

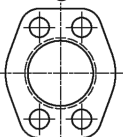
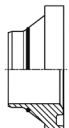
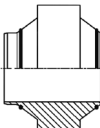
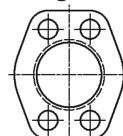
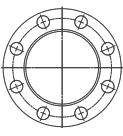
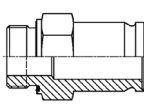
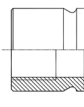
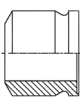
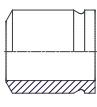
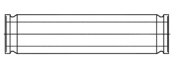
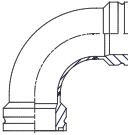
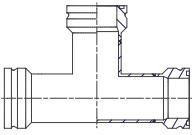
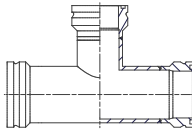
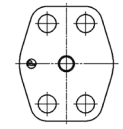
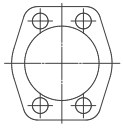
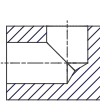
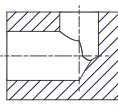
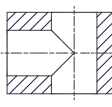
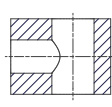
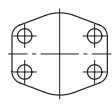


SAE 1000 System

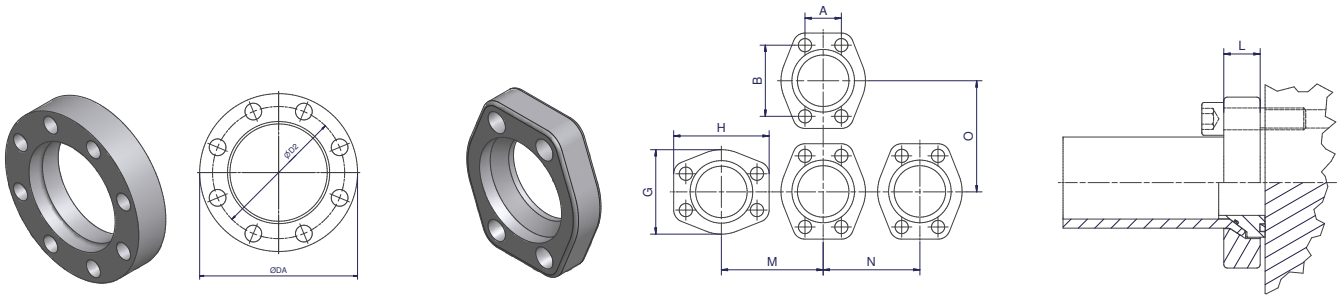
50 – 70 bar

ENGINEERING YOUR SUCCESS.

Programme overview SAE 1000/ISO 6162-1 footprint

Parflange® F37 connection parts	Flanges  F37 – p.39	
	Inserts  TFV – p.41  TF – p.42  TT – p.43	
Retaining ring connection parts	Flanges  R – p.40  R-Ring – p.44  R – p.40	
	Male / Female  MTF-R – p.45  FTF-R – p.46	Weld  WA – p.47  WA-F – p.48
	Tube to Tube  BF – p.49/50  RF – p.51/52  LF – p.53/54  TF – p.55/56  TF-R – p.55/56	
	Blind Flanges  BFV – p.57  CPML – p.58	Blocks see SAE 3000  LB  LBR  TB  TBR
Seals Adapter Bolts	Bolts and Nuts  p.59  AP – p.60	
	 p. 61/62	

F37 – Flare flange | SAE 1000/ISO 6162-1 footprint

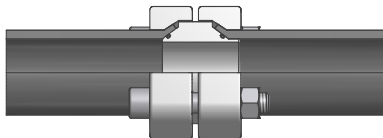


Parflange F37 flange dimensions

Size Inch	Flange Order Code	A	B	G	H	M	N	O	L	Bolts/pc.	Weight (Steel) kg/1 piece	W.P. bar
1 1/2	F37-124-CFX	35.7	69.9	83	93.75	90	85	96	20	4	0.52	70
2	F37-132-CFX	42.9	77.8	97	101.60	102	99	104	25	4	0.83	70
2 1/2	F37-140-CFX	50.8	88.9	109	114.30	114	111	117	30	4	1.16	70
3	F37-148-CFX	61.9	106.4	131	135.50	136	133	137	30	4	1.57	70
3 1/2	F37-156-CFX	69.9	120.7	140	152.40	148	142	155	30	4	1.99	70
4	F37-164-CFX	77.8	130.2	152	161.95	160	155	164	39	4	2.69	70
5	F37-180-CFX	92.1	152.4	181	184.15	186	184	185	39	4	3.24	50
		D2	DA									
6	F37-196-CFX	208.0	236.0						39	6	5.60	50
8	F37-1128-CFX	275.0	318.0						39	8	10.51	50
10	F37-1160-CFX	345.0	410.0						50	8	25.35	50

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	F37-320-CFX	
Stainless steel	SS	F37-320-SSX	
Galvanized hot dip zinc	TZN	F37-320-TZNX	on request



Part combination flaring SAE 1000

Flange Pressure (bar)	Size Inch	Pipe Size	Flange 1000 SAE ISO 6162-1 footprint	Insert*
70	1 1/2	50X3.0	F37-124-CFX	IN24-50X3.0T...
	2	60X3.0	F37-132-CFX	IN32-60X3.0T...
	2 1/2	75X3.0	F37-140-CFX	IN40-75X3.0T...
	3	88.9X3.05	F37-14888.9-CFX	IN48-88.9X3.05T...
	3	90X3.5	F37-148-CFX	IN48-90X3.5T...
	3 1/2	100X4.0	F37-156-CFX	IN56-100X4.0T...
50	4	115X4.0	F37-164-CFX	IN64-115X4.0T...
	5	140X4.5	F37-180-CFX	IN80-140X4.5T...
	6	165X5.0	F37-196-CFX	IN96-165X5.0T...
	8	220X6.0	F37-1128-CFX	IN128-220X6.0T...
	10	273X6.0	F37-1160-CFX	IN160-273X6.0T...

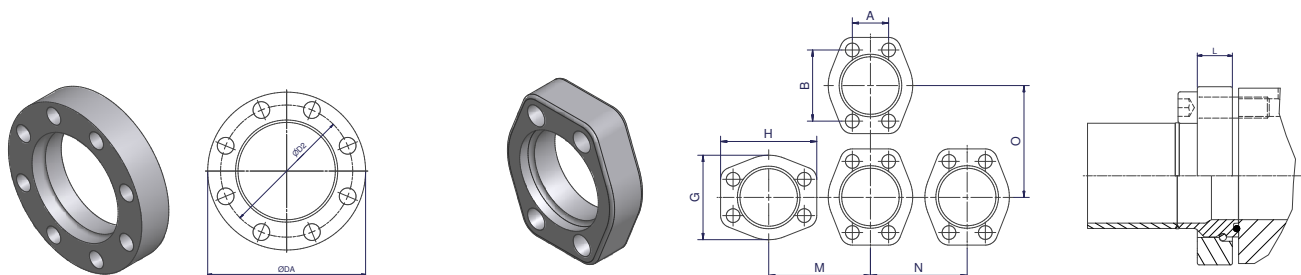
Select the complete version:

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

Pressure rates related to flanges | Bolts and nuts for flanges see page 59 | Other sizes on request

R – Retaining ring flange | SAE 1000/ISO 6162-1 footprint

SAE 1000/ISO 6162-1 footprint



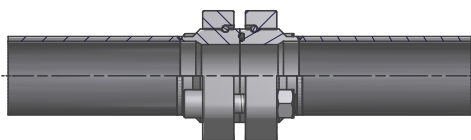
Retaining Ring Flange dimensions

Size Inch	Flange Order code	A	B	G	H	M	N	O	L	Bolts/pc.	Weight (Steel) kg/1 piece	W.P. bar
1 1/2	R-124-CFX	35.7	69.9	83	93.75	90	85	96	20	4	0.46	70
2	R-132-CFX	42.9	77.8	97	101.60	102	99	104	20	4	0.57	70
2 1/2	R-140-CFX	50.8	88.9	109	114.30	114	111	117	20	4	0.70	70
3	R-148-CFX	61.9	106.4	131	135.50	136	133	137	25	4	1.18	70
3 1/2	R-156-CFX	69.9	120.7	140	152.40	148	142	155	29	4	1.47	70
4	R-164-CFX	77.8	130.2	152	161.95	160	155	164	30	4	1.74	70
5	R-180-CFX	92.1	152.4	181	184.15	185	183	186	39	4	2.81	70
		D2	DA									
6	R-196-CFX	208.0	235.5						39	6	4.96	70
8	R-1128-CFX	275.0	318.0						38	8	8.95	50
10	R-1160-CFX	345.0	409.6						50	8	23.29	50

For all sizes also threaded flanges available (...T-CFX).

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-124-CFX
Stainless steel	SS	R-124-SSX
Galvanized hot dip zinc	TZN (Not for threaded flanges available)	R-124-TZN



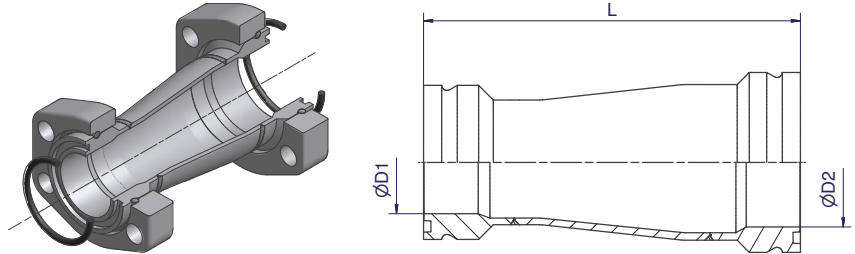
Part combination retaining ring SAE 1000 (O-Ring) connection

Flange pressure (bar)	Size Inch	Flange	Retaining Ring
70	1 1/2	R-124-CFX	R124X
	2	R-132-CFX	R132X
	2 1/2	R-140-CFX	R140X
	3	R-148-CFX	R148X
	3 1/2	R-156-CFX	R156X
	4	R-164-CFX	R164X
	5	R-180-CFX	R180X
50	6	R-196-CFX	R196X
	8	R-1128-CFX	R1128X
	10	R-1160-CFX	R1160X

* Use only for weld adapter and T- and L-adapter flanges | Bolts and nuts are not included in a complete part. Bolts and nuts for flanges see page 59.

RF – Reducer flange, soft sealed

SAE 1000/ISO 6162-1 footprint



Size Inch	Complete Part Order code	Reducer Body Order code	O-Ring D1	O-Ring D2	D1	D2	L	Weight body (Steel) kg/1 piece	W.P. bar
2 - 1 1/2	R-132-124LRFCF	RF132-124LOMDCF	OR56.75X3.53X	OR47.22X3.53X	39.8	50.3	146	0.91	70
2 1/2 - 1 1/2	R-140-124LRFCF	RF140-124LOMDCF	OR69.44X3.53X	OR47.22X3.53X	39.8	62.0	160	1.04	70
2 1/2 - 2	R-140-132LRFCF	RF140-132LOMDCF	OR69.44X3.53X	OR56.75X3.53X	50.0	62.0	160	1.25	70
3 - 1 1/2	R-148-124LRFCF	RF148-124LOMDCF	OR85.32X3.53X	OR47.22X3.53X	39.8	77.8	165	1.34	70
3 - 2	R-148-132LRFCF	RF148-132LOMDCF	OR85.32X3.53X	OR56.75X3.53X	50.0	77.8	165	1.45	70
3 - 2 1/2	R-148-140LRFCF	RF148-140LOMDCF	OR85.32X3.53X	OR69.44X3.53X	62.0	77.8	168	1.53	70
3 1/2 - 2 1/2	R-156-140LRFCF	RF156-140LOMDCF	OR98.02X3.53X	OR69.44X3.53X	62.0	89.8	177	2.00	50
3 1/2 - 3	R-156-148LRFCF	RF156-148LOMDCF	OR98.02X3.53X	OR85.32X3.53X	77.8	89.8	182	2.32	50
4 - 3	R-164-148LRFCF	RF164-148LOMDCF	OR110.72X3.53X	OR85.32X3.53X	77.8	99.8	182	2.43	50
5 - 4	R-180-164LRFCF	RF180-164LOMDCF	OR136.12X3.53X	OR110.72X3.53X	99.8	124.8	214	3.86	50

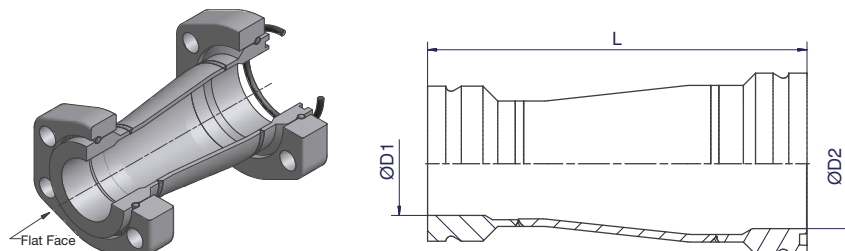
Other sizes on request

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	RF-132-124-LRFCF
Stainless steel	SS	RF-132-124-LRFSS

RF – Reducer flange flat face

SAE 1000/ISO 6162-1 footprint



Size Inch	Complete Part Order code	Reducer Body Order code	O-Ring	D1	D2	L	Weight body (Steel) kg/1 piece	W.P. bar
2 - 1 1/2	R-132-124FRFCF	RF132-124FOMDCF	OR56.75X3.53X	39.8	50.0	146	0.91	70
2 1/2 - 1 1/2	R-140-124FRFCF	RF140-124FOMDCF	OR69.44X3.53X	39.8	62.0	160	1.04	70
2 1/2 - 2	R-140-132FRFCF	RF140-132FOMDCF	OR69.44X3.53X	50.0	62.0	160	1.25	70
3 - 1 1/2	R-148-124FRFCF	RF148-124FOMDCF	OR85.32X3.53X	39.8	77.8	165	1.34	70
3 - 2	R-148-132FRFCF	RF148-132FOMDCF	OR85.32X3.53X	50.0	77.8	165	1.45	70
3 - 2 1/2	R-148-140FRFCF	RF148-140FOMDCF	OR85.32X3.53X	62.0	77.8	168	1.53	70
3 1/2 - 2 1/2	R-156-140FRFCF	RF156-140FOMDCF	OR98.02X3.53X	62.0	89.8	177	2.00	50
3 1/2 - 3	R-156-148FRFCF	RF156-148FOMDCF	OR98.02X3.53X	77.8	89.8	182	2.32	50
4 - 3	R-164-148FRFCF	RF164-148FOMDCF	OR110.72X3.53X	77.8	99.8	182	2.43	50
5 - 4	R-180-164FRFCF	RF180-164FOMDCF	OR136.12X3.53X	99.8	124.8	214	3.86	50

Other sizes on request

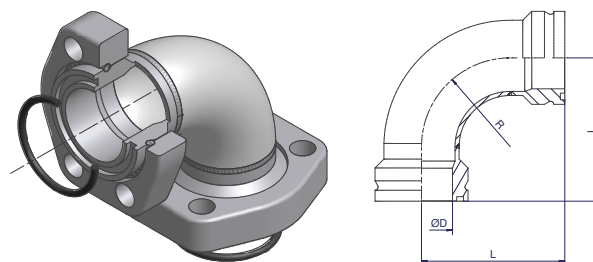
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	RF132-124-FRFCF
Stainless steel	SS	RF132-124-FRFSS



LF – Elbow flange

SAE 1000/ISO 6162-1 footprint



Size Inch	Elbow Flange Complete Part Order code	Elbow Flange body Order code	O-Ring	D	L	R	Weight body (Steel) kg/1 piece	W.P. bar
1 1/2	R-124LLFCF	LF124LOMDCF	OR47.22X3.53X	39.8	94	57.0	0.85	70
2	R-132LLFCF	LF132LOMDCF	OR56.75X3.53X	50.0	112	76.0	1.18	70
2 1/2	R-140LLFCF	LF140LOMDCF	OR69.44X3.53X	62.0	132	95.0	1.54	70
3	R-148LLFCF	LF148LOMDCF	OR85.32X3.53X	77.8	155	114.0	2.44	70
3 1/2	R-156LLFCF	LF156LOMDCF	OR98.02X3.53X	88.9	184	142.5	3.88	50
4	R-164LLFCF	LF164LOMDCF	OR110.72X3.53X	99.8	195	152.0	4.33	50
5	R-180LLFCF	LF180LOMDCF	OR136.12X3.53X	124.8	235	190.0	6.81	50
6	R-196LLFCF	LF196LOMDCF	OR158.34X3.53X	149.8	304	229.0	11.19	50
8	R-1128LLFCF	LF1128LOMDCF	OR219.3X5.7X	206.5	390	305.0	24.13	50
10	R-1160LLFCF	LF1160LOMDCF	OR269.3X5.7X	255.0	471	381.0	38.39	50

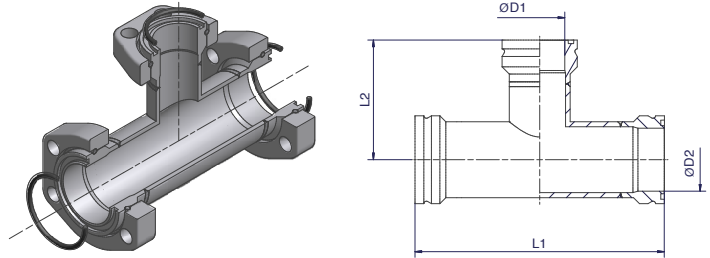
Other sizes on request

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-124LLFCF
Stainless steel	SS	R-124LLFSS

TF/TF-R – TEE flange

SAE 1000/ISO 6162-1 footprint



Size Inch	Tee Flange Complete Part Order code	Tee Flange body Order code	O-Ring D1	O-Ring D2	D1	D2	L1	L2	Weight body (Steel) kg/1 piece	W.P. bar
1 1/2	R-124LTFCF	TF124LOMDCF	OR47.22X3.53X	OR47.22X3.53X	39.8	39.8	184	92	1.30	70
2-1 1/2-2	R-132-124-132LTFCF	TF132-124-132LOMDCF	OR47.22X3.53X	OR56.75X3.53X	39.8	50.0	200	97	1.58	70
2	R-132LTFCF	TF132LOMDCF	OR56.75X3.53X	OR56.75X3.53X	50.0	50.0	198	99	1.67	70
2 1/2-2-2 1/2	R-140-132-140LTFCF	TF140-132-140LOMDCF	OR56.75X3.53X	OR69.44X3.53X	50.0	62.0	222	105	2.02	70
2 1/2	R-140LTFCF	TF140LOMDCF	OR69.44X3.53X	OR69.44X3.53X	62.0	62.0	222	111	2.09	70
3-2 1/2-3	R-148-140-148LTFCF	TF148-140-148LOMDCF	OR69.44X3.53X	OR85.32X3.53X	62.0	77.8	252	118	2.91	70
3	R-148LTFCF	TF148LOMDCF	OR85.32X3.53X	OR85.32X3.53X	77.8	77.8	252	126	3.22	70
3 1/2-3-3 1/2	R-156-148-156LTFCF	TF156-148-156LOMDCF	OR85.32X3.53X	OR98.02X3.53X	77.8	89.8	283	137	4.47	50
3 1/2	R-156LTFCF	TF156LOMDCF	OR98.02X3.53X	OR98.02X3.53X	89.8	89.8	283	140	4.86	50
4-3-4	R-164-148-164LTFCF	TF164-148-164LOMDCF	OR85.32X3.53X	OR110.72X3.53X	77.8	99.8	293	138	4.84	50
4	R-164LTFCF	TF164LOMDCF	OR110.72X3.53X	OR110.72X3.53X	99.8	99.8	293	145	5.37	50
5-4-5	R-180-164-180LTFCF	TF180-164-180LOMDCF	OR110.72X3.53X	OR136.12X3.53X	99.8	124.8	340	157	7.39	50
5	R-180LTFCF	TF180LOMDCF	OR136.12X3.53X	OR136.12X3.53X	124.8	124.8	341	169	8.04	50
6-5-6	R-196-180-196LTFCF	TF196-180-196LOMDCF	OR136.12X3.53X	OR158.34X3.53X	124.8	149.8	426	188	11.49	50
6	R-196LTFCF	TF196LOMDCF	OR158.34X3.53X	OR158.34X3.53X	149.8	149.8	439	218	12.87	50
8-6-8	R-1128-196-1128LTFCF	TF1128-196-1128LOMDCF	OR158.34X3.53X	OR219.3X5.7X	149.8	206.5	528	243	22.66	50
8	R-1128LTFCF	TF1128LOMDCF	OR219.3X5.7X	OR219.3X5.7X	206.5	206.5	529	263	25.58	50
10	R-1160LTFCF	TF1160LOMDCF	OR269.3X5.7X	OR269.3X5.7X	255.0	255.0	612	306	40.16	50

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-124LTFCF
Stainless steel	SS	R-124LTSS