORS



THE WORLD OF ADAPTORS





HYDRAULIC ADAPTORS

GATES HYDRAULIC ADAPTOR RANGE GIVES YOU QUALITY AND RELIABILITY



Gates is world famous for its premium hydraulic hoses, couplings and equipment that are designed, engineered and manufactured to stand up to all industry requirements, as well as for its value added services that result in optimal equipment performance, exceptional reliability, and long service life.

But we don't stop there. 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

Adaptors are needed to complete hydraulic circuits which perform different functions:

- Thread 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

With the addition of the new adaptor range, Gates has taken its Integrated Approach to the next level where hoses, couplings, tube fittings and adaptors are designed together to obtain trustworthy port-to-port solutions!

RELIABILITY FROM A WELL-KNOWN BRAND

Gates adaptors are constructed with premium materials and precision machined to meet all recognised international standards. In other words, you can confidently install Gates adaptors. As with all our hydraulic products, you can count on high-quality, reliable parts that will deliver worry-free operation!





BIG COVERAGE

Gates new product line offers high-quality BSP and JIC adaptors at competitive pricing, with big coverage, so you can be sure to get the parts you need. The selected adaptor types are available in a multiple of sizes and configurations. This combination provides a product which covers numerous markets and applications – a few are listed below:

Markets

- Construction
- Agriculture & Forestry
- Off-shore & Marine
- Power pack build
- General hydraulics

Applications

- Excavators
- Loaders
- Harvesters
- Balers
- Off-shore equipment



Regardless of your requirement, Gates offers the right hydraulic adaptors to meet your challenging applications each and every time!

With over 100 years of experience, Gates products are trusted by professionals around the world.



HYDRAULIC ADAPTORS

EXPLANATIONS

EXPLANATION OF ABBREVIATIONS

PART NUMBER	DESCRIPTION
MBSP	Male BSP parallel
MBSPPP	Male BSP parallel
MBSPBKH	Male BSP bulkhead
MBSPT	Male BSP taper
FBSPP	Female BSPP fixed
FBSPPX	Female BSPP swivel
MJ	Male JIC
MJBKHD	Male JIC bulkhead
FJX	Female JIC swivel
MB	Male UN/UNF SAE with O-ring
MM	Male metric
MP	Male NPT
BL	Compact elbow
SWT	Swept elbow
OR	O-ring
COR	O-ring and retaining ring
WD	Captive seal
A	Adjustable

DASH SIZE	BSPP	JIC	SAE	NPT
2	1/8 - 28			Z 1/8 - 27
4	1/4 - 19	7/16 - 20	7/16 - 20	Z 1/4 - 18
5		1/2 - 20	1/2 - 20	
6	3/8 - 19	9/16 - 18	9/16 - 18	Z 3/8 - 18
8	1/2 - 14	3/4 - 16	3/4 - 16	Z 1/2 - 14
10	5/8 - 14	7/8 - 14	7/8 - 14	
12	3/4 - 14	1 1/16 - 12	1 1/16 - 12	Z 3/4 - 14
14		1 3/16 - 12	1 3/16 - 12	
16	1 - 11	1 5/16 - 12	1 5/16 - 12	Z1 - 11.5
20	1 1/4 - 11	1 5/8 - 12	1 5/8 - 12	Z1 1/4 - 11.5
24	1 1/2 - 11	1 7/8 - 12	1 7/8 - 12	Z1 1/2 - 11.5
32	2 - 11			Z2 - 11.5

EXPLANATION OF SYMBOLS

SYMBOLS	DESCRIPTION
	Thread
	Length
	Hex / Flats

EXPLANATION OF ORDERING EXAMPLES

ORDERING EXAMPLE 1	
6MJ-8MBSPACOR90	
6	= 9/16-18 UNF
MJ	= Male JIC
8	= 1/2-14
MBSP	= Male BSP parallel
A	= Adjustable
COR	= O-ring and retaining ring
90	= 90 degree elbow
ORDERING EXAMPLE 2	
4MBSP-4FBSPPX-4MBSP	
4	= 1/4-19
MBSP	= Male BSP parallel
4	= 1/4-19
FBSPPX	= Female BSPP swivel
4	= 1/4-19
MBSP	= Male BSP parallel (final part of "T" is on branch)

HYDRAULIC ADAPTORS

THE WORLD OF ADAPTORS



BSP

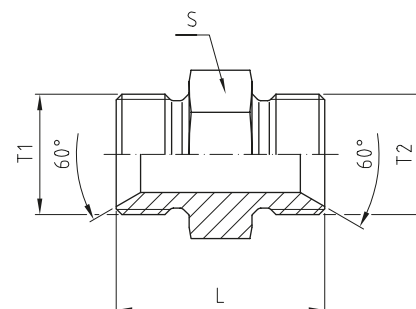


BSP ADAPTORS

BS5200

BSP MBSP-BSPP EQUAL

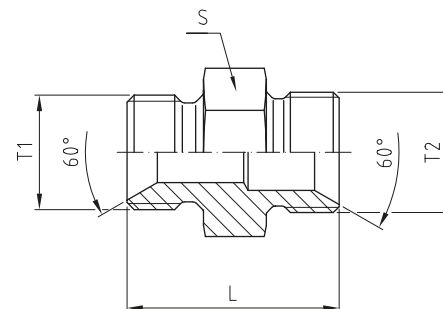
BSPP 60° Male / Male equal



				
REF.	T1	T2	L	S
BSP	BSPP	BSPP	mm	mm
2MBSP-2MBSP	1/8-28	1/8-28	26,0	14,0
4MBSP-4MBSP	1/4-19	1/4-19	30,0	19,0
6MBSP-6MBSP	3/8-19	3/8-19	33,0	22,0
8MBSP-8MBSP	1/2-14	1/2-14	42,0	27,0
10MBSP-10MBSP	5/8-14	5/8-14	45,0	30,0
12MBSP-12MBSP	3/4-14	3/4-14	48,0	32,0
16MBSP-16MBSP	1-11	1-11	54,0	41,0
20MBSP-20MBSP	1 1/4-11	1 1/4-11	58,0	50,0
24MBSP-24MBSP	1 1/2-11	1 1/2-11	63,0	55,0
32MBSP-32MBSP	2-11	2-11	68,0	70,0

BSP MBSPP-MBSPP UNEQUAL

BSPP 60° Male / Male unequal

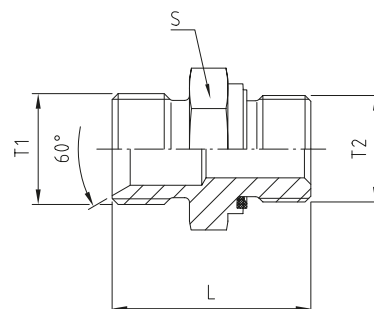


				
REF.	T1	T2	L	S
BSP	BSPP	BSPP	mm	mm
2MBSPP-4MBSPP	1/8-28	1/4-19	28,0	19,0
2MBSPP-6MBSPP	1/8-28	3/8-19	31,5	22,0
2MBSPP-8MBSPP	1/8-28	1/2-14	36,0	27,0
4MBSPP-6MBSPP	1/4-19	3/8-19	33,5	22,0
4MBSPP-8MBSPP	1/4-19	1/2-14	38,0	27,0
4MBSPP-10MBSPP	1/4-19	5/8-14	39,5	30,0
4MBSPP-12MBSPP	1/4-19	3/4-14	41,5	32,0
4MBSPP-16MBSPP	1/4-19	1-11	45,5	51,0
6MBSPP-8MBSPP	3/8-19	1/2-14	39,5	27,0
6MBSPP-10MBSPP	3/8-19	5/8-14	42,0	30,0
6MBSPP-12MBSPP	3/8-19	3/4-14	43,0	32,0
6MBSPP-16MBSPP	3/8-19	1-11	47,0	41,0
8MBSPP-10MBSPP	1/2-14	5/8-14	43,5	30,0
8MBSPP-12MBSPP	1/2-14	3/4-14	45,5	32,0
8MBSPP-16MBSPP	1/2-14	1-11	50,0	41,0
8MBSPP-20MBSPP	1/2-14	1 1/4-11	53,5	50,0
10MBSPP-12MBSPP	5/8-14	3/4-14	47,0	32,0
10MBSPP-16MBSPP	5/8-14	1-11	51,5	41,0
12MBSPP-16MBSPP	3/4-14	1-11	52,5	41,0
12MBSPP-20MBSPP	3/4-14	1 1/4-11	56,0	50,0
16MBSPP-20MBSPP	1-11	1 1/4-11	58,0	50,0
16MBSPP-24MBSPP	1-11	1 1/2-11	60,5	55,0
16MBSPP-32MBSPP	1-11	2-11	64,0	70,0
20MBSPP-24MBSPP	1 1/4-11	1 1/2-11	60,5	55,0
20MBSPP-32MBSPP	1 1/4-11	2-11	64,0	70,0
24MBSPP-32MBSPP	1 1/2-11	2-11	66,5	70,0

BSP ADAPTORS BS5200

BSP MBSP- MBSPWD

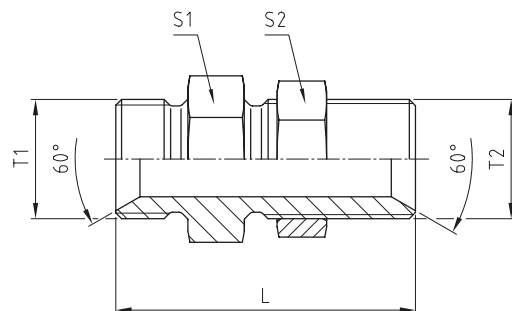
BSPP 60° Male / Male with captive seal



			
REF.	T1	T2	L
BSP	BSPP	BSPP WD	mm
2MBSP-2MBSPWD	1/8-28	1/8-28	25,5
4MBSP-2MBSPWD	1/4-19	1/8-28	27,5
6MBSP-2MBSPWD	3/8-19	1/8-28	29,0
2MBSP-4MBSPWD	1/8-28	1/4-19	30,0
4MBSP-4MBSPWD	1/4-19	1/4-19	32,0
6MBSP-4MBSPWD	3/8-19	1/4-19	33,5
8MBSP-4MBSPWD	1/2-14	1/4-19	40,0
12MBSP-4MBSPWD	3/4-14	1/4-19	41,5
4MBSP-6MBSPWD	1/4-19	3/8-19	34,5
6MBSP-6MBSPWD	3/8-19	3/8-19	34,0
8MBSP-6MBSPWD	1/2-14	3/8-19	40,5
12MBSP-6MBSPWD	3/4-14	3/8-19	42,0
4MBSP-8MBSPWD	1/4-19	1/2-14	39,0
6MBSP-8MBSPWD	3/8-19	1/2-14	40,5
8MBSP-8MBSPWD	1/2-14	1/2-14	43,0
12MBSP-8MBSPWD	3/4-14	1/2-14	44,5
16MBSP-8MBSPWD	1-11	1/2-14	50,5
4MBSP-12MBSPWD	1/4-19	3/4-14	40,0
6MBSP-12MBSPWD	3/8-19	3/4-14	43,5
8MBSP-12MBSPWD	1/2-14	3/4-14	46,0
12MBSP-12MBSPWD	3/4-14	3/4-14	46,5
16MBSP-12MBSPWD	1-11	3/4-14	52,5
20MBSP-12MBSPWD	1 1/4-11	3/4-14	54,5
6MBSP-16MBSPWD	3/8-19	1-11	47,5
8MBSP-16MBSPWD	1/2-14	1-11	50,0
12MBSP-16MBSPWD	3/4-14	1-11	52,5
16MBSP-16MBSPWD	1-11	1-11	54,5

BSP MBSP-2MBSPBK

BSP 60° Male / Male straight bulkhead with lock nut

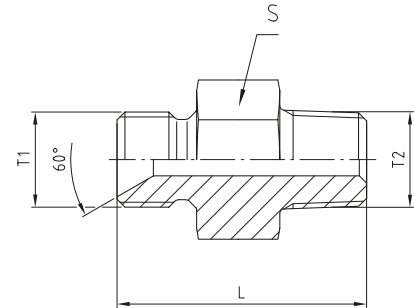


				
REF.	T1	T2	L	S1 & S2
BSP	BSPP	BSPP	mm	mm
2MBSP-2MBSPBK	1/8-28	1/8-28	49,0	14,0
4MBSP-4MBSPBK	1/4-19	1/4-19	53,0	19,0
6MBSP-6MBSPBK	3/8-19	3/8-19	56,5	22,0
8MBSP-8MBSPBK	1/2-14	1/2-14	65,0	27,0
10MBSP-10MBSPBK	5/8-14	5/8-14	67,5	30,0
12MBSP-12MBSPBK	3/4-14	3/4-14	71,5	32,0
16MBSP-16MBSPBK	1-11	1-11	84,0	41,0
20MBSP-20MBSPBK	1 1/4-11	1 1/4-11	89,5	50,0
24MBSP-24MBSPBK	1 1/2-11	1 1/2-11	93,0	55,0
32MBSP-32MBSPBK	2-11	2-11	97,5	70,0

BSP ADAPTORS BS5200

BSP MBSPP-MBSPT

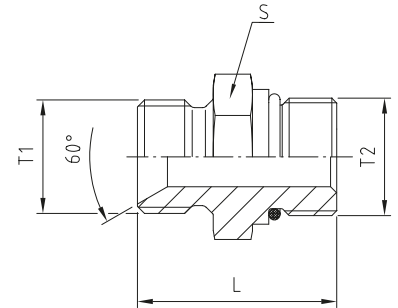
BSP 60° Male / Male BSP taper



			
REF.	T1	T2	L
BSP	BSP	BSP	mm
2MBSPP-2MBSPT	1/8-28	R1/8-28	26,0
4MBSPP-2MBSPT	1/4-19	R1/8-28	28,0
2MBSPP-4MBSPT	1/8-28	R1/4-19	30,5
4MBSPP-4MBSPT	1/4-19	R1/4-19	32,0
6MBSPP-4MBSPT	3/8-19	R1/4-19	35,5
8MBSPP-4MBSPT	1/2-14	R1/4-19	40,5
4MBSPP-6MBSPT	1/4-19	R3/8-19	32,0
6MBSPP-6MBSPT	3/8-19	R3/8-19	35,5
8MBSPP-6MBSPT	1/2-14	R3/8-19	40,0
4MBSPP-8MBSPT	1/4-19	R1/2-14	40,0
6MBSPP-8MBSPT	3/8-19	R1/2-14	40,5
8MBSPP-8MBSPT	1/2-14	R1/2-14	45,0
12MBSPP-8MBSPT	3/4-14	R1/2-14	49,5
6MBSPP-12MBSPT	3/8-19	R3/4-14	40,5
8MBSPP-12MBSPT	1/2-14	R3/4-14	45,0
12MBSPP-12MBSPT	3/4-14	R3/4-14	48,5
16MBSPP-12MBSPT	1-11	R3/4-14	53,0
20MBSPP-12MBSPT	1 1/4-11	R3/4-14	56,0
12MBSPP-16MBSPT	3/4-14	R1-11	53,5
16MBSPP-16MBSPT	1-11	R1-11	58,0
20MBSPP-16MBSPT	1 1/4-11	R1-11	61,0
12MBSPP-20MBSPT	3/4-14	R1 1/4-11	58,0
16MBSPP-20MBSPT	1-11	R1 1/4-11	60,0
20MBSPP-20MBSPT	1 1/4-11	R1 1/4-11	62,0
24MBSPP-20MBSPT	1 1/2-11	R1 1/4-11	64,5
20MBSPP-24MBSPT	1 1/4-11	R1 1/2-11	62,0
24MBSPP-24MBSPT	1 1/2-11	R1 1/2-11	64,5
32MBSPP-32MBSPT	2-11	R2-11	72,5

BSP MBSP-60

BSP 60° Male / Male UN/UNF SAE with O-ring

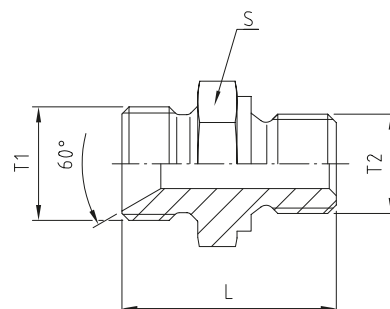


				
REF.	T1	T2	L	S
BSP	BSPP	SAE O	mm	mm
4MBSP-4MB	1/4-19	7/16-20	29,5	19,0
4MBSP-6MB	1/4-19	9/16-18	32,0	19,0
4MBSP-8MB	1/4-19	3/4-16	31,0	22,0
6MBSP-4MB	3/8-19	7/16-20	33,0	22,0
6MBSP-6MB	3/8-19	9/16-18	33,5	22,0
6MBSP-8MB	3/8-19	3/4-16	36,0	24,0
6MBSP-10MB	3/8-19	7/8-14	39,5	27,0
6MBSP-12MB	3/8-19	1 1/16-12	43,0	31,0
8MBSP-8MB	1/2-14	3/4-16	38,0	27,0
8MBSP-10MB	1/2-14	7/8-14	42,0	27,0
8MBSP-12MB	1/2-14	1 1/16-12	42,5	36,0
10MBSP-10MB	5/8-14	7/8-14	43,5	30,0
10MBSP-12MB	5/8-14	1 1/16-12	47,0	34,0
12MBSP-8MB	3/4-14	3/4-16	40,5	32,0
12MBSP-10MB	3/4-14	7/8-14	45,5	32,0
12MBSP-12MB	3/4-14	1 1/16-12	48,0	34,0
12MBSP-16MB	3/4-14	1 5/16-12	50,7	41,0
16MBSP-12MB	1-11	1 1/16-12	52,0	41,0
16MBSP-16MB	1-11	1 5/16-12	52,6	41,0

BSP ADAPTORS BS5200

BSP MBSPP-MM

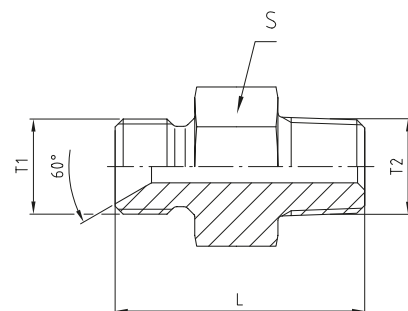
BSPP 60° Male / Male metric



			
REF.	T1	T2	L
BSP	BSPP	METRIC	mm
4MBSPP-10MM	1/4-19	M10X1	27,0
4MBSPP-12MM	1/4-19	M12X1.5	29,0
4MBSPP-14MM	1/4-19	M14X1.5	30,0
4MBSPP-16MM	1/4-19	M16X1.5	33,0
4MBSPP-18MM	1/4-19	M18X1.5	33,0
4MBSPP-20MM	1/4-19	M20X1.5	37,0
4MBSPP-22MM	1/4-19	M22X1.5	37,0
6MBSPP-12MM	3/8-19	M12X1.5	31,5
6MBSPP-14MM	3/8-19	M14X1.5	32,5
6MBSPP-16MM	3/8-19	M16X1.5	33,5
6MBSPP-18MM	3/8-19	M18X1.5	34,5
6MBSPP-20MM	3/8-19	M20x1.5	38,5
6MBSPP-22MM	3/8-19	M22X1.5	38,5
8MBSPP-12MM	1/2-14	M12X1.5	37,0
8MBSPP-14MM	1/2-14	M14X1.5	38,0
8MBSPP-16MM	1/2-14	M16X1.5	39,0
8MBSPP-18MM	1/2-14	M18X1.5	39,0
8MBSPP-20MM	1/2-14	M20X1.5	41,0
8MBSPP-22MM	1/2-14	M22X1.5	41,0
8MBSPP-24MM	1/2-14	M24X1.5	41,0
8MBSPP-26MM	1/2-14	M26X1.5	44,0
12MBSPP-18MM	3/4-14	M18X1.5	42,5
12MBSPP-22MM	3/4-14	M22X1.5	44,5
12MBSPP-26MM	3/4-14	M26X1.5	46,5
16MBSPP-22MM	1-11	M22X1.5	48,5
16MBSPP-26MM	1-11	M26X1.5	50,5

BSP MBSPP-MP

BSP 60° Male / Male NPT

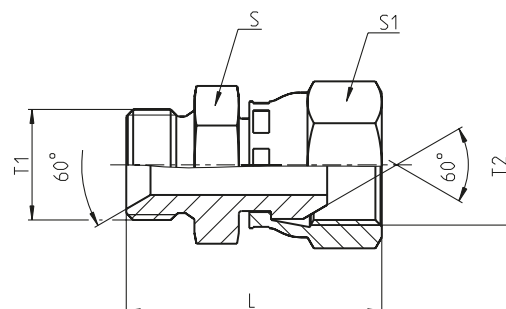


				
REF.	T1	T2	L	S
BSP	BSPP	NPT	mm	mm
4MBSPP-4MP	1/4-19	Z1/4-18	33,0	19,0
6MBSPP-6MP	3/8-19	Z3/8-18	37,5	22,0
8MBSPP-8MP	1/2-14	Z1/2-14	45,5	27,0
12MBSPP-12MP	3/4-14	Z3/4-14	49,0	32,0
16MBSPP-16MP	1-11	Z1-11.5	59,0	41,0
32MBSPP-32MP	2-11	Z2-11.5	70,0	70,0

BSP ADAPTORS BS5200

BSP MBSPP-FBSPPX

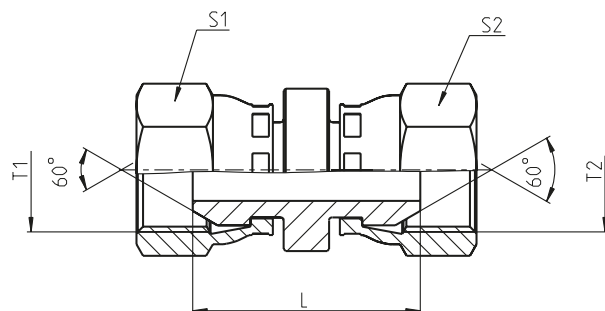
BSP 60° Male / Female swivel



			
REF.	T1	T2	L
BSP	BSP	BSP F	mm
2MBSPP-2FBSPPX	1/8-28	1/8-28	25,0
2MBSPP-4FBSPPX	1/8-28	1/4-19	27,0
4MBSPP-2FBSPPX	1/4-19	1/8-28	27,0
4MBSPP-4FBSPPX	1/4-19	1/4-19	29,0
4MBSPP-6FBSPPX	1/4-19	3/8-19	30,5
4MBSPP-8FBSPPX	1/4-19	1/2-14	32,0
4MBSPP-12FBSPPX	1/4-19	3/4-14	33,0
6MBSPP-4FBSPPX	3/8-19	1/4-19	32,5
6MBSPP-6FBSPPX	3/8-19	3/8-19	34,0
6MBSPP-8FBSPPX	3/8-19	1/2-14	35,5
6MBSPP-12FBSPPX	3/8-19	3/4-14	36,5
6MBSPP-16FBSPPX	3/8-19	1-11	38,0
8MBSPP-4FBSPPX	1/2-14	1/4-19	37,0
8MBSPP-6FBSPPX	1/2-14	3/8-19	38,5
8MBSPP-8FBSPPX	1/2-14	1/2-14	40,0
8MBSPP-10FBSPPX	1/2-14	5/8-14	40,5
8MBSPP-12FBSPPX	1/2-14	3/4-14	41,0
8MBSPP-16FBSPPX	1/2-14	1-11	42,5
10MBSPP-10FBSPPX	5/8-14	5/8-14	42,0
12MBSPP-6FBSPPX	3/4-14	3/8-19	42,0
12MBSPP-8FBSPPX	3/4-14	1/2-14	43,5
12MBSPP-12FBSPPX	3/4-14	3/4-14	44,5
12MBSPP-16FBSPPX	3/4-14	1-11	46,0
12MBSPP-20FBSPPX	3/4-14	1 1/4-11	49,0
16MBSPP-8FBSPPX	1-11	1/2-14	48,0
16MBSPP-12FBSPPX	1-11	3/4-14	49,0
16MBSPP-16FBSPPX	1-11	1-11	50,0
16MBSPP-20FBSPPX	1-11	1 1/4-11	53,0
16MBSPP-24FBSPPX	1-11	1 1/2-11	53,5
20MBSPP-12FBSPPX	1 1/4-11	3/4-14	50,5
20MBSPP-16FBSPPX	1 1/4-11	1-11	52,0
20MBSPP-20FBSPPX	1 1/4-11	1 1/2-11	55,0
20MBSPP-24FBSPPX	1 1/4-11	1 1/2-11	55,5
20MBSPP-32FBSPPX	1 1/4-11	2-11	58,5
24MBSPP-16FBSPPX	1 1/2-11	1-11	54,5
24MBSPP-20FBSPPX	1 1/2-11	1 1/4-11	57,5
24MBSPP-24FBSPPX	1 1/2-11	1 1/2-11	58,0
24MBSPP-32FBSPPX	1 1/2-11	2-11	60,0
32MBSPP-20FBSPPX	2-11	1 1/4-11	60,0
32MBSPP-24FBSPPX	2-11	1 1/2-11	60,5
32MBSPP-32FBSPPX	2-11	2-11	63,5

BSP FBSPPX-FBSPPX

BSPP 60° Female swivel / Female swivel



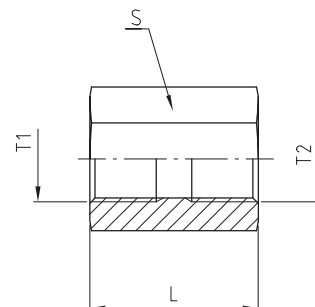
					
REF.	T1	T2	L	S1	S2
BSP	BSPP F	BSPP F	mm	mm	mm
2FBSPPX-2FBSPPX	1/8-28	1/8-28	21,0	14,0	14,0
4FBSPPX-4FBSPPX	1/4-19	1/4-19	25,0	19,0	19,0
4FBSPPX-6FBSPPX	1/4-19	3/8-19	26,5	19,0	22,0
4FBSPPX-8FBSPPX	1/4-19	1/2-14	28,5	19,0	27,0
6FBSPPX-6FBSPPX	3/8-19	3/8-19	27,0	22,0	22,0
6FBSPPX-8FBSPPX	3/8-19	1/2-14	29,5	22,0	27,0
8FBSPPX-8FBSPPX	1/2-14	1/2-14	31,0	27,0	27,0
8FBSPPX-10FBSPPX	1/2-14	5/8-14	31,5	27,0	30,0
8FBSPPX-12FBSPPX	1/2-14	3/4-14	32,5	27,0	32,0
10FBSPPX-10FBSPPX	5/8-14	5/8-14	31,5	30,0	30,0
12FBSPPX-12FBSPPX	3/4-14	3/4-14	33,5	32,0	32,0
12FBSPPX-16FBSPPX	3/4-14	1-11	35,0	32,0	41,0
16FBSPPX-16FBSPPX	1-11	1-11	36,5	41,0	41,0
20FBSPPX-20FBSPPX	1 1/4-11	1 1/4-11	40,0	50,0	50,0
24FBSPPX-24FBSPPX	1 1/2-11	1 1/2-11	47,0	55,0	55,0
32FBSPPX-32FBSPPX	2-11	2-11	47,0	70,0	70,0

BSP ADAPTORS

BS5200

BSP FBSP-FBSP

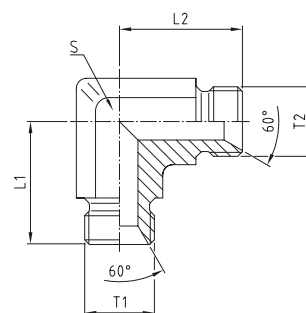
BSPP Female fixed / Female fixed



			
REF.	T1	T2	L
BSP	BSPP F	BSPP F	mm
2FBSP-2FBSP	1/8-28	1/8-28	22,0
4FBSP-4FBSP	1/4-19	1/4-19	24,0
6FBSP-6FBSP	3/8-19	3/8-19	26,0
8FBSP-8FBSP	1/2-14	1/2-14	32,0
10FBSP-10FBSP	5/8-14	5/8-14	36,0
12FBSP-12FBSP	3/4-14	3/4-14	36,0
16FBSP-16FBSP	1-11	1-11	40,0
20FBSP-20FBSP	1 1/4-11	1 1/4-11	44,0
24FBSP-24FBSP	1 1/2-11	1 1/2-11	45,0
32FBSP-32FBSP	2-11	2-11	54,0

BSP MBSP-MBSP90BL

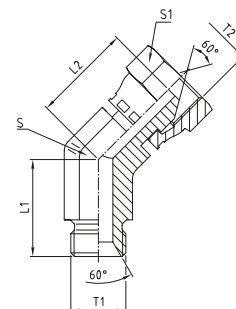
BSPP 60° Male / Male 90° compact elbow (forged)



			
REF.	T1	T2	L1
BSP	BSPP	BSPP	mm
4MBSP-4MBSP90BL	1/4-19	1/4-19	24,5
6MBSP-6MBSP90BL	3/8-19	3/8-19	27,5
8MBSP-8MBSP90BL	1/2-14	1/2-14	34,5
12MBSP-12MBSP90BL	3/4-14	3/4-14	40,0
16MBSP-16MBSP90BL	1-11	1-11	46,0

BSP MBSP-45BL

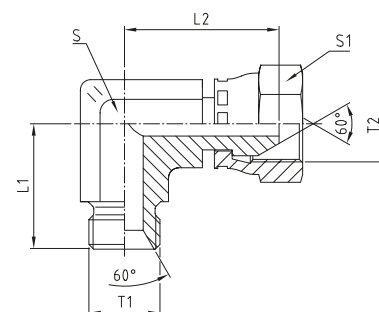
BSPP 60° Male / Female swivel 45° compact elbow (forged)



						
REF.	T1	T2	L1	L2	S Flats	S1
BSP	BSPP	BSPP F	mm	mm	mm	mm
4MBSPP-4FBSPPX45BL	1/4-19	1/4-19	20,3	23,5	14,0	19,0
6MBSPP-6FBSPPX45BL	3/8-19	3/8-19	22,0	26,7	16,0	22,0
8MBSPP-8FBSPPX45BL	1/2-14	1/2-14	27,0	29,5	22,0	27,0
12MBSPP-12FBSPPX45BL	3/4-14	3/4-14	31,0	34,1	27,0	32,0
16MBSPP-16FBSPPX45BL	1-11	1-11	35,0	38,3	33,0	41,0

BSP MBSP-90BL

BSPP 60° Male / Female swivel 90° compact elbow (forged)

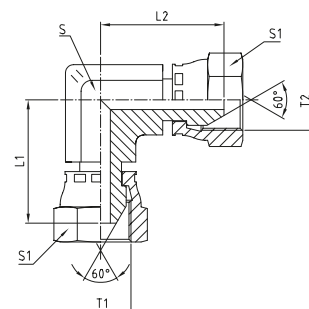


						
REF.	T1	T2	L1	L2	S Flats	S1
BSP	BSPP	BSPP F	mm	mm	mm	mm
4MBSPP-4FBSPPX90BL	1/4-19	1/4-19	24,5	24,0	14,0	19,0
6MBSPP-6FBSPPX90BL	3/8-19	3/8-19	27,5	26,7	16,0	22,0
8MBSPP-8FBSPPX90BL	1/2-14	1/2-14	34,5	34,3	22,0	27,0
10MBSPP-10FBSPPX90BL	5/8-14	5/8-14	35,0	34,3	22,0	30,0
12MBSPP-12FBSPPX90BL	3/4-14	3/4-14	40,0	36,5	27,0	32,0
16MBSPP-16FBSPPX90BL	1-11	1-11	46,0	43,2	33,0	41,0
20MBSPP-20FBSPPX90BL	1 1/4-11	1 1/4-11	50,5	46,4	41,0	50,0

BSP ADAPTORS BS5200

BSP FBSPPX-FBSPPX90BL

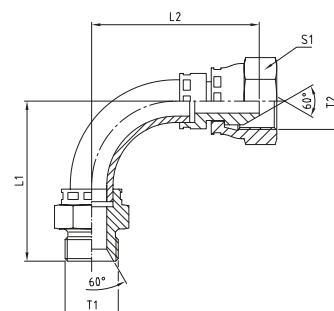
BSPP 60° Female swivel / Female swivel 90°
compact elbow (forged)



						
REF.	T1	T2	L1	L2	S Flats	S1
BSP	BSPP F	BSPP F	mm	mm	mm	mm
4FBSPPX-4FBSPPX90BL	1/4-19	1/4-19	24,0	24,0	11,0	19,0
6FBSPPX-6FBSPPX90BL	3/8-19	3/8-19	26,7	26,7	14,0	22,0
8FBSPPX-8FBSPPX90BL	1/2-14	1/2-14	34,3	34,3	19,0	27,0
10FBSPPX-10FBSPPX90BL	5/8-14	5/8-14	34,3	34,3	22,0	30,0
12FBSPPX-12FBSPPX90BL	3/4-14	3/4-14	36,5	36,5	24,0	32,0
16FBSPPX-16FBSPPX90BL	1-11	1-11	43,2	43,2	30,0	41,0
20FBSPPX-20FBSPPX90BL	1 1/4-11	1 1/4-11	46,4	46,4	36,0	50,0

BSP MBSPP-FBSPPX90SWT

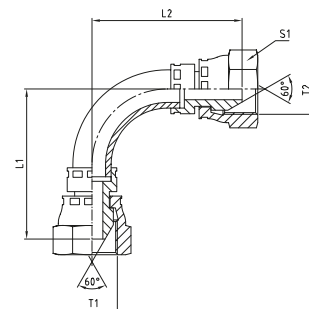
BSPP 60° Male / Female swivel 90° swept elbow



					
REF.	T1	T2	L1	L2	S1
BSP	BSPP	BSPP F	mm	mm	mm
4MBSPP-4FBSPPX90SWT	1/4-19	1/4-19	43,0	33,6	19,0
6MBSPP-6FBSPPX90SWT	3/8-19	3/8-19	51,6	41,3	22,0
8MBSPP-8FBSPPX90SWT	1/2-14	1/2-14	59,8	48,6	27,0
10MBSPP-10FBSPPX90SWT	5/8-14	5/8-14	70,0	52,5	30,0
12MBSPP-12FBSPPX90SWT	3/4-14	3/4-14	73,9	62,1	32,0
16MBSPP-16FBSPPX90SWT	1-11	1-11	93,7	72,8	41,0
20MBSPP-20FBSPPX90SWT	1 1/4-11	1 1/4-11	110,7	85,9	50,0

BSP FBSPPX-FBSPPX90SWT

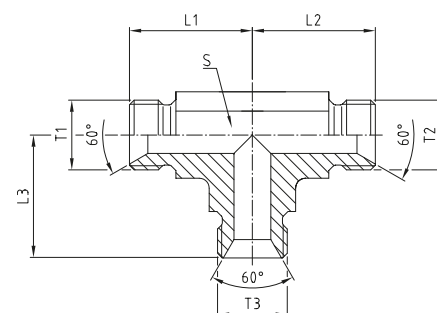
BSP 60° Female swivel / Female swivel 90° swept elbow



REF.	T1	T2	L1	L2	S1
BSP	BSPP F	BSPP F	mm	mm	mm
4FBSPPX-4FBSPPX90SWT	1/4-19	1/4-19	27,0	27,0	19,0
6FBSPPX-6FBSPPX90SWT	3/8-19	3/8-19	33,0	33,0	22,0
8FBSPPX-8FBSPPX90SWT	1/2-14	1/2-14	38,0	38,0	27,0
10FBSPPX-10FBSPPX90SWT	5/8-14	5/8-14	52,5	52,5	30,0
12FBSPPX-12FBSPPX90SWT	3/4-14	3/4-14	58,0	58,0	32,0
16FBSPPX-16FBSPPX90SWT	1-11	1-11	74,0	74,0	41,0
20FBSPPX-20FBSPPX90SWT	1 1/4-11	1 1/4-11	92,0	92,0	50,0

BSP MBSPP-MBSPP-MBSPP

BSP 60° Male / Male / Male "T" (forged)

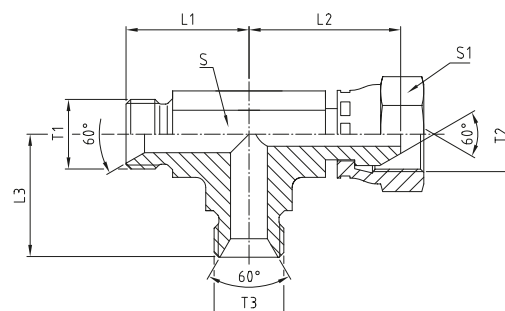


REF.	T1	T2	T3	L1 . L2	L3	S Flats
BSP	BSPP	BSPP	BSPP	mm	mm	mm
4MBSPP-4MBSPP-4MBSPP	1/4-19	1/4-19	1/4-19	24,5	24,5	14,0
6MBSPP-6MBSPP-6MBSPP	3/8-19	3/8-19	3/8-19	27,5	27,5	16,0
8MBSPP-8MBSPP-8MBSPP	1/2-14	1/2-14	1/2-14	34,5	34,5	22,0
10MBSPP-10MBSPP-10MBSPP	5/8-14	5/8-14	5/8-14	35,0	35,0	22,0
12MBSPP-12MBSPP-12MBSPP	3/4-14	3/4-14	3/4-14	40,0	40,0	27,0
16MBSPP-16MBSPP-16MBSPP	1-11	1-11	1-11	46,0	46,0	33,0
20MBSPP-20MBSPP-20MBSPP	1 1/4-11	1 1/4-11	1 1/4-11	50,5	50,5	41,0
24MBSPP-24MBSPP-24MBSPP	1 1/2-11	1 1/2-11	1 1/2-11	57,5	57,5	48,0

BSP ADAPTORS BS5200

BSP MBSP-4FBSPX-4MBSP

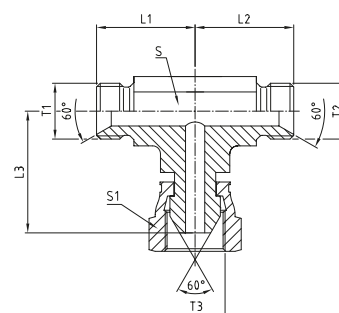
BSPP 60° Male / Female swivel / Male "T" (forged)



							
REF.	T1	T2	T3	L1 . L3	L2	S Flats	S1
BSP	BSPP	BSPP F	BSPP	mm	mm	mm	mm
4MBSP-4FBSPX-4MBSP	1/4-19	1/4-19	1/4-19	25,0	24,0	14,0	19,0
6MBSP-6FBSPX-6MBSP	3/8-19	3/8-19	3/8-19	27,5	26,7	16,0	22,0
8MBSP-8FBSPX-8MBSP	1/2-14	1/2-14	1/2-14	34,5	34,3	22,0	27,0
12MBSP-12FBSPX-12MBSP	3/4-14	3/4-14	3/4-14	40,0	36,5	27,0	32,0
16MBSP-16FBSPX-16MBSP	1-11	1-11	1-11	46,0	43,2	33,0	41,0
20MBSP-20FBSPX-20MBSP	1 1/4-11	1 1/4-11	1 1/4-11	50,5	46,4	41,0	50,0

BSP MBSP-MBSP-4FBSPX

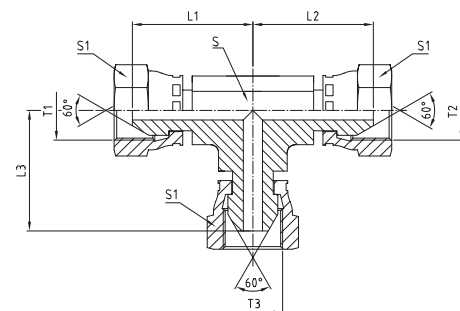
BSPP 60° Male / Male / Female swivel "T" (forged)



							
REF.	T1	T2	T3	L1 . L2	L3	S Flats	S1
BSP	BSPP	BSPP	BSPP F	mm	mm	mm	mm
4MBSP-4MBSP-4FBSPX	1/4-19	1/4-19	1/4-19	24,5	24,0	14,0	19,0
6MBSP-6MBSP-6FBSPX	3/8-19	3/8-19	3/8-19	27,5	26,7	16,0	22,0
8MBSP-8MBSP-8FBSPX	1/2-14	1/2-14	1/2-14	34,5	34,3	22,0	27,0
12MBSP-12MBSP-12FBSPX	3/4-14	3/4-14	3/4-14	40,0	36,5	27,0	32,0
16MBSP-16MBSP-16FBSPX	1-11	1-11	1-11	46,0	43,2	33,0	41,0
20MBSP-20MBSP-20FBSPX	1 1/4-11	1 1/4-11	1 1/4-11	50,5	46,4	41,0	50,0

BSP FBSPPX-FBSPPX-FBSPPX

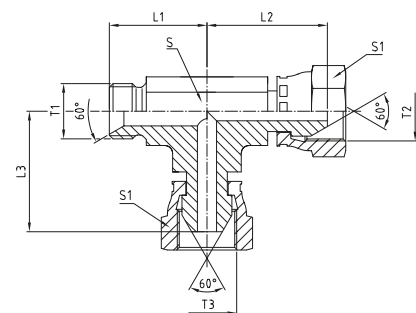
BSPP 60° Female swivel / Female swivel / Female swivel "T" (forged)



							
REF.	T1	T2	T3	L1 . L2	L3	S Flats	S1
BSP	BSPP F	BSPP F	BSPP F	mm	mm	mm	mm
4FBSPPX-4FBSPPX-4FBSPPX	1/4-19	1/4-19	1/4-19	24,0	24,0	11,0	19,0
6FBSPPX-6FBSPPX-6FBSPPX	3/8-19	3/8-19	3/8-19	26,7	26,7	16,0	22,0
8FBSPPX-8FBSPPX-8FBSPPX	1/2-14	1/2-14	1/2-14	34,3	34,3	19,0	27,0
10FBSPPX-10FBSPPX-10FBSPPX	5/8-14	5/8-14	5/8-14	34,3	34,3	22,0	30,0
12FBSPPX-12FBSPPX-12FBSPPX	3/4-14	3/4-14	3/4-14	36,5	36,5	24,0	32,0
16FBSPPX-16FBSPPX-16FBSPPX	1-11	1-11	1-11	43,2	43,2	30,0	41,0
20FBSPPX-20FBSPPX-20FBSPPX	1 1/4-11	1 1/4-11	1 1/4-11	46,4	46,4	41,0	50,0
24FBSPPX-24FBSPPX-24FBSPPX	1 1/2-11	1 1/2-11	1 1/2-11	54,5	54,5	48,0	55,0

BSP MBSPP-FBSPPX-FBSPPX

BSPP 60° Male / Female swivel / Female swivel "T" (forged)

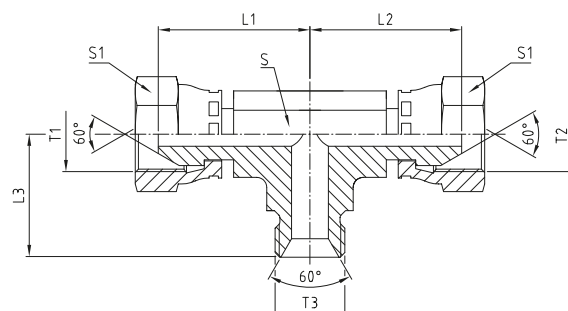


							
REF.	T1	T2	T3	L1	L2 . L3	S Flats	S1
BSP	BSPP	BSPP F	BSPP F	mm	mm	mm	mm
4MBSPP-4FBSPPX-4FBSPPX	1/4-19	1/4-19	1/4-19	25,0	24,0	14,0	19,0
6MBSPP-6FBSPPX-6FBSPPX	3/8-19	3/8-19	3/8-19	27,5	26,7	16,0	22,0
8MBSPP-8FBSPPX-8FBSPPX	1/2-14	1/2-14	1/2-14	34,5	34,3	22,0	27,0
12MBSPP-12FBSPPX-12FBSPPX	3/4-14	3/4-14	3/4-14	40,0	36,5	27,0	32,0
16MBSPP-16FBSPPX-16FBSPPX	1-11	1-11	1-11	46,0	43,2	33,0	41,0

BSP ADAPTORS BS5200

BSP FBSPPX-FBSPPX-MBSPP

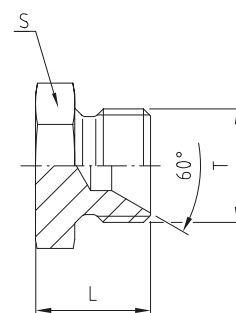
BSPP 60° Female swivel / Female swivel / Male "T" (forged)



							
REF.	T1	T2	T3	L1 . L2	L3	S Flats	S1
BSP	BSPP F	BSPP F	BSPP	mm	mm	mm	mm
4FBSPPX-4FBSPPX-4MBSPP	1/4-19	1/4-19	1/4-19	24,0	25,0	14,0	19,0
6FBSPPX-6FBSPPX-6MBSPP	3/8-19	3/8-19	3/8-19	26,7	27,5	16,0	22,0
8FBSPPX-8FBSPPX-8MBSPP	1/2-14	1/2-14	1/2-14	34,3	34,5	22,0	27,0
10FBSPPX-10FBSPPX-10MBSPP	5/8-14	5/8-14	5/8-14	34,3	34,5	22,0	30,0
12FBSPPX-12FBSPPX-12MBSPP	3/4-14	3/4-14	3/4-14	36,5	40,0	27,0	32,0
16FBSPPX-16FBSPPX-16MBSPP	1-11	1-11	1-11	43,2	46,0	33,0	41,0

BSP MBSPP PLUG

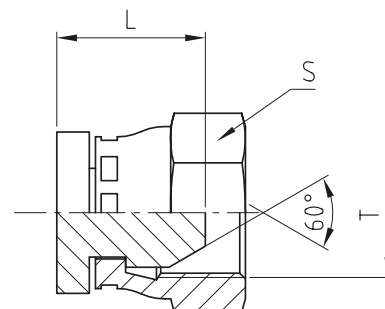
BSPP 60° Male cone plug



			
REF.	T	L	S
BSP	BSPP	mm	mm
2MBSPP-PLUG	1/8-28	16,0	14,0
4MBSPP-PLUG	1/4-19	18,0	19,0
6MBSPP-PLUG	3/8-19	21,5	22,0
8MBSPP-PLUG	1/2-14	26,0	27,0
10MBSPP-PLUG	5/8-14	27,5	30,0
12MBSPP-PLUG	3/4-14	29,5	32,0
16MBSPP-PLUG	1-11	34,0	41,0
20MBSPP-PLUG	1 1/4-11	37,5	50,0
24MBSPP-PLUG	1 1/2-11	40,0	55,0
32MBSPP-PLUG	2-11	43,5	70,0

BSP FBSPPX CAP

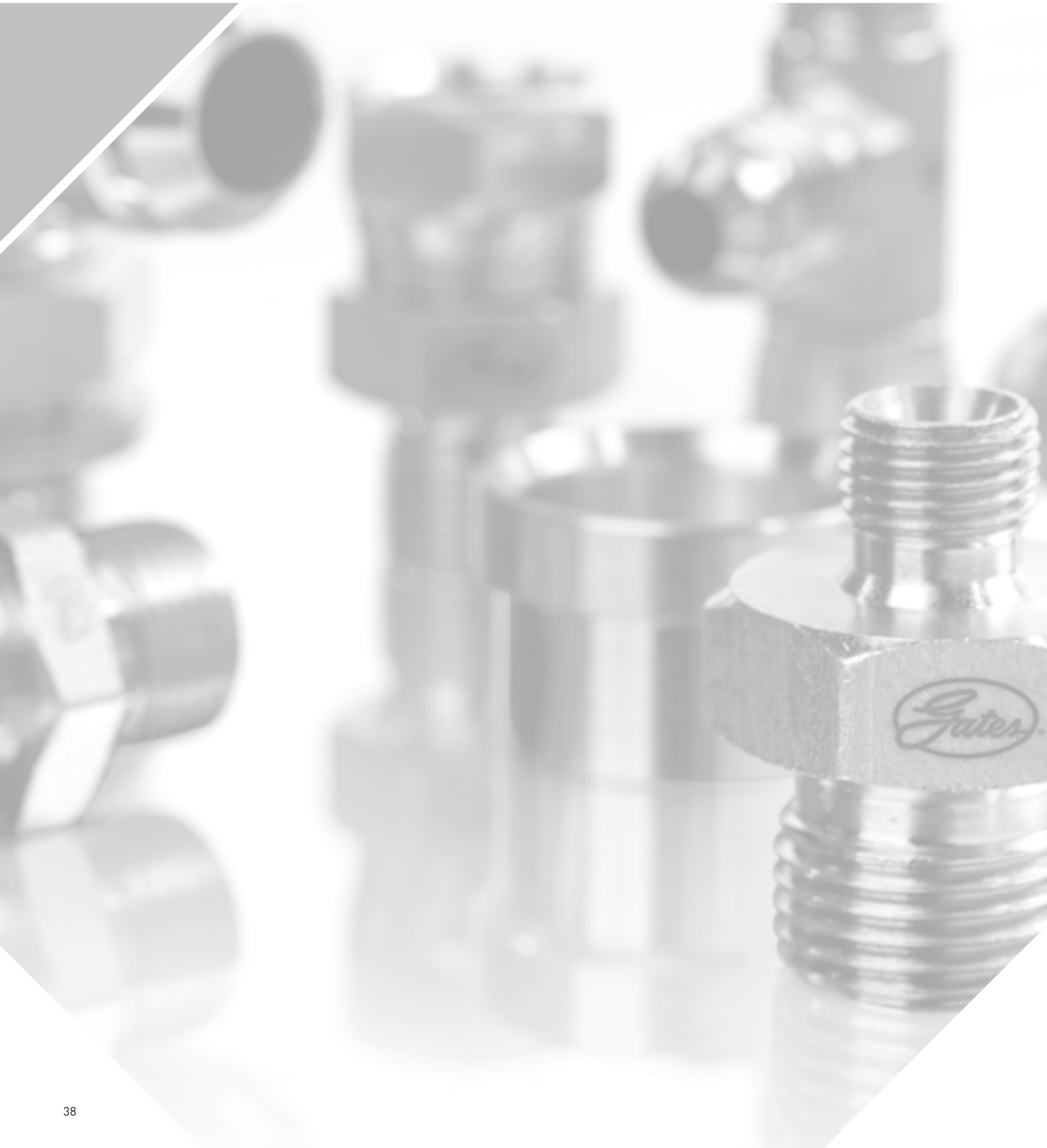
BSPP 60° Female swivel cap



			
REF.	T	L	S
BSP	BSPP	mm	mm
2FBSPPX-CAP	1/8-28	13,8	14,0
4FBSPPX-CAP	1/4-19	16,9	19,0
6FBSPPX-CAP	3/8-19	17,4	22,0
8FBSPPX-CAP	1/2-14	20,2	27,0
10FBSPPX-CAP	5/8-14	19,6	30,0
12FBSPPX-CAP	3/4-14	21,9	32,0
16FBSPPX-CAP	1-11	23,6	41,0
20FBSPPX-CAP	1 1/4-11	28,4	50,0
24FBSPPX-CAP	1 1/2-11	28,5	55,0
32FBSPPX-CAP	2-11	31,5	70,0

HYDRAULIC ADAPTORS

THE WORLD OF ADAPTORS



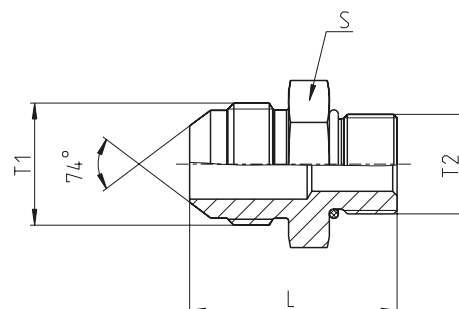
JIC



JIC ADAPTORS ISO 8434-2 & SAE J514

JIC MJ-MMOR

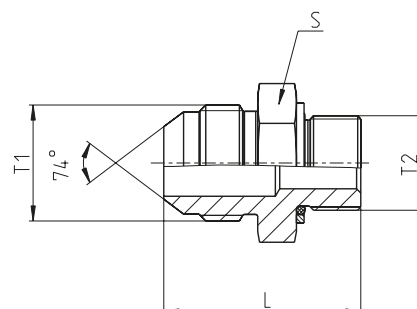
JIC 37° Male / Male metric with O-ring



				
REF.	T1	T2	L	S
JIC	JIC	Metric	mm	mm
4MJ-10MMOR	7/16-20	M10X1	30,0	14,0
6MJ-14MMOR	9/16-18	M14x1.5	34,0	19,0
6MJ-16MMOR	9/16-18	M16x1.5	36,0	22,0
6MJ-18MMOR	9/16-18	M18x1.5	37,0	24,0
8MJ-16MMOR	3/4-16	M16x1.5	38,0	22,0
8MJ-18MMOR	3/4-16	M18x1.5	39,0	24,0
10MJ-14MMOR	7/8-14	M14x1.5	41,0	24,0
10MJ-18MMOR	7/8-14	M18x1.5	43,0	24,0
10MJ-22MMOR	7/8-14	M22x1.5	44,0	27,0
12MJ-22MMOR	1 1/16-12	M22x1.5	48,0	27,0
12MJ-27MMOR	1 1/16-12	M27x2	51,0	32,0

JIC MJ-MMCOR

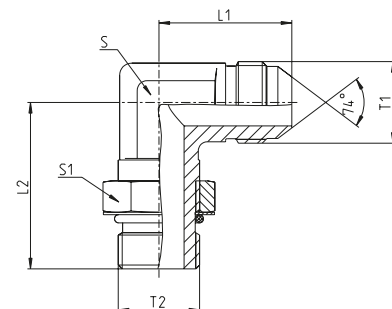
JIC 37° Male / Male metric with O-ring and retaining ring



				
REF.	T1	T2	L	S
JIC	JIC	Metric	mm	mm
6MJ-14MMCOR	9/16-18	M14x1.5	34,0	19,0
6MJ-18MMCOR	9/16-18	M18x1.5	37,0	24,0

JIC MJ-MMAOR90

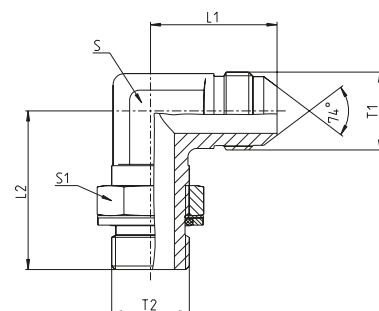
JIC 37° Male / Adjustable male metric 90° elbow with O-ring



						
REF.	T1	T2	L1	L2	S Flats	S1
JIC	JIC	Metric	mm	mm	mm	mm
5MJ-12MMAOR90	1/2-20	M12x1.5	24,0	31,0	13,0	17,0
6MJ-14MMAOR90	9/16-18	M14x1.5	27,0	34,0	14,0	19,0
8MJ-18MMAOR90	3/4-16	M18x1.5	32,0	38,0	19,0	24,0
10MJ-18MMAOR90	7/8-14	M18x1.5	37,0	42,0	22,0	24,0
10MJ-22MMAOR90	7/8-14	M22x1.5	37,0	43,0	22,0	27,0
12MJ-22MMAOR90	1 1/16-12	M22x1.5	42,0	45,0	24,0	27,0
12MJ-27MMAOR90	1 1/16-12	M27x2	42,0	50,0	27,0	32,0

JIC MJ-MMACOR90

JIC 37° Male / Adjustable male metric 90° elbow with O-ring and retaining ring



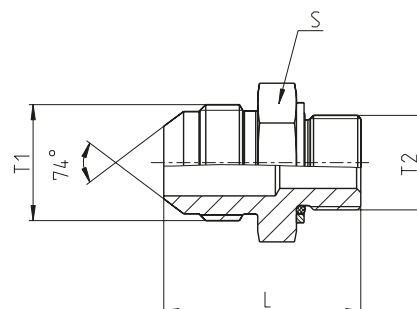
						
REF.	T1	T2	L1	L2	S Flats	S1
JIC	JIC	Metric	mm	mm	mm	mm
4MJ-10MMACOR90	7/16-20	M10x1	23.0	27.0	11.0	13.0

JIC ADAPTORS

ISO 8434-2 & SAE J514

JIC MJ-MBSPPCOR

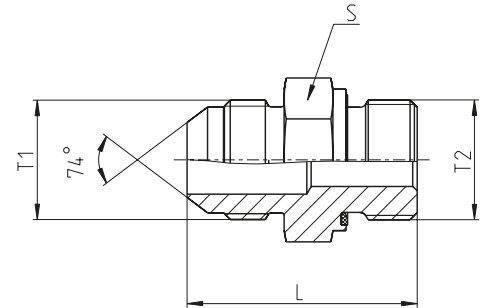
JIC 37° Male / Male BSPP with O-ring and retaining ring



				
REF.	T1	T2	L	S
JIC	JIC	BSPP	mm	mm
4MJ-2MBSPPCOR	7/16-20	1/8-28	28,0	16,0
4MJ-4MBSPPCOR	7/16-20	1/4-19	32,0	19,0
4MJ-6MBSPPCOR	7/16-20	3/8-19	33,0	22,0
4MJ-8MBSPPCOR	7/16-20	1/2-14	39,0	30,0
6MJ-4MBSPPCOR	9/16-18	1/4-19	33,0	19,0
6MJ-2MBSPPCOR	9/16-18	1/8-28	29,0	17,0
6MJ-6MBSPPCOR	9/16-18	3/8-19	33,0	22,0
6MJ-8MBSPPCOR	9/16-18	1/2-14	38,0	30,0
8MJ-6MBSPPCOR	3/4-16	3/8-19	36,0	22,0
8MJ-4MBSPPCOR	3/4-16	1/4-19	35,0	19,0
8MJ-8MBSPPCOR	3/4-16	1/2-14	41,0	30,0
8MJ-12MBSPPCOR	3/4-16	3/4-14	42,0	36,0
8MJ-16MBSPPCOR	3/4-16	1-11	47,0	46,0
10MJ-8MBSPPCOR	7/8-14	1/2-14	43,0	30,0
10MJ-6MBSPPCOR	7/8-14	3/8-19	39,0	24,0
10MJ-12MBSPPCOR	7/8-14	3/4-14	45,0	36,0
12MJ-12MBSPPCOR	1 1/16-12	3/4-14	48,0	36,0
16MJ-16MBSPPCOR	1 5/16-12	1-11	54,0	46,0
16MJ-12MBSPPCOR	1 5/16-12	3/4-14	49,0	36,0
16MJ-20MBSPPCOR	1 5/16-12	1 1/4-11	55,0	50,0
24MJ-20MBSPPCOR	1 7/8-12	1 1/4-11	60,0	50,0

JIC MJ-MBSPWD

JIC 37° Male / Male BSPP with captive seal

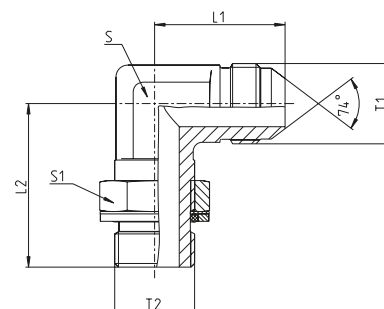


			
REF.	T1	T2	L
JIC	JIC	BSPP	mm
4MJ-2MBSPWD	7/16-20	1/8-28	28,0
4MJ-4MBSPWD	7/16-20	1/4-19	32,0
4MJ-6MBSPWD	7/16-20	3/8-19	33,0
4MJ-8MBSPWD	7/16-20	1/2-14	39,0
5MJ-2MBSPWD	1/2-20	1/8-28	28,0
5MJ-4MBSPWD	1/2-20	1/4-19	32,0
5MJ-6MBSPWD	1/2-20	3/8-19	33,0
6MJ-4MBSPWD	9/16-18	1/4-19	33,0
6MJ-6MBSPWD	9/16-18	3/8-19	33,0
6MJ-8MBSPWD	9/16-18	1/2-14	38,0
8MJ-6MBSPWD	3/4-16	3/8-19	36,0
8MJ-4MBSPWD	3/4-16	1/4-19	35,0
8MJ-8MBSPWD	3/4-16	1/2-14	41,0
8MJ-12MBSPWD	3/4-16	3/4-14	42,0
8MJ-16MBSPWD	3/4-16	1-11	47,0
10MJ-8MBSPWD	7/8-14	1/2-14	43,0
10MJ-6MBSPWD	7/8-14	3/8-19	39,0
10MJ-12MBSPWD	7/8-14	3/4-14	45,0
12MJ-12MBSPWD	1 1/16-12	3/4-14	48,0
12MJ-8MBSPWD	1 1/16-12	1/2-14	47,0
12MJ-16MBSPWD	1 1/16-12	1-11	53,0
16MJ-16MBSPWD	1 5/16-12	1-11	54,0
16MJ-12MBSPWD	1 5/16-12	3/4-14	49,0
16MJ-20MBSPWD	1 5/16-12	1 1/4-11	55,0

JIC ADAPTORS ISO 8434-2 & SAE J514

JIC MJ-MBSPACOR90

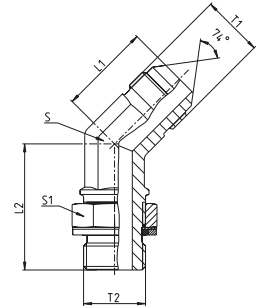
JIC 37° Male / Adjustable male BSPP 90° elbow
with O-ring and retaining ring



						
REF.	T1	T2	L1	L2	S Flats	S1
JIC	JIC	BSPP	mm	mm	mm	mm
4MJ-2MBSPACOR90	7/16-20	1/8-28	23,0	27,0	11,0	14,0
4MJ-4MBSPACOR90	7/16-20	1/4-19	27,0	32,0	14,0	19,0
4MJ-6MBSPACOR90	7/16-20	3/8-19	29,0	27,0	19,0	22,0
5MJ-2MBSPACOR90	1/2-20	1/8-28	24,0	27,0	13,0	14,0
5MJ-4MBSPACOR90	1/2-20	1/4-19	27,0	32,0	14,0	19,0
5MJ-6MBSPACOR90	1/2-20	3/8-19	29,0	37,0	19,0	22,0
6MJ-4MBSPACOR90	9/16-18	1/4-19	27,0	32,0	14,0	19,0
6MJ-6MBSPACOR90	9/16-18	3/8-19	29,0	37,0	19,0	22,0
6MJ-8MBSPACOR90	9/16-18	1/2-14	31,0	43,0	22,0	27,0
8MJ-6MBSPACOR90	3/4-16	3/8-19	32,0	37,0	19,0	22,0
8MJ-4MBSPACOR90	3/4-16	1/4-19	32,0	37,0	19,0	19,0
8MJ-8MBSPACOR90	3/4-16	1/2-14	34,0	43,0	22,0	27,0
8MJ-12MBSPACOR90	3/4-16	3/4-14	36,0	50,0	27,0	36,0
10MJ-8MBSPACOR90	7/8-14	1/2-14	37,0	43,0	22,0	27,0
10MJ-6MBSPACOR90	7/8-14	3/8-19	37,0	36,0	22,0	22,0
10MJ-12MBSPACOR90	7/8-14	3/4-14	39,0	50,0	27,0	36,0
12MJ-12MBSPACOR90	1 1/16-12	3/4-14	42,0	50,0	27,0	36,0
12MJ-8MBSPACOR90	1 1/16-12	1/2-14	42,0	50,0	27,0	27,0
12MJ-16MBSPACOR90	1 1/16-12	1-11	45,0	52,0	33,0	41,0
16MJ-16MBSPACOR90	1 5/16-12	1-11	46,0	52,0	33,0	41,0
16MJ-12MBSPACOR90	1 5/16-12	3/4-14	46,0	47,0	33,0	36,0
20MJ-20MBSPACOR90	1 5/8-12	1 1/4-11	52,0	57,0	41,0	50,0
24MJ-24MBSPACOR90	1 7/8-12	1 1/2-11	59,0	61,0	48,0	55,0

JIC MJ-MBSPACOR45

JIC 37° Male / Adjustable male BSPP 45° elbow with O-ring and retaining ring

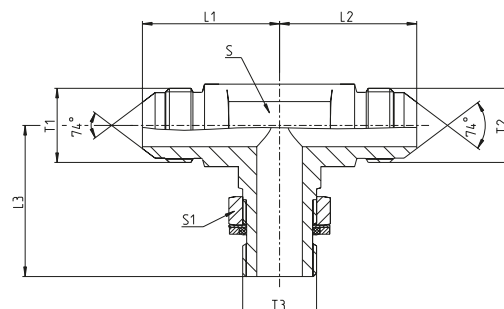


						
REF.	T1	T2	L1	L2	S Flats	S1
JIC	JIC	BSPP	mm	mm	mm	mm
4MJ-2MBSPACOR45	7/16-20	1/8-28	18,0	27,0	11,0	14,0
4MJ-4MBSPACOR45	7/16-20	1/4-19	21,0	29,0	14,0	19,0
6MJ-4MBSPACOR45	9/16-18	1/4-19	21,0	29,0	14,0	19,0
6MJ-6MBSPACOR45	9/16-18	3/8-19	22,0	33,0	19,0	22,0
6MJ-8MBSPACOR45	9/16-18	1/2-14	22,0	39,0	22,0	27,0
8MJ-6MBSPACOR45	3/4-16	3/8-19	25,0	33,0	19,0	22,0
8MJ-8MBSPACOR45	3/4-16	1/2-14	25,0	39,0	22,0	27,0
10MJ-8MBSPACOR45	7/8-14	1/2-14	28,0	39,0	22,0	27,0
10MJ-12MBSPACOR45	7/8-14	3/4-14	30,0	44,0	27,0	36,0
12MJ-12MBSPACOR45	1 1/16-12	3/4-14	33,0	44,0	27,0	36,0
16MJ-16MBSPACOR45	1 5/16-12	1-11	37,0	47,0	33,0	41,0

JIC ADAPTORS ISO 8434-2 & SAE J514

JIC MJ-MJ-MBSPACOR

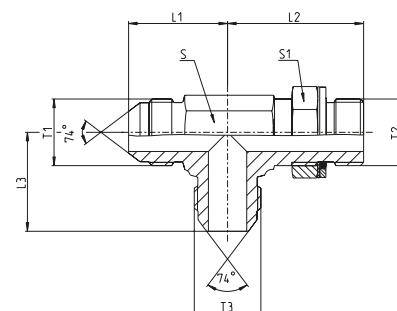
JIC 37° Male / Male / Adjustable male BSPP with O-ring and retaining ring "Branch T"



							
REF.	T1	T2	T3	L1 . L2	L3	S Flats	S1
JIC	JIC	JIC	BSPP	mm	mm	mm	mm
4MJ-4MJ-2MBSPACOR	7/16-20	7/16-20	1/8-28	23,0	27,0	11,0	14,0
6MJ-6MJ-4MBSPACOR	9/16-18	9/16-18	1/4-19	27,0	32,0	14,0	19,0
8MJ-8MJ-6MBSPACOR	3/4-16	3/4-16	3/8-19	32,0	37,0	19,0	22,0
8MJ-8MJ-8MBSPACOR	3/4-16	3/4-16	1/2-14	34,0	44,0	22,0	27,0
10MJ-10MJ-8MBSPACOR	7/8-14	7/8-14	1/2-14	27,0	43,0	22,0	27,0
12MJ-12MJ-12MBSPACOR	1 1/16-12	1 1/16-12	3/4-14	42,0	50,0	27,0	36,0
16MJ-16MJ-16MBSPACOR	1 5/16-12	1 5/16-12	1-11	46,0	52,0	33,0	41,0

JIC MJ-MBSPACOR-MJ

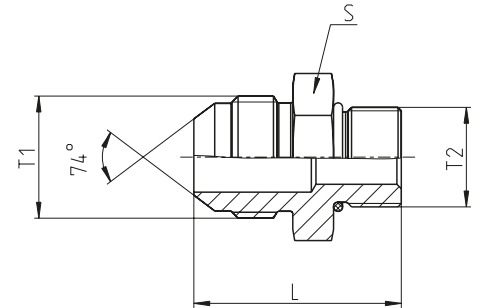
JIC 37° Male / Adjustable male BSPP with O-ring and retaining ring / Male "Run T"



							
REF.	T1	T2	T3	L1 . L3	L2	S Flats	S1
JIC	JIC	BSPP	JIC	mm	mm	mm	mm
4MJ-2MBSPACOR-4MJ	7/16-20	1/8-28	7/16-20	23,0	27,0	11,0	14,0
6MJ-4MBSPACOR-6MJ	9/16-18	1/4-19	9/16-18	27,0	32,0	14,0	19,0
8MJ-6MBSPACOR-8MJ	3/4-16	3/8-19	3/4-16	32,0	37,0	19,0	22,0
10MJ-8MBSPACOR-10MJ	7/8-14	1/2-14	7/8-14	37,0	43,0	22,0	27,0
12MJ-12MBSPACOR-12MJ	1 1/16-12	3/4-14	1 1/16-12	42,0	50,0	27,0	27,0
16MJ-16MBSPACOR-16MJ	1 5/16-12	1-11	1 5/16-12	43,0	52,0	33,0	36,0

JIC MJ-MB

JIC 37° Male / Male UN/UNF SAE with O-ring

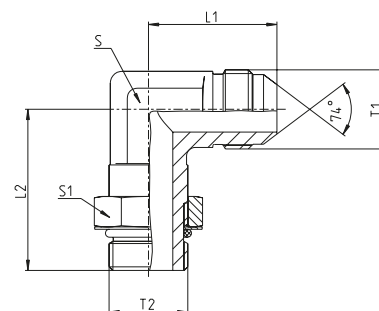


				
REF.	T1	T2	L	S
JIC	JIC	SAE O	mm	mm
4MJ-4MB	7/16-20	7/16-20	31,0	14,0
4MJ-6MB	7/16-20	9/16-18	33,0	17,0
5MJ-5MB	1/2-20	1/2-20	31,0	16,0
5MJ-4MB	1/2-20	7/16-20	31,0	14,0
5MJ-6MB	1/2-20	9/16-18	33,0	17,0
6MJ-6MB	9/16-18	9/16-18	33,0	17,0
6MJ-4MB	9/16-18	7/16-20	32,0	16,0
6MJ-8MB	9/16-18	3/4-16	35,0	22,0
6MJ-10MB	9/16-18	7/8-14	38,0	25,0
6MJ-12MB	9/16-18	1 1/16-12	41,0	32,0
8MJ-8MB	3/4-16	3/4-16	38,0	22,0
8MJ-6MB	3/4-16	9/16-18	37,0	19,0
8MJ-10MB	3/4-16	7/8-14	41,0	27,0
8MJ-12MB	3/4-16	1 1/16-12	45,0	32,0
10MJ-10MB	7/8-14	7/8-14	43,0	27,0
10MJ-8MB	7/8-14	3/4-16	42,0	24,0
10MJ-12MB	7/8-14	1 1/16-12	47,0	32,0
12MJ-12MB	1 1/16-12	1 1/16-12	50,0	32,0
12MJ-8MB	1 1/16-12	3/4-14	49,0	29,0
16MJ-16MB	1 5/16-12	1 5/16-12	52,0	38,0
16MJ-12MB	1 5/16-12	1 1/16-12	52,0	36,0
16MJ-20MB	1 5/16-12	1 5/8-12	54,0	48,0

JIC ADAPTORS ISO 8434-2 & SAE J514

JIC MJ-MBA90

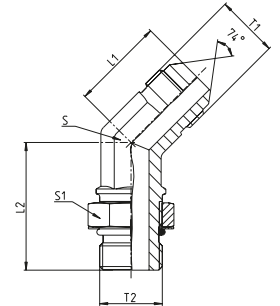
JIC 37° Male / Adjustable male UN/UNF SAE with O-ring 90° elbow



						
REF.	T1	T2	L1	L2	S Flats	S1
JIC	JIC	SAE O	mm	mm	mm	mm
4MJ-4MBA90	7/16-20	7/16-20	23,0	26,0	11,0	14,0
4MJ-6MBA90	7/16-20	9/16-18	27,0	32,0	14,0	17,0
5MJ-5MBA90	1/2-20	1/2-20	24,0	29,0	13,0	17,0
6MJ-6MBA90	9/16-18	9/16-18	27,0	32,0	14,0	17,0
6MJ-4MBA90	9/16-18	7/16-20	27,0	30,0	14,0	14,0
6MJ-8MBA90	9/16-18	3/4-16	29,0	37,0	19,0	22,0
8MJ-8MBA90	3/4-16	3/4-16	32,0	37,0	19,0	22,0
8MJ-10MBA90	3/4-16	7/8-14	34,0	43,0	22,0	27,0
10MJ-10MBA90	7/8-14	7/8-14	37,0	43,0	22,0	27,0
10MJ-12MBA90	7/8-14	1 1/16-12	39,0	49,0	27,0	32,0
12MJ-12MBA90	1 1/16-12	1 1/16-12	42,0	49,0	27,0	32,0
16MJ-16MBA90	1 5/16-12	1 5/16-12	46,0	52,0	33,0	41,0

JIC MJ-MBA45

JIC 37° Male / Adjustable male UN/UNF SAE
with O-ring 45° elbow

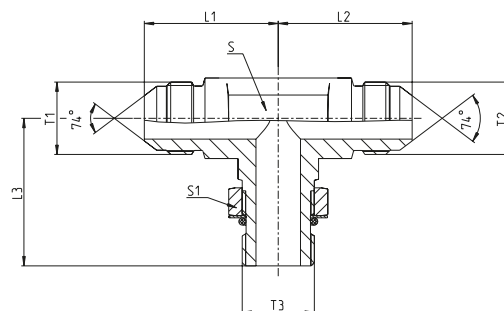


						
REF.	T1	T2	L1	L2	S Flats	S1
JIC	JIC	SAE O	mm	mm	mm	mm
4MJ-4MBA45	7/16-20	7/16-20	18,0	27,0	11,0	14,0
6MJ-6MBA45	9/16-18	9/16-18	21,0	29,0	14,0	17,0
6MJ-8MBA45	9/16-18	3/4-16	22,0	33,0	19,0	22,0
8MJ-8MBA45	3/4-16	3/4-16	25,0	33,0	19,0	22,0
8MJ-6MBA45	3/4-16	9/16-18	25,0	30,0	19,0	17,0
8MJ-10MBA45	3/4-16	7/8-14	25,0	39,0	22,0	25,0
10MJ-10MBA45	7/8-14	7/8-14	28,0	39,0	22,0	27,0
10MJ-8MBA45	7/8-14	3/4-16	28,0	35,0	22,0	22,0
12MJ-12MBA45	1 1/16-12	1 1/16-12	33,0	44,0	27,0	32,0
16MJ-16MBA45	1 5/16-12	1 5/16-12	37,0	47,0	33,0	38,0

JIC ADAPTORS ISO 8434-2 & SAE J514

JIC MJ-MJ-MBA

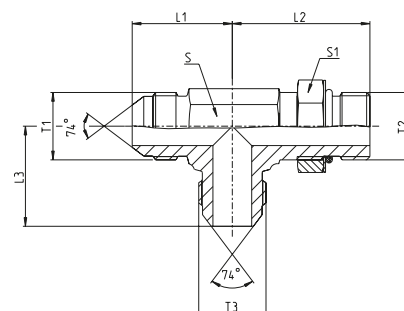
JIC 37° Male / Male / Adjustable male UN/UNF SAE
with O-ring "Branch T"



							
REF.	T1	T2	T3	L1 . L2	L3	S Flats	S1
JIC	JIC	JIC	SAE O	mm	mm	mm	mm
4MJ-4MJ-4MBA	7/16-20	7/16-20	7/16-20	23,0	26,0	11,0	14,0
5MJ-5MJ-5MBA	1/2-20	1/2-20	1/2-20	25,0	29,0	14,0	16,0
6MJ-6MJ-6MBA	9/16-18	9/16-18	9/16-18	27,0	32,0	14,0	17,0
8MJ-8MJ-8MBA	3/4-16	3/4-16	3/4-16	22,0	37,0	19,0	22,0
10MJ-10MJ-10MBA	7/8-14	7/8-14	7/8-14	37,0	43,0	22,0	27,0
12MJ-12MJ-12MBA	1 1/16-12	1 1/16-12	1 1/16-12	42,0	49,0	27,0	32,0
16MJ-16MJ-16MBA	1 5/16-12	1 5/16-12	1 5/16-12	46,0	52,0	33,0	27,0

JIC MJ-MBA-MJ

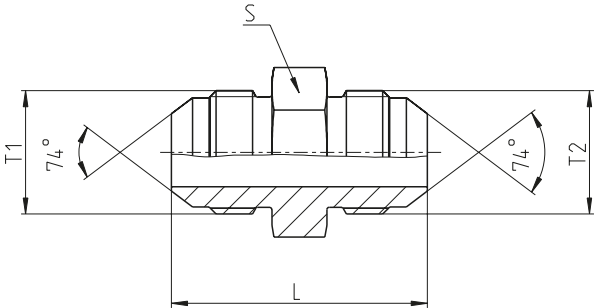
JIC 37° Male / Adjustable male UN/UNF SAE
with O-ring / Male "Run T"



							
REF.	T1	T2	T3	L1 . L3	L2	S Flats	S1
JIC	JIC	SAE O	JIC	mm	mm	mm	mm
4MJ-4MBA-4MJ	7/16-20	7/16-20	7/16-20	23,0	26,0	11,0	14,0
5MJ-5MBA-5MJ	1/2-20	1/2-20	1/2-20	25,0	29,0	14,0	16,0
6MJ-6MBA-6MJ	9/16-18	9/16-18	9/16-18	27,0	32,0	14,0	17,0
8MJ-8MBA-8MJ	3/4-16	3/4-16	3/4-16	22,0	37,0	19,0	22,0
10MJ-10MBA-10MJ	7/8-14	7/8-14	7/8-14	37,0	43,0	22,0	27,0
12MJ-12MBA-12MJ	1 1/16-12	1 1/16-12	1 1/16-12	42,0	49,0	27,0	32,0
16MJ-16MBA-16MJ	1 5/16-12	1 5/16-12	1 5/16-12	46,0	52,0	33,0	27,0

JIC MJ-MJ

JIC 37° Male / Male



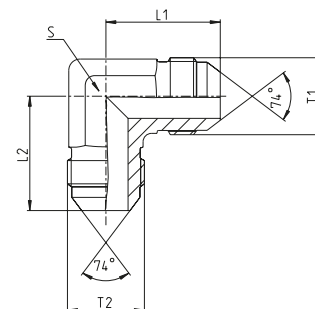
				
REF.	T1	T2	L	S
JIC	JIC	JIC	mm	mm
4MJ-4MJ	7/16-20	7/16-20	35,0	13,0
4MJ-2MJ	7/16-20	5/16-24	32,0	13,0
5MJ-5MJ	1/2-20	1/2-20	35,0	14,0
5MJ-4MJ	1/2-20	7/16-20	35,0	14,0
6MJ-6MJ	9/16-18	9/16-18	36,0	17,0
6MJ-4MJ	9/16-18	7/16-20	36,0	17,0
8MJ-8MJ	3/4-16	3/4-16	41,0	19,0
8MJ-6MJ	3/4-16	9/16-18	39,0	19,0
10MJ-10MJ	7/8-14	7/8-14	48,0	24,0
10MJ-8MJ	7/8-14	3/4-16	45,0	24,0
12MJ-12MJ	1 1/16-12	1 1/16-12	55,0	27,0
16MJ-16MJ	1 5/16-12	1 5/16-12	57,0	36,0

JIC ADAPTORS

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JIC MJ-MJ90

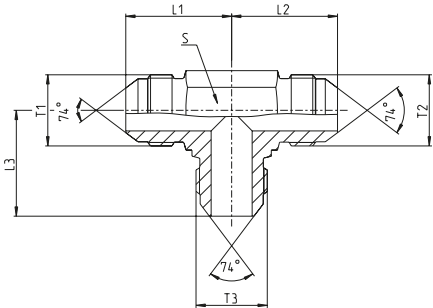
JIC 37° Male / Male 90° elbow



					
REF.	T1	T2	L1	L2	S Flats
JIC	JIC	JIC	mm	mm	mm
4MJ-4MJ90	7/16-20	7/16-20	23,0	23,0	11,0
5MJ-5MJ90	1/2-20	1/2-20	24,0	24,0	13,0
6MJ-6MJ90	9/16-18	9/16-18	27,0	27,0	14,0
6MJ-4MJ90	9/16-18	7/16-20	27,0	27,0	14,0
8MJ-8MJ90	3/4-16	3/4-16	32,0	32,0	19,0
8MJ-6MJ90	3/4-16	9/16-18	32,0	29,0	19,0
10MJ-10MJ90	7/8-14	7/8-14	37,0	37,0	22,0
10MJ-8MJ90	7/8-14	3/4-16	37,0	34,0	22,0
12MJ-12MJ90	1 1/16-12	1 1/16-12	42,0	42,0	27,0
16MJ-16MJ90	1 5/16-12	1 5/16-12	46,0	46,0	33,0

JIC MJ-MJ-MJ

JIC 37° Male / Male / Male "T"



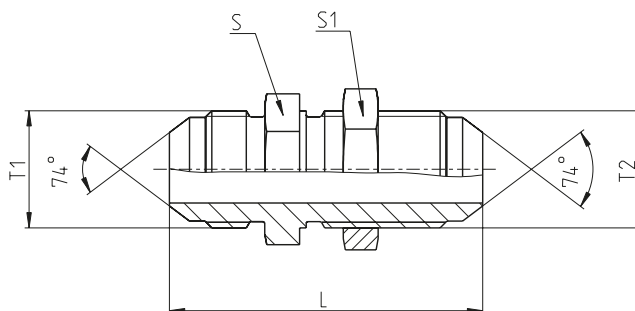
						
REF.	T1	T2	T3	L1 . L2	L3	S Flats
JIC	JIC	JIC	JIC	mm	mm	mm
4MJ-4MJ-4MJ	7/16-20	7/16-20	7/16-20	23,0	23,0	14,0
5MJ-5MJ-5MJ	1/2-20	1/2-20	1/2-20	24,0	24,0	13,0
6MJ-6MJ-6MJ	9/16-18	9/16-18	9/16-18	27,0	27,0	14,0
8MJ-8MJ-8MJ	3/4-16	3/4-16	3/4-16	32,0	32,0	19,0
10MJ-10MJ-10MJ	7/8-14	7/8-14	7/8-14	37,0	37,0	22,0
12MJ-12MJ-12MJ	1 1/16-12	1 1/16-12	1 1/16-12	42,0	42,0	27,0
16MJ-16MJ-16MJ	1 5/16-12	1 5/16-12	1 5/16-12	46,0	46,0	33,0

JIC ADAPTORS

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JIC MJ-MJBKHD

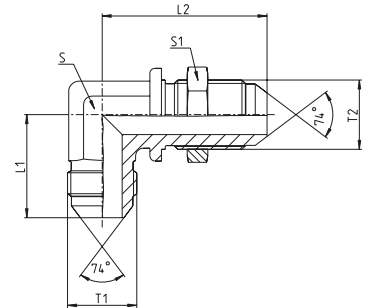
JIC 37° Male / Male bulkhead union
with lock nut



				
REF.	T1	T2	L	S . S1
JIC	JIC	JIC	mm	mm
4MJ-4MJBKHD	7/16-20	7/16-20	53,0	17,0
5MJ-5MJBKHD	1/2-20	1/2-20	53,0	19,0
6MJ-6MJBKHD	9/16-18	9/16-18	55,0	22,0
8MJ-8MJBKHD	3/4-16	3/4-16	62,0	24,0
10MJ-10MJBKHD	7/8-14	7/8-14	70,0	30,0
12MJ-12MJBKHD	1 1/16-12	1 1/16-12	79,0	36,0
16MJ-16MJBKHD	1 5/16-12	1 5/16-12	80,0	41,0

JIC MJ-MJBKHD90

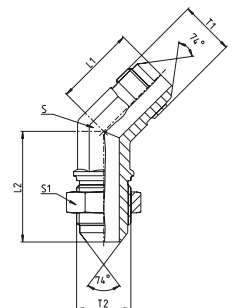
JIC 37° Male / Male bulkhead 90° union elbow with lock nut



						
REF.	T1	T2	L1	L2	S Flats	S1
JIC	JIC	JIC	mm	mm	mm	mm
4MJ-4MJBKHD90	7/16-20	7/16-20	25,0	40,0	11,0	17,0
5MJ-5MJBKHD90	1/2-20	1/2-20	27,0	44,0	13,0	19,0
6MJ-6MJBKHD90	9/16-18	9/16-18	28,0	46,0	14,0	22,0
8MJ-8MJBKHD90	3/4-16	3/4-16	36,0	54,0	19,0	24,0
10MJ-10MJBKHD90	7/8-14	7/8-14	40,0	61,0	22,0	30,0
12MJ-12MJBKHD90	1 1/16-12	1 1/16-12	45,0	68,0	27,0	36,0
16MJ-16MJBKHD90	1 5/16-12	1 5/16-12	49,0	71,0	33,0	41,0

JIC MJ-MJBKHD45

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

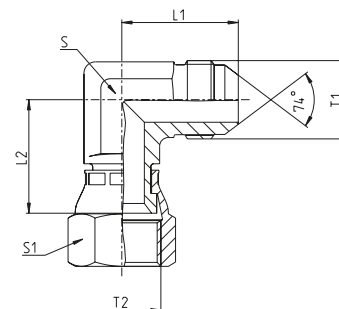


						
REF.	T1	T2	L1	L2	S Flats	S1
JIC	JIC	JIC	mm	mm	mm	mm
4MJ-4MJBKHD45	7/16-20	7/16-20	18,0	39,0	11,0	17,0
5MJ-5MJBKHD45	1/2-20	1/2-20	20,0	42,0	14,0	19,0
6MJ-6MJBKHD45	9/16-18	9/16-18	21,0	42,0	14,0	22,0
8MJ-8MJBKHD45	3/4-16	3/4-16	25,0	49,0	19,0	24,0
10MJ-10MJBKHD45	7/8-14	7/8-14	28,0	55,0	22,0	30,0
12MJ-12MJBKHD45	1 1/16-12	1 1/16-12	33,0	62,0	27,0	36,0
16MJ-16MJBKHD45	1 5/16-12	1 5/16-12	37,0	65,0	33,0	41,0

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JIC MJ-FJX90

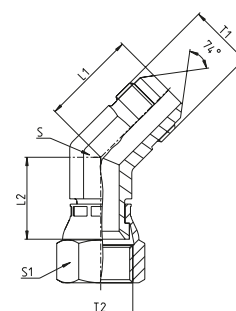
JIC 37° Male / Female swivel 90° elbow



						
REF.	T1	T2	L1	L2	S Flats	S1
JIC	JIC	JIC F	mm	mm	mm	mm
4MJ-4FJX90	7/16-20	7/16-20	23,0	17,0	11,0	14,0
5MJ-5FJX90	1/2-20	1/2-20	24,0	17,0	13,0	17,0
6MJ-6FJX90	9/16-18	9/16-18	27,0	22,0	14,0	19,0
8MJ-8FJX90	3/4-16	3/4-16	32,0	24,0	19,0	22,0
10MJ-10FJX90	7/8-14	7/8-14	37,0	28,0	22,0	27,0
12MJ-12FJX90	1 1/16-12	1 1/16-12	42,0	30,0	27,0	32,0
14MJ-14FJX90	1 3/16-12	1 3/16-12	46,0	34,0	33,0	35,0
16MJ-16FJX90	1 5/16-12	1 5/16-12	46,0	36,0	33,0	38,0

JIC MJ-FJX45

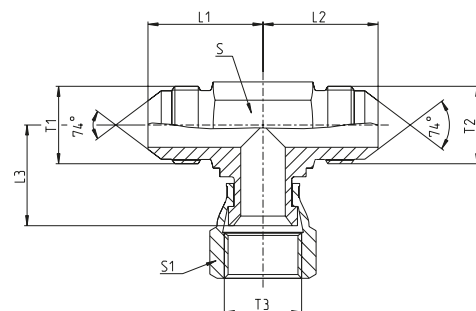
JIC 37° Male / Female swivel 45° elbow



						
REF.	T1	T2	L1	L2	S Flats	S1
JIC	JIC	JIC F	mm	mm	mm	mm
4MJ-4FJX45	7/16-20	7/16-20	18,0	15,0	11,0	14,0
5MJ-5FJX45	1/2-20	1/2-20	20,0	16,0	14,0	17,0
6MJ-6FJX45	9/16-18	9/16-18	21,0	19,0	14,0	19,0
8MJ-8FJX45	3/4-16	3/4-16	25,0	22,0	19,0	22,0
10MJ-10FJX45	7/8-14	7/8-14	28,0	24,0	22,0	27,0
12MJ-12FJX45	1 1/16-12	1 1/16-12	33,0	24,0	27,0	32,0
16MJ-16FJX45	1 5/16-12	1 5/16-12	37,0	29,0	33,0	38,0

JIC MJ-MJ-FJX

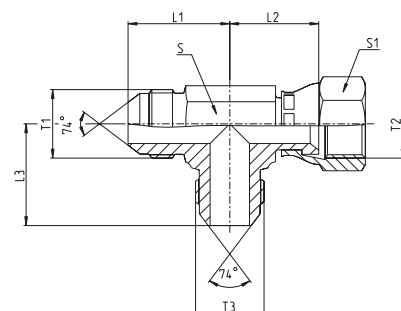
JIC 37° Male / Male / Female swivel "Branch T"



							
REF.	T1	T2	T3	L1 . L2	L3	S Flats	S1
JIC	JIC	JIC	JIC F	mm	mm	mm	mm
4MJ-4MJ-4FJX	7/16-20	7/16-20	7/16-20	23,0	17,0	11,0	14,0
5MJ-5MJ-5FJX	1/2-20	1/2-20	1/2-20	24,0	17,0	13,0	17,0
6MJ-6MJ-6FJX	9/16-18	9/16-18	9/16-18	27,0	22,0	14,0	19,0
8MJ-8MJ-8FJX	3/4-16	3/4-16	3/4-16	32,0	24,0	19,0	22,0
10MJ-10MJ-10FJX	7/8-14	7/8-14	7/8-14	37,0	28,0	22,0	27,0
12MJ-12MJ-12FJX	1 1/16-12	1 1/16-12	1 1/16-12	42,0	38,0	27,0	32,0
16MJ-16MJ-16FJX	1 5/16-12	1 5/16-12	1 5/16-12	46,0	36,0	33,0	38,0

JIC MJ-FJX-MJ

JIC 37° Male / Female swivel / Male "Run T"



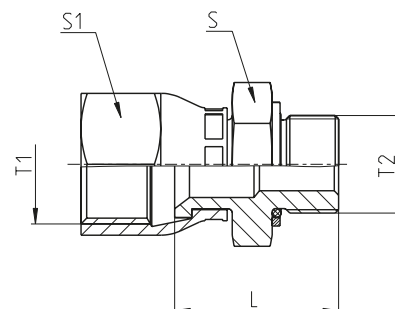
							
REF.	T1	T2	T3	L1 . L3	L2	S Flats	S1
JIC	JIC	JIC F	JIC	mm	mm	mm	mm
4MJ-4FJX-4MJ	7/16-20	7/16-20	7/16-20	23,0	17,0	11,0	14,0
5MJ-5FJX-5MJ	1/2-20	1/2-20	1/2-20	24,0	17,0	13,0	17,0
6MJ-6FJX-6MJ	9/16-18	9/16-18	9/16-18	27,0	22,0	14,0	19,0
8MJ-8FJX-8MJ	3/4-16	3/4-16	3/4-16	32,0	24,0	19,0	22,0
10MJ-10FJX-10MJ	7/8-14	7/8-14	7/8-14	37,0	28,0	22,0	27,0
12MJ-12FJX-12MJ	1 1/16-12	1 1/16-12	1 1/16-12	42,0	38,0	27,0	32,0
14MJ-14FJX-14MJ	1 3/16-12	1 3/16-12	1 3/16-12	46,0	34,0	33,0	35,0
16MJ-16FJX-16MJ	1 5/16-12	1 5/16-12	1 5/16-12	46,0	36,0	33,0	38,0

JIC ADAPTORS

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JIC FJX-MBSPCOR

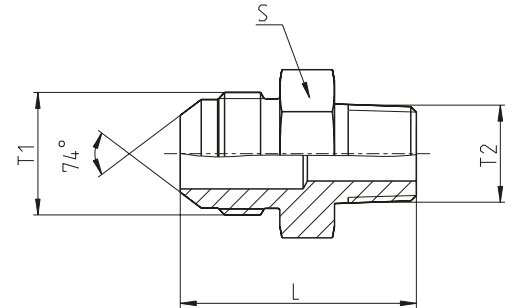
JIC 37° Female swivel / Male BSPP with O-ring and retaining ring



					
REF.	T1	T2	L	S	S1 Swivel
JIC	JIC F	BSPP	mm	mm	mm
4FJX-2MBSPCOR	7/16-20	1/8-28	24,6	17,0	14,0
4FJX-4MBSPCOR	7/16-20	1/4-19	27,2	19,0	14,0
5FJX-2MBSPCOR	1/2-20	1/8-28	24,6	16,0	17,0
6FJX-4MBSPCOR	9/16-18	1/4-19	29,2	19,0	19,0
6FJX-6MBSPCOR	9/16-18	3/8-19	30,2	22,0	19,0
8FJX-6MBSPCOR	3/4-16	3/8-19	32,2	22,0	22,0
8FJX-8MBSPCOR	3/4-16	1/2-14	35,5	30,0	22,0
10FJX-8MBSPCOR	7/8-14	1/2-14	38,5	30,0	27,0
12FJX-12MBSPCOR	1 1/16-12	3/4-14	40,5	36,0	32,0
16FJX-16MBSPCOR	1 5/16-12	1-11	46,6	46,0	38,0
20FJX-20MBSPCOR	1 5/8-12	1 1/4-11	50,6	50,0	50,0
24FJX-24MBSPCOR	1 7/8-12	1 1/2-11	54,6	55,0	60,0

JIC MJ-MP

JIC 37° Male / Male NPT



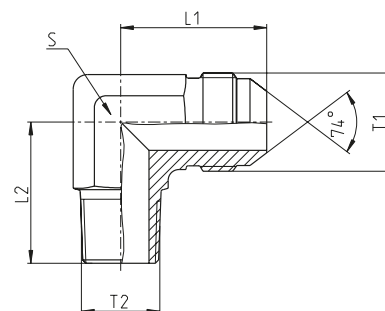
				
REF.	T1	T2	L	S
JIC	JIC	NPT	mm	mm
4MJ-2MP	7/16-20	Z1/8-27	31,0	16,0
4MJ-4MP	7/16-20	Z1/4-18	36,0	14,0
4MJ-6MP	7/16-20	Z3/8-18	37,0	19,0
5MJ-2MP	1/2-20	Z1/8-27	31,0	14,0
5MJ-4MP	1/2-20	Z1/4-18	36,0	14,0
6MJ-4MP	9/16-18	Z1/4-18	36,0	17,0
6MJ-6MP	9/16-18	Z3/8-18	36,0	19,0
6MJ-8MP	9/16-18	Z1/2-14	43,0	22,0
8MJ-6MP	3/4-16	Z3/8-18	39,0	19,0
8MJ-8MP	3/4-16	Z1/2-14	46,0	22,0
8MJ-12MP	3/4-16	Z3/4-14	47,0	27,0
10MJ-8MP	7/8-14	Z1/2-14	48,0	24,0
10MJ-6MP	7/8-14	Z3/8-18	43,0	24,0
10MJ-12MP	7/8-14	Z3/4-14	50,0	27,0
12MJ-12MP	1 1/16-12	Z3/4-14	52,0	27,0
16MJ-16MP	1 5/16-12	Z1-11.5	57,0	36,0

JIC ADAPTORS

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JIC MJ-MP90

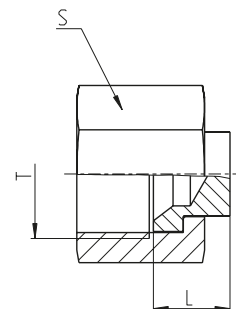
JIC 37° Male / Male NPT 90° elbow



					
REF.	T1	T2	L1	L2	S Flats
JIC	JIC	NPT	mm	mm	mm
4MJ-2MP90	7/16-20	Z1/8-27	23,0	20,0	11,0
4MJ-4MP90	7/16-20	Z1/4-18	27,0	28,0	14,0
6MJ-4MP90	9/16-18	Z1/4-18	27,0	28,0	14,0
6MJ-6MP90	9/16-18	Z3/8-18	29,0	31,0	19,0
6MJ-8MP90	9/16-18	Z1/2-14	31,0	37,0	22,0
8MJ-8MP90	3/4-16	Z1/2-14	34,0	37,0	22,0
10MJ-8MP90	7/8-14	Z1/2-14	37,0	37,0	22,0
12MJ-12MP90	1 1/16-12	Z3/4-14	42,0	40,0	27,0
16MJ-16MP90	1 5/16-12	Z1-11.5	46,0	50,0	33,0

JIC FJ CAP

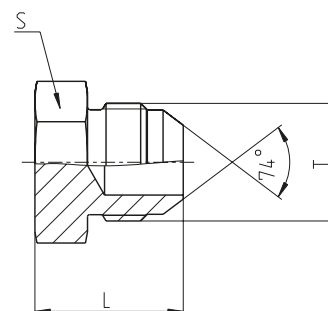
JIC 37° Female swivel cap



			
REF.	T	L	S
JIC	JIC	mm	mm
4FJ-CAP	7/16-20	9,0	14,0
5FJ-CAP	1/2-20	10,0	17,0
6FJ-CAP	9/16-18	12,0	19,0
8FJ-CAP	3/4-16	14,0	22,0
10FJ-CAP	7/8-14	14,0	27,0
12FJ-CAP	1 1/16-12	17,0	32,0
16FJ-CAP	1 5/16-12	16,0	41,0

JIC MJ PLUG

JIC 37° Male plug



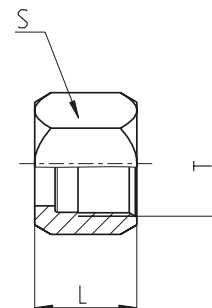
			
REF.	T	L	S
JIC	JIC	mm	mm
4MJ-PLUG	7/16-20	20,0	13,0
5MJ-PLUG	1/2-20	20,0	14,0
6MJ-PLUG	9/16-18	21,0	17,0
8MJ-PLUG	3/4-16	24,0	19,0
10MJ-PLUG	7/8-14	28,0	24,0
12MJ-PLUG	1 1/16-12	33,0	27,0
16MJ-PLUG	1 5/16-12	34,0	36,0

JIC ADAPTORS

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JIC FJ NUT

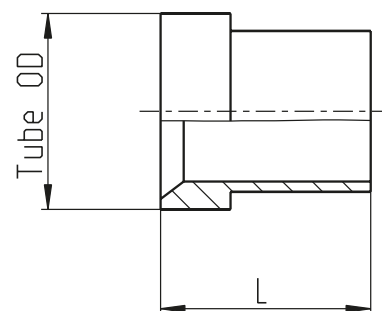
JIC 37° Female nut



			
REF.	T	L	S
JIC	JIC	mm	mm
4FJ-NUT	7/16-20	15,8	14,0
5FJ-NUT	1/2-20	17,3	17,0
6FJ-NUT	9/16-18	18,5	19,0
8FJ-NUT	3/4-16	21,6	22,0
10FJ-NUT	7/8-14	24,9	27,0
12FJ-NUT	1 1/16-12	26,2	32,0
16FJ-NUT	1 5/16-12	28,7	41,0
20FJ-NUT	1 5/8-12	31,2	50,0
24FJ-NUT	1 7/8-12	36,1	60,0

JIC TS METRIC

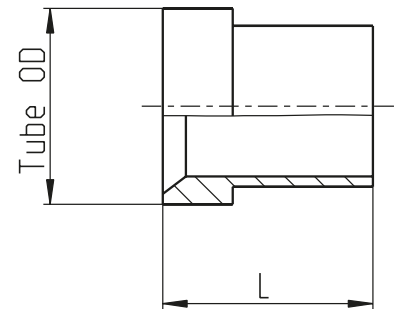
JIC 37° Tube end sleeve for metric tubes



		
REF.	Tube OD	L
JIC	mm	mm
6TS	6	10,4
8TS	8	11,2
10TS	10	12,7
12TS	12	14,2
16TS	16	16,8
20TS	20	17,3
25TS	25	19,8
30TS	30	23,1
38TS	38	28,4

JIC TS IMPERIAL

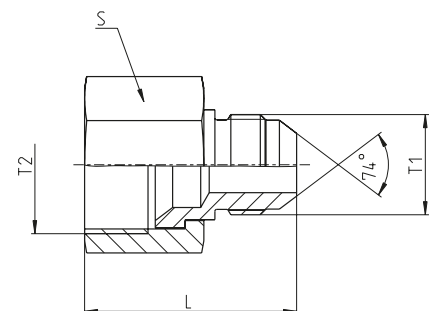
JIC 37° Tube end sleeve for imperial tubes



		
REF.	Tube OD	L
JIC	inches	mm
TS04	1/4	10,4
TS05	5/16	11,2
TS06	3/8	12,7
TS08	1/2	14,2
TS10	5/8	16,8
TS12	3/4	17,3
TS16	1	19,8

JIC FJX-MJ

JIC 37° Female swivel / Male tube reducer



				
REF.	T1	T2	L	S
JIC	JIC F	JIC	mm	mm
6FJX-4MJ	9/16-18	7/16-20	23,0	19,0
8FJX-6MJ	3/4-16	9/16-18	23,0	22,0
10FJX-4MJ	7/8-14	7/16-20	26,0	27,0
10FJX-6MJ	7/8-14	9/16-18	29,0	27,0
10FJX-8MJ	7/8-14	3/4-16	22,0	27,0
12FJX-4MJ	1 1/16-12	7/16-20	28,0	32,0
12FJX-8MJ	1 1/16-12	3/4-16	27,0	32,0
12FJX-10MJ	1 1/16-12	7/8-14	26,0	32,0
16FJX-6MJ	1 5/16-12	9/16-18	31,0	41,0
16FJX-10MJ	1 5/16-12	7/8-14	30,0	41,0
16FJX-12MJ	1 5/16-12	1 1/16-12	35,0	41,0
24FJX-16MJ	1 7/8-12	1 5/16-12	41,0	60,0

HYDRAULIC ADAPTORS



ENGINEERING AND TECHNICAL DATA



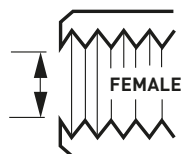
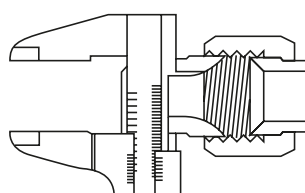
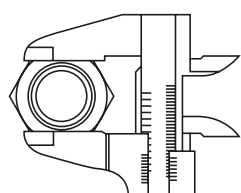


ADAPTOR THREAD IDENTIFICATION

Following the steps below will enable you to identify an unknown adaptor thread in a short period of time.

Step 1

Measure diameter of thread, outside of male threads and inside of female threads.



Step 2

Refer to the "Thread size identification guide" (see page 68) for details of adaptor type and size.

9.1							
9.9							
10.3					1/8"-27 NPTF	2MP	
10.5							
11.0		7/16"-20 UNF 7/16"-20 UNF	4MJ 4MS	7/16"-24 UNS 7/16"-20 UNF	4MIX 4MFA	7/16"-20 UNF	4MB
11.5							
11.7							
11.9							
12.0					M12 x 1.5	6MDL	
12.5		1/2"-20 UNF	5MJ	1/2"-20 UNF 1/2"-20 UNF	5MIX 5MFA	1/2"-20 UNF	5MB
12.9							
13.0					1/4"-19 BSP	4MBSP	
13.6	1/4"-19 BSP	4MBSP					
13.9					1/4"-18 NPTF	4MP	
14.0					M14 x 1.5	8MDL	
14.1		9/16"-18 UNF	6MJ	9/16"-18 UNF	6MFA	9/16"-18 UNF 9/16"-18 UNF 9/16"-18 UNF	6MB 4MFFOR 6MBX
14.5							
15.2							
15.5							
15.7		5/8"-18 UNF	6MS	5/8"-18 UNF	6MIX		
15.9							
16.0					M16 x 1.5 M16 x 1.5	8MDH 10MDL	
16.5					3/8"-19 BSP	6MBSP	

e.g. If outside diameter is 11.0 mm male would be 4MJ.

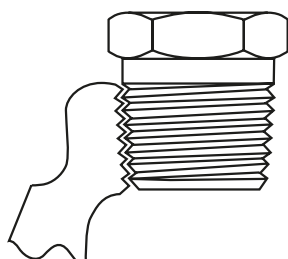
					
1/4"-18 NPSM	4FPX				9.1
		7/16"-20 UNF 7/16"-20 UNF	4FJX 4FSX		9.9
M12 x 1.5 M12 x 1.5	6FDLORX 6FDLX				10.3
					10.5
					11.0
		1/2"-20 UNF 1/2"-20 UNF	5FJX 5FSX		11.5
1/4"-19 BSP	4FBSPORX	1/4"-19 BSP	4FJISX		11.7
3/8"-18 NPSM	6FPX				11.9
					12.0
M14 x 1.5 M14 x 1.5 M14 x 1.5	8FDLX 6FDHORX 8FDLORX	M14 x 1.5	4FKX		12.5
		9/16"-18 UNF	6FJX	9/16"-18 UNF	12.9
				4FFORX	13.0
					13.5
					13.9
					14.0
					14.1
M16 x 1.5 M16 x 1.5 M16 x 1.5 M16 x 1.5	10FDLORX 8FDHORX 8FDHX 10FDLX				14.5
3/8"-19 BSP	4FBSPORX	3/8"-19 BSP	4FJISX	3/8"-19 BSP	15.2
1/2"-14 NPSM	8FPX	5/8"-18 UNF	4FSX		15.5
				11/16"-16 UN	15.7
				6FFORX	15.9
M18 x 1.5 M18 x 1.5 M18 x 1.5 M18 x 1.5	10FDHORX 12FDLORX 10FDHX 12FDLX	M18 x 1.5	4FKX		16.0
					16.5

e.g. If inside diameter is 9.9 mm female would be 4FJX.

N.B. On MP/MB and MBSBPT/MT taper threads the maximum Ø is given.

Step 3

Check the adaptor thread. With a thread gauge you can check the number of threads per inch (for imperial adaptors) or the pitch of the threads (for metric adaptors).



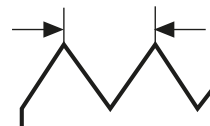
Imperial threads

No. of threads
per inch



Metric threads

pitch



N.B. Coupling thread identification kits containing reference charts, vernier, seat gauges and thread gauges are available. Please ask for details.

HYDRAULIC ADAPTORS

THREAD SIZE IDENTIFICATION GUIDE

						
9.1						
9.9						
10.3				1/8"-27 NPTF	2MP	
10.5						
11.0			7/16"-20 UNF 7/16"-20 UNF	4MJ 4MS	7/16"-24 UNS 7/16"-20 UNF	4MIX 4MFA
11.5						7/16"-20 UNF
11.7						4MB
11.9						
12.0				M12 x 1.5	6MDL	
12.5			1/2"-20 UNF	5MJ	1/2"-20 UNF 1/2"-20 UNF	5MIX 5MFA
12.9						1/2"-20 UNF
13.0						5MB
13.6	1/4"-19 BSP	4MBSPT		1/4"-19 BSP	4MBSPP	
13.9				1/4"-18 NPTF	4MP	
14.0				M14 x 1.5	8MDL	
14.1			9/16"-18 UNF	6MJ	9/16"-18 UNF	6MFA
14.5						9/16"-18 UNF 9/16"-18 UNF 9/16"-18 UNF
15.2						6MB 4MFFOR 6MBX
15.5						
15.7			5/8"-18 UNF	6MS	5/8"-18 UNF	6MIX
15.9						
16.0					M16 x 1.5 M16 x 1.5 3/8"-19 BSP	8MDH 10MDL 6MBSPP
16.5						
17.1	3/8"-19 BSP	6MBSPT				
17.3				3/8"-18 NPTF 11/16"-18 UNS	6MP 7MIX	11/16"-16 UN
17.5						6MFFOR
18.0				M18 x 1.5 M18 x 1.5	10MDH 12MDL	
18.5						
18.9			3/4"-16 UNF 3/4"-16 UNF	8MJ 8MS	3/4"-18 UNS 3/4"-16 UNF	8MIX 8MFA
19.1						3/4"-16 UNF
20.0					M20 x 1.5 M20 x 1.5	12MDH 13MFG
20.5						
20.8					1/2"-14 BSP	8MBSPP
20.9						1/2"-14 BSP
21.5	1/2"-14 BSP	8MBSPT				8MBFF
21.6						
22.0				1/2"-14 NPTF M22 x 1.5 M22 x 1.5	8MP 14MDH 15MDL	13/16"-16 UN
22.1			7/8"-14 UNF 7/8"-14 UNF	10MJ 10MS	7/8"-14 UNF	10MFA
22.5						7/8"-14 UNF 7/8"-14 UNF
22.8						10MB 10MBX
23.4	5/8"-14 BSP	10MBSPT			5/8"-14 BSP	10MBSPP
23.6						
24.0					M24 x 1.5 M24 x 1.5	16MDH 17MFG
24.4						
24.5						
25.0						
25.2						
25.3						1"-14 UNS
						10MFFOR



						
1/4"-18 NPSM	4FPX		7/16"-20 UNF 7/16"-20 UNF	4FJX 4FSX		9.1
						9.9
						10.3
M12 x 1.5 M12 x 1.5	6FDLORX 6FDLX					10.5
						11.0
			1/2"-20 UNF 1/2"-20 UNF	5FJX 5FSX		11.5
1/4"-19 BSP 3/8"-18 NPSM	4FBSPORX 6FPX		1/4"-19 BSP	4FJISX		11.7
						11.9
						12.0
M14 x 1.5 M14 x 1.5 M14 x 1.5	8FDLX 6FDHORX 8FDLORX	M14 x 1.5		4FKX		12.5
		9/16"-18 UNF	6FJX	9/16"-18 UNF	4FFORX	12.9
						13.0
						13.6
						13.9
						14.0
						14.1
M16 x 1.5 M16 x 1.5 M16 x 1.5 M16 x 1.5	10FDLORX 8FDHORX 8FDHX 10FDLX					14.5
3/8"-19 BSP 1/2"-14 NPSM	6FBSPORX 8FPX	3/8"-19 BSP	6FJISX	3/8"-19 BSP	6FBFFX	15.2
		5/8"-18 UNF	6FSX			15.5
				11/16"-16 UN	6FFORX	15.7
						15.9
						16.0
M18 x 1.5 M18 x 1.5 M18 x 1.5 M18 x 1.5	10FDHORX 12FDLORX 10FDHX 12FDLX	M18 x 1.5	6FKX			16.5
						17.1
						17.3
		3/4"-16 UNF 3/4"-16 UNF	8FSX 8FJX			17.5
						18.0
M20 x 1.5 M20 x 1.5 M20 x 1.5 M20 x 1.5	12FDHORX 14FDLORX 12FDHX 13FFGX					18.5
1/2"-14 BSP	8FBSPORX	1/2"-14 BSP	8FJISX	1/2"-14 BSP	8FBFFX	18.9
3/4"-14 NPSM	12FPX			13/16"-16 UN	8FFORX	19.1
						20.0
M22 x 1.5 M22 x 1.5 M22 x 1.5 M22 x 1.5	14FDHORX 15FDLORX 14FDHX 15FDLX	7/8"-14 UNF M22 x 1.5 7/8"-14 UNF	10FJX 8FKX 10FSX			20.5
						20.8
5/8"-14 BSP	10FBSPORX			5/8"-14 BSP	10FBFFX	20.9
						21.5
						21.6
						22.0
						22.1
M24 x 1.5 M24 x 1.5 M24 x 1.5	17FFGX 16FDHORX 16FDHX	M24 x 1.5	10FKX			22.5
						22.8
						23.4
				1"-14 UNS	10FFORX	23.6
						24.0
3/4"-14 BSP	12FBSPORX	3/4"-14 BSP	12FJISX	3/4"-14 BSP	12FBFFX	24.4
M26 x 1.5 M26 x 1.5	18FDLORX 18FDLX					24.5
		1.1/16"-12 UN	12FJX			25.0
		1.1/16"-14 UNS	12FSX			25.2
						25.3

HYDRAULIC ADAPTORS

THREAD SIZE IDENTIFICATION GUIDE

						
25.4						
26.0						
26.3				M26 x 1.5	18MDL	
26.9				3/4"-14 BSP	12MBSPP	
27.0	3/4"-14 BSP	12MBSPT	1.1/16"-12 UN 1.1/16"-14 UNS	12MJ 12 MS	1.1/16"-12 UN 3/4"-14 NPTF	12MFA 12MP
27.0						1.1/16"-12 UN 1.1/16"-12 UN
28.0						
28.2						
28.5						
30.0			1.3/16"-12 UN	14MJ	M30 x 1.5 M30 x 2.0 M30 x 2.0	21MFG 20MDH 22MDL
30.2						
30.6						
30.7						
31.3						
31.5						
31.8						
33.1					1"-11 BSP	16MBSPP
33.2			1.5/16"-12 UN	16MJ	1.5/16"-12 UN	16MFA
33.7					1"-11.5 NPTF	16MP
33.9	1"-11 BSP	16MBSPT				
34.0						
34.2						
34.4						
34.5						
36.0					M36 x 1.5 M36 x 2.0 M36 x 2.0	27MFG 25MDH 28MDL
36.3						
38.1						1.7/16"-12 UN
39.2						16MFFOR
39.3						
40.5						
40.7						
41.2			1.5/8"-12 UN	20MJ		1.5/8"-12 UN
41.3						
41.4						
41.8						
42.0					1.1/4"-11 BSP	20MBSPP
42.5					M42 x 2.0	30MDH
42.6					1.1/4"-11.5 NPTF	20MP
43.0						
43.5						1.11/16"-12 UN
44.5						20MFFOR
45.0					M45 x 1.5 M45 x 2.0	34MFG 35MDL
45.2						
45.5						
47.5			1.7/8"-12 UN	24MJ		
47.6						
47.7					1.1/2"-11 BSP	24MBSPP/24MU
48.6					1.1/2"-11.5 NPTF	24MP/24MB
48.7						
50.0						
50.8						
52.0					M52 x 1.5 M52 x 2.0 M52 x 2.0	42MFG 38MDH 42MZ52B
54.0						
59.5					2"-11 BSP	32MU
60.3						
60.5	2"-11 BSP	32MT				
60.7					2"-11.5 NPTF	32MP/32MB
61.4						
63.3			2.1/2"-12 UN	32MJ		
63.5						
71.4						
79.4						
79.5						

									
	M27 x 1.5	20RU27A							25.4
									26.0
									26.3
									26.9
									27.0
	M30 x 2.0 M30 x 2.0 M30 x 2.0	20FDHORX 22FDLORX 20FDHX 22FDLX			13/16"-16 UN	12FFORX			28.0
			1.3/16"-12 UN	14FJX					28.2
	M30 x 1.5	21FFGX	M30 x 1.5	12FKX					28.5
									30.0
	1"-11 BSP	16FBSPORX	1"-11 BSP	16FJIX	1"-11 BSP	16FBFFX	1/2" - CODE 61	8FL	30.2
	1"-11.5 NPSM	16FPX							30.6
			1.5/16"-12 UN	16FJX					30.7
			M33 x 1.5	16FKX					31.3
							1/2" - CODE 62	8FLH	31.5
									31.8
									33.1
									33.2
									33.7
									33.9
	M36 x 2.0 M36 x 2.0 M36 x 2.0	25FDHORX 28FDLORX 28FDLX							34.0
							5/8" - KOMATSU	10FLK	34.2
					1.7/16"-12 UN	16FFORX			34.4
	M36 x 1.5	27FFGX	M36 x 1.5	20FKX					34.5
									36.0
									36.3
							3/4" - CODE 61	12FL	38.1
			1.5/8"-12 UN	20FJX					39.2
	1 1/4-11 BSP	20FBSPORX							39.3
									40.5
					1.11/16"-12 UN	20FFORX			40.7
									41.2
							3/4" - CODE 62	12FLH	41.2
							3/4" - CAT	12FLC	41.3
									41.4
	M42 x 2.0	30FDHORX							41.8
									42.0
									42.5
	M45 x 2.0	35FDLORX							42.6
	M45 x 1.5	34FFGX							43.0
							1" - CODE 61	16FL	43.5
									44.5
	1.1/2" -11 BSP	24FBSPORX							45.0
			1.7/8"-12 UN	24FJX/24NJ					45.2
									45.5
							1" - CODE 62	16FLH	47.5
							1" - CAT	16FLC	47.6
									47.7
									48.6
					2"-12 UN	24FFORX/24FF			48.7
	M52 x 2.0 M52 x 1.5 M52 x 1.5	38FDHORX 42RO52A 42FFGX							50.0
							1.1/4" - CODE 61	20FL	50.8
									52.0
							1.1/4" - CAT	20FLC	54.0
	2"-11 BSP	32NU					1.1/4" - CAT	20FLH	54.0
							1.1/2" - CODE 61	24FL/24PA	59.5
									60.3
			2.1/2"-12 UN	32FJX/32NJ					60.5
									60.7
									61.4
									63.3
							1.1/2" - CAT	24FLC	63.5
							1.1/2" - CODE 62	24FLH	63.5
							2" - CODE 61	32FL/32PA	71.4
							2" - CODE 62	32FLH	79.4
							2" - CAT	32FLC	79.5