

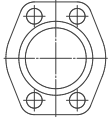
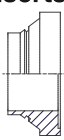
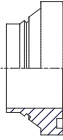
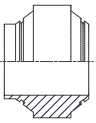
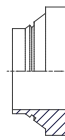

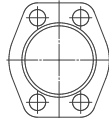


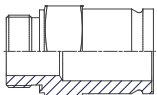
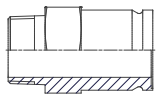

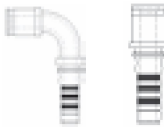



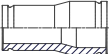
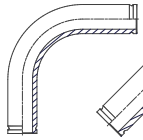
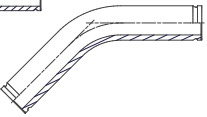
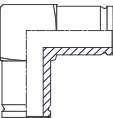
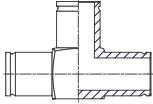
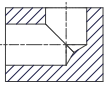
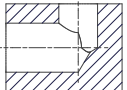
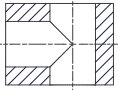
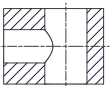

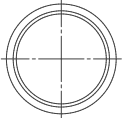
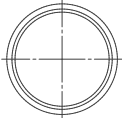
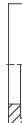
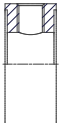
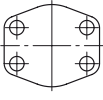



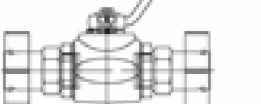
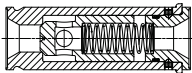


SAE 6000 System

420 bar

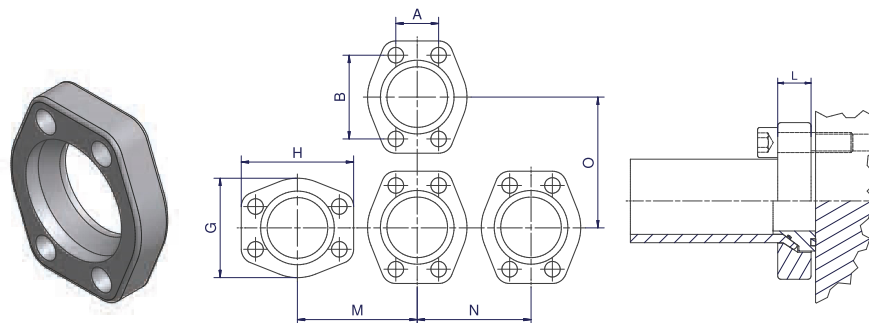
ENGINEERING YOUR SUCCESS.

Programme overview SAE 6000/ISO 6162-2 footprint

Parflange® F37 connection parts	Flanges  F37 – p.118/119							
	Inserts  TFB – p.122  TFV – p.123  TT – p.124  TF – p.125					Sleeve  SL – p.126		
Retaining ring connection parts	Flanges  R – p.120  R-Ring – p.127  PSC – p.121							
	Male / Female  MTF-R – p.128  MTF-N – p.129  FTF-R – p.130			Hose  Hose – p.131			Weld  WA – p.132/133	
	Tube to Tube  BF – p.134  VB – p.135  RF – p.136  FB90 – p.137/139  FB45 – p.138/140  LF – p.141  TF – p.142							
SAE connection parts	Blocks  LB – p.143  LBR – p.144  TB – p.145  TBR – p.146  BFV – p.147							
Seals Adapter Bolts	Components  BS – p.148  F37S – p.148  AO – p.149  TBT – p.150  AP – p.151					Bolts and Nuts  p.152		
Ball valves	 KH – p.153  KH – p.154  KH-R – p.155  RHD-R – p.156							

F37 – Flare flange | SAE 6000/ISO 6162-2 footprint

SAE 6000/ISO 6162-2



Parflange F37 flange dimensions

* Jump size flanges (no adapter sleeves (SL...) necessary)

Size Inch	Flange Order code	A	B	G	H	M	N	O	L	Weight (Steel) kg/1 piece	W.P. bar
1/2	F37-608-CFX	18.2	40.5	48	56.40	56	53	59	20	0.20	420
3/4	F37-612-CFX	23.8	50.8	60	71.35	70	66	75	24	0.35	420
3/4	F37-612/25-CFX*	23.8	50.8	60	71.35	70	66	75	24	0.45	420
1	F37-616-CFX	27.8	57.2	70	81.00	80	75	84	24	0.53	420
1	F37-616/25-CFX*	27.8	57.2	70	81.00	80	75	84	24	0.64	420
1	F37-616/30-CFX*	27.8	57.2	70	81.00	80	75	84	24	0.53	420
1 1/4	F37-620-CFX	31.8	66.6	78	95.50	90	83	99	30	0.92	420
1 1/4	F37-620/38-CFX*	31.8	66.6	78	95.50	90	83	99	30	0.92	420
1 1/2	F37-624-CFX	36.5	79.3	95	112.00	108	101	116	35	1.54	420
1 1/2	F37-624/42-CFX*	36.5	79.3	95	112.00	108	101	116	35	1.54	420
2	F37-632-CFX	44.5	96.8	114	133.50	128	120	137	40	2.44	420
2	F37-632/50-CFX*	44.5	96.8	114	133.50	128	120	137	40	2.76	420

Parflange F37 flange dimensions

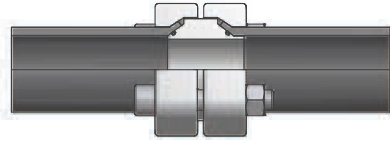
* Jump size flanges (no adapter sleeves (SL...) necessary)

Size Inch	Flange Order code	A	B	G	H	M	N	O	L	Thread	Weight (Steel) kg/1 piece	W.P. bar
3/4	F37-612T-CFX	23.8	50.8	60	71.35	70	66	75	24	M10	0.35	420
1	F37-616T-CFX	27.8	57.2	70	81.00	80	75	84	24	M10	0.53	420
1	F37-616/25T-CFX*	27.8	57.2	70	81.00	80	75	84	24	M12	0.64	420
1 1/4	F37-620T-CFX	31.8	66.6	78	95.50	90	83	99	30	M10	0.92	420
1 1/4	F37-620/38T-CFX*	31.8	66.6	78	95.50	90	83	99	30	M12	0.92	420
1 1/2	F37-624T-CFX	36.5	79.3	95	112.00	108	101	116	35	M12	1.54	420
2	F37-632T-CFX	44.5	96.8	114	133.50	128	120	137	40	M12	2.44	420

Please change suffixes according to material/surface required

Order code suffixes			
Material	Suffix surface and material	Example	Comments
Steel, zinc plated, Cr(VI)-free	CF	F37-620-CFX	
Stainless steel	SS	F37-620-SSX	
Galvanized hot dip zinc	TZN	F37-620-TZNX	on request





Part combination flaring SAE 6000

Flange Pressure (bar)	Size Inch	Pipe Size	Flange SAE 6000 ISO 6162-2	Insert*	F37 Seal	Sleeve	F37 Seal / Flat Face / Bonded Seal		Nuts
							Bolts Tube to Port	Bolts Tube to Tube	
420	1/2	16X2.0	F37-608-CFX	IN08-16X2.0T...	F37S08X	SL08-25-16-CFX	4 x ZYLS8X35	4 x ZYLS8X65	4 x ISO4032-M8
	1/2	18X2.0	F37-608-CFX	IN08-18X2.0T...	F37S08X	SL08-25-18-CFX	4 x ZYLS8X35	4 x ZYLS8X65	4 x ISO4032-M8
	1/2	20X2.0	F37-608-CFX	IN08-20X2.0T...	F37S08X	SL08-25-20-CFX	4 x ZYLS8X35	4 x ZYLS8X65	4 x ISO4032-M8
	1/2	20X2.5	F37-608-CFX	IN08-20X2.5T...	F37S08X	SL08-25-20-CFX	4 x ZYLS8X35	4 x ZYLS8X65	4 x ISO4032-M8
	1/2	25X2.5	F37-608-CFX	IN08-25X2.5T...	F37S08X		4 x ZYLS8X35	4 x ZYLS8X65	4 x ISO4032-M8
	1/2	25X3.0	F37-608-CFX	IN08-25X3.0T...	F37S08X		4 x ZYLS8X35	4 x ZYLS8X65	4 x ISO4032-M8
	3/4	20X2.0	F37-612-CFX	IN12-20X2.0T...	F37S12X	SL12-30-20-CFX	4 x ZYLS10X45	4 x ZYLS10X75	4 x ISO4032-M10
	3/4	20X2.5	F37-612-CFX	IN12-20X2.5T...	F37S12X	SL12-30-20-CFX	4 x ZYLS10X45	4 x ZYLS10X75	4 x ISO4032-M10
	3/4	25X2.5	F37-612-CFX	IN12-25X2.5T...	F37S12X	SL12-30-25-CFX**	4 x ZYLS10X45	4 x ZYLS10X75	4 x ISO4032-M10
	3/4	25X3.0	F37-612-CFX	IN12-25X3.0T...	F37S12X	SL12-30-25-CFX**	4 x ZYLS10X45	4 x ZYLS10X75	4 x ISO4032-M10
	3/4	30X3.0	F37-612-CFX	IN12-30X3.0T...	F37S12X		4 x ZYLS10X45	4 x ZYLS10X75	4 x ISO4032-M10
	3/4	30X4.0	F37-612-CFX	IN12-30X4.0T...	F37S12X		4 x ZYLS10X45	4 x ZYLS10X75	4 x ISO4032-M10
	1	25X2.5	F37-616-CFX	IN16-25X2.5T...	F37S16X	SL16-38-25-CFX**	4 x ZYLS12X45	4 x ZYLS12X75	4 x ISO4032-M12
	1	25X3.0	F37-616-CFX	IN16-25X3.0T...	F37S16X	SL16-38-25-CFX**	4 x ZYLS12X45	4 x ZYLS12X75	4 x ISO4032-M12
	1	30X3.0	F37-616-CFX	IN16-30X3.0T...	F37S16X	SL16-38-30-CFX**	4 x ZYLS12X45	4 x ZYLS12X75	4 x ISO4032-M12
	1	30X4.0	F37-616-CFX	IN16-30X4.0T...	F37S16X	SL16-38-30-CFX**	4 x ZYLS12X45	4 x ZYLS12X75	4 x ISO4032-M12
	1	38X2.5	F37-616-CFX	IN16-38X2.5T...	F37S16X		4 x ZYLS12X45	4 x ZYLS12X75	4 x ISO4032-M12
	1	38X3.0	F37-616-CFX	IN16-38X3.0T...	F37S16X		4 x ZYLS12X45	4 x ZYLS12X75	4 x ISO4032-M12
	1	38X4.0	F37-616-CFX	IN16-38X4.0T...	F37S16X		4 x ZYLS12X45	4 x ZYLS12X75	4 x ISO4032-M12
	1	38X5.0	F37-616-CFX	IN16-38X5.0T...	F37S16X		4 x ZYLS12X45	4 x ZYLS12X75	4 x ISO4032-M12
	1 1/4	30X3.0	F37-620-CFX	IN20-30X3.0T...	F37S20X	SL20-42-30-CFX	4 x ZYLS14X55	4 x ZYLS14 x90	4 x ISO4032-M14
	1 1/4	30X4.0	F37-620-CFX	IN20-30X4.0T...	F37S20X	SL20-42-30-CFX	4 x ZYLS14X55	4 x ZYLS14 x90	4 x ISO4032-M14
	1 1/4	38X3.0	F37-620-CFX	IN20-38X3.0T...	F37S20X	SL20-42-38-CFX**	4 x ZYLS14X55	4 x ZYLS14 x90	4 x ISO4032-M14
	1 1/4	38X4.0	F37-620-CFX	IN20-38X4.0T...	F37S20X	SL20-42-38-CFX**	4 x ZYLS14X55	4 x ZYLS14 x90	4 x ISO4032-M14
	1 1/4	38X5.0	F37-620-CFX	IN20-38X5.0T...	F37S20X	SL20-42-38-CFX**	4 x ZYLS14X55	4 x ZYLS14 x90	4 x ISO4032-M14
	1 1/4	42X3.0	F37-620-CFX	IN20-42X3.0T...	F37S20X		4 x ZYLS14X55	4 x ZYLS14 x90	4 x ISO4032-M14
	1 1/4	42X4.0	F37-620-CFX	IN20-42X4.0T...	F37S20X		4 x ZYLS14X55	4 x ZYLS14 x90	4 x ISO4032-M14
	1 1/2	38X3.0	F37-624-CFX	IN24-38X3.0T...	F37S24X	SL24-50-38-CFX	4 x ZYLS16X60	4 x ZYLS16X100	4 x ISO4032-M16
	1 1/2	38X4.0	F37-624-CFX	IN24-38X4.0T...	F37S24X	SL24-50-38-CFX	4 x ZYLS16X60	4 x ZYLS16X100	4 x ISO4032-M16
	1 1/2	38X5.0	F37-624-CFX	IN24-38X5.0T...	F37S24X	SL24-50-38-CFX	4 x ZYLS16X60	4 x ZYLS16X100	4 x ISO4032-M16
	1 1/2	42X3.0	F37-624-CFX	IN24-42X3.0T...	F37S24X	SL24-50-42-CFX**	4 x ZYLS16X60	4 x ZYLS16X100	4 x ISO4032-M16
	1 1/2	42X4.0	F37-624-CFX	IN24-42X4.0T...	F37S24X	SL24-50-42-CFX**	4 x ZYLS16X60	4 x ZYLS16X100	4 x ISO4032-M16
	1 1/2	50X3.0	F37-624-CFX	IN24-50X3.0T...	F37S24X		4 x ZYLS16X60	4 x ZYLS16X100	4 x ISO4032-M16
	1 1/2	50X5.0	F37-624-CFX	IN24-50X5.0T...	F37S24X		4 x ZYLS16X60	4 x ZYLS16X100	4 x ISO4032-M16
	1 1/2	50X6.0	F37-624-CFX	IN24-50X6.0T...	F37S24X		4 x ZYLS16X60	4 x ZYLS16X100	4 x ISO4032-M16
	2	50X3.0	F37-632-CFX	IN32-50X3.0T...	F37S32X	SL32-60-50-CFX**	4 x ZYLS20X70	4 x ZYLS20X120	4 x ISO4032-M20
	2	50X5.0	F37-632-CFX	IN32-50X5.0T...	F37S32X	SL32-60-50-CFX**	4 x ZYLS20X70	4 x ZYLS20X120	4 x ISO4032-M20
	2	50X6.0	F37-632-CFX	IN32-50X6.0T...	F37S32X	SL32-60-50-CFX**	4 x ZYLS20X70	4 x ZYLS20X120	4 x ISO4032-M20
	2	60X3.0	F37-632-CFX	IN32-60X3.0T...	F37S32X		4 x ZYLS20X70	4 x ZYLS20X120	4 x ISO4032-M20
	2	60X5.0	F37-632-CFX	IN32-60X5.0T...	F37S32X		4 x ZYLS20X70	4 x ZYLS20X120	4 x ISO4032-M20
	2	60X6.0	F37-632-CFX	IN32-60X6.0T...	F37S32X		4 x ZYLS20X70	4 x ZYLS20X120	4 x ISO4032-M20

Select the complete version:

- * ...FBCF Bonded Seal version
- ...FVCF F37 Seal version
- ...TCF Tube to Tube version
- ...FCF Flat Face version

**Jump size flanges available alternatively to adapter sleeve, see page 74

Pressure rates related to flanges.

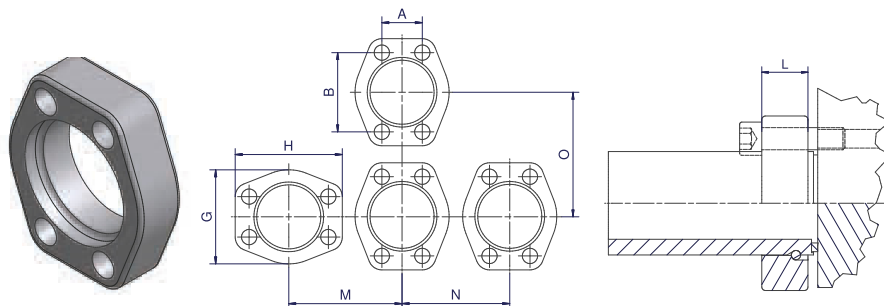
Other sizes like schedule on request

Bolts and nuts are not included in a complete part.

Bolt and nuts for flanges see page 144

R – Retaining ring flange | SAE 6000/ISO 6162-2 footprint

SAE 6000/ISO 6162-2

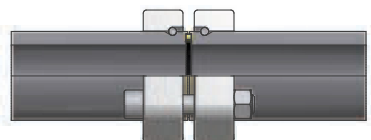


Retaining ring flange dimensions

Size Inch	Flange Order code	A	B	G	H	M	N	O	L	Weight (Steel) kg/1 piece	W.P. bar
1/2	R-608-CFX	18.2	40.5	48	56.4	56	53	59	20	0.22	420
3/4	R-612-CFX	23.8	50.8	60	71.35	70	66	75	24	0.39	420
1	R-616-CFX	27.8	57.2	70	81	80	75	84	24	0.55	420
1 1/4	R-620-CFX	31.8	66.6	78	95.5	90	83	99	30	0.89	420
1 1/2	R-624-CFX	36.5	79.3	95	112	108	101	116	35	1.46	420
2	R-632-CFX	44.5	96.8	114	133.5	128	120	137	40	2.35	420

Please change suffixes according to material/surface required

Order code suffixes			
Material	Suffix surface and material	Example	Comments
Steel, zinc plated, Cr(VI)-free	CF	R-620-CFX	
Stainless steel	SS	R-620-SSX	
Galvanized hot dip zinc	TZN	R-620-TZNX	on request



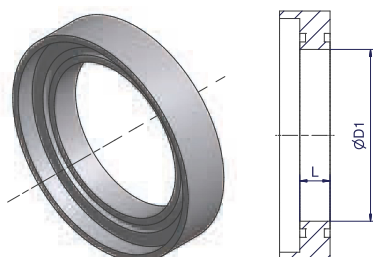
Part combination Bonded seal SAE 6000 connection

Flange pressure (bar)	Size Inch	Pipe Size	Flange	Retaining Ring	Bonded Seal	Bolts Tube to Port	Bolts Tube to Tube	Nut
420	1/2	26X6.0	R-608-CFX	R08X	BS08SNX	4 x ZYLS8X35	4 x ZYLS8X60	4 x ISO4032-M8
	3/4	36X8.0	R-612-CFX	R12X	BS12SNX	4 x ZYLS10X45	4 x ZYLS10X80	4 x ISO4032-M10
	1	39X7.5	R-616-CFX	R16X	BS16SNX	4 x ZYLS12X45	4 x ZYLS12X80	4 x ISO4032-M12
	1 1/4	46X8.0	R-620-CFX	R20X	BS20SNX	4 x ZYLS14X50	4 x ZYLS14X90	4 x ISO4032-M14
	1 1/2	56X8.5	R-624-CFX	R24X	BS24SNX	4 x ZYLS16X60	4 x ZYLS16X110	4 x ISO4032-M16
	2	66X8.5	R-632-CFX	R32X	BS32SNX	4 x ZYLS20X70	4 x ZYLS20X110	4 x ISO4032-M20



PSC – Pipe seal carrier | SAE 6000/ISO 6162-2 footprint

SAE 6000/ISO 6162-2

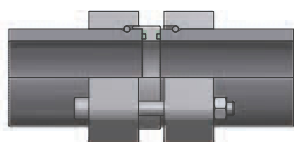


Size Inch	Pipe size	L	D1	Seal carrier	Flange pressure (bar)
2	66X8.5	10,0	49	PSC32-66X8.5VCF	420
2 1/2	80X10	15.0	60	PSC40-80X10VCF	
3	97X12	15.0	73	PSC48-97X12VCF	

Other sizes on request
 Steel PSC incl. seals
 Stainless steel PSC without seals

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	PSC40-80X10VCF
Stainless steel	SS	PSC40-80X10VSSX



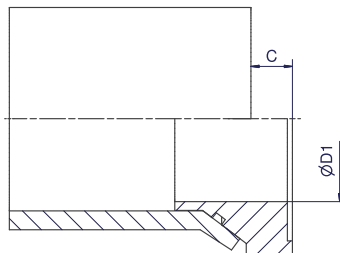
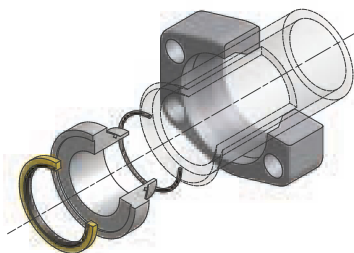
Part combination Pipe seal carrier SAE 6000 connection

Flange pressure (bar)	Size Inch	Pipe Size	Flange	Retaining Ring	Seal Carrier	SO-Ring	Bolts Tube to Port	Bolts Tube to Tube	Nut
420	2	66X8.5	R-632-CFX	R32X	PSC32-66X8.5VCF	2 x OR55.25X2.62	4 x ZYLS20X80	4 x ZYLS20X120	ISO4032-M20
	2 1/2	80X10	R-640-CFX	R40X	PSC40-80X10VCF	2 x OR66.27X3.53	4 x ZYLS24X100	4 x ZYLS24X150	ISO4032-M24
	3	97X12	R-648-CFX	R48X	PSC48-97X12VCF	2 x OR78.97X3.53	4 x ZYLS30X110	4 x ZYLS30X160	ISO4032-M30

Other sizes on request

TFB – Flare flange connection

Tube to port connection, bonded seal



Size		Flange* incl. Insert + Bonded Seal + O-Ring Order code	D1	C	Insert incl. Bonded Seal + O-Ring Order code	Bonded Seal Order code	O-Ring Order code	Weight (Steel) kg/1 piece
Inch	Tube							
1/2	16X2.0	F37-608-16X2.0TFBCF	9.5	8.0	IN08-16X2.0TFBCF	BS08SNX	OR12X1.0X	0.24
1/2	18X2.0	F37-608-18X2.0TFBCF	11.5	8.0	IN08-18X2.0TFBCF	BS08SNX	OR14X1.1X	0.24
1/2	20X2.0	F37-608-20X2.0TFBCF	13.5	8.0	IN08-20X2.0TFBCF	BS08SNX	OR16X1.0X	0.24
1/2	20X2.5	F37-608-20x2.5TFBCF	13.5	8.0	IN08-20X2.5TFBCF	BS08SNX	OR16X1.0X	0.24
1/2	25X2.5	F37-608-25X2.5TFBCF	13.5	10.0	IN08-25X2.5TFBCF	BS08SNX	OR20X1.0X	0.25
1/2	25X3.0	F37-608-25X3.0TFBCF	13.0	8.0	IN08-25X3.0TFBCF	BS08SNX	OR20X1.0X	0.24
3/4	20X2.0	F37-612-20X2.0TFBCF	13.5	8.0	IN12-20X2.0TFBCF	BS12SNX	OR16X1.0X	0.41
3/4	20X2.5	F37-612-20X2.5TFBCF	12.5	8.0	IN12-20X2.5TFBCF	BS12SNX	OR16X1.0X	0.41
3/4	25X2.5	F37-612-25X2.5TFBCF	17.5	10.0	IN12-25X2.5TFBCF	BS12SNX	OR20X1.0X	0.41
3/4	25X3.0	F37-612-25X3.0TFBCF	16.5	8.0	IN12-25X3.0TFBCF	BS12SNX	OR20X1.0X	0.42
3/4	30X3.0	F37-612-30X3.0TFBCF	19.0	8.5	IN12-30X3.0TFBCF	BS12SNX	OR25X1.0X	0.42
3/4	30X4.0	F37-612-30X4.0TFBCF	19.5	8.5	IN12-30X4.0TFBCF	BS12SNX	OR22X1.0X	0.42
1	25X2.5	F37-616-25X2.5TFBCF	17.5	10.0	IN16-25X2.5TFBCF	BS16SNX	OR20X1.0X	0.62
1	25X3.0	F37-616-25X3.0TFBCF	16.5	8.0	IN16-25X3.0TFBCF	BS16SNX	OR20X1.0X	0.62
1	30X3.0	F37-616-30X3.0TFBCF	21.5	8.5	IN16-30X3.0TFBCF	BS16SNX	OR25X1.0X	0.62
1	30X4.0	F37-616-30X4.0TFBCF	19.5	8.5	IN16-30X4.0TFBCF	BS16SNX	OR22X1.0X	0.62
1	38X2.5	F37-616-38X2.5TFBCF	25.0	9.5	IN16-38X2.5TFBCF	BS16SNX	OR34X1.0X	0.64
1	38X3.0	F37-616-38X3.0TFBCF	25.0	9.0	IN16-38X3.0TFBCF	BS16SNX	OR34X1.0X	0.63
1	38X4.0	F37-616-38X4.0TFBCF	25.0	10.0	IN16-38X4.0TFBCF	BS16SNX	OR30X1.0X	0.63
1	38X5.0	F37-616-38X5.0TFBCF	25.0	8.0	IN16-38X5.0TFBCF	BS16SNX	OR28X1.0X	0.62
1 1/4	30X3.0	F37-620-30X3.0TFBCF	21.5	8.5	IN20-30X3.0TFBCF	BS20SNX	OR25X1.0X	1.03
1 1/4	30X4.0	F37-620-30X4.0TFBCF	19.5	8.5	IN20-30X4.0TFBCF	BS20SNX	OR22X1.0X	1.04
1 1/4	38X3.0	F37-620-38X3.0TFBCF	29.5	9.0	IN20-38X3.0TFBCF	BS20SNX	OR34X1.0X	1.02
1 1/4	38X4.0	F37-620-38X4.0TFBCF	27.0	10.0	IN20-38X4.0TFBCF	BS20SNX	OR30X1.0X	1.03
1 1/4	38X5.0	F37-620-38X5.0TFBCF	25.5	8.0	IN20-38X5.0TFBCF	BS20SNX	OR28X1.0X	1.02
1 1/4	42X3.0	F37-620-42X3.0TFBCF	31.5	10.0	IN20-42X3.0TFBCF	BS20SNX	OR37.82X1.78X	1.03
1 1/4	42X4.0	F37-620-42X4.0TFBCF	31.5	10.0	IN20-42X4.0TFBCF	BS20SNX	OR34X1.0X	1.02
1 1/2	38X3.0	F37-624-38X3.0TFBCF	27.5	9.0	IN24-38X3.0TFBCF	BS24SNX	OR34X1.0X	1.11
1 1/2	38X4.0	F37-624-38X4.0TFBCF	27.5	10.0	IN24-38X4.0TFBCF	BS24SNX	OR30X1.0X	1.73
1 1/2	38X5.0	F37-624-38X5.0TFBCF	25.0	8.0	IN24-38X5.0TFBCF	BS24SNX	OR28X1.0X	1.73
1 1/2	42X3.0	F37-624-42X3.0TFBCF	35.0	10.0	IN24-42X3.0TFBCF	BS24SNX	OR37.82X1.78X	1.74
1 1/2	42X4.0	F37-624-42X4.0TFBCF	31.5	10.0	IN24-42X4.0TFBCF	BS24SNX	OR34X1.0X	1.73
1 1/2	50X3.0	F37-624-50X3.0TFBCF	36.0	11.0	IN24-50X3.0TFBCF	BS24SNX	OR44.17X1.78X	1.73
1 1/2	50X5.0	F37-624-50X5.0TFBCF	36.0	10.0	IN24-50X5.0TFBCF	BS24SNX	OR41X1.78X	1.73
1 1/2	50X6.0	F37-624-50X6.0TFBCF	35.0	10.0	IN24-50X6.0TFBCF	BS24SNX	OR41X1.78X	1.73
2	50X3.0	F37-632-50X3.0TFBCF	41.5	11.0	IN32-50X3.0TFBCF	BS32SNX	OR44.17X1.78X	2.66
2	50X5.0	F37-632-50X5.0TFBCF	37.5	10.0	IN32-50X5.0TFBCF	BS32SNX	OR41X1.78X	2.68
2	50X6.0	F37-632-50X6.0TFBCF	35.0	10.0	IN32-50X6.0TFBCF	BS32SNX	OR41X1.78X	2.71
2	60X3.0	F37-632-60X3.0TFBCF	46.0	12.0	IN32-60X3.0TFBCF	BS32SNX	OR53.7X1.78X	2.71
2	60X5.0	F37-632-60X5.0TFBCF	46.0	11.0	IN32-60X5.0TFBCF	BS32SNX	OR50.52X1.78X	2.68
2	60X6.0	F37-632-60X6.0TFBCF	45.5	11.0	IN32-60X6.0TFBCF	BS32SNX	OR47.37X1.78X	2.67

Other sizes on request. *Incl. adapter sleeve or jump size flange if necessary.

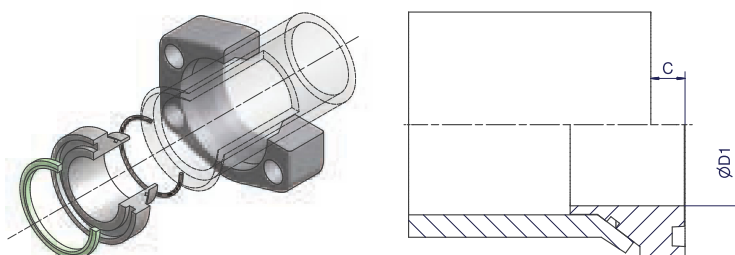
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	F37-624-50X5.0TFBCF
Stainless steel	SS	F37-624-50X5.0TFBSS



TFV – Flare flange connection

Tube to port connection, F37 seal



Size		Flange* incl. Insert + F37 Seal + O-Ring Order code	D1	C	Insert incl. F37 Seal + O-Ring Order code	F37 Seal Order code	O-Ring Order code	Weight (Steel) kg/1 piece
Inch	Tube							
1/2	16X2.0	F37-608-16X2.0TFVCF	9.5	8.0	IN08-16X2.0TFVCF	F37S08X	OR12X1.0X	0.24
1/2	18X2.0	F37-608-18X2.0TFVCF	9.5	8.0	IN08-18X2.0TFVCF	F37S08X	OR14X1.1X	0.24
1/2	20X2.0	F37-608-20X2.0TFVCF	11.5	8.0	IN08-20X2.0TFVCF	F37S08X	OR16X1.0X	0.24
1/2	20X2.5	F37-608-20X2.5TFVCF	13.5	8.0	IN08-20X2.5TFVCF	F37S08X	OR16X1.0X	0.24
1/2	25X2.5	F37-608-25X2.5TFVCF	13.5	10.0	IN08-25X2.5TFVCF	F37S08X	OR20X1.0X	0.25
1/2	25X3.0	F37-608-25X3.0TFVCF	13.5	8.0	IN08-25X3.0TFVCF	F37S08X	OR20X1.0X	0.24
3/4	20X2.0	F37-612-20X2.0TFVCF	13.0	8.0	IN12-20X2.0TFVCF	F37S12X	OR16X1.0X	0.41
3/4	20X2.5	F37-612-20X2.5TFVCF	13.5	8.0	IN12-20X2.5TFVCF	F37S12X	OR16X1.0X	0.41
3/4	25X2.5	F37-612-25X2.5TFVCF	12.5	10.0	IN12-25X2.5TFVCF	F37S12X	OR20X1.0X	0.41
3/4	25X3.0	F37-612-25X3.0TFVCF	17.5	8.0	IN12-25X3.0TFVCF	F37S12X	OR20X1.0X	0.42
3/4	30X3.0	F37-612-30X3.0TFVCF	16.5	8.5	IN12-30X3.0TFVCF	F37S12X	OR25X1.0X	0.42
3/4	30X4.0	F37-612-30X4.0TFVCF	19.0	8.5	IN12-30X4.0TFVCF	F37S12X	OR22X1.0X	0.42
1	25X2.5	F37-616-25X2.5TFVCF	19.5	10.0	IN16-25X2.5TFVCF	F37S16X	OR20X1.0X	0.61
1	25X3.0	F37-616-25X3.0TFVCF	17.5	8.0	IN16-25X3.0TFVCF	F37S16X	OR20X1.0X	0.62
1	30X3.0	F37-616-30X3.0TFVCF	16.5	8.5	IN16-30X3.0TFVCF	F37S16X	OR25X1.0X	0.64
1	30X4.0	F37-616-30X4.0TFVCF	21.5	8.5	IN16-30X4.0TFVCF	F37S16X	OR22X1.0X	0.62
1	38X2.5	F37-616-38X2.5TFVCF	19.5	9.5	IN16-38X2.5TFVCF	F37S16X	OR34X1.0X	0.64
1	38X3.0	F37-616-38X3.0TFVCF	25.0	9.0	IN16-38X3.0TFVCF	F37S16X	OR34X1.0X	0.63
1	38X4.0	F37-616-38X4.0TFVCF	25.0	10.0	IN16-38X4.0TFVCF	F37S16X	OR30X1.0X	0.63
1	38X5.0	F37-616-38X5.0TFVCF	25.0	8.0	IN16-38X5.0TFVCF	F37S16X	OR28X1.0X	0.62
1 1/4	30X3.0	F37-620-30X3.0TFVCF	25.0	8.5	IN20-30X3.0TFVCF	F37S20X	OR25X1.0X	1.03
1 1/4	30X4.0	F37-620-30X4.0TFVCF	21.5	8.5	IN20-30X4.0TFVCF	F37S20X	OR22X1.0X	1.04
1 1/4	38X3.0	F37-620-38X3.0TFVCF	19.5	9.0	IN20-38X3.0TFVCF	F37S20X	OR34X1.0X	1.02
1 1/4	38X4.0	F37-620-38X4.0TFVCF	29.5	10.0	IN20-38X4.0TFVCF	F37S20X	OR30X1.0X	1.03
1 1/4	38X5.0	F37-620-38X5.0TFVCF	27.0	8.0	IN20-38X5.0TFVCF	F37S20X	OR28X1.0X	1.02
1 1/4	42X3.0	F37-620-42X3.0TFVCF	25.5	10.0	IN20-42X3.0TFVCF	F37S20X	OR37.82X1.78X	1.03
1 1/4	42X4.0	F37-620-42X4.0TFVCF	31.5	10.0	IN20-42X4.0TFVCF	F37S20X	OR34X1.0X	1.02
1 1/2	38X3.0	F37-624-38X3.0TFVCF	31.5	9.0	IN24-38X3.0TFVCF	F37S24X	OR34X1.0X	1.73
1 1/2	38X4.0	F37-624-38X4.0TFVCF	27.5	10.0	IN24-38X4.0TFVCF	F37S24X	OR30X1.0X	1.73
1 1/2	38X5.0	F37-624-38X5.0TFVCF	27.5	8.0	IN24-38X5.0TFVCF	F37S24X	OR28X1.0X	1.73
1 1/2	42X3.0	F37-624-42X3.0TFVCF	25.0	10.0	IN24-42X3.0TFVCF	F37S24X	OR37.82X1.78X	1.73
1 1/2	42X4.0	F37-624-42X4.0TFVCF	33.5	10.0	IN24-42X4.0TFVCF	F37S24X	OR34X1.0X	1.73
1 1/2	50X3.0	F37-624-50X3.0TFVCF	31.5	11.0	IN24-50X3.0TFVCF	F37S24X	OR44.17X1.78X	1.73
1 1/2	50X5.0	F37-624-50X5.0TFVCF	36.0	10.0	IN24-50X5.0TFVCF	F37S24X	OR41X1.78X	1.73
1 1/2	50X6.0	F37-624-50X6.0TFVCF	36.0	10.0	IN24-50X6.0TFVCF	F37S24X	OR41X1.78X	1.73
2	50X3.0	F37-632-50X3.0TFVCF	35.0	11.0	IN32-50X3.0TFVCF	F37S32X	OR44.17X1.78X	2.66
2	50X5.0	F37-632-50X5.0TFVCF	41.5	10.0	IN32-50X5.0TFVCF	F37S32X	OR41X1.78X	2.68
2	50X6.0	F37-632-50X6.0TFVCF	37.5	10.0	IN32-50X6.0TFVCF	F37S32X	OR41X1.78X	2.71
2	60X3.0	F37-632-60X3.0TFVCF	35.0	12.0	IN32-60X3.0TFVCF	F37S32X	OR53.7X1.78X	2.71
2	60X5.0	F37-632-60X5.0TFVCF	46.0	11.0	IN32-60X5.0TFVCF	F37S32X	OR50.52X1.78X	2.68
2	60X6.0	F37-632-60X6.0TFVCF	46.0	11.0	IN32-60X6.0TFVCF	F37S32X	OR47.37X1.78X	2.67

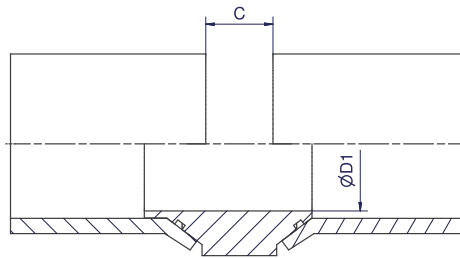
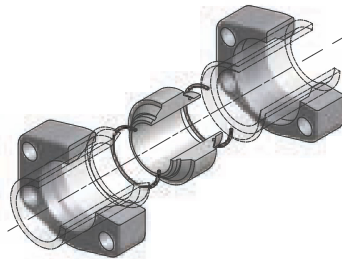
Other sizes on request. *Incl. adapter sleeve or jump size flange if necessary.

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	F37-624-50X5.0TFVCF
Stainless steel	SS	F37-624-50X5.0TFVSS

TT – Flare connection

Tube to tube connection



Size		2 x Flanges* incl. Insert + 2 x O-Ring Order code	D1	C	Insert incl. 2 x O-Ring Order code	O-Ring Order code	Weight (Steel) kg/1 piece
Inch	Tube						
1/2	16X2.0	F37-608-16X2.0TTCF	9.5	16	IN08-16X2.0TTCF	OR12X1.0X	0.28
1/2	18X2.0	F37-608-18X2.0TTCF	11.5	16	IN08-18X2.0TTCF	OR14X1.1X	0.29
1/2	20X2.0	F37-608-20X2.0TTCF	13.5	16	IN08-20X2.0TTCF	OR16X1.0X	0.29
1/2	20X2.5	F37-608-20X2.5TTCF	13.5	16	IN08-20X2.5TTCF	OR16X1.0X	0.29
1/2	25X2.5	F37-608-25X2.5TTCF	13.5	20	IN08-25X2.5TTCF	OR20X1.0X	0.30
1/2	25X3.0	F37-608-25X3.0TTCF	13.5	16	IN08-25X3.0TTCF	OR20X1.0X	0.29
3/4	20X2.0	F37-612-20X2.0TTCF	13.5	16	IN12-20X2.0TTCF	OR16X1.0X	0.48
3/4	20X2.5	F37-612-20X2.5TTCF	12.5	16	IN12-20X2.5TTCF	OR16X1.0X	0.48
3/4	25X2.5	F37-612-25X2.5TTCF	17.5	20	IN12-25X2.5TTCF	OR20X1.0X	0.49
3/4	25X3.0	F37-612-25X3.0TTCF	16.5	16	IN12-25X3.0TTCF	OR20X1.0X	0.49
3/4	30X3.0	F37-612-30X3.0TTCF	19.0	17	IN12-30X3.0TTCF	OR25X1.0X	0.50
3/4	30X4.0	F37-612-30X4.0TTCF	19.5	17	IN12-30X4.0TTCF	OR22X1.0X	0.50
1	25X2.5	F37-616-25X2.5TTCF	17.5	20	IN16-25X2.5TTCF	OR20X1.0X	0.72
1	25X3.0	F37-616-25X3.0TTCF	16.5	16	IN16-25X3.0TTCF	OR20X1.0X	0.72
1	30X3.0	F37-616-30X3.0TTCF	21.5	17	IN16-30X3.0TTCF	OR25X1.0X	0.71
1	30X4.0	F37-616-30X4.0TTCF	19.5	17	IN16-30X4.0TTCF	OR22X1.0X	0.72
1	38X2.5	F37-616-38X2.5TTCF	25.0	19	IN16-38X2.5TTCF	OR34X1.0X	0.77
1	38X3.0	F37-616-38X3.0TTCF	25.0	18	IN16-38X3.0TTCF	OR34X1.0X	0.75
1	38X4.0	F37-616-38X4.0TTCF	25.0	20	IN16-38X4.0TTCF	OR30X1.0X	0.73
1	38X5.0	F37-616-38X5.0TTCF	25.0	16	IN16-38X5.0TTCF	OR28X1.0X	0.71
1 1/4	30X3.0	F37-620-30X3.0TTCF	21.5	17	IN20-30X3.0TTCF	OR25X1.0X	1.16
1 1/4	30X4.0	F37-620-30X4.0TTCF	19.5	17	IN20-30X4.0TTCF	OR22X1.0X	1.19
1 1/4	38X3.0	F37-620-38X3.0TTCF	25.0	18	IN20-38X3.0TTCF	OR34X1.0X	1.14
1 1/4	38X4.0	F37-620-38X4.0TTCF	27.0	20	IN20-38X4.0TTCF	OR30X1.0X	1.15
1 1/4	38X5.0	F37-620-38X5.0TTCF	25.5	16	IN20-38X5.0TTCF	OR28X1.0X	1.13
1 1/4	42X3.0	F37-620-42X3.0TTCF	31.5	20	IN20-42X3.0TTCF	OR37.82X1.78X	1.14
1 1/4	42X4.0	F37-620-42X4.0TTCF	31.5	20	IN20-42X4.0TTCF	OR34X1.0X	1.13
1 1/2	38X3.0	F37-624-38X3.0TTCF	27.5	18	IN24-38X3.0TTCF	OR34X1.0X	1.79
1 1/2	38X4.0	F37-624-38X4.0TTCF	27.5	20	IN24-38X4.0TTCF	OR30X1.0X	1.79
1 1/2	38X5.0	F37-624-38X5.0TTCF	25.0	16	IN24-38X5.0TTCF	OR28X1.0X	1.79
1 1/2	42X3.0	F37-624-42X3.0TTCF	33.5	20	IN24-42X3.0TTCF	OR37.82X1.78X	1.84
1 1/2	42X4.0	F37-624-42X4.0TTCF	31.5	20	IN24-42X4.0TTCF	OR34X1.0X	1.94
1 1/2	50X3.0	F37-624-50X3.0TTCF	36.0	22	IN24-50X3.0TTCF	OR44.17X1.78X	1.96
1 1/2	50X5.0	F37-624-50X5.0TTCF	36.0	20	IN24-50X5.0TTCF	OR41X1.78X	2.07
1 1/2	50X6.0	F37-624-50X6.0TTCF	35.0	20	IN24-50X6.0TTCF	OR41X1.78X	1.96
2	50X3.0	F37-632-50X3.0TTCF	41.5	22	IN32-50X3.0TTCF	OR44.17X1.78X	2.86
2	50X5.0	F37-632-50X5.0TTCF	37.5	20	IN32-50X5.0TTCF	OR41X1.78X	2.97
2	50X6.0	F37-632-50X6.0TTCF	35.0	20	IN32-50X6.0TTCF	OR41X1.78X	3.02
2	60X3.0	F37-632-60X3.0TTCF	46.0	24	IN32-60X3.0TTCF	OR53.7X1.78X	2.99
2	60X5.0	F37-632-60X5.0TTCF	46.0	22	IN32-60X5.0TTCF	OR50.52X1.78X	2.92
2	60X6.0	F37-632-60X6.0TTCF	45.5	22	IN32-60X6.0TTCF	OR47.37X1.78X	2.91

Other sizes on request. *Incl. adapter sleeve or jump size flange if necessary.

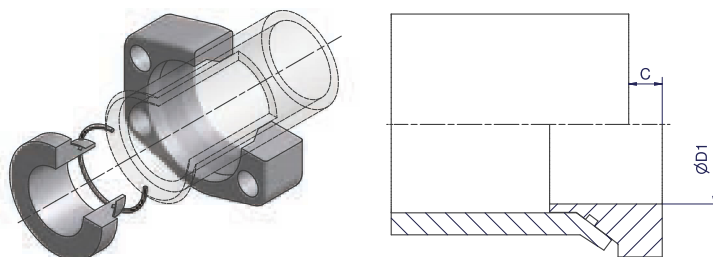
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	F37-624-50X5.0TTCF
Stainless steel	SS	F37-624-50X5.0TTSS



TF – Flare flange connection

Tube to port connection, flat face



Size		Flange* incl. Insert + O-Ring Order code	D1	C	Insert incl. O-Ring Order code	O-Ring Order code	Weight (Steel) kg/1 piece
Inch	Tube						
1/2	16X2.0	F37-608-16X2.0TFCF	9.5	8.0	IN08-16X2.0TFCF	OR12X1.0X	0.24
1/2	18X2.0	F37-608-18X2.0TFCF	11.5	8.0	IN08-18X2.0TFCF	OR14X1.1X	0.24
1/2	20X2.0	F37-608-20X2.0TFCF	13.5	8.0	IN08-20X2.0TFCF	OR16X1.0X	0.25
1/2	20X2.5	F37-608-20X2.5TFCF	13.5	8.0	IN08-20X2.5TFCF	OR16X1.0X	0.25
1/2	25X2.5	F37-608-25X2.5TFCF	13.5	10.0	IN08-25X2.5TFCF	OR20X1.0X	0.25
1/2	25X3.0	F37-608-25X3.0TFCF	13.0	8.0	IN08-25X3.0TFCF	OR20X1.0X	0.24
3/4	20X2.0	F37-612-20X2.0TFCF	13.5	8.0	IN12-20X2.0TFCF	OR16X1.0X	0.41
3/4	20X2.5	F37-612-20X2.5TFCF	12.5	8.0	IN12-20X2.5TFCF	OR16X1.0X	0.41
3/4	25X2.5	F37-612-25X2.5TFCF	17.5	10.0	IN12-25X2.5TFCF	OR20X1.0X	0.41
3/4	25X3.0	F37-612-25X3.0TFCF	16.5	8.0	IN12-25X3.0TFCF	OR20X1.0X	0.42
3/4	30X3.0	F37-612-30X3.0TFCF	19.0	8.5	IN12-30X3.0TFCF	OR25X1.0X	0.42
3/4	30X4.0	F37-612-30X4.0TFCF	19.5	8.5	IN12-30X4.0TFCF	OR22X1.0X	0.42
1	25X2.5	F37-616-25X2.5TFCF	17.5	10.0	IN16-25X2.5TFCF	OR20X1.0X	0.61
1	25X3.0	F37-616-25X3.0TFCF	16.5	8.0	IN16-25X3.0TFCF	OR20X1.0X	0.62
1	30X3.0	F37-616-30X3.0TFCF	21.5	8.5	IN16-30X3.0TFCF	OR25X1.0X	0.64
1	30X4.0	F37-616-30X4.0TFCF	19.5	8.5	IN16-30X4.0TFCF	OR22X1.0X	0.62
1	38X2.5	F37-616-38X2.5TFCF	25.0	9.5	IN16-38X2.5TFCF	OR34X1.0X	0.64
1	38X3.0	F37-616-38X3.0TFCF	25.0	9.0	IN16-38X3.0TFCF	OR34X1.0X	0.63
1	38X4.0	F37-616-38X4.0TFCF	25.0	10.0	IN16-38X4.0TFCF	OR30X1.0X	0.63
1	38X5.0	F37-616-38X5.0TFCF	25.0	8.0	IN16-38X5.0TFCF	OR28X1.0X	0.62
1 1/4	30X3.0	F37-620-30X3.0TFCF	21.5	8.5	IN20-30X3.0TFCF	OR25X1.0X	1.03
1 1/4	30X4.0	F37-620-30X4.0TFCF	19.5	8.5	IN20-30X4.0TFCF	OR22X1.0X	1.05
1 1/4	38X3.0	F37-620-38X3.0TFCF	29.0	9.0	IN20-38X3.0TFCF	OR34X1.0X	1.02
1 1/4	38X4.0	F37-620-38X4.0TFCF	27.0	10.0	IN20-38X4.0TFCF	OR30X1.0X	1.03
1 1/4	38X5.0	F37-620-38X5.0TFCF	25.5	8.0	IN20-38X5.0TFCF	OR28X1.0X	1.02
1 1/4	42X3.0	F37-620-42X3.0TFCF	31.5	10.0	IN20-42X3.0TFCF	OR37.82X1.78X	1.03
1 1/4	42X4.0	F37-620-42X4.0TFCF	31.5	10.0	IN20-42X4.0TFCF	OR34X1.0X	1.02
1 1/2	38X3.0	F37-624-38X3.0TFCF	27.5	9.0	IN24-38X3.0TFCF	OR34X1.0X	1.73
1 1/2	38X4.0	F37-624-38X4.0TFCF	27.5	10.0	IN24-38X4.0TFCF	OR30X1.0X	1.73
1 1/2	38X5.0	F37-624-38X5.0TFCF	25.0	8.0	IN24-38X5.0TFCF	OR28X1.0X	1.73
1 1/2	42X3.0	F37-624-42X3.0TFCF	33.5	10.0	IN24-42X3.0TFCF	OR37.82X1.78X	1.73
1 1/2	42X4.0	F37-624-42X4.0TFCF	31.5	10.0	IN24-42X4.0TFCF	OR34X1.0X	1.73
1 1/2	50X3.0	F37-624-50X3.0TFCF	36.0	11.0	IN24-50X3.0TFCF	OR44.17X1.78X	1.73
1 1/2	50X5.0	F37-624-50X5.0TFCF	36.0	10.0	IN24-50X5.0TFCF	OR41X1.78X	1.73
1 1/2	50X6.0	F37-624-50X6.0TFCF	35.0	10.0	IN24-50X6.0TFCF	OR41X1.78X	1.73
2	50X3.0	F37-632-50X3.0TFCF	41.5	11.0	IN32-50X3.0TFCF	OR44.17X1.78X	2.66
2	50X5.0	F37-632-50X5.0TFCF	37.5	10.0	IN32-50X5.0TFCF	OR41X1.78X	2.68
2	50X6.0	F37-632-50X6.0TFCF	35.0	10.0	IN32-50X6.0TFCF	OR41X1.78X	2.71
2	60X3.0	F37-632-60X3.0TFCF	46.0	12.0	IN32-60X3.0TFCF	OR53.7X1.78X	2.71
2	60X5.0	F37-632-60X5.0TFCF	46.0	11.0	IN32-60X5.0TFCF	OR50.52X1.78X	2.68
2	60X6.0	F37-632-60X6.0TFCF	45.5	11.0	IN32-60X6.0TFCF	OR47.37X1.78X	2.67

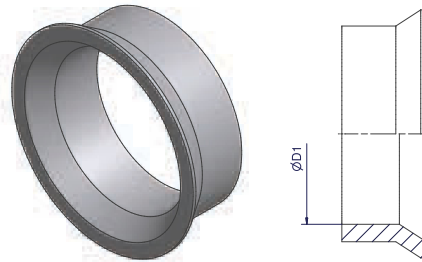
Other sizes on request. *Incl. adapter sleeve or jump size flange if necessary.

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	F37-624-50X5.0TFCF
Stainless steel	SS	F37-624-50X5.0TFSS

SL – Sleeve

SAE 6000/ISO 6162-2



Size Inch	Tube OD	Order code	D1	Weight (Steel) kg/1 piece
1/2	16	SL08-25-16-CFX	16.3	0.04
1/2	18	SL08-25-18-CFX	18.3	0.04
1/2	20	SL08-25-20-CFX	20.3	0.04
3/4	20	SL12-30-20-CFX	20.3	0.04
3/4	25	SL12-30-25-CFX*	25.2	0.04
1	25	SL16-38-25-CFX*	25.2	0.04
1	30	SL16-38-30-CFX*	30.2	0.04
1 1/4	30	SL20-42-30-CFX	30.2	0.04
1 1/4	38	SL20-42-38-CFX*	38.3	0.04
1 1/2	38	SL24-50-38-CFX	38.3	0.14
1 1/2	42	SL24-50-42-CFX*	42.3	0.10
2	50	SL32-60-50-CFX*	50.3	0.16

*By use of jump size flanges, no adapter sleeves necessary. For jump size flanges see page 118.

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	SL24-50-42-CFX
Stainless steel	SS	SL24-50-42-SSX

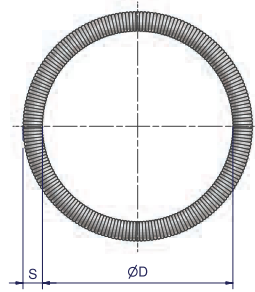


R – Retaining ring

SAE 6000/ISO 6162-2

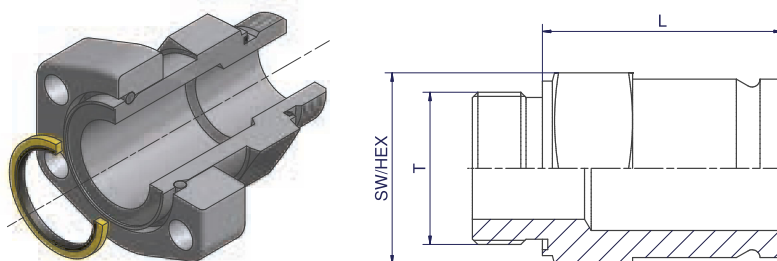
Size Inch	Tube	D	S	Order code
1/2	26X6.0	22.3	4.0	R08X
3/4	36X8.0	32.3	4.0	R12X
1	39X7.5	34.3	5.0	R16X
1 1/4	46X8.0	41.3	5.0	R20X
1 1/2	56X8.5	51.3	5.0	R24X
2	66X8.5	61.3	5.0	R32X

Material: Stainless steel



MTF-R – Male thread adapter, BSPP

SAE 6000/ISO 6162-2



Size Inch	Tube	Complete part Order code	Body incl. ED Seal Order code	Weight body (Steel) kg/1 piece	L	T (BSPP)	SW/ HEX
3/4	36X8.0	R-612MTFRCF	MTF12ROMDCF	0.32	61.0	G 3/4 A	36
3/4	36X8.0	R-612MTFR1/2CF	MTF12R1/2OMDCF	0.32	61.0	G 1/2 A	36
1	39X7.5	R-616MTFRCF	MTF16ROMDCF	0.50	69.0	G 1 A	41
1	39X7.5	R-616MTFR3/4CF	MTF16R3/4OMDCF	0.50	69.0	G 3/4 A	41
1 1/4	46X8.0	R-620MTFRCF	MTF20ROMDCF	0.75	80.0	G 1 1/4 A	50
1 1/4	46X8.0	R-620MTFR1CF	MTF20R1OMDCF	0.75	80.0	G 1 A	50
1 1/2	56X8.5	R-624MTFRCF	MTF24ROMDCF	1.80	93.0	G 1 1/2 A	60
1 1/2	56X8.5	R-624MTFR11/4CF	MTF24R11/4OMDCF	1.80	93.0	G 1 1/4 A	60
2	66X8.5	R-632MTFRCF	MTF32ROMDCF	2.50	104.0	G 2 A	75
2	66X8.5	R-632MTFR11/2CF	MTF32R11/2OMDCF	2.50	104.0	G 1 1/2 A	75

Other sizes on request

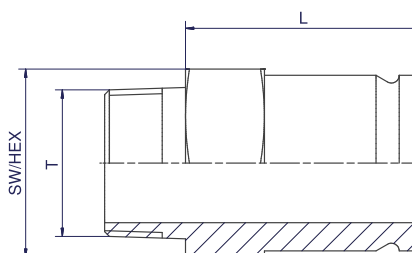
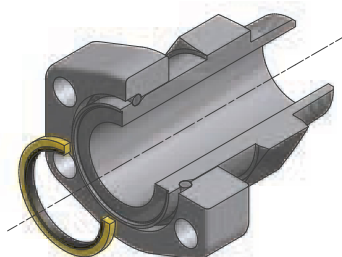
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	MTF20ROMDCF
Stainless steel	SS	MTF20ROMDSS



MTF-N – Male thread adapter, NPT

SAE 6000/ISO 6162-2



Size Inch	Tube	Complete part Order code	Body Order code	Weight body (Steel) kg/1 piece	L	T (NPT)	SW/HEX
1/2	26X6.0	R-608MTFNCF	MTF08NCFX	0.26	72.6	1/2-14	27
3/4	36X8.0	R-612MTFNCF	MTF12NCFX	0.48	72.6	3/4-14	36
1	39X7.5	R-616MTFNCF	MTF16NCFX	0.45	67.7	1-11.5	41
1 1/4	46X8.0	R-620MTFNCF	MTF20NCFX	0.70	75.0	1 1/4-11.5	50
1 1/2	56X8.5	R-624MTFNCF	MTF24NCFX	1.80	93.2	1 1/2-11.5	60
2	66X8.5	R-632MTFNCF	MTF32NCFX	2.40	100.4	2-11.5	75

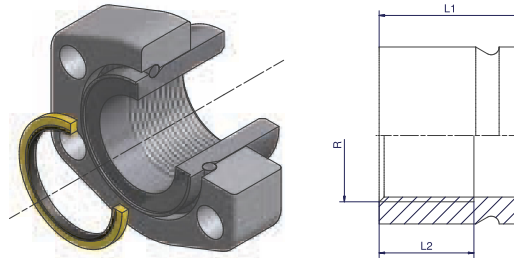
Other sizes on request

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	MTF20NCFX
Stainless steel	SS	MTF20NCFSS

FTF-R – Female thread adapter, BSPP

SAE 6000/ISO 6162-2



Size Inch	Tube	Complete part Order code	Body Order code	Weight body (Steel) kg/1 piece	L1	L2	R (BSPP)
1/2	26X6.0	R-608FTFRCF	FTF08RCFX	0.11	35	25	G 1/4
3/4	36X8.0	R-612FTFRCF	FTF12RCFX	0.22	40	25	G 1/2
1	39X7.5	R-616FTFRCF	FTF16RCFX	0.20	40	25	G 3/4
1 1/4	46X8.0	R-620FTFRCF	FTF20RCFX	0.30	42	30	G 1
1 1/2	56X8.5	R-624FTFRCF	FTF24RCFX	0.45	45	30	G 1 1/4
2	66X8.5	R-632FTFRCF	FTF32RCFX	0.75	55	40	G 1 1/2

Other sizes on request

Please change suffixes according to material/surface required



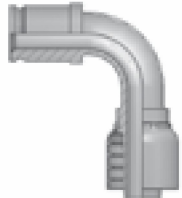
Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	FTF20RCFX
Stainless steel	SS	FTF20RCFSS






Retaining ring hose couplings

SAE 6000/ISO 6162-2


One Piece No-Skive Hose fittings 48 Series for Parker hose types 301SN (2 wire braid) & 421SN (one wire braid)

				
Connection		Order code	Order code	Order code
Flange	Hose			
1 1/4	1 1/4	1X548-20-20	1X748-20-20	1X948-20-20
1 1/2	1 1/2	1X548-24-24	1X748-24-24	1X948-24-24
2	2	1X548-32-32	1X748-32-32	1X948-32-32

Interlock Hose nipples V6 series for Parker hose types H82 & R42 (6 spiral)

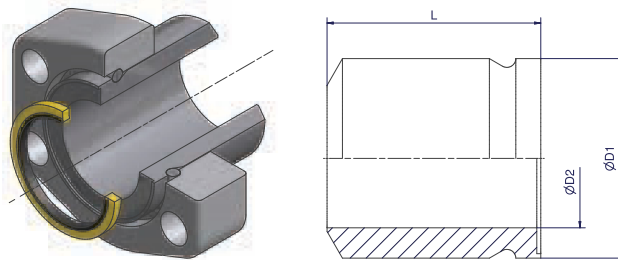
				
Connection		Order code	Order code	Order code
Flange	Hose			
1 1/4	1 1/4	KX5V6-20-20	KX7V6-20-20	KX9V6-20-20
1 1/2	1 1/2	KX5V6-24-24	KX7V6-24-24	KX9V6-24-24
2	2	KX5V6-32-32	KX7V6-32-32	KX9V6-32-32

Interlock Shells V6 Series for Parker hose types H82 & R42

		
Connection		Order code
Hose		
1 1/4		100V6-20
1 1/2		100V6-24
2		100V6-32

WA – Weld adapter connection

SAE 6000/ISO 6162-2

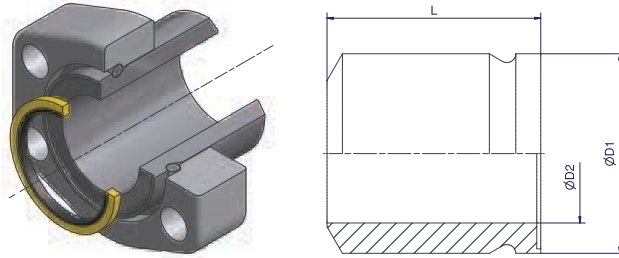


Size Inch	Tube	Complete Part Order code	Retaining Ring	Bonded Seal	Flange Order code	Weld Adapter Body Order code	Weight (Steel) kg/1 piece	D1	D2	L
1/2	12X1.5	R-608WA-12X1.5S	R08X	BS08SNX	R-608-CFX	WA08-12X1.5SX	0.29	26	14	40
1/2	16X2.0	R-608WA-16X2.0S	R08X	BS08SNX	R-608-CFX	WA08-16X2.0SX	0.30	26	14	40
1/2	18X2.0	R-608WA-18X2.0S	R08X	BS08SNX	R-608-CFX	WA08-18X2.0SX	0.30	26	14	40
1/2	20X2.0	R-608WA-20X2.5S	R08X	BS08SNX	R-608-CFX	WA08-20X2.5SX	0.30	26	14	40
1/2	21.3X2.1	R-608WA-21.3X2.1S	R08X	BS08SNX	R-608-CFX	WA08-21.3X2.1SX	0.30	26	14	40
1/2	21.3X2.8	R-608WA-21.3X2.8S	R08X	BS08SNX	R-608-CFX	WA08-21.3X2.8SX	0.30	26	14	40
1/2	21.3X3.7	R-608WA-21.3X3.7S	R08X	BS08SNX	R-608-CFX	WA08-21.3X3.7SX	0.31	26	14	45
1/2	21.3X4.8	R-608WA-21.3X4.8S	R08X	BS08SNX	R-608-CFX	WA08-21.3X4.8SX	0.32	26	14	45
1/2	21.3X7.5	R-608WA-21.3X7.5S	R08X	BS08SNX	R-608-CFX	WA08-21.3X7.5SX	0.32	26	14	45
1/2	25X2.5	R-608WA-25X2.5S	R08X	BS08SNX	R-608-CFX	WA08-25X2.5SX	0.29	26	14	40
1/2	26X6.0	R-608WA-26X6.0S	R08X	BS08SNX	R-608-CFX	WA08-26X6.0SX	0.31	26	14	40
3/4	20X2.5	R-612WA-20X2.5S	R12X	BS12SNX	R-612-CFX	WA12-20X2.5SX	0.41	36	20	45
3/4	25X3.0	R-612WA-25X3.0S	R12X	BS12SNX	R-612-CFX	WA12-25X3.0SX	0.41	36	20	45
3/4	26.7X2.1	R-612WA-26.7X2.1S	R12X	BS12SNX	R-612-CFX	WA12-26.7X2.1SX	0.40	36	20	45
3/4	26.7X2.8	R-612WA-26.7X2.8S	R12X	BS12SNX	R-612-CFX	WA12-26.7X2.8SX	0.41	36	20	45
3/4	26.7X3.9	R-612WA-26.7X3.9S	R12X	BS12SNX	R-612-CFX	WA12-26.7X3.9SX	0.41	36	20	45
3/4	26.7X5.6	R-612WA-26.7X5.6S	R12X	BS12SNX	R-612-CFX	WA12-26.7X5.6SX	0.44	36	20	50
3/4	26.7X7.8	R-612WA-26.7X7.8S	R12X	BS12SNX	R-612-CFX	WA12-26.7X7.8SX	0.45	36	20	50
3/4	30X3.0	R-612WA-30X3.0S	R12X	BS12SNX	R-612-CFX	WA12-30X3.0SX	0.41	36	20	50
3/4	30X4.0	R-612WA-30X4.0S	R12X	BS12SNX	R-612-CFX	WA12-30X4.0SX	0.42	36	20	50
3/4	30X6.0	R-612WA-30X6.0S	R12X	BS12SNX	R-612-CFX	WA12-30X6.0SX	0.44	36	20	50
3/4	36X8.0	R-612WA-36X8.0S	R12X	BS12SNX	R-612-CFX	WA12-36X8.0SX	0.46	36	20	50
1	25X3.0	R-616WA-25X3.0S	R16X	BS16SNX	R-616-CFX	WA16-25X3.0SX	0.66	39	19	60
1	30X4.0	R-616WA-30X4.0S	R16X	BS16SNX	R-616-CFX	WA16-30X4.0SX	0.65	39	20	60
1	33.4X2.8	R-616WA-33.4X2.8S	R16X	BS16SNX	R-616-CFX	WA16-33.4X2.8SX	0.61	39	24	60
1	33.4X3.4	R-616WA-33.4X3.4S	R16X	BS16SNX	R-616-CFX	WA16-33.4X3.4SX	0.62	39	24	60
1	33.4X4.6	R-616WA-33.4X4.6S	R16X	BS16SNX	R-616-CFX	WA16-33.4X4.6SX	0.64	39	24	60
1	33.4X6.5	R-616WA-33.4X6.5S	R16X	BS16SNX	R-616-CFX	WA16-33.4X6.5SX	0.70	39	20	60
1	33.4X9.1	R-616WA-33.4X9.1S	R16X	BS16SNX	R-616-CFX	WA16-33.4X9.1SX	0.69	39	24	60
1	38X4.0	R-616WA-38X4.0S	R16X	BS16SNX	R-616-CFX	WA16-38X4.0SX	0.59	39	24	55
1	38X5.0	R-616WA-38X5.0S	R16X	BS16SNX	R-616-CFX	WA16-38X5.0SX	0.61	39	24	55
1	38X7.0	R-616WA-38X7.0S	R16X	BS16SNX	R-616-CFX	WA16-38X7.0SX	0.67	39	24	60
1	39X7.5	R-616WA-39X7.5S	R16X	BS16SNX	R-616-CFX	WA16-39X7.5SX	0.62	39	24	50
1 1/4	30X4.0	R-620WA-30X4.0S	R20X	BS20SNX	R-620-CFX	WA20-30X4.0SX	1.06	46	22	70
1 1/4	38X4.0	R-620WA-38X4.0S	R20X	BS20SNX	R-620-CFX	WA20-38X4.0SX	0.91	46	30	65
1 1/4	38X5.0	R-620WA-38X5.0S	R20X	BS20SNX	R-620-CFX	WA20-38X5.0SX	0.96	46	28	65
1 1/4	42X3.0	R-620WA-42X3.0S	R20X	BS20SNX	R-620-CFX	WA20-42X3.0SX	0.86	46	30	65
1 1/4	42X4.0	R-620WA-42X4.0S	R20X	BS20SNX	R-620-CFX	WA20-42X4.0SX	0.89	46	30	65
1 1/4	42X6.0	R-620WA-42X6.0S	R20X	BS20SNX	R-620-CFX	WA20-42X6.0SX	0.95	46	30	65
1 1/4	42.2X2.7	R-620WA-42.2X2.7S	R20X	BS20SNX	R-620-CFX	WA20-42.2X2.7SX	0.85	46	30	65
1 1/4	42.2X3.6	R-620WA-42.2X3.6S	R20X	BS20SNX	R-620-CFX	WA20-42.2X3.6SX	0.88	46	30	65
1 1/4	42.2X4.9	R-620WA-42.2X4.9S	R20X	BS20SNX	R-620-CFX	WA20-42.2X4.9SX	0.92	46	30	65
1 1/4	42.2X6.4	R-620WA-42.2X6.4S	R20X	BS20SNX	R-620-CFX	WA20-42.2X6.4SX	0.96	46	29	65
1 1/4	42.2X9.7	R-620WA-42.2X9.7S	R20X	BS20SNX	R-620-CFX	WA20-42.2X9.7SX	1.08	46	23	65
1 1/4	46X7.0	R-620WA-46X7.0S	R20X	BS20SNX	R-620-CFX	WA20-46X7.0SX	0.97	46	30	65
1 1/4	46X8.0	R-620WA-46X8.0S	R20X	BS20SNX	R-620-CFX	WA20-46X8.0SX	0.90	46	30	55

See next page

WA – Weld adapter connection continued

SAE 6000/ISO 6162-2



Size Inch	Tube	Complete Part Order code	Retaining Ring	Bonded Seal	Flange Order code	Weld Adapter Body Order code	Weight (Steel) kg/1 piece	D1	D2	L
1 1/2	38X5.0	R-624WA-38X5.0S	R24X	BS24SNX	R-624-CFX	WA24-38X5.0SX	1.48	56	28	75
1 1/2	48.3X2.8	R-624WA-48.3X2.8S	R24X	BS24SNX	R-624-CFX	WA24-48.3X2.8SX	1.14	56	39	70
1 1/2	48.3X3.7	R-624WA-48.3X3.7S	R24X	BS24SNX	R-624-CFX	WA24-48.3X3.7SX	1.18	56	39	70
1 1/2	48.3X5.1	R-624WA-48.3X5.1S	R24X	BS24SNX	R-624-CFX	WA24-48.3X5.1SX	1.24	56	38	70
1 1/2	48.3X7.1	R-624WA-48.3X7.1S	R24X	BS24SNX	R-624-CFX	WA24-48.3X7.1SX	1.36	56	34	70
1 1/2	48.3X10.2	R-624WA-48.3X10.2S	R24X	BS24SNX	R-624-CFX	WA24-48.3X10.2SX	1.32	56	30	70
1 1/2	50X3.0	R-624WA-50X3.0S	R24X	BS24SNX	R-624-CFX	WA24-50X3.0SX	1.13	56	39	70
1 1/2	50X5.0	R-624WA-50X5.0S	R24X	BS24SNX	R-624-CFX	WA24-50X5.0SX	1.20	56	40	70
1 1/2	50X6.0	R-624WA-50X6.0S	R24X	BS24SNX	R-624-CFX	WA24-50X6.0SX	1.26	56	38	70
1 1/2	50x9.0	R-624WA-50X9.0S	R24X	BS24SNX	R-624-CFX	WA24-50X9.0SX	1.42	56	32	70
1 1/2	56X8.5	R-624WA-56X8.5S	R24X	BS24SNX	R-624-CFX	WA24-56X8.5SX	1.18	56	39	60
2	48.3X5.6	R-632WA-48.3X5.6S	R32X	BS32SNX	R-632-CFX	WA32-48.3X5.6SX	2.40	66	37	90
2	50X9.0	R-632WA-50X9.0S	R32X	BS32SNX	R-632-CFX	WA32-50X9.0SX	2.61	66	32	90
2	60X3.0	R-632WA-60X3.0S	R32X	BS32SNX	R-632-CFX	WA32-60X3.0SX	1.89	66	49	90
2	60X5.0	R-632WA-60X5.0S	R32X	BS32SNX	R-632-CFX	WA32-60X5.0SX	1.99	66	50	90
2	60X6.0	R-632WA-60X6.0S	R32X	BS32SNX	R-632-CFX	WA32-60X6.0SX	2.10	66	48	90
2	60X8.0	R-632WA-60X8.0S	R32X	BS32SNX	R-632-CFX	WA32-60X8.0SX	2.28	66	44	90
2	60x10.0	R-632WA-60X10.0S	R32X	BS32SNX	R-632-CFX	WA32-60X10.0SX	2.46	66	40	90
2	60.3X2.8	R-632WA-60.3X2.8S	R32X	BS32SNX	R-632-CFX	WA32-60.3X2.8SX	1.87	66	49	90
2	60.3X3.9	R-632WA-60.3X3.9S	R32X	BS32SNX	R-632-CFX	WA32-60.3X3.9SX	1.95	66	49	90
2	60.3X5.5	R-632WA-60.3X5.5S	R32X	BS32SNX	R-632-CFX	WA32-60.3X5.5SX	2.04	66	49	90
2	60.3X8.7	R-632WA-60.3X8.7S	R32X	BS32SNX	R-632-CFX	WA32-60.3X8.7SX	2.34	66	43	90
2	60.3X11.1	R-632WA-60.3X11.1S	R32X	BS32SNX	R-632-CFX	WA32-60.3X11.1SX	2.54	66	38	90
2	66X8.5	R-632WA-66X8.5S	R32X	BS32SNX	R-632-CFX	WA32-66X8.5SX	1.95	66	49	75

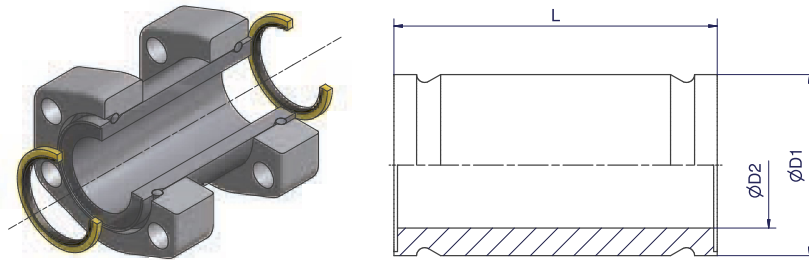
Other sizes on request

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel	S	R-620WA-46X8.0S
Stainless steel	SS	R-620WA-46X8.0SS

BF – Bulkhead flange

SAE 6000/ISO 6162-2



Size Inch	D1	D2	L	Complete Part Order code	Bulkhead Body Order code	Weight body (Steel) kg/1 piece
1	39	24	170	R-616BFS	BF16SX	0.96
1 1/4	46	30	180	R-620BFS	BF20SX	1.30
1 1/2	56	39	180	R-624BFS	BF24SX	1.75
2	66	49	210	R-632BFS	BF32SX	2.45

Other sizes on request

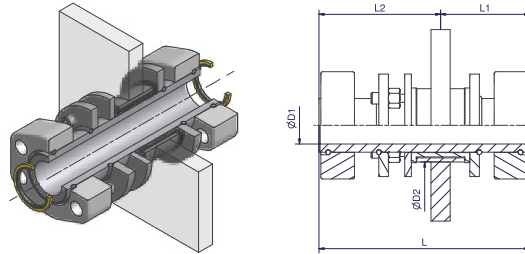
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel	S	R-620BFS
Stainless steel	SS	R-620BFSS



VB – Vibra bulkhead

SAE 6000/ISO 6162-2



Size Inch	Tube	D1	D2	L	L1	L2	Complete Part Order code	Weight (Steel) kg/1 piece
1	39X7.5	24	59.5	220	95	125	R-616VBCF	3.20
1 1/4	46X8.0	30	66.5	220	95	125	R-620VBCF	4.10
1 1/2	56X8.5	39	76.5	220	95	125	R-624VBCF	4.90
2	66X8.5	49	86.5	250	110	140	R-632VBCF	6.19

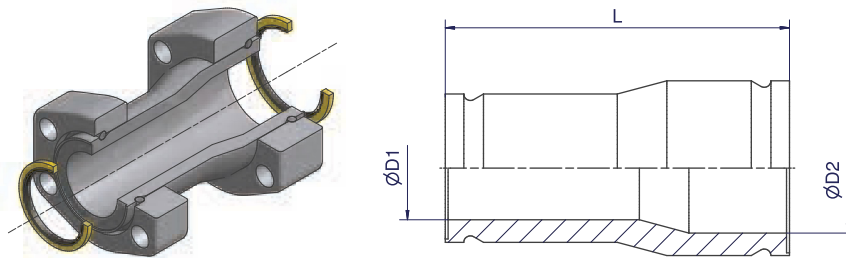
Other sizes on request

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	R-620VBCF
Stainless steel	SS	R-620VBSS

RF – Reducer flange

SAE 6000/ISO 6162-2



Size Inch	D1	D2	L	Complete Part Order code	Reducer Body Order code	Weight body (Steel) kg/1 piece
1 1/4 - 1	24	30	110	R-620-616RFCF	RF20-16CFX	0.7
1 1/2 - 1	24	39	115	R-624-616RFCF	RF24-16CFX	0.9
1 1/2 - 1 1/4	30	39	130	R-624-620RFCF	RF24-20CFX	1.1
2 - 1 1/4	30	49	130	R-632-620RFCF	RF32-20CFX	1.3
2 - 1 1/2	39	49	130	R-632-624RFCF	RF32-24CFX	1.4

Other sizes on request

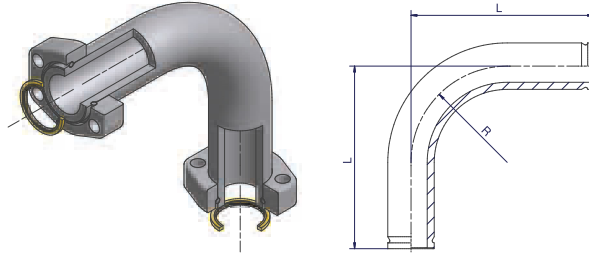
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	R-620-616RFCF
Stainless steel	SS	R-620-616RFSS



FB90 – 90° Flange bend

SAE 6000/ISO 6162-2



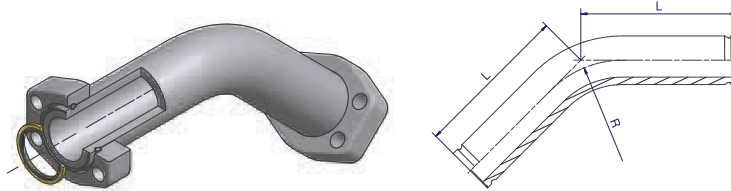
Size Inch	Tube	L	R	Complete Part Order code	90° Flange Bend Order code	Weight body (Steel) kg/1 piece
1	39X7.5	160	98	R-616FB90S	FB90-16SX	1.59
1 1/4	46X8.0	180	96	R-620FB90S	FB90-20SX	2.35
1 1/2	56X8.5	220	116	R-624FB90S	FB90-24SX	3.84
2	66X8.5	275	165	R-632FB90S	FB90-32SX	5.72

Please change suffixes according to material/surface required

Order code suffixes			
Material	Suffix surface and material	Example	Comments
Steel, zinc plated, Cr(VI)-free	S	R-620FB90S	
Stainless steel	SS	R-620FB90SS	on request

FB45 – 45° Flange bend

SAE 6000/ISO 6162-2



Size Inch	Tube	L	R	Complete Part Order code	45° Flange Bend Order code	Weight body (Steel) kg/1 piece
1	39X7.5	140	80	R-616FB45S	FB45-16SX	1.58
1 1/4	46X8.0	150	96	R-620FB45S	FB45-20SX	2.18
1 1/2	56X8.5	180	116	R-624FB45S	FB45-24SX	3.49
2	66X8.5	220	165	R-632FB45S	FB45-32SX	5.16

Available on request

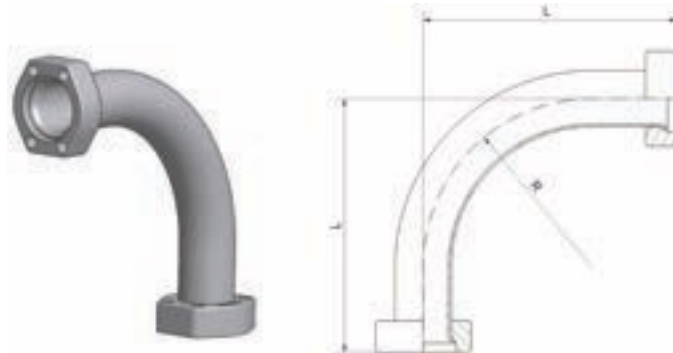
Please change suffixes according to material/surface required

Order code suffixes			
Material	Suffix surface and material	Example	Comments
Steel, zinc plated, Cr(VI)-free	S	R-620FB45S	
Stainless steel	SS	R-620FB45SS	on request



FB90 – 90° Flange bend

SAE 6000/ISO 6162-2



Size Inch	Tube	Complete Part Order code	L	R	W.P. in bar according to EDIN 2413 (bended pipes)	
					Tube E355N/St52.4 NBK - Cr(VI) plated or phosphated and oiled	Seamless Colddrawn Stainless Steel Tube ASTM A269/A213 - AISI 316L
1 1/2	50X5	F37-624FB90	220	150	263	218
2	60X5	F37-632FB90	275	180	222	184

Other sizes on request

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	F37-624FB90CF
Stainless steel	SS	F37-624FB90SS

FB45 – 45° Flange bend

SAE 6000/ISO 6162-2



Size Inch	Tube	Complete Part Order code	L	R	W.P. in bar according to EDIN 2413 (bended pipes)	
					Tube E355N/St52.4 NBK - Cr(VI) plated or phosphated and oiled	Seamless Colddrawn Stainless Steel Tube ASTM A269/A213 - AISI 316L
1 1/2	50X5	F37-624FB45	180	150	263	218
2	60X5	F37-632FB45	220	180	222	184

Other sizes on request

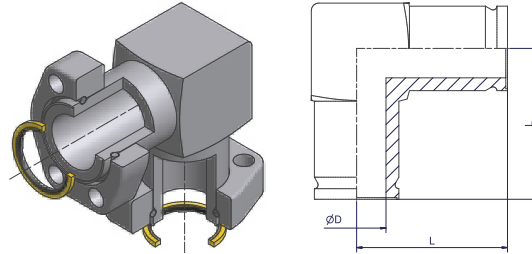
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	F37-624FB45CF
Stainless steel	SS	F37-624FB45SS



LF – Elbow flange

SAE 6000/ISO 6162-2



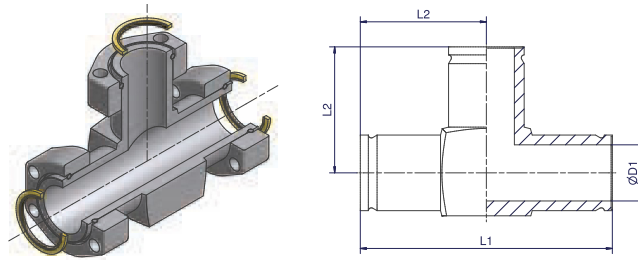
Size Inch	D	L	Complete Part Order code	Elbow Flange body Order code	Weight body (Steel) kg/1 piece
1/2	14	70	R-608LFCF	LF08CFX	0.50
3/4	20	80	R-612LFCF	LF12CFX	1.07
1	24	85	R-616LFCF	LF16CFX	1.32
1 1/4	30	90	R-620LFCF	LF20CFX	1.72
1 1/2	39	100	R-624LFCF	LF24CFX	2.60
2	49	110	R-632LFCF	LF32CFX	4.02

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	R-620LFCF
Stainless steel	SS	R-620LFSS

TF – TEE flange

SAE 6000/ISO 6162-2



Size Inch	D1	L1	L2	Complete Part Order code	Tee Flange body Order code	Weight body (Steel) kg/1 piece
1/2	14	120	60	R-608TFCF	TF08CFX	0.75
3/4	20	130	65	R-612TFCF	TF12CFX	3.20
1	24	140	70	R-616TFCF	TF16CFX	2.00
1 1/4	30	180	90	R-620TFCF	TF20CFX	2.03
1 1/2	39	200	100	R-624TFCF	TF24CFX	3.13
2	49	220	110	R-632TFCF	TF32CFX	4.53

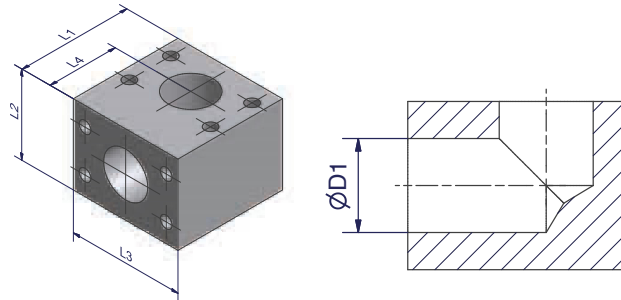
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	R-620TFCF
Stainless steel	SS	R-620TFSS



LB – Flange L-block

SAE 6000/ISO 6162-2



Size Inch	D1	L1	L2	L3	L4	Weight (Steel) kg/1 piece	Order code
1	25	80	65	80	54	2.8	LB616CFX
1 1/4	30	86	64	90	57	3.2	LB620CFX
1 1/2	38	90	74	100	66	4.6	LB624CFX
2	50	122	88	132	78	8.8	LB632CFX

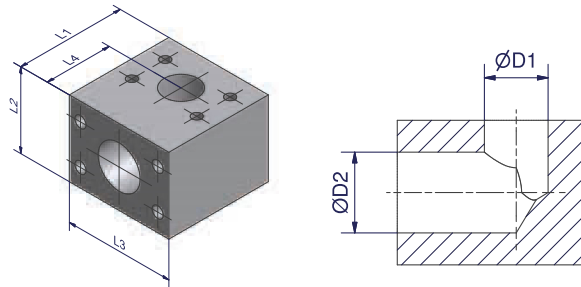
Other sizes on request

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	LB620CFX
Stainless steel	SS	LB620SSX

LBR – Flange L-block reducer

SAE 6000/ISO 6162-2



Size Inch	D1	D2	L1	L2	L3	L4	Weight (Steel) kg/1 piece	Order code
1 1/4 - 1	25	30	86	64	90	57	3.3	LBR620-616CFX
1 1/2 - 1	25	38	100	74	100	66	4.9	LBR624-616CFX
1 1/2 - 1 1/4	30	38	100	74	100	66	4.8	LBR624-620CFX
2 - 1	25	50	122	88	132	78	9.4	LBR632-616CFX
2 - 1 1/4	30	50	122	88	132	78	9.3	LBR632-620CFX
2 - 1 1/2	38	50	122	88	132	78	9.1	LBR632-624CFX

Other sizes on request

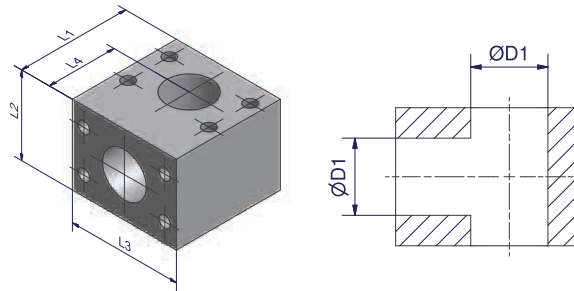
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	LBR620-616CFX
Stainless steel	SS	LBR620-616SSX



TB – Flange T-block

SAE 6000/ISO 6162-2



Size Inch	D1	L1	L2	L3	L4	Weight (Steel) kg/1 piece	Order code
3/4	19	75	60	75	49	2.27	TB612CFX
1	25	80	65	80	54	1.60	TB616CFX
1 1/4	30	86	64	90	57	2.20	TB620CFX
1 1/2	38	100	74	100	66	3.10	TB624CFX
2	50	122	88	132	78	3.90	TB632CFX

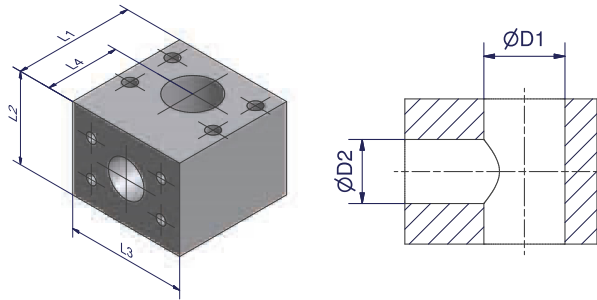
Other sizes and combinations on request

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	TB620CFX
Stainless steel	SS	TB620SSX

TBR – Flange T-block reducer

SAE 6000/ISO 6162-2



Size Inch	D1	D2	L1	L2	L3	L4	Weight (Steel) kg/1 piece	Order code
1 1/4 - 1 - 1 1/4	30	25	86	64	90	57	3.1	TBR620-616-620CFX
1 1/2 - 1 1/4 - 1 1/2	38	30	100	74	100	66	4.4	TBR624-620-624CFX
1 1/2 - 1 - 1 1/2	38	25	100	74	100	66	4.6	TBR624-616-624CFX
2 - 1 1/2 - 2	50	38	122	88	132	78	8.5	TBR632-624-632CFX
2 - 1 1/4 - 2	50	30	122	88	132	78	8.8	TBR632-620-632CFX

Other sizes on request

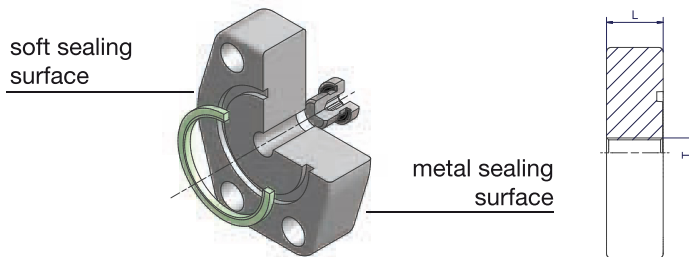
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	TBR620-616-620CFX
Stainless steel	SS	TBR620-616-620SSX



BFV – Blind flange

SAE 6000/ISO 6162-2



Size Inch	L	T1	Weight (Steel) kg/1 piece	Flange incl. VSTI-ED and F37 Seal Order code
1/2	20	G 1/4	0.29	F37-608BFVCF
3/4	24	G 1/4	0.57	F37-612BFVCF
1	24	G 1/4	0.60	F37-616BFVCF
1 1/4	22	G 1/4	0.70	F37-620BFVCF
1 1/2	25	G 1/4	1.10	F37-624BFVCF
2	33	G 1/4	2.00	F37-632BFVCF

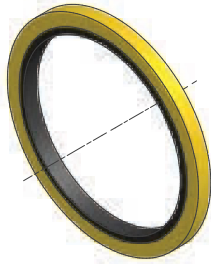
Other sizes on request

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	F37-620BFVCF
Stainless steel	SS	F37-620BFVSS

BS – Bonded seal

SAE 6000/ISO 6162-2

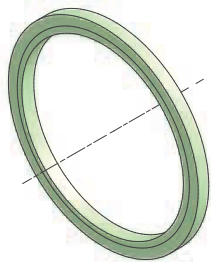


Size Inch	Steel	Stainless Steel
1/2	BS08SNX	BS08SSNX
3/4	BS12SNX	BS12SSNX
1	BS16SNX	BS16SSNX
1 1/4	BS20SNX	BS20SSNX
1 1/2	BS24SNX	BS24SSNX
2	BS32SNX	BS32SSNX

Sealing: NBR
Other sealing materials like FKM on request

F37S – F37 Seal

SAE 6000/ISO 6162-2



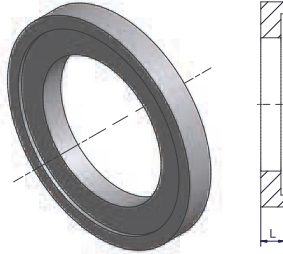
Size Inch	F37 Seal
1/2	F37S08X
3/4	F37S12X
1	F37S16X
1 1/4	F37S20X
1 1/2	F37S24X
2	F37S32X

Sealing: Polyurethane
Material properties and applications see page 18



AO – Adapter bonded seal to F37 seal/O-Ring

SAE 6000/ISO 6162-2



Size Inch	L	Weight (Steel) kg/1 piece	Adapter* Order code
1/2	5	0.02	AO08CFX
3/4	5	0.02	AO12CFX
1	7	0.06	AO16CFX
1 1/4	7	0.06	AO20CFX
1 1/2	7	0.08	AO24CFX
2	7	0.10	AO32CFX

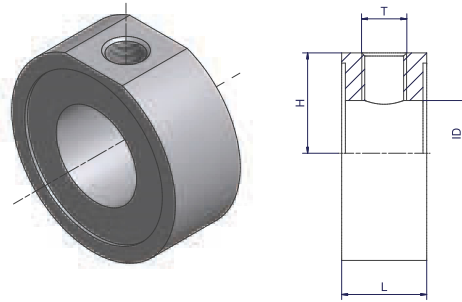
*Part excluding seals

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	AO32CFX
Stainless steel	SS	AO32SSX

TBT – Tee between bonded seal

SAE 6000/ISO 6162-2



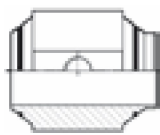
Size Inch	L	H	T	ID	Bolt ISO 4762	Weight (Steel) kg/1 piece	Order code*
1	25	20.5	G 1/4	25	ZYLS10X90	0.21	TBT16-1/4CFX
1 1/4	25	24.5	G 1/4	27	ZYLS10X100	0.30	TBT20-1/4CFX
1 1/4	40	22.5	G 1/2	24	ZYLS10X120	0.49	TBT20-1/2CFX
1 1/2	25	29.5	G 1/4	31	ZYLS12X110	0.42	TBT24-1/4CFX
1 1/2	40	28.0	G 1/2	30	ZYLS12X130	0.68	TBT24-1/2CFX
2	25	35.0	G 1/4	41	ZYLS12X110	0.51	TBT32-1/4CFX
2	40	34.0	G 1/2	38	ZYLS12X130	0.87	TBT32-1/2CFX

*Part excluding seals
For testpoints and diagnostic test equipment see catalogue 4100, Industrial Tube Fittings Europe

Alternative versions on request



TFVB



TTB

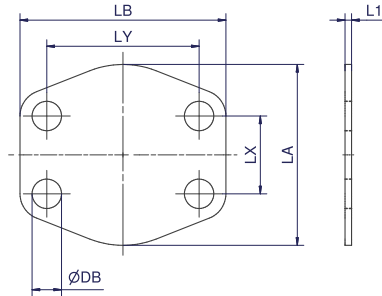
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	TBT24-1/4CFX
Stainless steel	SS	TBT24-1/4SSX



AP – SAE flange locking plate

SAE 6000/ISO 6162-2



Nom. flange size		L1*	LA	LB	LX	LY	DB	Weight body (Steel) kg/1 piece	Order code
SAE (In)	ISO (DN)								
1/2	13	4	47	57	18.2	40.5	9.0	0.02	8AP2
3/4	19	4	53	71	23.8	50.8	11.0	0.02	12AP2
1	25	4	66	80	27.8	57.1	13.0	0.03	16AP2
1 1/4	32	4	77	94	31.8	66.7	15.0	0.04	20AP2
1 1/2	38	4	89	103	36.5	79.4	17.0	0.05	24AP2
2	51	4	123	135	44.5	96.8	21.0	0.06	32AP2
2 1/2	64	4	150	166	58.7	123.8	25.0	0.08	40AP2
3	76	4	178	208	71.4	125.4	32.0	0.10	48AP2

*L1 x 2 with locking and rubber plate (CFSBR70)
This flange locking plate is not used under pressure!

Please change suffixes according to material/surface required

Order code suffixes			
Material	Suffix surface and material	Example	Description
Steel, zinc plated, Cr(VI)-free	CF	8AP2CF	only locking plate
Stainless steel	SS	8AP2SS	only locking plate
Steel (zinc plated, Cr(VI)-free), SBR 70 Shore A	CFSBR70	8AP2CFSBR70	locking incl. rubber plate

Bolts and nuts for flange

SAE 6000/ISO 6162-2



F37 Flare Flange

Size Inch	Flange	F37 Seal / Flat Face / Bonded Seal		Nut
		Bolts Tube to Port	Bolts Tube to Tube	
1/2	F37-608-CFX	4 x ZYLS8X35	4 x ZYLS8X65	4 x ISO4032-M8
3/4	F37-612-CFX	4 x ZYLS10X45	4 x ZYLS10X75	4 x ISO4032-M10
1	F37-616-CFX	4 x ZYLS12X45	4 x ZYLS12X75	4 x ISO4032-M12
1 1/4	F37-620-CFX	4 x ZYLS14X55	4 x ZYLS14X90	4 x ISO4032-M14
1 1/2	F37-624-CFX	4 x ZYLS16X60	4 x ZYLS16X100	4 x ISO4032-M16
2	F37-632-CFX	4 x ZYLS20X70	4 x ZYLS20X120	4 x ISO4032-M20

Retaining Ring Flange

Size Inch	Flange	Flat Face / Bonded Seal		Nut
		Bolts Tube to Port	Bolts Tube to Tube	
1/2	R-608-CFX	4 x ZYLS8X35	4 x ZYLS8X60	4 x ISO4032-M8
3/4	R-612-CFX	4 x ZYLS10X45	4 x ZYLS10X80	4 x ISO4032-M10
1	R-616-CFX	4 x ZYLS12X45	4 x ZYLS12X80	4 x ISO4032-M12
1 1/4	R-620-CFX	4 x ZYLS14X50	4 x ZYLS14X90	4 x ISO4032-M14
1 1/2	R-624-CFX	4 x ZYLS16X60	4 x ZYLS16X110	4 x ISO4032-M16
2	R-632-CFX	4 x ZYLS20X70	4 x ZYLS20X110	4 x ISO4032-M20
2 1/2	R-640-CFX	4 x ZYLS24X90	4 x ZYLS24X150	4 x ISO4032-M24
3	R-648-CFX	4 x ZYLS30X100	4 x ZYLS30X160	4 x ISO4032-M30

Bolts and nuts must be ordered separately

Latest information about nuts and bolts see www.parker.com/tfde/servicemanuals/userguides

Please add the suffixes according to the bolt quality

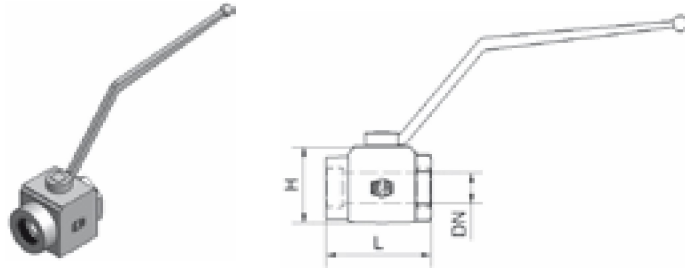
Quality	Steel		0Stainless Steel
	8.8	10.9	A4-80X
Bolt	ZYLS16X60X	ZYLS16X60109X	ZYLS16X60A4-80X
Nut	ISO-4032-M12-8VZX	ISO-4032-M12-10VZX	ISO-4032-M12-80X

* Bolt quality 10.9 recommended.
Bolt quality 8.8 can affect the pressure capability.



KH – Ball valve

400 bar female BSPP thread (ISO 1179-1)



Material Steel

Size Inch	DN	L	H	Order code	Weight (Steel) kg/1 piece	W.P. bar
1 1/4	32	110	80	KH11/4X	3	400
1 1/2	40	114	90	KH11/2X	4	
2	50	129	104	KH2X	5	

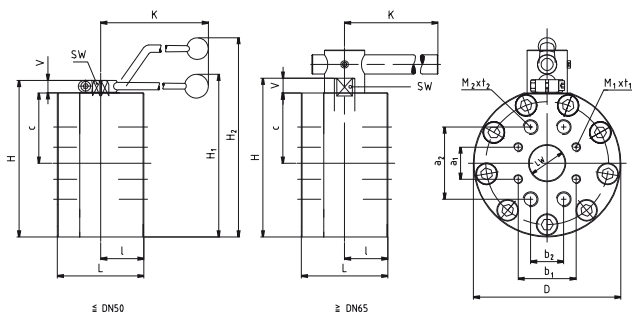
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	KH11/4CFX
Steel		KH11/4X
Stainless steel	71	KH11/471X

	Materials	
Body	Steel	Stainless Steel
Ball	Steel	Stainless Steel
Stem	Steel	Stainless Steel
Ball seats	POM	POM
O-Ring	NBR	NBR
Tmin / T max	-30°C / 100 °C	-30°C / 100°C

KH – Ball valve drilled and tapped for SAE 6000 and SAE 3000 flanges

SAE 6000/ISO 6162-2



Material Steel

Order Code	PN (bar)	DN	LW	L	I	D	H	c	V	K	SW	a2	b2	M2	t2	H1	H2	Material Code	Lever	Weight kg
KH08-15CF	210 / 420	15	15	75	35	88	88	31.0	13	160	12	40.5	18.2	M8	18	-	132	212A	Al	2.96
KH12-20CF	210 / 420	20	20	80	35	98	100	36.5	14	200	14	50.8	23.8	M10	18	103	-	212A	Zn	4.20
KH16-25CF	210 / 420	25	25	88	38	118	113	39.5	14	200	14	27.8	57.2	M12	20	116	-	212A	Zn	6.00
KH20-32CF	210 / 420	32	32	100	50	145	158	68.0	17	320	17	66.7	31.8	M14	22	167	-	212A	Al	11.65
KH24-38CF	210 / 420	40	38	110	55	165	178	78.0	17	320	17	79.4	36.5	M16	27	187	-	212A	Al	17.10
KH32-48CF	210 / 420	50	48	116	58	198	210	94.0	17	320	17	96.8	44.5	M20	28	219	-	212A	Al	24.60

Steel ball valves 1/2" up to 2" with SAE 3000 and SAE 6000 boring pattern

Please change suffixes according to material/surface required

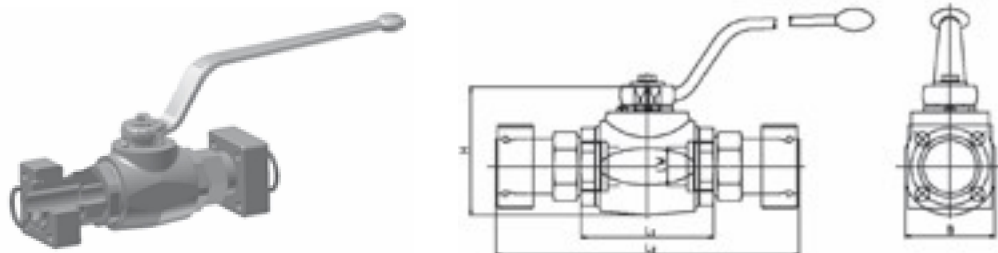
Order code suffixes			
Material	Suffix surface and material	Example	Comments
Steel, zinc plated, Cr(VI)-free	CF	KH20-32CF	on request
Stainless steel	SS	KH20-32SS	

	Material 221A
Body	Stahl
Ball	Stahl
Stem	Stahl
Ball seats	POM
O-Ring	NBR
Tmin / T max	-10°C / 100°C



KH-R – Ball valve with SAE 6000 Flanges

SAE 6000/ISO 6162-2



Material Steel

Size Inch	LW	L1	L2	B	H	Complete part Order code	Valve body Order code	Weight body (Steel) kg/1 piece	W.P. bar
3/4	20	95	217.0	49	75	KH-R-612-20CF	KH-R-12-20CF	2.8	420
1	25	113	251.0	58	83	KH-R-616-25CF	KH-R-16-25CF	4.2	315
1 1/4	32	111	271.0	81	107	KH-R-620-32CF	KH-R-20-32CF	6.8	420
1 1/2	38	130	316.0	100	124	KH-R-624-38CF	KH-R-24-38CF	10.8	420
2	48	140	348.0	118	138	KH-R-632-48CF	KH-R-32-48CF	16.5	420

Material Stainless Steel

Size Inch	LW	L1	L2	B	H	Complete part Order code	Valve body Order code	Weight body (Steel) kg/1 piece	W.P. bar
3/4	20	95	217.0	49	75	KH-R-612-20SS	KH-R-12-20SS	2.8	420
1	25	113	251.0	58	83	KH-R-616-25SS	KH-R-16-25SS	4.2	315
1 1/4	32	111	271.0	81	107	KH-R-620-32SS	KH-R-20-32SS	9.4	420
1 1/2	38	130	316.0	100	124	KH-R-624-38SS	KH-R-24-38SS	13.8	420
2	48	140	348.0	118	138	KH-R-632-48SS	KH-R-32-48SS	18.7	420

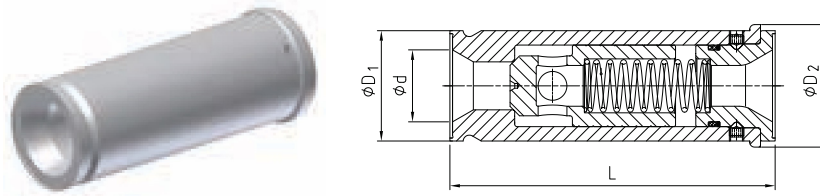
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	KH-R-620-32CF
Stainless steel	SS	KH-R-620-32SS

	Materials	
Body	Steel	Stainless Steel
Ball	Steel	Stainless Steel
Stem	Steel	Stainless Steel
Ball seats	POM	POM
O-Ring	NBR	NBR
Tmin / T max	-20°C / 100 °C	-30°C / 100°C

RHD-R – Non return valves

SAE 6000/ISO 6162-2



Material Steel

Size Inch	L	D1	D2	d	Complete part Order code	Valve body Order code	Weight body (Steel) kg/1 piece	W.P. bar
1	116.6	39	44.2	23.0	RHD-R-616-0.5BCF	RHD-R-16-0.5BCF	0.78	420
1 1/4	135.6	46	51.1	30.0	RHD-R-620-0.5BCF	RHD-R-20-0.5BCF	1.26	
1 1/2	135.6	56	60.5	38.8	RHD-R-624-0.5BCF	RHD-R-24-0.5BCF	1.61	
2	180.1	66	70.5	49.0	RHD-R-632-0.5BCF	RHD-R-32-0.5BCF	2.54	

Opening pressure 0.5 bar
Other pressure rates on request

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	RHD-R-620-32CF
Stainless steel (inner parts steel)	SS	RHD-R-620-32SS

	Materials
Body	Steel
O-Ring	NBR
Tmin / T max	-10°C / 100 °C

