Adapters

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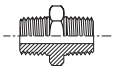
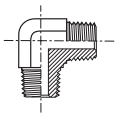
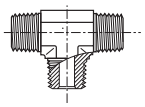
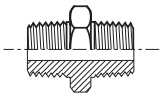
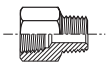
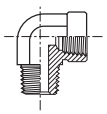
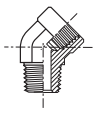
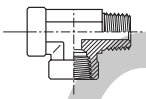
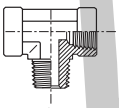
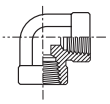
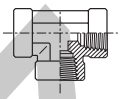
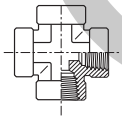
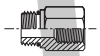
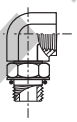
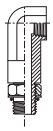
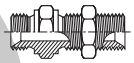
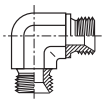
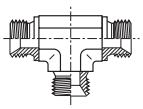
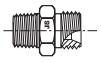
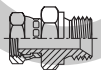
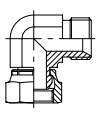
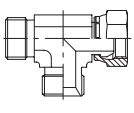
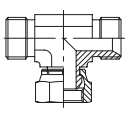
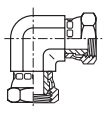
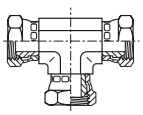
Visual index

NPTF Adapters Male/male	 **FF** / p.N4	 **CR** / p.N5	 **RRS** / p.N5	 **FFFM** / p.N6		
NPTF Adapters Male/Female	**PTRM** / p.N7	 **FGM** / p.N8	 **CDM** / p.N9	 **CD45** / p.N10	 **MRO** / p.N11	 **MMS** / p.N12
NPTF Adapters Female/Female	**GG** / p.N13	 **DD** / p.N14	**DD45** / p.N14	 **MMO** / p.N15	 **KMMOO** / p.N15	
NPTF Plug	**HP** / p.N16	**HHP** / p.N16	UNF/NPTF Adapters	 **F5OG** / p.N17	 **AOEG** / p.N18	 **AOE4G** / p.N18
UNF Adapters	**F5OG5** / p.N19	**F5OHAO** / p.N20	**G5G5JG5** / p.N20	UNF/ Plugs	**P5ONM** / p.N21	**HP5ON** / p.N22
BSPT-BSPP metric-UNF Conversion adapters	**F3HG5** / p.N23	**F4OHG5** / p.N24	**F8OHG5**/ p.N25			
Male/Male adapters BSPP 60° cone, BSPT, NPT	**HMK4** / p.N26	 **WMK4WL4NM** / p.N27	 **EMK4** / p.N28	 **JMK4** / p.N28	 **F3MK4** / p.N38	**FMK4** / p.N40
Male/Female swivel adapters BSPP 60° cone	 **F6MK4** / p.N30	 **C6MK4** / p.N31	 **R6MK4** / p.N32	 **S6MK4** / p.N33		
Female/Female swivel adapters BSPP 60° cone	**H6MK4** / p.N34	 **E6MK4** / p.N35	 **J6MK4** / p.N36			

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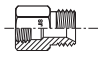
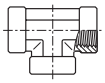
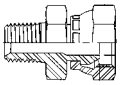
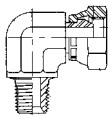
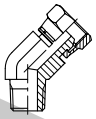
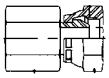
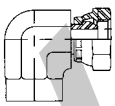
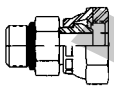
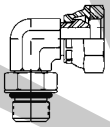
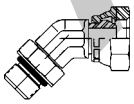
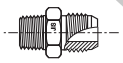
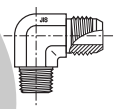
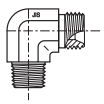
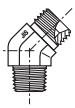
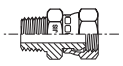
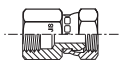
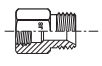
Visual index

BSPP 60° cone Expander/Adapter cap	 **G4MK4** / p.N37	**FNMK4** / p.N39	**PNMK4** / p.N29			
BSPP Adapters Female/Female	**GG44M** / p.N41	 **MMO444M** / p.N42				
Reducing bushes BSPP/BSPT	**PTR34M** / p.N43	BSPT male union and plug	**FF33M** / p.N44	**HP3M** p.N45		
Female swivel NPSM / male NPTF	 **0107** / p.N46	 **2107** / p.N47	 **3107** / p.N48			
Female swivel NPSM / female NPTF	 **0207** / p.N49	 **2207** / p.N50				
Female swivel NPSM / male UNF	 **0507** / p.N51	 **2507** / p.N52	 **3507** / p.N53			
JIS Adapters Male to BSPT	 **F3T4** / p.N54	 **C3T4** / p.N55	**V3T4** / p.N55	**JIS Unions**	**HP4** / p.N56	**HP46** / p.N56
JIS Adapters Female cone to BSPT	**F3P4** / p.N57	 **C3P4** / p.N57	 **V3P4** / p.N58	 **F63P4** / p.N58	 **G63P4** / p.N59	 **G3P4** / p.N59
Seals/ Retaining ring	**Adapter Components** p.N60					

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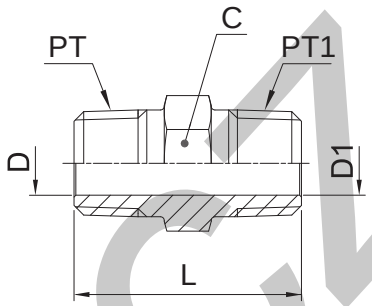
N

FF Male nipple

Male NPTF* thread (SAE J476) / Male NPTF* thread (SAE J476)
SAE 140137
*Stainless Steel = NPT to prevent galling



Thread NPT/NPTF PT	Thread NPT/NPTF PT1	C mm	D mm	D1 mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	1/8-27	11.0	4.8	4.8	27	11	**1/8 FF-S**	**1/8FFMSS**	420	420
1/4-18	1/8-27	16.0	7.1	4.8	32	31	**1/4 X 1/8 FF-S**	**1/4X1/8FFMSS**	420	420
1/4-18	1/4-18	16.0	7.1	7.1	37	28	**1/4 FF-S**	**1/4FFMSS**	420	420
3/8-18	1/8-27	19.0	10.3	4.8	32	45	**3/8 X 1/8 FF-S**	**3/8X1/8FFMSS**	420	420
3/8-18	1/4-18	19.0	10.3	7.0	37	51	**3/8 X 1/4 FF-S**	**3/8X1/4FFMSS**	420	420
3/8-18	3/8-18	19.0	10.3	10.3	37	40	**3/8 FF-S**	**3/8FFMSS**	420	420
1/2-14	1/8-27	22.2	13.5	4.8	39	58	**1/2 X 1/8 FF-S**	**1/2X1/8FFMSS**	420	420
1/2-14	1/4-18	22.2	13.5	7.1	43	88	**1/2 X 1/4 FF-S**	**1/2X1/4FFMSS**	420	420
1/2-14	3/8-18	22.2	13.5	10.3	43	71	**1/2 X 3/8 FF-S**	**1/2X3/8FFMSS**	420	420
1/2-14	1/2-14	22.2	13.5	13.5	48	71	**1/2FFMS**	**1/2FFMSS**	420	420
3/4-14	1/4-18	28.6	18.3	7.1	45	104	**3/4 X 1/4 FF-S**	**3/4X1/4FFMSS**	380	380
3/4-14	3/8-18	28.6	18.3	10.3	45	134	**3/4 X 3/8 FF-S**	**3/4X3/8FFMSS**	380	380
3/4-14	1/2-14	28.6	18.3	13.5	50	161	**3/4 X 1/2 FF-S**	**3/4X1/2FFMSS**	380	380
3/4-14	3/4-14	28.6	18.3	18.3	50	104	**3/4 FF-S**	**3/4FFMSS**	380	380
1-11.5	1-11.5	35.0	23.8	23.8	59	179	**1 FF-S**	**1FFMSS**	380	380
1-11.5	1/4-18	35.0	23.8	7.1	50	188	**1 X 1/4 FF-S**	**1X1/4FFMSS**	380	380
1-11.5	3/4-14	35.0	23.8	18.3	53	195	**1 X 3/4 FF-S**	**1X3/4FFMSS**	380	380
1 1/4-11.5	1-11.5	44.5	31.8	23.8	62	256	**1 1/4 X 1 FF-S**	**11/4X1FFMSS**	350	350
1 1/4-11.5	1 1/4-11.5	44.5	31.8	31.8	63	256	**1 1/4 FF-S**	**11/4FFMSS**	350	350
1 1/2-11.5	1-11.5	50.8	38.1	23.8	65	341	**1 1/2 X 1 FF-S**	**11/2X1FFMX**	210	210
1 1/2-11.5	1 1/2-11.5	50.8	38.1	38.1	66	364	**1 1/2 FF-S**	**11/2FFMSS**	210	210
2-11.5	2-11.5	63.5	49.2	49.2	72	848	**2 FF-S**	**2FFMSS**	170	170

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

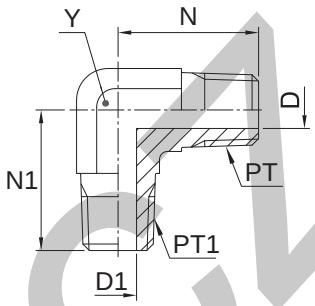
$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOVAL.CZ

CR Male thread elbow

Male NPTF* thread (SAE J476) / Male NPTF* thread (SAE J476)
SAE 140237
*Stainless Steel = NPT to prevent galling



Thread NPT/NPTF PT	Thread NPT/NPTF PT1	D mm	D1 mm	N mm	N1 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	1/8-27	4.8	4.8	20	20	11.0	27	**1/8 CR-S**	**1/8 CR-SS**	420	420
1/4-18	1/4-18	7.1	7.1	28	28	14.0	54	**1/4 CR-S**	**1/4 CR-SS**	420	420
3/8-18	3/8-18	10.3	10.3	31	31	19.0	181	**3/8 CR-S**	**3/8 CR-SS**	420	420
3/8-18	1/4-18	10.3	7.1	31	31	19.0	66	**3/8 X 1/4 CR-S**	**3/8 X 1/4 CR-SS**	420	420
1/2-14	1/2-14	13.5	13.5	37	37	22.0	172	**1/2 CR-S**	**1/2 CR-SS**	420	420
1/2-14	3/8-18	13.5	10.3	37	33	22.0	103	**1/2 X 3/8 CR-S**	**1/2 X 3/8 CR-SS**	420	420
3/4-14	3/4-14	18.3	18.3	40	40	27.0	263	**3/4 CR-S**	**3/4 CR-SS**	280	280
3/4-14	1/2-14	18.3	13.5	40	37	27.0	164	**3/4 X 1/2 CR-S**	**3/4 X 1/2 CR-SS**	280	280
1-11.5	1-11.5	23.8	23.8	50	50	33.3	462	**1 CR-S**	**1 CR-SS**	210	210
1 1/4-11.5	1 1/4-11.5	31.8	31.8	56	56	47.6	782	**1 1/4 CR-S**	**1 1/4 CR-SS**	170	170
1 1/2-11.5	1 1/2-11.5	38.1	38.1	59	59	47.6	782	**1 1/2 CR-S**	**1 1/2 CR-SS**	170	170

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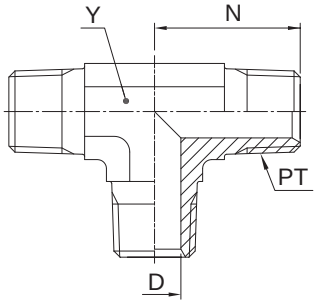
RRS Male thread tee

Male NPTF* thread (SAE J476)
SAE 140437
*Stainless Steel = NPT to prevent galling



Thread NPT/NPTF PT	D mm	N mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	4.8	20	11	33	**1/8 RRS-S**	**1/8 RRS-SS**	420	420
1/4-18	7.1	28	14	56	**1/4 RRS-S**	**1/4 RRS-SS**	420	420
3/8-18	10.3	31	19	92	**3/8 RRS-S**	**3/8 RRS-SS**	420	420
1/2-14	13.5	37	22	96	**1/2 RRS-S**	**1/2 RRS-SS**	420	420
3/4-14	18.3	40	27	235	**3/4 RRS-S**	**3/4 RRS-SS**	280	280

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

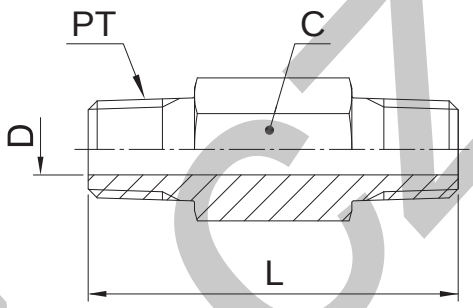
Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

YOVAL.cz

Index

FFFM Extended male nipple

Male NPTF* thread (SAE J476) / Male NPTF* thread (SAE J476)
*Stainless Steel = NPT to prevent galling



Thread NPT/NPTF PT	C mm	D mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	11.0	4.8	38	23	**1/8 X 1.5 FFF-S**	**1/8X1.5FFFMSS**	420	420
1/8-27	11.0	4.8	51	33	**1/8 X 2.0 FFF-S**	**1/8X2.0FFFMSS**	420	420
1/8-27	11.0	4.8	64	41	**1/8 X 2.5 FFF-S**	**1/8X2.5FFFMSS**	420	420
1/8-27	11.0	4.8	76	50	**1/8 X 3.0 FFF-S**	**1/8X3.0FFFMSS**	420	420
1/4-18	16.0	7.1	38	35	**1/4 X 1.5 FFF-S**	**1/4X1.5FFFMSS**	420	420
1/4-18	16.0	7.1	51	51	**1/4 X 2.0 FFF-S**	**1/4X2.0FFFMSS**	420	420
1/4-18	16.0	7.1	64	72	**1/4 X 2.5 FFF-S**	**1/4X2.5FFFMSS**	420	420
1/4-18	16.0	7.1	76	93	**1/4 X 3.0 FFF-S**	**1/4X3.0FFFMSS**	420	420
1/4-18	16.0	7.1	102	110	**1/4 X 4.0 FFF-S**	**1/4X4.0FFFMSS**	420	420
1/2-14	22.2	13.5	51	91	**1/2 X 2.0 FFF-S**	**1/2X2.0FFFMSS**	420	420
1/2-14	22.2	13.5	76	151	**1/2 X 3.0 FFF-S**	**1/2X3.0FFFMSS**	420	420

Order codes shown are part of our current manufacturing programme.

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$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

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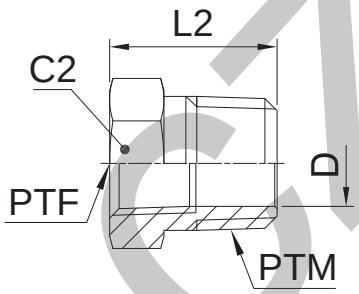
KOVAL67

PTRM Thread reducer

Male NPTF* thread (SAE J476) / Female NPTF* thread (SAE J476)
SAE 140140
*Stainless Steel = NPT to prevent galling



Thread NPT/NPTF PTM	Thread NPT/NPTF PTF	C2 mm	D mm	L2 mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/4-18	1/8-27	16.0	8.3	22	24	**1/4 X 1/8 PTR-S**	**1/4X1/8PTRMSS**	420	420
3/8-18	1/8-27	19.0	8.3	22	25	**3/8 X 1/8 PTR-S**	**3/8X1/8PTRMSS**	420	420
3/8-18	1/4-18	19.0	10.7	22	25	**3/8 X 1/4 PTR-S**	**3/8X1/4PTRMSS**	420	420
1/2-14	1/8-27	22.2	8.3	28	58	**1/2 X 1/8 PTR-S**	**1/2X1/8PTRMSS**	420	350
1/2-14	1/4-18	22.2	10.7	28	53	**1/2 X 1/4 PTR-S**	**1/2X1/4PTRMSS**	420	350
1/2-14	3/8-18	22.2	13.5	28	40	**1/2 X 3/8PTR-S**	**1/2X3/8PTRMSS**	420	350
3/4-14	1/8-27	28.6	18.3	30	82	**3/4 X 1/8 PTR-S**	**3/4X1/8PTRMSS**	280	280
3/4-14	1/4-18	28.6	10.7	30	94	**3/4 X 1/4 PTR-S**	**3/4X1/4PTRMSS**	280	280
3/4-14	3/8-18	28.6	14.2	30	101	**3/4 X 3/8 PTR-S**	**3/4X3/8PTRMSS**	380	280
3/4-14	1/2-14	28.6	17.5	30	110	**3/4 X 1/2 PTR-S**	**3/4X1/2PTRMSS**	350	280
1-11.5	1/8-27	35.0	23.8	35	132	**1 X 1/8 PTR-S**	**1X1/8PTRMSS**	210	210
1-11.5	1/4-18	35.0	23.8	35	132	**1 X 1/4 PTR-S**	**1X1/4PTRMSS**	210	210
1-11.5	3/8-18	35.0	14.2	35	163	**1 X 3/8 PTR-S**	**1X3/8PTRMSS**	210	210
1-11.5	1/2-14	35.0	17.5	35	139	**1 X 1/2 PTR-S**	**1X1/2PTRMSS**	210	210
1-11.5	3/4-14	35.0	22.8	35	116	**1 X 3/4 PTR-S**	**1X3/4PTRMSS**	280	210
1 1/4-11.5	1/2-14	44.5	17.5	37	220	**1 1/4 X 1/2 PTR-S**	**11/4X1/2PTRMSS**	170	170
1 1/4-11.5	3/4-14	44.5	22.8	37	236	**1 1/4 X 3/4 PTR-S**	**11/4X3/4PTRMSS**	170	170
1 1/4-11.5	1-11.5	46.0	28.7	37	250	**1 1/4X1PTRMS**	**11/4X1PTRMSS**	210	175
1 1/2-11.5	3/4-14	50.8	22.8	40	306	**1 1/2 X 3/4 PTR-S**	**11/2X3/4PTRMSS**	140	140
1 1/2-11.5	1-11.5	50.0	29.0	40	360	**1 1/2X1PTRMS**	**11/2X1PTRMSS**	210	140
1 1/2-11.5	1 1/4-11.5	50.8	38.1	40	282	**1 1/2X1 1/4 PTR-S**	**11/2X11/4PTRMSS**	170	140
2-11.5	1/2-14	63.5	17.5	45	561	**2 X 1/2 PTR-S**	**2X1/2PTRMSS**	140	140
2-11.5	1-11.5	63.5	49.2	45	550	**2 X 1 PTR-S**	**2X1PTRMSS**	140	140
2-11.5	1 1/4-11.5	63.5	37.4	45	548	**2 X 1 1/4 PTR-S**	**2X11/4PTRMSS**	140	140

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$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

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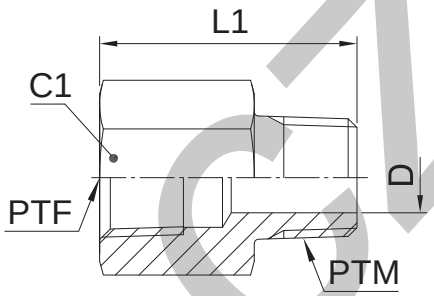
N

KOVAZ

FGM Thread expander / Adapter

Male NPTF* thread (SAE J476) / Female NPTF* thread (SAE J476)
SAE 140139
*Stainless Steel = NPT to prevent galling



Thread NPT/NPTF PTF	Thread NPT/NPTF PTM	C1 mm	D mm	L1 mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	1/8-27	16.0	4.8	26	30	**1/8 FG-S**	**1/8FGMSS**	420	420
1/4-18	1/8-27	19.0	4.8	31	57	**1/4 X 1/8 FG-S**	**1/4X1/8FGMSS**	420	420
1/4-18	1/4-18	19.0	7.1	35	44	**1/4 FG-S**	**1/4FGMSS**	420	420
3/8-18	1/8-27	22.2	4.8	32	50	**3/8 X 1/8 FG-S**	**3/8X1/8FGMSS**	420	420
3/8-18	1/4-18	22.2	7.1	37	108	**3/8 X 1/4 FG-S**	**3/8X1/4FGMSS**	420	420
3/8-18	3/8-18	22.2	10.3	37	55	**3/8 FG-S**	**3/8FGMSS**	420	420
1/2-14	1/8-27	28.6	4.8	38	98	**1/2 X 1/8 FG-S**	**1/2X1/8FGMSS**	350	350
1/2-14	1/4-18	28.6	7.1	43	104	**1/2 X 1/4 FG-S**	**1/2X1/4FGMSS**	350	350
1/2-14	3/8-18	28.6	10.3	43	108	**1/2 X 3/8 FG-S**	**1/2X3/8FGMSS**	350	350
1/2-14	1/2-14	28.6	13.5	48	108	**1/2 FG-S**	**1/2FGMSS**	350	350
3/4-14	3/4-14	35.0	18.3	49	178	**3/4 FG-S**	**3/4FGMSS**	280	280
3/4-14	1/4-18	35.0	7.1	45	129	**3/4 X 1/4 FG-S**	**3/4X1/4FGMSS**	280	280
3/4-14	1/2-14	35.0	13.5	49	129	**3/4 X 1/2FG-S**	**3/4X1/2FGMSS**	280	280
1-11.5	1-11.5	41.3	23.8	60	160	**1 FG-S**	**1FGMSS**	210	210
1-11.5	1/2-14	41.3	13.5	56	180	**1 X 1/2FG-S**	**1X1/2FGMSS**	210	210
1-11.5	3/4-14	41.3	18.3	55	98	**1 X 3/4FG-S**	**1X3/4FGMSS**	210	210
1 1/4-11.5	1-11.5	50.8	23.8	63	296	**1 1/4 X 1FG-S**	**11/4X1FGMSS**	170	170

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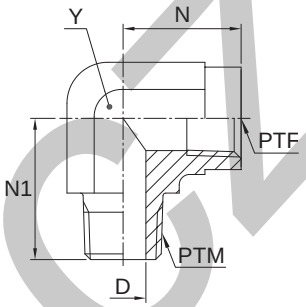
KOVAL.CZ

CDM Male female thread elbow

Male NPTF* thread (SAE J476) / Female NPTF* thread (SAE J476)
SAE 140239
*Stainless Steel = NPT to prevent galling



Thread NPT/NPTF PTM	Thread NPT/NPTF PTF	D mm	N mm	N1 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	1/8-27	4.8	17	20	14.0	30	**1/8 CD-S**	**1/8 CD-SS**	350	350
1/4-18	1/4-18	7.0	22	28	19.0	77	**1/4CDMS**	**1/4 CD-SS**	350	350
1/4-18	1/8-27	7.1	17	28	14.0	33	**1/4 X 1/8 CD-S**	**1/4 X 1/8 CD-SS**	350	350
3/8-18	3/8-18	10.0	26	31	22.0	96	**3/8CDMS**	**3/8 CD-SS**	310	310
3/8-18	1/4-18	10.3	22	31	19.0	79	**3/8 X 1/4 CD-S**	**3/8 X 1/4 CD-SS**	350	350
3/8-18	1/2-14	10.3	31	33	27.0	260	**3/8 X 1/2 CD-S**	**3/8 X 1/2 CD-SS**	210	210
1/2-14	1/2-14	13.5	31	37	27.0	174	**1/2 CD-S**	**1/2 CD-SS**	210	210
1/2-14	3/8-18	13.5	32	38	22.0	96	**1/2 X 3/8 CD-S**	**1/2 X 3/8 CD-SS**	310	310
1/2-14	3/4-14	13.5	35	40	33.3	319	**1/2 X 3/4 CD-S**	**1/2 X 3/4 CD-SS**	210	210
3/4-14	3/4-14	18.3	35	40	33.3	285	**3/4 CD-S**	**3/4 CD-SS**	210	210
3/4-14	1/2-14	18.3	31	40	27.0	164	**3/4 X 1/2 CD-S**	**3/4 X 1/2 CD-SS**	210	210
1-11.5	1-11.5	23.8	41	50	47.6	515	**1 CD-S**	**1 CD-SS**	125	120
1 1/4-11.5	1 1/4-11.5	31.8	43	61	47.6	978	**1 1/4 CD-S**	**1 1/4 CD-SS**	100	100
1 1/2-11.5	1 1/2-11.5	38.1	53	67	63.5	1679	**1 1/2 CD-S**	**1 1/2 CD-SS**	100	100

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$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

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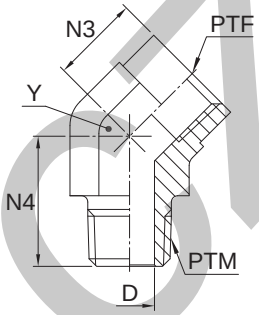
N

KOVA-CZ

CD45 Male female thread 45° elbow

Male NPTF* thread (SAE J476) / Female NPTF* thread (SAE J476)
SAE 140339
*Stainless Steel = NPT to prevent galling



Thread NPT/NPTF PTM	Thread NPT/NPTF PTF	D mm	N3 mm	N4 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	1/8-27	4.8	12	18	14.0	24	**1/8 CD45-S**	**1/8 CD45-SS**	350	350
1/4-18	1/4-18	7.1	16	27	19.0	57	**1/4 CD45-S**	**1/4 CD45-SS**	350	350
3/8-18	3/8-18	10.3	18	27	22.0	79	**3/8 CD45-S**	**3/8 CD45-SS**	310	310
1/2-14	1/2-14	13.5	23	34	27.0	141	**1/2 CD45-S**	**1/2 CD45-SS**	210	210
3/4-14	3/4-14	18.3	25	35	33.3	196	**3/4 CD45-S**	**3/4 CD45-SS**	210	210
1-11.5	1-11.5	23.8	29	44	41.0	380	**1 CD45-S**	**1 CD45-SS**	125	120
1 1/4-11.5	1 1/4-11.5	31.8	41	46	47.6	719	**1 1/4 CD45-S**	**1 1/4 CD45-SS**	100	100

Order codes shown are part of our current manufacturing programme.

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$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

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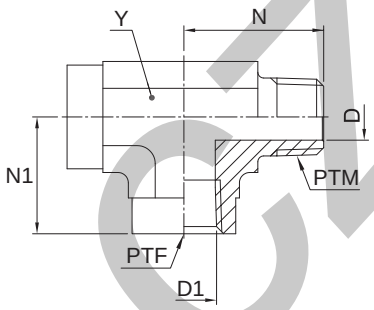
KOVAL CZ

MRO Male female thread tee

Male NPTF* thread (SAE J476) / Female NPTF* thread (SAE J476)
SAE 140424
*Stainless Steel = NPT to prevent galling



Thread NPT/NPTF PTM	Thread NPT/NPTF PTF	D mm	D1 mm	N mm	N1 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	1/8-27	4.8	8.3	20	17	14.0	59	**1/8 MRO-S**	**1/8 MRO-SS**	350	350
1/4-18	1/4-18	7.1	10.7	28	22	19.0	115	**1/4 MRO-S**	**1/4 MRO-SS**	350	350
3/8-18	3/8-18	10.3	14.2	31	26	22.0	122	**3/8 MRO-S**	**3/8 MRO-SS**	310	310
1/2-14	1/2-14	13.5	17.5	37	31	27.0	285	**1/2 MRO-S**	**1/2 MRO-SS**	210	210
3/4-14	3/4-14	18.3	22.8	40	35	33.3	497	**3/4 MRO-S**	**3/4 MRO-SS**	210	210
1-11.5	1-11.5	23.8	28.6	50	41	41.0	987	**1 MRO-S**	**1 MRO-SS**	125	120

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$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

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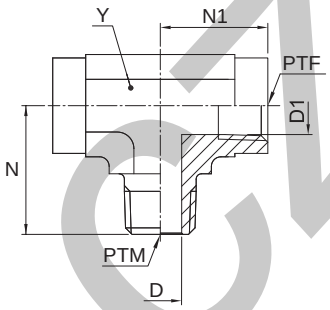
KOVAZ.CZ

N

MMS Male female thread tee

Male NPTF* thread (SAE J476) / Female NPTF* thread (SAE J476)
SAE 140425
*Stainless Steel = NPT to prevent galling



Thread NPT/NPTF PTM	Thread NPT/NPTF PTF	D mm	D1 mm	N mm	N1 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	1/8-27	4.8	8.3	20	17	14.0	45	**1/8 MMS-S**	**1/8 MMS-SS**	350	350
1/4-18	1/4-18	7.1	10.7	28	22	19.0	118	**1/4 MMS-S**	**1/4 MMS-SS**	350	350
3/8-18	3/8-18	10.3	14.2	31	26	22.0	126	**3/8 MMS-S**	**3/8 MMS-SS**	310	310
1/2-14	1/2-14	13.5	17.5	37	31	27.0	272	**1/2 MMS-S**	**1/2 MMS-SS**	210	210
3/4-14	3/4-14	18.3	22.8	40	35	33.3	408	**3/4 MMS-S**	**3/4 MMS-SS**	210	210
1-11.5	1-11.5	23.8	28.6	50	41	41.0	606	**1 MMS-S**	**1 MMS-SS**	125	120

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

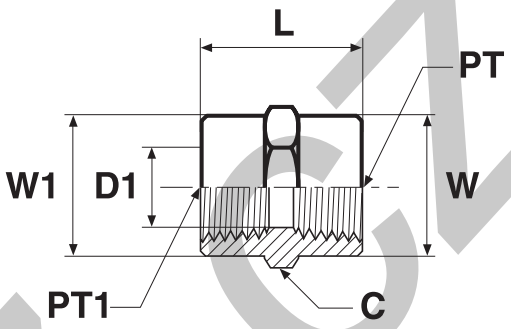
$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOVAZ.cz

GG Female thread coupling

Female NPTF* thread (SAE J476) / Female NPTF* thread (SAE J476)
SAE 140138
*Stainless Steel = NPT to prevent galling



Thread NPT/NPTF PT	Thread NPT/NPTF PT1	C mm	D1 mm	L mm	W mm	W1 mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	1/8-27	16.0	8.3	19	16	16	19	**1/8 GG-S**	**1/8 GG-SS**	420	420
1/4-18	1/8-27	19.0	8.3	24	19	16	35	**1/4 X 1/8 GG-S**	**1/4 X 1/8 GG-SS**	420	420
1/4-18	1/4-18	19.0	10.7	29	19	19	45	**1/4 GG-S**	**1/4 GG-SS**	420	420
3/8-18	1/8-27	22.2	8.3	26	22	16	56	**3/8 X 1/8 GG-S**	**3/8 X 1/8 GG-SS**	420	420
3/8-18	1/4-18	22.2	10.7	29	22	19	56	**3/8 X 1/4 GG-S**	**3/8 X 1/4 GG-SS**	420	420
3/8-18	3/8-18	22.2	14.2	29	22	22	62	**3/8 GG-S**	**3/8 GG-SS**	420	420
1/2-14	1/4-18	28.6	10.7	35	29	19	117	**1/2 X 1/4 GG-S**	**1/2 X 1/4 GG-SS**	350	350
1/2-14	3/8-18	28.6	14.2	38	29	22	100	**1/2 X 3/8 GG-S**	**1/2 X 3/8 GG-SS**	350	350
1/2-14	1/2-14	28.6	17.5	38	29	29	112	**1/2 GG-S**	**1/2 GG-SS**	350	350
3/4-14	1/4-18	35.0	10.7	39	35	19	150	**3/4 X 1/4 GG-S**	**3/4 X 1/4 GG-SS**	280	280
3/4-14	1/2-14	35.0	17.5	48	35	29	134	**3/4 X 1/2 GG-S**	**3/4 X 1/2 GG-SS**	280	280
3/4-14	3/4-14	35.0	22.8	39	35	35	156	**3/4 GG-S**	**3/4GG-SS**	280	280
1-11.5	1-11.5	41.3	28.6	48	41	41	289	**1 GG-S**	**1 GG-SS**	210	210
1-11.5	1/2-14	41.3	17.5	45	41	29	235	**1 X 1/2 GG-S**	**1 X 1/2 GG-SS**	210	210
1-11.5	3/4-14	41.3	22.8	45	41	35	239	**1 X 3/4 GG-S**	**1 X 3/4 GG-SS**	210	210
1 1/4-11.5	1 1/4-11.5	50.8	37.4	49	51	51	340	**1 1/4 GG-S**	**1 1/4 GG-SS**	170	170
1 1/4-11.5	1-11.5	50.8	28.6	49	51	41	182	**1 1/4 X 1 GG-S**	**1 1/4 X 1 GG-SS**	170	170
1 1/2-11.5	1 1/2-11.5	60.3	43.4	49	60	60	706	**1 1/2 GG-S**	**1 1/2 GG-SS**	140	140
1 1/2-11.5	1 1/4-11.5	60.3	37.4	49	60	60	531	**1 1/2 X 1 1/4 GG-S**	**1 1/2 X 1 1/4 GG-SS**	140	140
2-11.5	2-11.5	73.0	55.5	50	73	73	814	**2 GG-S**	**2 GG-SS**	140	140

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

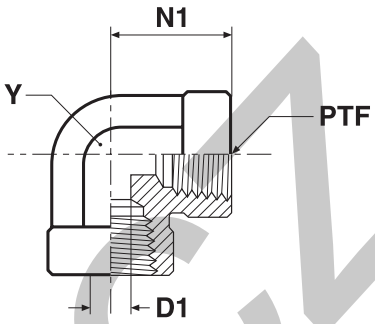
Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

N

KOVAL.CZ

DD Female thread elbow

Female NPTF* thread (SAE J476)
SAE 140238
*Stainless Steel = NPT to prevent galling

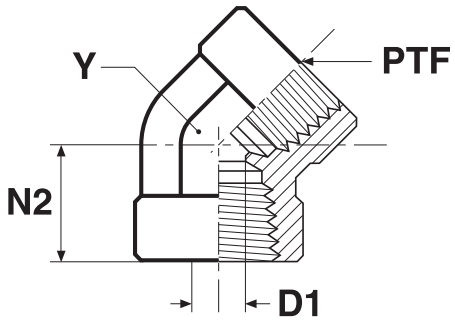


Thread NPT/NPTF PTF	D1 mm	N1 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	8.3	17	14.0	28	**1/8 DD-S**	**1/8 DD-SS**	350	350
1/4-18	10.7	22	19.0	72	**1/4 DD-S**	**1/4 DD-SS**	350	350
3/8-18	14.2	26	22.0	96	**3/8 DD-S**	**3/8 DD-SS**	310	310
1/2-14	17.5	31	27.0	159	**1/2 DD-S**	**1/2 DD-SS**	210	210
3/4-14	22.8	35	33.3	263	**3/4 DD-S**	**3/4 DD-SS**	210	210
1-11.5	28.6	41	41.0	488	**1 DD-S**	**1 DD-SS**	125	120
1 1/4-11.5	37.4	43	47.6	978	**1 1/4 DD-S**	**1 1/4 DD-SS**	100	100
1 1/2-11.5	43.4	53	63.5	1889	**1 1/2 DD-S**	**1 1/2 DD-SS**	100	100

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

DD45 Female thread 45° elbow

Female NPTF* thread (SAE J476)
SAE 140338
*Stainless Steel = NPT to prevent galling



Thread NPT/NPTF PTF	D1 mm	N2 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	8.3	12	14.0	27	**1/8 DD45-S**	**1/8 DD45-SS**	350	350
1/4-18	10.7	18	19.0	69	**1/4 DD45-S**	**1/4 DD45-SS**	350	350
3/8-18	14.2	19	22.0	97	**3/8 DD45-S**	**3/8 DD45-SS**	310	310
1/2-14	17.5	24	27.0	172	**1/2 DD45-S**	**1/2 DD45-SS**	210	210
3/4-14	22.8	25	33.3	248	**3/4 DD45-S**	**3/4 DD45-SS**	210	210
1-11.5	28.6	30	41.0	479	**1 DD45-S**	**1 DD45-SS**	125	120

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Imperial and metric parts may vary in hexagon dimensions.

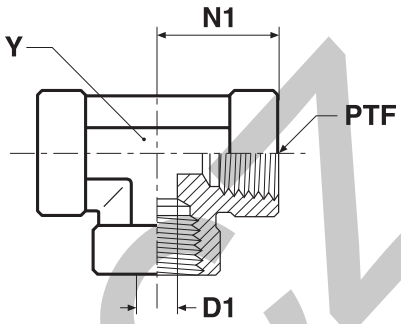
$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOVAL.CZ

MMO Female thread tee

Female NPTF* threads (SAE J476)
SAE 140438
*Stainless Steel = NPT to prevent galling

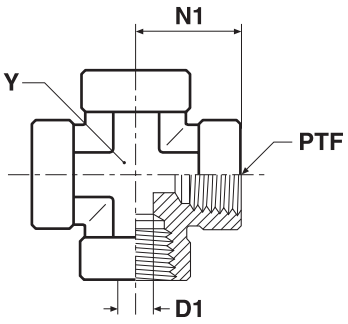


Thread NPT/NPTF PTF	D1 mm	N1 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	8.3	17	14.0	36	**1/8 MMO-S**	**1/8 MMO-SS**	350	350
1/4-18	10.7	22	19.0	94	**1/4 MMO-S**	**1/4 MMO-SS**	350	350
3/8-18	14.2	26	22.0	121	**3/8 MMO-S**	**3/8 MMO-SS**	210	210
1/2-14	17.5	31	27.0	202	**1/2 MMO-S**	**1/2 MMO-SS**	210	210
3/4-14	22.8	35	33.3	312	**3/4 MMO-S**	**3/4 MMO-SS**	210	210
1-11.5	28.6	41	41.0	606	**1 MMO-S**	**1 MMO-SS**	125	120
1 1/4-11.5	37.4	43	47.6	576	**1 1/4 MMO-S**	**1 1/4 MMO-SS**	100	100
1 1/2-11.5	43.4	53	63.5	576	**1 1/2 MMO-S**	**1 1/2 MMO-SS**	100	100

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KMMOO Female thread cross

Female NPTF* threads (SAE J476)
SAE 140538
*Stainless Steel = NPT to prevent galling



Thread NPT/NPTF PTF	D1 mm	N1 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	8.3	17	14.0	45	**1/8 KMMOO-S**	**1/8 KMMOO-SS**	350	350
1/4-18	10.7	22	19.0	113	**1/4 KMMOO-S**	**1/4 KMMOO-SS**	350	350
3/8-18	14.2	26	22.0	147	**3/8 KMMOO-S**	**3/8 KMMOO-SS**	210	210
1/2-14	17.5	31	27.0	257	**1/2 KMMOO-S**	**1/2 KMMOO-SS**	210	210
3/4-14	22.8	35	33.3	382	**3/4 KMMOO-S**	**3/4 KMMOO-SS**	210	210
1-11.5	28.6	41	41.0	690	**1 KMMOO-S**	**1 KMMOO-SS**	125	120

Order codes shown are part of our current manufacturing programme.
Imperial and metric parts may vary in hexagon dimensions.

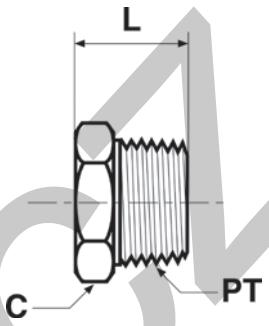
$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOVAL.CZ

HP Hexagon head plug

Male NPTF* Thread (SAE J476)
SAE 130109E
*Stainless Steel = NPT to prevent galling

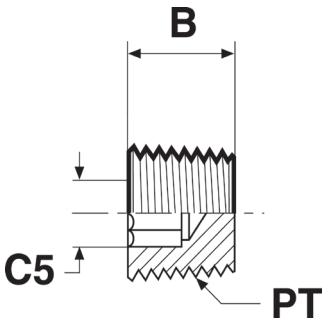


Thread NPT/NPTF PT	C mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	11.0	14	19	**1/8 HP-S**	**1/8HPMSS**	420	420
1/4-18	14.3	19	22	**1/4 HP-S**	**1/4HPMSS**	420	420
3/8-18	17.5	20	28	**3/8 HP-S**	**3/8HPMSS**	420	420
1/2-14	22.2	24	72	**1/2 HP-S**	**1/2HPMSS**	420	420
3/4-14	27.0	27	119	**3/4 HP-S**	**3/4HPMSS**	380	380
1-11.5	33.3	32	218	**1 HP-S**	**1HPMSS**	380	380
1 1/4-11.5	44.5	36	217	**1 1/4 HP-S**	**11/4HPMSS**	345	345
1 1/2-11.5	50.8	38	300	**1 1/2 HP-S**	**11/2HPMSS**	210	210

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

HHP Hexagon socket plug

Male NPTF* thread (SAE J476)
SAE 130109N
*Stainless Steel = NPT to prevent galling



Thread NPT/NPTF PT	B mm	C5 inch	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/16-27	8	5/32	2	**1/16 HHP-S**	**1/16 HHP-SS**	420	420
1/8-27	8	3/16	3	**1/8 HHP-S**	**1/8 HHP-SS**	420	420
1/4-18	12	1/4	7	**1/4 HHP-S**	**1/4 HHP-SS**	420	420
3/8-18	12	5/16	13	**3/8 HHP-S**	**3/8 HHP-SS**	420	420
1/2-14	16	3/8	16	**1/2 HHP-S**	**1/2 HHP-SS**	420	420
3/4-14	16	9/16	66	**3/4 HHP-S**	**3/4 HHP-SS**	380	380
1-11.5	20	5/8	73	**1 HHP-S**	**1 HHP-SS**	380	380
1 1/4-11.5	21	3/4	127	**1 1/4 HHP-S**	**1 1/4 HHP-SS**	210	345
1 1/2-11.5	21	3/4	168	**1 1/2 HHP-S**	**1 1/2 HHP-SS**	210	210
2-11.5	22	3/4	264	**2 HHP-S**	**2 HHP-SS**	140	170

Order codes shown are part of our current manufacturing programme.
Imperial and metric parts may vary in hexagon dimensions.

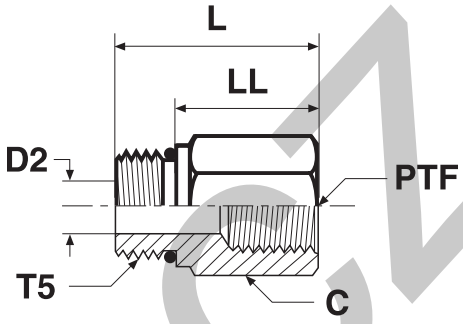
$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

NOVALOG

F5OG Male female thread adapter

Male UN/UNF thread – O-ring (ISO 11926) / Female NPTF* thread (SAE 476)
*Stainless Steel = NPT to prevent galling



Thread UN/UNF-2A T5	Thread NPT/NPTF PTF	C mm	D2 mm	L mm	LL mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
7/16-20	1/8-27	14.3	4.4	25	16	18	**4-1/8 F5OG-S**	**4-1/8 F5OG-SS**	420	420
7/16-20	1/4-18	19.0	4.4	30	20	36	**4-1/4 F5OG-S**	**4-1/4 F5OG-SS**	420	420
1/2-20	1/8-27	16.0	6.0	27	18	45	**5-1/8 F5OG-S**	**5-1/8 F5OG-SS**	420	420
1/2-20	1/4-18	19.0	6.0	30	21	55	**5-1/4 F5OG-S**	**5-1/4 F5OG-SS**	420	420
9/16-18	1/4-18	19.0	7.5	30	20	36	**6-1/4 F5OG-S**	**6-1/4 F5OG-SS**	420	420
3/4-16	1/4-18	22.2	9.9	29	18	53	**8-1/4 F5OG-S**	**8-1/4 F5OG-SS**	420	420
3/4-16	3/8-18	22.2	9.9	33	21	67	**8-3/8 F5OG-S**	**8-3/8 F5OG-SS**	420	420
3/4-16	1/2-14	28.6	9.9	38	27	98	**8-1/2 F5OG-S**	**8-1/2 F5OG-SS**	350	350
7/8-14	1/4-18	25.4	12.7	21	8	78	**10-1/4 F5OG-S**	**10-1/4 F5OG-SS**	380	380
7/8-14	3/8-18	25.4	12.7	33	21	77	**10-3/8 F5OG-S**	**10-3/8 F5OG-SS**	380	380
7/8-14	1/2-14	28.6	12.7	39	26	98	**10-1/2 F5OG-S**	**10-1/2 F5OG-SS**	350	350
7/8-14	3/4-14	35.0	12.7	41	29	153	**10-3/4 F5OG-S**	**10-3/4 F5OG-SS**	280	280
1 1/16-12	1/2-14	31.8	15.5	36	21	114	**12-1/2 F5OG-S**	**12-1/2 F5OG-SS**	350	350
1 1/16-12	3/4-14	35.0	15.5	44	29	150	**12-3/4 F5OG-S**	**12-3/4 F5OG-SS**	280	280
1 3/16-12	1/2-14	35.0	18.3	27	12	159	**14-1/2 F5OG-S**	**14-1/2 F5OG-SS**	280	280
1 3/16-12	3/4-14	35.0	18.3	43	28	167	**14-3/4 F5OG-S**	**14-3/4 F5OG-SS**	280	280
1 5/16-12	1/2-14	38.0	21.4	25	10	137	**16-1/2 F5OG-S**	**16-1/2 F5OG-SS**	280	280
1 5/16-12	3/4-14	38.0	21.4	38	23	189	**16-3/4 F5OG-S**	**16-3/4 F5OG-SS**	280	280
1 5/16-12	1-11.5	41.3	22.2	48	33	216	**16-1 F5OG-S**	**16-1 F5OG-SS**	210	210
1 5/8-12	1-11.5	47.6	27.5	25	10	151	**20-1 F5OG-S**	**20-1 F5OG-SS**	210	210
1 5/8-12	1 1/4-11.5	50.8	27.5	50	35	191	**20-1 1/4 F5OG-S**	**20-1 1/4 F5OG-SS**	170	170
1 7/8-12	1-11.5	54.0	34.1	25	10	612	**24-1 F5OG-S**	**24-1 F5OG-SS**	170	170
1 7/8-12	1 1/2-11.5	57.4	34.1	51	36	653	**24-1 1/2 F5OG-S**	**24-1 1/2 F5OG-SS**	140	140

Parker Adapter are delivered with NBR elastomeric seals as standard. For more details on other seal materials see page N60.

Order codes shown are part of our current manufacturing programme.

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$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

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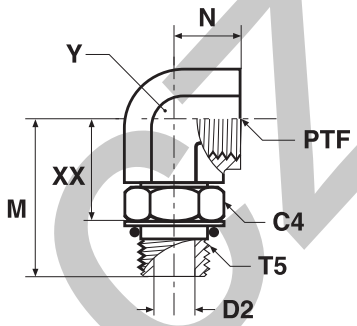
KOVAKZ

Index

AOEG Elbow

Male UN/UNF thread O-ring (ISO 11926) / Female NPTF thread (SAE 476)

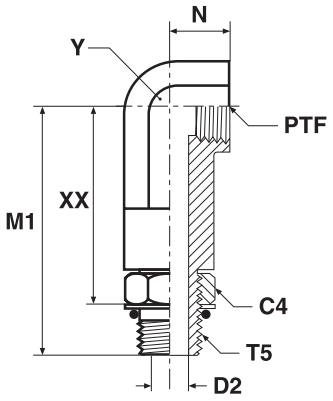


Thread UN/UNF-2A T5	Thread NPTF/NPTF PTF	C4 mm	D2 mm	M mm	N mm	XX mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	PN (bar)
9/16-18	1/4-18	18	7.5	34	16	21	19	86	**6-1/4 AOEG-S**	350
3/4-16	3/8-18	22	9.9	37	16	24	22	100	**8-3/8 AOEG-S**	310
7/8-14	1/2-14	25	12.3	46	19	31	27	172	**10-1/2 AOEG-S**	210
1 1/16-12	3/4-14	32	15.5	51	21	34	33	274	**12-3/4 AOEG-S**	210
1 5/16-12	1-11.5	38	21.4	57	25	40	41	471	**16-1 AOEG-S**	125

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

AOE4G Extra long elbow

Male UN/UNF thread O-ring (ISO 11926) / Female NPTF thread (SAE 476)



Thread UN/UNF-2A T5	Thread NPTF/NPTF PTF	C4 mm	D2 mm	M1 mm	N mm	XX mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	PN (bar)
3/4-16	3/8-18	22	9.9	75	16	62	22.0	176	**8-3/8 AOE4G-S**	310
7/8-14	1/2-14	25	12.3	90	19	76	27.0	246	**10-1/2 AOE4G-S**	210
1 1/16-12	3/4-14	32	15.5	103	21	86	33.3	356	**12-3/4 AOE4G-S**	210
1 5/16-12	1-11.5	38	21.4	118	25	101	41.0	956	**16-1 AOE4G-S**	125

Parker Adapter are delivered with NBR elastomeric seals as standard. For more details on other seal materials see page N60.

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

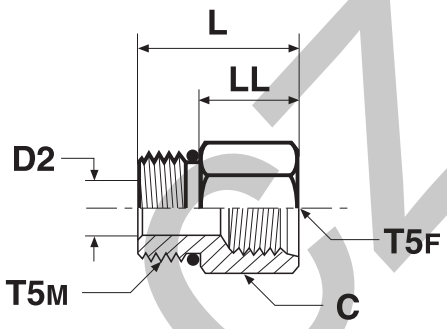
$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOVAL.CZ

F5OG5 Thread reducer / Expander

Male UN/UNF threads – O-ring (ISO 11926)
SAE 090136



Thread UN/UNF-2A T5M	Thread UN/UNF-2B T5F	C mm	D2 mm	L mm	LL mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
7/16-20	7/16-20	17.5	4.4	27	18	42	**4-4 F5OG5-S**	**4-4 F5OG5-SS**	500	315
7/16-20	9/16-18	20.6	4.4	30	20	49	**4-6 F5OG5-S**	**4-6 F5OG5-SS**	420	315
9/16-18	7/16-20	17.5	7.5	26	16	30	**6-4 F5OG5-S**	**6-4 F5OG5-SS**	500	315
9/16-18	3/4-16	27.0	7.5	35	25	64	**6-8 F5OG5-S**	**6-8 F5OG5-SS**	420	280
3/4-16	9/16-18	22.2	9.9	29	18	93	**8-6 F5OG5-S**	**8-6 F5OG5-SS**	420	315
3/4-16	7/8-14	28.6	9.9	40	29	73	**8-10 F5OG5-S**	**8-10 F5OG5-SS**	310	210
7/8-14	9/16-18	25.4	12.3	32	19	73	**10-6 F5OG5-S**	**10-6 F5OG5-SS**	420	350
7/8-14	3/4-16	25.4	12.3	33	21	75	**10-8 F5OG5-S**	**10-8 F5OG5-SS**	310	280
7/8-14	1 1/16-12	35.0	12.3	43	30	209	**10-12 F5OG5-S**	**10-12 F5OG5-SS**	310	245
1 1/16-12	3/4-16	31.8	15.5	37	22	114	**12-8 F5OG5-S**	**12-8 F5OG5-SS**	420	315
1 1/16-12	7/8-14	31.8	15.5	39	24	150	**12-10 F5OG5-S**	**12-10 F5OG5-SS**	350	210
1 1/16-12	1 5/16-12	41.3	15.5	48	33	170	**12-16 F5OG5-S**	**12-16 F5OG5-SS**	240	140
1 5/16-12	3/4-16	38.0	17.5	25	10	159	**16-8 F5OG5-S**	**16-8 F5OG5-SS**	310	310
1 5/16-12	7/8-14	38.0	20.6	25	10	240	**16-10 F5OG5-S**	**16-10 F5OG5-SS**	310	245
1 5/16-12	1 1/16-12	38.0	21.4	45	29	259	**16-12 F5OG5-S**	**16-12 F5OG5-SS**	310	245
1 5/16-12	1 5/8-12	54.0	21.4	50	35	280	**16-20 F5OG5-S**	**16-20 F5OG5-SS**	210	175
1 5/8-12	1 1/16-12	47.6	27.4	25	10	249	**20-12 F5OG5-S**	**20-12 F5OG5-SS**	280	210
1 5/8-12	1 5/16-12	47.6	27.4	44	29	249	**20-16 F5OG5-S**	**20-16 F5OG5-SS**	280	140
1 7/8-12	1 1/16-12	54.0	24.7	25	10	263	**24-12 F5OG5-S**	**24-12 F5OG5-SS**	210	140
1 7/8-12	1 5/16-12	54.0	30.9	25	10	268	**24-16 F5OG5-S**	**24-16 F5OG5-SS**	210	140
1 7/8-12	1 5/8-12	54.0	33.3	45	29	272	**24-20 F5OG5-S**	**24-20 F5OG5-SS**	210	140

Parker Adapter are delivered with NBR elastomeric seals as standard. For more details on other seal materials see page N60.

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

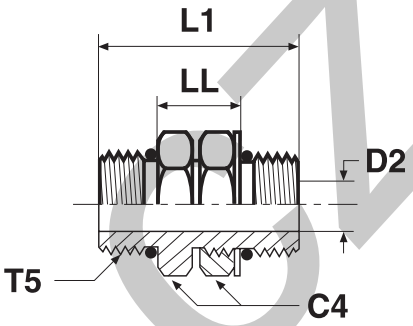
Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOVAL

Index

F5OHAO Straight thread union

Male UN/UNF threads – O-ring (ISO 11926)

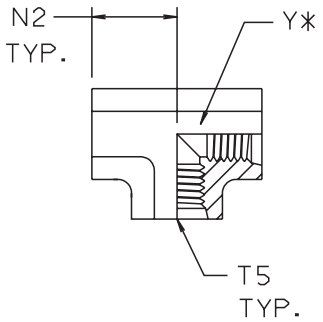


Thread UN/UNF-2A T5	C4 mm	D2 mm	L1 mm	LL mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
7/16-20	14.3	5.2	32	13	25	**4 F5OHAO-S**	**4 F5OHAO-SS**	350	350
9/16-18	17.5	7.5	36	14	52	**6 F5OHAO-S**	**6 F5OHAO-SS**	350	350
3/4-16	22.2	10.7	42	18	76	**8 F5OHAO-S**	**8 F5OHAO-SS**	350	350
7/8-14	25.4	12.3	46	19	118	**10 F5OHAO-S**	**10 F5OHAO-SS**	310	310
1 1/16-12	31.8	15.5	54	22	213	**12 F5OHAO-S**	**12 F5OHAO-SS**	280	280
1 5/16-12	38.0	21.5	62	30	235	**16 F5OHAO-S**	**16 F5OHAO-SS**	210	210
1 5/8-12	47.6	27.4	62	30	367	**20 F5OHAO-S**	**20 F5OHAO-SS**	170	170
1 7/8-12	54.0	34.1	62	30	538	**24 F5OHAO-S**	**24 F5OHAO-SS**	140	140

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

G5G5JG5 Female straight thread tee

Female UN/UNF threads – all 3 ends



Thread UN/UNF-2B T5	N2 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	PN (bar)
7/16-20	19	19	68	**4 G5G5JG5-S**	350
9/16-18	22	22	47	**6 G5G5JG5-S**	350
3/4-16	26	27	228	**8 G5G5JG5-S**	350
7/8-14	30	27	228	**10 G5G5JG5-S**	310

Parker Adapter are delivered with NBR elastomeric seals as standard. For more details on other seal materials see page N60.
Order codes shown are part of our current manufacturing programme.
Imperial and metric parts may vary in hexagon dimensions.

$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

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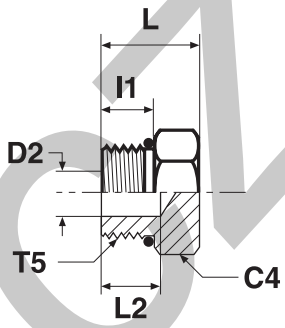
KOVAL

P5ONM Hexagon head plug

Male UN/UNF thread – O-ring (ISO 11926)
SAE 090109A



Thread UN/UNF-2A T5	C4 mm	D2 mm	I1 mm	L mm	L2 mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
5/16-24	11.0	2.4	8	15	10	7	**2 P5ON-S**	**2P5ONMSS**	420	420
3/8-24	12.7	3.2	8	15	9	9	**3 P5ON-S**	**3P5ONMSS**	420	420
7/16-20	14.3	5.2	9	17	10	13	**4 P5ON-S**	**4P5ONMSS**	420	420
1/2-20	16.0	5.9	9	17	10	19	**5 P5ON-S**	**5P5ONMSS**	420	420
9/16-18	17.5	7.5	10	19	11	22	**6 P5ON-S**	**6P5ONMSS**	420	420
3/4-16	22.2	10.7	11	20	11	44	**8 P5ON-S**	**8P5ONMSS**	420	420
7/8-14	25.4	12.7	13	24	12	53	**10 P5ON-S**	**10P5ONMSS**	420	420
1 1/16-12	31.8	16.7	15	28	15	117	**12 P5ON-S**	**12P5ONMSS**	420	420
1 3/16-12	35.0	18.2	15	28	14	124	**14 P5ON-S**	**14P5ONMSS**	380	380
1 5/16-12	38.0	22.2	15	28	13	141	**16 P5ON-S**	**16P5ONMSS**	380	380
1 5/8-12	47.6	27.8	15	31	10	284	**20 P5ON-S**	**20P5ONMSS**	280	280
1 7/8-12	54.0	34.1	15	32	9	447	**24 P5ON-S**	**24P5ONMSS**	210	210
2 1/2-12	70.0	46.1	15	36	14	807	**32 P5ON-S**	**32P5ONMSS**	140	140

Parker Adapter are delivered with NBR elastomeric seals as standard. For more details on other seal materials see page N60.

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

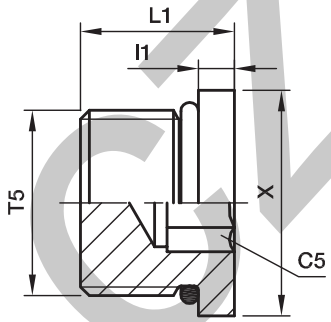
Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

N

KOVAL

HP5ON Hexagon socket plug

Male UN/UNF thread – O-ring (ISO 11926)
SAE 090109B



Thread UN/UNF-2A T5	C5 mm	I1 mm	L1 mm	X mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
5/16-24	1/8	3	10	11	5	**2 HP5ON-S**	**2 HP5ON-SS**	420	420
3/8-24	5/32	3	10	13	5	**3 HP5ON-S**	**3 HP5ON-SS**	420	420
7/16-20	3/16	3	12	14	7	**4 HP5ON-S**	**4 HP5ON-SS**	420	420
1/2-20	7/32	3	12	16	10	**5 HP5ON-S**	**5 HP5ON-SS**	420	420
9/16-18	1/4	3	13	18	12	**6 HP5ON-S**	**6 HP5ON-SS**	420	420
3/4-16	5/16	4	15	22	26	**8 HP5ON-S**	**8 HP5ON-SS**	420	420
7/8-14	3/8	4	17	25	39	**10 HP5ON-S**	**10 HP5ON-SS**	420	420
1 1/16-12	9/16	5	20	32	64	**12 HP5ON-S**	**12 HP5ON-SS**	420	420
1 3/16-12	9/16	5	20	35	85	**14 HP5ON-S**	**14 HP5ON-SS**	380	380
1 5/16-12	5/8	5	20	38	103	**16 HP5ON-S**	**16 HP5ON-SS**	380	380
1 5/8-12	3/4	5	20	48	165	**20 HP5ON-S**	**20 HP5ON-SS**	280	280
1 7/8-12	3/4	5	20	54	238	**24 HP5ON-S**	**24 HP5ON-SS**	210	210

Parker Adapter are delivered with NBR elastomeric seals as standard. For more details on other seal materials see page N60.

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

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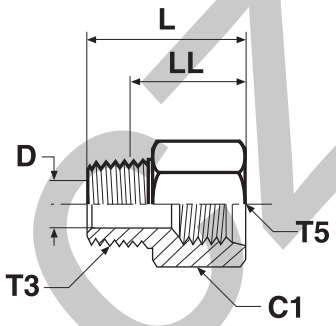
KOVAL

F3HG5 Male female thread adapter

Male BSPT thread (ISO 7) / Female UN/UNF thread – O-ring (ISO 11926-1)



Thread BSPT T3	Thread UN/UNF-2B T5	C1 mm	D mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	7/16-20	17.5	4.8	28	27	**1/8-4F3HG5S**	**1/8-4F3HMG5SS**	350	350
1/8-28	1/2-20	19.0	5.0	28	32	**1/8-5F3HG5S**	**1/8-5F3HMG5SS**	350	350
1/4-19	9/16-18	20.6	7.1	35	45	**1/4-6F3HG5S**	**1/4-6F3HMG5SS**	350	350
3-8/19	3/4-16	25.4	10.3	37	73	**3/8-8F3HG5S**	**3/8-8F3HMG5SS**	315	315
1/2-14	7/8-14	28.6	13.5	45	111	**1/2-10F3HG5S**	**1/2-10F3HMG5SS**	210	210
3/4-14	1 1/16-12	35.0	18.3	49	177	**3/4-12F3HG5S**	**3/4-12F3HMG5SS**	210	210
1-11	1 5/16-12	41.3	23.8	54	272	**1-16F3HG5S**	**1-16F3HMG5SS**	120	120

Order codes shown are part of our current manufacturing programme.

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$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

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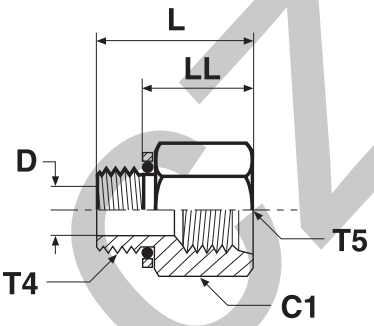
N

KOVAZ

F4OHG5 Male female thread adapter

Male BSPP thread O-ring + retaining ring (ISO 1179) /
Female UN/UNF thread – O-ring (ISO 11926-1)



Thread BSPP T4	Thread UN/UNF-2B T5	C1 mm	D mm	L mm	LL mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	7/16-20	17.5	4.4	25	19	27	**1/8-4F4OHG5S**	**1/8-4F4OHMG5SS**	350	315
1/4-19	7/16-20	19.0	7.5	28	17	40	**1/4-4F4OHG5S**	**1/4-4F4OHMG5SS**	350	315
1/4-19	9/16-18	20.6	7.5	32	22	45	**1/4-6F4OHG5S**	**1/4-6F4OHMG5SS**	350	315
3/8-19	9/16-18	22.2	9.9	32	22	70	**3/8-6F4OHG5S**	**3/8-6F4OHMG5SS**	350	315
3/8-19	3/4-16	25.4	9.9	34	24	73	**3/8-8F4OHG5S**	**3/8-8F4OHMG5SS**	350	280
1/2-14	7/8-14	28.6	12.3	41	28	111	**1/2-10F4OHG5S**	**1/2-10F4OHMG5SS**	240	240
3/4-14	1 1/16-12	35.0	15.5	44	32	177	**3/4-12F4OHG5S**	**3/4-12F4OHMG5SS**	240	240
1-11	1 5/16-12	44.5	21.4	49	33	272	**1-16F4OHG5S**	**1-16F4OHMG5SS**	240	210
1 1/4-11	1 5/8-12	50.8	27.4	50	33	320	**1 1/4-20F4OHG5S**	**11/4-20F4OHMG5SS**	140	140

Parker Adapter are delivered with NBR elastomeric seals as standard. For more details on other seal materials see page N60.

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

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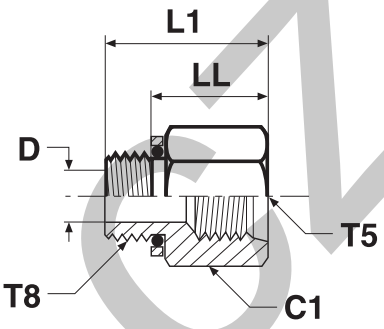
KOVAREN

F8OHG5 Male female thread adapter

Male metric thread O-ring + retaining ring / Female UN/UNF thread – O-ring (ISO 11926-1)



Thread Metric T8	Thread UN/UNF-2B T5	C1 mm	D mm	L1 mm	LL mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
M 10×1.0	7/16-20	17.5	4	27	19	27	**M10-4F8OHG5S**	**M10-4F8OHG5SS**	350	315
M 14×1.5	9/16-18	20.6	7	30	22	45	**M14-6F8OHG5S**	**M14-6F8OHG5SS**	350	315
M 16×1.5	3/4-16	25.4	9	33	23	73	**M16-8F8OHG5S**	**M16-8F8OHG5SS**	350	280
M 22×1.5	7/8-14	28.6	13	38	25	111	**M22-10F8OHG5S**	**M22-10F8OHG5SS**	240	210
M 27×2.0	1 1/16-12	35.0	16	48	33	170	**M27-12F8OHG5S**	**M27-12F8OHG5SS**	240	210
M 33×2.0	1 5/16-12	41.3	22	49	34	250	**M33-16F8OHG5S**	**M33-16F8OHG5SS**	140	140
M 42×2.0	1 5/8-12	50.8	28	49	33	320	**M42-20F8OHG5S**	**M42-20F8OHG5SS**	140	140

Parker Adapter are delivered with NBR elastomeric seals as standard. For more details on other seal materials see page N60.

Order codes shown are part of our current manufacturing programme.

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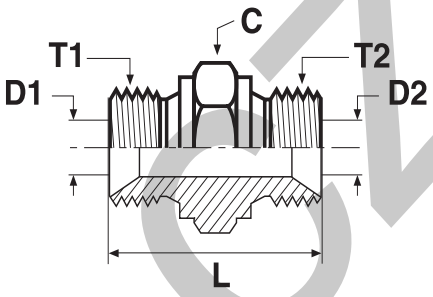
N

KOVAZ CZ

HMK4 Union

BSPP 60° Cone end (ISO 8434-6)



Thread BSPP T1	Thread BSPP T2	C mm	D1 mm	D2 mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	1/8-28	14	3.5	3.5	24	15	**2HMK4S**	**2HMK4SS**	350	350
1/4-19	1/8-28	19	4.7	3.5	28	29	**4-2HMK4S**	**4-2HMK4SS**	350	350
1/4-19	1/4-19	19	4.7	4.7	32	35	**4HMK4S**	**4HMK4SS**	350	350
3/8-19	1/4-19	22	7.9	4.7	33	46	**6-4HMK4S**	**6-4HMK4SS**	350	350
3/8-19	3/8-19	22	7.9	7.9	35	51	**6HMK4S**	**6HMK4SS**	350	350
1/2-14	1/4-19	27	11.1	4.7	37	70	**8-4HMK4S**	**8-4HMK4SS**	200	200
1/2-14	3/8-19	27	11.1	7.9	38	76	**8-6HMK4S**	**8-6HMK4SS**	200	200
1/2-14	1/2-14	27	11.1	11.1	41	85	**8HMK4S**	**8HMK4SS**	200	200
5/8-14	1/2-14	30	14.3	11.1	43	106	**10-8HMK4S**	**10-8HMK4SS**	200	200
5/8-14	5/8-14	30	14.3	14.3	45	112	**10HMK4S**	**10HMK4SS**	200	200
3/4-14	1/4-19	32	16.7	4.7	39	92	**12-4HMK4S**	**12-4HMK4SS**	200	200
3/4-14	3/8-19	32	16.7	7.9	41	107	**12-6HMK4S**	**12-6HMK4SS**	200	200
3/4-14	1/2-14	32	16.7	11.1	43	111	**12-8HMK4S**	**12-8HMK4SS**	200	200
3/4-14	5/8-14	32	16.7	14.3	45	106	**12-10HMK4S**	**12-10HMK4SS**	200	200
3/4-14	3/4-14	32	16.7	16.7	45	124	**12HMK4S**	**12HMK4SS**	200	200
1-11	1/2-14	41	22.2	11.1	47	175	**16-8HMK4S**	**16-8HMK4SS**	120	120
1-11	5/8-14	41	22.2	14.3	49	188	**16-10HMK4S**	**16-10HMK4SS**	120	120
1-11	3/4-14	41	22.2	16.7	49	190	**16-12HMK4S**	**16-12HMK4SS**	120	120
1-11	1-11	41	22.2	22.2	52	199	**16HMK4S**	**16HMK4SS**	120	120
1 1/4-11	3/4-14	50	28.6	16.7	57	259	**20-12HMK4S**	**20-12HMK4SS**	105	105
1 1/4-11	1-11	50	28.6	22.2	60	383	**20-16HMK4S**	**20-16HMK4SS**	105	105
1 1/4-11	1 1/4-11	50	28.6	28.6	61	405	**20HMK4S**	**20HMK4SS**	105	105
1 1/2-11	3/4-14	55	33.3	16.7	61	501	**24-12HMK4S**	**24-12HMK4SS**	105	105
1 1/2-11	1-11	55	33.3	22.2	64	417	**24-16HMK4S**	**24-16HMK4SS**	105	105
1 1/2-11	1 1/4-11	55	33.3	28.6	65	410	**24-20HMK4S**	**24-20HMK4SS**	105	105
1 1/2-11	1 1/2-11	55	33.3	33.3	67	534	**24HMK4S**	**24HMK4SS**	105	105
2-11	1 1/2-11	70	46.0	33.3	73	660	**32-24HMK4S**	**32-24HMK4SS**	70	70
2-11	2-11	70	46.0	46.0	76	719	**32HMK4S**	**32HMK4SS**	70	70

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

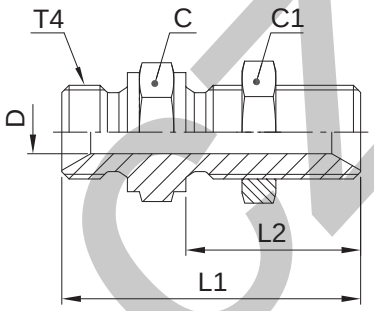
$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOVAL CZ

WMK4WL4NM Bulkhead union

BSPP 60° Cone end (ISO 8434-6)
*Supplied with locknut



Thread BSPP T4	L1 mm	L2 mm	C mm	C1 mm	D mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/4-19	49	28	19	19	4.7	57	**4WMK4WL4NMS**	**4WMK4WL4NMSS**	350	350
3/8-19	55	32	22	22	7.9	84	**6WMK4WL4NMS**	**6WMK4WL4NMSS**	350	350
1/2-14	62	35	27	27	11.1	122	**8WMK4WL4NMS**	**8WMK4WL4NMSS**	200	200
5/8-14	64	35	30	30	14.3	146	**10WMK4WL4NMS**	**10WMK4WL4NMSS**	200	200
3/4-14	67	38	32	36	16.7	209	**12WMK4WL4NMS**	**12WMK4WL4NMSS**	200	200
1-11	74	41	41	41	22.2	328	**16WMK4WL4NMS**	**16WMK4WL4NMSS**	120	120
1 1/4-11	85	44	50	50	28.6	507	**20WMK4WL4NMS**	**20WMK4WL4NMSS**	105	105
1 1/2-11	93	48	55	55	33.3	609	**24WMK4WL4NMS**	**24WMK4WL4NMSS**	105	105

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

For the version without locknut, please delete “WL4NM” (e.g. 16WMK4)

$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

N

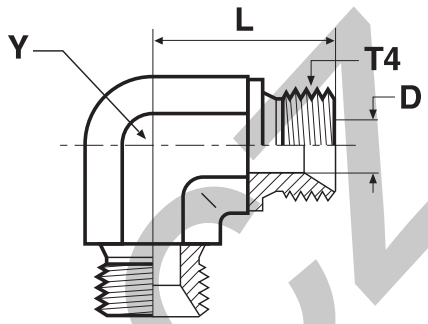
Maximum bulkhead wallthickness

Thread BSPP	Bulkhead union Max. thickness mm
1/4	9.5
3/8	12.5
1/2	12.4
5/8	10.8
3/4	13.4
1	10.1
1 1/4	12.1
1 1/2	14.1

NOVA 07

EMK4 Union elbow

BSPP 60° Cone end (ISO 8434-6)

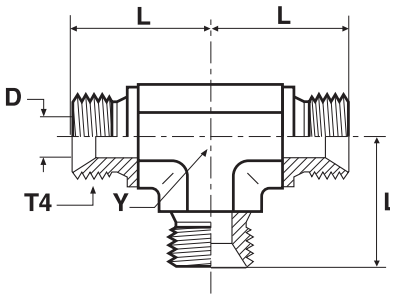


Thread BSPP T4	D mm	L mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	3.5	17	11	21	**2EMK4S**	**2EMK4SS**	350	350
1/4-19	4.7	24	14	45	**4EMK4S**	**4EMK4SS**	350	350
3/8-19	7.9	27	19	85	**6EMK4S**	**6EMK4SS**	350	350
1/2-14	11.1	32	22	123	**8EMK4S**	**8EMK4SS**	200	200
5/8-14	14.3	34	22	109	**10EMK4S**	**10EMK4SS**	200	200
3/4-14	16.7	36	27	178	**12EMK4S**	**12EMK4SS**	200	200
1-11	22.2	42	33	288	**16EMK4S**	**16EMK4SS**	120	120
1 1/4-11	28.6	48	41	512	**20EMK4S**	**20EMK4SS**	105	105
1 1/2-11	33.3	54	48	824	**24EMK4S**	**24EMK4SS**	105	105

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

JMK4 Union tee

BSPP 60° Cone end (ISO 8434-6)



Thread BSPP T4	D mm	L mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	3.5	17	11	33	**2JMK4S**	**2JMK4SS**	350	350
1/4-19	4.7	24	14	61	**4JMK4S**	**4JMK4SS**	350	350
3/8-19	7.9	27	19	105	**6JMK4S**	**6JMK4SS**	350	350
1/2-14	11.1	32	22	157	**8JMK4S**	**8JMK4SS**	200	200
5/8-14	14.3	34	22	145	**10JMK4S**	**10JMK4SS**	200	200
3/4-14	16.7	36	27	258	**12JMK4S**	**12JMK4SS**	200	200
1-11	22.2	42	33	591	**16JMK4S**	**16JMK4SS**	120	120
1 1/4-11	28.6	48	41	646	**20JMK4S**	**20JMK4SS**	105	105
1 1/2-11	33.3	54	48	940	**24JMK4S**	**24JMK4SS**	105	105

Order codes shown are part of our current manufacturing programme.
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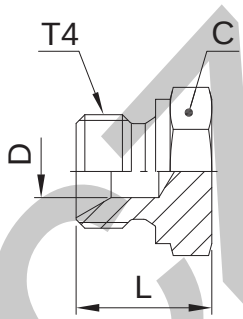
$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

NOVALOC

PNMK4 Plug

BSPP 60° Cone plug (ISO 8434-6)



Thread BSPP T4	C mm	D mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	14	3.5	14	11	**2PNMK4S**	**2PNMK4SS**	350	350
1/4-19	19	4.7	19	22	**4PNMK4S**	**4PNMK4SS**	350	350
3/8-19	22	7.9	21	38	**6PNMK4S**	**6PNMK4SS**	350	350
1/2-14	27	11.1	24	66	**8PNMK4S**	**8PNMK4SS**	200	200
5/8-14	30	14.3	27	76	**10PNMK4S**	**10PNMK4SS**	200	200
3/4-14	32	16.7	27	106	**12PNMK4S**	**12PNMK4SS**	200	200
1-11	41	22.2	30	170	**16PNMK4S**	**16PNMK4SS**	120	120
1 1/4-11	50	28.6	39	316	**20PNMK4S**	**20PNMK4SS**	105	105
1 1/2-11	55	33.3	43	386	**24PNMK4S**	**24PNMK4SS**	105	105
2-11	70	46.0	48	650	**32PNMK4S**	**32PNMK4SS**	70	70

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

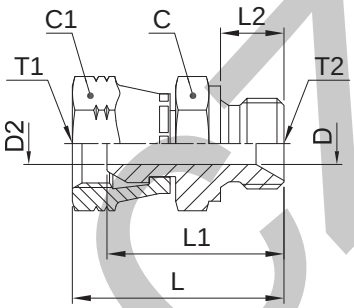
$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOVALON

F6MK4 Swivel male stud

BSPP 60° cone end (ISO 8434-6) / BSPP 60° Female swivel end (ISO 8434-6)



Thread BSPP T1	Thread BSPP T2	C mm	C1 mm	D mm	D2 mm	L mm	L1 mm	L2 mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/4-19	1/4-19	19	19	4.7	4.7	37	31	11	44	**4-4F6MK4S**	**4-4F6MK4SS**	350	350
1/4-19	3/8-19	22	19	7.9	4.7	39	34	12	61	**4-6F6MK4S**	**4-6F6MK4SS**	350	350
1/4-19	1/2-14	27	19	11.1	4.7	42	36	14	75	**4-8F6MK4S**	**4-8F6MK4SS**	200	200
3/8-19	1/4-19	19	22	4.7	4.7	38	32	11	59	**6-4F6MK4S**	**6-4F6MK4SS**	350	350
3/8-19	3/8-19	22	22	7.9	7.9	40	34	12	71	**6-6F6MK4S**	**6-6F6MK4SS**	350	350
3/8-19	1/2-14	27	22	11.1	7.9	44	37	14	92	**6-8F6MK4S**	**6-8F6MK4SS**	200	200
1/2-14	3/8-19	22	27	7.9	7.9	44	37	12	102	**8-6F6MK4S**	**8-6F6MK4SS**	200	200
1/2-14	1/2-14	27	27	11.1	11.1	46	39	14	143	**8-8F6MK4S**	**8-8F6MK4SS**	200	200
1/2-14	3/4-14	32	27	16.7	11.1	49	42	16	157	**8-12F6MK4S**	**8-12F6MK4SS**	200	200
3/4-14	1/2-14	27	32	11.1	11.1	48	39	14	171	**12-8F6MK4S**	**12-8F6MK4SS**	200	200
3/4-14	3/4-14	32	32	16.7	16.7	50	41	16	165	**12-12F6MK4S**	**12-12F6MK4SS**	200	200
3/4-14	1-11	41	32	22.2	16.7	54	45	19	261	**12-16F6MK4S**	**12-16F6MK4SS**	120	120
1-11	3/4-14	32	41	16.7	16.7	54	43	16	250	**16-12F6MK4S**	**16-12F6MK4SS**	120	120
1-11	1-11	41	41	22.2	22.2	57	46	19	300	**16-16F6MK4S**	**16-16F6MK4SS**	120	120
1-11	1-11	50	50	28.6	28.6	71	61	20	528	**20-20F6MK4S**	**20-20F6MK4SS**	120	120

Order codes shown are part of our current manufacturing programme.

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$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

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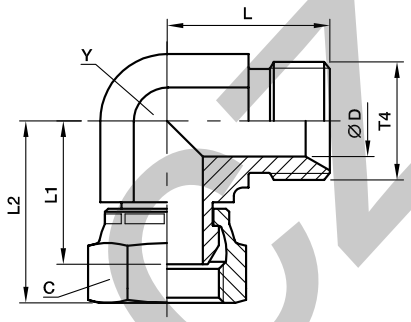
KOVAL

C6MK4 Swivel nut elbow

BSPP 60° cone end (ISO 8434-6) / BSPP 60° Female swivel end (ISO 8434-6)



Thread BSPP T4	C mm	D mm	L mm	L1 mm	L2 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	14	3.5	17	18	23	11	26	**2C6MK4S**	**2C6MK4SS**	350	350
1/4-19	19	4.7	24	25	31	14	62	**4C6MK4S**	**4C6MK4SS**	350	350
3/8-19	22	7.9	27	26	33	19	104	**6C6MK4S**	**6C6MK4SS**	350	350
1/2-14	27	11.1	32	32	39	22	159	**8C6MK4S**	**8C6MK4SS**	200	200
5/8-14	30	14.3	34	30	40	22	158	**10C6MK4S**	**10C6MK4SS**	200	200
3/4-14	32	16.7	36	33	42	27	226	**12C6MK4S**	**12C6MK4SS**	200	200
1-11	41	22.2	42	38	49	33	377	**16C6MK4S**	**16C6MK4SS**	120	120
1 1/4-11	50	28.6	48	48	58	41	650	**20C6MK4S**	**20C6MK4SS**	105	105
1 1/2-11	60	33.3	54	50	63	48	999	**24C6MK4S**	**24C6MK4SS**	105	105

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

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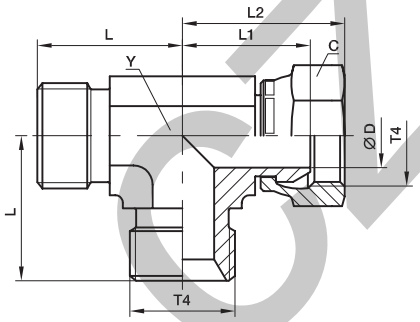
N

KOVAL CZ

R6MK4 Swivel nut run tee

BSPP 60° Cone ends (ISO 8434-6) / BSPP 60° Female swivel end (ISO 8434-6)



Thread BSPP T4	C mm	D mm	L mm	L1 mm	L2 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	14	3.5	17	18	23	11	29	**2R6MK4S**	**2R6MK4SS**	350	350
1/4-19	19	4.7	24	25	31	14	77	**4R6MK4S**	**4R6MK4SS**	350	350
3/8-19	22	7.9	27	26	33	19	128	**6R6MK4S**	**6R6MK4SS**	350	350
1/2-14	27	11.1	32	32	39	22	203	**8R6MK4S**	**8R6MK4SS**	200	200
5/8-14	30	14.3	34	30	40	22	274	**10R6MK4S**	**10R6MK4SS**	200	200
3/4-14	32	16.7	36	33	42	27	274	**12R6MK4S**	**12R6MK4SS**	200	200
1-11	41	22.2	42	38	49	33	456	**16R6MK4S**	**16R6MK4SS**	120	120
1 1/4-11	50	28.6	48	48	58	41	801	**20R6MK4S**	**20R6MK4SS**	105	105

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

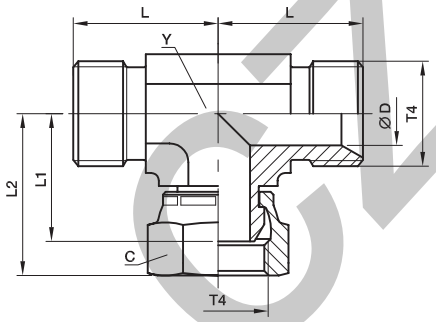
$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOVAL

S6MK4 Swivel nut branch tee

BSPP 60° Cone ends (ISO 8434-6) / BSPP 60° Female swivel end (ISO 8434-6)



Thread BSPP T4	C mm	D mm	L mm	L1 mm	L2 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	14	3.5	17	18	23	11	33	**2S6MK4S**	**2S6MK4SS**	350	350
1/4-19	19	4.7	24	25	31	14	77	**4S6MK4S**	**4S6MK4SS**	350	350
3/8-19	22	7.9	27	26	33	19	126	**6S6MK4S**	**6S6MK4SS**	350	350
1/2-14	27	11.1	32	32	39	22	191	**8S6MK4S**	**8S6MK4SS**	200	200
5/8-14	30	14.3	34	30	40	22	209	**10S6MK4S**	**10S6MK4SS**	200	200
3/4-14	32	16.7	36	33	42	27	286	**12S6MK4S**	**12S6MK4SS**	200	200
1-11	41	22.2	42	38	49	33	493	**16S6MK4S**	**16S6MK4SS**	120	120
1 1/4-11	50	28.6	48	48	58	41	796	**20S6MK4S**	**20S6MK4SS**	105	105

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

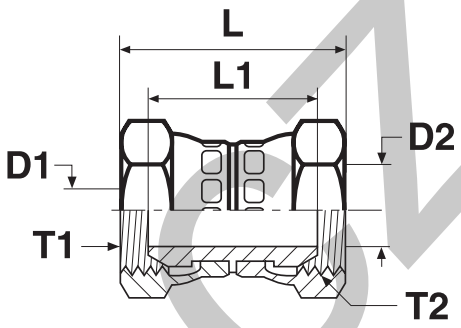
Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

N

KOVAZ

H6MK4 Swivel nut union

BSPP 60° Female swivel ends (ISO 8434-6)



Thread BSPP T1	Thread BSPP T2	D1 mm	D2 mm	L mm	L1 mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/4-19	1/4-19	4.7	4.7	38	27	50	**4H6MK4S**	**4H6MK4SS**	350	350
3/8-19	1/4-19	7.9	4.7	40	28	61	**6-4H6MK4S**	**6-4H6MK4SS**	350	350
3/8-19	3/8-19	7.9	7.9	42	29	73	**6H6MK4S**	**6H6MK4SS**	350	350
1/2-14	1/4-19	11.1	4.7	43	30	85	**8-4H6MK4S**	**8-4H6MK4SS**	200	200
1/2-14	3/8-19	11.1	7.9	44	31	96	**8-6H6MK4S**	**8-6H6MK4SS**	200	200
1/2-14	1/2-14	11.1	11.1	47	33	107	**8H6MK4S**	**8H6MK4SS**	200	200
5/8-14	5/8-14	14.3	14.3	48	29	130	**10H6MK4S**	**10H6MK4SS**	200	200
3/4-14	1/2-14	16.7	11.1	49	33	152	**12-8H6MK4S**	**12-8H6MK4SS**	200	200
3/4-14	3/4-14	16.7	16.7	50	32	167	**12H6MK4S**	**12H6MK4SS**	200	200
1-11	1-11	22.2	22.2	57	35	201	**16H6MK4S**	**16H6MK4SS**	120	120
1 1/4-11	1 1/4-11	28.6	28.6	66	45	340	**20H6MK4S**	**20H6MK4SS**	105	105
1 1/2-11	1 1/2-11	33.3	33.3	70	43	583	**24H6MK4S**	**24H6MK4SS**	105	105

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

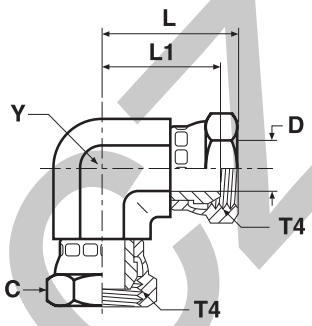
$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOVAL

E6MK4 Swivel nut elbow

BSPP 60° Female swivel ends (ISO 8434-6)



Thread BSPP T4	C mm	D mm	L mm	L1 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/4-19	19	4.7	31	25	14	90	**4E6MK4S**	**4E6MK4SS**	350	350
3/8-19	22	7.9	33	26	19	127	**6E6MK4S**	**6E6MK4SS**	350	350
1/2-14	27	11.1	39	32	22	225	**8E6MK4S**	**8E6MK4SS**	200	200
5/8-14	30	14.3	39	30	22	203	**10E6MK4S**	**10E6MK4SS**	200	200
3/4-14	32	16.7	42	33	27	263	**12E6MK4S**	**12E6MK4SS**	200	200
1-11	41	22.2	49	38	33	667	**16E6MK4S**	**16E6MK4SS**	120	120
1 1/4-11	50	28.6	58	48	41	795	**20E6MK4S**	**20E6MK4SS**	105	105
1 1/2-11	60	33.3	63	50	48	1219	**24E6MK4S**	**24E6MK4SS**	105	105

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

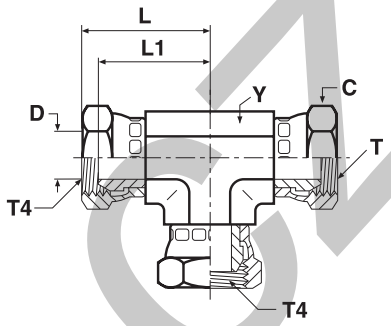
Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

N

KOVAL-CZ

J6MK4 Swivel nut tee

BSPP 60° Female swivel ends (ISO 8434-6)



Thread BSPP T4	C mm	D mm	L mm	L1 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/4-19	19	4.7	31	25	14	119	**4J6MK4S**	**4J6MK4SS**	350	350
3/8-19	22	7.9	33	26	19	195	**6J6MK4S**	**6J6MK4SS**	350	350
1/2-14	27	11.1	39	32	22	267	**8J6MK4S**	**8J6MK4SS**	200	200
5/8-14	30	14.3	39	30	22	300	**10J6MK4S**	**10J6MK4SS**	200	200
3/4-14	32	16.7	42	33	27	398	**12J6MK4S**	**12J6MK4SS**	200	200
1-11	41	22.2	49	38	33	620	**16J6MK4S**	**16J6MK4SS**	120	120
1 1/4-11	50	28.6	58	48	41	1050	**20J6MK4S**	**20J6MK4SS**	105	105

Order codes shown are part of our current manufacturing programme.

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$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

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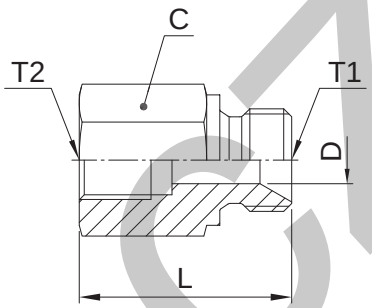
KOVAL CZ

G4MK4 Female connector

BSPP 60° Cone end (ISO8434-6) / Female BSPP thread (ISO1179-1)



Thread BSPP T1	Thread BSPP T2	C mm	D mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/4-19	1/4-19	19	4.7	34	47	**4-4G4MK4S**	**4-4G4MK4SS**	350	350
3/8-19	1/4-19	22	7.9	36	74	**6G4MK4S**	**6G4MK4SS**	350	350
3/8-19	3/8-19	27	7.9	35	75	**6-6G4MK4S**	**6-6G4MK4SS**	200	200
1/2-14	1/4-19	27	11.1	38	77	**8-4G4MK4S**	**8-4G4MK4SS**	200	200
1/2-14	3/8-19	27	11.1	40	102	**8G4MK4S**	**8G4MK4SS**	200	200
1/2-14	1/2-14	27	11.1	46	120	**8-8G4MK4S**	**8-8G4MK4SS**	200	200
3/4-14	1/4-19	32	16.7	40	180	**12-4G4MK4S**	**12-4G4MK4SS**	200	200
3/4-14	3/8-19	32	16.7	42	167	**12-6G4MK4S**	**12-6G4MK4SS**	200	200
3/4-14	1/2-14	32	16.7	48	209	**12-8G4MK4S**	**12-8G4MK4SS**	200	200
3/4-14	3/4-14	36	16.7	46	188	**12G4MK4S**	**12G4MK4SS**	200	200
1-11	1/4-19	41	22.2	43	298	**16-4G4MK4S**	**16-4G4MK4SS**	120	120
1-11	3/8-19	41	22.2	45	287	**16-6G4MK4S**	**16-6G4MK4SS**	120	120
1-11	1/2-14	41	22.2	51	275	**16-8G4MK4S**	**16-8G4MK4SS**	120	120
1-11	3/4-14	41	22.2	52	360	**16-12G4MK4S**	**16-12G4MK4SS**	120	120

Order codes shown are part of our current manufacturing programme.

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$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

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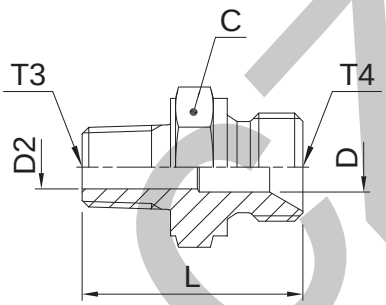
N

KOVAL CZ

F3MK4 Male stud connector

BSPP 60° Cone end (ISO 8434-6) / Male BSPT thread (ISO 7)



Thread BSPP T4	Thread BSPT T3	C mm	D mm	D2 mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	1/8-28	14	3.5	3.5	25	15	**2F3MK4S**	**2F3MK4SS**	315	315
1/8-28	1/4-19	14	3.5	7.0	29	28	**2-4F3MK4S**	**2-4F3MK4SS**	315	315
1/4-19	1/4-19	19	4.7	4.7	34	31	**4-4F3MK4S**	**4-4F3MK4SS**	315	315
1/4-19	1/8-28	19	4.7	4.7	29	27	**4F3MK4S**	**4F3MK4SS**	315	315
1/4-19	3/8-19	19	4.7	10.0	34	44	**4-6F3MK4S**	**4-6F3MK4SS**	315	315
3/8-19	3/8-19	22	7.9	7.9	35	52	**6-6F3MK4S**	**6-6F3MK4SS**	315	315
3/8-19	1/2-14	22	7.9	13.5	40	68	**6-8F3MK4S**	**6-8F3MK4SS**	160	160
3/8-19	1/4-19	22	7.9	7.0	35	48	**6F3MK4S**	**6F3MK4SS**	315	315
1/2-14	1/2-14	27	11.1	11.1	44	79	**8-8F3MK4S**	**8-8F3MK4SS**	160	160
1/2-14	3/8-19	27	11.1	10.0	39	68	**8F3MK4S**	**8F3MK4SS**	200	200
5/8-14	1/2-14	30	14.3	13.5	46	101	**10F3MK4S**	**10F3MK4SS**	200	200
5/8-14	3/4-14	30	14.3	14.3	47	102	**10-12F3MK4S**	**10-12F3MK4SS**	160	160
3/4-14	1/2-14	32	16.7	13.5	46	111	**12-8F3MK4S**	**12-8F3MK4SS**	315	315
3/4-14	3/4-14	32	16.7	16.7	46	126	**12F3MK4S**	**12F3MK4SS**	160	160
3/4-14	1-14	36	16.7	24.0	51	242	**12-16F3MK4S**	**12-16F3MK4SS**	120	120
1-11	3/4-14	41	22.2	18.0	50	173	**16-12F3MK4S**	**16-12F3MK4SS**	120	120
1-11	1-11	41	22.2	22.2	55	219	**16F3MK4S**	**16F3MK4SS**	120	120
1 1/4-11	1 1/4-11	50	28.6	32.0	64	337	**20F3MK4S**	**20F3MK4SS**	105	105
1 1/2-11	1 1/2-11	55	33.3	33.3	69	497	**24F3MK4S**	**24F3MK4SS**	105	105

Order codes shown are part of our current manufacturing programme.

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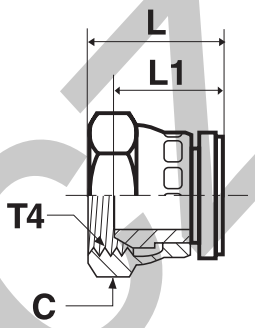
KOVAI

FNMK4 Cap

BSPP 60° Cone female swivel cap end



Thread BSPP T4	C mm	L mm	L1 mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	14	16	11	19	**2FNMK4S**	**2FNMK4SS**	350	350
1/4-19	19	20	15	23	**4FNMK4S**	**4FNMK4SS**	350	350
3/8-19	22	22	15	43	**6FNMK4S**	**6FNMK4SS**	350	350
1/2-14	27	25	18	64	**8FNMK4S**	**8FNMK4SS**	200	200
5/8-14	30	25	16	80	**10FNMK4S**	**10FNMK4SS**	200	200
3/4-14	32	26	17	115	**12FNMK4S**	**12FNMK4SS**	200	200
1-11	41	30	19	154	**16FNMK4S**	**16FNMK4SS**	120	120
1 1/4-11	50	34	24	345	**20FNMK4S**	**20FNMK4SS**	105	105
1 1/2-11	60	36	23	500	**24FNMK4S**	**24FNMK4SS**	105	105

Order codes shown are part of our current manufacturing programme.

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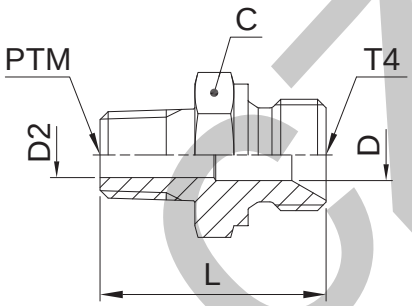
KOVA-CI

N

FMK4 Male stud connector

BSPP 60° Cone end (ISO 8434-6) / Male NPTF* thread (SAE J476)
*Stainless Steel = NPT to prevent galling



Thread BSPP T4	Thread NPT/NPTF PTM	C mm	D mm	D2 mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	1/8-27	14	3.5	3.5	24	17	**2FMK4S**	**2FMK4SS**	350	350
1/8-28	1/4-18	14	3.5	3.5	29	21	**2-4FMK4S**	**2-4FMK4SS**	350	350
1/4-19	1/8-27	19	4.7	4.7	29	24	**4FMK4S**	**4FMK4SS**	350	350
1/4-19	1/4-18	19	4.7	4.7	33	33	**4-4FMK4S**	**4-4FMK4SS**	350	350
1/4-19	3/8-18	19	4.7	4.7	33	41	**4-6FMK4S**	**4-6FMK4SS**	350	350
1/4-19	1/2-14	22	4.7	4.7	40	80	**4-8FMK4S**	**4-8FMK4SS**	350	350
3/8-19	1/4-18	22	7.9	7.0	35	45	**6FMK4S**	**6FMK4SS**	350	350
3/8-19	3/8-18	22	7.9	7.9	35	50	**6-6FMK4S**	**6-6FMK4SS**	350	350
3/8-19	1/2-14	22	7.9	7.9	40	77	**6-8FMK4S**	**6-8FMK4SS**	350	350
1/2-14	3/8-18	27	11.1	10.0	39	48	**8FMK4S**	**8FMK4SS**	200	200
1/2-14	1/2-14	27	11.1	11.1	43	93	**8-8FMK4S**	**8-8FMK4SS**	200	200
1/2-14	3/4-14	27	11.1	11.1	43	95	**8-12FMK4S**	**8-12FMK4SS**	200	200
3/4-14	1/2-14	32	16.7	13.5	46	112	**12-8FMK4S**	**12-8FMK4SS**	200	200
3/4-14	3/4-14	32	16.7	16.7	46	124	**12FMK4S**	**12FMK4SS**	200	200
3/4-14	1-11 1/2	36	16.7	16.7	51	150	**12-16FMK4S**	**12-16FMK4SS**	200	200
1-11	3/4-14	41	22.2	18.0	50	188	**16-12FMK4S**	**16-12FMK4SS**	120	120
1-11	1-11 1/2	41	22.2	22.2	55	234	**16FMK4S**	**16FMK4SS**	120	120
1 1/4-11	1 1/4-11 1/2	50	28.6	28.6	64	360	**20FMK4S**	**20FMK4SS**	105	105
1 1/2-11	1 1/2-11 1/2	55	33.3	38.0	69	510	**24FMK4S**	**24FMK4SS**	105	105

Order codes shown are part of our current manufacturing programme.

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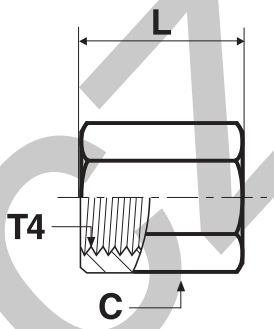
KOVAL

GG44M Female thread coupling

Female BSPP thread (ISO 1179-1)



Thread BSPP T4	C mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	14	19	16	**1/8GG44MS**	**1/8GG44MSS**	420	420
1/4-19	17	28	30	**1/4GG44MS**	**1/4GG44MSS**	420	420
3/8-19	22	28	47	**3/8GG44MS**	**3/8GG44MSS**	420	420
1/2-14	27	33	78	**1/2GG44MS**	**1/2GG44MSS**	350	350
3/4-14	32	37	105	**3/4GG44MS**	**3/4GG44MSS**	280	280
1-11	46	42	341	**1GG44MS**	**1GG44MSS**	210	210

Order codes shown are part of our current manufacturing programme.

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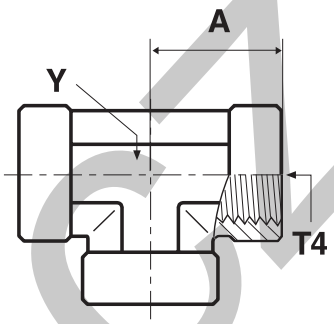
N

KOVAL CZ

MMO444M Female thread tee

Female BSPP threads (ISO 1179-1)



Thread BSPP T4	A mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	PN (bar)
1/4-19	22	19	74	**1/4MMO444MS**	350
3/8-19	26	22	111	**3/8MMO444MS**	315
1/2-14	31	27	177	**1/2MMO444MS**	210
3/4-14	40	33	294	**3/4MMO444MS**	210
1-11	46	41	567	**1MMO444MS**	120

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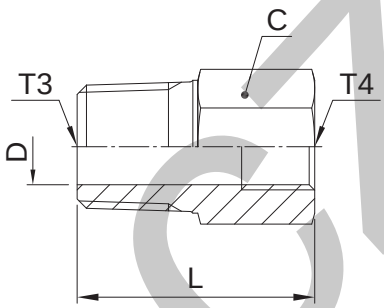
KOVAZ67

PTR34M Thread reducer

Male BSPT thread (ISO 7) / Female BSPP thread (ISO 1179-1)



Thread BSPT T3	Thread BSPP T4	C mm	D mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/4-19	1/8-28	14	7.0	28	16	**1/4X1/8PTR34MS**	**1/4X1/8PTR34MSS**	315	315
3/8-19	1/4-19	19	10.0	33	44	**3/8X1/4PTR34MS**	**3/8X1/4PTR34MSS**	315	315
1/2-14	1/4-19	22	11.7	39	71	**1/2X1/4PTR34MS**	**1/2X1/4PTR34MSS**	315	315
1/2-14	3/8-19	22	13.5	39	48	**1/2X3/8PTR34MS**	**1/2X3/8PTR34MSS**	315	315
3/4-14	1/4-19	27	11.7	39	108	**3/4X1/4PTR34MS**	**3/4X1/4PTR34MSS**	280	280
3/4-14	3/8-19	27	18.0	39	127	**3/4X3/8PTR34MS**	**3/4X3/8PTR34MSS**	280	280
3/4-14	1/2-14	27	18.0	42	94	**3/4X1/2PTR34MS**	**3/4X1/2PTR34MSS**	280	280
1-11	3/8-19	36	24.0	40	185	**1X3/8PTR34MS**	**1X3/8PTR34MSS**	210	210
1-11	1/2-14	36	24.0	48	224	**1X1/2PTR34MS**	**1X1/2PTR34MSS**	210	210
1-11	3/4-14	36	24.0	49	186	**1X3/4PTR34MS**	**1X3/4PTR34MSS**	210	210

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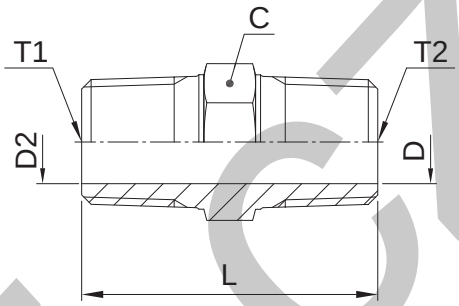
N

KOVAL CZ

FF33M Male nipple

Male BSPT thread (ISO 7)



Thread BSPT T1	Thread BSPT T2	C mm	D mm	D2 mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	1/8-28	11	5.0	5.0	27	12	**1/8FF33MS**	**1/8FF33MSS**	315	315
1/4-19	1/8-28	14	5.0	5.0	32	25	**1/4X1/8FF33MS**	**1/4X1/8FF33MSS**	315	315
1/4-19	1/4-19	14	7.0	7.0	37	25	**1/4FF33MS**	**1/4FF33MSS**	315	315
3/8-19	1/4-19	17	7.0	7.0	37	42	**3/8X1/4FF33MS**	**3/8X1/4FF33MSS**	315	315
3/8-19	3/8-19	17	10.0	10.0	37	30	**3/8FF33MS**	**3/8FF33MSS**	315	315
1/2-14	1/4-19	22	7.0	7.0	43	68	**1/2X1/4FF33MS**	**1/2X1/4FF33MSS**	315	315
1/2-14	3/8-19	22	10.3	10.3	43	67	**1/2X3/8FF33MS**	**1/2X3/8FF33MSS**	315	315
1/2-14	1/2-14	22	13.5	13.5	48	72	**1/2FF33MS**	**1/2FF33MSS**	315	315
3/4-14	1/2-14	27	13.5	13.5	50	123	**3/4X1/2FF33MS**	**3/4X1/2FF33MSS**	160	160
3/4-14	3/4-14	27	18.0	18.0	50	110	**3/4FF33MS**	**3/4FF33MSS**	160	160
1-11	3/4-14	36	18.0	18.0	55	215	**1X3/4FF33MS**	**1X3/4FF33MSS**	160	160
1-11	1-11	36	23.8	23.8	59	190	**1FF33MS**	**1FF33MSS**	160	160

Order codes shown are part of our current manufacturing programme.

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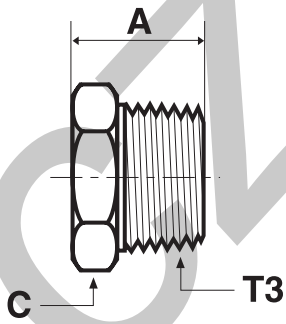
KOVAZ

HP3M Hexagon head plug

Male BSPT thread (ISO 7)



Thread BSPT T3	A mm	C mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-28	14	11	9	**1/8HP3MS**	**1/8HP3MSS**	315	315
1/4-19	19	14	16	**1/4HP3MS**	**1/4HP3MSS**	315	315
3/8-19	20	19	35	**3/8HP3MS**	**3/8HP3MSS**	315	315
1/2-14	25	22	52	**1/2HP3MS**	**1/2HP3MSS**	315	315
3/4-14	27	27	85	**3/4HP3MS**	**3/4HP3MSS**	160	160
1-11	32	36	134	**1HP3MS**	**1HP3MSS**	160	160

Order codes shown are part of our current manufacturing programme.

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$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

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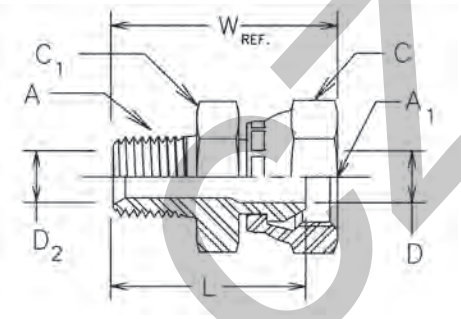
KOVAZ

N

0107 Swivel male stud

Male NPTF* thread (SAE J476) / NPSM Female swivel end (SAE J516)
SAE 140130
*Stainless Steel = NPT to prevent galling



Thread NPTF A	Thread NPSM A1	C mm	C1 mm	D mm	D2 mm	L mm	W mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	1/8-27	14.3	14.3	4.0	4.8	24	28	23	**0107-2-2**	**0107-2-2-SS**	350	350
1/8-27	1/4-18	17.5	16.0	4.8	4.8	27	32	33	**0107-2-4**	**0107-2-4-SS**	350	350
1/4-18	1/4-18	17.5	17.5	5.6	7.1	32	36	40	**0107-4-4**	**0107-4-4-SS**	350	350
1/4-18	3/8-18	22.2	20.6	7.1	7.1	32	37	57	**0107-4-6**	**0107-4-6-SS**	280	280
1/4-18	1/2-14	25.4	23.8	11.9	7.1	37	44	91	**0107-4-8**	**0107-4-8-SS**	245	245
3/8-18	1/4-18	17.5	17.5	5.6	10.3	33	38	48	**0107-6-4**	**0107-6-4-SS**	350	350
3/8-18	3/8-18	22.2	22.2	8.7	10.3	33	38	62	**0107-6-6**	**0107-6-6-SS**	280	280
3/8-18	1/2-14	25.4	23.8	10.3	10.3	37	44	97	**0107-6-8**	**0107-6-8-SS**	245	245
1/2-14	3/8-18	22.2	22.2	8.7	13.5	38	43	76	**0107-8-6**	**0107-8-6-SS**	280	280
1/2-14	1/2-14	25.4	25.4	11.9	13.5	41	49	109	**0107-8-8**	**0107-8-8-SS**	245	245
1/2-14	3/4-14	31.8	31.8	13.5	13.5	43	52	167	**0107-8-12**	**0107-8-12-SS**	140	140
3/4-14	1/2-14	25.4	28.6	11.9	18.3	41	49	122	**0107-12-8**	**0107-12-8-SS**	245	245
3/4-14	3/4-14	31.8	31.8	16.3	18.3	43	52	154	**0107-12-12**	**0107-12-12-SS**	140	140
3/4-14	1-11.5	38.0	38.0	21.4	18.3	46	55	247	**0107-12-16**	**0107-12-16-SS**	120	120
1-11.5	3/4-14	31.8	35.0	16.3	23.8	49	58	217	**0107-16-12**	**0107-16-12-SS**	140	140
1-11.5	1-11.5	38.0	38.0	21.4	23.8	51	60	238	**0107-16-16**	**0107-16-16-SS**	120	120
1-11.5	1 1/4-11.5	47.6	44.5	29.0	23.8	51	61	298	**0107-16-20**	**0107-16-20-SS**	120	120
1 1/4-11.5	1-11.5	38.0	47.6	21.4	31.8	53	63	356	**0107-20-16**	**0107-20-16-SS**	120	120
1 1/4-11.5	1 1/4-11.5	47.6	47.6	29.0	31.8	53	63	390	**0107-20-20**	**0107-20-20-SS**	120	120
1 1/2-11.5	1 1/2-11.5	54.0	54.0	34.5	38.1	56	66	498	**0107-24-24**	**0107-24-24-SS**	85	85
2-11.5	2-11.5	66.7	66.7	46.1	49.2	60	71	749	**0107-32-32**	**0107-32-32-SS**	75	75

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

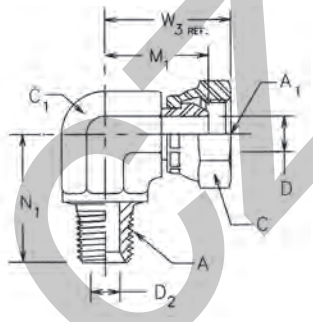
$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOMATSU

2107 Swivel male elbow

Male NPTF* thread (SAE J476) / NPSM Female swivel end (SAE J516)
SAE 140230
*Stainless Steel = NPT to prevent galling



Thread NPTF A	Thread NPSM A1	C mm	C1 mm	D mm	D2 mm	M1 mm	N1 mm	W3 mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	1/8-27	14.3	11.0	4.0	4.8	18	18	22	28	**2107-2-2**	**2107-2-2-SS**	350	350
1/4-18	1/4-18	17.5	14.0	5.6	7.1	22	28	27	55	**2107-4-4**	**2107-4-4-SS**	350	350
1/4-18	3/8-18	22.2	19.0	8.7	7.1	25	28	33	94	**2107-4-6**	**2107-4-6-SS**	280	280
3/8-18	1/4-18	17.5	19.0	5.6	10.3	25	31	30	88	**2107-6-4**	**2107-6-4-SS**	350	350
3/8-18	3/8-18	22.2	19.0	8.7	10.3	25	31	33	90	**2107-6-6**	**2107-6-6-SS**	280	280
3/8-18	1/2-14	25.4	19.0	11.9	10.3	26	31	34	107	**2107-6-8**	**2107-6-8-SS**	245	245
1/2-14	3/8-18	22.2	22.0	8.7	13.5	27	37	34	130	**2107-8-6**	**2107-8-6-SS**	280	280
1/2-14	1/2-14	25.4	22.0	11.9	13.5	28	37	36	139	**2107-8-8**	**2107-8-8-SS**	245	245
1/2-14	3/4-14	31.8	27.0	16.3	13.5	33	37	42	221	**2107-8-12**	**2107-8-12-SS**	140	140
3/4-14	3/8-18	22.2	27.0	8.7	18.3	30	40	38	227	**2107-12-6**	**2107-12-6-SS**	280	280
3/4-14	1/2-14	25.4	27.0	11.9	18.3	32	40	39	191	**2107-12-8**	**2107-12-8-SS**	245	245
3/4-14	3/4-14	31.8	27.0	16.3	18.3	33	40	42	225	**2107-12-12**	**2107-12-12-SS**	140	140
1-11.5	3/4-14	31.8	33.3	16.3	23.8	37	50	46	374	**2107-16-12**	**2107-16-12-SS**	140	140
1-11.5	1-11.5	38.0	33.3	21.4	23.8	39	50	49	361	**2107-16-16**	**2107-16-16-SS**	120	120
1 1/4-11.5	1 1/4-11.5	47.6	41.0	29.0	31.8	44	61	54	794	**2107-20-20**	**2107-20-20-SS**	120	120
1 1/2-11.5	1 1/2-11.5	54.0	47.6	34.5	38.1	48	67	59	782	**2107-24-24**	**2107-24-24-SS**	85	85
2-11.5	2-11.5	66.7	63.5	46.1	49.2	58	76	69	1910	**2107-32-32**	**2107-32-32-SS**	75	75

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

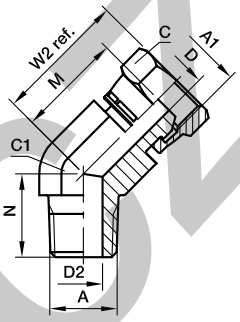
Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

N

KOVAL

3107 Swivel male 45° elbow

Male NPTF* thread (SAE J476) / NPSM Female swivel end (SAE J516)
SAE 140330
*Stainless Steel = NPT to prevent galling



Thread NPTF A	Thread NPSM A1	C mm	C1 mm	D mm	D2 mm	M mm	N mm	W2 mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	1/8-27	14.3	11.0	4.0	4.8	16	13	20	21	**3107-2-2**		350	—
1/4-18	1/4-18	17.5	14.0	5.6	7.1	19	22	23	44	**3107-4-4**	**3107-4-4-SS**	350	350
3/8-18	3/8-18	22.2	19.0	8.7	10.3	21	24	28	80	**3107-6-6**	**3107-6-6-SS**	280	280
1/2-14	3/8-18	22.2	22.0	8.7	13.5	21	30	28	110	**3107-8-6**	**3107-8-6-SS**	280	280
1/2-14	1/2-14	25.4	22.0	11.9	13.5	22	30	30	114	**3107-8-8**	**3107-8-8-SS**	245	245
1/2-14	3/4-14	31.8	27.0	16.3	13.5	23	38	31	144	**3107-8-12**	**3107-8-12-SS**	140	140
3/4-14	1/2-14	25.4	27.0	11.9	18.3	24	31	31	153	**3107-12-8**	**3107-12-8-SS**	245	245
3/4-14	3/4-14	31.8	27.0	16.3	18.3	26	31	35	172	**3107-12-12**	**3107-12-12-SS**	140	140
1-11.5	3/4-14	31.8	33.3	16.3	23.8	28	38	37	245	**3107-16-12**	**3107-16-12-SS**	140	140
1-11.5	1-11.5	38.0	33.3	21.4	23.8	29	38	39	368	**3107-16-16**	**3107-16-16-SS**	120	120
1 1/4-11.5	1 1/4-11.5	47.6	41.0	29.0	31.8	31	42	41	619	**3107-20-20**	**3107-20-20-SS**	120	120
1 1/2-11.5	1 1/2-11.5	54.0	47.6	34.5	38.1	34	45	45	719	**3107-24-24**	**3107-24-24-SS**	85	85
2-11.5	2-11.5	66.7	63.5	46.1	49.2	37	54	48	1372	**3107-32-32**	**3107-32-32-SS**	75	75

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

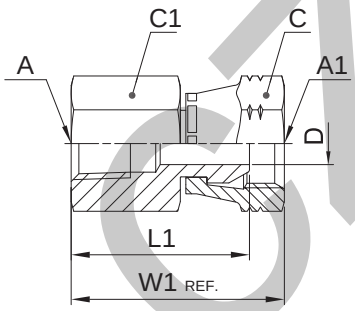
$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOVAL.CZ

0207 Female connector

Female NPTF* thread (SAE J476) / NPSM Female swivel end (SAE J516)
SAE 140131
*Stainless Steel = NPT to prevent galling



Thread NPTF A	Thread NPSM A1	C mm	C1 mm	D mm	L1 mm	W1 mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	1/8-27	14.3	14.3	4.0	22	26	15	**0207-2-2**	**0207-2-2-SS**	350	350
1/4-18	1/4-18	17.5	17.5	5.6	32	36	44	**0207-4-4**	**0207-4-4-SS**	350	350
3/8-18	1/4-18	17.5	22.2	5.6	33	38	52	**0207-6-4**	**0207-6-4-SS**	350	350
3/8-18	3/8-18	22.2	22.2	8.7	33	38	81	**0207-6-6**	**0207-6-6-SS**	280	280
1/2-14	3/8-18	22.2	25.4	8.7	39	44	121	**0207-8-6**	**0207-8-6-SS**	280	280
1/2-14	1/2-14	25.4	25.4	11.9	38	46	119	**0207-8-8**	**0207-8-8-SS**	245	245
3/4-14	3/4-14	31.8	31.8	16.3	41	50	161	**0207-12-12**	**0207-12-12-SS**	140	140
1-11.5	1-11.5	38.0	38.0	21.4	51	60	162	**0207-16-16**	**0207-16-16-SS**	120	120
1 1/4-11.5	1 1/4-11.5	47.6	47.6	29.0	51	61	378	**0207-20-20**	**0207-20-20-SS**	120	120
1 1/2-11.5	1 1/2-11.5	54.0	54.0	34.5	51	62	446	**0207-24-24**	**0207-24-24-SS**	85	85
2-11.5	2-11.5	66.7	66.7	46.1	54	65	707	**0207-32-32**	**0207-32-32-SS**	75	75

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

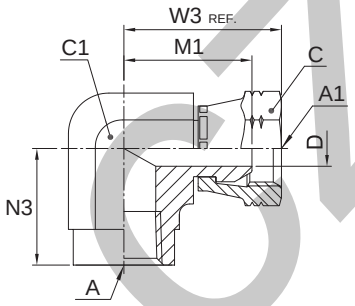
N

KOVAZ

Index

2207 Female elbow

Female NPTF* thread (SAE J476) / NPSM Female swivel end (SAE J516)
SAE 140231
*Stainless Steel = NPT to prevent galling



Thread NPTF A	Thread NPSM A1	C mm	C1 mm	D mm	M1 mm	W3 mm	N3 mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/8-27	1/8-27	14.3	14.0	4.0	20	24	17	37	**2207-2-2**	**2207-2-2-SS**	350	350
1/4-18	1/4-18	17.5	19.0	5.6	25	30	22	98	**2207-4-4**	**2207-4-4-SS**	350	350
3/8-18	3/8-18	22.2	22.0	8.7	27	32	26	152	**2207-6-6**	**2207-6-6-SS**	280	280
1/2-14	1/2-14	25.4	27.0	11.9	32	39	31	246	**2207-8-8**	**2207-8-8-SS**	245	245
3/4-14	3/4-14	31.8	33.3	16.3	37	46	35	313	**2207-12-12**	**2207-12-12-SS**	140	140
1-11.5	1-11.5	38.0	41.0	21.4	44	53	41	530	**2207-16-16**	**2207-16-16-SS**	120	120
1 1/4-11.5	1 1/4-11.5	47.6	47.6	29.0	47	56	43	1159	**2207-20-20**	**2207-20-20-SS**	120	120
1 1/2-11.5	1 1/2-11.5	54.0	63.5	34.5	61	72	53	1679	**2207-24-24**	**2207-24-24-SS**	85	85
2-11.5	2-11.5	66.7	71.5	46.1	65	76	61	2136	**2207-32-32**	**2207-32-32-SS**	75	75

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

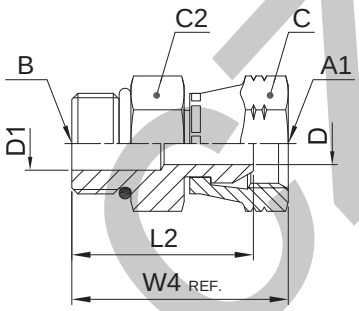
$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOVAL67

0507 Swivel male stud

Male UN/UNF thread O-ring (ISO 11926) / NPSM Female swivel end (SAE J516)
SAE 140157



Thread UN/UNF-2A B	Thread NPSM A1	C mm	C2 mm	D mm	D1 mm	L2 mm	W4 mm	Weight (steel) g/1 piece	Adapter Steel	PN (bar)
7/16-20	1/4-18	17.5	14.3	5.6	5.6	29	34	32	**0507-4-4**	350
9/16-18	1/4-18	17.5	17.5	5.6	5.6	30	34	45	**0507-6-4**	350
9/16-18	3/8-18	22.2	17.5	8.7	8.7	30	35	48	**0507-6-6**	280
9/16-18	1/2-14	25.4	19.0	7.5	7.5	33	40	76	**0507-6-8**	245
3/4-16	1/4-18	17.5	22.2	5.6	9.9	32	36	65	**0507-8-4**	350
3/4-16	3/8-18	22.2	22.2	8.7	8.7	32	37	69	**0507-8-6**	280
3/4-16	1/2-14	25.4	22.2	9.9	9.9	32	40	83	**0507-8-8**	245
3/4-16	3/4-14	31.8	25.4	16.3	9.9	37	46	137	**0507-8-12**	140
7/8-14	1/2-14	25.4	25.4	11.9	11.9	37	44	98	**0507-10-8**	245
1 1/16-12	1/2-14	25.4	31.8	11.9	11.9	40	48	157	**0507-12-8**	245
1 1/16-12	3/4-14	31.8	31.8	16.3	16.3	41	50	200	**0507-12-12**	140
1 5/16-12	1-11.5	38.0	38.0	21.4	21.4	45	54	317	**0507-16-16**	120
1 5/8-12	1 1/4-11.5	47.6	47.6	27.4	27.4	47	56	398	**0507-20-20**	120
1 7/8-12	1 1/2-11.5	54.0	54.0	33.3	33.3	50	61	498	**0507-24-24**	85
2 1/2-12	2-11.5	66.7	70.0	45.2	45.2	52	63	749	**0507-32-32**	75

Parker Adapter are delivered with NBR elastomeric seals as standard. For more details on other seal materials see page N60.

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

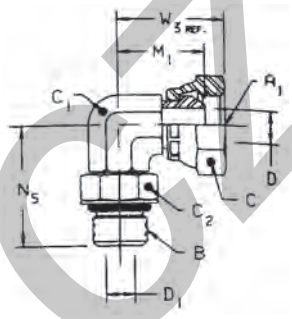
$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOVAZ

2507 Swivel male elbow

Male UN/UNF thread O-ring (ISO 11926) / NPSM Female swivel end (SAE J516)
SAE 140257



Thread UN/UNF-2A B	Thread NPSM A1	C mm	C1 mm	C2 mm	D mm	D1 mm	M1 mm	W3 mm	N5 mm	Weight (steel) g/1 piece	Adapter Steel	PN (bar)
7/16-20	1/4-18	17.5	11.0	14.3	5.6	4.4	20	25	26	42	**2507-4-4**	350
9/16-18	1/4-18	17.5	14.0	17.6	5.6	7.5	22	27	31	56	**2507-6-4**	350
9/16-18	3/8-18	22.2	14.0	17.6	8.7	7.5	22	28	31	56	**2507-6-6**	280
9/16-18	1/2-14	19.0	19.0	17.6	11.9	7.5	26	34	36	65	**2507-6-8**	245
3/4-16	3/8-18	22.2	19.0	22.2	8.7	9.9	25	30	37	119	**2507-8-6**	280
3/4-16	1/2-14	25.4	19.0	22.2	11.9	9.9	26	34	37	119	**2507-8-8**	245
3/4-16	3/4-14	31.8	27.0	22.2	16.0	9.9	33	42	41	174	**2507-8-12**	140
7/8-14	3/8-18	22.2	22.0	25.4	8.7	12.3	27	32	43	164	**2507-10-6**	280
7/8-14	1/2-14	25.4	22.0	25.4	11.9	12.3	28	36	43	178	**2507-10-8**	245
7/8-14	3/4-14	31.8	27.0	25.4	16.3	12.3	33	42	45	243	**2507-10-12**	140
1 1/16-12	1/2-14	25.4	27.0	31.8	11.9	15.5	31	38	49	193	**2507-12-8**	245
1 1/16-12	3/4-14	31.8	27.0	31.8	16.3	15.5	33	42	49	283	**2507-12-12**	140
1 5/16-12	1-11.5	38.0	33.3	38.0	21.4	21.4	39	49	53	525	**2507-16-16**	120
1 5/8-12	1 1/4-11.5	47.6	41.3	47.6	29.0	27.4	45	55	57	530	**2507-20-20**	120
1 7/8-12	1 1/2-11.5	54.0	47.6	54.0	34.5	33.3	48	59	61	600	**2507-24-24**	85

Parker Adapter are delivered with NBR elastomeric seals as standard. For more details on other seal materials see page N60.

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

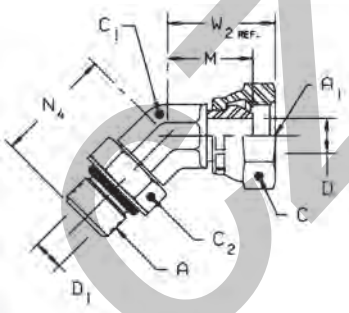
$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

KOVAL.cz

3507 Swivel male 45° elbow

Male UN/UNF thread O-ring (ISO 11926) / NPSM Female swivel end (SAE J516)
SAE 140357



Thread UN/UNF-2A A	Thread NPSM A1	C mm	C1 mm	C2 mm	D mm	D1 mm	M mm	W2 mm	N4 mm	Weight (steel) g/1 piece	Adapter Steel	PN (bar)
7/16-20	1/4-18	17.5	11.0	14.3	5.6	4.4	16	20	27	41	**3507-4-4**	350
9/16-18	3/8-18	22.2	14.0	17.5	8.7	7.5	21	26	29	62	**3507-6-6**	280
3/4-16	3/8-18	22.2	19.0	22.2	8.7	9.9	21	26	33	106	**3507-8-6**	280
3/4-16	1/2-14	25.4	19.0	22.2	11.9	9.9	21	30	33	141	**3507-8-8**	245
3/4-16	3/4-14	31.8	27.0	22.2	16.3	9.9	26	35	36	226	**3507-8-12**	140
7/8-14	1/2-14	25.4	22.0	25.4	11.9	12.3	22	30	39	154	**3507-10-8**	245
1 1/16-12	3/4-14	31.8	27.0	31.8	16.3	15.5	26	35	44	208	**3507-12-12**	140
1 5/16-12	1-11.5	38.0	33.3	38.0	21.4	21.4	29	39	47	408	**3507-16-16**	120

Parker Adapter are delivered with NBR elastomeric seals as standard. For more details on other seal materials see page N60.

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

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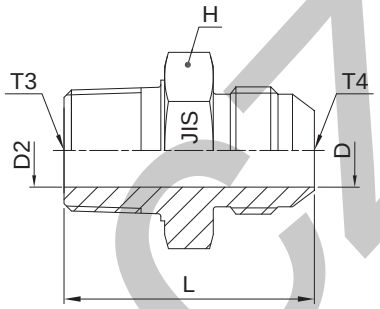
F3T4 Male stud connector

JIS BSPP 60° cone adapters (JIS B8363) / Male BSPT thread (ISO 7)



Thread BSPP T4	Thread BSPT T3	D mm	D2 mm	H mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/4-19	1/4-19	4.5	4.5	19.0	37	41	**4F3T4S**	**4F3MT4SS**	315	315
1/4-19	3/8-19	4.5	4.5	22.2	38	61	**4-6F3T4S**	**4-6F3MT4SS**	315	315
3/8-19	1/4-19	7.0	7.0	22.2	40	57	**6-4F3T4S**	**6-4F3MT4SS**	315	315
3/8-19	3/8-19	7.0	7.0	22.2	40	66	**6F3T4S**	**6F3MT4SS**	315	315
1/2-14	3/8-19	10.3	10.3	27.0	43	88	**8-6F3T4S**	**8-6F3MT4SS**	315	315
1/2-14	1/2-14	11.0	11.0	27.0	48	105	**8F3T4S**	**8F3MT4SS**	315	200
3/4-14	3/4-14	15.9	15.9	36.5	53	334	**12F3T4S**	**12F3MT4SS**	160	160
1-11	1-11	21.0	21.0	41.3	58	268	**16F3T4S**	**16F3MT4SS**	120	120

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$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

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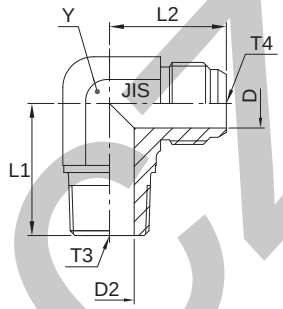
C3T4 Male elbow

JIS BSPP 60° cone adapters (JIS B8363) / Male BSPT thread (ISO 7)

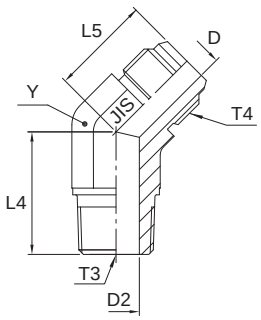


Thread BSPP T4	Thread BSPT T3	D mm	D2 mm	L1 mm	L2 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	PN (bar)
1/4-19	1/4-19	4.5	4.5	25	25	14.0	41	**4C3T4S**	315
3/8-19	3/8-19	7.0	7.0	30	29	19.0	74	**6C3T4S**	315
1/2-14	1/2-14	11.0	11.0	36	34	22.0	131	**8C3T4S**	200
3/4-14	3/4-14	15.9	15.9	43	38	27.0	146	**12C3T4S**	160
1-11	1-11	21.0	21.0	50	44	33.3	398	**16C3T4S**	120

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

V3T4 Male 45° elbow

JIS BSPP 30° Flare end (JIS B8363) / Male BSPT thread (ISO 7)



Thread BSPP T4	Thread BSPT T3	D mm	D2 mm	L4 mm	L5 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	PN (bar)
1/4-19	1/4-19	4.5	4.5	19	22	14.0	33	**4V3T4S**	315
3/8-19	3/8-19	7.0	7.0	22	25	19.0	64	**6V3T4S**	315
1/2-14	1/2-14	11.0	11.0	27	28	22.0	112	**8V3T4S**	200
3/4-14	3/4-14	15.9	15.9	30	32	27.0	162	**12V3T4S**	160
1-11	1-11	21.0	21.0	35	32	33.3	256	**16V3T4S**	120

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

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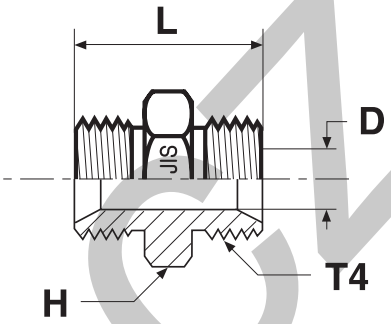
Index

HP4 Union

JIS BSPP 60° cone end (JIS B8363)

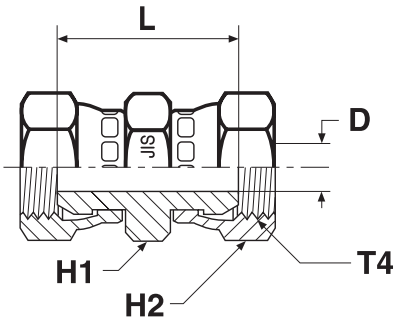


Thread BSPP T4	D mm	H mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/4-19	4.5	19.0	34	40	**4HP4S**	**4HMP4SS**	350	350
3/8-19	7.0	22.2	38	91	**6HP4S**	**6HMP4SS**	350	350
1/2-14	11.0	27.0	46	159	**8HP4S**	**8HMP4SS**	200	200
3/4-14	15.9	36.5	52	186	**12HP4S**	**12HMP4SS**	200	200
1-11	21.0	41.3	58	290	**16HP4S**	**16HMP4SS**	120	120

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

HP46 Swivel female union

JIS BSPP 60° Cone swivel female end (JIS B8363)



Thread BSPP T4	D mm	H1 mm	H2 mm	L mm	Weight (steel) g/1 piece	Adapter Steel	PN (bar)
1/4-19	4.5	19.0	19.0	31	33	**4HP46S**	350
3/8-19	7.0	22.2	22.2	35	49	**6HP46S**	350
1/2-14	11.0	27.0	27.0	38	77	**8HP46S**	200
3/4-14	15.9	36.5	36.5	40	114	**12HP46S**	200
1-11	21.0	41.3	41.3	46	180	**16HP46S**	120

Order codes shown are part of our current manufacturing programme.

Imperial and metric parts may vary in hexagon dimensions.

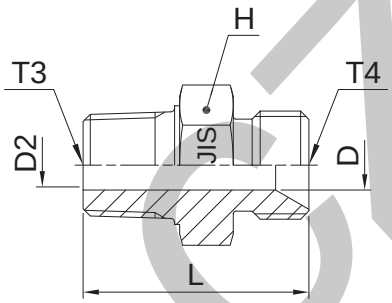
$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

NOVALOG

F3P4 Male stud connector

JIS BSPP 60° Cone end (JIS B8363) / Male BSPT thread (ISO 7)

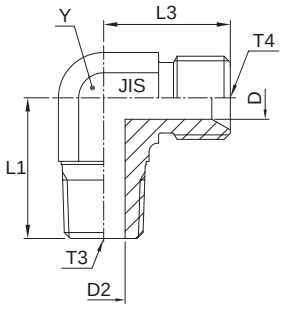


Thread BSPP T4	Thread BSPT T3	D mm	D2 mm	H mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/4-19	1/4-19	4.5	4.5	19.0	37	47	**4F3P4S**	**4F3MP4SS**	315	315
3/8-19	3/8-19	7.0	7.0	22.2	38	67	**6F3P4S**	**6F3MP4SS**	315	315
1/2-14	1/2-14	11.0	11.0	27.0	46	109	**8F3P4S**	**8F3MP4SS**	200	200
3/4-14	3/4-14	15.9	15.9	36.5	52	195	**12F3P4S**	**12F3MP4SS**	160	160
1-11	1-11	21.0	21.0	41.3	58	292	**16F3P4S**	**16F3MP4SS**	120	120

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

C3P4 Male 90° elbow

JIS BSPP 60° cone end (JIS B8363) / Male BSPT thread (ISO 7)



Thread BSPP T4	Thread BSPT T3	D mm	D2 mm	L1 mm	L3 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	PN (bar)
1/4-19	1/4-19	4.5	4.5	25	24	14.0	49	**4C3P4S**	315
3/8-19	3/8-19	7.0	7.0	30	29	19.0	97	**6C3P4S**	315
1/2-14	1/2-14	11.0	11.0	36	33	22.0	147	**8C3P4S**	200
3/4-14	3/4-14	15.9	15.9	43	40	27.0	206	**12C3P4S**	160
1-11	1-11	21.0	21.0	50	44	33.3	434	**16C3P4S**	120

Order codes shown are part of our current manufacturing programme.

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$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

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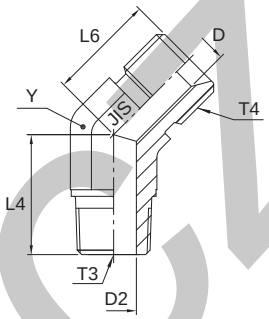
V3P4 Male 45° elbow

JIS BSPP 60° Cone end (JIS B8363) / Male BSPT thread (ISO 7)

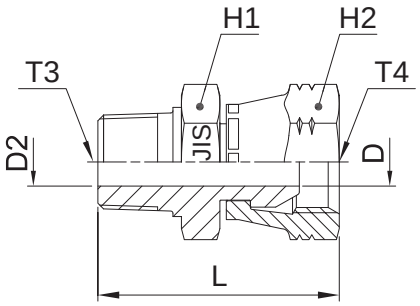


Thread BSPP T4	Thread BSPT T3	D mm	D2 mm	L4 mm	L6 mm	Y mm	Weight (steel) g/1 piece	Adapter Steel	PN (bar)
1/4-19	1/4-19	4.5	4.5	19	21	14.0	36	**4V3P4S**	350
3/8-19	3/8-19	7.0	7.0	22	23	19.0	65	**6V3P4S**	350
1/2-14	1/2-14	11.0	11.0	27	27	22.0	122	**8V3P4S**	200
3/4-14	3/4-14	15.9	15.9	30	30	27.0	159	**12V3P4S**	200
1-11	1-11	21.0	21.0	35	33	33.3	412	**16V3P4S**	120

Do not create drawings from these dimensions, they are subject to change and ISO manufacturing allowances.

F63P4 Swivel male stud

JIS BSPP 60° Cone swivel female end (JIS B8363) / Male BSPT thread (ISO 7)



Thread BSPT T3	Thread BSPP T4	D mm	D2 mm	H1 mm	H2 mm	L mm	Weight (steel) g/1 piece	Adapter Steel	Adapter Stainless Steel	PN (bar) S	PN (bar) SS
1/4-19	1/4-19	4.5	4.5	19.0	19.0	33	41	**4F63P4S**	**4F63MP4SS**	315	315
3/8-19	3/8-19	7.0	7.0	22.2	22.2	37	70	**6F63P4S**	**6F63MP4SS**	315	315
1/2-14	1/2-14	11.0	11.0	27.0	27.0	42	122	**8F63P4S**	**8F63MP4SS**	200	200
3/4-14	3/4-14	15.9	15.9	36.5	36.5	47	254	**12F63P4S**	**12F63MP4SS**	160	160
1-11	1-11	21.0	21.0	41.3	41.3	52	367	**16F63P4S**	**16F63MP4SS**	120	120

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$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

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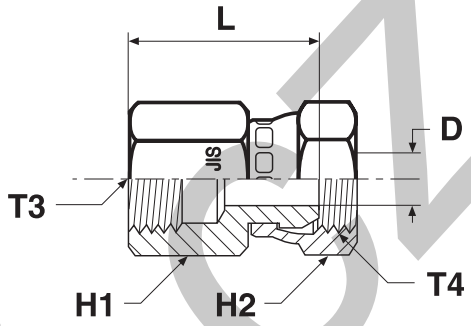
G63P4 Female swivel connector

JIS BSPP 30° Flare swivel female end (JIS B8363) / Female BSPT thread (ISO 7)



Thread BSPT T3	Thread BSPP T4	D mm	H1 mm	H2 mm	L mm	Weight (steel) g/1 piece	Adapter Steel	PN (bar)
1/4-19	1/4-19	4.5	19.0	19.0	30	36	**4G63P4S**	315
3/8-19	3/8-19	7.0	22.2	22.2	33	49	**6G63P4S**	315
1/2-14	1/2-14	11.0	27.0	27.0	36	73	**8G63P4S**	200
3/4-14	3/4-14	15.9	36.5	36.5	38	163	**12G63P4S**	160
1-11	1-11	21.0	41.3	41.3	46	195	**16G63P4S**	120

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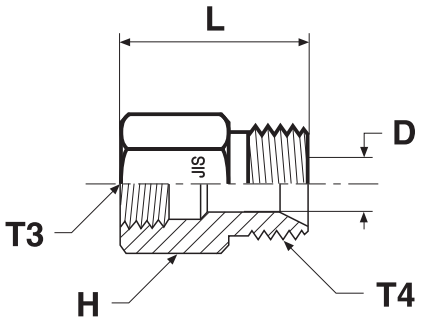
G3P4 Female stud connector

JIS BSPP 30° Flare end (JIS B8363) / Female BSPT thread (ISO 7)



Thread BSPT T3	Thread BSPP T4	D mm	H mm	L mm	Weight (steel) g/1 piece	Adapter Steel	PN (bar)
1/4-19	1/4-19	4.5	19.0	31	40	**4G3P4S**	315
3/8-19	3/8-19	7.0	22.2	34	55	**6G3P4S**	315
1/2-14	1/2-14	11.0	27.0	40	141	**8G3P4S**	200
3/4-14	3/4-14	15.9	36.5	44	159	**12G3P4S**	160
1-11	1-11	21.0	41.3	49	225	**16G3P4S**	120

Order codes shown are part of our current manufacturing programme.

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Spare parts guide – Triple-Lok® retaining rings and seals

BSPP male threads – ISO 1179

BSPP Thread	ED seal Order code NBR	ED seal Order code FKM	O-ring order code* NBR	O-ring order code* FKM	O-ring ID × section mm	Retainer ring Order code Steel	Retainer ring Order code Stainless Steel
1/8	**ED10X1X**	**ED10X1VITX**	**6-002-N552-9**	**6-002-V894-9**	8.00 × 2.00	**8207-1/8**	**8207SS1/8**
1/4	**ED14X1.5X**	**ED14X1.5VITX**	**2-111-N552-9**	**2-111-V894-9**	10.77 × 2.62	**8207-1/4**	**8207SS1/4A**
3/8	**ED3/8X**	**ED3/8VITX**	**2-113-N552-9**	**2-113-V894-9**	13.94 × 2.62	**8207-3/8**	**8207SS3/8A**
1/2	**ED1/2X**	**ED1/2VITX**	**5-256-N552-9**	**5-256-V894-9**	17.96 × 2.62	**8207-1/2**	**8207SS1/2**
3/4	**ED26X1.5X**	**ED26X1.5VITX**	**2-119-N552-9**	**2-119-V894-9**	23.47 × 2.62	**8207-3/4**	**8207SS3/4**
1	**ED33X2X**	**ED33X2VITX**	**2-217-N552-9**	**2-217-V894-9**	29.74 × 3.53	**8207-1**	**8207SS1A**
1 1/4	**ED42X2X**	**ED42X2VITX**	**2-222-N552-9**	**2-222-V894-9**	37.69 × 3.53	**8207-1-1/4**	**8207SS1 1/4**
1 1/2	**ED48X2X**	**ED48X2VITX**	**2-224-N552-9**	**2-224-V894-9**	44.04 × 3.53	**8207-1-1/2**	**8207SS1 1/2**

Typical fittings using these parts: PTR44M / RI-ED / F4OHG5 etc.

* Must be used with correct retainer ring

Metric male threads – ISO 9974

Metric Thread	ED seal order code NBR	ED seal order code FKM	O-ring Order code* NBR	O-ring Order code* FKM	O-ring ID × section mm	Retainer ring Order code Steel	Retainer ring Order code Stainless Steel
M 10×1.0	**ED10X1X**	**ED10X1VITX**	**6-074-N552-9**	**6-074-V894-9**	8.00 × 1.50	**M10RR**	**RRM10X1SS**
M 12×1.5	**ED12X1.5X**	**ED12x1.5VITX**	**2-012-N552-9**	**2-012-V894-9**	9.25 × 1.78	**M12RR**	**RRM12X1.5SS**
M 14×1.5	**ED14X1.5X**	**ED14X1.5VITX**	**2-013-N552-9**	**2-013-V894-9**	10.82 × 1.78	**M14RR**	**RRM14X1.5SS**
M 16×1.5	**ED16X1.5X**	**ED16X1.5VITX**	**3-907-N552-9**	**3-907-V894-9**	13.46 × 2.08	**M16RR**	**RRM16X1.5SS**
M 18×1.5	**ED18X1.5X**	**ED18X1.5VITX**	**2-114-N552-9**	**2-114-V894-9**	15.54 × 2.62	**M18RR**	**RRM18X1.5SS**
M 22×2.0	**ED22X1.5X**	**ED22X1.5VITX**	**2-018-N552-9**	**2-018-V894-9**	18.77 × 1.78	**M22RR**	**RRM22X1.5SS**
M 27×2.0	**ED26X1.5X****	**ED26X1.5VITX**	**2-119-N552-9**	**2-119-V894-9**	23.47 × 2.62	**M27RR**	**RRM27X2SS**
M 33×2.0	**ED33X2X**	**ED33X2VITX**	**2-122-N552-9**	**2-122-V894-9**	28.24 × 2.62	**M33RR**	**RRM33X2SS**
M 42×2.0	**ED42X2X**	**ED42X2VITX**	**2-128-N552-9**	**2-128-V894-9**	37.77 × 2.62	**M42RR**	**RRM42X2SS**
M 48×2.0	**ED48X2X**	**ED48X2VITX**	**2-132-N552-9**	**2-132-V894-9**	44.12 × 2.62	**M48RR**	**RRM48X2SS**

Typical fittings using these parts: F8OHG5 / VSTI MED etc.

* Must be used with correct retainer ring ** Same seal used for M 26×1.5 and M 27×2.0 Threads

UN / UNF male threads – ISO 11926

UN / UNF Thread	Dash size	O-ring Order code NBR	O-ring Order code FKM	O-Ring ID × section (mm)
5/16-24	2	**3-902-N552-9**	**3-902-V894-9**	6.07 × 1.63
3/8-24	3	**3-903-N552-9**	**3-903-V894-9**	7.65 × 1.63
7/16-20	4	**3-904-N552-9**	**3-904-V894-9**	8.92 × 1.83
1/2-20	5	**3-905-N552-9**	**3-905-V894-9**	10.52 × 1.83
9/16-18	6	**3-906-N552-9**	**3-906-V894-9**	11.89 × 1.98
3/4-16	8	**3-908-N552-9**	**3-908-V894-9**	16.36 × 2.21
7/8-14	10	**3-910-N552-9**	**3-910-V894-9**	19.18 × 2.46
1 1/16-12	12	**3-912-N552-9**	**3-912-V894-9**	23.47 × 2.95
1 3/16-12	14	**3-914-N552-9**	**3-914-V894-9**	26.59 × 2.95
1 5/16-12	16	**3-916-N552-9**	**3-916-V894-9**	29.74 × 2.95
1 5/8-12	20	**3-920-N552-9**	**3-920-V894-9**	37.47 × 3.00
1 7/8-12	24	**3-924-N552-9**	**3-924-V894-9**	43.69 × 3.00
2 1/2-12	32	**3-932-N552-9**	**3-932-V894-9**	59.36 × 3.00

Typical fittings using these parts: F5OG / P5ON / F5OHAO etc.

Metric male threads – ISO 6149

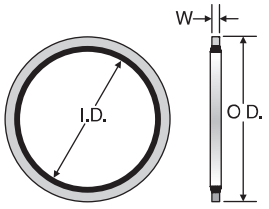
Metric Thread	O-ring Order code NBR	O-ring Order code FKM	O-Ring ID × section (mm)
M 10×1.0	**6-345-N552-9**	**6-345-V894-9**	8.20 × 1.50
M 12×1.5	**6-346-N552-9**	**6-346-V894-9**	9.40 × 2.10
M 14×1.5	**6-347-N552-9**	**6-347-V894-9**	11.40 × 2.10
M 16×1.5	**6-348-N552-9**	**6-348-V894-9**	13.40 × 2.10
M 18×1.5	**6-349-N552-9**	**6-349-V894-9**	15.40 × 2.10
M 22×1.5	**6-350-N552-9**	**6-350-V894-9**	19.40 × 2.10
M 27×2.0	**6-351-N552-9**	**6-351-V894-9**	23.70 × 2.80
M 33×2.0	**6-352-N552-9**	**6-352-V894-9**	29.70 × 2.80
M 42×2.0	**6-353-N552-9**	**6-353-V894-9**	38.70 × 2.80
M 48×2.0	**6-354-N552-9**	**6-354-V894-9**	46.70 × 2.80

Typical fittings using these parts: VSTI-OR etc.

BSPP Bonded Seal

BSPP Thread Size	O.D. (mm)	I.D. (mm)	W (mm)	Material S*	Material SS	Material B	Order code
1/8-28	15.9	10.4	2.0	•			**D9DT-2**
1/4-19	20.6	13.7	2.0	•			**D9DT-4**
3/8-19	23.8	17.3	2.0	•			**D9DT-6**
1/2-14	28.6	21.5	2.3	•			**D9DT-8**
5/8-14	31.8	23.5	2.3	•			**D9DT-10**
3/4-14	34.9	27.1	2.3	•			**D9DT-12**
1-11	42.8	33.9	2.3	•			**D9DT-16**
1 1/4-11	52.4	42.9	3.3	•			**D9DT-20**
1 1/2-11	58.6	48.4	3.3	•			**D9DT-24**

Used on K4 Style Straight Fittings as a Port Seal. For use with ISO 1179 / DIN 3852-2 port.



* NBR is the standard elastomer compound - 90-durometer Nitrile Zinc plated steel ring

Other seal compounds available on request for alternative applications