

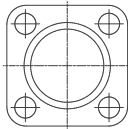





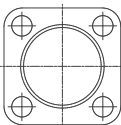
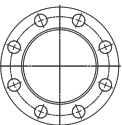



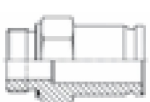


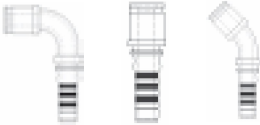

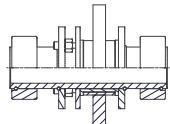
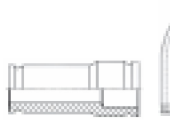


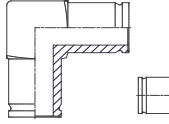
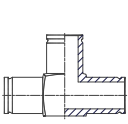
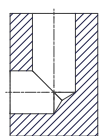
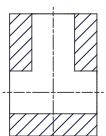
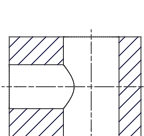
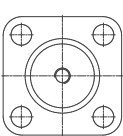


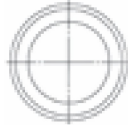




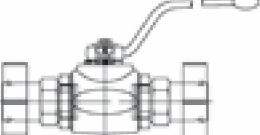
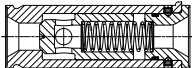


ISO 6164 System

250 – 400 bar

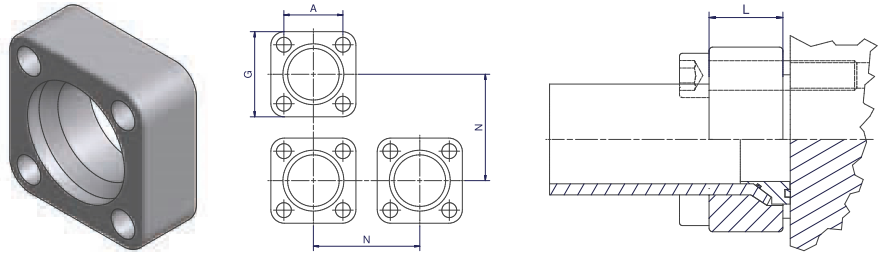
ENGINEERING YOUR SUCCESS.

Programme overview ISO 6164 footprint

Parflange® F37 connection parts	Flanges  F37 – p.160/161				
	Inserts     TFB – p.164 TFV – p.165 TT – p.166 TF – p.167				Sleeve  SL – p.168
Retaining ring connection parts	Flanges     R – p.162 R – p.162 R-Ring – p.169 PSC – p.163				Weld  WA – p.174
	Male / Female    MTF-R – p.170 MTF-N – p.171 FTF-R – p.172		Hose  Hose – p.173		
	Tube to Tube        BF – p.175 VB – p.176 RF – p.177 FB90 – p.178 FB45 – p.179 LF – p.180 TF – p.181				
SAE connection parts	Blocks     LB – p.182 TB – p.183 TBR – p.184 BFV – p.185				
Seals Adapter Bolts	Components     BS – p.186 F37S – p.186 AO – p.187 TBT – p.188				Bolts and Nuts  p.189
Ball valves	    KH – p.190 KH – p.191/192 KH-R – p.193 RHD-R – p.194				

F37 – Flare flange | ISO 6164 footprint

ISO 6164



Parflange F37 flange dimensions

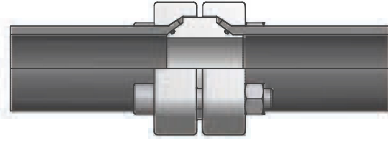
Size Inch	Flange Order code	A	G	N	L	Weight (Steel) kg/1 piece	W.P. bar
2	F37-432-CFX	69.3	100	105	40	1.80	400
2 1/2	F37-440-CFX	83.4	120	125	50	3.00	
2 1/2	F37-44073-CF*	83.4	120	125	50	3.10	
3	F37-448-CFX	102.5	150	155	52	5.40	
3	F37-448909-CF*	102.5	150	155	52	5.29	

* Heavy series (with lockring)

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	F37-432-CFX	
Stainless steel	SS	F37-432-SSX	
Galvanized hot dip zinc	TZN	F37-432-TZNX	on request





Part combination flaring ISO 6164

Flange Pressure (bar)	Size Inch	Pipe Size	Flange ISO 6164	Insert*	F37 Seal	Sleeve	F37 Seal/ Flat Face/ Bonded Seal		Nut
							Bolts Tube to Port	Bolts Tube to Tube	
400	2	50X3.0	F37-432-CFX	IN32-50X3.0T...	F37S32X	SL32-60-50-CFX	4 x ZYLS16X65	4 x ZYLS16X110	4 x ISO4032-M16
	2	50X5.0	F37-432-CFX	IN32-50X5.0T...	F37S32X	SL32-60-50-CFX	4 x ZYLS16X65	4 x ZYLS16X110	4 x ISO4032-M16
	2	50X6.0	F37-432-CFX	IN32-50X6.0T...	F37S32X	SL32-60-50-CFX	4 x ZYLS16X65	4 x ZYLS16X110	4 x ISO4032-M16
	2	60X3.0	F37-432-CFX	IN32-60X3.0T...	F37S32X		4 x ZYLS16X65	4 x ZYLS16X110	4 x ISO4032-M16
	2	60X5.0	F37-432-CFX	IN32-60X5.0T...	F37S32X		4 x ZYLS16X65	4 x ZYLS16X110	4 x ISO4032-M16
	2	60X6.0	F37-432-CFX	IN32-60X6.0T...	F37S32X		4 x ZYLS16X65	4 x ZYLS16X110	4 x ISO4032-M16
	2 1/2	60X3.0	F37-440-CFX	IN40-60X3.0T...	F37S40X	SL40-75-60-CFX	4 x ZYLS20X80	4 x ZYLS20X140	4 x ISO4032-M20
	2 1/2	60X5.0	F37-440-CFX	IN40-60X5.0T...	F37S40X	SL40-75-60-CFX	4 x ZYLS20X80	4 x ZYLS20X140	4 x ISO4032-M20
	2 1/2	60X6.0	F37-440-CFX	IN40-60X6.0T...	F37S40X	SL40-75-60-CFX	4 x ZYLS20X80	4 x ZYLS20X140	4 x ISO4032-M20
	2 1/2	73X7.0	F37-44073-CF	IN40-73X7.0T...	F37S40X		4 x ZYLS20X90	4 x ZYLS20X160	4 x ISO4032-M20
	2 1/2	75X3.0	F37-440-CFX	IN40-75X3.0T...	F37S40X		4 x ZYLS20X80	4 x ZYLS20X140	4 x ISO4032-M20
	2 1/2	75X5.0	F37-440-CFX	IN40-75X5.0T...	F37S40X		4 x ZYLS20X80	4 x ZYLS20X140	4 x ISO4032-M20
	3	75X3.0	F37-448-CFX	IN48-75X3.0T...	F37S48X	SL48-90-75-CFX	4 x ZYLS24X90	4 x ZYLS24X150	4 x ISO4032-M24
	3	75X5.0	F37-448-CFX	IN48-75X5.0T...	F37S48X	SL48-90-75-CFX	4 x ZYLS24X90	4 x ZYLS24X150	4 x ISO4032-M24
	3	90X3.5	F37-448-CFX	IN48-90X3.5T...	F37S48X		4 x ZYLS24X90	4 x ZYLS24X150	4 x ISO4032-M24
	3	90X5.0	F37-448-CFX	IN48-90X5.0T...	F37S48X		4 x ZYLS24X90	4 x ZYLS24X150	4 x ISO4032-M24
	3	90X9.0	F37-448909-CF	IN48-90X9.0T...	F37S48X		4 x ZYLS24X110	4 x ZYLS24X180	4 x ISO4032-M24

Select the complete version:

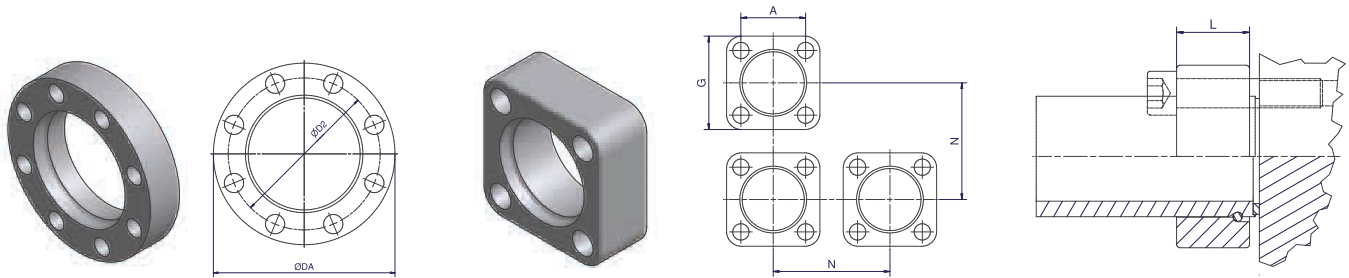
- * ... FBCF Bonded Seal version
- ... FVCF F37 Seal version
- ... TCF Tube to Tube version
- ... FCF Flat Face version

Pressure rates related to flanges
 Other sizes like schedule on request
 Bolts and nuts for flanges see page 189.

Bolts and nuts are not included in a complete part.

R – Retaining ring flange | ISO 6164 footprint

ISO 6164

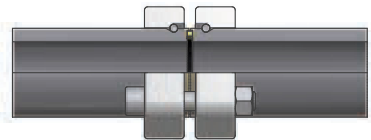


Retaining ring flange dimensions

Size Inch	Flange Order Code	A	G	N	L	Weight (Steel) kg/1 piece	W.P. bar
2	R-432-CFX	69.3	100	105	40	1.60	400
2 1/2	R-440-CFX	83.4	120	125	50	2.90	
3	R-448-CFX	102.5	150	155	52	5.00	
4	R-464-CFX	123.7	180	185	70	9.70	
		D2	DA				
4 1/2	R-872-CFX	175	214		60	8.97	350
5	R-880-CFX	205	245		70	13.44	350
6	R-896-CFX	245	300		80	21.22	350
8	R-8128-CFX	315	385		92	39.27	250
10	R-8160273-CFX	375	450		90	59.31	250

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-432-CFX
Stainless steel	SS	R-432-SSX
Galvanized hot dip zinc	TZN	R-432-TZNX



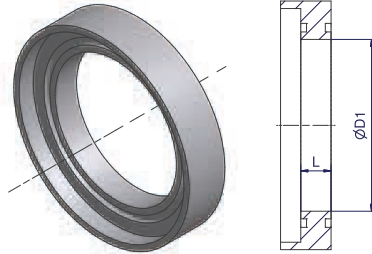
Part combination Bonded seal ISO 6164 connection

Flange pressure (bar)	Size Inch	Pipe Size	Flange	Retaining Ring	Bonded Seal	Bolts Tube to Port	Bolts Tube to Tube	Nut
400	2	66X8,5	R-432-CFX	R32X	BS32SNX	4 x ZYLS16X65	4 x ZYLS16X110	4 x ISO4032-M16
	2 1/2	80X10	R-440-CFX	R40X	BS40SNX	4 x ZYLS20X80	4 x ZYLS20X140	4 x ISO4032-M20
	3	97X12	R-448-CFX	R48X	BS48SNX	4 x ZYLS24X90	4 x ZYLS24X150	4 x ISO4032-M24
	4	115X15	R-464-CFX	R64X	BS64SNX	4 x ZYLS30X120	4 x ZYLS30X190	4 x ISO4032-M30
350	4 1/2	130X15	R-872-CFX	R72X	BS72SNX	8 x ZYLS20X90	8 x ZYLS20X160	8 x ISO4032-M20
	5	150X15	R-880-CFX	R80X	BS80SNX	8 x ZYLS24X110	8 x ZYLS24X190	8 x ISO4032-M24



PSC – Pipe seal carrier | ISO 6164 footprint

ISO 6164

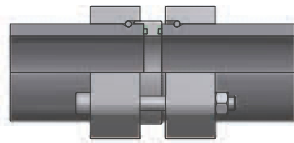


Size Inch	Pipe size	L	D1	Seal carrier	Flange pressure (bar)
2	66X8.5	10,0	49	PSC32-66X8.5VCF	400
2 1/2	80X10	15.0	60	PSC40-80X10VCF	400
3	97X12	15.0	73	PSC48-97X12VCF	400
4	115X15	15.0	85	PSC64-115X15VCF	400
4 1/2	130X15	25.5	100	PSC72-130X15VCF	350
5	150X15	38.0	120	PSC80-150X15VCF	350
6	190X20	40.0	150	PSC96-190X20VCF	350
8	250X25	40.0	200	PSC128-250X25VCF	250
10	273X25.4	40.0	222	PSC160-273X25.4VCF	250

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



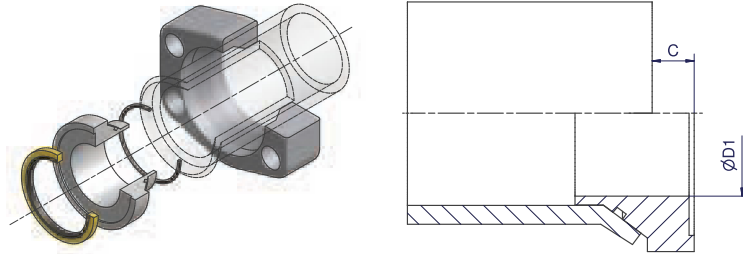
Part combination Pipe seal carrier ISO 6164 connection

Flange pressure (bar)	Size Inch	Pipe Size	Flange	Retaining Ring	Pipe seal carrier	O-Ring	Bolts Tube to Port	Bolts Tube to Tube	Nut
400	2	66X8,5	R-432-CFX	R32X	PSC32-66X8.5VCF	2 x OR55.25X2.62	4 x ZYLS16X75	4 x ZYLS16X110	ISO4032-M16
	2 1/2	80X10	R-440-CFX	R40X	PSC40-80X10VCF	2 x OR66.27X3.53	4 x ZYLS20X100	4 x ZYLS20X140	ISO4032-M20
	3	97X12	R-448-CFX	R48X	PSC48-97X12VCF	2 x OR78.97X3.53	4 x ZYLS24X120	4 x ZYLS24X150	ISO4032-M24
	4	115X15	R-464-CFX	R64X	PSC64-115X15VCF	2 x OR94.84X3.53	4 x ZYLS30X140	4 x ZYLS30X190	ISO4032-M30
350	4 1/2	130X15	R-872-CFX	R72X	PSC72-130X15VCF	2 x OR107.54X3.53	8 x ZYLS20X120	8 x ZYLS20X190	ISO4032-M20
	5	150X15	R-880-CFX	R80X	PSC80-150X15VCF	2 x OR129.77X3.53	8 x ZYLS24X130	8 x ZYLS24X210	ISO4032-M24
	6	190X20	R-896-CFX	R96X	PSC96-190X20VCF	2 x OR158.12X5.33	8 x ZYLS30X160	8 x ZYLS30X220	ISO4032-M30
250	8	250X25	R-8128-CFX	R128X	PSC128-250X25VCF	2 x OR215.27X5.33	8 x ZYLS36X180	8 x ZYLS36X250	ISO4032-M36
	10	273X25,4	R-8160273-CFX	R160X	PSC160-273X25.4VCF	2 x OR234.34X5.33	12 x ZYLS36X180	12 x ZYLS36X250	ISO4032-M36

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							
2	50X3.0	F37-432-50X3.0TFBCF	42	11	IN32-50X3.0TFBCF	BS32SNX	OR44.17X1.78X	2.02
2	50X5.0	F37-432-50X5.0TFBCF	38	10	IN32-50X5.0TFBCF	BS32SNX	OR41X1.78X	2.04
2	50X6.0	F37-432-50X6.0TFBCF	35	10	IN32-50X6.0TFBCF	BS32SNX	OR41X1.78X	2.07
2	60X3.0	F37-432-60X3.0TFBCF	46	12	IN32-60X3.0TFBCF	BS32SNX	OR53.7X1.78X	2.07
2	60X5.0	F37-432-60X5.0TFBCF	46	11	IN32-60X5.0TFBCF	BS32SNX	OR50.52X1.78X	2.04
2	60X6.0	F37-432-60X6.0TFBCF	46	11	IN32-60X6.0TFBCF	BS32SNX	OR47.37X1.78X	2.03
2 1/2	60X3.0	F37-440-60X3.0TFBCF	50	12	IN40-60X3.0TFBCF	BS40SNX	OR53.7X1.78X	3.35
2 1/2	60X5.0	F37-440-60X5.0TFBCF	46	11	IN40-60X5.0TFBCF	BS40SNX	OR50.52X1.78X	3.36
2 1/2	60X6.0	F37-440-60X6.0TFBCF	46	11	IN40-60X6.0TFBCF	BS40SNX	OR47.37X1.78X	3.34
2 1/2	73X7.0	F37-440-73X7.0TFBCF	56	13	IN40-73X7.0TFBCF	BS40SNX	OR63.22X1.78X	3.33
2 1/2	75X3.0	F37-440-75X3.0TFBCF	60	10	IN40-75X3.0TFBCF	BS40SNX	OR69.57X1.78X	3.30
2 1/2	75X5.0	F37-440-75X5.0TFBCF	60	10	IN40-75X5.0TFBCF	BS40SNX	OR63.22X1.78X	3.32
3	75X3.0	F37-448-75X3.0TFBCF	66	10	IN48-75X3.0TFBCF	BS48SNX	OR69.57X1.78X	5.83
3	75X5.0	F37-448-75X5.0TFBCF	62	10	IN48-75X5.0TFBCF	BS48SNX	OR63.22X1.78X	5.99
3	90X3.5	F37-448-90X3.5TFBCF	72	15	IN48-90X3.5TFBCF	BS48SNX	OR82.27X1.78X	6.00
3	90X5.0	F37-448-90X5.0TFBCF	72	14	IN48-90X5.0TFBCF	BS48SNX	OR79X1.78X	5.96
3	90X9.0	F37-448-90X9.0TFBCF	69	17	IN48-90X9.0TFBCF	BS48SNX	OR72.75X1.78X	5.91

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

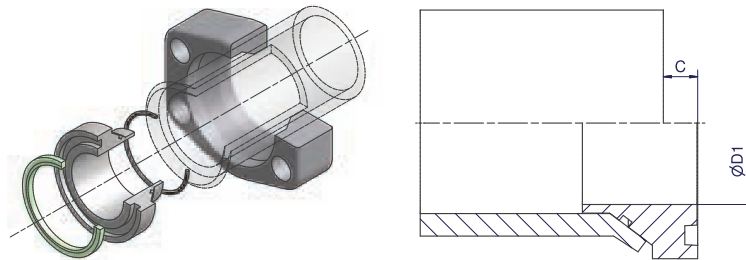
Please change suffixes according to material/surface required

Order code suffixes			
Material	Suffix surface and material	Example	Comments
Steel, zinc plated, Cr(VI)-free	CF	IN24-50X5.0TFBCF	
Stainless steel	SS	IN24-50X5.0TFBSS	



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							
2	50X3.0	F37-432-50X3.0TFVCF	42	11	IN32-50X3.0TFVCF	F3732X	OR44.17X1.78X	2.02
2	50X5.0	F37-432-50X5.0TFVCF	38	10	IN32-50X5.0TFVCF	F3732X	OR41X1.78X	2.04
2	50X6.0	F37-432-50X6.0TFVCF	35	10	IN32-50X6.0TFVCF	F3732X	OR41X1.78X	2.07
2	60X3.0	F37-432-60X3.0TFVCF	46	12	IN32-60X3.0TFVCF	F3732X	OR53.7X1.78X	2.07
2	60X5.0	F37-432-60X5.0TFVCF	46	11	IN32-60X5.0TFVCF	F3732X	OR50.52X1.78X	2.04
2	60X6.0	F37-432-60X6.0TFVCF	46	11	IN32-60X6.0TFVCF	F3732X	OR47.37X1.78X	2.03
2 1/2	60X3.0	F37-440-60X3.0TFVCF	50	12	IN40-60X3.0TFVCF	F3740X	OR53.7X1.78X	3.35
2 1/2	60X5.0	F37-440-60X5.0TFVCF	46	11	IN40-60X5.0TFVCF	F3740X	OR50.52X1.78X	3.36
2 1/2	60X6.0	F37-440-60X6.0TFVCF	46	11	IN40-60X6.0TFVCF	F3740X	OR47.37X1.78X	3.34
2 1/2	73X7.0	F37-440-73X7.0TFVCF	56	13	IN40-73X7.0TFVCF	F3740X	OR63.22X1.78X	3.33
2 1/2	75X3.0	F37-440-75X3.0TFVCF	60	10	IN40-75X3.0TFVCF	F3740X	OR69.57X1.78X	3.30
2 1/2	75X5.0	F37-440-75X5.0TFVCF	60	10	IN40-75X5.0TFVCF	F3740X	OR63.22X1.78X	3.32
3	75X3.0	F37-448-75X3.0TFVCF	66	10	IN48-75X3.0TFVCF	F3748X	OR69.57X1.78X	5.83
3	75X5.0	F37-448-75X5.0TFVCF	62	10	IN48-75X5.0TFVCF	F3748X	OR63.22X1.78X	5.99
3	90X3.5	F37-448-90X3.5TFVCF	72	15	IN48-90X3.5TFVCF	F3748X	OR82.27X1.78X	6.00
3	90X5.0	F37-448-90X5.0TFVCF	72	14	IN48-90X5.0TFVCF	F3748X	OR79X1.78X	5.96
3	90X9.0	F37-448-90X9.0TFVCF	69	17	IN48-90X9.0TFVCF	F3748X	OR72.75X1.78X	5.82

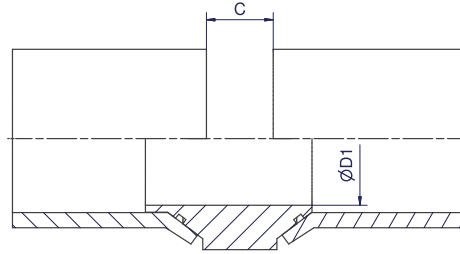
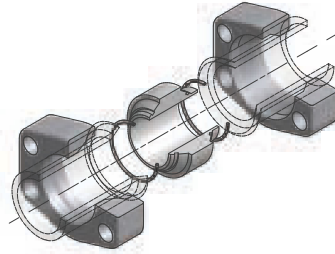
Other sizes on request. *Incl. adapter sleeve or jump size flange if necessary.

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	IN32-50X5.0TFVCF
Stainless steel	SS	IN32-50X5.0TFVSS

TT – Flare Flange Connection

Tube to tube connection



Size		2 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						
2	50X3.0	F37-432-50X3.0TTCF	42	22	IN32-50X3.0TTCF	OR44.17X1.78X	2.22
2	50X5.0	F37-432-50X5.0TTCF	38	20	IN32-50X5.0TTCF	OR41X1.78X	2.33
2	50X6.0	F37-432-50X6.0TTCF	35	20	IN32-50X6.0TTCF	OR41X1.78X	2.38
2	60X3.0	F37-432-60X3.0TTCF	46	24	IN32-60X3.0TTCF	OR53.7X1.78X	2.35
2	60X5.0	F37-432-60X5.0TTCF	46	22	IN32-60X5.0TTCF	OR50.52X1.78X	2.28
2	60X6.0	F37-432-60X6.0TTCF	46	22	IN32-60X6.0TTCF	OR47.37X1.78X	2.27
2 1/2	60X3.0	F37-440-60X3.0TTCF	50	24	IN40-60X3.0TTCF	OR53.7X1.78X	3.35
2 1/2	60X5.0	F37-440-60X5.0TTCF	46	22	IN40-60X5.0TTCF	OR50.52X1.78X	3.36
2 1/2	60X6.0	F37-440-60X6.0TTCF	45	22	IN40-60X6.0TTCF	OR47.37X1.78X	3.34
2 1/2	73X7.0	F37-440-73X7.0TTCF	56	26	IN40-73X7.0TTCF	OR63.22X1.78X	3.33
2 1/2	75X3.0	F37-440-75X3.0TTCF	60	20	IN40-75X3.0TTCF	OR69.57X1.78X	3.30
2 1/2	75X5.0	F37-440-75X5.0TTCF	60	20	IN40-75X5.0TTCF	OR63.22X1.78X	3.32
3	75X3.0	F37-448-75X3.0TTCF	66	20	IN48-75X3.0TTCF	OR69.57X1.78X	5.83
3	75X5.0	F37-448-75X5.0TTCF	62	20	IN48-75X5.0TTCF	OR63.22X1.78X	5.99
3	90X3.5	F37-448-90X3.5TTCF	72	30	IN48-90X3.5TTCF	OR82.27X1.78X	6.00
3	90X5.0	F37-448-90X5.0TTCF	72	28	IN48-90X5.0TTCF	OR79X1.78X	5.96
3	90X9.0	F37-448-90X9.0TTCF	69	34	IN48-90X9.0TTCF	OR72.75X1.78X	5.85

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

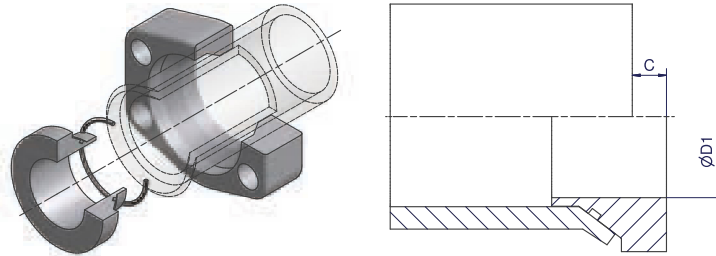
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	IN32-50X5.0TTCF
Stainless steel	SS	IN32-50X5.0TTSS



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						
2	50X3.0	F37-432-50X3.0TFCF	42	11	IN32-50X3.0TFCF	OR44.17X1.78X	2.02
2	50X5.0	F37-432-50X5.0TFCF	38	10	IN32-50X5.0TFCF	OR41X1.78X	2.04
2	50X6.0	F37-432-50X6.0TFCF	35	10	IN32-50X6.0TFCF	OR41X1.78X	2.07
2	60X3.0	F37-432-60X3.0TFCF	46	12	IN32-60X3.0TFCF	OR53.7X1.78X	2.07
2	60X5.0	F37-432-60X5.0TFCF	46	11	IN32-60X5.0TFCF	OR50.52X1.78X	2.04
2	60X6.0	F37-432-60X6.0TFCF	46	11	IN32-60X6.0TFCF	OR47.37X1.78X	2.03
2 1/2	60X3.0	F37-440-60X3.0TFCF	50	12	IN40-60X3.0TFCF	OR53.7X1.78X	3.35
2 1/2	60X5.0	F37-440-60X5.0TFCF	46	11	IN40-60X5.0TFCF	OR50.52X1.78X	3.36
2 1/2	60X6.0	F37-440-60X6.0TFCF	46	11	IN40-60X6.0TFCF	OR47.37X1.78X	3.34
2 1/2	73X7.0	F37-440-73X7.0TFCF	56	13	IN40-73X7.0TFCF	OR63.22X1.78X	3.33
2 1/2	75X3.0	F37-440-75X3.0TFCF	60	10	IN40-75X3.0TFCF	OR69.57X1.78X	3.30
2 1/2	75X5.0	F37-440-75X5.0TFCF	60	10	IN40-75X5.0TFCF	OR63.22X1.78X	3.32
3	75X3.0	F37-448-75X3.0TFCF	66	10	IN48-75X3.0TFCF	OR69.57X1.78X	5.83
3	75X5.0	F37-448-75X5.0TFCF	62	10	IN48-75X5.0TFCF	OR63.22X1.78X	5.99
3	90X3.5	F37-448-90X3.5TFCF	72	15	IN48-90X3.5TFCF	OR82.27X1.78X	6.00
3	90X5.0	F37-448-90X5.0TFCF	72	14	IN48-90X5.0TFCF	OR79X1.78X	5.96
3	90X9.0	F37-448-90X9.0TFCF	69	17	IN48-90X9.0TFCF	OR72.75X1.78X	5.82

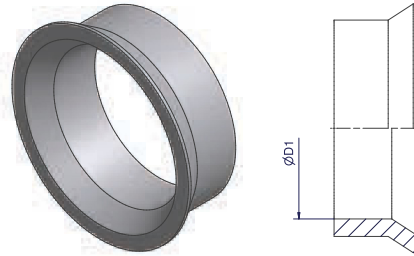
Other sizes on request. *Incl. adapter sleeve or jump size flange if necessary.

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	IN32-50X5.0TFCF
Stainless steel	SS	IN32-50X5.0TFSS

SL – Sleeve

ISO 6164



Size Inch	Tube OD	Order code	D1	Weight (Steel) kg/1 piece
2	50	SL32-60-50-CFX	50.30	0.16
2 1/2	60	SL40-75-60-CFX	60.45	0.36
3	75	SL48-90-75-CFX	75.45	0.52

Please change suffixes according to material/surface required

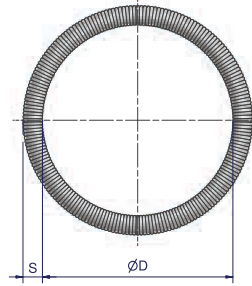
Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	SL24-50-42-CFX
Stainless steel	SS	SL24-50-42-SSX



R – Retaining ring

ISO 6164

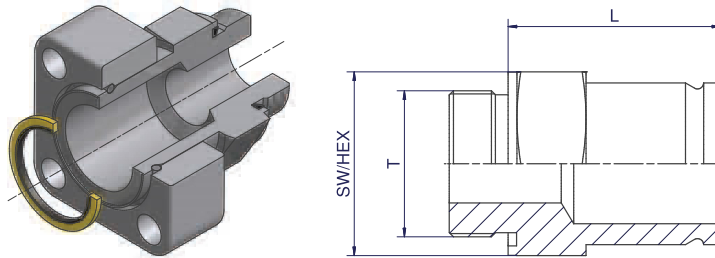
Size Inch	Tube	D	S	Order code
2	66X8.5	61.3	5.0	R32X
2 1/2	80X10.0	75.3	5.0	R40X
3	97X12.0	91.3	6.0	R48X
4	115X15.0	107.3	8.0	R64X
4 1/2	130x15.0	122.3	8.0	R72X
5	150X15.0	142.3	8.0	R80X
6	190x20.0	180.3	10.0	R96X
8	250X25.0	238.3	12.0	R128X
10	273X25.0	261.4	12.0	R160X



Material: Stainless steel

MTF-R – Male thread adapter, BSPP

ISO 6164



Size Inch	Tube	Complete part Order code	Body incl. ED Seal Order code	Weight body (Steel) kg/1 piece	L	T (BSPP)	SW/ HEX
2	66X8.5	R-432MTFRCF	MTF32ROMDCF	1.90	104.0	G 2 A	75

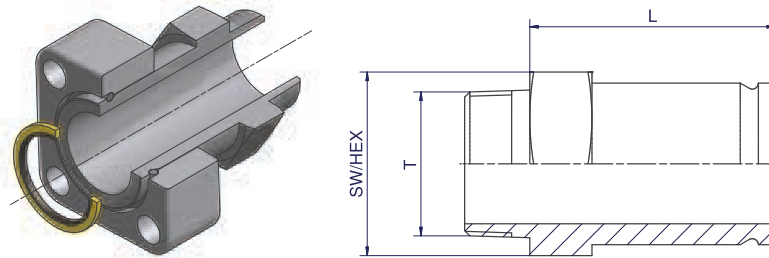
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	R-432MTFRCF
Stainless steel	SS	R-432MTFRSS



MTF-N – Male thread adapter, NPT

ISO 6164



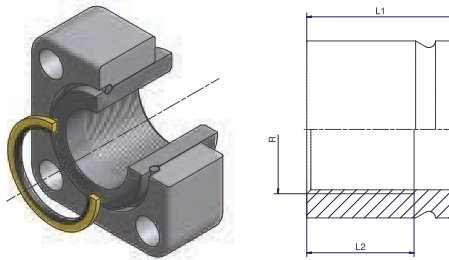
Size Inch	Tube	Complete part Order code	Body incl. ED Seal Order code	Weight body (Steel) kg/1 piece	L	T (NPT)	SW/ HEX
2	66X8.5	R-432MTFNCF	MTF32NCFX	1.40	100.4	2-11.5	75

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-432MTFNCF
Stainless steel	SS	R-432MTFNSS

FTF-R – Female thread adapter, BSPP

ISO 6164



Size Inch	Tube	Complete part Order code	Body Order code	Weight body (Steel) kg/1 piece	L1	L2	R (BSPP)
2	66X8.5	R-432FTFRCF	FTF32RCFX	0.75	55	40	G 1 1/2
2 1/2	80X10	R-440FTFRCF	FTF40RCFX	1.52	80	40	G 2
3	97X12	R-448FTFRCF	FTF48RCFX	2.11	85	50	G 2 1/2

Please change suffixes according to material/surface required



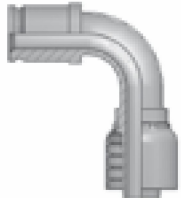
Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	R-432FTFRCF
Stainless steel	SS	R-432FTFRSS






Retaining ring hose couplings

ISO 6164


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)

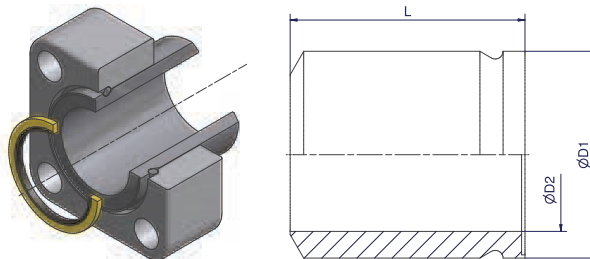
				
Connection		Order code	Order code	Order code
Flange	Hose			
1 1/4	1 1/4	KX5V6-20-20	KX7V6-20-20	KX9V6-20-20
1 1/2	1 1/2	KX5V6-24-24	KX7V6-24-24	KX9V6-24-24
2	2	KX5V6-32-32	KX7V6-32-32	KX9V6-32-32

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

ISO 6164



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
2	48.3X5.6	R-432WA-48.3X5.6S	R32X	BS32SNX	R-432-CFX	WA32-48.3X5.6SX	2.90	66	37	90
2	50X9.0	R-432WA-50X9.0S	R32X	BS32SNX	R-432-CFX	WA32-50X9.0SX	3.11	66	32	90
2	60X3.0	R-432WA-60X3.0S	R32X	BS32SNX	R-432-CFX	WA32-60X3.0SX	2.39	66	49	90
2	60X5.0	R-432WA-60X5.0S	R32X	BS32SNX	R-432-CFX	WA32-60X5.0SX	2.49	66	50	90
2	60X6.0	R-432WA-60X6.0S	R32X	BS32SNX	R-432-CFX	WA32-60X6.0SX	2.60	66	48	90
2	60X8.0	R-432WA-60X8.0S	R32X	BS32SNX	R-432-CFX	WA32-60X8.0SX	2.78	66	44	90
2	60X10.0	R-432WA-60X10.0S	R32X	BS32SNX	R-432-CFX	WA32-60X10.0SX	2.96	66	40	90
2	60.3X2.8	R-432WA-60.3X2.8S	R32X	BS32SNX	R-432-CFX	WA32-60.3X2.8SX	2.37	66	49	90
2	60.3X3.9	R-432WA-60.3X3.9S	R32X	BS32SNX	R-432-CFX	WA32-60.3X3.9SX	2.45	66	49	90
2	60.3X5.5	R-432WA-60.3X5.5S	R32X	BS32SNX	R-432-CFX	WA32-60.3X5.5SX	2.54	66	49	90
2	60.3X8.7	R-432WA-60.3X8.7S	R32X	BS32SNX	R-432-CFX	WA32-60.3X8.7SX	2.84	66	43	90
2	60.3X11.1	R-432WA-60.3X11.1S	R32X	BS32SNX	R-432-CFX	WA32-60.3X11.1SX	3.04	66	38	90
2	66X8.5	R-432WA-66X8.5S	R32X	BS32SNX	R-432-CFX	WA32-66X8.5SX	2.45	66	49	75
2 1/2	65X8.0	R-440WA-65X8.0S	R40X	BS40SNX	R-440-CFX	WA40-65X8.0SX	5.10	80	49	105
2 1/2	65X8.5	R-440WA-65X8.5S	R40X	BS40SNX	R-440-CFX	WA40-65X8.5SX	4.59	80	59	105
2 1/2	73X7.0	R-440WA-73X7.0S	R40X	BS40SNX	R-440-CFX	WA40-73X7.0SX	4.20	80	59	105
2 1/2	75X5.0	R-440WA-75X5.0S	R40X	BS40SNX	R-440-CFX	WA40-75X5.0SX	4.37	80	60	105
2 1/2	76.1X6.3	R-440WA-76.1X6.3S	R40X	BS40SNX	R-440-CFX	WA40-76.1X6.3SX	4.45	80	60	105
2 1/2	76.1X12.5	R-440WA-76.1X12.5S	R40X	BS40SNX	R-440-CFX	WA40-76.1X12.5SX	5.17	80	51	105
2 1/2	80X10.0	R-440WA-80X10.0S	R40X	BS40SNX	R-440-CFX	WA40-80X10.0SX	4.40	80	60	90
3	76.1X12.5	R-448WA-76.1X12.5S	R48X	BS48SNX	R-448-CFX	WA48-76.1X12.5SX	8.18	97	51	120
3	80X10.0	R-448WA-80X10.0S	R48X	BS48SNX	R-448-CFX	WA48-80X10.0SX	8.07	97	60	120
3	88.9X3.1	R-448WA-88.9X3.1S	R48X	BS48SNX	R-448-CFX	WA48-88.9X3.1SX	7.18	97	73	120
3	88.9X5.5	R-448WA-88.9X5.5S	R48X	BS48SNX	R-448-CFX	WA48-88.9X5.5SX	7.47	97	73	120
3	88.9X7.7	R-448WA-88.9X7.7S	R48X	BS48SNX	R-448-CFX	WA48-88.9X7.7SX	7.67	97	74	120
3	88.9X8.8	R-448WA-88.9X8.8S	R48X	BS48SNX	R-448-CFX	WA48-88.9X8.8SX	7.90	97	71	120
3	88.9X11.1	R-448WA-88.9X11.1S	R48X	BS48SNX	R-448-CFX	WA48-88.9X11.1SX	8.34	97	67	120
3	88.9X12.5	R-448WA-88.9X12.5S	R48X	BS48SNX	R-448-CFX	WA48-88.9X12.5SX	8.60	97	64	120
3	88.9X15.2	R-448WA-88.9X15.2S	R48X	BS48SNX	R-448-CFX	WA48-88.9X15.2SX	9.00	97	59	120
3	90X3.5	R-448WA-90X3.5S	R48X	BS48SNX	R-448-CFX	WA48-90X3.5SX	7.19	97	73	120
3	90X5.0	R-448WA-90X5.0S	R48X	BS48SNX	R-448-CFX	WA48-90X5.0SX	7.50	97	73	120
3	90X9.0	R-448WA-90X9.0S	R48X	BS48SNX	R-448-CFX	WA48-90X9.0SX	7.85	97	72	120
3	97X12.0	R-448WA-97X12.0S	R48X	BS48SNX	R-448-CFX	WA48-97X12.0SX	7.65	97	73	110
4	100X4.0	R-464WA-100X4.0S	R64X	BS64SNX	R-464-CFX	WA64-100X4.0SX	13.44	115	85	130
4	101.6X8.1	R-464WA-101.6X8.1S	R64X	BS64SNX	R-464-CFX	WA64-101.6X8.1SX	12.49	115	85	130
4	101.6X16.0	R-464WA-101.6X16.0S	R64X	BS64SNX	R-464-CFX	WA64-101.6X16.0SX	13.73	115	85	120
4	114.3X4.5	R-464WA-114.3X4.5S	R64X	BS64SNX	R-464-CFX	WA64-114.3X4.5SX	14.40	115	80	120
4	114.3X12.5	R-464WA-114.3X12.5S	R64X	BS64SNX	R-464-CFX	WA64-114.3X12.5SX	12.37	115	85	120
4	114.3X17.1	R-464WA-114.3X17.1S	R64X	BS64SNX	R-464-CFX	WA64-114.3X17.1SX	13.90	115	85	120
4	115X4.0	R-464WA-115X4.0S	R64X	BS64SNX	R-464-CFX	WA64-115X4.0SX	12.36	115	85	120
4	115X15.0	R-464WA-115X15.0S	R64X	BS64SNX	R-464-CFX	WA64-115X15.0SX	13.87	115	85	120
4 1/2	130X15	R-872WA-130X15.0S	R72X	BS72SNX	R-872-CFX	WA72-130X15SX	14.02	130	100	125
5	150X15	R-880WA-150X15.0S	R80X	BS80SNX	R-880-CFX	WA80-150X15SX	18.55	150	120	110
6	190x20	R-896WA-190X20.0S	R96X	PSC96-190x20CFX	R-896-CFX	WA96-190x20.0SX	32.70	190	150	175

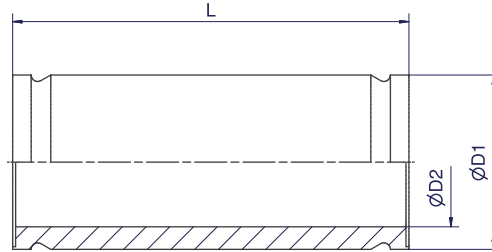
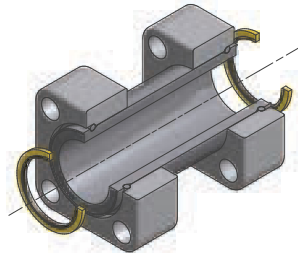
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel	S	R-432WA-66X8.5S
Stainless steel	SS	R-432WA-66X8.5SS



BF – Bulkhead flange

ISO 6164



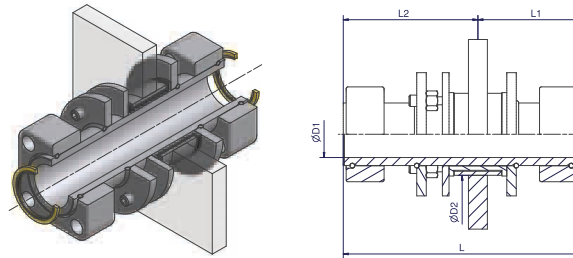
Size Inch	D1	D2	L	Complete Part Order code	Bulkhead Body Order code	Weight body (Steel) kg/1 piece
1 1/2	56	39	180	R-424BFS	BF24SX	1.75
2	66	49	210	R-432BFS	BF32SX	2.45
2 1/2	80	60	220	R-440BFS	BF40SX	3.70
3	97	73	240	R-448BFS	BF48SX	7.85
4	115	85	260	R-464BFS	BF64SX	9.35
5	150	120	260	R-880BFS	BF80SX	10.53

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel	S	R-432BFS
Stainless steel	SS	R-432BFSS

VB – Vibra bulkhead

ISO 6164



Size Inch	Tube	D1	D2	L	L1	L2	Complete Part Order code	Weight (Steel) kg/1 piece
2	66X8.5	66	86.5	250	110	140	R-432VBCF	6.52
2 1/2	80X10	80	100.5	260	115	145	R-440VBCF	9.32
3	97X12	97	117.5	280	125	155	R-448VBCF	16.12
4	115X15	115	135.5	300	135	165	R-464VBCF	27.62

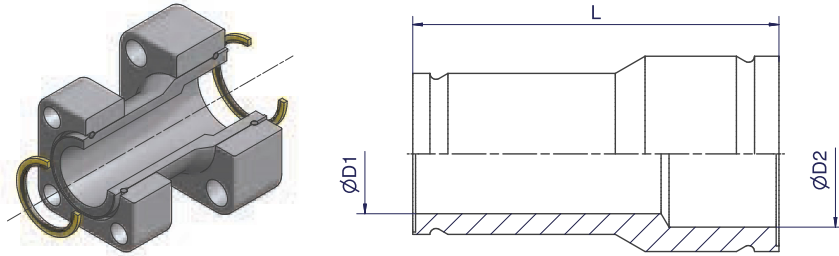
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	R-432VBCF
Stainless steel	SS	R-432VBSS



RF – Reducer flange

ISO 6164



Size Inch	D1	D2	L	Complete Part Order code	Reducer Body Order code	Weight body (Steel) kg/1 piece
2 - 1 1/4	30	49	130	R-432-420RFCF	RF32-20CFX	1.3
2 - 1 1/2	39	49	130	R-432-424RFCF	RF32-24CFX	1.4
2 1/2 - 1 1/2	39	60	150	R-440-424RFCF	RF40-24CFX	2.1
2 1/2 - 2	49	60	150	R-440-432RFCF	RF40-32CFX	2.2
3 - 2	49	73	180	R-448-432RFCF	RF48-32CFX	3.4
3 - 2 1/2	60	73	180	R-448-440RFCF	RF48-40CFX	3.7
4 - 3	73	85	200	R-464-448RFCF	RF64-48CFX	6.1
5 - 3	73	120	200	R-880-448RFCF	RF80-48CFX	8.0

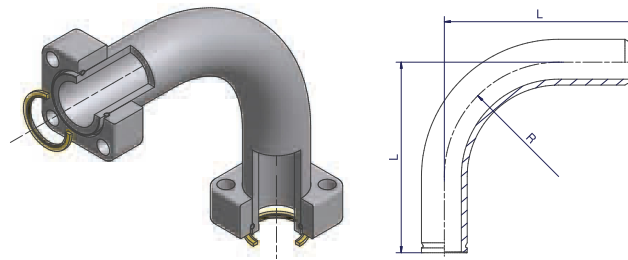
Other sizes on request

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-432-424RFCF
Stainless steel	SS	R-432-424RFSS

FB90 – 90° Flange bend

ISO 6164



Size Inch	Tube	L	R	Complete Part Order code	90° Flange Bend Order code	Weight body (Steel) kg/1 piece
2	66X8.5	275	165	R-432FB90S	FB90-32SX	5.72
2 1/2	80X10.0	370	200	R-440FB90S	FB90-40SX	11.20
3	97X12	450	243	R-448FB90S	FB90-48SX	19.90

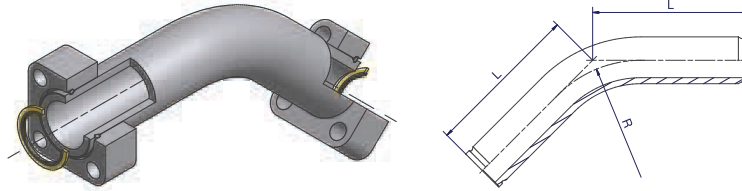
Please change suffixes according to material/surface required

Order code suffixes			
Material	Suffix surface and material	Example	Comments
Steel, zinc plated, Cr(VI)-free	S	R-432FB90S	
Stainless steel	SS	R-432FB90SS	on request



FB45 – 45° Flange bend

ISO 6164



Size Inch	Tube	L	R	Complete Part Order code	45° Flange Bend Order code	Weight body (Steel) kg/1 piece
2	66X8.5	220	165	R-432FB45S	FB45-32SX	5.16
2 1/2	80X10.0	240	200	R-440FB45S	FB45-40SX	8.07
3	97X12	260	243	R-448FB45S	FB45-48SX	12.70

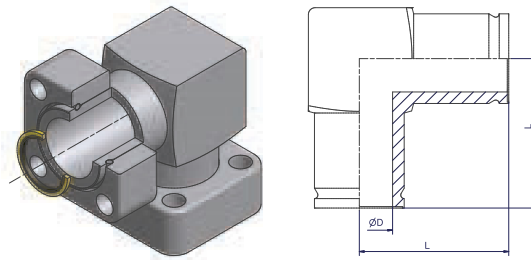
Available on request

Please change suffixes according to material/surface required

Order code suffixes			
Material	Suffix surface and material	Example	Comments
Steel, zinc plated, Cr(VI)-free	S	R-432FB45S	
Stainless steel	SS	R-432FB45SS	on request

LF – Elbow flange

ISO 6164



Size Inch	D	L	Complete Part Order code	Elbow Flange body Order code	Weight body (Steel) kg/1 piece
2	49	110	R-432LFCF	LF32CFX	4.02
2 1/2	60	130	R-440LFCF	LF40CFX	5.79
3	73	160	R-448LFCF	LF48CFX	10.76

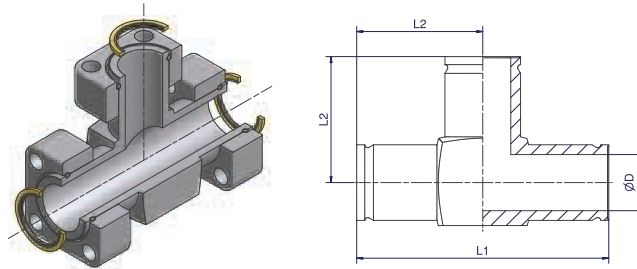
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	R-432LFCF
Stainless steel	SS	R-432LFSS



TF – TEE flange

ISO 6164



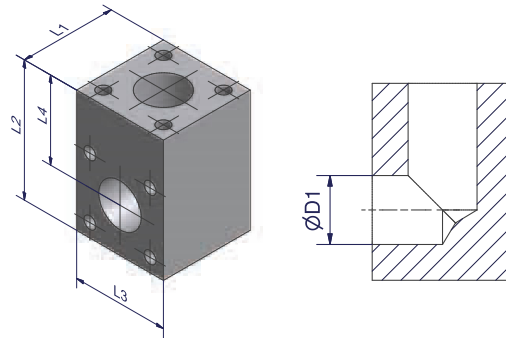
Size Inch	D	L1	L2	Complete Part Order code	Tee Flange body Order code	Weight body (Steel) kg/1 piece
2	49	220	110	R-432TFCF	TF32CFX	4.53
2 1/2	60	260	130	R-440TFCF	TF40CFX	8.70
3	73	320	160	R-448TFCF	TF48CFX	12.81

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-432TFCF
Stainless steel	SS	R-432TFSS

LB – Flange L-block

ISO 6164



Size Inch	D1	L1	L2	L3	L4	Weight (Steel) kg/1 piece	Order code
2	50	100	140	100	90	8.72	LB432CFX
2 1/2	60	120	160	120	100	14.10	LB440CFX
3	73	150	200	150	125	28.10	LB448SX
4	99	180	240	180	150	48.80	LB464SX

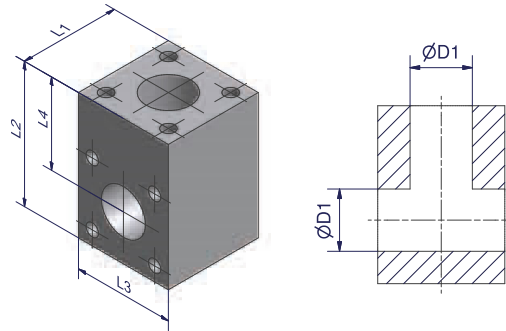
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	LB432CFX
Steel	S	LB432SX
Stainless steel	SS	LB432SSX



TB – Flange T-block

ISO 6164



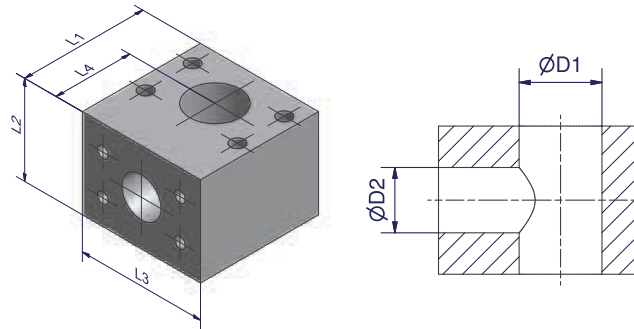
Size Inch	D1	L1	L2	L3	L4	Weight (Steel) kg/1 piece	Order code
2	49	100	140	100	90	8.03	TB432CFX
2 1/2	60	120	160	120	100	12.90	TB440CFX
3	73	150	200	150	125	25.80	TB448SX
4	85	180	240	180	150	40.70	TB464SX
5	120	260	300	260	170	122.0	TB880SX

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	TB432CFX
Steel	S	TB432SX
Stainless steel	SS	TB432SSX

TBR – Flange T-block reducer

ISO 6164



Size Inch	D1	D2	L1	L2	L3	L4	Weight (Steel) kg/1 piece	Order code
2 1/2 - 2	60	49	150	100	120	90	10.2	TBR440-432-440CFX
3 - 2 1/2	73	60	185	120	150	110	19.2	TBR448-440-448CFX
3 - 2	73	49	175	100	150	100	15.2	TBR448-432-448CFX
4 - 3	85	73	225	180	180	135	35.2	TBR464-448-464SX
4 - 2 1/2	85	60	215	120	180	125	26.9	TBR464-440-464SX
4 - 2	85	49	200	100	180	110	21.0	TBR464-432-464SX

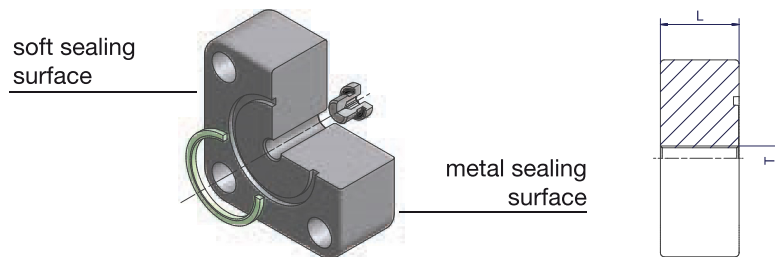
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	TBR448-432-448CFX
Steel	S	TBR448-432-448SX
Stainless steel	SS	TBR448-432-448SSX



BFV – Blind flange

ISO 6164



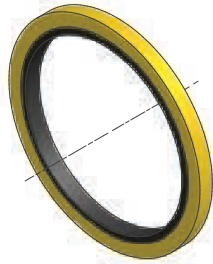
Size Inch	L	T	Weight (Steel) kg/1 piece	Flange incl. VSTI-ED and F37 Seal Order code
2	40.0	G 1/4	2.75	F37-432BFVCF
2 1/2	50.0	G 1/4	4.90	F37-440BFVCF
3	52.0	G 1/4	8.15	F37-448BFVCF
4	70.0	G 1/4	11.55	F37-464BFVCF
5	50.0	G 1/4	16.74	F37-880BFVCF

Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	F37-432BFVCF
Stainless steel	SS	F37-432BFVSS

BS – Bonded seal

ISO 6164

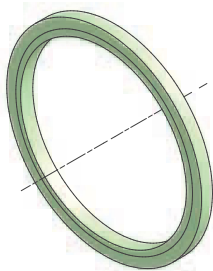


Size Inch	Steel	Stainless Steel
2	BS32SNX	BS32SSNX
2 1/2	BS40SNX	BS40SSNX
3	BS48SNX	BS48SSNX
4	BS64SNX	BS64SSNX
5	BS80SNX	BS80SSNX

Sealing: NBR
Other sealing materials like FKM on request

F37S – F37 Seal

ISO 6164



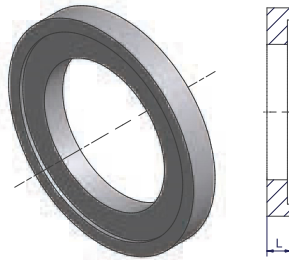
Size Inch	F37 Seal
2	F37S32X
2 1/2	F37S40X
3	F37S48X
4	F37S64X
5	F37S80X

Sealing: Polyurethane
Material properties and applications see page 18



A0 – Adapter bonded seal/F37 seal/O-Ring

ISO 6164



Size Inch	L	Weight (Steel) kg/1 piece	Adapter* Order code
2	7	0.10	AO32CFX
2 1/2	7	0.14	AO40CFX
3	7	0.20	AO48CFX
4	7	0.35	AO64CFX
5	7	0.32	AO80CFX

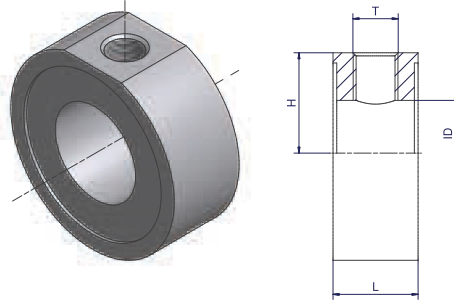
*Part excluding seals

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

ISO 6164



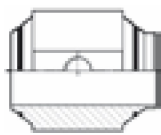
Size Inch	L	H	T	ID	Bolt ISO 4762	Weight (Steel) kg/1 piece	Order code
2	25	35	G 1/4	41	ZYLS12X110	0.51	TBT32-1/4CFX
2	40	34	G 1/2	38	ZYLS12X130	0.87	TBT32-1/2CFX
2 1/2	30	42	G 1/4	60	ZYLS12X150	0.63	TBT40-1/4CFX
3	30	50	G 1/4	72	ZYLS12x150	0.90	TBT48-1/4CFX

*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	TBT32-1/2CFX
Stainless steel	SS	TBT32-1/2SSX



Bolts and nuts for flange

ISO 6164



F37 Flare Flange

Size Inch	Flange	F37 Seal / Flat Face / Bonded Seal		Nut
		Bolts Tube to Port	Bolts Tube to Tube	
2	F37-432-CFX	4 x ZYLS16X65	4 x ZYLS16X110	4 x ISO4032-M16
2 1/2	F37-440-CFX	4 x ZYLS20X80	4 x ZYLS20X140	4 x ISO4032-M20
3	F37-448-CFX	4 x ZYLS24X90	4 x ZYLS24X150	4 x ISO4032-M24

Retaining Ring Flange

Size Inch	Flange	Flat Face / Bonded Seal		Nut
		Bolts Tube to Port	Bolts Tube to Tube	
2	R-432-CFX	4 x ZYLS16X65	4 x ZYLS16X110	4 x ISO4032-M16
2 1/2	R-440-CFX	4 x ZYLS20X80	4 x ZYLS20X140	4 x ISO4032-M20
3	R-448-CFX	4 x ZYLS24X90	4 x ZYLS24X150	4 x ISO4032-M24
4	R-464-CFX	4 x ZYLS30X120	4 x ZYLS30X190	4 x ISO4032-M30
4 1/2	R-872-CFX	8 x ZYLS20X90	8 x ZYLS20X160	8 x ISO4032-M20
5	R-880-CFX	8 x ZYLS24X110	8 x ZYLS24X190	8 x ISO4032-M24
6	R-896-CFX	8 x ZYLS30X160	8 x ZYLS30X230	8 x ISO4032-M30
8	R-8128-CFX	8 x ZYLS36X170	8 x ZYLS36X250	8 x ISO4032-M36
10	R-8160273-CFX	12 x ZYLS36X180	12 x ZYLS36X250	12 x ISO4032-M36

Bolts and nuts must be ordered separately

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

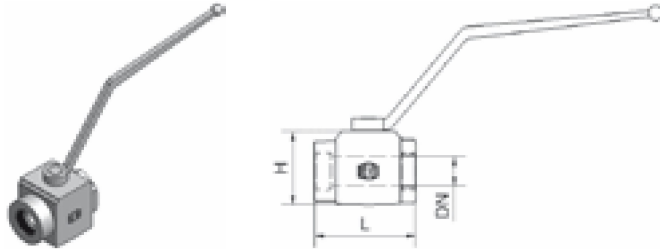
Please add the suffixes according to the bolt quality

Quality	Steel		Stainless Steel
	8.8	10.9	
Bolt	ZYLS16X60X	ZYLS16X60109X	ZYLS16X60A4-80X
Nut	ISO-4032-M12-8VZX	ISO-4032-M12-10X	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
2	50	129	104	KH2X	5	400

Please change suffixes according to material/surface required

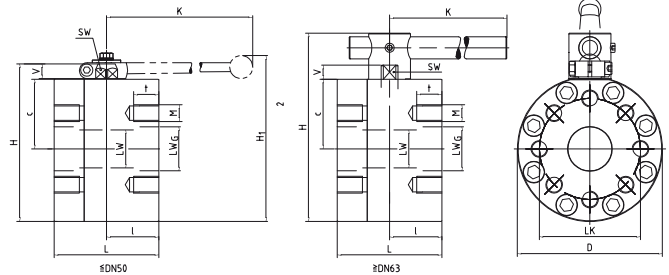
Order code suffixes			
Material	Suffix surface and material	Example	Comments
Steel, zinc plated, Cr(VI)-free	CF	KH2CFX	only ball valve
Steel		KH2X	only ball valve
Stainless steel	71	KH271X	only ball valve

	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 ISO 6164 flanges

ISO 6164



Material Steel

Order Code	PN (bar)	DN	LW	LWG	L	I	D	H	c	V	K	SW	LK	M1	t	H1	Material Code	Lever	Weight kg
KH432-38CF	400	50	38	35	116	58	198	210	94	17	320	17	98	4x M16	24.5	219	212A	Al	24.90
KH432-48CF	400	50	48	43	116	58	198	210	94	17	320	17	98	4x M16	25.5	219	282A	Al	24.90
KH440-48CF	400	56	48	53	123	58	198	210	94	17	320	17	118	4x M20	31.0	219	282A	Al	26.60
KH448-63CF	350	65	65	63	150	75	208	270	100	20	600	16	145	4x M24	36.0	-	282A	St	36.00
KH464-76CF	350	80	76	76	140	70	215	279	100	26	600	19	175	4x M30	35.0	-	282A	St	34.26
KH872-100CF	350	100	100	100	170	75	260	327	122	26	900	24	175	8x M20	28.0	-	282A	St	70.00
KH880-118CF	350	125	118	118	210	110	300	379	140	32	900	36	205	8x M24	36.0	-	282A	St	209.00
KH896-150CF	350	150	150	150	285	130	390	475	190	32	900	36	245	8x M30	46.0	-	282A	St	225.00
KH8128-200CF	350	200	192	200	378	150	456	598	223	61	940	46	315	8x M36	55.0	-	282A	St	395.00

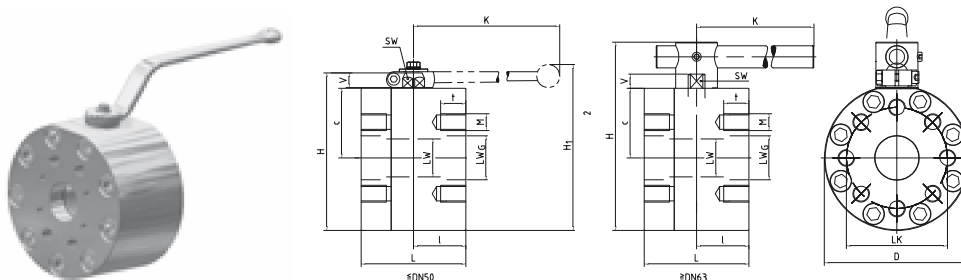
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	KH432-38CF
Stainless steel	SS	KH432-38SS

	Material	
	212A	282A
Body	Steel	Steel
Ball	Steel	Steel
Stem	Steel	Stainless Steel
Ball seats	POM	POM
O-Ring	NBR	NBR
Tmin / T max	-10°C / 100°C	-30°C / 100°C

KH – Ball valve drilled and tapped for ISO 6164 flanges

ISO 6164



Material Stainless Steel

Order Code	PN (bar)	DN	LW	LWG	L	I	D	H	c	V	K	SW	LK	M1	t	H1	Lever	Weight kg
KH432-38SS	400	50	38	35	116	58	198	210	94	17	320	17	98	4x M16	25.5	219	Al	24.90
KH432-48SS	400	50	48	43	116	58	198	210	94	17	320	17	98	4x M16	25.5	219	Al	24.90
KH440-48SS	400	56	48	53	123	58	198	210	94	17	320	17	118	4x M20	31.0	219	Al	26.60
KH448-63SS	350	65	65	63	150	75	208	270	100	20	600	16	145	4x M24	36.0	-	St	36.00
KH464-76SS	350	80	76	76	140	70	215	279	100	26	600	19	175	4x M30	35.0	-	St	34.26
KH464-88SS	350	90	88	88	200	100	258	326	122	26	900	24	160	4x M24	40.0	-	St	53.00
KH872-100SS	350	100	100	100	170	75	260	327	122	26	900	24	175	8x M20	28.0	-	St	70.00
KH880-118SS	350	125	118	118	210	110	300	379	140	32	900	36	205	8x M24	36.0	-	St	209.00
KH896-150SS	350	150	132	132	285	130	390	475	190	32	900	36	245	8x M30	46.0	-	St	225.00
KH896-150SS	350	150	150	150	285	130	390	475	190	32	900	36	245	8x M30	46.0	-	St	225.00
KH128-200SS	350	200	192	200	378	150	456	598	223	61	940	46	315	8x M36	55.0	-	St	395.00

Please change suffixes according to material/surface required

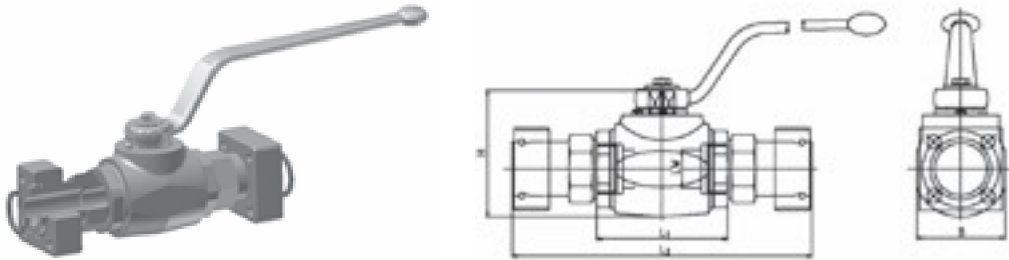
Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	KH432-38CF
Stainless steel	SS	KH432-38SS

	Material 442A
Body	Stainless Steel
Ball	Stainless Steel
Stem	Stainless Steel
Ball seats	POM
O-Ring	NBR
Tmin / T max	-30°C / 100°C



KH-R – Ball valve with ISO 6164 flanges

ISO 6164



Material Steel

Size Inch	LW	L1	L2	B	H	Complete part Order code	Valve body Order code	Weight (Steel) kg/1 piece	W.P. bar
2	48	140	348.0	118	138	KH-R-432-48CF	KH-R-32-48CF	15.2	400

Material Stainless Steel

Size Inch	LW	L1	L2	B	H	Complete part Order code	Valve body Order code	Weight (Steel) kg/1 piece	W.P. bar
2	48	140	348.0	132	145	KH-R-432-48SS	KH-R-32-48SS	17.3	400

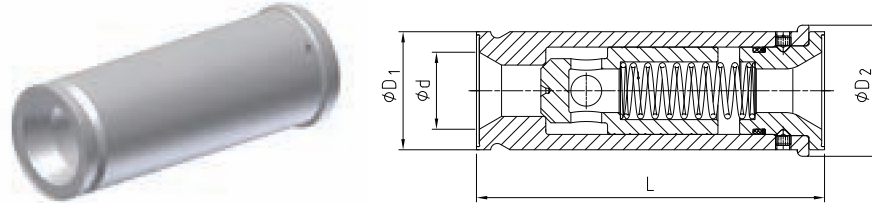
Please change suffixes according to material/surface required

Order code suffixes		
Material	Suffix surface and material	Example
Steel, zinc plated, Cr(VI)-free	CF	KH-R-432-48CF
Stainless steel	SS	KH-R-432-48SS

	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

ISO 6164



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
2	180.1	66	70.5	49	RHD-R-432-0.5BCF	RHD-R-32-0.5BCF	2.54	420
2 1/2	190.0	80	84.5	60	RHD-R-440-0.5BCF	RHD-R-40-0.5BCF	3.89	

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-32-0.5BCF
Stainless steel	SS	RHD-R-32-0.5BSS

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

