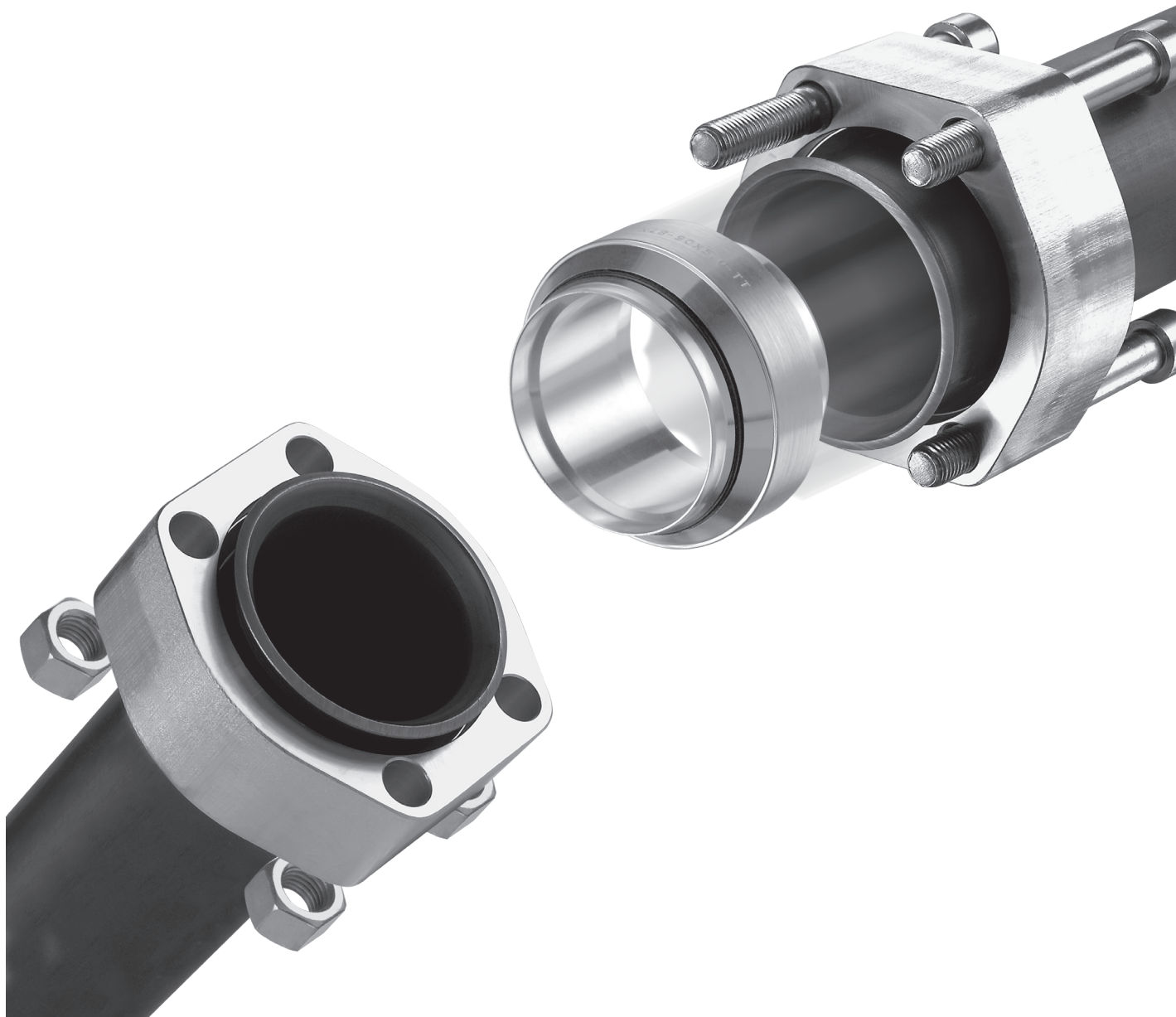


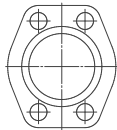
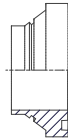
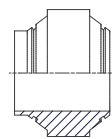
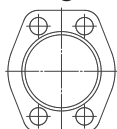
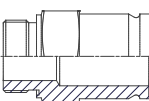
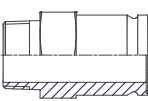
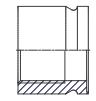
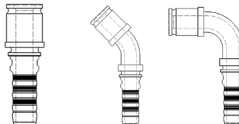
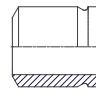
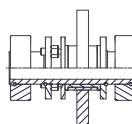
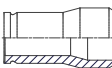
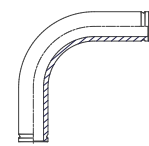
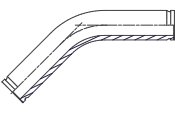
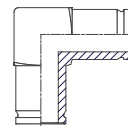
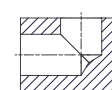
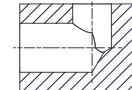
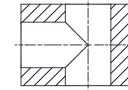
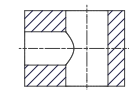
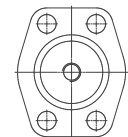
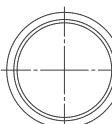
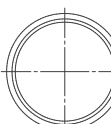
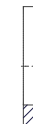
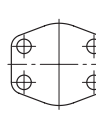
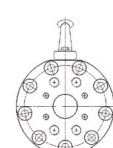
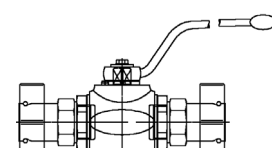
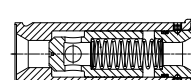


SAE 3000 System

210 – 350 bar

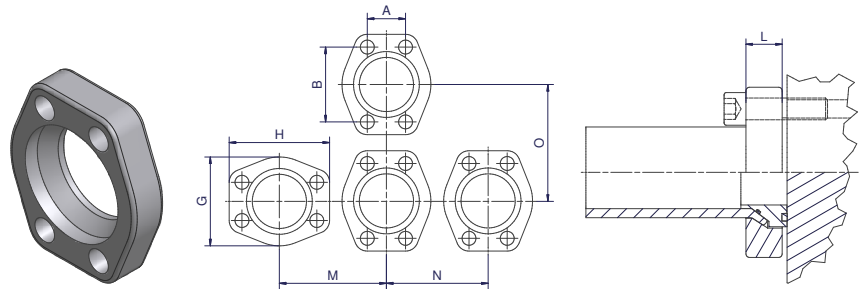
ENGINEERING YOUR SUCCESS.

Programme overview SAE 3000/ISO 6162-1 footprint

Parflange® F37 connection parts	Flanges  F37 – p.65/66				
	Inserts  TFB – p.69	 TFV – p.70	 TT – p.71	 TF – p.72	Sleeve  SL – p.73
Retaining ring connection parts	Flanges  R – p.67				
	 R-Ring – p.74				
	 PSC – p.68				
	Male / Female  MTF-R – p.75		 MTF-N – p.76	 FTF-R – p.77	Hose  Hose – p.78-80
	Weld  WA – p.81/82				
	Tube to Tube  BF – p.83				
SAE connection parts	 VB – p.84				
	 RF – p.85				
	 FB90 – p.86/88				
	 FB45 – p.87/89				
	 LF – p.90				
	 TF – p.91				
	Blocks  LB – p.92				
	 LBR – p.93				
	 TB – p.94				
	 TBR – p.95				
	 BFV – p.96				
Seals Adapter Bolts	Components  BS – p.97				
	 F37S – p.97				
	 AO – p.98				
	 TBT – p.99				
	 AP – p.100				
	Bolts and Nuts  p.101				
Ball valves					
	 KH – p.102/103				
	 KH-R – p.104				
	 RHD-R – p.105				

F37 – Flare flange | SAE 3000/ISO 6162-1 footprint

SAE 3000/ISO 6162-1



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 body (Steel) kg/1 piece	W.P. bar
1/2	F37-308-CFX	17.5	38.1	46	54.0	52	49	56	19	0.17	350
1/2	F37-308/16-CFX*	17.5	38.1	46	54.0	52	49	56	19	0.22	350
1/2	F37-308/20-CFX*	17.5	38.1	46	54.0	52	49	56	19	0.20	350
3/4	F37-312-CFX	22.3	47.6	52	65.0	61	55	68	20	0.25	350
1	F37-316-CFX	26.2	52.4	60	71.0	67	61	72	24	0.30	350
1	F37-316/25-CFX*	26.2	52.4	60	71.0	67	61	72	24	0.45	350
1	F37-316/30-CFX*	26.2	52.4	60	71.0	67	61	72	24	0.39	350
1 1/4	F37-320-CFX	30.2	58.7	68	79.0	78	75	82	22	0.46	280
1 1/4	F37-320/38-CFX*	30.2	58.7	68	79.0	78	75	82	22	0.46	280
1 1/2	F37-324-CFX	35.7	69.9	78	93.0	90	85	96	25	0.68	280
1 1/2	F37-324/42-CFX*	35.7	69.9	78	93.0	90	85	96	25	0.75	280
2	F37-332-CFX	42.9	77.8	97	101.5	102	99	104	33	0.98	280
2 1/2	F37-340-CFX	50.8	88.9	109	115.5	114	111	117	44	1.63	210
3	F37-348-CFX	61.9	106.4	132	135.0	136	133	137	50	2.79	210

Parflange F37 threaded 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 body (Steel) kg/1 piece	W.P. bar
1/2	F37-308T-CFX	17.5	38.1	46	54.0	52	49	56	19	M08	0.17	350
3/4	F37-312T-CFX	22.3	47.6	52	65.0	61	55	68	20	M10	0.25	350
1	F37-316T-CFX	26.2	52.4	60	71.0	67	61	72	24	M10	0.30	350
1	F37-316/30T-CFX*	26.2	52.4	60	71.0	67	61	72	24	M10	0.39	350
1 1/4	F37-320T-CFX	30.2	58.7	68	79.0	78	75	82	22	M10	0.46	280
1 1/4	F37-320/38T-CFX*	30.2	58.7	68	79.0	78	75	82	22	M10	0.46	280
1 1/2	F37-324T-CFX	35.7	69.9	78	93.0	90	85	96	25	M10	0.68	280
2	F37-332T-CFX	42.9	77.8	97	101.5	102	99	104	33	M12	0.98	280
2 1/2	F37-340T-CFX	50.8	88.9	109	115.5	114	111	117	44	M12	1.63	210
3	F37-348T-CFX	61.9	106.4	132	135.0	136	133	137	50	M16	2.87	210

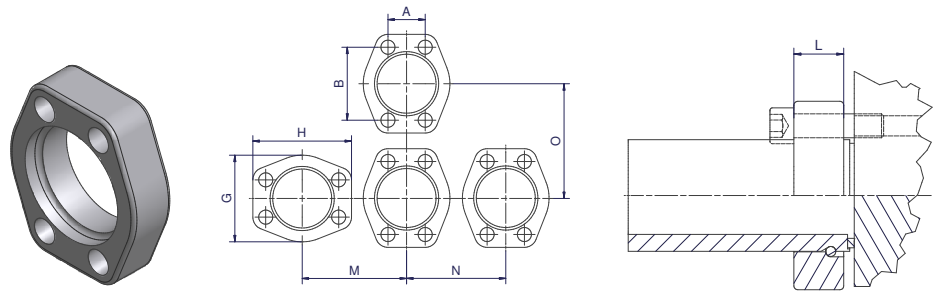
Other sizes / jump sizes on request

Please change suffixes according to material/surface required

Order code suffixes			
Material	Suffix surface and material	Example	Comments
Steel, zinc plated, Cr(VI)-free	CF	F37-320-CFX	
Stainless steel	SS	F37-320-SSX	
Galvanized hot dip zinc	TZN	F37-320-TZNX (Not for threaded flanges available)	on request

R – Retaining ring flange | SAE 3000/ISO 6162-1 footprint

SAE 3000/ISO 6162-1



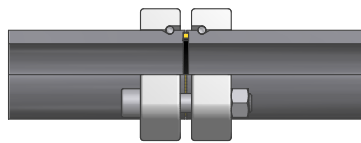
Retaining ring flange dimensions

Size Inch	Order Code	A	B	G	H	M	N	O	L	Weight body (Steel) kg/1 piece	W.P. bar
1/2	R-308-CFX	17.5	38.1	46	54.0	52	49	56	19	0.2	350
3/4	R-312-CFX	22.3	47.6	52	65.0	61	55	68	20	0.2	350
1	R-316-CFX	26.2	52.4	59	70.5	67	61	72	24	0.3	350
1 1/4	R-320-CFX	30.2	58.7	73	80.5	78	75	82	22	0.5	280
1 1/2	R-324-CFX	35.7	69.9	83	94.5	90	85	96	25	0.6	280
2	R-332-CFX	42.9	77.8	97	101.5	102	99	104	33	1.0	280
2 1/2	R-340-CFX	50.8	88.9	109	115.5	114	111	117	44	1.6	210
3	R-348-CFX	61.9	106.4	132	135.0	136	133	137	50	2.5	210

For all sizes also threaded flanges available (...T-CFX)
Schedule sizes 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	CF	R-320-CFX	
Stainless steel	SS	R-320-SSX	
Galvanized hot dip zinc	TZN	R-320-TZNX	on request



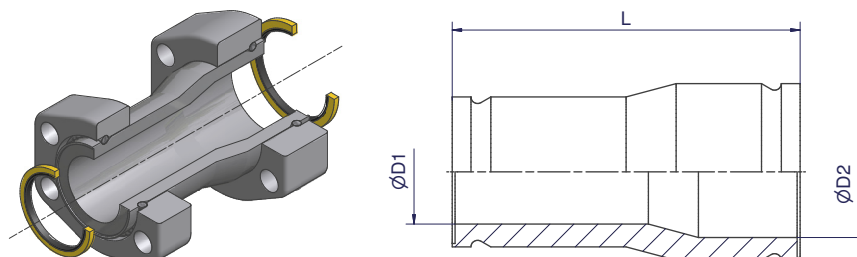
Part combination Bonded seal SAE 3000 connection

Flange pressure (bar)	Size Inch	Pipe Size	Flange	Retaining Ring	Bonded Seal
350	1/2	26X6.0	R-308-CFX	R08X	BS08SNX
	3/4	36X8.0	R-312-CFX	R12X	BS12SNX
	1	39X7.5	R-316-CFX	R16X	BS16SNX
280	1 1/4	46X8.0	R-320-CFX	R20X	BS20SNX
	1 1/2	56X8.5	R-324-CFX	R24X	BS24SNX
	2	66X8.5	R-332-CFX	R32X	BS32SNX
210	2 1/2	80x10.0	R-340-CFX	R40X	BS40SNX
	3	97X12.0	R-348-CFX	R48X	BS48SNX

For recommended bolts and nuts see page 101.

RF – Reducer flange

SAE 3000/ISO 6162-1



Size Inch	Complete Part Order code	Reducer Body Order code	D1	D2	L	Weight body (Steel) kg/1 piece
3/4 - 1/2	R-312-308RFCF	RF12-08CFX	14	20	65	0.3
1 - 1/2	R-316-308RFCF	RF16-08CFX	14	24	100	0.4
1 - 3/4	R-316-312RFCF	RF16-12CFX	20	24	100	0.6
1 1/4 - 1	R-320-316RFCF	RF20-16CFX	24	30	110	0.7
1 1/2 - 1	R-324-316RFCF	RF24-16CFX	24	39	115	0.9
1 1/2 - 1 1/4	R-324-320RFCF	RF24-20CFX	30	39	130	1.1
2 - 1 1/4	R-332-320RFCF	RF32-20CFX	30	49	130	1.3
2 - 1 1/2	R-332-324RFCF	RF32-24CFX	39	49	130	1.4
2 1/2 - 1 1/2	R-340-324RFCF	RF40-24CFX	39	60	150	2.1
2 1/2 - 2	R-340-332RFCF	RF40-32CFX	49	60	150	2.2
3 - 2	R-348-332RFCF	RF48-32CFX	49	73	180	3.4
3 - 2 1/2	R-348-340RFCF	RF48-40CFX	60	73	180	3.7

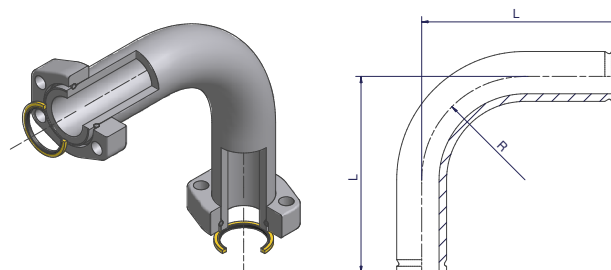
Other sizes on request

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-320-316RFCF
Stainless steel	SS	R-320-316RFSS

FB90 – 90° Flange bend

SAE 3000/ISO 6162-1



Size Inch	Tube	Complete Part Order code	90° Flange Bend Order code	L	R	Weight body (Steel) kg/1 piece
1	39X7.5	R-316FB90S	FB90-16SX	160	98	1.59
1 1/4	46X8.0	R-320FB90S	FB90-20SX	180	96	2.35
1 1/2	56X8.5	R-324FB90S	FB90-24SX	220	116	3.84
2	66X8.5	R-332FB90S	FB90-32SX	275	165	5.72
2 1/2	80X10.0	R-340FB90S	FB90-40SX	370	200	11.20
3	97X12.0	R-348FB90S	FB90-48SX	450	243	19.90

Other sizes on request

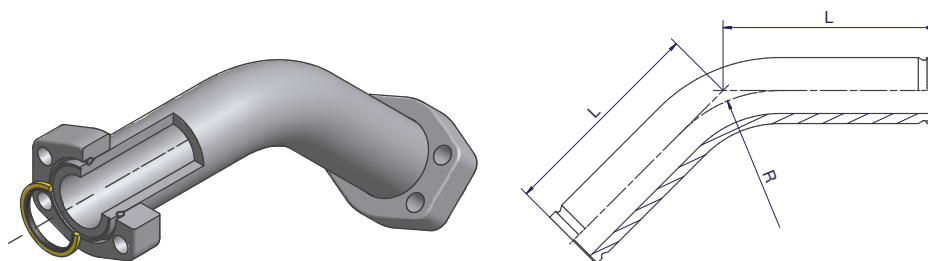
Please change suffixes according to material/surface required

Order code suffixes			
Material	Suffix surface and material	Example	Comments
Steel, zinc plated, Cr(VI)-free	SX	R-320FB90SX	
Stainless steel	SS	R-320FB90SS	on request



FB45 – 45° Flange bend

SAE 3000/ISO 6162-1



Size Inch	Tube	Complete Part Order code	45° Flange Bend Order code	L	R	Weight body (Steel) kg/1 piece
1	39X7.5	R-316FB45S	FB45-16SX	140	80	1.58
1 1/4	46X8.0	R-320FB45S	FB45-20SX	150	96	2.18
1 1/2	56X8.5	R-324FB45S	FB45-24SX	180	116	3.49
2	66X8.5	R-332FB45S	FB45-32SX	220	165	5.16
2 1/2	80X10.0	R-340FB45S	FB45-40SX	240	200	8.07
3	97X12.0	R-348FB45S	FB45-48SX	260	243	12.70

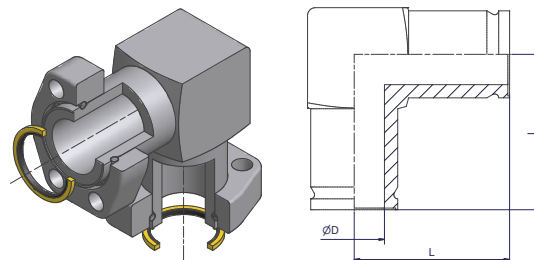
Available on request

Please change suffixes according to material/surface required

Order code suffixes			
Material	Suffix surface and material	Example	Comments
Steel, zinc plated, Cr(VI)-free	SX	FB45-320SX	
Stainless steel	SSX	FB45-320SSX	on request

LF – Elbow flange

SAE 3000/ISO 6162-1



Size Inch	Complete Part Order code	Elbow Flange body Order code	D	L	Weight body (Steel) kg/1 piece
1/2	R-308LFCF	LF08CFX	14	70	0.50
3/4	R-312LFCF	LF12CFX	20	80	1.07
1	R-316LFCF	LF16CFX	24	85	1.32
1 1/4	R-320LFCF	LF20CFX	30	90	1.72
1 1/2	R-324LFCF	LF24CFX	39	100	2.60
2	R-332LFCF	LF32CFX	49	110	4.00
2 1/2	R-340LFCF	LF40CFX	60	140	6.40
3	R-348LFCF	LF48CFX	73	160	10.80

Other sizes on request

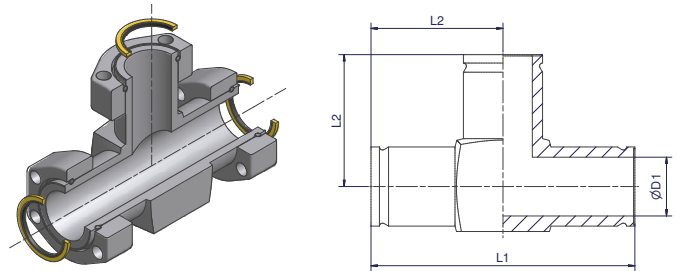
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	R-320LFCF
Stainless steel	SS	R-320LFSS



TF – TEE flange

SAE 3000/ISO 6162-1



Size Inch	Complete Part Order code	Tee Flange body Order code	D1	L1	L2	Weight body (Steel) kg/1 piece
1/2	R-308TFCF	TF08CFX	14	120	60	0.75
3/4	R-312TFCF	TF12CFX	20	130	65	1.60
1	R-316TFCF	TF16CFX	24	140	70	2.00
1 1/4	R-320TFCF	TF20CFX	30	180	90	2.03
1 1/2	R-324TFCF	TF24CFX	39	200	100	3.13
2	R-332TFCF	TF32CFX	49	220	110	4.53
2 1/2	R-340TFCF	TF40CFX	60	260	130	7.05
3	R-348TFCF	TF48CFX	73	320	160	12.81

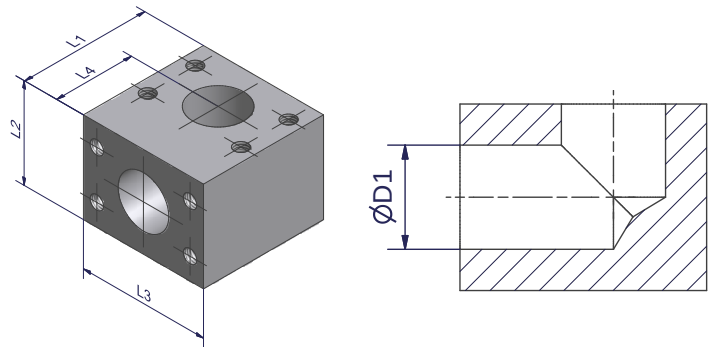
Other sizes on request

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-320TFCF
Stainless steel	SS	R-320TFSS

LB – Flange L-block

SAE 3000/ISO 6162-1



Size Inch	Order code	D1	L1	L2	L3	L4	Weight (Steel) kg/1 piece
1	LB316CFX	25	70	48	70	46	1.5
1 1/4	LB320CFX	30	80	58	80	51	2.4
1 1/2	LB324CFX	38	90	68	90	56	3.4
2	LB332CFX	48	96	78	100	57	4.4
2 1/2	LB340CFX	60	110	88	110	65	6.0
3	LB348CFX	73	135	110	135	80	11.3

Other sizes and custom versions on request

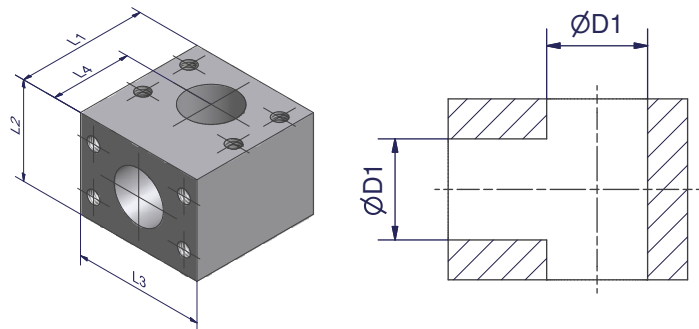
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	LB320CFX
Stainless steel	SS	LB320SSX



TB – Flange T-block

SAE 3000/ISO 6162-1



Size Inch	Order code	D1	L1	L2	L3	L4	Weight (Steel) kg/1 piece
1/2	TB308CFX	13	60	50	60	37	1.2
3/4	TB312CFX	19	68	55	66	44	1.6
1	TB316CFX	25	70	55	70	46	1.6
1 1/4	TB320CFX	30	80	58	80	51	2.2
1 1/2	TB324CFX	38	90	68	90	56	3.1
2	TB332CFX	48	96	78	100	57	3.9
2 1/2	TB340CFX	60	110	88	110	65	5.3
3	TB348CFX	73	135	110	135	80	10.0

Other sizes and custom versions 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	TB320CFX
Stainless steel	SS	TB320SSX

