

FLANGE SYSTEM

ФЛАНЦЕВАЯ СИСТЕМА





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NON-WELDED SYSTEM „FLANGE SYSTEM“

OLEUM FLEX d.o.o. produces and markets elements for piping connection system without welding according to our own project and design. We call it the FLANGE SYSTEM.

FLANGE SYSTEM is based on flange connections to provide a durable leak-free high-pressure piping system.

This system is suitable for use on all pipeline systems where high media cleanliness and precision performance is required, as well as a fast-complete pipeline construction readiness.

We recommend FLANGE SYSTEM for following applications:

- Hydraulic low, middle, and high-pressure systems,
- High-pressure cleaning pipelines, pneumatic installations, lubrication and oil systems,
- Oil industry (onshore and offshore), shipbuilding industry, petrochemical industry, chemical and food industry.

We produce the FLANGE SYSTEM in two different, non-welded system constructions:

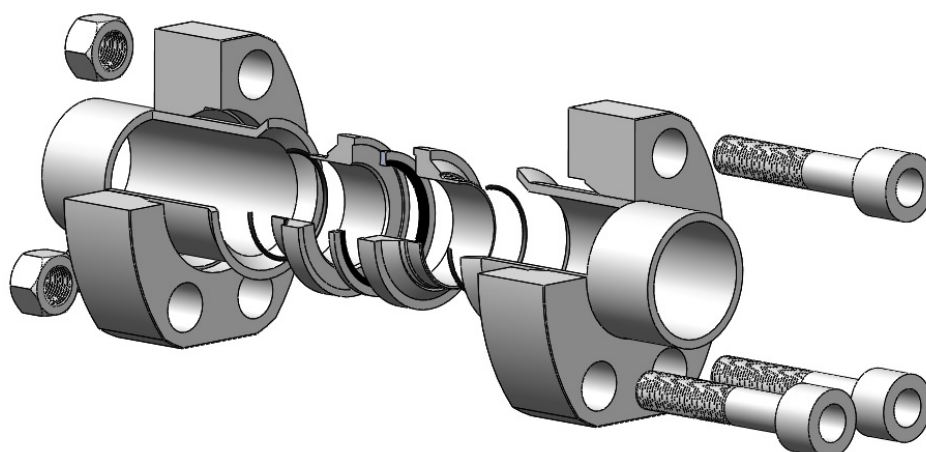
- **37° Flange System**
- **Retain Ring System**

For maximum working pressures divided in three groups:

- Working pressure up to 50 bar
- Working pressure up to 210 bar (3000 psi)
- Working pressure up to 420 bar (6000 psi)

For all items we produce in the programme we can provide and secure inspection certificates of classification IACS member companies, such as:

CRS, RS, LR's, DNV-GL, BV, RINA, ABS with production certificates according to DIN EN 10204 3.1



37° Flare Flange System

37° Flare Flange System can be mostly used in low, middle, and high-pressure hydraulic applications in different fields of industry such as Oil & Gas industry (onshore and offshore), shipbuilding industry, automotive industry, mining industry, petrochemical industry, and many others.

37° Flare Flange System is suitable for hydraulic, lubrication, hydrocarbons, high-pressure air, mud cement, high-pressure water cleaning systems as well as other piping systems where high media cleanliness and precision performance is required, as well as a fast-complete pipeline construction readiness.

37° Flare Flange System is basically safer and more reliable than other types of fittings connections, especially where high vibration and different type of high-pressure stainless steel material are needed.

In the **37° Flare Flange System** the end of the pipe is formed on a flaring machine for forming the ends of the pipes, where a conical rotating tool flares the pipe end into a 37° cone. An insert is placed on each pipe end with a seal between the flanges, and the flanges are then connected with screws.

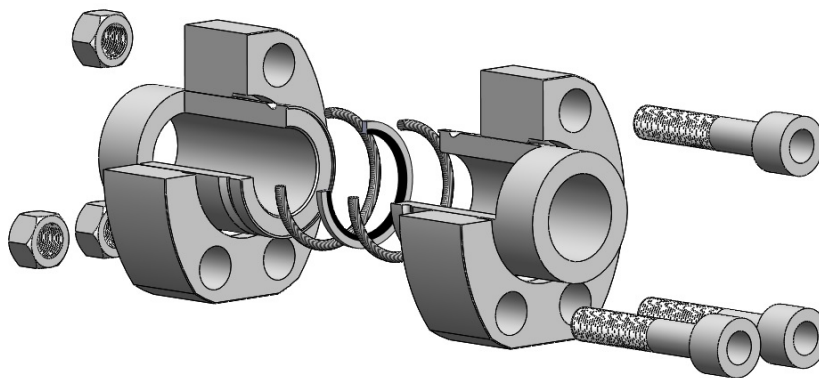
The **37° Flare Flange Connection** is constructed as follows:

- The 37° cone system flange is fitted on the pipe
- The pipe end is flared to a 37° cone
- The insert ring is inserted onto the pipe ends
- A soft seal is placed between the pipe ends
- The flange screws are fixing the complete connection

The **37° Flare Flange System** is used for high-pressure piping systems with a maximum allowable working pressure up to 420 bar (6000 psi). The system is mostly used with working pressures in the range from 160 up to 320 bar.

All Type approval test programs, especially the Vibration testing confirm that **37° Flare Flange System** is perfectly suitable for high-pressure piping systems in a different range of material quality, from steel to stainless steel.

	SAE 50	SAE 3000	SAE 6000
Working pressure	50 bar	210 - 350 bar	420 bar
Pipe size, mm	50x3,0 up to 273x6,0	16x2,0 up to - 90x5,0 mm	16x2,0 mm - 90x9,0 mm
Flange size	1 1/2" - 10"	1/2" - 3"	1/2" - 3"
Pipe material	Carbon steel, galvanised steel ST52, Cr(6) free, Duplex, stainless steel AISI 316L		
Flange material	Electric zinc coated carbon steel ST52 Cr(6) free, Duplex, stainless steel AISI 316L		
Seal material	Viton, NBR		



Retain Ring Flange System

Retain Ring Flange System can be mostly used in low, middle, and high-pressure hydraulic installations in different fields of industry like Oil & Gas (onshore and offshore), shipbuilding industry, automotive industry, mining industry, petrochemical industry, and many others.

Retain Ring Flange System is suitable for hydraulic, lubrication, hydrocarbons, high-pressure air, mud cement, high-pressure water cleaning systems as well as other piping systems where high media cleanliness and precision performance is required, as well as a fast-complete pipeline construction readiness.

Retain Ring Flange System is basically safer and more reliable than other types of fittings connections, especially where high vibration and different type of high-pressure stainless steel material are needed.

In the **Retain Ring Flange System**, flanges are fixed on the pipe by a "retain ring", a stainless steel ring (spring that sits in a machined groove on pipe ends).

The **Retain Ring Flange System** connection is constructed as follows:

- Pipe ends are pre-worked (grooved)
- A Flange is fitted onto the pipe end
- A flexible retain ring is stretched into the groove at the pipe ends
- The flange screws are fixing the complete connection

The pipe ends are pressed against each other with a retain ring, and screws are fixing the complete connection. The retain ring, flanges, and screws absorb the axial forces and shocks. The combination of the retain ring and flange strengthens the pipe (at the location of the groove) in such a way that the connection is stronger than the pipe itself.

The **Retain Ring Flange System** is used for high-pressure piping systems with a maximum allowable working pressure up to 420 bar (6000 psi). The system is mostly used with working pressures in the range from 160 up to 320 bar.

All Type approval test programs, especially the Vibration testing confirm that **Retain Ring Flange System** is perfectly suitable for high-pressure piping systems in a different range of material quality, from steel to stainless steel.

	SAE 3000	SAE 6000
Working pressure	210 - 350 bar	420 bar
Pipe size, mm	26x6,0 up to - 97x12,0 mm	16x2,0 mm - 90x9,0 mm
Flange size	1/2" - 3"	1/2" - 3"
Pipe material	Carbon steel, galvanised steel ST52, Cr(6) free, Duplex, stainless steel AISI 316L	
Flange material	Electric zinc carbon steel ST52 Cr(6) free, Duplex, stainless steel AISI 316L	
Retain ring mat.	AISI 302	
Bonded seals mat.	ST52/NBR, Cr(6) free, AISI 316L/NBR	
Seal material	Viton, NBR	

The **Retain Ring Flange System** in the assortment has many different types of fittings, such as:

The Retain Ring Flange, Flange for connection with internal thread, Male thread connection flange, Welding flange, T-block flange, Elbow block flange, Blind flange, Reducer flange, Bulkhead Flange, and many others.

OLEUM FLEX d.o.o.
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Tel.: 01/3098-935 Fax: 01/3098-931

Kupac:
HYDROPORT LLC

Oznaka:
TEE FLANGE SAE 6000 2" RRT-632016 AISI 316L

Datum isporuke:
29.9.2020

Količina: KOM 4

Pakirao: _____ PRF 017 01 15

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Pakirao: _____

Datum isporuke:

29.9.2020

PRF 017 01 15

IA
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TEST REPORT

23/03/2020

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ITEM DATA

HYDROPORT

RRT-632016 AISI

TEE FLANGE SAE 6000 2"

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«ФЛАНЦЕВАЯ СИСТЕМА» - СИСТЕМА СОЕДИНЕНИЯ ТРУБ БЕЗ СВАРКИ

OLEUM FLEX d.o.o. изготавливает и поставляет на рынок штуцеры для соединения водопроводных систем без сварки по нашему собственному и дизайну, называемые ФЛАНЦЕВАЯ СИСТЕМА.

ФЛАНЦЕВАЯ СИСТЕМА основывается на фланцевых соединениях без сварки для ввода в эксплуатацию высоконапорного трубопровода без пропускания среды.

Настоящая система пригодна для использования на всех трубопроводах, где требуется высокий уровень чистоты среды, прецизионность и правильность исполнения, а также быстрая готовность конструкции трубопровода к эксплуатации.

ФЛАНЦЕВАЯ СИСТЕМА для следующих видов применения:

- Гидравлические системы низкого, среднего и высокого давления,
- Трубные линии для высоконапорной очистки, воздушные установки, смазочные и масляные системы,
- Нефтяная промышленность (на суше и на море), судостроение, нефтеперерабатывающая промышленность, химическая и пищевая промышленность.

ФЛАНЦЕВУЮ СИСТЕМУ выпускаем в двух различных исполнениях системы без сварки:

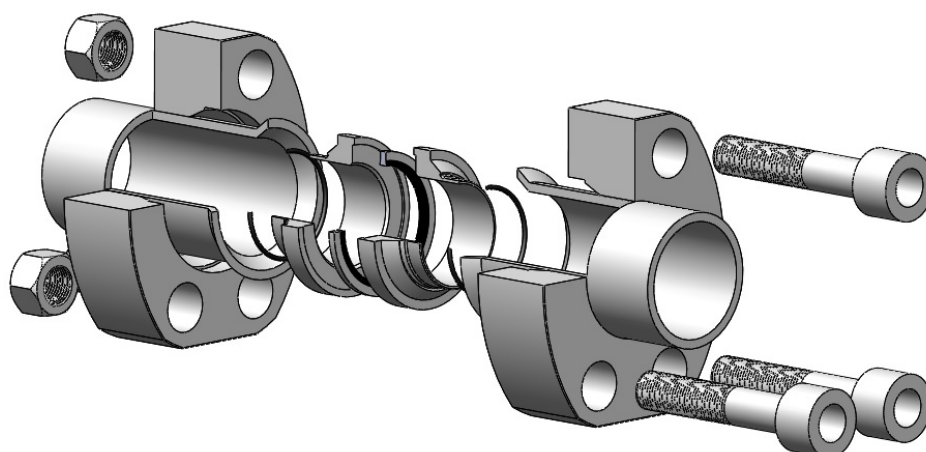
- 37° Фланцевая система
- Retain Ring sistem

Для максимальных рабочих давлений, разделенных в три группы:

- Рабочие давления до 50 бар
- Рабочие давления до 210 бар (3000 psi)
- Рабочие давления до 420 бар (6000 psi)

По всем позициям, которые выпускаются нами в программе, мы можем обеспечить соответствующие сертификаты инспекции классификационных обществ – членов IACS-а, какими например, являются:

CRS, RS, LR, DNV-GL, BV, RINA, ABS с производственными сертификатами по DIN EN 10204 3.1



37° Фланцевая система

Фланцевую систему с углом конуса трубы 37° в основном можно использовать в гидравлических установках низкого, среднего и высокого давления в различных промышленных сферах, как например в разработке и эксплуатации нефтяных и газовых месторождений (на суше и на море), судостроении, автопромышленности, горной промышленности, нефтехимической промышленности и многих других отраслях.

Фланцевая система с углом конуса трубы 37° пригодна для гидравлики, смазки, углеводородов, воздуха высокого давления, цементного раствора, высоконапорных систем для водяной очистки, а также для других трубопроводных систем где требуется высокий уровень чистоты среды и прецизионность, правильность исполнения, а также готовность к быстрой полной постройке трубопроводов.

Фланцевая система с углом конуса трубы 37° прежде всего более безопасный и надежный способ соединения по сравнению с остальными способами соединения штуцеров, особенно там, где появляются требования в связи с высокими вибрациями и соединением различных типов высоконапорных штуцеров из нержавеющей стали.

У Фланцевых система с углом конуса трубы 37° концы труб формуются на формовочном станке, причем конусный вращающий инструмент формирует конец трубы в форме под конус 37°. На каждый конец трубы ставят прокладку с уплотнением между фланцами, и фланцы затем соединяются винтами.

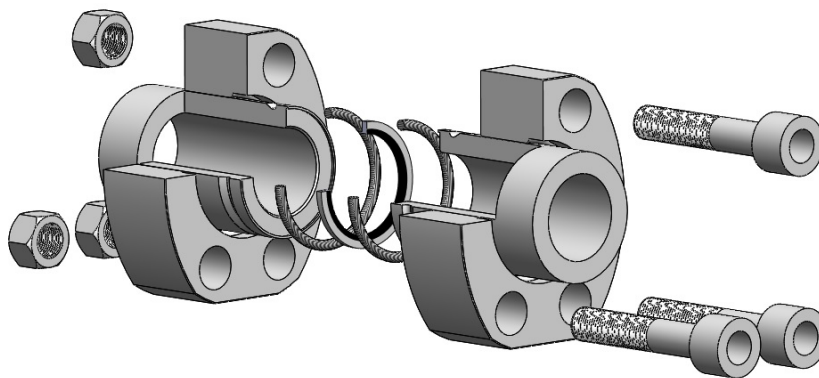
Фланцевая система с углом конуса трубы 37° выполнена следующим способом:

- Фланцевую систему с углом конуса трубы 37° устанавливают на трубу
- Конец трубы формируется с конусом 37°
- Прокладку устанавливают на концы труб
- Мягкое уплотнение устанавливают между концами труб
- Болты фланцев полностью закрепляют соединение.

Фланцевая система с углом конуса трубы 37° используется для высоконапорных систем трубопроводов с максимально допустимым рабочим давлением до 420 бар (6000 psi). Систему в основном используют с рабочим давлением в диапазоне от 160 до 320 бар.

Все программы Типовых испытаний, особенно Испытание на воздействие вибраций, подтверждают, что **Фланцевая система 37°** совершенно пригодна для высоконапорных трубопроводов, выполненных с помощью различного качества материалов из нержавеющей стали.

	SAE 50	SAE 3000	SAE 6000
Рабочее давление	50 бар	210 - 350 бар	420 бар
Размеры трубы, мм	50x3,0 - 273x6,0	16x2,0 - 90x5,0 мм	16x2,0 мм - 90x9,0 мм
Размеры фланца	1 1/2" - 10"	1/2" - 3"	1/2" - 3"
Материал трубы	Углеродистая сталь, Оцинкованная сталь ST52, Cr(6) slobodan, Duplex, нержавеющая сталь AISI 316L		
Материал фланца	Оцинкованная углеродистая сталь ST52 Cr(6) без хрома, Duplex, нержавеющая сталь AISI 316L		
Материал уплотнения	Viton, NBR		



Retain Ring Фланцевая система

Фланцевую систему в основном можно использовать в гидравлических установках низкого, среднего и высокого давления в различных промышленных сферах, как например в разработке и эксплуатации нефтяных и газовых месторождений (на суше и на море), судостроении, автопромышленности, горной промышленности, нефтехимической промышленности и многих других отраслях.

Retain Ring Фланцевая система пригодна для гидравлики, смазки, углеводородов, воздуха высокого давления, цементного раствора, высоконапорных систем для водяной очистки, а также для других трубопроводных систем где требуется высокий уровень чистоты среды и прецизионность, правильность исполнения, а также готовность к быстрой полной постройке трубопроводов.

Retain Ring Фланцевая система прежде всего более безопасный и надежный способ соединения по сравнению с остальными способами соединения штуцеров, особенно там, где появляются требования в связи с высокими вибрациями и соединением различных типов высоконапорных штуцеров из нержавеющей стали.

У Retain Ring Фланцевой системы – фланцы прикреплены к трубам с помощью “удерживающего кольца” („retain ring”), из нержавеющей стали (пружина с кольцом, расположенная в обработанном пазу на концах трубы).

Retain Ring Фланцевая система выполнена следующим способом :

- Концы труб предварительно обработаны (соединение шип-паз)
- Фланец устанавливается на конец трубы
- Гибкое упорное (предохранительное) кольцо (Retain ring) вставлено в паз на концах трубы
- Болтами фланцев полностью закрепляется соединение.

Концы труб взаимно прижаты упорным кольцом (Retain Ring) когда болтами полностью прикрепляется соединение. Упорное кольцо, фланцы и болты амортизируют осевые нагрузки и напряжения. Комбинацией упорного кольца (Retain Ring) и фланца упрочняется труба (на месте паза) и таким образом соединение становится более прочное, чем сама труба.

Retain Ring Фланцевая система используется для высоконапорных систем трубопроводов с максимально допустимым рабочим давлением до 420 бар (6000 psi). Систему в основном используют с рабочим давлением в диапазоне от 160 до 320 бар.

Все программы Типовых испытаний, особенно Испытание на воздействие вибраций, подтверждают, что **Retain Ring Фланцевая система** совершенно пригодна для высоконапорных трубопроводов, выполненных с помощью различного качества материалов из нержавеющей стали.

	SAE 3000	SAE 6000
Рабочее давление	210 - 350 бар	420 бар
Размеры трубы, мм	26x6,0 - 97x12,0 мм	16x2,0 мм - 90x9,0 мм
Размеры фланца	1/2" - 3"	1/2" - 3"
Материал трубы	Углеродистая сталь, Оцинкованная сталь ST52, Cr(6) slobodan, Duplex, нержавеющая сталь AISI 316L	
Материал фланцы	Оцинкованная углеродистая сталь ST52 Cr(6) без хрома, Duplex, нержавеющая сталь AISI 316L	
Материал упорного кольца	AISI 302	
Bonded seals материал	ST52/NBR, Cr(6) без хрома, AISI 316L/NBR	
Материал уплотнения	Viton, NBR	

Retain Ring Фланцевая система – в ассортименте есть различные типы штуцеров, как например: Retain ring фланец, Фланцы для соединения с внутренней резьбой, Фланцы для соединения с наружной резьбой, Фланцы для наварки, Т-образный блок фланцы, Колено-блок фланцы, Слепой фланец, Фланцевая редукция, Фланец – перегородка и многие другие.



SAE 50 BAR

SAE 50 BAR

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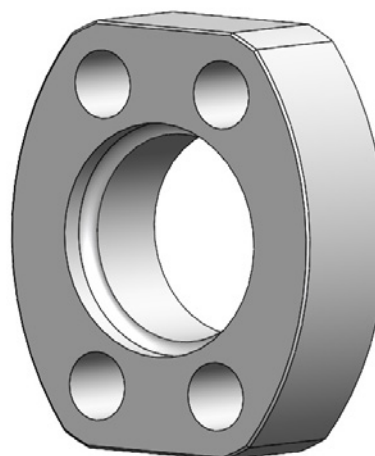
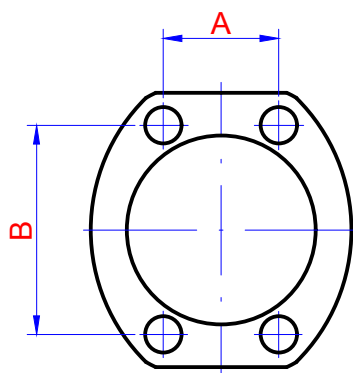
	Part	Material
Standard Assembly	Flanges	St 52, Cr(6) free
	Adapters	St 52, Cr(6) free
	Retain Rings	AISI 302
	Bonded Seals	St 52/NBR, Cr(6) free
	O-rings	NBR 90 Shore
	Part	Material
Stainless steel	Flanges	AISI 316L
	Adapters	AISI 316L
	Retain Rings	AISI 302
	Bonded Seals	AISI 316L/NBR,
	O-rings	FPM Viton 90 Shore

There is an option of different material requests. Please contact us for possible alternatives.



 FLANGE DIMENSIONS

 РАЗМЕРЫ ФЛАНЦЕВ



Retain Ring Flanges

Size	Part Name	A	B	Bolt L DIN 912, 8.8	WP (bar)	Weight (kg)
1 1/2"	RRF-124	35.7	69.9	M12x70(40)	50	0.43
2"	RRF-132	42.9	77.8	M12x70(40)	50	0.59
2 1/2"	RRF-140	50.8	88.9	M12x70(40)	50	0.71
3"	RRF-148	61.9	106.4	M16x80(50)	50	1.12
4"	RRF-164	77.8	130.2	M16x90(50)	50	1.53
5"	RRF-180	92.1	152.4	M16x120(60)	50	2.63
		T	U			
6"	RRF-196	208	236	M16x110(60)	50	4.39
8"	RRF-228	275	317	M20x120(70)	50	8.98
10"	RRF-260	345	410	M20x140(80)	50	23.4

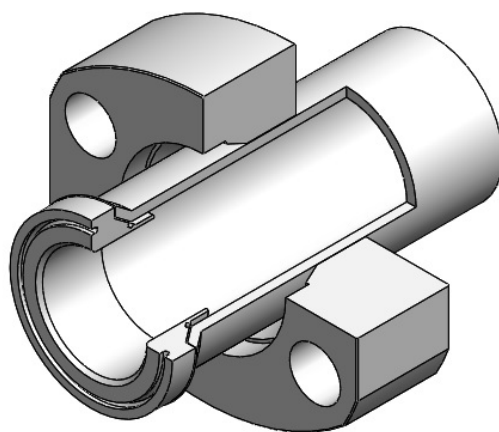
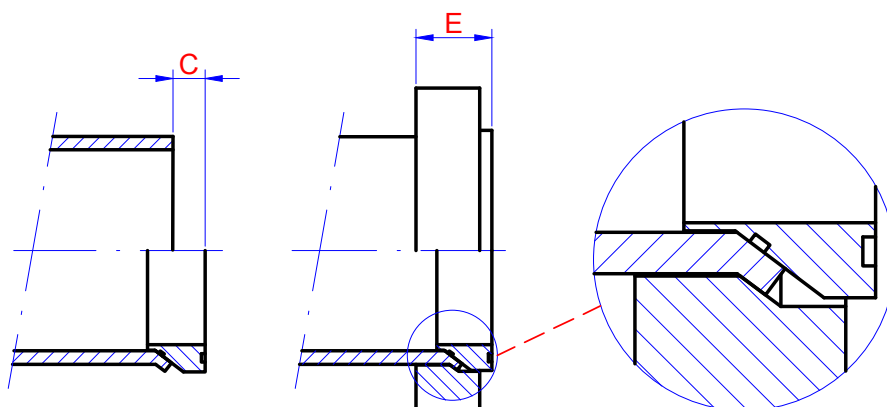
Flare Flange

Size	Part Name	A	B	Bolt L DIN 912, 8.8	WP (bar)	Weight (kg)
1 1/2"	F37-124	35.7	69.9	M12x70(40)	50	0.43
2"	F37-132	42.9	77.8	M12x70(40)	50	0.59
2 1/2"	F37-140	50.8	88.9	M12x70(40)	50	0.71
3"	F37-148	61.9	106.4	M16x80(50)	50	1.12
4"	F37-164	77.8	130.2	M16x90(50)	50	1.53
5"	F37-180	92.1	152.4	M16x120(60)	50	2.63
		T	U			
6"	F37-196	208	236	M16x110(60)	50	4.39
8"	F37-228	275	317	M20x120(70)	50	8.98
10"	F37-260	345	410	M20x140(80)	50	23.4

L=Flange to flange
(L)=Flange to block

 FLARE FLANGE CONNECTION TYPE A WITH O-RING GROOVE

 ФЛАНЦЕВОЕ СОЕДИНЕНИЕ С ОТБОРТОВКОЙ – ТИП А

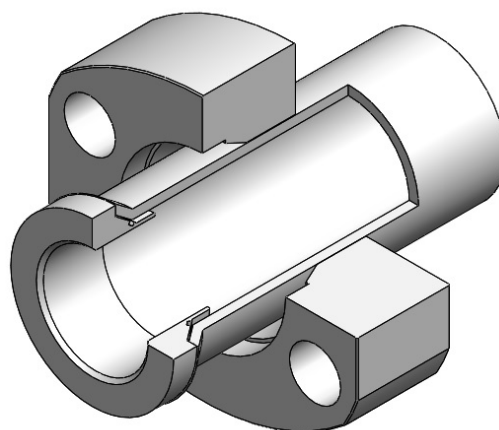
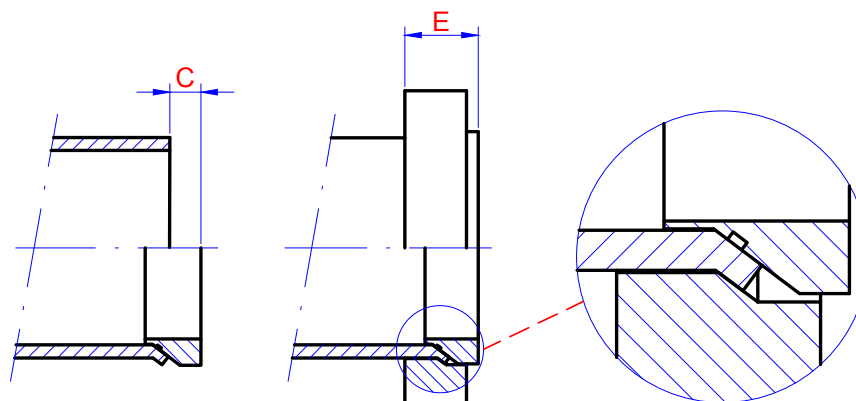


Type A - with O-ring groove

Size	Part Name	Pipe Size	C	E	Weight	Body
1 1/2"	F37-124/50X3A	50x3.0	13	28	0.68	FL24/50X3A
2"	F37-132/60X3A	60x3.0	13	27	0.91	FL32/60X3A
2 1/2"	F37-140/75X3A	73x3.0	12	25	1.00	FL40/75X3A
3"	F37-148/90X3.5A	90x3.5	16	30	1.59	FL48/90X3.5A
4"	F37-164/115X4A	115x4.0	16	36	2.46	FL64/115X4A
5"	F37-180/140X4.5A	140x4.5	17	47	3.90	FL80/14X4.5A
6"	F37-196/165X5A	165x5.0	16	42	6.55	FL96/165X5A
8"	F37-228/220X6A	220x6.0	20	48	12.7	FL28/220X6A
10"	F37-260/273X6A	273x6.0	18	58	26.1	FL60/273X6A

 FLARE FLANGE CONNECTION TYPE B – FLAT FACE WITHOUT O-RING GROOVE

 ФЛАНЦЕВОЕ СОЕДИНЕНИЕ С ОТБОРТОВКОЙ – ТИП В

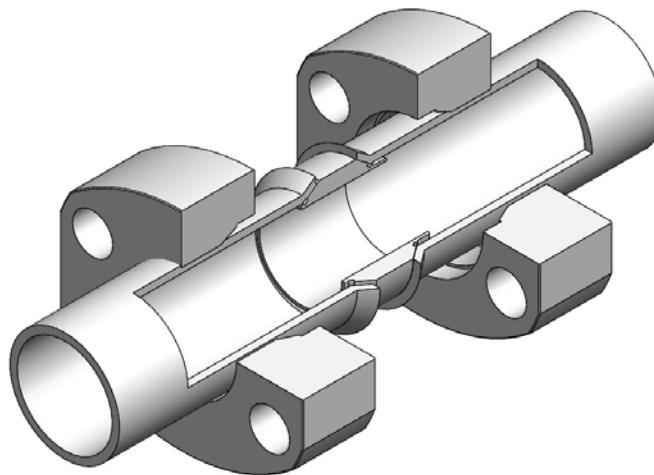
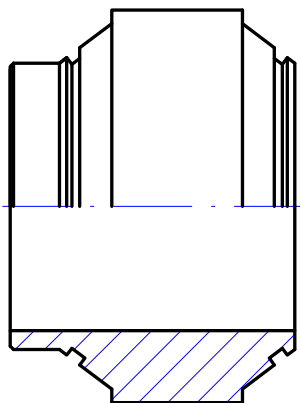


Type B - flat face without O-ring groove

Size	Part Name	Pipe Size	C	E	Weight	Body
1 1/2"	F37-124/50X3B	50x3.0	13	28	0.68	FL24/50X3B
2"	F37-132/60X3B	60x3.0	13	27	0.91	FL32/60X3B
2 1/2"	F37-140/75X3B	73x3.0	12	25	1.00	FL40/75X3B
3"	F37-148/90X3.5B	90x3.5	16	30	1.59	FL48/90X3.5B
4"	F37-164/115X4B	115x4.0	16	36	2.46	FL64/115X4B
5"	F37-180/140X4.5B	140x4.5	17	47	3.90	FL80/14X4.5B
6"	F37-196/165X5B	165x5.0	16	42	6.55	FL96/165X5B
8"	F37-228/220X6B	220x6.0	20	48	12.7	FL28/220X6B
10"	F37-260/273X6B	273x6.0	18	58	26.1	FL60/273X6B

FLARE FLANGE CONNECTION TYPE D – STRAIGHT COUPLINGS

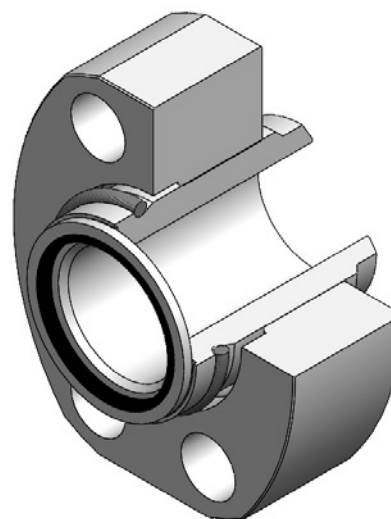
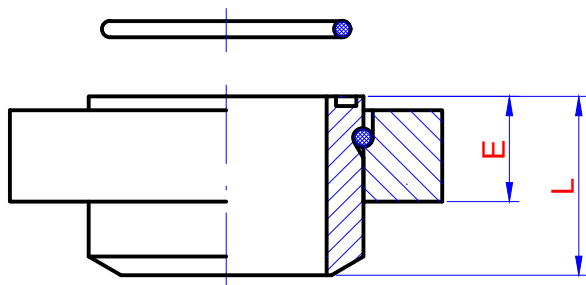
ФЛАНЦЕВОЕ СОЕДИНЕНИЕ С ОТБОРТОВКОЙ – ТИП D



Type D - straight coupling

Size	Part Name	Pipe Size	Weight	Body
1 1/2"	F37-124/50X3D	50x3.0	1.40	FL24/50X3D
2"	F37-132/60X3D	60x3.0	1.73	FL32/60X3D
2 1/2"	F37-140/75X3D	73x3.0	1.98	FL40/75X3D
3"	F37-148/90X3.5D	90x3.5	3.22	FL48/90X3.5D
4"	F37-164/115X4D	115x4.0	5.02	FL64/115X4D
5"	F37-180/140X4.5D	140x4.5	7.89	FL80/14X4.5D
6"	F37-196/165X5D	165x5.0	13.50	FL96/165X5D
8"	F37-228/220X6D	220x6.0	25.40	FL28/220X6D
10"	F37-260/273X6D	273x6.0	54.7	FL60/273X6D

 FLANGE FOR WELDING TYPE A
 ПРИВАРНОЙ СТАКАН С ФЛАНЦЕМ ТИП А

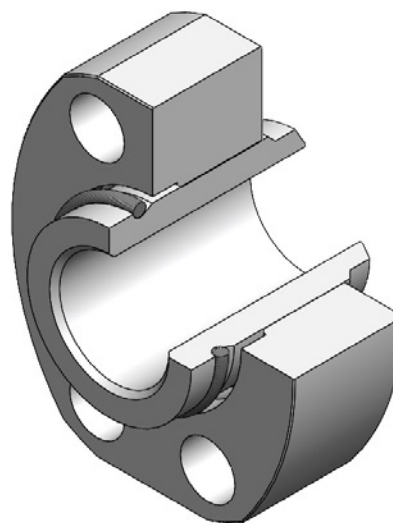
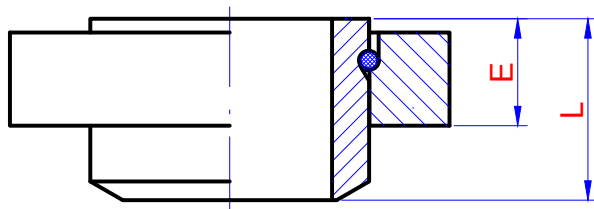


Type A - with O-ring groove

Size	Part Name	Pipe Size	L	E	Weight	Body
1 1/2"	FW-124002A	50x3.0	35	23	0.75	FL24002A
2"	FW-132002A	60x3.0	35	23	0.95	FL32002A
2 1/2"	FW-140002A	75x3.0	35	23	1.16	FL40002A
2 1/2"	FW-140003A	73x3.0	35	23	1.16	FL40003A
3"	FW-148002A	90x3.5	40	28	1.80	FL48002A
4"	FW-164001A	115x4.0	40	33	2.64	FL64001A
4"	FW-164002A	114.3x4.5	40	33	2.64	FL64002A
5"	FW-180001A	140x4.5	45	44	4.24	FL80001A
5"	FW-180002A	139.7x5.6	45	44	4.24	FL80002A
6"	FW-196001A	165x5.0	50	43	7.01	FL96001A
6"	FW-196002A	168.3x7.1	50	43	7.01	FL96002A
8"	FW-228001A	220x6.0	60	46	13.5	FL28001A
8"	FW-228002A	219.1x8.0	60	46	13.5	FL28002A
10"	FW-260001A	273x6.0	70	56	31.0	FL60001A

 FLANGE FOR WELDING TYPE B

 ПРИВАРНОЙ СТАКАН С ФЛАНЦЕМ ТИП В



Type B - flat face without O-ring groove

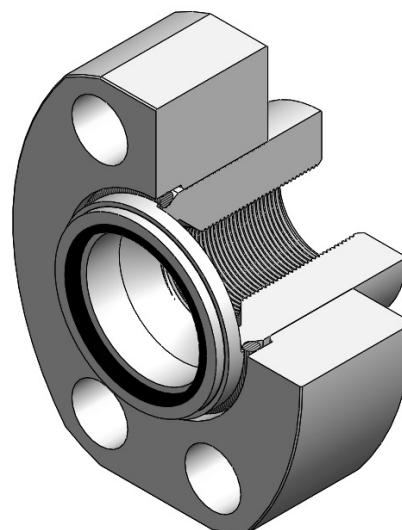
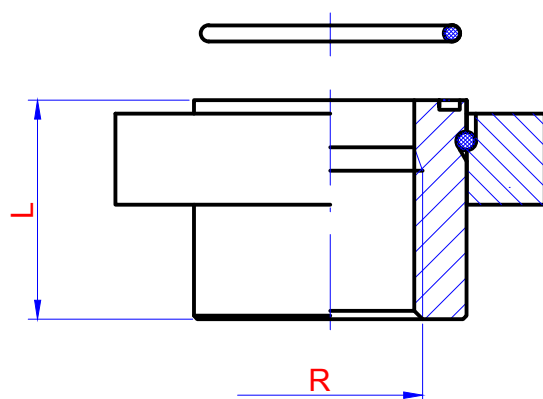
Size	Part Name	Pipe Size	L	E	Weight	Body
1 1/2"	FW-124002B	50x3.0	35	23	0.75	FL24002B
2"	FW-132002B	60x3.0	35	23	0.95	FL32002B
2 1/2"	FW-140002B	75x3.0	35	23	1.16	FL40002B
2 1/2"	FW-140003B	73x3.0	35	23	1.16	FL40003B
3"	FW-148002B	90x3.5	40	28	1.80	FL48002B
4"	FW-164001B	115x4.0	40	33	2.64	FL64001B
4"	FW-164002B	114.3x4.5	40	33	2.64	FL64002B
5"	FW-180001B	140x4.5	45	44	4.24	FL80001B
5"	FW-180002B	139.7x5.6	45	44	4.24	FL80002B
6"	FW-196001B	165x5.0	50	43	7.01	FL96001B
6"	FW-196002B	168.3x7.1	50	43	7.01	FL96002B
8"	FW-228001B	220x6.0	60	46	13.5	FL28001B
8"	FW-228002B	219.1x8.0	60	46	13.5	FL28002B
10"	FW-260001B	273x6.0	70	56	31.0	FL60001B



FEMALE THREAD FLANGE BSPP (COMPLETE)

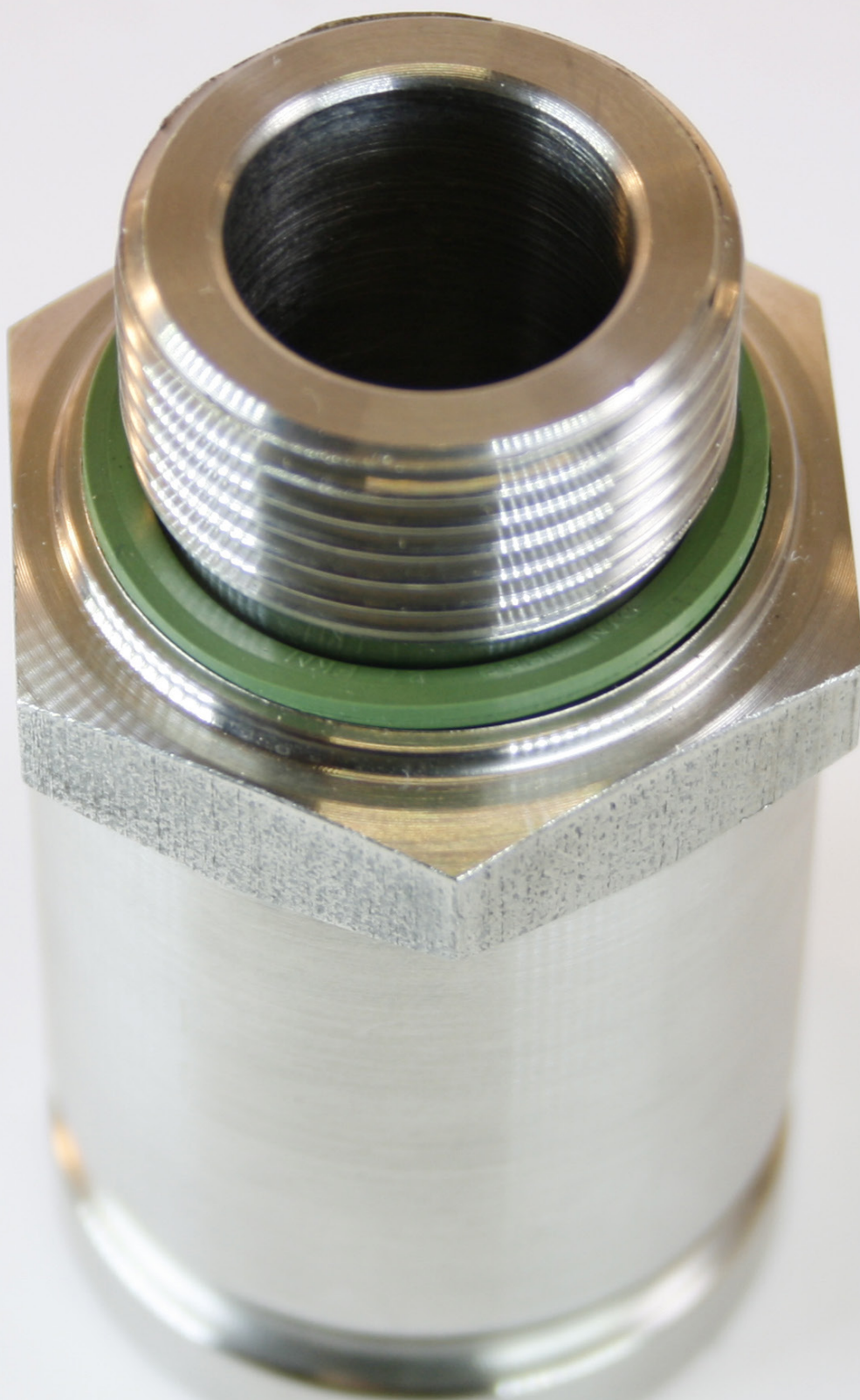


СТАКАН С ВНУТРЕННЕЙ РЕЗЬБОЙ С ФЛАНЦЕМ BSPP (ПОЛНЫЙ)



Female Thread Flange (BSPP)

Size	Part Name	L	R	Weight (kg)	Body
1 1/2"	FTF-124013	35	1 1/4"	0.7	L24013
2"	FTF-132013	35	1 1/2"	1.0	L32013
2 1/2"	FTF-140013	35	2"	1.3	L40013
3"	FTF-148013	40	2 1/2"	1.5	L48013

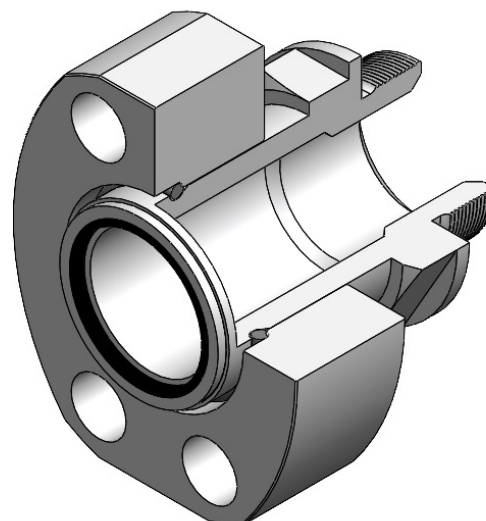
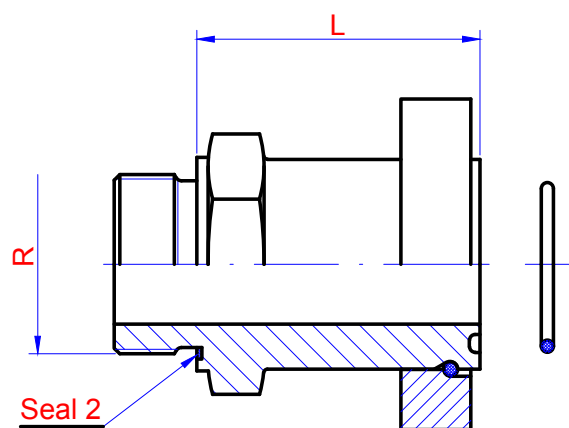




MALE THREAD FLANGE BSPP (COMPLETE)



СТАКАН С НАРУЖНОЙ РЕЗЬБОЙ С ФЛАНЦЕМ BSPP (ПОЛНЫЙ)



Male Thread Flange (BSPP)

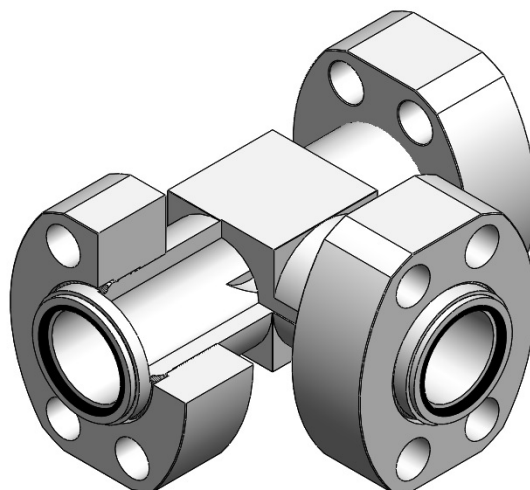
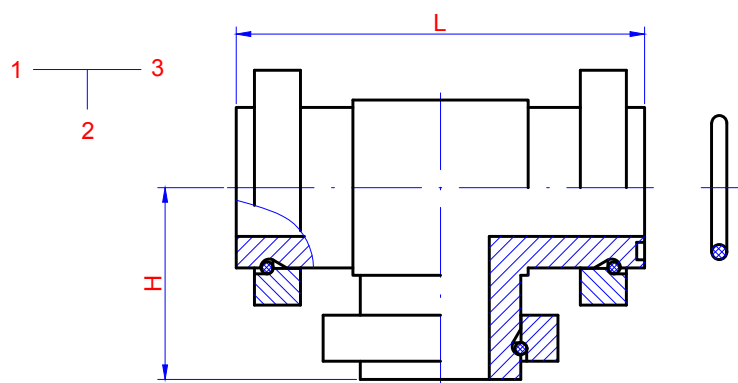
Size	Part Name	L	R	Seal 2	Weight (kg)	Body
1 1/2"	MTF-124014	64	1 1/2"	ED R1-1/2 (48x2) VI	1.0	L24014
2"	MTF-132014	66	2"	OR 59.99x2.62 VI	1.1	L32014
2 1/2"	MTF-140014	66	2 1/2"	OR 75.87x2.62 VI	1.4	L40010
3"	MTF-148014	80	3"	OR 88.57x2.62 VI	2.5	L48014
4"	MTF-164014	76	4"	OR117.07x3.53 VI	4.90	L64014



TEE FLANGE



ТРОЙНИК НА ФЛАНЦАХ



Tee Flange - Working pressure 50 bar

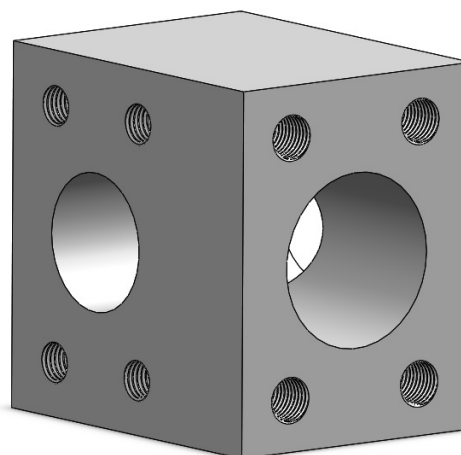
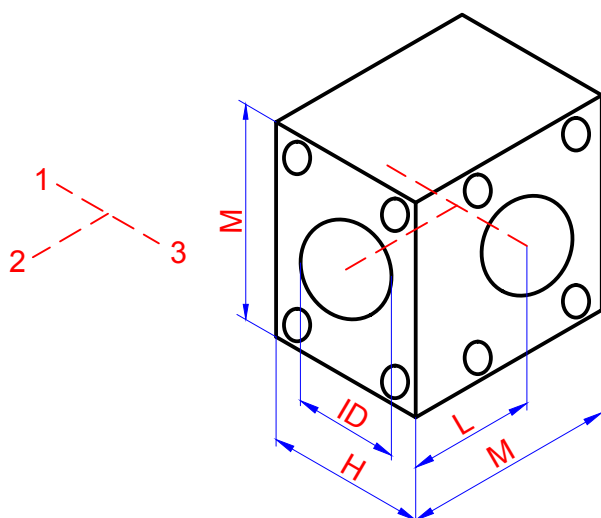
Size		Part Name	L	H	Weight (kg)	Body
Body	Outlet					
1 1/2"		TF-124016	185	60	3.00	L24016
2"		TF-132016	200	70	3.60	L32016
2"	1 1/2"	TF-132/124/132016	200	70	3.40	L32/24/32016
2 1/2"		TF-140016	222	111	5.79	L40016
2 1/2"	2"	TF-140/132/140016	222	105	5.60	L40/32/40016
2 1/2"	1 1/2"	TF-140/124/140016	222	102	5.45	L40/24/40016
3"		TF-148016	252	126	8.55	L48016
3"	2 1/2"	TF-148/140/148016	252	118	8.40	L48/40/48016
3"	2"	TF-148/132/148016	252	111	8.25	L48/32/48016
3"	1 1/2"	TF-148/124/148016	252	108	7.90	L48/24/48016
3 1/2"		TF-156016	320	160	13.95	L56016
3 1/2"	3"	TF-156/148/156016	320	138	13.10	L56/48/56016
3 1/2"	2 1/2"	TF-156/140/156016	320	130	12.60	L56/40/56016
4"		TF-164016	290	145	13.45	L64016
4"	3"	TF-164/148/164016	290	138	12.95	L64/48/64016
4"	2 1/2"	TF-164/140/164016	290	130	12.20	L64/40/64016
5"		TF-180016	338	169	21.40	L80016
5"	4"	TF-180/164/180016	338	157	20.50	L80/64/80016
5"	3"	TF-180/148/180016	338	151	19.60	L80/48/80016
6"		TF-196016	386	193	29.60	L96016
6"	5"	TF-196/180/196016	386	182	28.55	L96/80/96016
6"	4"	TF-196/164/196016	386	170	27.70	L96/64/96016
8"		TF-228016	476	238	45.50	L28016
8"	6"	TF-228/196/228016	476	218	40.00	L28/96/28016
8"	5"	TF-228/180/228016	476	207	38.50	L28/80/28016
8"	4"	TF-228/164/228016	476	196	36.80	L28/64/28016



TEE BLOCK



ТРОЙНИК-МОНОЛИТ



Tee Block

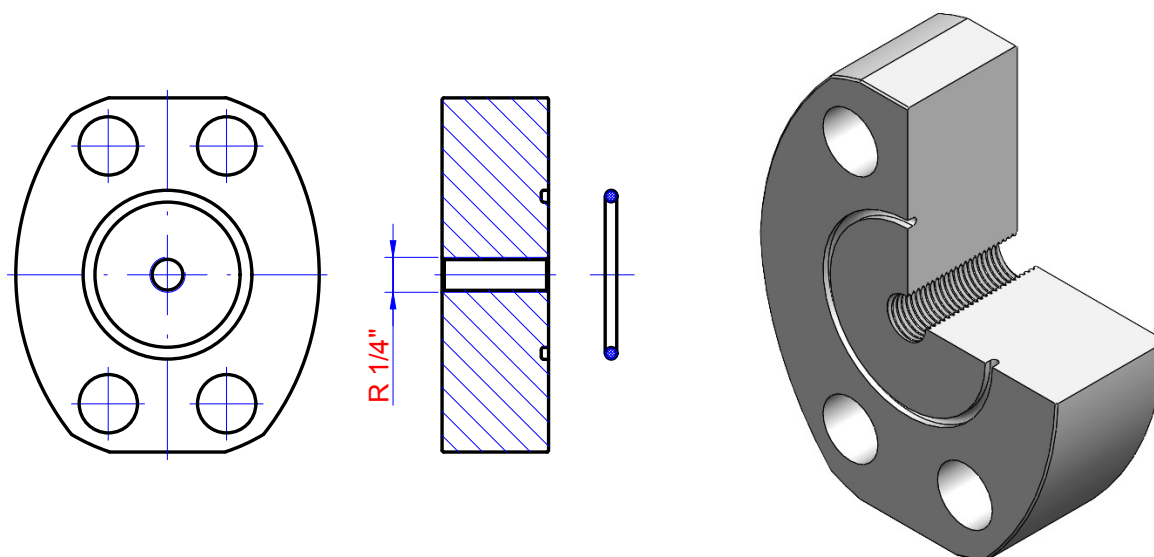
Size		Part Name	H	L	M	ID	Weight (kg)
Body	Outlet						
1 1/2"		TB-324116	68	59	90	38	2.96
1 1/2"	1 1/4"	TB-324/320/324116	68	59	90	38/30/38	3.16
1 1/2"	1"	TB-324/316/324116	68	59	90	38/23/38	3.22
2"		TB-332116	78	64	100	48	4.05
2"	1 1/2"	TB-332/324/332116	78	64	100	48/38/48	4.26
2"	1 1/4"	TB-332/320/332116	78	64	100	48/30/48	4.45
2 1/2"		TB-340116	90	65	110	60	5.05
2 1/2"	2"	TB-340/332/340116	90	65	110	60/48/60	5.49
2 1/2"	1 1/2"	TB-340/324/340116	90	65	110	60/38/60	5.20
3"		TB-348116	110	80	135	72	9.97
3"	2 1/2"	TB-348/340/348116	110	80	135	72/60/72	10.6
3"	2"	TB-348/332/348116	110	80	135	72/48/72	11.1



BLIND FLANGE



ФЛАНЕЦ - ЗАГЛУШКА



Blind Flange

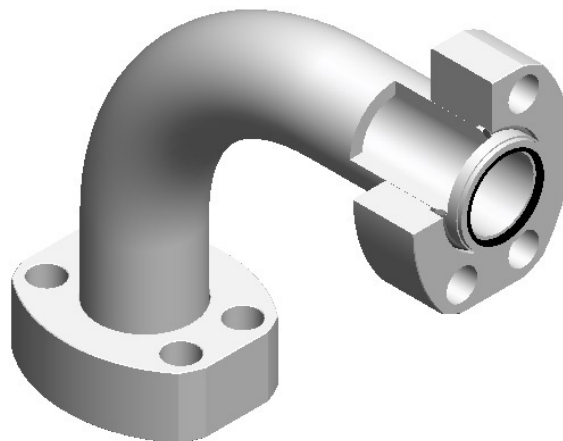
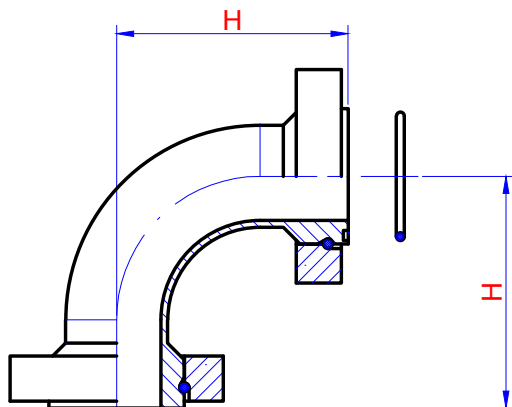
Size	Part Name	Weight (kg)
1 1/2"	BF-124125	0.83
2"	BF-132125	1.16
2 1/2"	BF-140125	1.50
3"	BF-148125	2.54
4"	BF-164125	4.48
5"	BF-180125	8.11
6"	BF-196125	11.5
8"	BF-228125	23.8



FLANGE BEND



УГЛОВОЙ ЭЛЕМЕНТ НА ФЛАНЦАХ ГНУТЫЙ

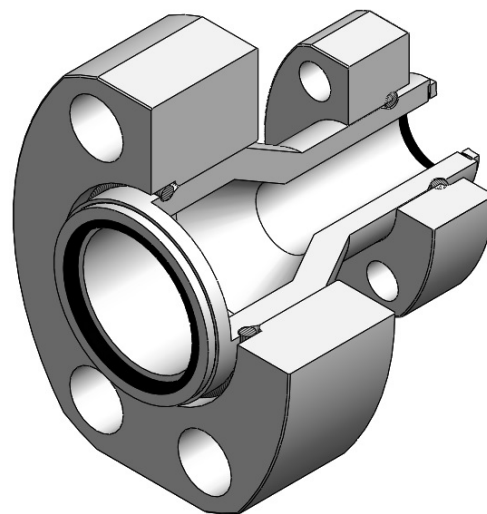
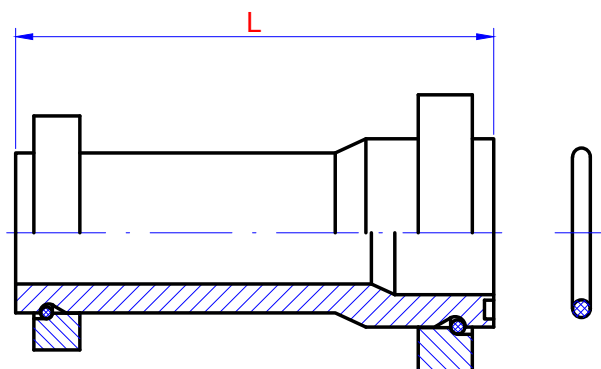


Flange Bend

Size	Part Name	H	Bending Radius	Weight (kg)	Body
1 1/2"	FB-124018	92	57	2.26	L24018
2"	FB-132018	111	76	2.86	L32018
2 1/2"	FB-140018	130	95	3.88	L40018
3"	FB-148018	155	114.5	6.32	L48018
4"	FB-164018	193	152.5	9.56	L64018
5"	FB-180018	236	190.5	14.80	L80018
6"	FB-196018	279	228.5	20.60	L96018
8"	FB-228018	365	305.0	44.80	L28018

 REDUCER FLANGE (COMPLETE)

 УМЕНЬШАЮЩИЙ АДАПТЕР НА ФЛАНЦАХ (ПОЛНЫЙ)



Reducer Flange

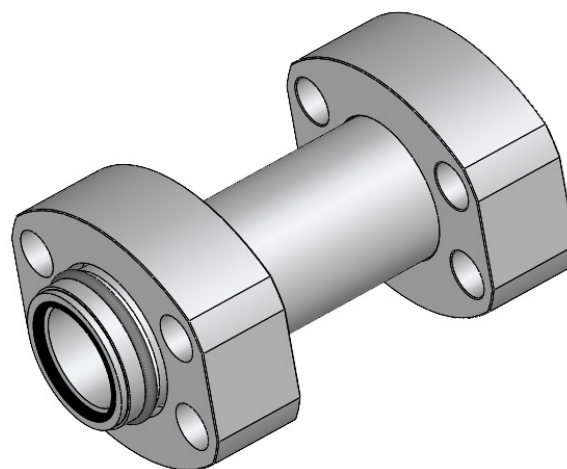
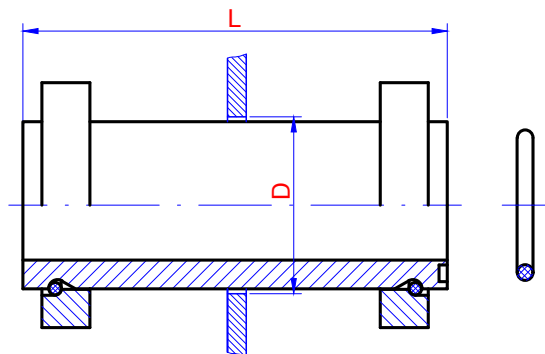
Size	Part Name	L	Weight (kg)	Body
2" – 1 1/2"	RF-132-124	146	2.51	L32-L24
2 1/2" – 1 1/2"	RF-140-124	160	3.03	L40-L24
2 1/2" – 2"	RF-140-132	160	3.23	L40-L32
3" – 1 1/2"	RF-148-124	165	3.85	L48-L24
3" – 2"	RF-148-132	165	4.36	L48-L32
3" – 2 1/2"	RF-148-140	165	4.71	L48-L40
4" – 3"	RF-164-148	180	7.14	L64-L48
5" – 4"	RF-180-164	210	10.70	L80-L64
5" – 3"	RF-180-148	212	10.20	L80-L48
6" – 4"	RF-196-164	230	13.20	L96-L64
6" – 5"	RF-196-180	235	15.00	L96-L80
8" – 5"	RF-228-180	257	23.10	L28-L80
8" – 6"	RF-228-196	262	24.80	L28-L96



BULKHEAD FLANGES

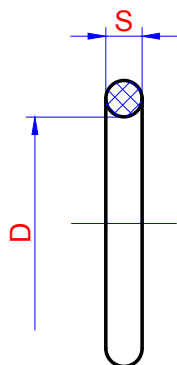


ПЕРЕБОРОЧНЫЙ СТАКАН НА ФЛАНЦАХ



Bulkhead Flange

Size	Part Name	D	L	Weight (kg)	Body
1 1/2"	BUF-124019	62	165	3.8	L24019
2"	BUF-132019	72	165	4.5	L32019
2 1/2"	BUF-140019	84	175	5.45	L40019
3"	BUF-148019	102	200	7.8	L48019
4"	BUF-164019	128	200	11.7	L64019
5"	BUF-180019	153	200	16.4	L80019
6"	BUF-196019	183	215	22.9	L96019
8"	BUF-228019	243	240	28.0	L28019



O-Ring 2 in low pressure Insert Cones

Size	GS Size	Part Name	DxS
1 1/2"	24	OR41x1.78	41.00x1.78
2"	32	OR52.5x1.78	52.50x1.78
2 1/2"	40	OR66.4x1.78	66.40x1.78
3"	48	OR82.27x1.78	82.27x1.78
4"	64	OR107.67x1.78	107.67x1.78
5"	80	OR126.67x2.62	126.67x2.62
6"	96	OR152.07x2.62	152.07x2.62
8"	28	OR209.22x2.62	209.22x2.62
10"	60	OR247.32x2.62	247.32x2.62

O-Ring between Type A and Type B Flange Connections

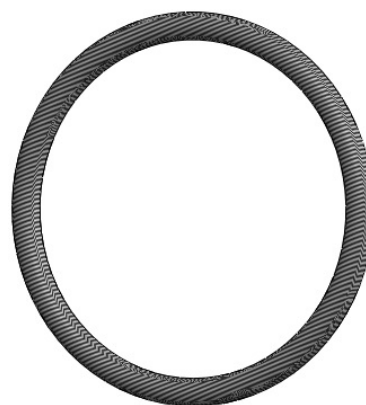
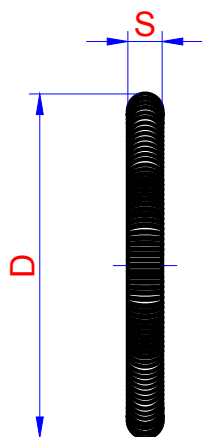
Size	GS Size	Part Name	DxS
1 1/2"	24	OR47.22x3.53	47.22x3.53
2"	32	OR56.75x3.53	56.75x3.53
2 1/2"	40	OR69.44x3.53	69.44x3.53
3"	48	OR85.32x3.53	85.32x3.53
4"	64	OR110.72x3.53	110.72x3.53
5"	80	OR136.12x3.53	136.12x3.53
6"	96	OR158.34x3.53	158.34x3.53
8"	28	OR219.3x5.70	219.3x5.70
10"	60	OR269.3x5.70	269.3x5.70



RETAIN RINGS



УПОРНЫЕ КОЛЬЦА



Retain Rings

Size	Part Name	DxS
1 1/2"	RR-24L	64x4
2"	RR-32L	74x4
2 1/2"	RR-40L	85x4
3"	RR-48L	103x5
4"	RR-64L	130x5
5"	RR-80L	156x6
6"	RR-96L	186x6
8"	RR-28L	248x8
10"	RR-60L	303x8



3000 & 6000 psi

3000 & 6000 psi

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Material Tables

	Part	Material
Standard Assembly	Flanges	St 52, Cr(6) free
	Adapters	St 52, Cr(6) free
	Retain Rings	AISI 302
	Bonded Seals	St 52/NBR, Cr(6) free
	O-rings	NBR 90 Shore
	Part	Material
Stainless steel	Flanges	AISI 316L
	Adapters	AISI 316L
	Retain Rings	AISI 302
	Bonded Seals	AISI 316L/NBR,
	O-rings	FPM Viton 90 Shore

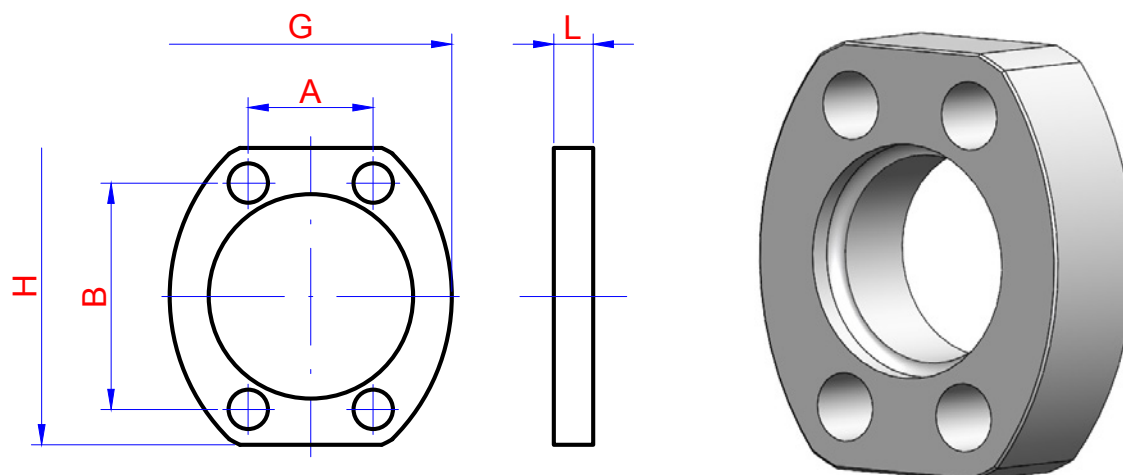
There is an option of different material requests. Please contact us for possible alternatives.

OLEUMFLEX
CODE 18021



FLANGE DIMENSIONS

РАЗМЕРЫ ФЛАНЦЕВ



Retain Ring Flanges, 3000 psi

Size	Part name	A	B	G	H	L	Bolt L DIN 912, 8.8	WP (bar)	Weight (kg)
1/2"	RRF-308	17.5	38.1	46	54	20	M8x60(35)	350	0.17
3/4"	RRF-312	22.2	47.6	52	66	20	M10x60(35)	350	0.21
1"	RRF-316	26.2	52.4	59	70	20	M10x60(35)	350	0.27
1 1/4"	RRF-320	30.2	58.7	73	79	22	M10x70(35)	280	0.38
1 1/2"	RRF-324	35.7	69.9	83	94	25	M12x80(45)	280	0.63
2"	RRF-332	42.9	77.8	97	102	30	M12x90(50)	280	0.94
2 1/2"	RRF-340	50.8	88.9	109	114	40	M12x110(60)	210	1.51
3"	RRF-348	61.9	106.4	131	135	50	M16x130(80)	210	2.29

SAE 37° Flare Flanges, 3000 psi

Size	Part name	A	B	G	H	L	Bolt L DIN 912, 8.8	WP bar	Weight (kg)
1/2"	F37-308	17.5	38.1	46	54	20	M8x60(35)	350	0.17
3/4"	F37-312	22.2	47.6	52	66	20	M10x60(35)	350	0.23
1"	F37-316	26.2	52.4	59	70	20	M10x60(35)	350	0.27
1 1/4"	F37-320	30.2	58.7	73	79	22	M10x70(35)	280	0.39
1 1/2"	F37-324	35.7	69.9	83	94	25	M12x80(45)	280	0.65
2"	F37-332	42.9	77.8	97	102	30	M12x90(50)	280	0.98
2 1/2"	F37-340	50.8	88.9	109	114	40	M12x110(60)	210	1.49
3"	F37-348	61.9	106.4	131	135	50	M16x130(80)	210	2.52

Retain Ring Flanges, 6000 psi

Size	Part name	A	B	G	H	L	Bolt L DIN 912, 8.8	WP bar	Weight (kg)
1/2"	RRF-608	18.2	40.5	48	56	20	M8x60(35)	420	0.20
3/4"	RRF-612	23.8	50.8	60	71	25	M10x70(40)	420	0.38
1"	RRF-616	27.8	57.2	70	81	25	M12x70(45)	420	0.50
1 1/4"	RRF-620	31.78	66.7	78	95	30	M12x90(50)	420	0.87
1 1/4"	RRF-621	31.78	66.7	78	95	30	M14x90(50)	420	0.87
1 1/2"	RRF-624	36.5	79.4	95	113	35	M16x100(60)	420	1.40
2"	RRF-632	44.5	96.8	114	133	40	M20x110(70)	420	2.18
2 1/2"	RRF-640	58.7	123.8	150	175	50	M24x140(90)	420	5.69
3"	RRF-648	71.4	152.4	178	215	50	M30x160(100)	420	7.80

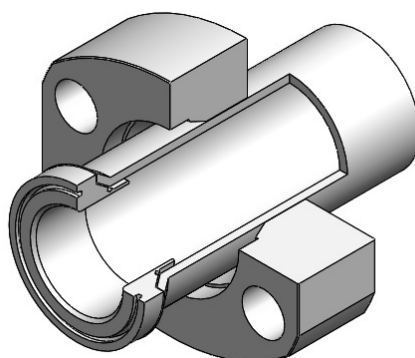
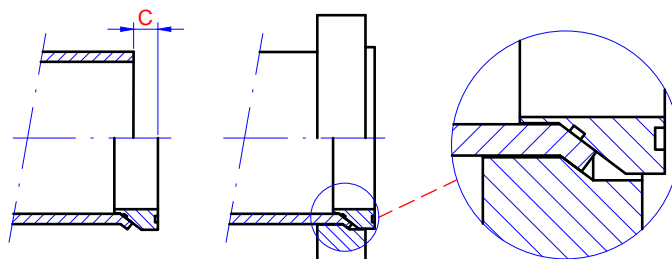
SAE 37° Flare Flanges, 6000 psi

Size	Part name	A	B	G	H	L	Bolt L DIN 912, 8.8	WP bar	Weight (kg)
1/2"	F37-608	18.2	40.5	48	56	20	M8x60(35)	420	0.20
3/4"	F37-612	23.8	50.8	60	71	25	M10x70(40)	420	0.42
1"	F37-616	27.8	57.2	70	81	25	M12x70(45)	420	0.51
1 1/4"	F37-620	31.78	66.7	78	95	30	M12x90(50)	420	0.86
1 1/4"	F37-621	31.78	66.7	78	95	30	M14x90(50)	420	0.86
1 1/2"	F37-624	36.5	79.4	95	113	35	M16x100(60)	420	1.45
2"	F37-632	44.5	96.8	114	133	40	M20x110(70)	420	2.35
2 1/2"	F37-640	58.7	123.8	150	175	50	M24x140(90)	420	5.95
3"	F37-648	71.4	152.4	178	215	50	M30x160(100)	420	7.95

L=Flange to flange
(L)=Flange to block

 FLARE FLANGE CONNECTION TYPE A WITH O-RING GROOVE

 ФЛАНЦЕВОЕ СОЕДИНЕНИЕ С ОТБОРТОВКОЙ – ТИП А



Type A - with O-ring groove, 3000 psi

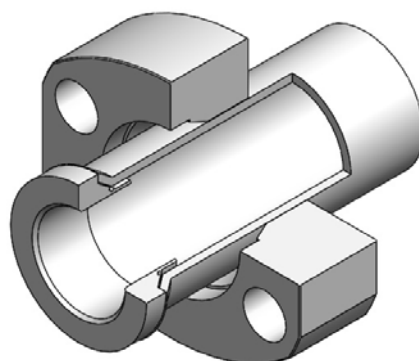
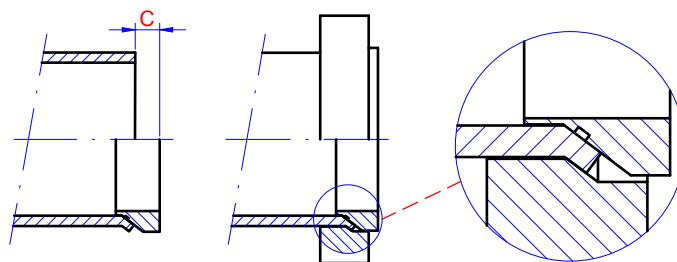
Size	Complete	Pipe Size	C	Weight	Body	O-ring	O-ring 2	Sleeve
1/2"	F37-308/16x 2,0A	16x2.0	10	0.22	F-08/16x 2,0A	18.64x 3.53	12x1.0	F08/16
1/2"	F37-308/18x 2,0A	18x2.0	11	0.21	F-08/18x 2,0A	18.64x 3.53	14x1.0	F08/18
1/2"	F37-308/20x 2,0A	20x2.0	9	0.22	F-08/20x 2,0A	18.64x 3.53	16x1.0	F08/20
1/2"	F37-308/25x 2,5A	25x2.5	9	0.22	F-08/25x 2,5A	18.64x 3.53	20x1.0	-
1/2"	F37-308/25x 3,0A	25x3.0	9	0.22	F-08/25x 3,0A	18.64x 3.53	19x1.0	-
3/4"	F37-312/20x 2,0A	20x2.0	12	0.36	F-12/20x 2,0A	24.99x 3.53	16x1.0	F12/20
3/4"	F37-312/20x 2,5A	20x2.5	12	0.31	F-12/20x 2,5A	24.99x 3.53	15x1.0	F12/20
3/4"	F37-312/25x 2,5A	25x2.5	9	0.34	F-12/25x 2,5A	24.99x 3.53	20x1.0	F12/25
3/4"	F37-312/25x 3,0A	25x3.0	10	0.34	F-12/25x 3,0A	24.99x 3.53	19x1.0	F12/25
3/4"	F37-312/30x 3,0A	30x3.0	9	0.31	F-12/30x 3,0A	24.99x 3.53	23x1.0	-
1"	F37-316/25x 2,5A	25x2.5	9	0.46	F-16/25x 2,5A	32.92x 3.53	20x1.0	F16/25
1"	F37-316/25x 3,0A	25x3.0	9	0.46	F-16/25x 3,0A	32.92x 3.53	19x1.0	F16/25
1"	F37-316/30x 3,0A	30x3.0	7	0.43	F-16/30x 3,0A	32.92x 3.53	23x1.0	F16/30
1"	F37-316/30x 4,0A	30x4.0	7	0.43	F-16/30x 4,0A	32.92x 3.53	22x1.0	F16/30
1"	F37-316/38x 4,0A	38x4.0	10	0.37	F-16/38x 4,0A	32.92x 3.53	30x1.0	-
1 1/4"	F37-320/30x 3,0A	30x3.0	10	0.61	F-20/30x 3,0A	37.69x 3.53	23x1.0	F20/30
1 1/4"	F37-320/30x 4,0A	30x4.0	10	0.50	F-20/30x 4,0A	37.69x 3.53	22x1.0	F20/30
1 1/4"	F37-320/38x 4,0A	38x4.0	9	0.56	F-20/38x 4,0A	37.69x 3.53	30x1.0	F20/38
1 1/4"	F37-320/38x5,0A	38x5.0	9	0.53	F-20/38x5,0A	37.69x3.53	28x1.0	F20/38
1 1/4"	F37-320/42x4,0A	42x4.0	11	0.51	F-20/42x4,0A	37.69x3.53	34x1.0	-
1 1/2"	F37-324/30x3,0A	30x3.0	14	0.91	F-24/30x3,0A	47.22x3.53	23x1.0	F24/30
1 1/2"	F37-324/38x4,0A	38x4.0	13	1.02	F-24/38x4,0A	47.22x3.53	30x1.0	F24/38
1 1/2"	F37-324/42x4,0A	42x4.0	13	0.97	F-24/42x4,0A	47.22x3.53	34x1.0	F24/42
1 1/2"	F37-324/50x5,0A	50x5.0	11	0.86	F-24/50x5,0A	47.22x3.53	41x1.78	-
2"	F37-332/50x5,0A	50x5.0	11	1.41	F-32/50x5,0A	56.75x3.53	41x1.78	F32/50
2"	F37-332/60x5,0A	60x5.0	11	1.23	F-32/60x5,0A	56.75x3.53	50.52x1.78	-
2"	F37-332/60x6,0A	60x6.0	11	1.23	F-32/60x6,0A	56.75x3.53	47.37x1.78	-
2 1/2"	F37-340/60x5,0A	60x5.0	12	2.11	F-40/60x5,0A	69.44x3.53	50.52x1.78	F40/60
2 1/2"	F37-340/73x7,0A	73x7.0	12	1.90	F-40/72x7,0A	69.44x3.53	56.87x1.78	-
2 1/2"	F37-340/73x5,0A	73x5.0	13	1.95	F-40/75x5,0A	69.44x3.53	63.22x1.78	-
3"	F37-348/73x5,0A	73x5.0	16	3.57	F-48/75x5,0A	85.32x3.53	63.22x1.78	F48/73
3"	F37-348/90x5,0A	90x5.0	14	3.07	F-48/90x5,0A	85.32x3.53	79x1.78	-

Type A – with O-ring groove, 6000 psi

Size	Complete	Pipe Size	C	Weight	Body	O-ring	O-ring 2	Sleeve
1/2"	F37-608/16x 2,0A	16x2.0	10	0.27	F-08/16x 2,0A	18.64x 3.53	12x1.0	F08/16
1/2"	F37-608/18x 2,0A	18x2.0	11	0.27	F-08/18x 2,0A	18.64x 3.53	14x1.0	F08/18
1/2"	F37-608/20x 2,0A	20x2.0	9	0.26	F-08/20x 2,0A	18.64x 3.53	16x1.0	F08/20
1/2"	F37-608/25x 2,5A	25x2.5	9	0.26	F-08/25x 2,5A	18.64x 3.53	20x1.0	-
1/2"	F37-608/25x 3,0A	25x3.0	9	0.24	F-08/25x 3,0A	18.64x 3.53	20x1.0	-
3/4"	F37-612/20x 2,0A	20x2.0	12	0.53	F-12/20x 2,0A	24.99x 3.53	16x1.0	F12/20
3/4"	F37-612/20x 2,5A	20x2.5	12	0.54	F-12/20x 2,5A	24.99x 3.53	15x1.0	F12/20
3/4"	F37-612/25x 2,5A	25x2.5	9	0.50	F-12/25x 2,5A	24.99x 3.53	20x1.0	F12/25
3/4"	F37-612/25x 3,0A	25x3.0	10	0.51	F-12/25x 3,0A	24.99x 3.53	20x1.0	F12/25
3/4"	F37-612/30x 3,0A	30x3.0	9	0.48	F-12/30x 3,0A	24.99x 3.53	23x1.0	-
3/4"	F37-612/30x 4,0A	30x4.0	9	0.50	F-12/30x 4,0A	24.99x 3.53	22x1.0	-
1"	F37-616/25x 2,5A	25x2.5	9	0.69	F-16/25x 2,5A	32.92x 3.53	20x1.0	F16/25
1"	F37-616/25x 3,0A	25x3.0	9	0.66	F-16/25x 3,0A	32.92x 3.53	20x1.0	F16/25
1"	F37-616/30x 3,0A	30x3.0	7	0.66	F-16/30x 3,0A	32.92x 3.53	23x1.0	F16/30
1"	F37-616/30x40A	30x4.0	7	0.66	F-16/30x 40A	32.92x 3.53	22x1.0	F16/30
1"	F37-616/38x 4,0A	38x4.0	10	0.60	F-16/38x 4,0A	32.92x 3.53	30x1.0	-
1 1/4"	F37-620/30x 3,0A	30x3.0	10	1.08	F-20/30x 3,0A	37.69x 3.53	23x1.0	F20/30
1 1/4"	F37-620/30x 4,0A	30x4.0	10	1.08	F-20/30x 4,0A	37.69x 3.53	22x1.0	F20/30
1 1/4"	F37-620/38x 4,0A	38x4.0	9	1.01	F-20/38x 4,0A	37.69x 3.53	30x1.0	F20/38
1 1/4"	F37-620/38x 5,0A	38x5.0	9	1.00	F-20/38x 5,0A	37.69x 3.53	28x1.0	F20/38
1 1/4"	F37-620/42x 4,0A	42x4.0	11	0.98	F-20/42x 4,0A	37.69x 3.53	34x1.0	-
1 1/2"	F37-624/30x 3,0A	30x3.0	14	1.16	F-24/30x 3,0A	47.22x 3.53	23x1.0	F24/30
1 1/2"	F37-624/38x 4,0A	38x4.0	13	1.76	F-24/38x 4,0A	47.22x 3.53	30x1.0	F24/38
1 1/2"	F37-624/38x 5,0A	38x5.0	13	1.73	F-24/38x 5,0A	47.22x 3.53	28x1.0	F24/38
1 1/2"	F37-624/42x 4,0A	42x4.0	13	1.71	F-24/42x 4,0A	47.22x 3.53	34x1.0	F24/42
1 1/2"	F37-624/50x 5,0A	50x5.0	11	1.60	F-24/50x 5,0A	47.22x 3.53	41x1.78	-
1 1/2"	F37-624/50x 6,0A	50x6.0	11	1.60	F-24/50x 5,0A	47.22x 3.53	37.82x1.78	-
1 1/2"	F37-624/56x 8,5A	56x8.5	12	1.60	F-24/56x 8,5A	47.22x 3.53	37.82x1.78	-
2"	F37-632/50x 5,0A	50x5.0	11	2.70	F-32/50x 5,0A	56.75x 3.53	41x1.78	F32/50
2"	F37-632/60x 5,0A	60x5.0	11	2.52	F-32/60x 5,0A	56.75x 3.53	50.52x1.78	-
2"	F37-632/60x 6,0A	60x6.0	11	2.56	F-32/60x 6,0A	56.75x 3.53	47.35x1.78	-
2"	F37-632/66x 8,5A	60x6.0	12	2,50	F-32/66x 8,5A	56.75x 3.53	47.35x1.78	-
2 1/2"	F37-632/60x 6,0A	60x6.0	12	7.55	F-40/60x 6,0A	69.44x 3.53	47.35x1.78	F40/60

 FLARE FLANGE CONNECTION TYPE B – FLAT FACE WITHOUT O-RING GROOVE

 ФЛАНЦЕВОЕ СОЕДИНЕНИЕ С ОТБОРТОВКОЙ – ТИП В

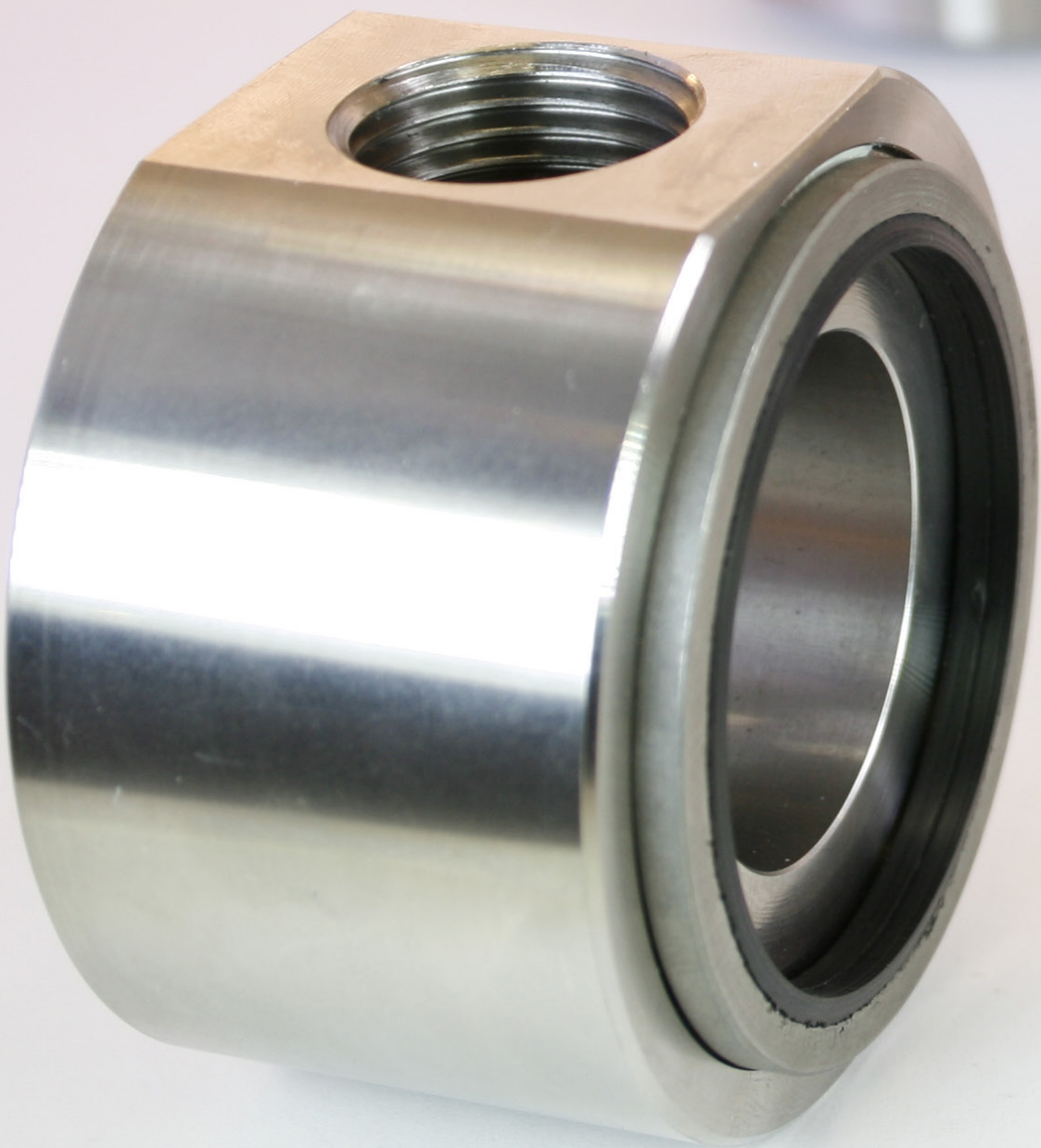


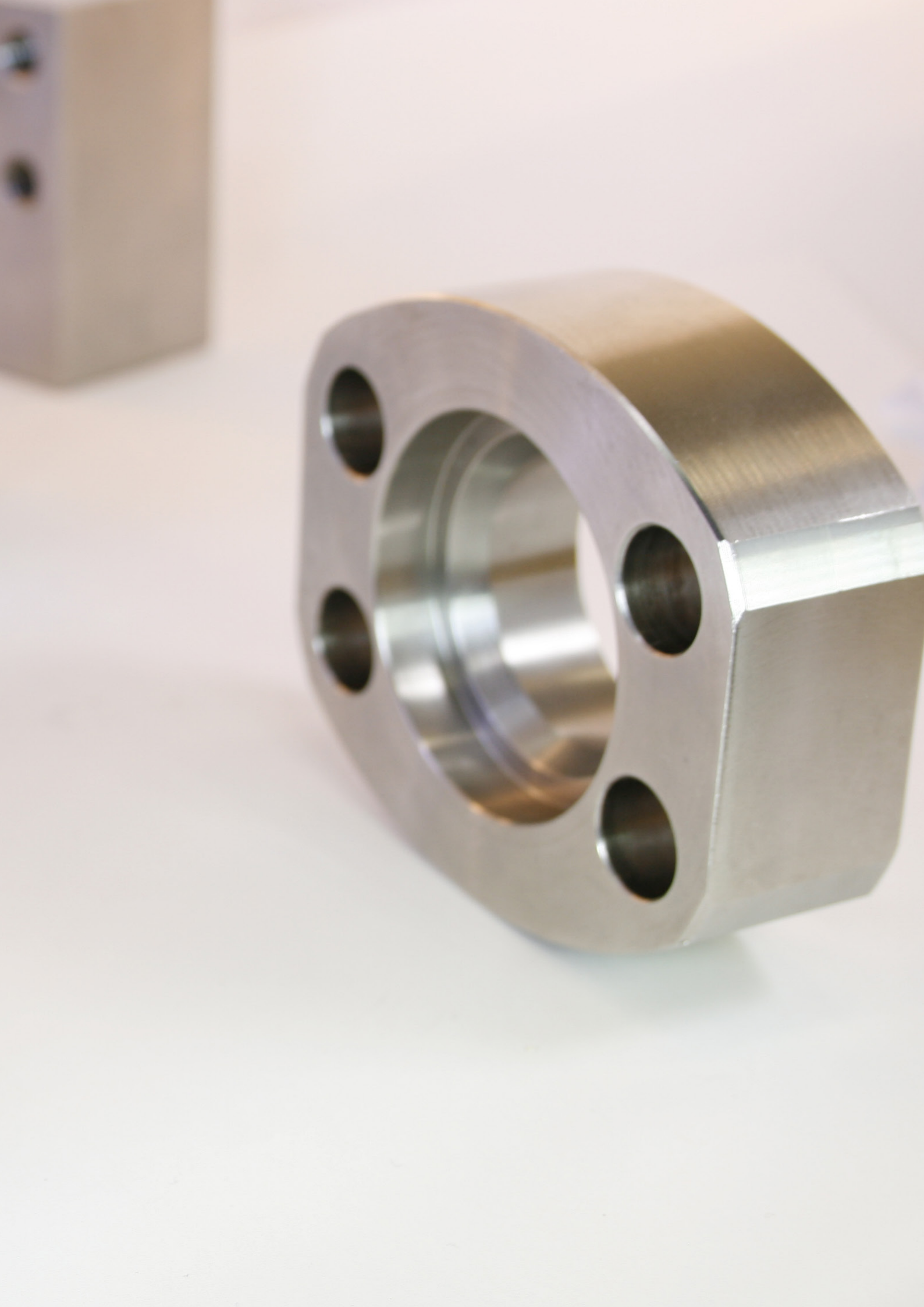
Type B - flat face without O-ring groove, 3000 psi

Size	Complete	Pipe Size	C	Weight	Body	O-ring	O-ring 2	Sleeve
1/2"	F37-308/16x 2,0B	16x2.0	10	0.27	F-08/16x 2,0B	18.64x 3.53	12x1.0	F08/16
1/2"	F37-308/18x 2,0B	18x2.0	11	0.21	F-08/18x 2,0B	18.64x 3.53	14x1.0	F08/18
1/2"	F37-308/20x 2,0B	20x2.0	9	0.22	F-08/20x 2,0B	18.64x 3.53	16x1.0	F08/20
1/2"	F37-308/25x 2,5B	25x2.5	9	0.22	F-08/25x 2,5B	18.64x 3.53	20x1.0	-
1/2"	F37-308/25x 3,0B	25x3.0	9	0.22	F-08/25x 3,0B	18.64x 3.53	19x1.0	-
3/4"	F37-312/20x 2,0B	20x2.0	12	0.36	F-12/20x 2,0B	24.99x 3.53	16x1.0	F12/20
3/4"	F37-312/20x 2,5B	20x2.5	12	0.31	F-12/20x 2,5B	24.99x 3.53	15x1.0	F12/20
3/4"	F37-312/25x 2,5B	25x2.5	9	0.34	F-12/25x 2,5B	24.99x 3.53	20x1.0	F12/25
3/4"	F37-312/25x 3,0B	25x3.0	10	0.34	F-12/25x 3,0B	24.99x 3.53	19x1.0	F12/25
3/4"	F37-312/30x 3,0B	30x3.0	9	0.31	F-12/30x 3,0B	24.99x 3.53	23x1.0	-
1"	F37-316/25x 2,5B	25x2.5	9	0.46	F-16/25x 2,5B	32.92x 3.53	20x1.0	F16/25
1"	F37-316/25x 3,0B	25x3.0	9	0.46	F-16/25x 3,0B	32.92x 3.53	19x1.0	F16/25
1"	F37-316/30x 3,0B	30x3.0	7	0.43	F-16/30x 3,0B	32.92x 3.53	23x1.0	F16/30
1"	F37-316/30x 4,0B	30x4.0	7	0.43	F-16/30x 4,0B	32.92x 3.53	22x1.0	F16/30
1"	F37-316/38x 4,0B	38x4.0	10	0.37	F-16/38x 4,0B	32.92x 3.53	30x1.0	-
1 1/4"	F37-320/30x 3,0B	30x3.0	10	0.61	F-20/30x 3,0B	37.69x 3.53	23x1.0	F20/30
1 1/4"	F37-320/30x 4,0B	30x4.0	10	0.50	F-20/30x 4,0B	37.69x 3.53	22x1.0	F20/30
1 1/4"	F37-320/38x 4,0B	38x4.0	9	0.56	F-20/38x 4,0B	37.69x 3.53	30x1.0	F20/38
1 1/4"	F37-320/38x 5,0B	38x5.0	9	0.53	F-20/38x 5,0B	37.69x3.53	28x1.0	F20/38
1 1/4"	F37-320/42x 4,0B	42x4.0	11	0.51	F-20/42x 4,0B	37.69x3.53	34x1.0	-
1 1/2"	F37-324/30x 3,0B	30x3.0	14	0.91	F-24/30x 3,0B	47.22x3.53	23x1.0	F24/30
1 1/2"	F37-324/38x 4,0B	38x4.0	13	1.02	F-24/38x 4,0B	47.22x3.53	30x1.0	F24/38
1 1/2"	F37-324/42x 4,0B	42x4.0	13	0.97	F-24/42x 4,0B	47.22x3.53	34x1.0	F24/42
1 1/2"	F37-324/50x 5,0B	50x5.0	11	0.86	F-24/50x 5,0B	47.22x3.53	41x1.78	-
2"	F37-332/50x 5,0B	50x5.0	11	1.41	F-32/50x 5,0B	56.75x3.53	41x1.78	F32/50
2"	F37-332/60x 5,0B	60x5.0	11	1.23	F-32/60x 5,0B	56.75x3.53	50.52x1.78	-
2"	F37-332/60x 6,0B	60x6.0	11	1.23	F-32/60x 6,0B	56.75x3.53	47.37x1.78	-
2 1/2"	F37-340/60x 5,0B	60x5.0	12	2.11	F-40/60x 5,0B	69.44x3.53	50.52x1.78	F40/60
2 1/2"	F37-340/73x 7,0B	73x7.0	12	1.90	F-40/72x 7,0B	69.44x3.53	56.87x1.78	-
2 1/2"	F37-340/73x 5,0B	73x5.0	13	1.95	F-40/75x 5,0B	69.44x3.53	63.22x1.78	-
3"	F37-348/73x 5,0B	73x5.0	16	3.57	F-48/75x 5,0B	85.32x3.53	63.22x1.78	F48/73
3"	F37-348/90x 5,0B	90x5.0	14	3.07	F-48/90x 5,0B	85.32x3.53	79x1.78	-

Type B - flat face without O-ring groove, 6000 psi

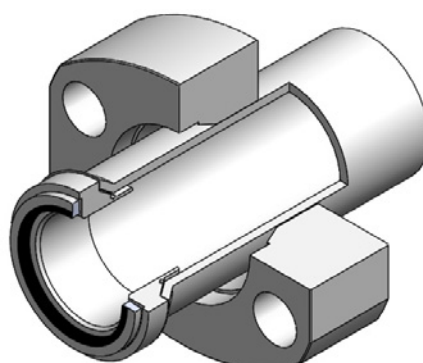
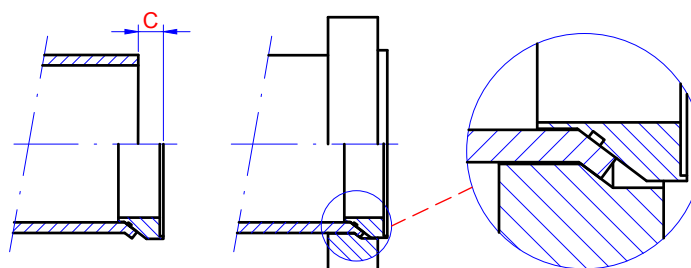
Size	Part Name	Pipe Size	C	Weight	Insert	O-ring 2	Sleeve
1/2"	F37-608/16x 2,0B	16x2.0	10	0.27	F-08/16x2,0B	12x1.0	F08/16
1/2"	F37-608/18x 2,0B	18x2.0	11	0.27	F-08/18x2,0B	14x1.0	F08/18
1/2"	F37-608/20x 2,0B	20x2.0	9	0.26	F-08/20x2,0B	16x1.0	F08/20
1/2"	F37-608/25x 2,5B	25x2.5	9	0.26	F-08/25x2,5B	20x1.0	-
1/2"	F37-608/25x 3,0B	25x3.0	9	0.24	F-08/25x3,0B	20x1.0	-
3/4"	F37-612/20x 2,0B	20x2.0	12	0.53	F-12/20x2,0B	16x1.0	F12/20
3/4"	F37-612/20x 2,5B	20x2.5	12	0.54	F-12/20x2,5B	15x1.0	F12/20
3/4"	F37-612/25x 2,5B	25x2.5	9	0.50	F-12/25x2,5B	20x1.0	F12/25
3/4"	F37-612/25x 3,0B	25x3.0	10	0.51	F-12/25x3,0B	20x1.0	F12/25
3/4"	F37-612/30x 3,0B	30x3.0	9	0.48	F-12/30x3,0B	23x1.0	-
3/4"	F37-612/30x 4,0B	30x4.0	9	0.50	F-12/30x4,0B	22x1.0	-
1"	F37-616/25x 2,5B	25x2.5	9	0.69	F-16/25x2,5B	20x1.0	F16/25
1"	F37-616/25x 3,0B	25x3.0	9	0.66	F-16/25x3,0B	20x1.0	F16/25
1"	F37-616/30x 3,0B	30x3.0	7	0.66	F-16/30x3,0B	23x1.0	F16/30
1"	F37-616/30x 4,0B	30x4.0	7	0.66	F-16/30x4,0B	22x1.0	F16/30
1"	F37-616/38x 4,0B	38x4.0	10	0.60	F-16/38x4,0B	30x1.0	-
1 1/4"	F37-620/30x 3,0B	30x3.0	10	1.08	F-20/30x 3,0B	23x1.0	F20/30
1 1/4"	F37-620/30x 4,0B	30x4.0	10	1.08	F-20/30x4,0B	22x1.0	F20/30
1 1/4"	F37-620/38x 4,0B	38x4.0	9	1.01	F-20/38x4,0B	30x1.0	F20/38
1 1/4"	F37-620/38x 5,0B	38x5.0	9	1.00	F-20/38x5,0B	28x1.0	F20/38
1 1/4"	F37-620/42x 4,0B	42x4.0	11	0.98	F-20/42x4,0B	34x1.0	-
1 1/2"	F37-624/30x 3,0B	30x3.0	14	1.16	F-24/30x3,0B	23x1.0	F24/30
1 1/2"	F37-624/38x 4,0B	38x4.0	13	1.76	F-24/38x4,0B	30x1.0	F24/38
1 1/2"	F37-624/38x 5,0B	38x5.0	13	1.73	F-24/38x5,0B	28x1.0	F24/38
1 1/2"	F37-624/42x 4,0B	42x4.0	13	1.71	F-24/42x4,0B	34x1.0	F24/42
1 1/2"	F37-624/50x 5,0B	50x5.0	11	1.60	F-24/50x5,0B	41x1.78	-
1 1/2"	F37-624/50x 6,0B	50x6.0	11	1.70	F-24/50x6,0B	37.82x1.78	-
1 1/2"	F37-624/56x 8,5B	56x8.5	12	1.60	F-24/56x8,5B	37.82x1.78	-
2"	F37-632/50x 5,0B	50x5.0	11	2.70	F-32/50x5,0B	41x1.78	F32/50
2"	F37-632/60x 5,0B	60x5.0	11	2.52	F-32/60x5,0B	50.52x1.78	-
2"	F37-632/60x 6,0B	60x6.0	11	2.52	F-32/60x6,0B	47.37x1.78	-
2"	F37-632/66x 8,5B	66x8.5	12	2.50	F-32/66x8,5B	47.37x1.78	-
2 1/2"	F37-640/60x 6,0B	60x6.0	12	7.55	F-40/60x6,0B	47.37x1.78	F40/60
2 1/2"	F37-640/73x 7,0B	73x7.0	12	8.30	F-40/73x7,0B	56.87x1.78	-





FLARE FLANGE CONNECTION TYPE C – WITH BONDED SEAL GROOVE

ФЛАНЦЕВОЕ СОЕДИНЕНИЕ С ОТБОРТОВКОЙ – ТИП С

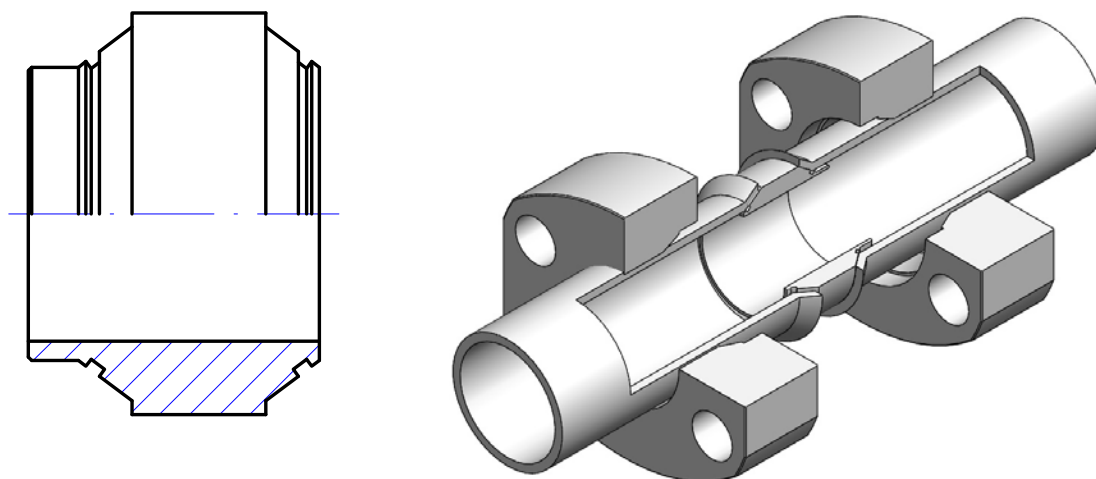


Type C - with bonded seal groove, 3000 psi

Size	Part Name	Pipe Size	C	Weight	Insert	O-ring 2	Sleeve
1/2"	F37-308/16x2.0C	16x2.0	10	0.22	F-08/16x2.0C	12x1.0	F08/16
1/2"	F37-308/18x2.0C	18x2.0	11	0.21	F-08/18x2.0C	14x1.0	F08/18
1/2"	F37-308/20x2.0C	20x2.0	9	0.22	F-08/20x2.0C	16x1.0	F08/20
1/2"	F37-308/25x2.5C	25x2.5	9	0.22	F-08/25x2.5C	20x1.0	-
1/2"	F37-308/25x3.0C	25x3.0	9	0.22	F-08/25x3.0C	20x1.0	-
3/4"	F37-312/20x2.0C	20x2.0	12	0.36	F-12/20x2.0C	16x1.0	F12/20
3/4"	F37-312/20x2.5C	20x2.5	12	0.31	F-12/20x2.5C	15x1.0	F12/20
3/4"	F37-312/25x2.5C	25x2.5	9	0.34	F-12/25x2.5C	20x1.0	F12/25
3/4"	F37-312/25x3.0C	25x3.0	10	0.34	F-12/25x3.0C	20x1.0	F12/25
3/4"	F37-312/30x3.0C	30x3.0	9	0.31	F-12/30x3.0C	23x1.0	-
1"	F37-316/25x2.5C	25x2.5	9	0.46	F-16/25x2.5C	20x1.0	F16/25
1"	F37-316/25x3.0C	25x3.0	9	0.46	F-16/25x3.0C	20x1.0	F16/25
1"	F37-316/30x3.0C	30x3.0	7	0.43	F-16/30x3.0C	23x1.0	F16/30
1"	F37-316/30x4.0C	30x4.0	7	0.43	F-16/30x4.0C	22x1.0	F16/30
1"	F37-316/38x4.0C	38x4.0	10	0.37	F-16/38x4.0C	30x1.0	-
1 1/4"	F37-320/30x3.0C	30x3.0	10	0.61	F-20/30x3.0C	23x1.0	F20/30
1 1/4"	F37-320/30x4.0C	30x4.0	10	0.50	F-20/30x4.0C	22x1.0	F20/30
1 1/4"	F37-320/38x4.0C	38x4.0	9	0.56	F-20/38x4.0C	30x1.0	F20/38
1 1/4"	F37-320/38x5.0C	38x5.0	9	0.53	F-20/38x5.0C	28x1.0	F20/38
1 1/4"	F37-320/42x4.0C	42x4.0	11	0.51	F-20/42x4.0C	34x1.0	-
1 1/2"	F37-324/30x3.0C	30x3.0	14	0.91	F-24/30x3.0C	23x1.0	F24/30
1 1/2"	F37-324/38x4.0C	38x4.0	13	1.02	F-24/38x4.0C	30x1.0	F24/38
1 1/2"	F37-324/42x4.0C	42x4.0	13	0.97	F-24/42x4.0C	34x1.0	F24/42
1 1/2"	F37-324/50x5.0C	50x5.0	11	0.86	F-24/50x5.0C	41x1.78	-
2"	F37-332/50x5.0C	50x5.0	11	1.41	F-32/50x5.0C	41x1.78	F32/50
2"	F37-332/60x5.0C	60x5.0	11	1.23	F-32/60x5.0C	50.52x1.78	-
2"	F37-332/60x6.0C	60x6.0	11	1.23	F-32/60x6.0C	47.37x1.78	-
2 1/2"	F37-340/60x5.0C	60x5.0	12	2.11	F-40/60x5.0C	50.52x1.78	F40/60
2 1/2"	F37-340/73x7.0C	73x7.0	12	1.90	F-40/73x7.0C	56.87x1.78	-
2 1/2"	F37-340/73x5.0C	73x5.0	13	1.95	F-40/73x5.0C	63.22x1.78	-
3"	F37-348/73x5.0C	73x5.0	16	3.57	F-48/73x5.0C	63.22x1.78	F48/73
3"	F37-348/90x5.0C	90x5.0	14	3.07	F-48/90x5.0C	79x1.78	-

Type C – with bonded seal groove, 6000 psi

Size	Part Name	Pipe Size	C	Weight	Insert	O-ring 2	Sleeve
1/2"	F37-608/16x2.0C	16x2.0	10	0.27	F-08/16x2.0C	12x1.0	F08/16
1/2"	F37-608/18x2.0C	18x2.0	11	0.27	F-08/18x2.0C	14x1.0	F08/18
1/2"	F37-608/20x2.0C	20x2.0	9	0.26	F-08/20x2.0C	16x1.0	F08/20
1/2"	F37-608/25x2.5C	25x2.5	9	0.26	F-08/25x2.5C	20x1.0	-
1/2"	F37-608/25x3.0C	25x3.0	9	0.24	F-08/25x3.0C	20x1.0	-
3/4"	F37-612/20x2.0C	20x2.0	12	0.53	F-12/20x2.0C	16x1.0	F12/20
3/4"	F37-612/20x2.5C	20x2.5	12	0.54	F-12/20x2.5C	15x1.0	F12/20
3/4"	F37-612/25x2.5C	25x2.5	9	0.50	F-12/25x2.5C	20x1.0	F12/25
3/4"	F37-612/25x3.0C	25x3.0	10	0.51	F-12/25x3.0C	20x1.0	F12/25
3/4"	F37-612/30x3.0C	30x3.0	9	0.48	F-12/30x3.0C	23x1.0	-
3/4"	F37-612/30x4.0C	30x4.0	9	0.50	F-12/30x4.0C	22x1.0	-
1"	F37-616/25x2.5C	25x2.5	9	0.69	F-16/25x2.5C	20x1.0	F16/25
1"	F37-616/25x3.0C	25x3.0	9	0.66	F-16/25x3.0C	20x1.0	F16/25
1"	F37-616/30x3.0C	30x3.0	7	0.66	F-16/30x3.0C	23x1.0	F16/30
1"	F37-616/30x4.0C	30x4.0	7	0.66	F-16/30x4.0C	22x1.0	F16/30
1"	F37-616/38x4.0C	38x4.0	10	0.60	F-16/38x4.0C	30x1.0	-
1 1/4"	F37-620/30x3.0C	30x3.0	10	1.08	F-20/30x3.0C	23x1.0	F20/30
1 1/4"	F37-620/30x4.0C	30x4.0	10	1.08	F-20/30x4.0C	22x1.0	F20/30
1 1/4"	F37-620/38x4.0C	38x4.0	9	1.01	F-20/38x4.0C	30x1.0	F20/38
1 1/4"	F37-620/38x5.0C	38x5.0	9	1.00	F-20/38x5.0C	28x1.0	F20/38
1 1/4"	F37-620/42x4.0C	42x4.0	11	0.98	F-20/42x4.0C	34x1.0	-
1 1/2"	F37-624/30x3.0C	30x3.0	14	1.16	F-24/30x3.0C	23x1.0	F24/30
1 1/2"	F37-624/38x4.0C	38x4.0	13	1.76	F-24/38x4.0C	30x1.0	F24/38
1 1/2"	F37-624/38x5.0C	38x5.0	13	1.73	F-24/38x5.0C	28x1.0	F24/38
1 1/2"	F37-624/42x4.0C	42x4.0	13	1.71	F-24/42x4.0C	34x1.0	F24/42
1 1/2"	F37-624/50x5.0C	50x5.0	11	1.60	F-24/50x5.0C	41x1.78	-
1 1/2"	F37-624/50x6.0C	50x6.0	11	1.70	F-24/50x6.0C	37.82x1.78	-
1 1/2"	F37-624/56x8.5C	56x8.5	12	1.60	F-24/56x8.5C	37.82x1.78	-
2"	F37-632/50x5.0C	50x5.0	11	2.70	F-32/50x5.0C	41x1.78	F32/50
2"	F37-632/60x5.0C	60x5.0	11	2.52	F-32/60x5.0C	50.52x1.78	-
2"	F37-632/60x6.0C	60x6.0	11	2.60	F-32/60x6.0C	47.37x1.78	-
2"	F37-632/66x8.5C	66x8.5	12	2.52	F-32/66x8.5C	47.37x1.78	-
2 1/2"	F37-640/60x6.0C	60x6.0	12	7.55	F-40/60x6.0C	47.37x1.78	F40/60

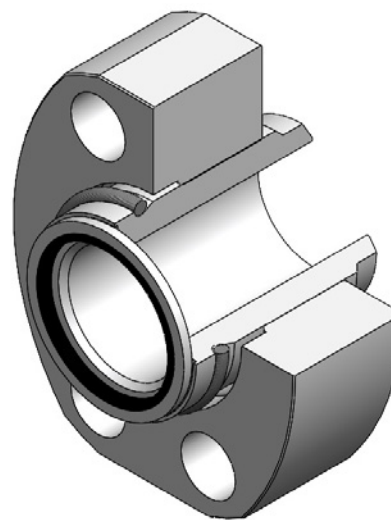
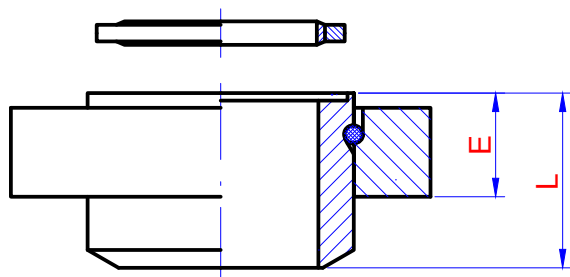
 FLARE FLANGE CONNECTION TYPE D – STRAIGHT COUPLINGS
 ФЛАНЦЕВОЕ СОЕДИНЕНИЕ С ОТБОРТОВКОЙ – ТИП D


Type D - straight coupling, 3000 psi

Size	Part Name	Pipe Size	Weight	Insert	O-ring 2	Sleeve
1/2"	F37-308/16x2.0D	16x2.0	0.39	F-08/16x2.0D	12x1.0	F08/16
1/2"	F37-308/18x2.0D	18x2.0	0.38	F-08/18x2.0D	14x1.0	F08/18
1/2"	F37-308/20x2.0D	20x2.0	0.39	F-08/20x2.0D	16x1.0	F08/20
1/2"	F37-308/25x2.5D	25x2.5	0.39	F-08/25x2.5D	20x1.0	-
1/2"	F37-308/25x3.0D	25x3.0	0.39	F-08/25x3.0D	20x1.0	-
3/4"	F37-312/20x2.0D	20x2.0	0.60	F-12/20x2.0D	16x1.0	F12/20
3/4"	F37-312/20x2.5D	20x2.5	0.55	F-12/20x2.5D	15x1.0	F12/20
3/4"	F37-312/25x2.5D	25x2.5	0.57	F-12/25x2.5D	20x1.0	F12/25
3/4"	F37-312/25x3.0D	25x3.0	0.57	F-12/25x3.0D	20x1.0	F12/25
3/4"	F37-312/30x3.0D	30x3.0	0.55	F-12/30x3.0D	23x1.0	-
1"	F37-316/25x2.5D	25x2.5	0.72	F-16/25x2.5D	20x1.0	F16/25
1"	F37-316/25x3.0D	25x3.0	0.72	F-16/25x3.0D	20x1.0	F16/25
1"	F37-316/30x3.0D	30x3.0	0.69	F-16/30x3.0D	23x1.0	F16/30
1"	F37-316/30x4.0D	30x4.0	0.69	F-16/30x4.0D	22x1.0	F16/30
1"	F37-316/38x4.0D	38x4.0	0.62	F-16/38x4.0D	30x1.0	-
1 1/4"	F37-320/30x3.0D	30x3.0	1.01	F-20/30x3.0D	23x1.0	F20/30
1 1/4"	F37-320/30x4.0D	30x4.0	0.90	F-20/30x4.0D	22x1.0	F20/30
1 1/4"	F37-320/38x4.0D	38x4.0	0.96	F-20/38x4.0D	30x1.0	F20/38
1 1/4"	F37-320/38x5.0D	38x5.0	0.93	F-20/38x5.0D	28x1.0	F20/38
1 1/4"	F37-320/42x4.0D	42x4.0	0.91	F-20/42x4.0D	34x1.0	-
1 1/2"	F37-324/30x3.0D	30x3.0	1.57	F-24/30x3.0D	23x1.0	F24/30
1 1/2"	F37-324/38x4.0D	38x4.0	1.67	F-24/38x4.0D	30x1.0	F24/38
1 1/2"	F37-324/42x4.0D	42x4.0	1.63	F-24/42x4.0D	34x1.0	F24/42
1 1/2"	F37-324/50x5.0D	50x5.0	1.52	F-24/50x5.0D	41x1.78	-
2"	F37-332/50x5.0D	50x5.0	2.42	F-32/50x5.0D	41x1.78	F32/50
2"	F37-332/60x5.0D	60x5.0	2.24	F-32/60x5.0D	50.52x1.78	-
2"	F37-332/60x6.0D	60x6.0	2.24	F-32/60x6.0D	47.37x1.78	-
2 1/2"	F37-340/60x5.0D	60x5.0	3.61	F-40/60x5.0D	50.52x1.78	F40/60
2 1/2"	F37-340/73x7.0D	73x7.0	3.40	F-40/73x7.0D	56.87x1.78	-
2 1/2"	F37-340/73x5.0D	73x5.0	3.34	F-40/73x5.0D	63.22x1.78	-
3"	F37-348/73x5.0D	73x5.0	4.45	F-48/73x5.0D	63.22x1.78	F48/73
3"	F37-348/90x5.0D	90x5.0	5.64	F-48/90x5.0D	79x1.78	-

Type D - straight coupling, 6000 psi

Size	Part Name	Pipe Size	Weight	Insert	O-ring 2	Sleeve
1/2"	F37-608/16x2.0D	16x2.0	0.52	F-08/16x2.0D	12x1.0	F08/16
1/2"	F37-608/18x2.0D	18x2.0	0.53	F-08/18x2.0D	14x1.0	F08/18
1/2"	F37-608/20x2.0D	20x2.0	0.51	F-08/20x2.0D	16x1.0	F08/20
1/2"	F37-608/25x2.5D	25x2.5	0.50	F-08/25x2.5D	20x1.0	-
1/2"	F37-608/25x3.0D	25x3.0	0.49	F-08/25x3.0D	20x1.0	-
3/4"	F37-612/20x2.0D	20x2.0	1.05	F-12/20x2.0D	16x1.0	F12/20
3/4"	F37-612/20x2.5D	20x2.5	1.06	F-12/20x2.5D	15x1.0	F12/20
3/4"	F37-612/25x2.5D	25x2.5	1.01	F-12/25x2.5D	20x1.0	F12/25
3/4"	F37-612/25x3.0D	25x3.0	1.01	F-12/25x3.0D	20x1.0	F12/25
3/4"	F37-612/30x3.0D	30x3.0	1.00	F-12/30x3.0D	23x1.0	-
3/4"	F37-612/30x4.0D	30x4.0	1.00	F-12/30x4.0D	22x1.0	-
1"	F37-616/25x2.5D	25x2.5	1.34	F-16/25x2.5D	20x1.0	F16/25
1"	F37-616/25x3.0D	25x3.0	1.33	F-16/25x3.0D	20x1.0	F16/25
1"	F37-616/30x3.0D	30x3.0	1.27	F-16/30x3.0D	23x1.0	F16/30
1"	F37-616/30x4.0D	30x4.0	1.28	F-16/30x4.0D	22x1.0	F16/30
1"	F37-616/38x4.0D	38x4.0	1.20	F-16/38x4.0D	30x1.0	-
1 1/4"	F37-620/30x3.0D	30x3.0	2.12	F-20/30x3.0D	23x1.0	F20/30
1 1/4"	F37-620/30x4.0D	30x4.0	2.11	F-20/30x4.0D	22x1.0	F20/30
1 1/4"	F37-620/38x4.0D	38x4.0	2.03	F-20/38x4.0D	30x1.0	F20/38
1 1/4"	F37-620/38x5.0D	38x5.0	2.02	F-20/38x5.0D	28x1.0	F20/38
1 1/4"	F37-620/42x4.0D	42x4.0	2.01	F-20/42x4.0D	34x1.0	-
1 1/2"	F37-624/30x3.0D	30x3.0	2.95	F-24/30x3.0D	23x1.0	F24/30
1 1/2"	F37-624/38x4.0D	38x4.0	3.54	F-24/38x4.0D	30x1.0	F24/38
1 1/2"	F37-624/38x5.0D	38x5.0	3.43	F-24/38x5.0D	28x1.0	-
1 1/2"	F37-624/42x4.0D	42x4.0	3.45	F-24/42x4.0D	34x1.0	F24/42
1 1/2"	F37-624/50x5.0D	50x5.0	3.29	F-24/50x5.0D	41x1.78	-
1 1/2"	F37-624/50x6.0D	50x6.0	3.40	F-24/50x6.0D	37.82x1.78	-
1 1/2"	F37-624/56x8.5D	56x8.5	3.30	F-24/56x8.5D	37.82x1.78	-
2"	F37-632/50x5.0D	50x5.0	5.27	F-32/50x5.0D	41x1.78	F32/50
2"	F37-632/60x5.0D	60x5.0	5.06	F-32/60x5.0D	50.52x1.78	-
2"	F37-632/60x6.0D	60x6.0	5.06	F-32/60x6.0D	47.37x1.78	-
2"	F37-632/66x8.5D	66x8.5	5.00	F-32/66x8.5D	47.37x1.78	-
2 1/2"	F37-640/60x6.0D	60x6.0	11.55	F-40/60x6.0D	47.37x1.78	F40/60
2 1/2"	F37-640/73x7.0D	73x7.0	11.10	F-40/73x7.0D	56.87x1.78	-

**FLANGE FOR WELDING (COMPLETE)****ПРИВАРНОЙ СТАКАН С ФЛАНЦЕМ (ПОЛНЫЙ)**

Flange for Welding (1/2" - 1"), 3000 psi

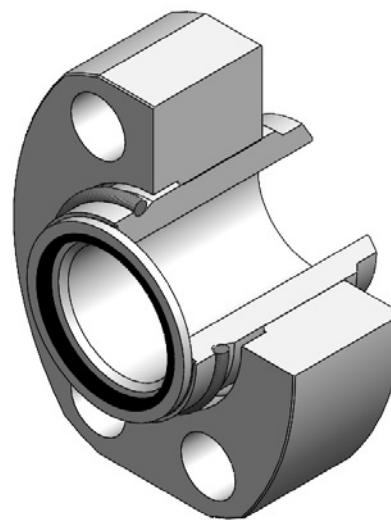
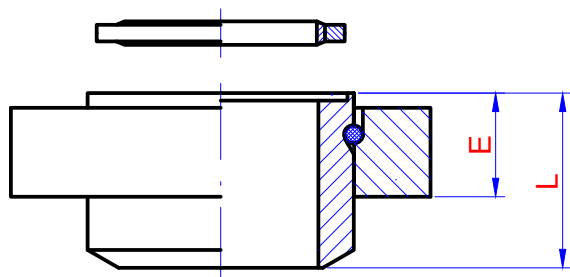
Size	Part Name	Pipe Size	L	E	Weight	Body
1/2"	FW-308001	12.0x1.5	40	23	0.26	08001
1/2"	FW-308002	16.0x2.0	40	23	0.25	08002
1/2"	FW-308003	18.0x2.0	40	23	0.25	08003
1/2"	FW-308004	20.0x2.5	40	23	0.26	08004
1/2"	FW-308005	25.0x2.5	40	23	0.26	08005
1/2"	FW-308009	21.3x3.7	40	23	0.26	08009
1/2"	FW-308011	26.0x6.0	45	23	0.30	08011
1/2"	FW-308082	21.3x2.1	40	23	0.27	08082
1/2"	FW-308083	21.3x2.8	40	23	0.27	08083
1/2"	FW-308085	21.3x4.8	40	23	0.28	08085
1/2"	FW-308086	21.3x7.5	45	23	0.30	08086
3/4"	FW-312001	20.0x2.5	40	23	0.37	12001
3/4"	FW-312002	25.0x3.0	40	23	0.36	12002
3/4"	FW-312003	30.0x4.0	40	23	0.37	12003
3/4"	FW-312004	30.0x6.0	40	23	0.39	12004
3/4"	FW-312005	30.0x3.0	40	23	0.36	12005
3/4"	FW-312009	26.7x3.9	45	23	0.37	12009
3/4"	FW-312011	36.0x8.0	40	23	0.43	12011
3/4"	FW-312082	26.7x2.1	40	23	0.49	12082
3/4"	FW-312083	26.7x2.8	40	23	0.50	12083
3/4"	FW-312085	26.7x5.6	40	23	0.52	12085
3/4"	FW-312086	26.7x7.8	45	23	0.52	12086
1"	FW-316001	25.0x3.0	40	23	0.46	16001
1"	FW-316002	30.0x4.0	40	23	0.45	16002
1"	FW-316003	38.0x5.0	40	23	0.47	16003
1"	FW-316004	38.0x7.0	40	23	0.47	16004
1"	FW-316005	38.0x4.0	40	23	0.47	16005
1"	FW-316009	33.4x4.6	40	23	0.45	16009
1"	FW-316011	39.0x7.5	50	23	0.53	16011
1"	FW-316082	33.4x2.8	40	23	0.44	16082
1"	FW-316083	33.4x3.4	40	23	0.45	16083
1"	FW-316085	33.4x6.5	50	23	0.45	16085
1"	FW-316086	33.4x9.1	50	23	0.52	16086

Flange For Welding (1 1/4" - 1 1/2"), 3000 psi

Size	Part Name	Pipe Size	L	E	Weight	Body
1 1/4"	FW-320001	30.0x4.0	40	25	0.66	20001
1 1/4"	FW-320002	38.0x5.0	40	25	0.63	20002
1 1/4"	FW-320003	42.0x6.0	40	25	0.62	20001
1 1/4"	FW-320004	46.0x7.0	50	25	0.72	20004
1 1/4"	FW-320005	42.0x4.0	40	25	0.60	20005
1 1/4"	FW-320009	42.2x4.9	40	25	0.62	20009
1 1/4"	FW-320011	46.0x8.0	55	25	0.75	20011
1 1/4"	FW-320082	42.2x2.7	40	25	0.66	20082
1 1/4"	FW-320083	42.2x3.6	40	25	0.72	20083
1 1/4"	FW-320085	42.2x6.4	50	25	0.65	20085
1 1/4"	FW-320086	42.2x9.7	50	25	0.80	20086
1 1/2"	FW-324001	38.0x5.0	45	28	1.08	24001
1 1/2"	FW-324002	50.0x6.0	45	28	1.01	24002
1 1/2"	FW-324003	50.0x9.0	45	28	1.10	24003
1 1/2"	FW-324005	50.0x5.0	45	28	1.00	24005
1 1/2"	FW-324009	48.3x5.1	45	28	0.99	24009
1 1/2"	FW-324011	56.0x8.5	60	28	1.18	24011
1 1/2"	FW-324082	48.3x2.8	45	28	1.19	24082
1 1/2"	FW-324083	48.3x3.7	45	28	1.09	24083
1 1/2"	FW-324085	48.3x7.1	60	28	1.22	24085
1 1/2"	FW-324086	48.3x10.2	60	28	1.23	24086

Flange for Welding (2" - 3"), 3000 psi

Size	Part Name	Pipe Size	L	E	Weight	Body
2"	FW-332001	50.0x9.0	50	33	1.62	32001
2"	FW-332002	60.0x6.0	50	33	1.43	32002
2"	FW-332003	60.0x8.0	50	33	1.53	32003
2"	FW-332005	60.0x5.0	50	33	1.42	32005
2"	FW-332008	48.3x5.6	50	33	1.54	32008
2"	FW-332009	60.0x10.0	50	33	1.60	32009
2"	FW-332011	66.0x8.5	75	33	1.78	32011
2"	FW-332082	60.3x2.8	50	33	1.40	32082
2"	FW-332083	60.3x3.9	50	33	1.45	32083
2"	FW-332084	60.3x5.5	50	33	1.50	32084
2"	FW-332085	60.3x8.7	75	33	1.65	32085
2"	FW-332086	60.3x11.1	75	33	1.65	32086
2 1/2"	FW-340003	65.0x8.5	50	43	2.44	40003
2 1/2"	FW-340005	75.0x5.0	50	43	2.22	40005
2 1/2"	FW-340006	76.1x6.3	50	43	2.24	40006
2 1/2"	FW-340007	76.1x12.5	50	43	2.48	40007
2 1/2"	FW-340010	73.0x7.0	50	43	2.25	40010
2 1/2"	FW-340011	80.0x10.0	90	43	2.96	40011
3"	FW-348003	90.0x5.0	60	56	4.23	48003
3"	FW-348004	76.1x12.5	60	56	3.68	48004
3"	FW-348005	80.0x10.0	60	56	3.89	48005
3"	FW-348006	88.9x8.8	60	56	3.76	48006
3"	FW-348007	88.9x12.5	60	56	3.89	48007
3"	FW-348010	88.9x7.6	60	56	3.51	48010
3"	FW-348011	97.0x12.0	110	56	4.91	48011
3"	FW-348082	88.9x3.18	60	56	3.21	48082
3"	FW-348083	88.9x5.5	60	56	3.43	48083
3"	FW-348084	88.9x7.7	110	56	4.02	48084
3"	FW-348085	88.9x11.1	110	56	4.30	48085
3"	FW-348086	88.9x15.2	110	56	4.35	48086

**FLANGE FOR WELDING (COMPLETE)****ПРИВАРНОЙ СТАКАН С ФЛАНЦЕМ (ПОЛНЫЙ)****Flange for Welding (1/2" - 1"), 6000 psi**

Size	Part Name	Pipe Size	L	E	Weight	Body
1/2"	FW-608001	12.0x1.5	40	23	0.29	08001
1/2"	FW-608002	16.0x2.0	40	23	0.27	08002
1/2"	FW-608003	18.0x2.0	40	23	0.28	08003
1/2"	FW-608004	20.0x2.5	40	23	0.29	08004
1/2"	FW-608005	25.0x2.5	40	23	0.29	08005
1/2"	FW-608009	21.3x3.7	40	23	0.29	08009
1/2"	FW-608011	26.0x6.0	45	23	0.32	08011
1/2"	FW-608082	21.3xa2.1	40	23	0.27	08082
1/2"	FW-608083	21.3x2.8	40	23	0.27	08083
1/2"	FW-608085	21.3x4.8	40	23	0.27	08085
1/2"	FW-608086	21.3x7.5	45	23	0.30	08086
3/4"	FW-612001	20.0x2.5	40	28	0.54	12001
3/4"	FW-612002	25.0x3.0	40	28	0.53	12002
3/4"	FW-612003	30.0x4.0	40	28	0.54	12003
3/4"	FW-612004	30.0x6.0	40	28	0.56	12004
3/4"	FW-612005	30.0x3.0	40	28	0.53	12005
3/4"	FW-612009	26.7x3.9	40	28	0.54	12009
3/4"	FW-612011	36.0x8.0	45	28	0.60	12011
3/4"	FW-612082	26.7x2.1	40	28	0.48	12082
3/4"	FW-612083	26.7x2.8	40	28	0.48	12083
3/4"	FW-612085	26.7x5.6	40	28	0.51	12085
3/4"	FW-612086	26.7x7.8	45	28	0.55	12086
1"	FW-616001	25.0x3.0	40	28	0.75	16001
1"	FW-616002	30.0x4.0	40	28	0.74	16002
1"	FW-616003	38.0x5.0	40	28	0.77	16003
1"	FW-616004	38.0x7.0	40	28	0.77	16004
1"	FW-616005	38.0x4.0	40	28	0.76	16005
1"	FW-616009	33.4x4.6	40	28	0.75	16009
1"	FW-616011	39.0x7.5	50	28	0.82	16011
1"	FW-616082	33.4x2.8	40	28	0.62	16082
1"	FW-616083	33.4x3.4	40	28	0.65	16083
1"	FW-616085	33.4x6.4	50	28	0.70	16085

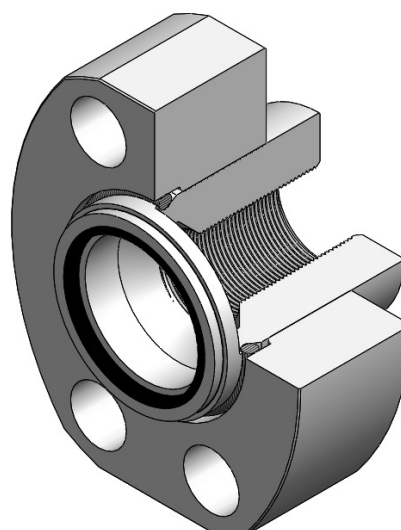
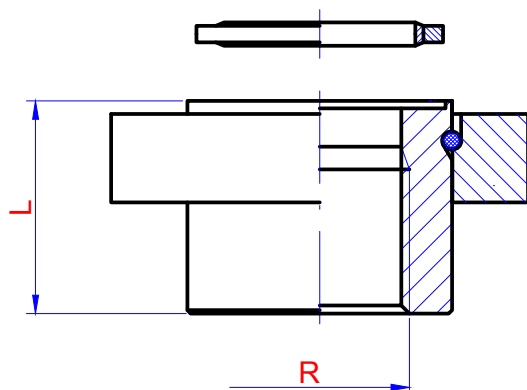
Flange for Welding (1 1/4" - 2"), 6000 psi

Size	Part Name	Pipe Size	L	E	Weight	Body
1 1/4"	FW-620001	30.0x4.0	40	33	1.10	20001
1 1/4"	FW-620002	38.0x5.0	40	33	1.07	20002
1 1/4"	FW-620003	42.0x6.0	40	33	1.07	20003
1 1/4"	FW-620004	46.0x7.0	50	33	1.07	20004
1 1/4"	FW-620005	42.0x4.0	40	33	1.05	20005
1 1/4"	FW-620009	42.2x4.9	40	33	1.06	20009
1 1/4"	FW-620011	46.0x8.0	40	33	1.19	20011
1 1/4"	FW-620082	42.2x2.7	40	33	1.01	20082
1 1/4"	FW-620083	42.2x3.6	40	33	1.06	20083
1 1/4"	FW-620085	42.2x6.4	50	33	1.12	20085
1 1/4"	FW-620086	42.2x9.7	50	23	0.80	20086
1 1/2"	FW-624001	39.0x5.0	45	38	1.81	24001
1 1/2"	FW-624002	50.0x6.0	45	38	1.74	24002
1 1/2"	FW-624003	50.0x9.0	45	38	1.83	24003
1 1/2"	FW-624005	50.0x5.0	45	38	1.73	24005
1 1/2"	FW-624009	48.3x5.1	45	38	1.72	24009
1 1/2"	FW-624011	56.0x8.5	60	38	1.91	24011
1 1/2"	FW-624082	48.3x2.8	45	38	1.33	24082
1 1/2"	FW-624083	48.3x3.7	45	38	1.34	24083
1 1/2"	FW-624085	48.3x7.1	60	38	1.45	24085
1 1/2"	FW-624086	48.3x10.2	60	38	1.47	24086
2"	FW-632001	50.0x9.0	50	43	2.91	32001
2"	FW-632002	60.0x6.0	50	43	2.72	32002
2"	FW-632003	60.0x8.0	50	43	2.82	32003
2"	FW-632005	60.0x5.0	50	43	2.71	32005
2"	FW-632008	48.3x5.6	50	43	2.83	32008
2"	FW-632009	60.0x10.0	50	43	2.89	32008
2"	FW-632011	66.0x8.5	75	43	3.07	32011
2"	FW-632082	60.3x2.8	50	43	2.58	32082
2"	FW-632083	60.3x3.9	50	43	2.63	32083
2"	FW-632084	60.3x5.5	50	43	2.63	32084
2"	FW-632085	60.3x8.7	75	43	2.81	32085
2"	FW-632086	60.3x11.1	75	43	2.85	32086



FEMALE THREAD FLANGE BSP (COMPLETE)

СТАКАН С ВНУТРЕННЕЙ РЕЗЬБОЙ С ФЛАНЦЕМ BSPP (ПОЛНЫЙ)



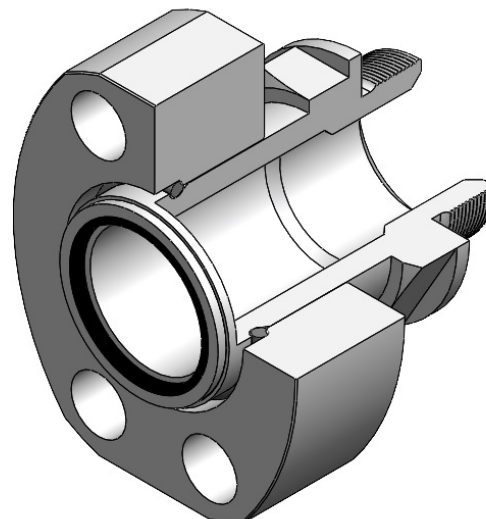
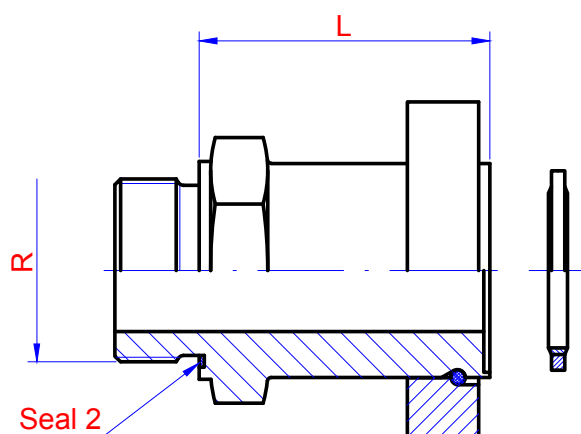
Female Thread Flange (BSPP), 3000 psi

Size	Part Name	L	R	Weight	Body
1/2"	FTF-308013	35	1/4"	0.29	08013
3/4"	FTF-312013	40	1/2"	0.43	12013
1"	FTF-316013	40	3/4"	0.48	16013
1 1/4"	FTF-320013	42	1"	0.67	20013
1 1/2"	FTF-324013	45	1 1/4"	1.05	24013
2"	FTF-332013	55	1 1/2"	1.67	32013
2 1/2"	FTF-340013	80	2"	2.40	40013
3"	FTF-348013	85	2 1/2"	3.30	48013

Female Thread Flange (BSPP), 6000 psi

Size	Part Name	L	R	Weight	Body
1/2"	FTF-608013	35	1/4"	0.31	08013
3/4"	FTF-612013	40	1/2"	0.60	12013
1"	FTF-616013	40	3/4"	0.68	16013
1 1/4"	FTF-620013	42	1"	1.16	20013
1 1/2"	FTF-624013	45	1 1/4"	1.84	24013
2"	FTF-632013	55	1 1/2"	2.93	32013
2 1/2"	FTF-640013	80	2"	6.60	40013
3"	FTF-648013	85	2 1/2"	8.80	48013


MALE THREAD FLANGE BSP (COMPLETE)

СТАКАН С НАРУЖНОЙ РЕЗЬБОЙ С ФЛАНЦЕМ BSPP (ПОЛНЫЙ)

Male Thread Flange (BSPP), 3000 psi

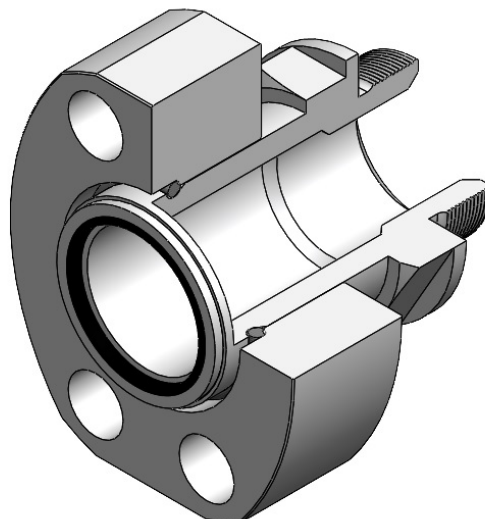
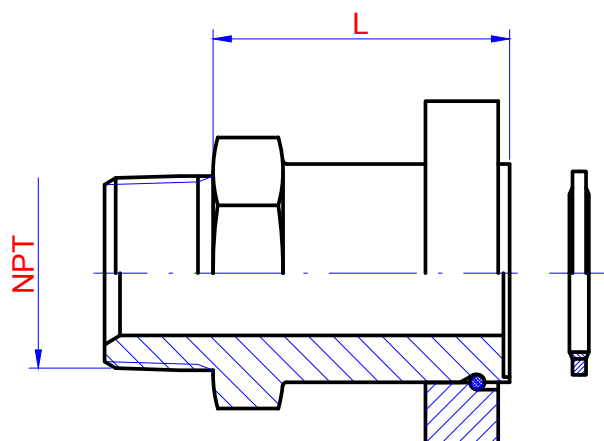
Size	Part Name	L	R	Seal 2	A/F	Weight (kg)	Body
1/2"	MTF-308014	50	1/2"	ED R 1/2" VI	27	0.35	08014
1/2"	MTF-308014-G1/4	50	1/4"	ED R 1/4"+M14x1,5 VI	27	0.37	08014-G1/4
3/4"	MTF-312014	61	3/4"	ED R 3/4" M26x1,5 27x2 VI	36	0.60	12014
3/4"	MTF-312014-G1/2	61	1/2"	ED R 1/2" VI	36	0.62	12014-G1/2
1"	MTF-316014	65	1"	ED R 1"+M33x2 VI	41	0.78	16014
1"	MTF-316014-G3/4	65	3/4"	ED R 3/4" M26x1,5 27x2 VI	41	0.80	16014-G3/4
1 1/4"	MTF-320014	68	1 1/4"	ED R 1 1/4"+M42x2 VI	50	1.08	20014
1 1/4"	MTF-320014-G1	68	1"	ED R 1"+M33x2 VI	50	1.16	20014-G1
1 1/2"	MTF-324014	78	1 1/2"	ED R 1 1/2"+M82x2 VI	60	1.71	24014
1 1/2"	MTF-324014-G11/4	78	1 1/4"	ED R 1 1/4"+M42x2 VI	60	1.80	24014-G11/4
2"	MTF-332014	83	2"	OR 59,99x2,62 VI	70	2.55	32014
2"	MTF-332014-G11/2	83	1 1/2"	ED R 1 1/2"+M82x2 VI	70	2.71	32014-G11/2

Male Thread Flange (BSPP), 6000 psi

Size	Part Name	L	R	Seal 2	A/F	Weight (kg)	Body
1/2"	MTF-608014	50	1/2"	ED R 1/2" VI	27	0.35	08014
1/2"	MTF-608014-G1/4	50	1/4"	ED R 1/4"+M14x1,5 VI	27	0.37	08014-G1/4
3/4"	MTF-612014	61	3/4"	ED R 3/4" M26x1,5 27x2 VI	36	0.60	12014
3/4"	MTF-612014-G1/2	61	1/2"	ED R 1/2" VI	36	0.62	12014-G1/2
1"	MTF-616014	65	1"	ED R 1"+M33x2 VI	41	0.78	16014
1"	MTF-616014-G3/4	65	3/4"	ED R 3/4" M26x1,5 27x2 VI	41	0.80	16014-G3/4
1 1/4"	MTF-620014	68	1 1/4"	ED R 1 1/4"+M42x2 VI	50	1.08	20014
1 1/4"	MTF-620014-G1	68	1"	ED R 1"+M33x2 VI	50	1.16	20014-G1
1 1/2"	MTF-624014	78	1 1/2"	ED R 1 1/2"+M82x2 VI	60	1.71	24014
1 1/2"	MTF-624014-G11/4	78	1 1/4"	ED R 1 1/4"+M42x2 VI	60	1.80	24014-G11/4
2"	MTF-632014	83	2"	OR 59,99x2,62 VI	70	2.55	32014
2"	MTF-632014-G11/2	83	1 1/2"	ED R 1 1/2"+M82x2 VI	70	2.71	32014-G11/2

MALE THREAD FLANGE NPT (COMPLETE)

СТАКАН С НАРУЖНОЙ РЕЗЬБОЙ С ФЛАНЦЕМ NPT (ПОЛНЫЙ)



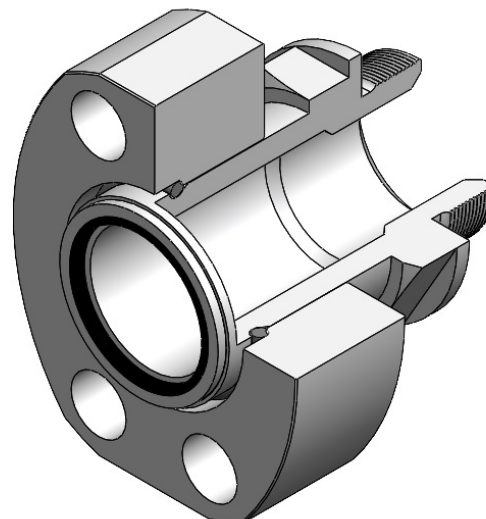
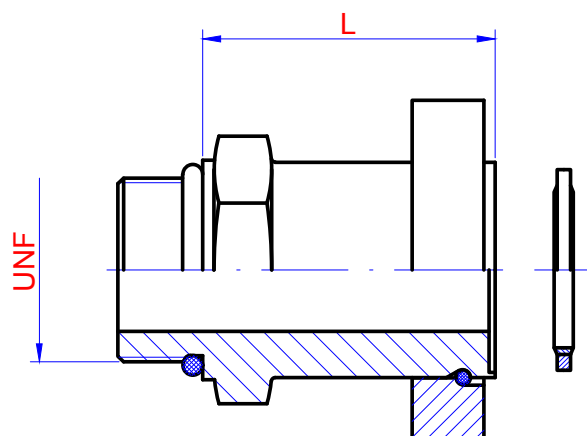
Male Thread Flange (NPT), 3000 psi

Size	Part Name	L	NPT	Weight (kg)	Body
1/2"	MTF-308114	50	1/2"	0.4	08114
3/4"	MTF-312114	63	3/4"	0.5	12114
1"	MTF-316114	63	1"	0.7	16114
1 1/4"	MTF-320114	67	1 1/4"	1.0	20114
1 1/2"	MTF-324114	75	1 1/2"	1.8	24114
2"	MTF-332114	80	2"	2.5	32114

Male Thread Flange (NPT), 6000 psi

Size	Part Name	L	NPT	Weight (kg)	Body
1/2"	MTF-608114	50	1/2"	0.4	08114
3/4"	MTF-612114	63	3/4"	0.5	12114
1"	MTF-616114	63	1"	0.7	16114
1 1/4"	MTF-620114	67	1 1/4"	1.0	20114
1 1/2"	MTF-624114	75	1 1/2"	1.8	24114
2"	MTF-632114	80	2"	2.5	32114

MALE THREAD FLANGE SAE UNF (COMPLETE)

СТАКАН С НАРУЖНОЙ РЕЗЬБОЙ С ФЛАНЦЕМ SAE UNF (ПОЛНЫЙ)

Male Thread Flange (SAE), 3000 psi

Size	Part Name	L	SAE (UNF)	O ring	Weight (kg)	Body
1/2"	MTF-308214	48	3/4-16	OR 16,4x2,2	0.4	08214
3/4"	MTF-312214	61.3	1/16-12	OR 23 x3,0	0.5	12214
1"	MTF-316214	62	1 5/16-12	OR 29,2x3,0	0.7	16214
1 1/4"	MTF-320214	65	1 5/8-12	OR 37,2x3,0	1.0	20214
1 1/2"	MTF-324214	78.2	1 7/8-12	OR 43x3,0	1.8	24214
2"	MTF-332214	83.2	2 1/2-12	OR 59,5x3,0	2.5	32214

Male Thread Flange (SAE), 6000 psi

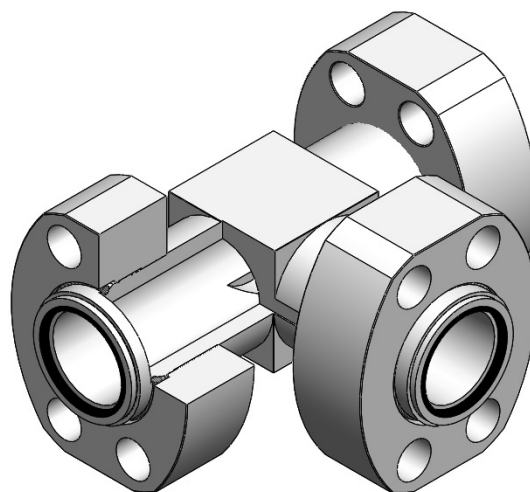
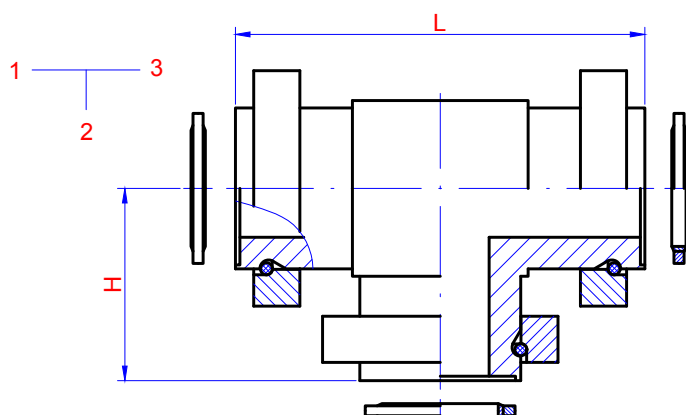
Size	Part Name	L	SAE (UNF)	O ring	Weight (kg)	Body
1/2"	MTF-608214	48	3/4-16	OR 16,4x2,2	0.4	08214
3/4"	MTF-612214	61.3	1/16-12	OR 23 x3,0	0.5	12214
1"	MTF-616214	62	1 5/16-12	OR 29,2x3,0	0.7	16214
1 1/4"	MTF-620214	65	1 5/8-12	OR 37,2x3,0	1.0	20214
1 1/2"	MTF-624214	78.2	1 7/8-12	OR 43x3,0	1.8	24214
2"	MTF-632214	83.2	2 1/2-12	OR 59,5x3,0	2.5	32214



TEE FLANGE



ТРОЙНИК НА ФЛАНЦАХ



Tee Flange, 3000 psi

Size	Part Name	L	H	Weight	Body
1/2"	TF-308016	120	60	1.10	08016
3/4"	TF-312016	130	65	1.68	12016
3/4"-1/2"	TF-312/308/312016	130	65	1.68	12/08/12016
1"	TF-316016	140	70	2.13	16016
1"-3/4"	TF-316/312/316016	140	65	2.00	16/12/16016
1"-1/2"	TFT-316/308/316016	140	65	1.66	16/08/16016
1 1/4"	TF-320016	160	80	2.87	20016
1 1/4"-1"	TF-320/316/320016	160	75	2.83	20/16/20016
1 1/4"-3/4"	TF-320/312/320016	160	70	2.44	20/12/20016
1 1/2"	TF-324016	180	90	4.75	24016
1 1/2"-1 1/4"	TF-324/320/324016	180	85	3.86	24/20/24016
1 1/2"-1"	TF-324/316/324016	180	80	3.60	24/16/24016
2"	TF-332016	220	110	7.05	32016
2"-1 1/2"	TF-332/324/332016	220	95	6.63	32/2432016
2"-1 1/4"	TF-332/320/332016	220	90	5.31	32/20/32016
2 1/2"	TF-340016	260	130	10.8	40016
2 1/2"-2"	TF-340/332/340016	260	120	10.6	40/32/40016
2 1/2"-1 1/2"	TF-340/324/340016	260	100	8.63	40/24/40016
3"	TF-348016	320	160	18.8	48016
3"-2 1/2"	TF-348/340/348016	320	140	17.5	48/40/48016
3"-2"	TF-348/332/348016	320	125	16.3	48/32/48016

Tee Flange, 6000 psi

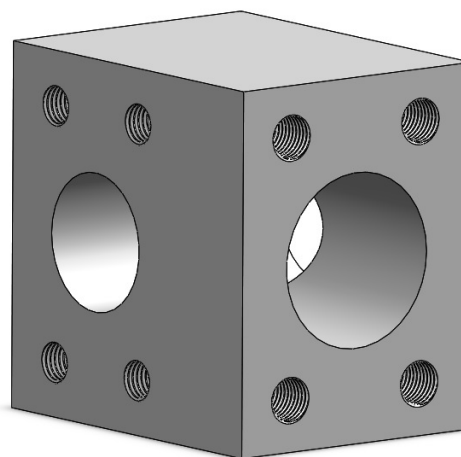
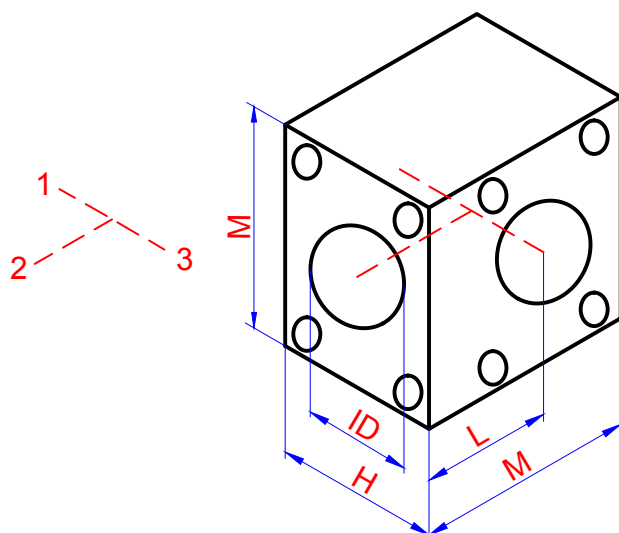
Size	Part Name	L	H	Weight	Body
1/2"	TF-608016	120	60	1.10	08016
3/4"	TF-612016	130	65	2.41	12016
3/4"-1/2"	TF-612/608/612016	130	65	2.20	12/08/12016
1"	TF-616016	140	70	3.05	16016
1"-3/4"	TF-616/612/616016	140	65	2.80	16/12/16016
1"-1/2"	TF-616/608/616016	140	65	2.66	16/08/16016
1 1/4"	TF-620016	160	80	4.52	20016
1 1/4"-1"	TF-620/616/620016	160	75	4.33	20/1620016
1 1/4"-3/4"	TF-620/612/620016	160	70	4.10	20/12/20016
1 1/2"	TF-624016	180	90	7.30	24016
1 1/2"-1 1/4"	TF-624/620/624016	180	85	7.05	24/20/24016
1 1/2"-1"	TF-624/616/624016	180	80	6.77	24/16/24016
2"	TF-632016	220	110	11.0	32016
2"-1 1/2"	TF-632/624/632016	220	95	10.2	32/2432016
2"-1 1/4"	TF-632/620/632016	220	90	9.45	32/20/32016
2 1/2"	TF-640016	260	130	22.0	40016
3"	TF-648016	320	160	32.1	48016



TEE BLOCK



ТРОЙНИК-МОНОЛИТ



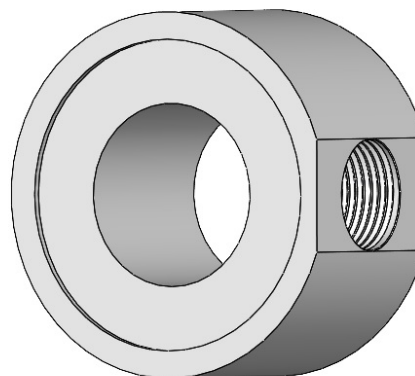
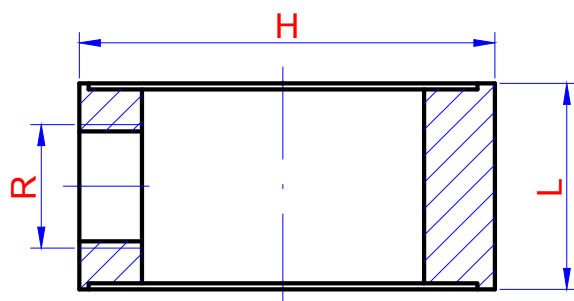
Tee Block, 3000 psi

Size	Part Name	H	L	M	ID	Weight (kg)
1/2"	TB-308116	40	36	56	13	0.81
3/4"	TB-312116	40	50	70	20	1.18
3/4"-1/2"	TB-312/308/312116	40	50	70	20/13/20	1.26
1"	TB-316116	48	47	70	23	1.38
1"-3/4"	TB-316/312/316116	48	47	70	23/20/23	1.41
1"-1/2"	TB-316/308/316116	48	47	70	23/13/23	1.49
1 1/4"	TB-320116	58	55	80	30	2.12
1 1/4"-1"	TB-320/316/320116	58	55	80	30/23/30	2.23
1 1/4"-3/4"	TB-320/312/320116	58	55	80	30/20/30	2.27
1 1/2"	TB-324116	68	59	90	38	2.96
1 1/2"-1 1/4"	TB-324/320/324116	68	59	90	38/30/38	3.16
1 1/2"-1"	TB-324/316/324116	68	59	90	38/23/38	3.22
2"	TB-332116	78	64	100	48	4.05
2"-1 1/2"	TB-332/324/332116	78	64	100	48/38/48	4.26
2"-1 1/4"	TB-332/320/332116	78	64	100	48/30/48	4.45
2 1/2"	TB-340116	88	65	110	60	5.05
2 1/2"-2"	TB-340/332/340116	88	65	110	60/48/60	5.49
2 1/2"-1 1/2"	TB-340/324/340116	88	65	110	60/38/60	5.60
3"	TB-348116	110	80	135	73	9.97
3"-2 1/2"	TB-348/340/348116	110	80	135	73/60/73	10.6
3"-2"	TB-348/332/348116	110	80	135	73/48/73	11.1

Tee Block, 6000 psi

Size	Part Name	H	L	M	ID	Weight (kg)
1/2"	TB-608116	40	36	56	13	0.81
3/4"	TB-612116	48	49	70	20	1.14
3/4"-1/2"	TB-612/608/612116	48	49	70	20/13/20	1.53
1"	TB-616116	48	55	80	23	1.81
1"-3/4"	TB-616/612/616116	48	55	80	23/20/23	1.91
1"-1/2"	TB-616/608/616116	48	55	80	23/13/23	2.06
1 1/4"	TB-620116	58	63	90	30	2.65
1 1/4"-1"	TB-620/616/620116	58	63	90	30/23/30	2.79
1 1/4"-3/4"	TB-620/612/620116	58	63	90	30/20/30	2.92
1 1/2"	TB-624116	68	68	100	38	3.62
1 1/2"-1 1/4"	TB-624/620/624116	68	68	100	38/30/38	3.85
1 1/2"-1"	TB-624/616/624116	68	68	100	38/23/38	4.01
2"	TB-632116	88	90	130	48	8.05
2"-1 1/2"	TB-632/624/632116	88	90	130	48/38/48	8.68
2"-1 1/4"	TB-632/620/632116	88	90	130	48/30/48	9.03
2 1/2"	TB-640116	100	100	160	60	16.49
2 1/2"-2"	TB-640/632/640116	100	100	160	60/48/60	17.02
2 1/2"-1 1/2"	TB-640/624/640116	100	100	160	60/38/60	18.20
3"	TB-648116	130	140	210	73	33.83
3"-2 1/2"	TB-648/640/648116	130	140	210	73/60/73	34.50
3"-2"	TB-648/632/648116	130	140	210	73/48/73	35.60


TEE BETWEEN (BSP)

ВСТАВКА МЕЖДУ ФЛАНЦАМИ С ОТВОДОМ (BSP)

Tee Between (BSP), 3000 psi

Size	Part Name	L	H	R	Weight (kg)
1/2"	TBT- 08035	25	14.0	1/4"	0.12
3/4"	TBT- 12035	25	17.6	1/4"	0.18
1"	TBT- 16035	25	20.5	1/4"	0.22
1 1/4"	TBT- 20035	25	24.3	1/4"	0.27
1 1/2"	TBT- 24035	25	31.3	1/4"	0.41
2"	TBT- 32035	25	36.0	1/4"	0.47
1 1/4"	TBT- 20036	35	22.5	1/2"	0.35
1 1/2"	TBT- 24036	35	29.6	1/2"	0.56
2"	TBT- 32036	35	34.6	1/2"	0.65
2 1/2"	TBT- 40036	40	43	1/2"	0.90
2 1/2"	TBT- 40037	45	41	3/4"	1.30
3"	TBT- 48037	50	49	3/4"	1.60
3"	TBT- 48038	60	48	1"	1.90

Tee Between (BSP), 6000 psi

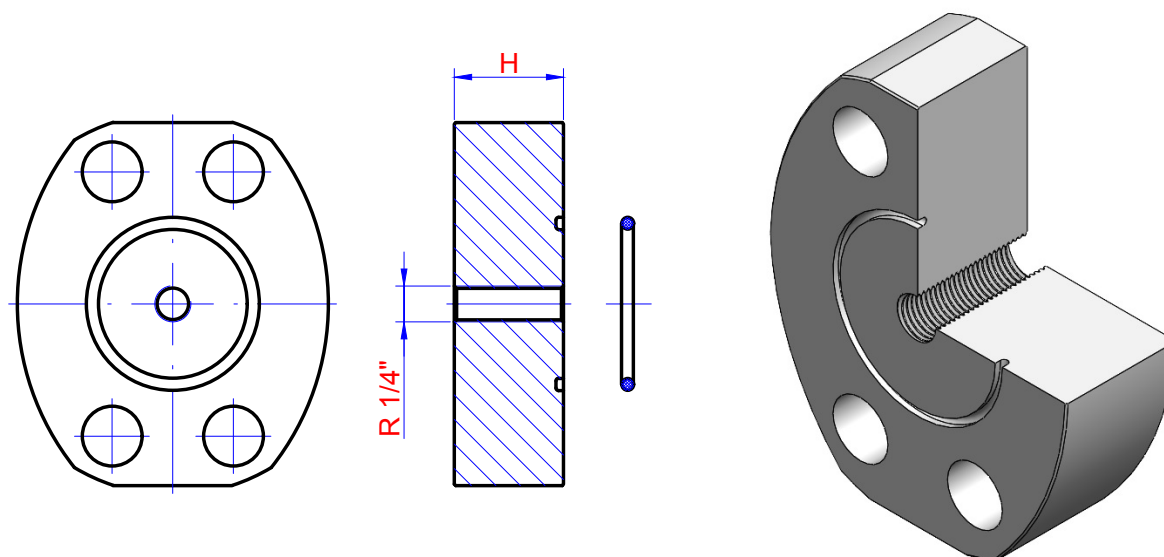
Size	Part Name	L	H	R	Weight (kg)
1/2"	TBT- 08035	25	14.0	1/4"	0.12
3/4"	TBT- 12035	25	17.6	1/4"	0.18
1"	TBT- 16035	25	20.5	1/4"	0.22
1 1/4"	TBT- 20035	25	24.3	1/4"	0.27
1 1/2"	TBT- 24035	25	31.3	1/4"	0.41
2"	TBT- 32035	25	36.0	1/4"	0.47
1 1/4"	TBT- 20036	35	22.5	1/2"	0.35
1 1/2"	TBT- 24036	35	29.6	1/2"	0.56
2"	TBT- 32036	35	34.6	1/2"	0.65
2 1/2"	TBT- 40036	35	42.6	1/2"	0.90
2 1/2"	TBT- 40037	40	41	3/4"	1.30
3"	TBT- 48038	60	48	1"	1.90



BLIND FLANGE



ФЛАНЕЦ - ЗАГЛУШКА



Blind Flange, 3000 psi

Size	Part Name	H	Weight
1/2"	BF- 308125	20	0.24
3/4"	BF- 312125	20	0.36
1"	BF- 316125	20	0.45
1 1/4"	BF- 320125	22	0.62
1 1/2"	BF- 324125	25	1.10
2"	BF- 332125	30	1.73
2 1/2"	BF- 340125	40	2.61
3"	BF- 348125	50	4.19

Blind Flange, 6000 psi

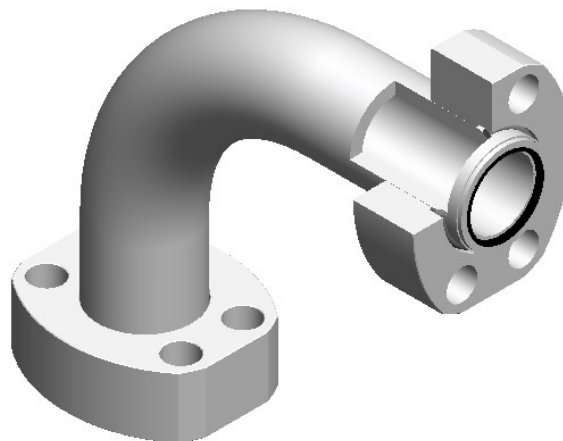
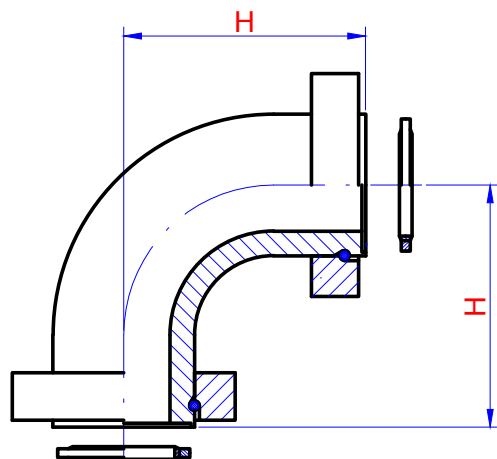
Size	Part Name	H	Weight
1/2"	BF- 608125	20	0.27
3/4"	BF- 612125	25	0.58
1"	BF- 616125	25	0.69
1 1/4"	BF- 620125	30	1.10
1 1/2"	BF- 624125	35	1.89
2"	BF- 632125	40	3.31
2 1/2"	BF- 640125	50	7.50
3"	BF- 648125	50	9.19



FLANGE BEND



УГЛОВОЙ ЭЛЕМЕНТ НА ФЛАНЦАХ ГНУТЫЙ



Flange Bend, 3000 psi

Size	Part Name	H	Weight (kg)
3/4"	FB-312018	180	1.43
1"	FB-316018	180	1.64
1 1/4"	FB-320018	190	2.42
1 1/2"	FB-324018	240	3.63
2"	FB-332018	275	5.45
2 1/2"	FB-340018	450	8.21
3"	FB-348018	540	14.6

Flange Bend, 6000 psi

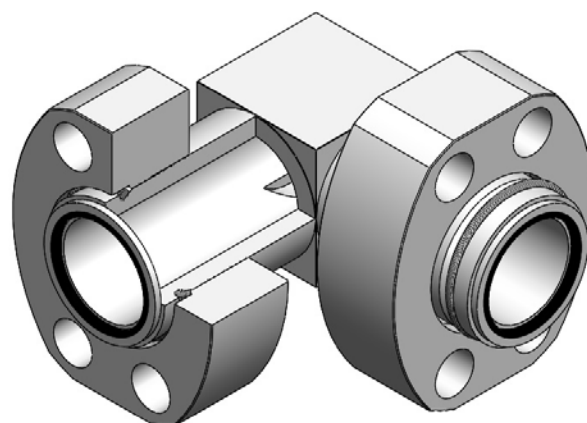
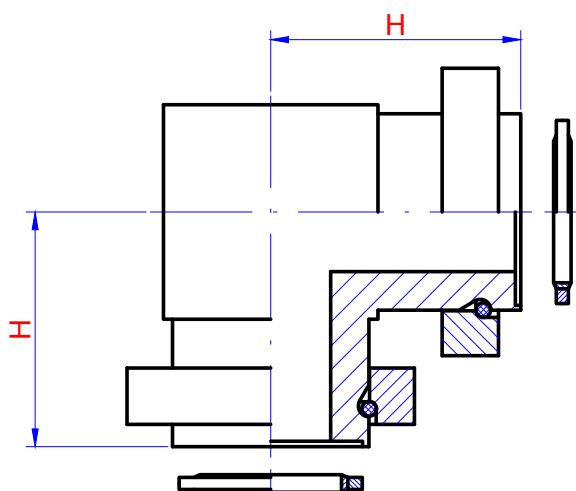
Size	Part Name	H	Weight (kg)
3/4"	FB-612018	180	2.48
1"	FB-616018	180	2.92
1 1/4"	FB-620018	190	4.12
1 1/2"	FB-624018	240	6.90
2"	FB-632018	275	10.000
2 1/2"	FB-640018	450	24.0
3"	FB-648018	540	36.80



ELBOW FLANGE



УГЛОВОЙ ЭЛЕМЕНТ НА ФЛАНЦАХ



Elbow Flange, 3000 psi

Size	Part Name	H	Weight (kg)
1/2"	EF-308015	60	0.81
3/4"	EF-312015	65	1.43
1"	EF-316015	70	1.64
1 1/4"	EF-320015	80	2.42
1 1/2"	EF-324015	90	3.63
2"	EF-332015	110	5.45
2 1/2"	EF-340015	130	8.21
3"	EF-348015	160	14.6

Elbow Flange, 6000 psi

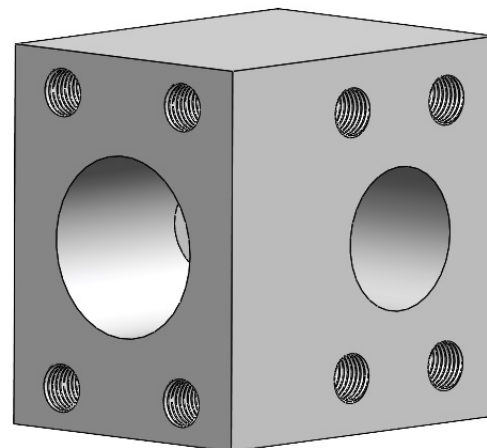
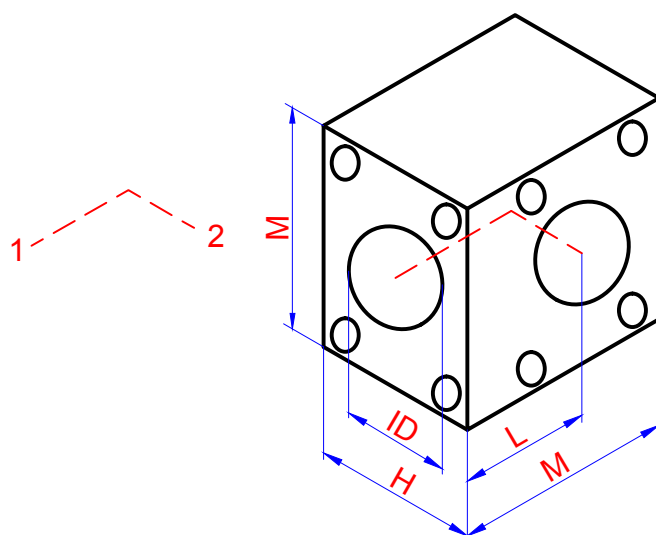
Size	Part Name	H	Weight (kg)
1/2"	EF-608015	60	0.86
3/4"	EF-612015	65	1.76
1"	EF-616015	70	2.23
1 1/4"	EF-620015	80	3.30
1 1/2"	EF-624015	90	5.08
2"	EF-632015	110	7.99
2 1/2"	EF-640015	130	15.67
3"	EF-648015	160	23.4



ELBOW BLOCK



УГЛОВОЙ ЭЛЕМЕНТ - МОНОЛИТ



Elbow Block, 3000 psi

Size	Part Name	H	L	M	ID	Weight (kg)
1/2"	EB- 308115	40	36	56	13	0.83
3/4"	EB- 312115	40	50	70	20	1.22
1"	EB- 316115	48	47	70	23	1.46
1 1/4"	EB- 320115	58	55	80	30	2.24
1 1/2"	EB- 324115	68	59	90	38	3.16
2"	EB- 332115	78	64	100	48	4.31
2 1/2"	EB- 340115	88	65	110	60	5.45
3"	EB- 348115	110	80	135	73	11.1

Elbow Block, 6000 psi

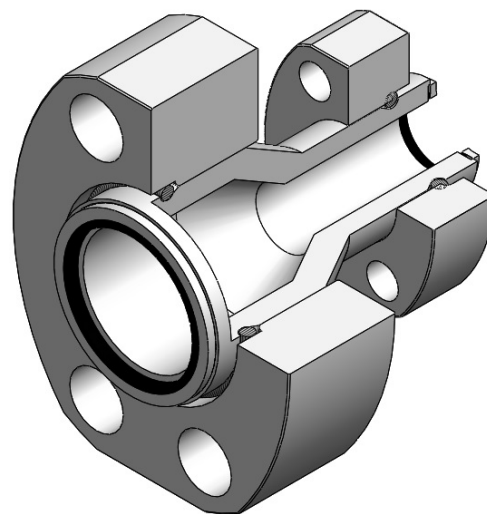
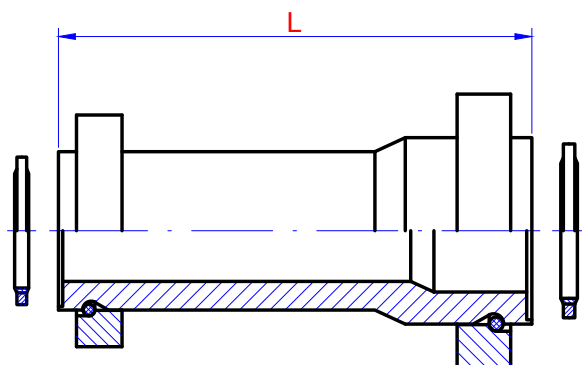
Size	Part Name	H	L	M	ID	Weight (kg)
1/2"	EB- 608115	40	36	56	13	0.83
3/4"	EB- 612115	48	49	70	20	1.48
1"	EB- 616115	48	55	80	23	1.88
1 1/4"	EB- 620115	58	63	90	30	2.77
1 1/2"	EB- 624115	68	68	100	38	3.85
2"	EB- 632115	88	90	130	48	8.55
2 1/2"	EB- 640115	100	100	160	60	17.09
3"	EB- 648115	130	140	210	73	32.62



REDUCER FLANGE



УМЕНЬШАЮЩИЙ АДАПТЕР НА ФЛАНЦАХ



Reducer Flange, 3000 psi

Size	Part Name	L	Weight (kg)	Body
3/4"-1/2"	RF312-308	65	0.75	RF12-08
1"-3/4"	RF316-312	110	1.10	RF16-12
1"-1/2"	RF316-308	80	1.10	RF16-08
1 1/4"-1"	RF320-316	110	1.38	RF20-16
1 1/4"-3/4"	RF320-312	110	1.28	RF20-12
1 1/2"-1 1/4"	RF324-320	130	2.10	RF24-20
1 1/2"-1"	RF324-316	110	1.76	RF24-16
2"-1 1/2"	RF332-324	130	3.01	RF32-24
2"-1 1/4"	RF332-320	130	2.52	RF32-20
2 1/2"-2"	RF340-332	150	4.62	RF40-32
2 1/2"-1 1/2"	RF340-324	150	4.08	RF40-24
3"-2 1/2"	RF348-340	180	7.63	RF48-40
3"-2"	RF348-332	180	6.62	RF48-32

Reducer Flange, 6000 psi

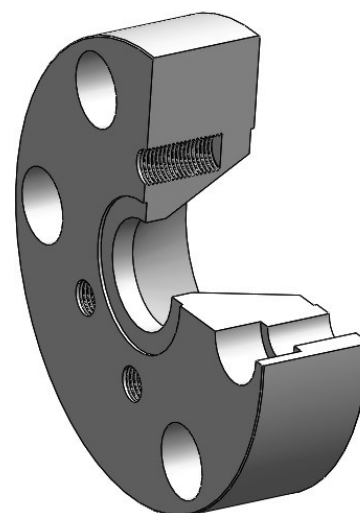
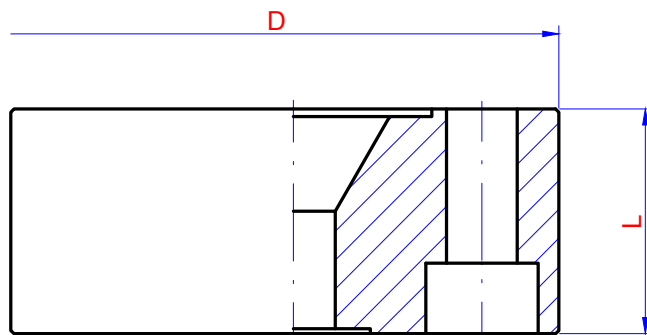
Size	Part Name	L	Weight (kg)	Body
3/4"-1/2"	RF612-608	65	0.86	RF12-08
1"-3/4"	RF616-612	110	1.55	RF16-12
1"-1/2"	RF616-208	110	1.12	RF16-08
1 1/4"-1"	RF620-616	110	2.09	RF20-16
1 1/4"-3/4"	RF620-612	110	1.87	RF20-12
1 1/2"-1 1/4"	RF624-620	130	3.25	RF24-20
1 1/2"-1"	RF624-616	110	2.76	RF24-16
2"-1 1/2"	RF632-624	130	4.98	RF32-24
2"-1 1/4"	RF632-620	130	4.19	RF32-20
2 1/2"-2"	RF640-632	150	8.91	RF40-32
2 1/2"-1 1/2"	RF640-624	150	8.50	RF40-24
3"-2 1/2"	RF648-640	180	15.68	RF48-40
3" - 2"	RF648-632	180	11.58	RF48-32



REDUCER BLOCK



УМЕНЬШАЮЩИЙ АДАПТЕР - МОНОЛИТ



Reducer Block, 3000 PSI

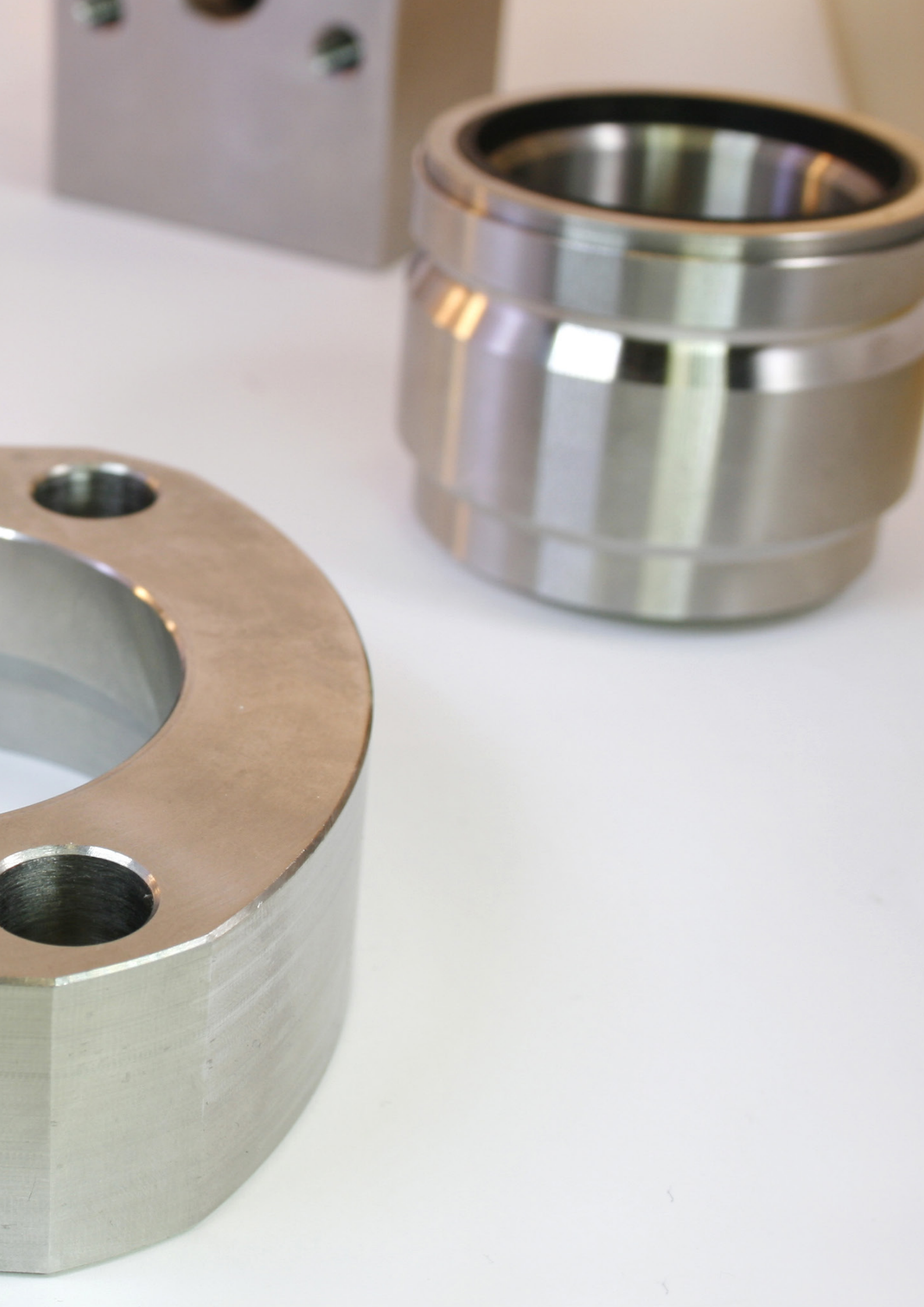
Size	Part Name	D	L	Weight (kg)	L1 bolt size
3/4"-1/2"	RBE 312-308	80	25	0.70	M10x25
1"-3/4"	RBE 316-312	84	30	0.90	M10x30
1"-1/2"	RBE 316-308	84	30	0.96	M10x30
1 1/4"-1"	RBE 320-316	88	35	1.40	M10x35
1 1/4"-3/4"	RBE 320-312	88	35	1.40	M10x35
1 1/4"-1/2"	RBE 320-308	88	35	1.46	M10x35
1 1/2"-1 1/4"	RBE 324-320	103	40	2.17	M12x45
1 1/2"-1"	RBE 324-316	103	40	2.22	M12x45
1 1/2"-3/4"	RBE 324-312	103	40	2.23	M12x45
2"-1 1/2"	RBE 332-324	113	40	2.50	M12x45
2"-1 1/4"	RBE 332-320	113	40	2.63	M12x45
2"-1"	RBE 332-316	113	40	2.35	M12x45
2 1/2"-2"	RBE 340-332	128	40	3.15	M12x45
2 1/2"-1 1/2"	RBE 340-324	128	40	3.28	M12x45
2 1/2"-1 1/4"	RBE 340-320	128	40	3.35	M12x45
3"-2 1/2"	RBE 348-340	158	40	4.86	M16x45
3"-2"	RBE 348-332	158	40	5.04	M16x45
3"-1 1/2"	RBE 348-324	158	40	5.11	M16x45

Reducer Block, 6000 PSI

Size	Part Name	D	L	Weight (kg)	L1 bolt size
3/4"-1/2"	RBE 612-608	80	25	0.82	M10x25
1"-3/4"	RBE 616-612	88	30	1.21	M12x35
1"-1/2"	RBE 616-608	88	30	1.26	M12x35
1 1/4"-1"	RBE 620-616	103	35	1.88	M14x40
1 1/4"-3/4"	RBE 620-612	103	35	1.97	M14x40
1 1/4"-1/2"	RBE 620-608	103	35	2.02	M14x40
1 1/2"-1 1/4"	RBE 624-620	120	40	2.81	M16x45
1 1/2"-1"	RBE 624-616	120	40	2.93	M16x45
1 1/2"-3/4"	RBE 624-612	120	40	2.98	M16x45
2"-1 1/2"	RBE 632-624	148	40	4.43	M20x45
2"-1 1/4"	RBE 632-620	148	40	4.59	M20x45
2"-1"	RBE 632-616	148	40	4.68	M20x45
2 1/2"-2"	RBE 640-632	191	45	7.59	M24x55
2 1/2"-1 1/2"	RBE 640-624	191	45	7.80	M24x55
2 1/2"-1 1/4"	RBE 640-620	191	45	8.00	M24x55
3"-2 1/2"	RBE 648-640	229	60	14.51	M30x70
3"-2"	RBE 648-632	229	60	15.00	M30x70
3"-1 1/2"	RBE 648-624	229	60	16.00	M30x70



OLEUMFLEX
CODE 18021

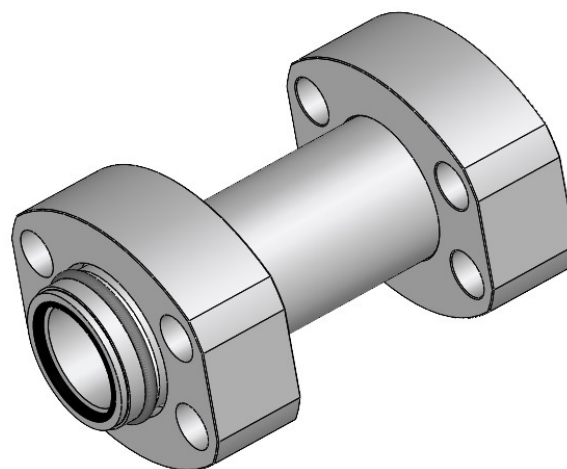
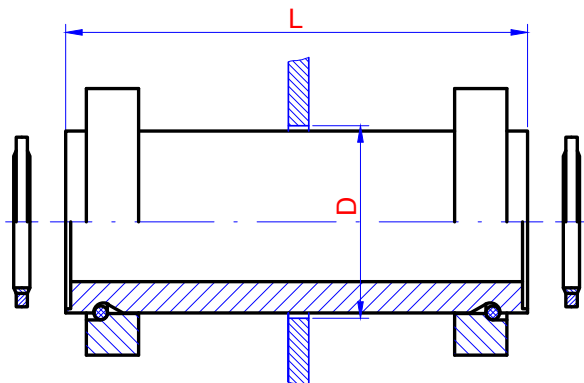




BULKHEAD FLANGES



ПЕРЕБОРОЧНЫЙ СТАКАН НА ФЛАНЦАХ



Bulkhead Flanges, 3000 psi

Size	Part Name	L	D	Weight (kg)	Body
1/2"	BUF-308019	170	27	1.20	08019
3/4"	BUF-312019	170	37	1.37	12019
1"	BUF-316019	170	40	1.51	16019
1 1/4"	BUF-320019	180	47	2.10	20019
1 1/2"	BUF-324019	180	57	3.04	24019
2"	BUF-332019	210	68	4.37	32019
2 1/2"	BUF-340019	220	82	6.77	40019
3"	BUF-348019	240	99	10.6	48019

Bulkhead Flanges, 6000 psi

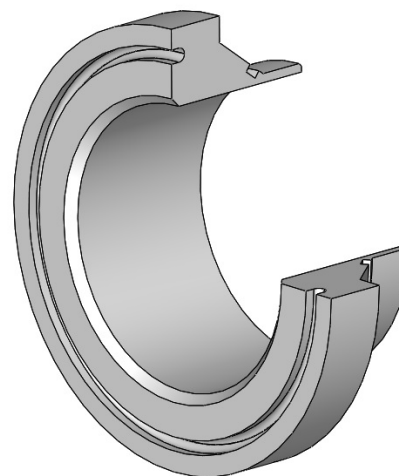
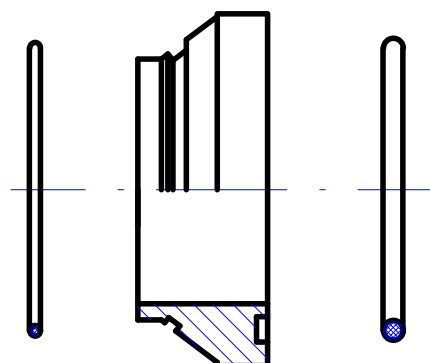
Size	Part Name	L	D	Weight (kg)	Body
1/2"	BUF-608019	170	27	0.53	08019
3/4"	BUF-612019	170	37	1.71	12019
1"	BUF-616019	170	40	2.09	16019
1 1/4"	BUF-620019	180	47	2.97	20019
1 1/2"	BUF-624019	180	57	4.50	24019
2"	BUF-632019	210	68	6.92	32019
2 1/2"	BUF-640019	220	82	14.20	40019
3"	BUF-648019	240	99	20	48019



INSERT CONES FOR FLARE FLANGE CONNECTIONS TYPE A



КОНИЧЕСКИЕ ВСТАВКИ ДЛЯ ФЛАНЦЕВЫХ СОЕДИНЕНИЙ ПОД ОТБОРТОВКУ ТИП А



Type A- with O-ring groove 3000 psi

Size	Pipe Size	Part Name
1/2"	16x2.0	F08/16x2.0A
1/2"	18x2.0	F08/18x2.0A
1/2"	20x2.0	F08/20x2.0A
1/2"	25x2.5	F08/25x2.5A
1/2"	25x3.0	F08/25x3.0A
3/4"	20x2.0	F12/20x2.0A
3/4"	20x2.5	F12/20x2.5A
3/4"	25x2.5	F12/25x2.5A
3/4"	25x3.0	F12/25x3.0A
3/4"	30x3.0	F12/30x3.0A
1"	25x2.5	F16/25x2.5A
1"	25x3.0	F16/25x3.0A
1"	30x3.0	F16/30x3.0A
1"	30x4.0	F16/30x4.0A
1"	38x4.0	F16/38x4.0A
1 1/4"	30x3.0	F20/30x3.0A
1 1/4"	30x4.0	F20/30x4.0A
1 1/4"	38x4.0	F20/38x4.0A
1 1/4"	38x5.0	F20/38x5.0A
1 1/4"	42x4.0	F20/42x4.0A
1 1/2"	30x3.0	F24/30x3.0A
1 1/2"	38x4.0	F24/38x4.0A
1 1/2"	42x4.0	F24/42x4.0A
1 1/2"	50x5.0	F24/50x5.0A
2"	50x5.0	F32/50x5.0A
2"	60x5.0	F32/60x5.0A
2"	60x6.0	F32/60x6.0A
2 1/2"	60x5.0	F40/60x5.0A
2 1/2"	72x7.0	F40/72x7.0A
2 1/2"	75x5.0	F40/75x5.0A
3"	75x5.0	F48/75x5.0A
3"	90x5.0	F48/90x5.0A

Type A- with O-ring groove 6000 psi

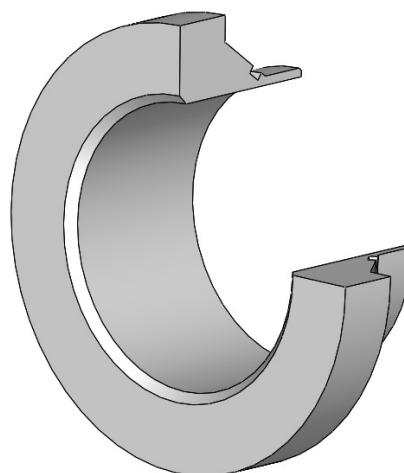
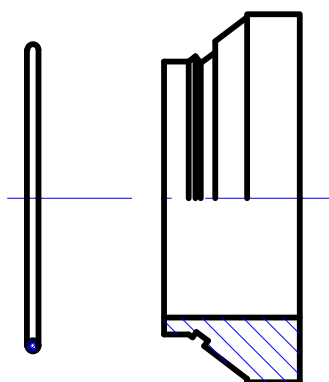
Size	Pipe Size	Part Name
1/2"	16x2.0	F08/16x2.0A
1/2"	18x2.0	F08/18x2.0A
1/2"	20x2.0	F08/20x2.0A
1/2"	25x2.5	F08/25x2.5A
1/2"	25x3.0	F08/25x3.0A
3/4"	20x2.0	F12/20x2.0A
3/4"	20x2.5	F12/20x2.5A
3/4"	25x2.5	F12/25x2.5A
3/4"	25x3.0	F12/25x3.0A
3/4"	30x3.0	F12/30x3.0A
3/4"	30x4.0	F12/30x4.0A
1"	25x2.5	F16/25x2.5A
1"	25x3.0	F16/25x3.0A
1"	30x3.0	F16/30x3.0A
1"	30x4.0	F16/30x4.0A
1"	38x4.0	F16/38x4.0A
1 1/4"	30x3.0	F20/30x3.0A
1 1/4"	30x4.0	F20/30x4.0A
1 1/4"	38x4.0	F20/38x4.0A
1 1/4"	38x5.0	F20/38x5.0A
1 1/4"	42x4.0	F20/42x4.0A
1 1/2"	30x3.0	F24/30x3.0A
1 1/2"	38x4.0	F24/38x4.0A
1 1/2"	38x5.0	F24/38x5.0A
1 1/2"	42x4.0	F24/42x4.0A
1 1/2"	50x5.0	F24/50x5.0A
2"	50x5.0	F32/50x5.0A
2"	60x5.0	F32/60x5.0A
2"	60x6.0	F32/60x6.0A
2 1/2"	60x5.0	F40/60x5.0A
2 1/2"	73x7.0	F40/73x7.0A



INSERT CONES FOR FLARE FLANGE CONNECTIONS TYPE B



КОНИЧЕСКИЕ ВСТАВКИ ДЛЯ ФЛАНЦЕВЫХ СОЕДИНЕНИЙ ПОД ОТБОРТОВКУ ТИП В



Type B - flat face without O-ring groove
3000 psi

Size	Pipe Size	Part Name
1/2"	16x2.0	F08/16x2.0B
1/2"	18x2.0	F08/18x2.0B
1/2"	20x2.0	F08/20x2.0B
1/2"	25x2.5	F08/25x2.5B
1/2"	25x3.0	F08/25x3.0B
3/4"	20x2.0	F12/20x2.0B
3/4"	20x2.5	F12/20x2.5B
3/4"	25x2.5	F12/25x2.5B
3/4"	25x3.0	F12/25x3.0B
3/4"	30x3.0	F12/30x3.0B
1"	25x2.5	F16/25x2.5B
1"	25x3.0	F16/25x3.0B
1"	30x3.0	F16/30x3.0B
1"	30x4.0	F16/30x4.0B
1"	38x4.0	F16/38x4.0B
1 1/4"	30x3.0	F20/30x3.0B
1 1/4"	30x4.0	F20/30x4.0B
1 1/4"	38x4.0	F20/38x4.0B
1 1/4"	38x5.0	F20/38x5.0B
1 1/4"	42x4.0	F20/42x4.0B
1 1/2"	30x3.0	F24/30x3.0B
1 1/2"	38x4.0	F24/38x4.0B
1 1/2"	42x4.0	F24/42x4.0B
1 1/2"	50x5.0	F24/50x5.0B
2"	50x5.0	F32/50x5.0B
2"	60x5.0	F32/60x5.0B
2"	60x6.0	F32/60x6.0B
2 1/2"	60x5.0	F40/60x5.0B
2 1/2"	72x7.0	F40/72x7.0B
2 1/2"	75x5.0	F40/75x5.0B
3"	75x5.0	F48/75x5.0B
3"	90x5.0	F48/90x5.0B

Type B - flat face without O-ring groove
6000 psi

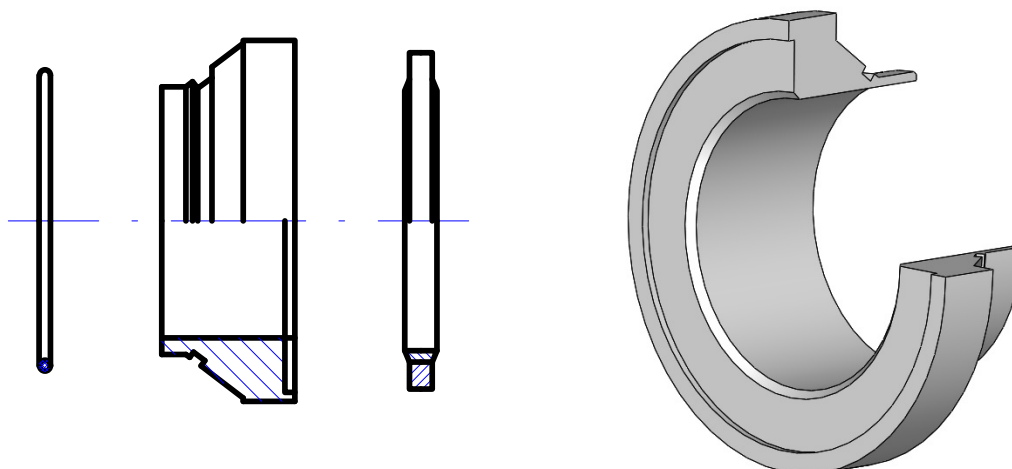
Size	Pipe Size	Part Name
1/2"	16x2.0	F08/16x2.0B
1/2"	18x2.0	F08/18x2.0B
1/2"	20x2.0	F08/20x2.0B
1/2"	25x2.5	F08/25x2.5B
1/2"	25x3.0	F08/25x3.0B
3/4"	20x2.0	F12/20x2.0B
3/4"	20x2.5	F12/20x2.5B
3/4"	25x2.5	F12/25x2.5B
3/4"	25x3.0	F12/25x3.0B
3/4"	30x3.0	F12/30x3.0B
3/4"	30x4.0	F12/30x4.0B
1"	25x2.5	F16/25x2.5B
1"	25x3.0	F16/25x3.0B
1"	30x3.0	F16/30x3.0B
1"	30x4.0	F16/30x4.0B
1"	38x4.0	F16/38x4.0B
1 1/4"	30x3.0	F20/30x3.0B
1 1/4"	30x4.0	F20/30x4.0B
1 1/4"	38x4.0	F20/38x4.0B
1 1/4"	38x5.0	F20/38x5.0B
1 1/4"	42x4.0	F20/42x4.0B
1 1/2"	30x3.0	F24/30x3.0B
1 1/2"	38x4.0	F24/38x4.0B
1 1/2"	38x5.0	F24/38x5.0B
1 1/2"	42x4.0	F24/42x4.0B
1 1/2"	50x5.0	F24/50x5.0B
2"	50x5.0	F32/50x5.0B
2"	60x5.0	F32/60x5.0B
2"	60x6.0	F32/60x6.0B
2 1/2"	60x5.0	F40/60x5.0B
2 1/2"	73x7.0	F40/73x7.0B



INSERT CONES FOR FLARE FLANGE CONNECTIONS TYPE C



КОНИЧЕСКИЕ ВСТАВКИ ДЛЯ ФЛАНЦЕВЫХ СОЕДИНЕНИЙ ПОД ОТБОРТОВКУ ТИП С



Type C - with bonded seal groove 3000 psi

Size	Pipe Size	Part Name
1/2"	16x2.0	F08/16x2.0C
1/2"	18x2.0	F08/18x2.0C
1/2"	20x2.0	F08/20x2.0C
1/2"	25x2.5	F08/25x2.5C
1/2"	25x3.0	F08/25x3.0C
3/4"	20x2.0	F12/20x2.0C
3/4"	20x2.5	F12/20x2.5C
3/4"	25x2.5	F12/25x2.5C
3/4"	25x3.0	F12/25x3.0C
3/4"	30x3.0	F12/30x3.0C
1"	25x2.5	F16/25x2.5C
1"	25x3.0	F16/25x3.0C
1"	30x3.0	F16/30x3.0C
1"	30x4.0	F16/30x4.0C
1"	38x4.0	F16/38x4.0C
1 1/4"	30x3.0	F20/30x3.0C
1 1/4"	30x4.0	F20/30x4.0C
1 1/4"	38x4.0	F20/38x4.0C
1 1/4"	38x5.0	F20/38x5.0C
1 1/4"	42x4.0	F20/42x4.0C
1 1/2"	30x3.0	F24/30x3.0C
1 1/2"	38x4.0	F24/38x4.0C
1 1/2"	42x4.0	F24/42x4.0C
1 1/2"	50x5.0	F24/50x5.0C
2"	50x5.0	F32/50x5.0C
2"	60x5.0	F32/60x5.0C
2"	60x6.0	F32/60x6.0C
2 1/2"	60x5.0	F40/60x5.0C
2 1/2"	72x7.0	F40/72x7.0C
2 1/2"	75x5.0	F40/75x5.0C
3"	75x5.0	F48/75x5.0C
3"	90x5.0	F48/90x5.0C

Type C - with bonded seal groove 6000 psi

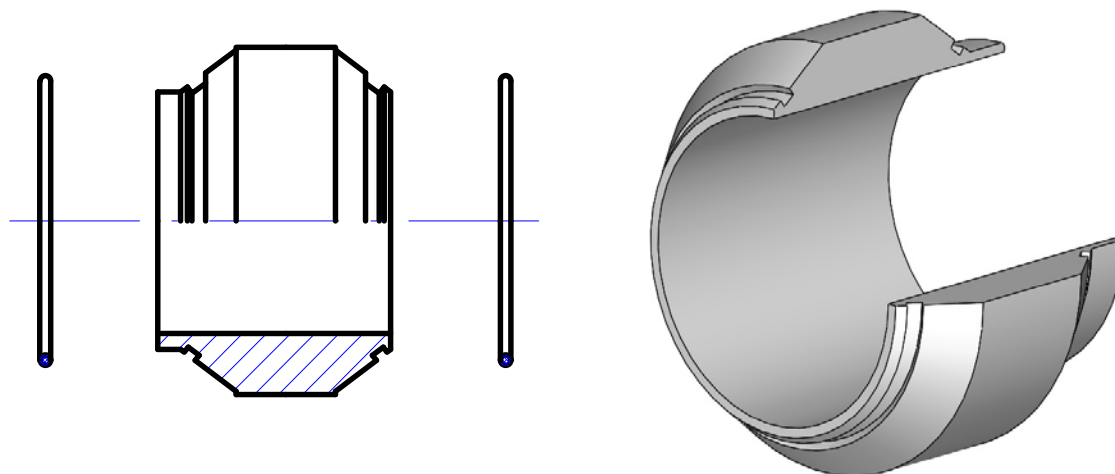
Size	Pipe Size	Part Name
1/2"	16x2.0	F08/16x2.0C
1/2"	18x2.0	F08/18x2.0C
1/2"	20x2.0	F08/20x2.0C
1/2"	25x2.5	F08/25x2.5C
1/2"	25x3.0	F08/25x3.0C
3/4"	20x2.0	F12/20x2.0C
3/4"	20x2.5	F12/20x2.5C
3/4"	25x2.5	F12/25x2.5C
3/4"	25x3.0	F12/25x3.0C
3/4"	30x3.0	F12/30x3.0C
3/4"	30x4.0	F12/20x2.0C
1"	25x2.5	F16/25x2.5C
1"	25x3.0	F16/25x3.0C
1"	30x3.0	F16/30x3.0C
1"	30x4.0	F16/30x4.0C
1"	38x4.0	F16/38x4.0C
1 1/4"	30x3.0	F20/30x3.0C
1 1/4"	30x4.0	F20/30x4.0C
1 1/4"	38x4.0	F20/38x4.0C
1 1/4"	38x5.0	F20/38x5.0C
1 1/4"	42x4.0	F20/42x4.0C
1 1/2"	30x3.0	F24/30x3.0C
1 1/2"	38x4.0	F24/38x4.0C
1 1/2"	38x5.0	F24/38x5.0C
1 1/2"	42x4.0	F24/42x4.0C
1 1/2"	50x5.0	F24/50x5.0C
2"	50x5.0	F32/50x5.0C
2"	60x5.0	F32/60x5.0C
2"	60x6.0	F32/60x6.0C
2 1/2"	60x5.0	F40/60x5.0C
2 1/2"	60x6.0	F40/60x6.0C
2 1/2"	73x7.0	F40/73x7.0C



INSERT CONES FOR FLARE FLANGE CONNECTIONS TYPE D



КОНИЧЕСКИЕ ВСТАВКИ ДЛЯ ФЛАНЦЕВЫХ СОЕДИНЕНИЙ ПОД ОТБОРТОВКУ ТИП D

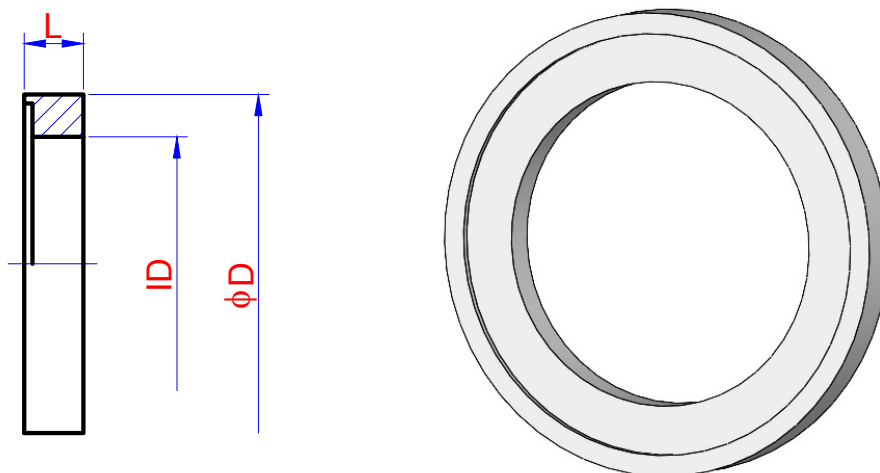


Type D - straight coupling 3000 psi

Size	Pipe Size	Part Name
1/2"	16x2.0	F08/16x2.0D
1/2"	18x2.0	F08/18x2.0D
1/2"	20x2.0	F08/20x2.0D
1/2"	25x2.5	F08/25x2.5D
1/2"	25x3.0	F08/25x3.0D
3/4"	20x2.0	F12/20x2.0D
3/4"	20x2.5	F12/20x2.5D
3/4"	25x2.5	F12/25x2.5D
3/4"	25x3.0	F12/25x3.0D
3/4"	30x3.0	F12/30x3.0D
1"	25x2.5	F16/25x2.5D
1"	25x3.0	F16/25x3.0D
1"	30x3.0	F16/30x3.0D
1"	30x4.0	F16/30x4.0D
1"	38x4.0	F16/38x4.0D
1 1/4"	30x3.0	F20/30x3.0D
1 1/4"	30x4.0	F20/30x4.0D
1 1/4"	38x4.0	F20/38x4.0D
1 1/4"	38x5.0	F20/38x5.0D
1 1/4"	42x4.0	F20/42x4.0D
1 1/2"	30x3.0	F24/30x3.0D
1 1/2"	38x4.0	F24/38x4.0D
1 1/2"	42x4.0	F24/42x4.0D
1 1/2"	50x5.0	F24/50x5.0D
2"	50x5.0	F32/50x5.0D
2"	60x5.0	F32/60x5.0D
2"	60x6.0	F32/60x6.0D
2 1/2"	60x5.0	F40/60x5.0D
2 1/2"	72x7.0	F40/72x7.0D
2 1/2"	75x5.0	F40/75x5.0D
3"	75x5.0	F48/75x5.0D
3"	90x5.0	F48/90x5.0D

Type D - straight coupling 6000 psi

Size	Pipe Size	Part Name
1/2"	16x2.0	F08/16x2.0D
1/2"	18x2.0	F08/18x2.0D
1/2"	20x2.0	F08/20x2.0D
1/2"	25x2.5	F08/25x2.5D
1/2"	25x3.0	F08/25x3.0D
3/4"	20x2.0	F12/20x2.0D
3/4"	20x2.5	F12/20x2.5D
3/4"	25x2.5	F12/25x2.5D
3/4"	25x3.0	F12/25x3.0D
3/4"	30x3.0	F12/30x3.0D
3/4"	30x4.0	F12/20x2.0D
1"	25x2.5	F16/25x2.5D
1"	25x3.0	F16/25x3.0D
1"	30x3.0	F16/30x3.0D
1"	30x4.0	F16/30x4.0D
1"	38x4.0	F16/38x4.0D
1 1/4"	30x3.0	F20/30x3.0D
1 1/4"	30x4.0	F20/30x4.0D
1 1/4"	38x4.0	F20/38x4.0D
1 1/4"	38x5.0	F20/38x5.0D
1 1/4"	42x4.0	F20/42x4.0D
1 1/2"	30x3.0	F24/30x3.0D
1 1/2"	38x4.0	F24/38x4.0D
1 1/2"	38x5.0	F24/38x5.0D
1 1/2"	42x4.0	F24/42x4.0D
1 1/2"	50x5.0	F24/50x5.0D
2"	50x5.0	F32/50x5.0D
2"	60x5.0	F32/60x5.0D
2"	60x6.0	F32/60x6.0D
2 1/2"	60x5.0	F40/60x5.0D
2 1/2"	73x7.0	F40/73x7.0D

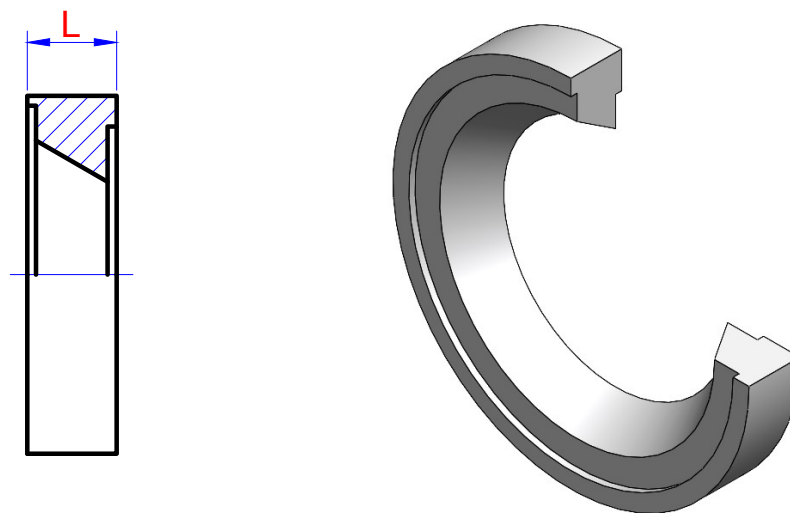


Adapter between O-ring and Bonded Seal, metric pipes 3000 psi

Size	Part Name	L	D	ID	Weight (kg)
1/2"	ADP-08099	7	30	14	0.02
3/4"	ADP-12099	7	40	20	0.05
1"	ADP-16099	7	45	24	0.06
1 1/4"	ADP-20099	7	50	30	0.07
1 1/2"	ADP-24099	7	60	39	0.09
2"	ADP-32099	7	70	49	0.12
2 1/2"	ADP-40099	7	84	60	0.16
3"	ADP-48099	7	102	72	0.22

Adapter between O-ring and Bonded Seal, metric pipes 6000 psi

Size	Part Name	L	D	ID	Weight (kg)
1/2"	ADP-08099	7	30	14	0.02
3/4"	ADP-12099	7	40	20	0.05
1"	ADP-16099	7	45	24	0.06
1 1/4"	ADP-20099	7	50	30	0.07
1 1/2"	ADP-24099	7	60	39	0.09
2"	ADP-32099	7	70	49	0.12
2 1/2"	ADP-40099	7	84	60	0.16
3"	ADP-48099	7	102	72	0.22

 ADAPTERS
 ПЕРЕХОДНИК
**Adapter between metric pipe and ANSI 36.10/ANSI 36.19 pipe, 3000 psi**

Size	Part Name	Pipe	Pipe	L
1/2"	ADP-08087	26x6.0	21.3x7.5	10
3/4"	ADP-12087	36x8.0	26.7x7.8	10
1"	ADP-16087	39x7.5	33.4x6.4	10
1"	ADP-16088	39x7.5	33.4x9.1	10
1 1/4"	ADP-20087	46x8.5	42.2x6.4	10
1 1/4"	ADP-20088	46x8.5	42.4x9.7	10
1 1/2"	ADP-24087	56x8.5	48.3x7.1	10
1 1/2"	ADP-24088	56x8.5	48.3x10.2	10
2"	ADP-32087	66x8.5	60.3x8.7	10
2"	ADP-32088	66x8.5	60.3x11.1	10

Adapter between metric pipe and ANSI B36.10/ANSI 36.19 pipe, 6000 psi

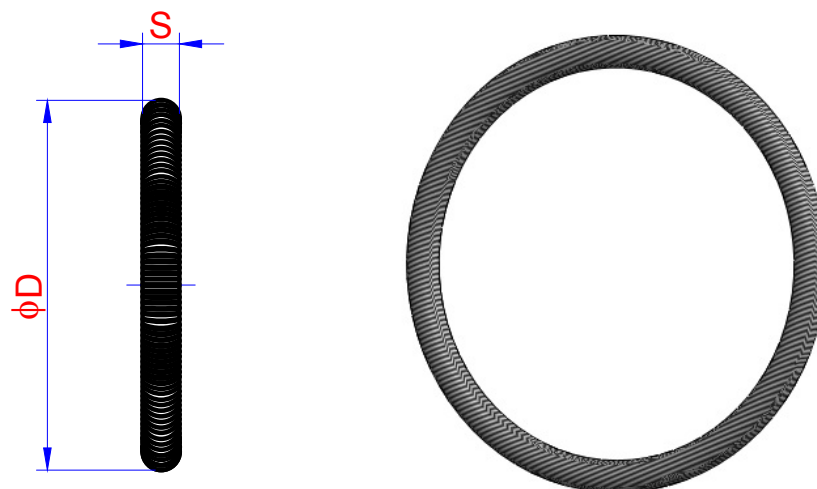
Size	Part Name	Pipe	Pipe	L
1/2"	ADP-08087	26x6.0	21.3x7.5	10
3/4"	ADP-12087	36x8.0	26.7x7.8	10
1"	ADP-16087	39x7.5	33.4x6.4	10
1"	ADP-16088	39x7.5	33.4x9.1	10
1 1/4"	ADP-20087	46x8.5	42.2x6.4	10
1 1/4"	ADP-20088	46x8.5	42.4x9.7	10
1 1/2"	ADP-24087	56x8.5	48.3x7.1	10
1 1/2"	ADP-24088	56x8.5	48.3x10.2	10
2"	ADP-32087	66x8.5	60.3x8.7	10
2"	ADP-32088	66x8.5	60.3x11.1	10



RETAIN RINGS



УПОРНЫЕ КОЛЬЦА



Retain Ring, 3000 psi

Size	Part Name	Pipe Size	D	S	Weight (kg)
1/2"	RR-08	26x6.0	30	4	0.02
3/4"	RR-12	36x8.0	40	4	0.05
1"	RR-16	39x7.5	44	5	0.06
1 1/4"	RR-20	46x8.0	51	5	0.07
1 1/2"	RR-24	56x8.5	61	5	0.09
2"	RR-32	66x8.5	71	5	0.12
2 1/2"	RR-40	80x10	85	5	0.16
3"	RR-48	97x12	103	6	0.22

Retain Ring, 6000 psi

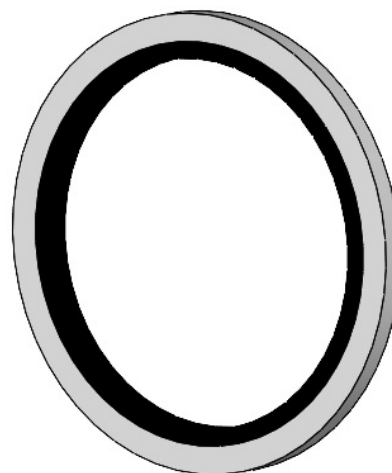
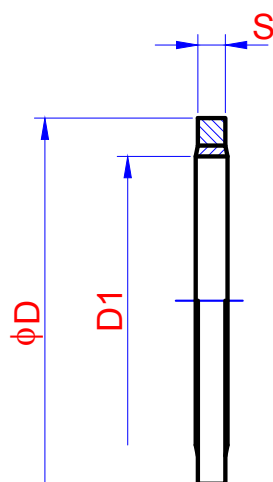
Size	Part Name	Pipe Size	D	S	Weight (kg)
1/2"	RR-08	26x6.0	30	4	0.02
3/4"	RR-12	36x8.0	40	4	0.05
1"	RR-16	39x7.5	44	5	0.06
1 1/4"	RR-20	46x8.0	51	5	0.07
1 1/2"	RR-24	56x8.5	61	5	0.09
2"	RR-32	66x8.5	71	5	0.12
2 1/2"	RR-40	80x10	85	6	0.16
3"	RR-48	97x12	103	6	0.22



BONDED SEAL



АРМИРОВАННЫЕ УПЛОТНЕНИЯ

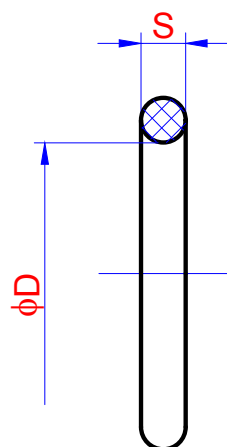


Bonded Seal, 3000 psi

Size	Part Name	S	D	D1
R1/4	BS-0821SC	2.10	20.63	13.71
1/2"	BS-0823	2.03	23.80	17.28
3/4"	BS-1213	2.34	33.27	24.26
R1/2"	BS-1225SC	2.34	28.58	21.54
1"	BS-1629	2.34	34.93	27.05
R3/4"	BS-1629SC	2.34	34.93	27.05
1 1/4"	BS-2030	3.25	42.80	33.89
R1"	BS-2030SC	3.25	42.80	33.89
1 1/2"	BS-2432	3.25	52.38	42.93
R1 1/4"	BS-2432SC	3.25	52.38	42.93
R1 1/2"	BS-2433SC	3.25	58.60	48.44
2"	BS-3219	3.25	63.50	51.69
R2"	BS-3236SC	3.25	73.03	60.58
2 1/2"	BS-4037	3.25	75.00	64.39
3"	BS-4839	3.25	90.17	76.08

Bonded Seal, 6000 psi

Size	Part Name	S	D	D1
R1/4"	BS-0821SC	2.10	20.63	13.71
1/2"	BS-0823	2.03	23.80	17.28
3/4"	BS-1213	2.34	33.27	24.26
R1/2"	BS-1225SC	2.34	28.58	21.54
1"	BS-1629	2.34	34.93	27.05
R3/4"	BS-1629SC	2.34	34.93	27.05
1 1/4"	BS-2030	3.25	42.80	33.89
R1"	BS-2030SC	3.25	42.80	33.89
1 1/2"	BS-2432	3.25	52.38	42.93
R1 1/4"	BS-2432SC	3.25	52.38	42.93
R1 1/2"	BS-2433SC	3.25	58.60	48.44
2"	BS-3219	3.25	63.50	51.69
R2"	BS-3236SC	3.25	73.03	60.58
2 1/2"	BS-4037	3.25	75.00	64.39
3"	BS-4839	3.25	90.17	76.08



O-Ring between Welding Nipples, 3000 psi

Size	Part Name	D	S
1/2"	17.5x2.0	17.5	2.0
3/4"	26x2.5	26	2.5
1"	30x2.5	30	2.5
1 1/4"	35.2x3.0	35	3.0
1 1/2"	44.2x3.0	44	3.0
2"	55.2x3.0	55	3.0
2 1/2"	68x3.0	68	3.0
3"	83x3.0	83	3.0

O-Ring between Welding Nipples, 6000 psi

Size	Part Name	D	S
1/2"	17.5x2.0	17.5	2.0
3/4"	26x2.5	26	2.5
1"	30x2.5	30	2.5
1 1/4"	35.2x3.0	35	3.0
1 1/2"	44.2x3.0	44	3.0
2"	55.2x3.0	55	3.0

O-Ring between 37° Insert Cones, 3000 psi

Size	Part Name	D	S
1/2"	18.64x3.53	18.64	3.53
3/4"	24.99x3.53	24.99	3.53
1"	32.92x3.53	32.92	3.53
1 1/4"	37.69x3.53	37.69	3.53
1 1/2"	47.22x3.53	47.22	3.53
2"	56.75x3.53	56.75	3.53
2 1/2"	69.44x3.53	69.44	3.53
3"	85.32x3.53	85.32	3.53

O-Ring between 37° Insert Cones, 6000 psi

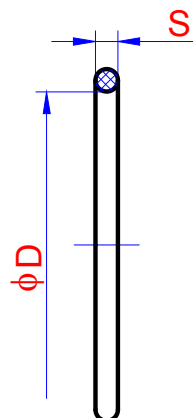
Size	Part Name	D	S
1/2"	18.64x3.53	18.64	3.53
3/4"	24.99x3.53	24.99	3.53
1"	32.92x3.53	32.92	3.53
1 1/4"	37.69x3.53	37.69	3.53
1 1/2"	47.22x3.53	47.22	3.53
2"	56.75x3.53	56.75	3.53



O-RING 2 FOR INSERT CONE



УПЛОТНИТЕЛЬНЫЕ КОЛЬЦА 2 ДЛЯ КОНИЧЕСКИХ ВСТАВОК



O-Ring 2 for Insert Cone, 3000 psi

Part Name	Pipe Size	D	S
OR 12x1.0	16x2.0	12	1.0
OR 12x1.0	16x2.5	12	1.0
OR 14x1.0	18x2.0	14	1.0
OR 16x1.0	20x2.0	16	1.0
OR 15x1.0	20x2.5	15	1.0
OR 20x1.0	25x2.5	20	1.0
OR 19x1.0	25x3.0	19	1.0
OR 23x1.0	30x3.0	23	1.0
OR 22x1.0	30x4.0	22	1.0
OR 30x1.0	38x4.0	30	1.0
OR 28x1.0	38x5.0	28	1.0
OR 34x1.0	42x3.0	34	1.0
OR 34x1.0	42x4.0	34	1.0
OR 41x1.78	50x5.0	41	1.78
OR 50.52x1.78	60x5.0	50.52	1.78
OR 47.35x1.78	60x6.0	47.35	1.78
OR 56.87x1.78	73x7.0	56.87	1.78
OR 63.22x1.78	73x5.0	63.22	1.78
OR 79x1.78	90x5.0	79	1.78

O-Ring 2 for Insert Cone, 6000 psi

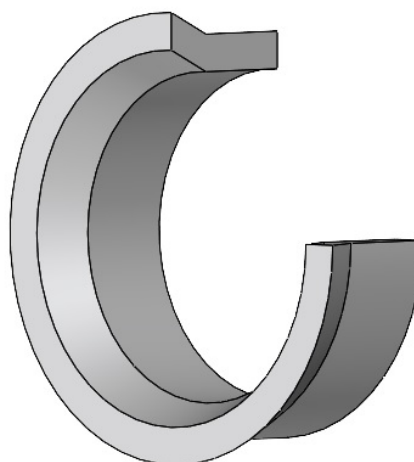
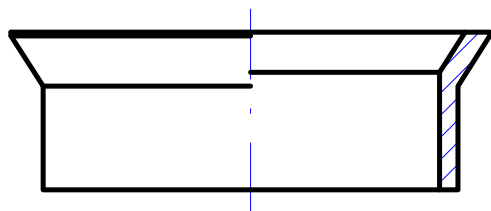
Part Name	Pipe Size	D	S
12x1.0	16x2.0	12	1.0
12x1.0	16x2.5	12	1.0
14x1.0	18x2.0	14	1.0
14x1.0	20x2.0	14	1.0
16x1.0	20x2.5	16	1.0
15x1.0	20x3.0	15	1.0
12x1.0	20x4.0	12	1.0
17x1.0	20x4.0	17	1.0
22x1.0	22x2.0	22	1.0
20x1.0	25x1.5	20	1.0
20x1.0	25x2.0	20	1.0
20x1.0	25x2.5	20	1.0
17x1.0	25x3.0	17	1.0
17x1.0	25x3.5	17	1.0
23x1.0	25x3.0	23	1.0
25x1.0	25x3.5	25	1.0
25x1.0	25x4.0	25	1.0
23x1.0	28x2.0	23	1.0
22x1.0	30x2.0	22	1.0
25x1.0	30x2.5	25	1.0
30x1.0	30x3.0	30	1.0
28x1.0	30x4.0	28	1.0
32x1.0	34x4.5	32	1.0
30x1.0	35x2.0	30	1.0
28x1.0	36x4.0	28	1.0
32x1.0	38x2.5	32	1.0
30x1.0	38x3.0	30	1.0
30x1.0	38x4.0	30	1.0
28x1.0	38x5.0	28	1.0
37.82x1.78	42x2.0	37.82	1.78
37.82x1.78	42x2.5	37.82	1.78
34x1.0	42x3.0	34	1.0
34x1.0	42x4.0	34	1.0
32x1.0	43x5.5	32	1.0
37.82x1.78	45x4.0	37.82	1.78
41x1.78	48x4.0	41	1.78
41x1.78	50x3.0	41	1.78
41x1.78	50x5.0	41	1.78
37.82x1.78	50x6.0	37.82	1.78
53.7x1.78	57x2.0	53.7	1.78
52.5x1.78	60x3.0	52.5	1.78
50.52x1.78	60x5.0	50.52	1.78



SLEEVE BETWEEN FLANGE AND PIPE



РУКАВ МЕЖДУ ФЛАНЦЕМ И ТРУБОЙ



Sleeve between Flange and Pipe, 3000 psi

Size	Part Name	Pipe OD (mm)
1/2"	F08/16	16
1/2"	F08/18	18
1/2"	F08/20	20
3/4"	F12/20	20
3/4"	F12/25	25
1"	F16/25	25
1"	F16/30	30
1 1/4"	F20/30	30
1 1/4"	F20/38	38
1 1/2"	F24/38	38
1 1/2"	F24/42	42
2"	F32/50	50
2 1/2"	F40/60	60
3"	F48/73	73

Sleeve between Flange and Pipe, 6000 psi

Size	Part Name	Pipe OD (mm)
1/2"	F08/16	16
1/2"	F08/18	18
1/2"	F08/20	20
3/4"	F12/20	20
3/4"	F12/25	25
1"	F16/25	25
1"	F16/30	30
1 1/4"	F20/30	30
1 1/4"	F20/38	38
1 1/2"	F24/38	38
1 1/2"	F24/42	42
2"	F32/50	50
2 1/2"	F40/60	60



350-400 BAR

350-400 BAR

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Material Tables

	Part	Material
Standard Assembly	Flanges	St 52, Cr(6) free
	Adapters	St 52, Cr(6) free
	Retain Rings	AISI 302
	Bonded Seals	St 52/NBR, Cr(6) free
	O-rings	NBR 90 Shore
	Part	Material
Stainless steel	Flanges	AISI 316L
	Adapters	AISI 316L
	Retain Rings	AISI 302
	Bonded Seals	AISI 316L/NBR,
	O-rings	FPM Viton 90 Shore

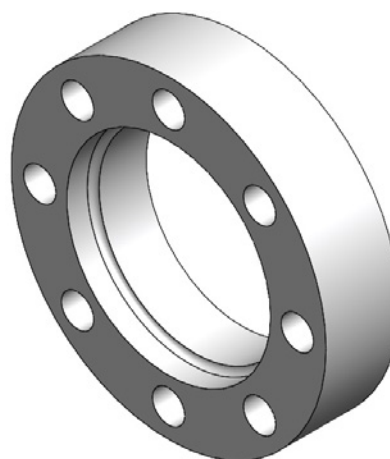
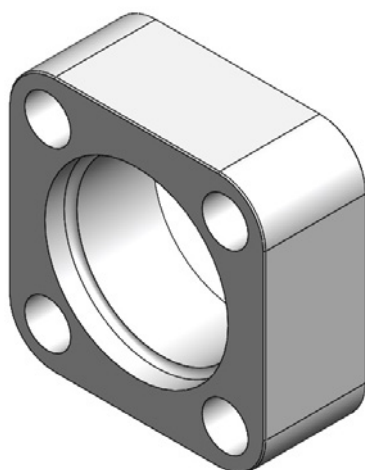
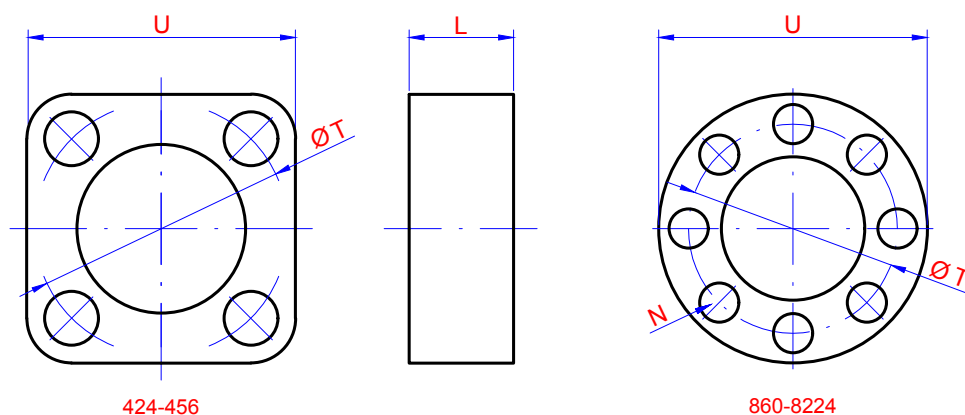
There is an option of different material requests. Please contact us for possible alternatives.



FLANGE DIMENSIONS

РАЗМЕРЫ ФЛАНЦЕВ

Drilled to ISO 6164 up to 4"



Flange Dimension Drilled to ISO 6164 up to 4"

Size	Part name	T	E	L	U	N	Bolt L DIN 912, 8.8	WP (bar)
1 1/2"	RRF-424	85	38	35	90	4	M16x100(60)	400
2"	RRF-432	98	42	40	100	4	M16x110(60)	400
2 1/2"	RRF-440	118	47	40	120	4	M20x120(70)	400
3"	RRF-448	145	55	45	145	4	M24x140(80)	400
4"	RRF-456	175	56	50	180	4	M30x160(100)	400
4 1/2"	RRF-860	175	60	50	214	8	M20x140(80)	350
5"	RRF-864	205	69	60	245	8	M24x180(100)	350
6"	RRF-880	245	78	70	300	8	M30x220(120)	350
8"	RRF-888	290	78	70	350	8	M30x220(130)	350
8"	RRF-896	315	78	70	385	8	M36x220(130)	250
10"	RRF 8160/273	375	110	100	450	12	M36x300(180)	250
12"	RRF 8224/323.9	440	130	120	520	16	M39x360(220)	210
14"	RRF 8224/355.6	440	130	120	520	16	M39x360(220)	210

Sizes from 4 1/2" to 14" according to hydraulic equipment supplier

Manufacturing tolerance for flange thickness (S) +/- 3%

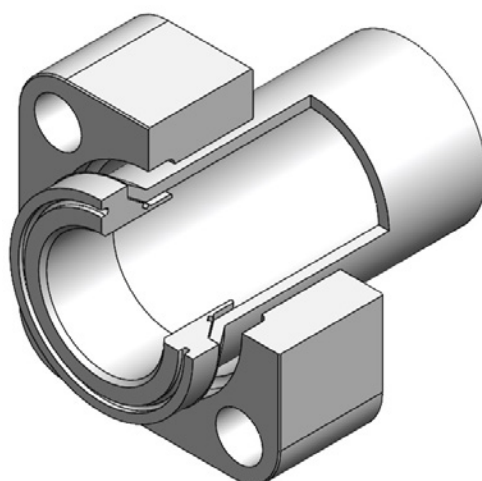
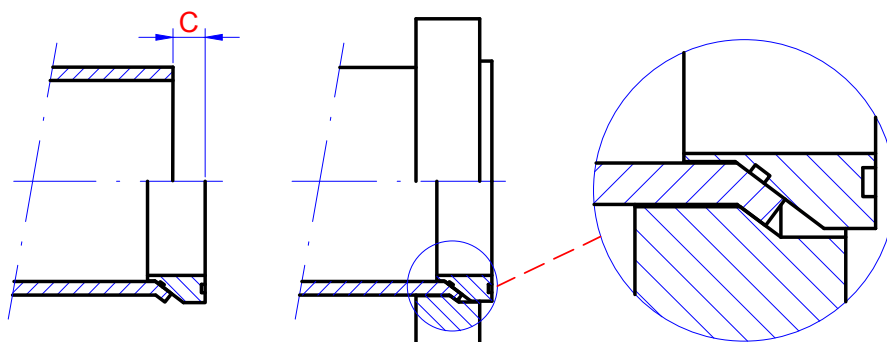
L=Flange to flange

(L)=Flange to block

FLARE FLANGE CONNECTION TYPE A WITH O-RING GROOVE

ФЛАНЦЕВОЕ СОЕДИНЕНИЕ С ОТБОРТОВКОЙ – ТИП А

Drilled to ISO 6164 up to 4"



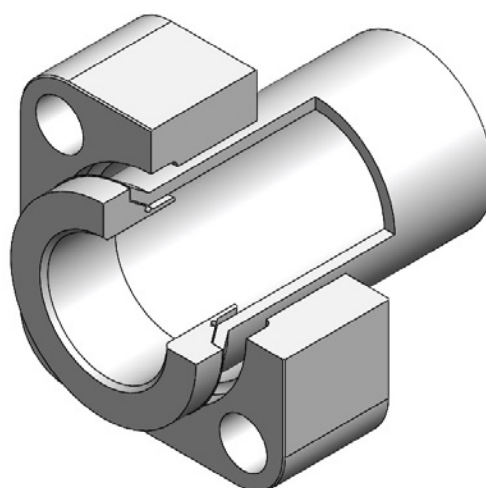
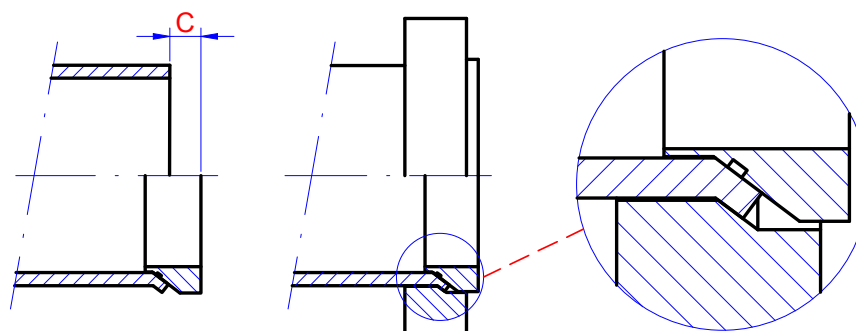
Type A - with O-ring groove

Size	Complete	Pipe Size	C	Weight (kg)	Insert Part No	O-r ing	O-r ing 2
1 1/2"	424/50x 5,0A	50x5.0	11	1.10	24/50x 5,0A	47.22x 3.53	41.00x1.78
1 1/2"	424/56x 8,5A	56x8.5	12	1.60	24/56x 8,5A	47.22x 3.53	37.82x1.78
2"	432/60x 6,0A	60x6.0	11	2.00	32/60x 6,0A	56.75x 3.53	47.35x1.78
2"	432/66x 8,5A	66x8.5	12	2.00	32/66x 8,5A	56.75x 3.53	47.35x1.78
2 1/2"	440/73x 7,0A	73x7.0	12	2.60	40/73x 7,0A	69.44x 3.53	56.87x1.78
3"	448/90x 9,0A	90x9.0	14	5.10	48/90x 9,0A	85.32x 3.53	72.75x1.78

 FLARE FLANGE CONNECTION TYPE B – FLAT FACE WITHOUT O-RING GROOVE

 ФЛАНЦЕВОЕ СОЕДИНЕНИЕ С ОТБОРТОВКОЙ – ТИП В

Drilled to ISO 6164 up to 4"



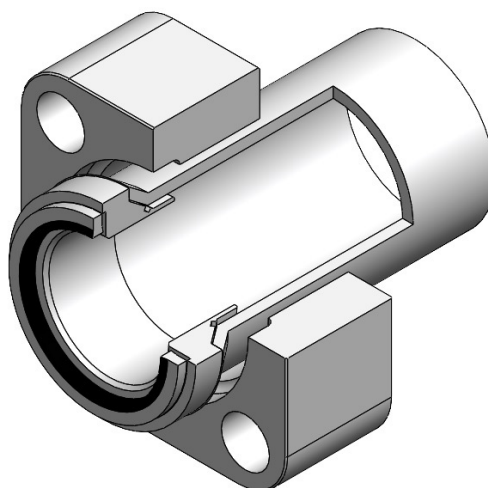
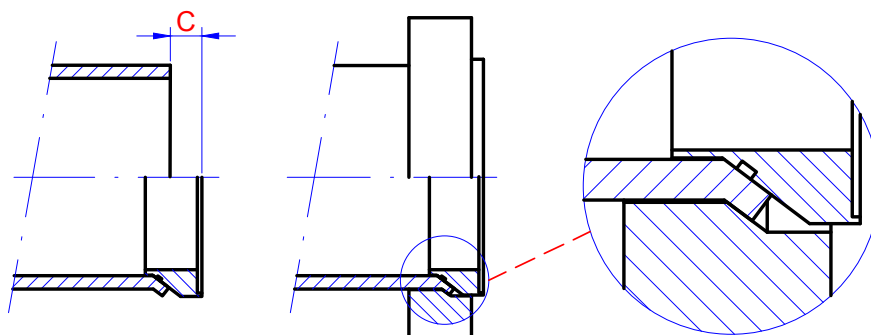
Type B - flat face without O-ring groove

Size	Complete	Pipe Size	C	Weight (kg)	Insert Part No	O-ring 2
1 1/2"	424/50x 5,0B	50x5.0	11	1.10	24/50x 5,0B	41.00x1.78
1 1/2"	424/56x 8,5B	56x8.5	12	1.60	24/56x 8,5B	37.82x1.78
2"	432/60x 6,0B	60x6.0	11	2.00	32/60x 6,0B	47.35x1.78
2"	432/66x 8,5B	66x8.5	12	2.00	32/66x 8,5B	47.35x1.78
2 1/2"	440/73x 7,0B	73x7.0	12	2.60	40/73x 7,0B	56.87x1.78
3"	448/90x 9,0B	90x9.0	14	5.10	48/90x 9,0B	72.75x1.78

FLARE FLANGE CONNECTION TYPE C – WITH BONDED SEAL GROOVE

ФЛАНЦЕВОЕ СОЕДИНЕНИЕ С ОТБОРТОВКОЙ – ТИП С

Drilled to ISO 6164 up to 4"



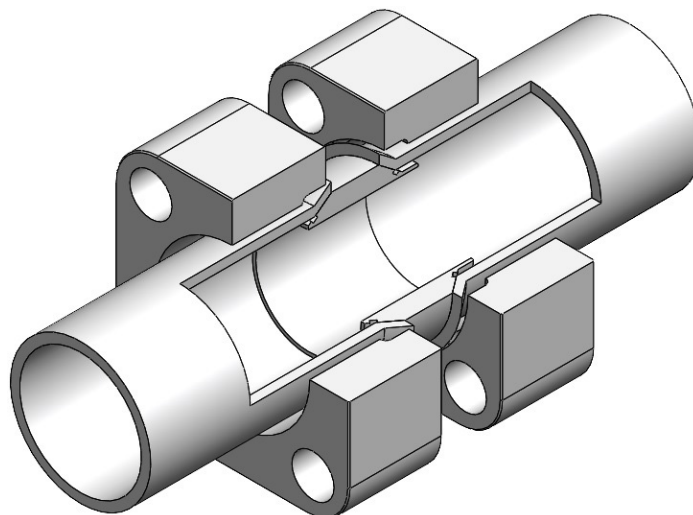
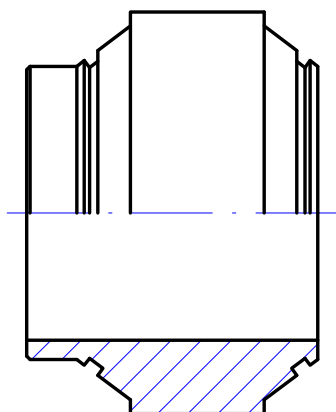
Type C - with bonded seal groove

Size	Complete	Pipe Size	C	Weight (kg)	Insert Part No	O-ring 2	Bonded seal
1 1/2"	424/50x 5,0C	50x5.0	11	1.10	24/50x 5,0C	41.00x1.78	BS-2432
1 1/2"	424/56x 8,5C	56x8.5	12	1.60	24/56x 8,5C	37.82x1.78	BS-2432
2"	432/60x 6,0C	60x6.0	11	2.00	32/60x 6,0C	47.35x1.78	BS-3219
2"	432/66x 8,5C	66x8.5	12	2.00	32/66x 8,5C	47.35x1.78	BS-3219
2 1/2"	440/73x 7,0C	73x7.0	12	2.60	40/73x 7,0C	56.87x1.78	BS-4037
3"	448/90x 9,0C	90x9.0	14	5.10	48/90x 9,0C	72.75x1.78	BS-4839

 FLARE FLANGE CONNECTION TYPE D – STRAIGHT COUPLINGS

 ФЛАНЦЕВОЕ СОЕДИНЕНИЕ С ОТБОРТОВКОЙ – ТИП D

Drilled to ISO 6164 up to 4"

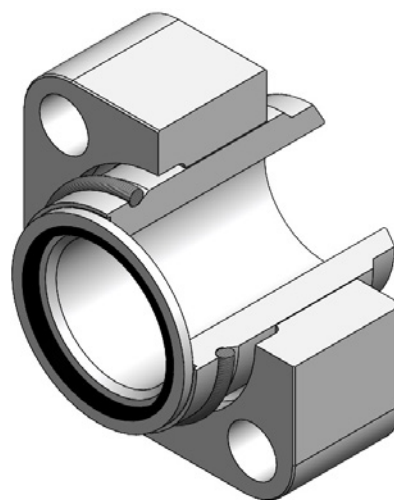
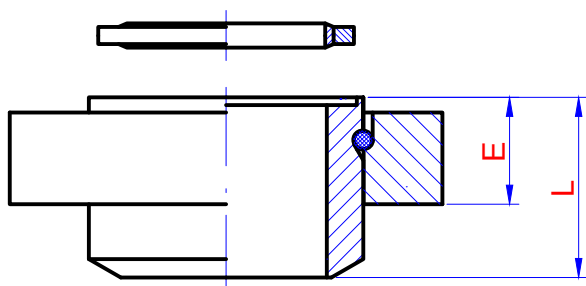


Type D - straight coupling

Size	Complete	Pipe Size	Weight (kg)	Insert Part No	O-ring 2
1 1/2"	424/50x 5,0D	50x5.0	3.30	24/50x 5,0D	41.00x1.78
1 1/2"	424/56x 8,5D	56x8.5	3.20	24/56x 8,5D	37.82x1.78
2"	432/60x 6,0D	60x6.0	3.80	32/60x 6,0D	47.35x1.78
2"	432/66x 8,5D	66x8.5	3.70	32/66x 8,5D	47.35x1.78
2 1/2"	440/73x 7,0D	73x7.0	5.20	40/73x 7,0D	56.87x1.78
3"	448/90x 9,0D	90x9.0	9.00	48/90x 9,0D	72.75x1.78

FLANGE FOR WELDING (2" – 4")
ПРИВАРНОЙ СТАКАН С ФЛАНЦЕМ (2" – 4")

Drilled to ISO 6164 up to 4"



Flange for Welding (2" - 4")

Size	Part Name	Pipe Size	L	E	Weight	Body
2"	FW-432011	66.0x8.5	75	42 42	2.41	32011
2"	FW-432001	50.0x9.0	50	42	2.24	32001
2"	FW-432002	60.0x6.0	50	42	2.06	32002
2"	FW-432003	60.0x8.0	50	42	2.15	32003
2"	FW-432008	48.3x5.6	50	42	2.17	32008
2"	FW-432009	60.0x10.0	50	42	2.23	32009
2"	FW-432010	56.0x8.5	50	42	2.20	32010
2"	FW-432085	60.3x8.7	75	42	2.30	32085
2"	FW-432086	60.3x11.1	75	42	2.35	32086
2 1/2"	FW-440011	80.0x10.0	85	43	3.70	40011
2 1/2"	FW-440003	65.0x8.0	50	43	3.18	40003
2 1/2"	FW-440006	76.1x6.3	50	43	2.98	40006
2 1/2"	FW-440007	76.1x12.5	50	43	3.22	40007
2 1/2"	FW-440010	73.0x7.0	50	43	2.99	40010
2 1/2"	FW-440085	73.0x9.5	90	43	3.00	40085
2 1/2"	FW-440086	73.0x14.0	90	43	3.50	40086
3"	FW-448011	97.0x12.0	110	51	6.32	48011
3"	FW-448004	76.1x12.5	60	51	5.64	48004
3"	FW-448005	80.0x10.0	60	51	5.30	48005
3"	FW-448006	88.9x8.8	60	51	5.01	48006
3"	FW-448007	88.9x12.5	60	51	5.30	48007
3"	FW-448010	88.9x7.6	60	51	4.92	48010
3"	FW-448085	88.9x11.1	110	51	5.70	48085
3"	FW-448086	88.9x15.2	110	51	6.30	48086
4"	FW-456011	115.0x15.0	140	56	11.5	56011
4"	FW-456003	88.9x12.5	80	56	9.51	56003
4"	FW-456005	100.0x10.0	80	56	9.04	56005
4"	FW-456006	101.6x8.1	80	56	8.85	56006
4"	FW-456007	101.6x16.0	80	56	9.64	56007
4"	FW-456010	114.3x17.5	90	56	10.2	56010
4"	FW-456085	114.3x13.5	140	56	8.90	56085
4"	FW-456086	114.3x17.1	140	56	10.6	56086

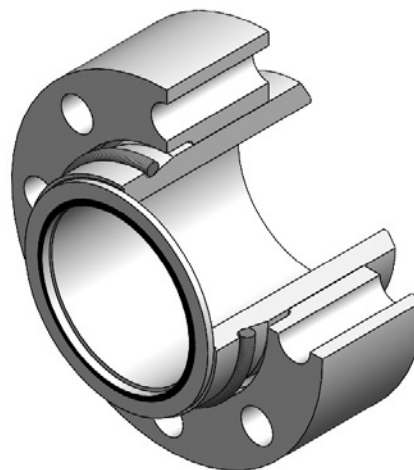
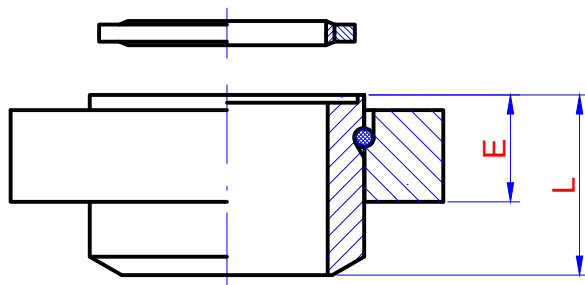


FLANGE FOR WELDING (4 1/2" – 10")



ПРИВАРНОЙ СТАКАН С ФЛАНЦЕМ (4 1/2" – 10")

Drilled to ISO 6164 up to 4"



Flange for Welding (4 1/2" - 10")

Size	Part Name	Pipe Size	L	E	Weight	Body
4 1/2"	FW-860011	130.0x15.0	130	54	12.4	60011
4 1/2"	FW-860002	88.9x12.5	100	54	11.4	60002
4 1/2"	FW-860006	101.6x8.1	100	54	10.7	60006
4 1/2"	FW-860008	110.0x12.5	100	54	11.2	60008
5"	FW-864011	150.0x15.0	155	56	18.3	64011
5"	FW-864001	114.3x12.5	100	56	15.8	64001
5"	FW-864002	139.7x14.2	100	56	15.6	64002
5"	FW-864003	141.3x15.9	100	56	16.0	64003
5"	FW-864086	141.3x19.1	100	56	17.8	64086
6"	FW-880011	190.0x20.0	175	78	29.9	80011
6"	FW-880001	139.7x14.2	150	78	28.5	80001
6"	FW-880003	168.3x17.5	150	78	28.1	80003
6"	FW-880085	168.3x18.3	150	78	32.0	80085
6"	FW-880086	168.3x22.0	150	78	33.1	80086
8"	FW-896011	250.0x25.0	200	78	57.4	96011
8"	FW-896001	168.3x17.5	150	78	55.1	96001
8"	FW-896002	193.7x20.0	150	78	54.0	96002
8"	FW-896003	219.1x22.2	150	78	53.0	96003
10"	FW-81600858	273x28.58	250	114	107	1600858
10"	FW-81600868	273x25.40	250	114	103	1600868

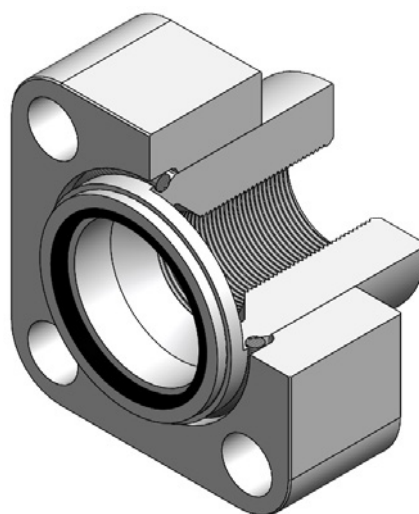
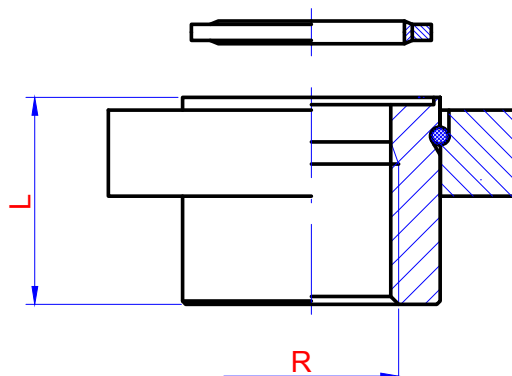


FEMALE THREAD FLANGE BSPP



СТАКАН С ВНУТРЕННЕЙ РЕЗЬБОЙ С ФЛАНЦЕМ BSPP

Drilled to ISO 6164 up to 4"



Female Thread Flange

Size	Part Name	L	R	Weight (kg)	Body
2"	FTF-432013	55	1 1/2"	3.10	32013
2 1/2"	FTF-440013	80	2"	3.60	40013
3"	FTF-448013	85	2 1/2"	5.80	48013
4"	FTF-456013	100	3"	10.5	56013

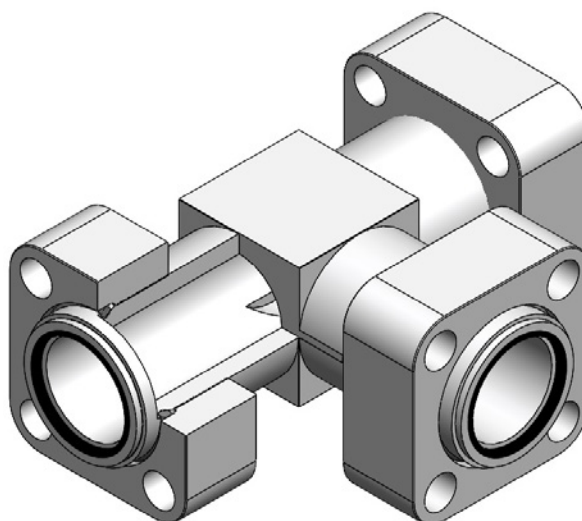
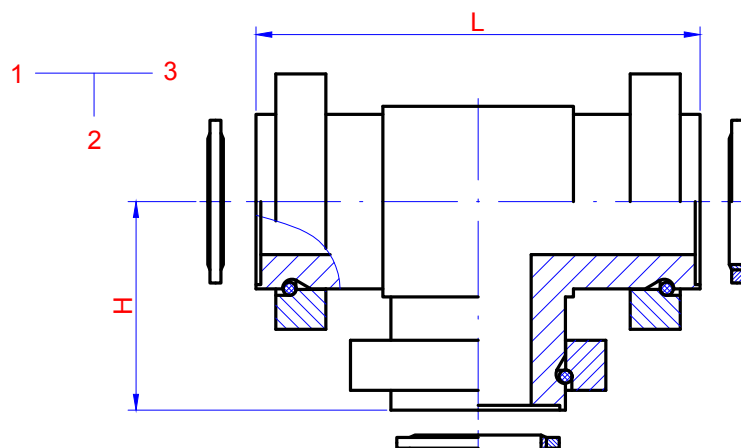


TEE FLANGE



ТРОЙНИК НА ФЛАНЦАХ

Drilled to ISO 6164 up to 4"



Tee Flange

Size	Part Name	L	H	Weight (kg)	Body
2"	TF-432016	220	110	8.97	32016
2 1/2"	TF-440016	260	130	13.0	40016
3"	TF-448016	320	160	23.1	48016
4"	TF-456016	400	200	41.7	56016
4 1/2"	TF-860016	390	195	45.3	60016
5"	TF-864016	460	230	66.2	64016
6"	TF-880016	550	275	112	80016
8"	TF-896016	650	325	227	96016

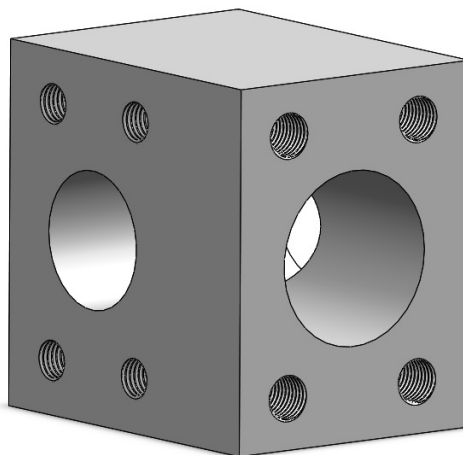
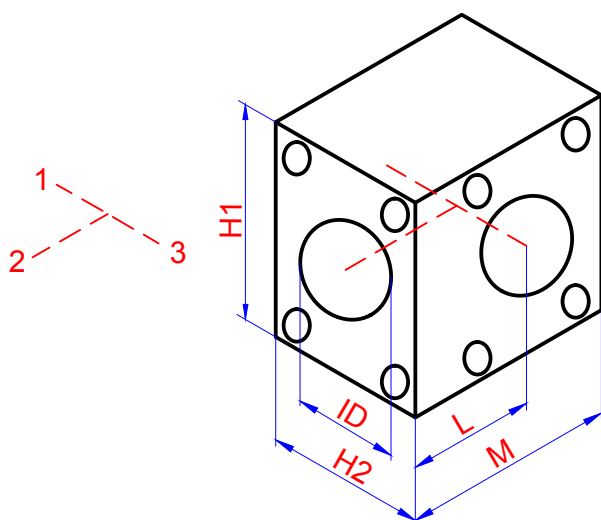


TEE BLOCK



ТРОЙНИК-МОНОЛИТ

Drilled to ISO 6164 up to 4"



Tee Block

Size	Part Name	L	H1	H2	M	I.D.	Weight (kg)
2"	TB-432116	90	100	100	140	48	7.39
2"	TB-432/624/432116	90	100	70	140	48/38/48	6.55
2"	TB-432/620/432116	90	100	70	140	48/30/48	6.81
2"	TB-432/616/432116	90	100	70	140	48/23/48	6.08
2 1/2"	TB-440116	100	120	120	160	60	13.1
2 1/2"	TB-440/432/440116	100	120	100	160	60/48/60	10.6
2 1/2"	TB-440/624/440116	100	120	80	160	60/38/60	8.10
2 1/2"	TB-440/620/440116	90	120	80	150	60/30/60	8.40
3"	TB- 448116	150	150	150	225	73	27.8
3"	TB-448/440/448116	130	150	120	205	73/60/73	20.5
3"	TB-448/432/448116	115	150	100	190	73/48/73	16.1
3"	TB-448/624/448116	115	150	80	190	73/38/73	13.5
4"	TB-456116	145	180	180	235	85	40.7
4"	TB-456/448/456116	135	180	150	225	85/73/85	34.7
4"	TB-456/440/456116	135	180	120	225	85/60/85	28.2
4"	TB-456/432/456116	115	180	120	205	85/48/85	26.0
4 1/2"	TB-860116	160	214	214	267	105	70.2
4 1/2"	TB-860/456/860116	160	214	190	267	105/85/105	64.1
4 1/2"	TB-860/448/860116	160	214	180	267	105/73/105	62.2
4 1/2"	TB-860/440/860116	160	214	170	267	105/60/105	59.8
5"	TB-864116	170	238	250	295	120	102
5"	TB-864/ 860/ 864116	170	238	250	295	120/105/120	106
5"	TB-864/ 456/ 864116	170	238	210	295	120/85/120	94.1
5"	TB-864/ 448/ 864116	170	238	210	295	120/73/120	96.2
6"	TB- 880116	210	300	300	360	150	174
6"	TB- 880/ 864/ 880116	200	300	260	350	150/120/150	160
6"	TB- 880/ 860/ 880116	200	300	260	350	150/105/150	163
6"	TB- 880/ 456/ 880116	190	300	230	340	150/85/150	121
8"	TB- 896116	270	386	386	463	200	386
8"	TB- 896/ 880/ 896116	257	386	330	450	200/150/200	332
8"	TB- 896/ 864/ 896116	237	386	300	430	200/120/200	294
8"	TB- 896/ 860/ 896116	237	386	250	430	200/105/200	297

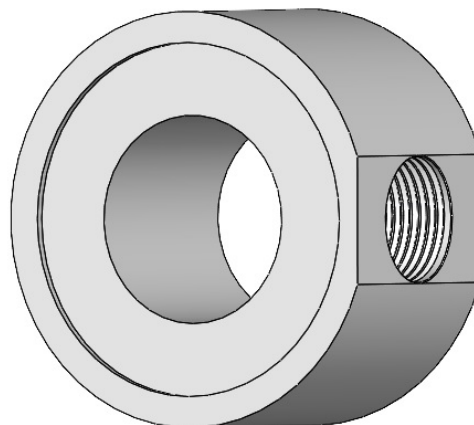
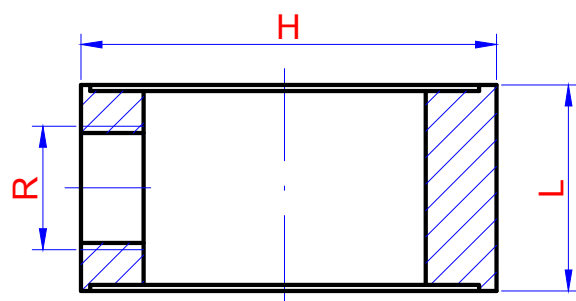


TEE BETWEEN BSPP



ВСТАВКА МЕЖДУ ФЛАНЦАМИ С ОТВОДОМ BSPP

Drilled to ISO 6164 up to 4"



Tee Between BSPP

Size	Part Name	L	H	R	Weight (kg)
2"	TBT- 32035	25	36.0	1/4"	0.50
2"	TBT- 32036	35	34.6	1/2"	0.60
2 1/2"	TBT- 40036	35	42.6	1/2"	1.00
2 1/2"	TBT- 40037	40	41.0	3/4"	1.00
3"	TBT- 48036	45	49.0	1/2"	1.70
3"	TBT- 48037	55	54.0	3/4"	1.90
4"	TBT- 56036	35	67.0	1/2"	2.60
4"	TBT- 56037	40	64.0	3/4"	2.80
4 1/2"	TBT- 60036	35	70.0	1/2"	3.00
4 1/2"	TBT- 60037	40	69.0	3/4"	3.30
5"	TBT- 64036	35	83.0	1/2"	4.00
5"	TBT- 64037	40	80.0	3/4"	4.30
6"	TBT- 80038	45	100.0	1"	10.0

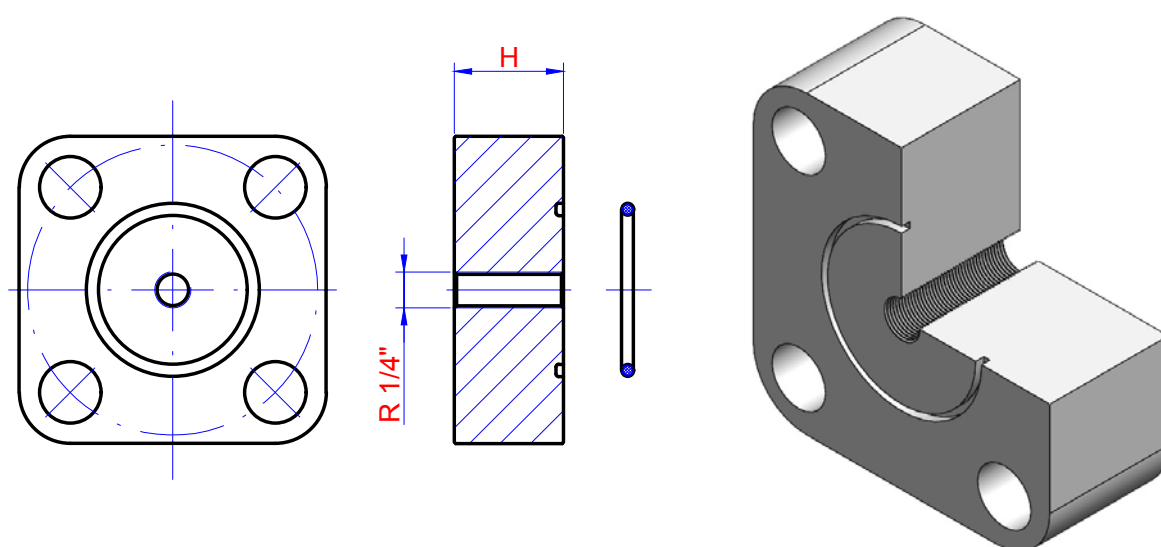


BLIND FLANGE



ФЛАНЕЦ - ЗАГЛУШКА

Drilled to ISO 6164 up to 4"



Blind Flange, 3000 psi

Size	Part Name	H	O-ring	Weight
2"	BF- 432125	40	53.57 x 3.53	2.70
2 1/2"	BF- 440125	40	66.27 x 3.53	3.80
3"	BF- 448125	45	82.14 x 3.53	6.30
4"	BF- 456125	50	98.02 x 3.53	10.80
4 1/2"	BF- 860125	50	110.72 x 3.53	15.90
5"	BF- 864125	50	136.12 x 3.53	20.00
6"	BF- 880125	70	158.34 x 3.53	32.50
8"	BF- 896125	70	209.14 x 3.53	42.00

Manufacturing tolerance for flange thickness (S) +/- 3%

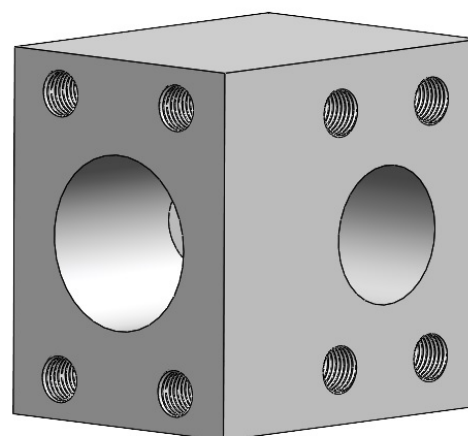
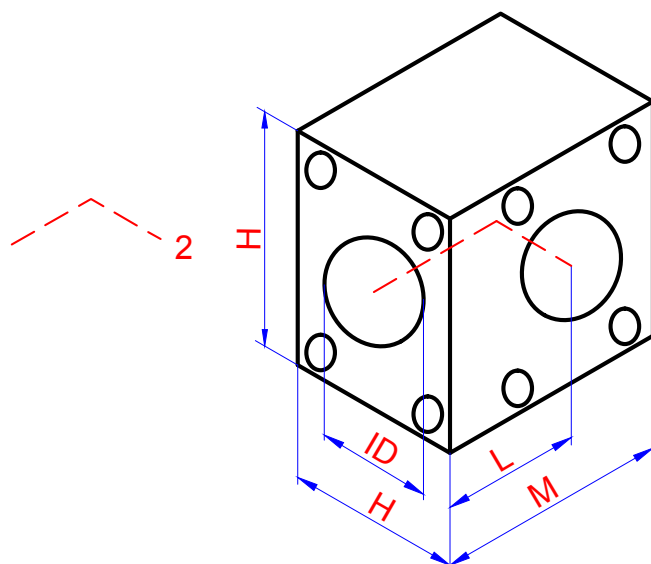


ELBOW BLOCK



УГЛОВОЙ ЭЛЕМЕНТ - МОНОЛИТ

Drilled to ISO 6164 up to 4"



Tee Between BSPP

Size	Part Name	H	L	M	ID	Weight (kg)
2"	EB- 432115	100	90	140	48	8.80
2 1/2"	EB- 440115	120	100	160	60	14.50
3"	EB- 448115	150	150	225	73	31.60
4"	EB- 456115	180	145	235	85	48.30
4 1/2"	EB- 860115	214	160	267	105	79.60
5"	EB- 864115	250	170	295	120	92.90
6"	EB- 880115	300	210	360	150	204.0
8"	EB- 896115	386	270	463	200	370.0

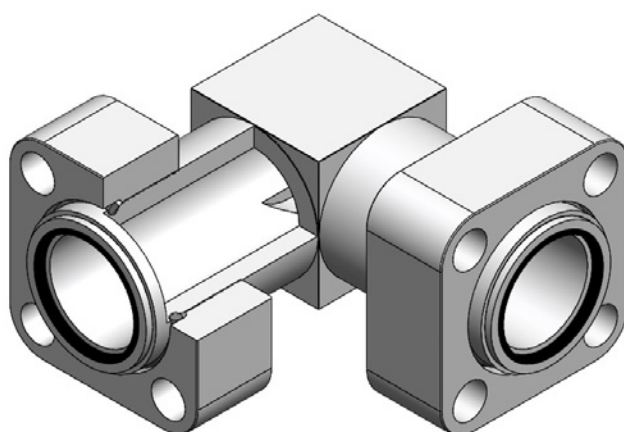
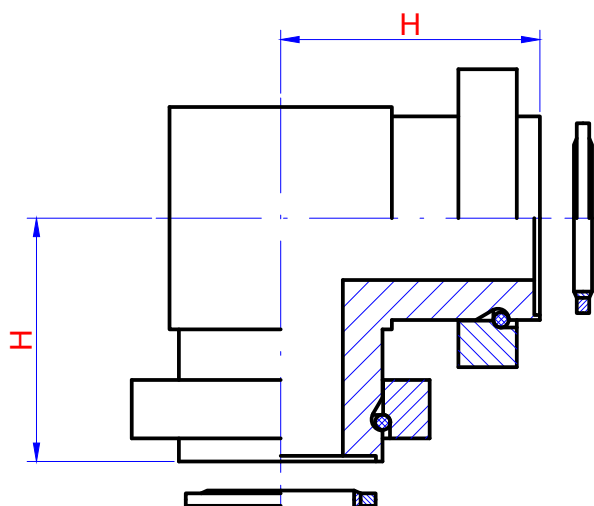


ELBOW FLANGE



УГЛОВОЙ ЭЛЕМЕНТ НА ФЛАНЦАХ

Drilled to ISO 6164 up to 4"



Elbow Flange

Size	Part Name	H	Body	Weight (kg)
2"	EF-432015	110	32015	6.69
2 1/2"	EF-440015	130	40015	9.67
3"	EF-448015	160	48015	17.4
4"	EF-456015	200	56015	32.3
4 1/2"	EF-860015	195	60015	34.5
5"	EF-864015	230	64015	50.4
6"	EF-880015	275	80015	94.8
8"	EF-896015	325	96015	178

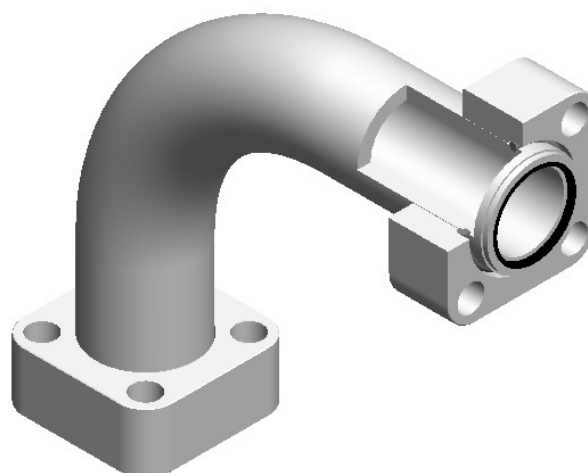
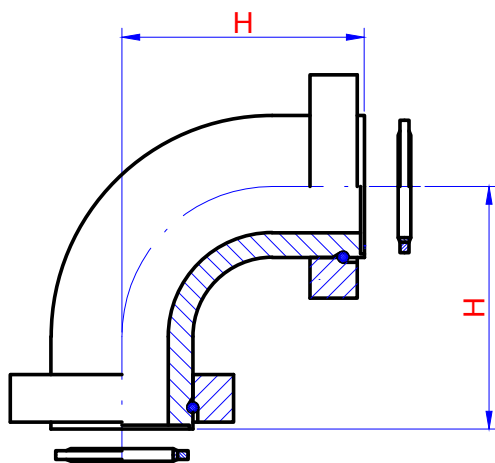


FLANGE BEND



УГЛОВОЙ ЭЛЕМЕНТ НА ФЛАНЦАХ ГНУТЫЙ

Drilled to ISO 6164 up to 4"



Flange Bend

Size	Part Name	H	Bending rad	Body	Weight (kg)
2"	FB-432018	275	165	32018	8.70
2 1/2"	FB-440018	450	200	40018	18.0
3"	FB-448018	540	244	48018	30.8
4"	FB-456018	580	289	56018	54.0
4 1/2"	FB-860018	610	326	60018	62.0
5"	FB-864018	690	376	64018	82.6
6"	FB-880018	760	380	80018	153
8"	FB-896018	1000	500	96018	319

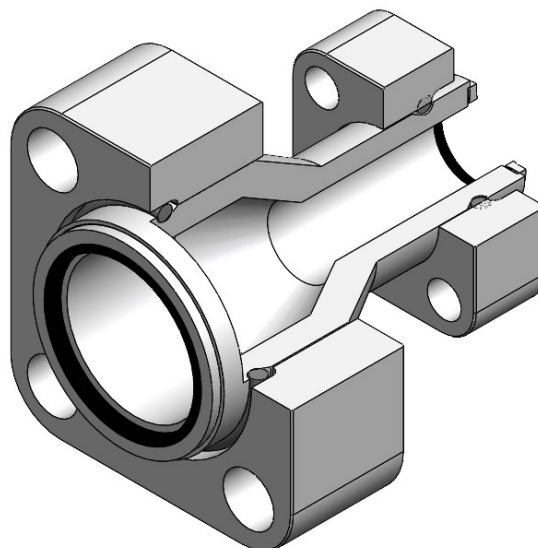
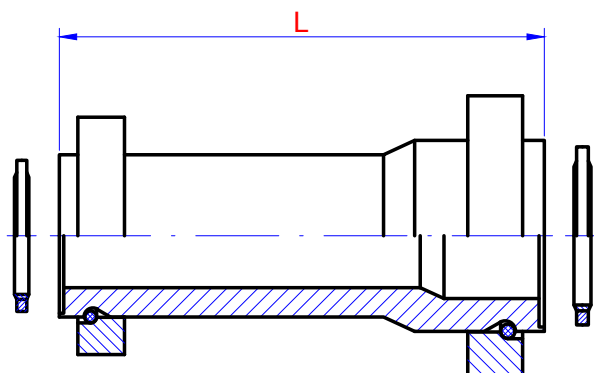


REDUCER FLANGE



УМЕНЬШАЮЩИЙ АДАПТЕР НА ФЛАНЦАХ

Drilled to ISO 6164 up to 4"



Reducer Flange

Size	Part Name	L	Weight (kg)	Body
2"-1 1/2"	RF432-624	130	4.31	RF32-24
2"-1 1/4"	RF432-620	130	3.55	RF32-20
2 1/2"-2"	RF440-432	150	5.91	RF40-32
2 1/2"-1 1/2"	RF440-624	150	5.50	RF40-24
3"-2 1/2"	RF448-440	180	9.68	RF48-40
3"-2"	RF448-432	180	8.58	RF48-32
4"-3"	RF456-448	200	16.6	RF56-48
4"-2 1/2"	RF456-440	200	13.7	RF56-40
4"-2"	RF456-432	200	12.5	RF56-32
4 1/2"-4"	RF860-456	250	23.6	RF60-56
4 1/2"-3"	RF860-448	250	19.6	RF60-48
5"-4 1/2"	RF864-860	250	29.8	RF64-60
5"-4"	RF864-456	250	28.8	RF64-56
5"-3"	RF864-448	250	25.3	RF64-48
6"-5"	RF880-864	250	42.9	RF80-64
6"-4 1/2"	RF880-860	250	38.1	RF80-60
6"-4"	RF880-456	250	38.0	RF80-56
6"-3"	RF880-448	250	35.0	RF80-48
8"-6"	RF896-880	300	79.7	RF96-80
8"-5"	RF896-864	300	72.8	RF96-64

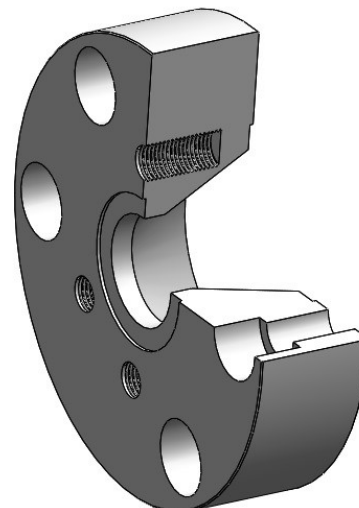
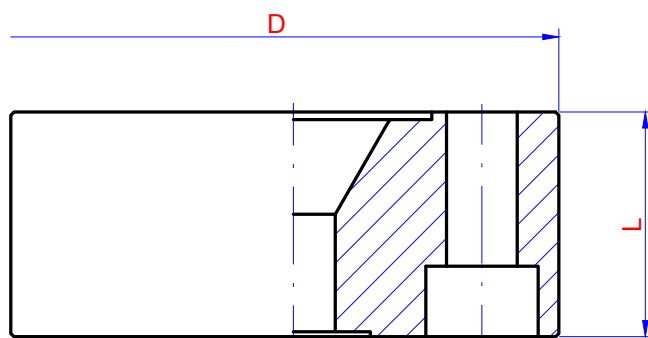


REDUCER BLOCK



УМЕНЬШАЮЩИЙ АДАПТЕР - МОНОЛИТ

Drilled to ISO 6164 up to 4"



Reducer Block

Size	Part Name	D	L	Weight (kg)	L1 bolt size
2 1/2"-2"	RBE 440-432	157	45	5.47	M20x50
2 1/2"-1 1/2"	RBE 440-624	157	45	5.49	M20x50
2 1/2"-1 1/4"	RBE 440-620	157	45	5.78	M20x50
3"-2 1/2"	RBE 448-440	191	50	8.29	M24x55
3"-2"	RBE 448-632	191	50	8.60	M24x55
3"-1 1/2"	RBE 448-624	191	50	8.86	M24x55
4"-3"	RBE 456-448	230	60	13.9	M30x65
4"-2 1/2"	RBE 456-440	230	60	14.6	M30x65
4"-2"	RBE 456-632	230	60	15.2	M30x65
4 1/2"-4"	RBE 860-456	220	85	18.4	M20x90
4 1/2"-3"	RBE 860-448	220	85	19.7	M20x90
4 1/2"-2 1/2"	RBE 860-440	220	85	20.5	M20x90
5"-4 1/2"	RBE 864-860	250	80	21.3	M24x85
5"-4"	RBE 864-456	250	80	21.6	M24x85
5"-3"	RBE 864-448	250	80	23.2	M24x85
6"-5"	RBE 880-864	300	80	31.1	M30x90
6"-4 1/2"	RBE 880-860	300	80	33.7	M30x90
6"-4"	RBE 880-456	300	80	33.8	M30x90
8"-6"	RBE 896-880	385	100	67.5	M36x120
8"-5"	RBE 896-864	385	100	70.8	M36x120
8"-4 1/2" 1/2"	RBE 896-860	385	100	71.9	M36x120

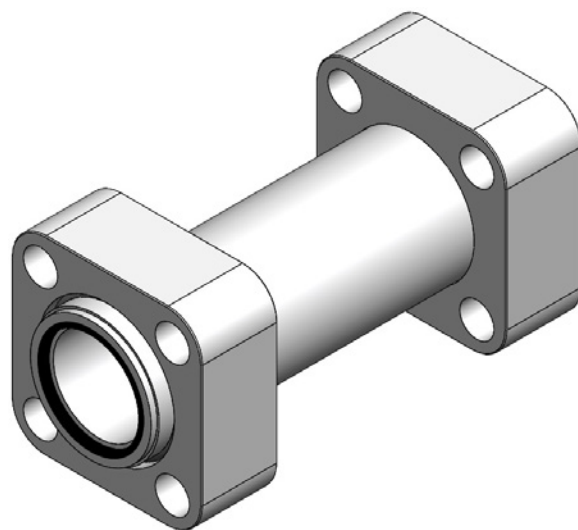
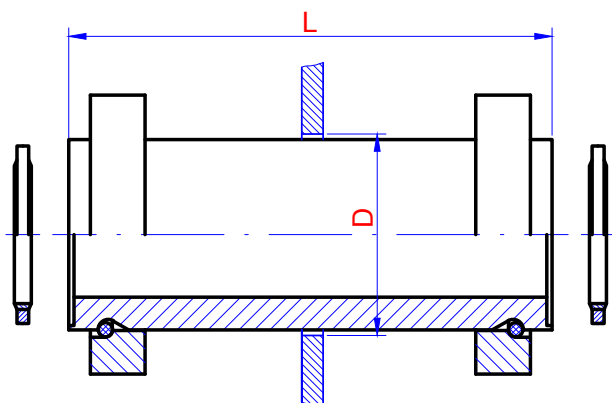


BULKHEAD FLANGES



ПЕРЕБОРОЧНЫЙ СТАКАН НА ФЛАНЦАХ

Drilled to ISO 6164 up to 4"



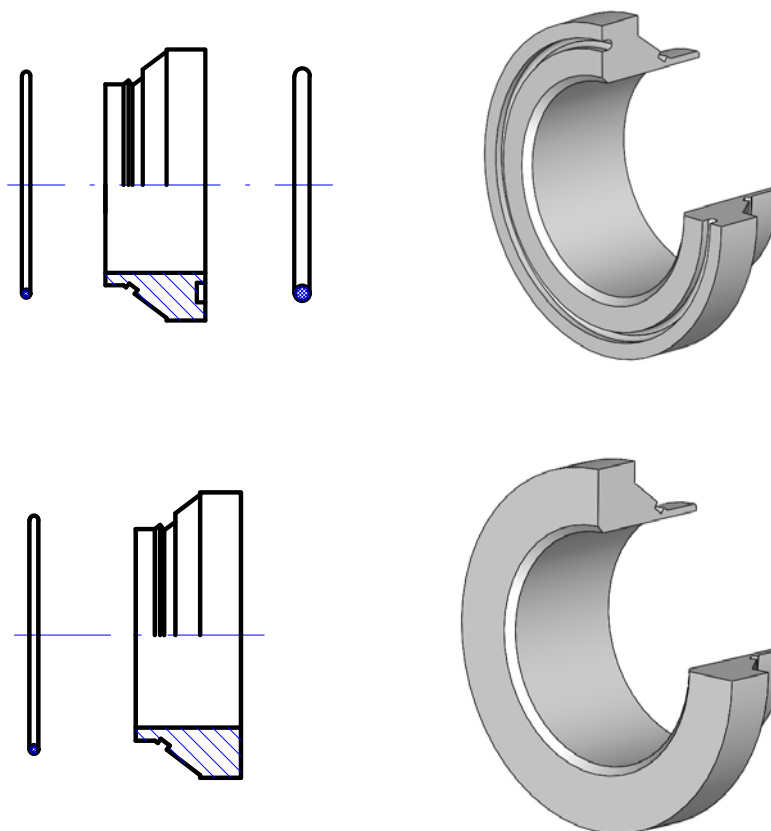
Bulkhead Flanges

Size	Part Name	D	L	Weight (kg)	Body
2"	BUF-432019	210	68	5.80	32019
2 1/2"	BUF-440019	220	82	8.20	40019
3"	BUF-448019	240	99	14.0	48019
4"	BUF-456019	260	117	23.3	56019
4 1/2"	BUF-860019	260	132	27.0	60019
5"	BUF-864019	260	152	32.6	64019
6"	BUF-880019	290	192	60.0	80019
8"	BUF-896019	320	252	105.0	96019

 INSERT CONES FOR FLARE FLANGE CONNECTIONS TYPE A, B

 КОНИЧЕСКИЕ ВСТАВКИ ДЛЯ ФЛАНЦЕВЫХ СОЕДИНЕНИЙ ПОД ОТБОРТОВКУ ТИП А, В

Drilled to ISO 6164 up to 4"



Insert Cones for Flare Flange Connections

Size	Part Name Type A	Part Name Type B	Pipe size
1 1/2"	24/50x5.0 A	24/50x5.0 B	50 x 5.0
2"	32/60x6.0 A	32/60x6.0 B	60 x 6.0
2 1/2"	40/73x7.0 A	40/73x7.0 B	73 x 7.0

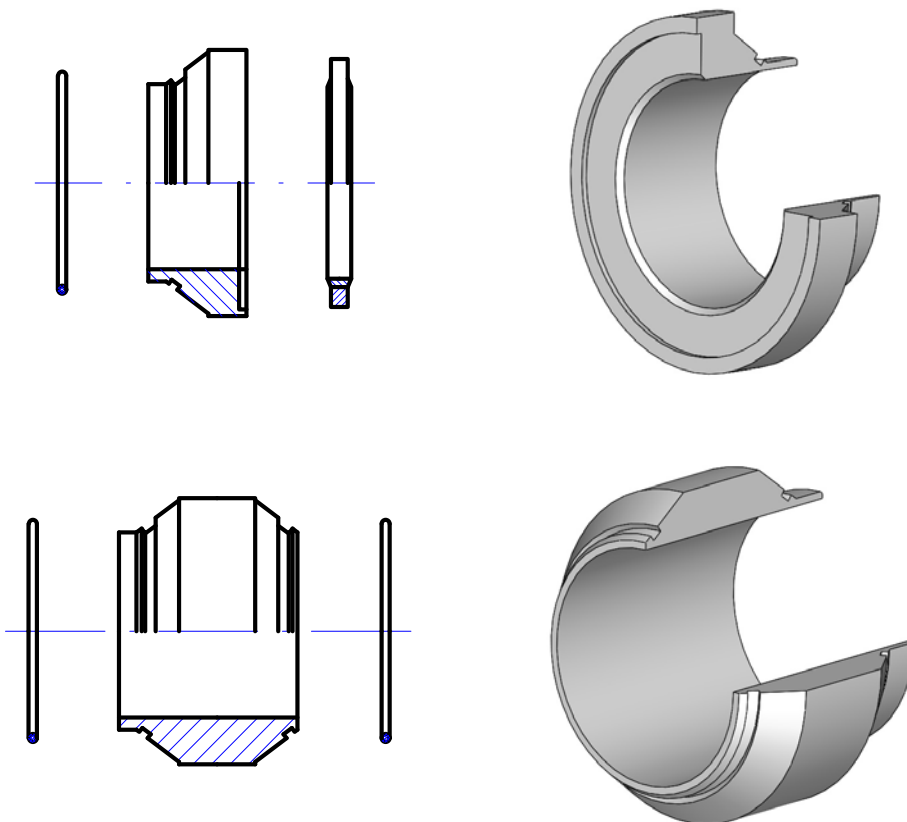


INSERT CONES FOR FLARE FLANGE CONNECTIONS TYPE C, D



КОНИЧЕСКИЕ ВСТАВКИ ДЛЯ ФЛАНЦЕВЫХ СОЕДИНЕНИЙ ПОД ОТБОРТОВКУ ТИП С, D

Drilled to ISO 6164 up to 4"

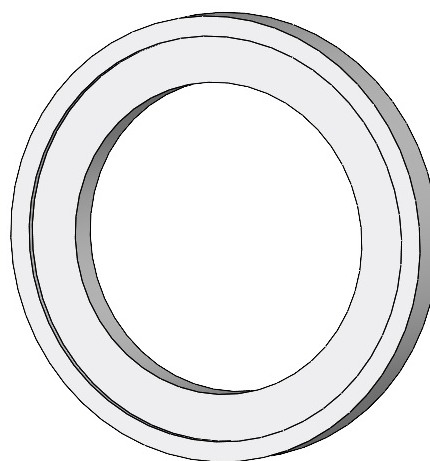
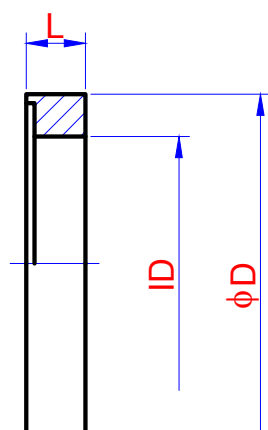


Insert Cones for Flare Flange Connections

Size	Part Name Type C	Part Name Type D	Pipe size
1 1/2"	24/50x5.0 C	24/50x5.0 D	50 x 5.0
2"	32/60x6.0 C	32/60x6.0 D	60 x 6.0
2 1/2"	40/73x7.0 C	40/73x7.0 D	73 x 7.0

 ADAPTERS
 ПЕРЕХОДНИК

Drilled to ISO 6164 up to 4"



Adapter between O-ring and Bonded Seal, metric

Size	Part Name	L	D	ID	Weight (kg)
2"	ADP-32099	7	70	49	0.12
2 1/2"	ADP-40099	7	84	60	0.16
3"	ADP-48099	7	102	72	0.22

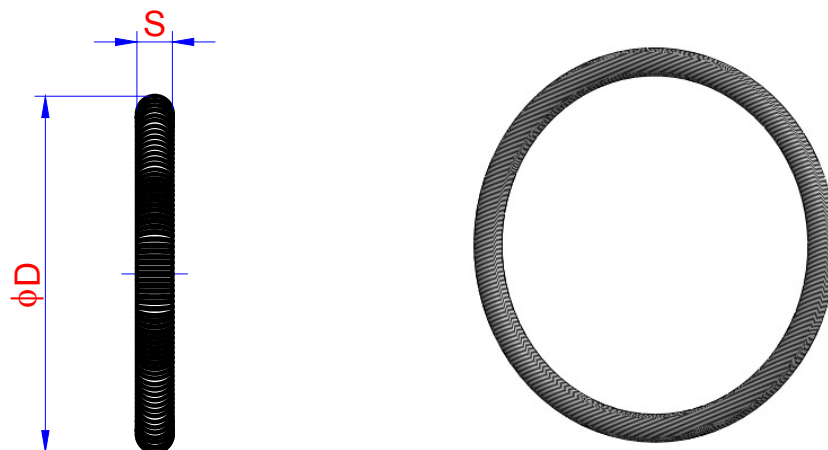


RETAIN RING



УПОРНЫЕ КОЛЬЦА

Drilled to ISO 6164 up to 4"



Retain Ring, Metric pipes

Size	Part Name	H	Bending rad	Body
2"	RR-32	66x8.5	71	5
2 1/2"	RR-40	80x10	85	5
3"	RR-48	97x12	103	6
4"	RR-56	115x15	123	8
4 1/2"	RR-60	130x15	138	8
5"	RR-64	150x15	158	8
6"	RR-80	190x20	200	10
8"	RR-88	220x20	232	12
8"	RR-96	250x25	262	12

Retain Ring, ANSI 36.10/ 36.19 pipes

Size	Part Name	Pipe O.D.	D	S
2"	RR-32/60.3	60.3	65.3	5
2 1/2"	RR-40/73	73.0	78.0	5
3"	RR-48/88.9	88.9	94.9	6
4"	RR-56	114.3	123	8
5"	RR-64/141.3	141.3	149.3	8
6"	RR-80/168.3	168.3	178.3	10
8"	RR-88	219.1	232	12
10"	RR-160/273	273.0	285	12
12"	RR-224/323.9	323.9		
14"	RR-224/355.6	355.6		

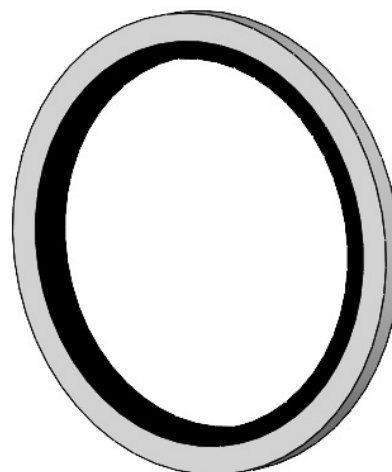
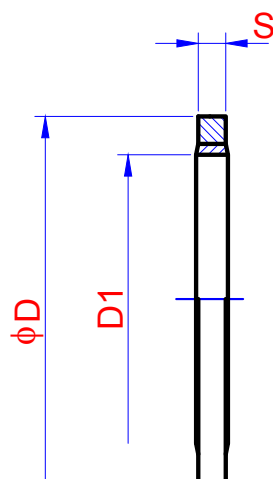


BONDED SEAL



АРМИРОВАННЫЕ УПЛОТНЕНИЯ

Drilled to ISO 6164 up to 4"



Bonded Seal for metric pipe ends

Size	Part Name	S	D	D1
2"	BS-3219	3.25	63.50	51.69
2 1/2"	BS-4037	3.25	75.00	64.39
3"	BS-4839	3.25	90.17	76.08
4"	BS-5644	4.0	110.0	95.00
4 1/2"	BS-6000	4.0	126.0	108.0
5"	BS-6455	5.0	143.7	127.0
6"	BS-8001	8.0	181.0	155.0
8"	BS-9600	9.0	240.0	205.0

Bonded Seal for ANSI 36.10/ 36.19 pipe ends

Size	Part Name	S	D	D1
2"	BS-3260	3.25	55.50	46.50
2 1/2"	BS-4073	3.25	69.85	54.89
3"	BS-4888	4.0	83.80	70.00
4"	BS-5644	4.0	110.0	95.00

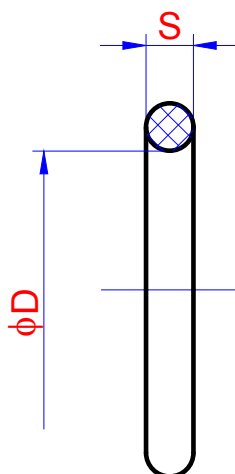


O-RINGS FOR INSERT CONES



УПЛОТНИТЕЛЬНЫЕ КОЛЬЦА ДЛЯ КОНИЧЕСКИХ ВСТАВОК

Drilled to ISO 6164 up to 4"

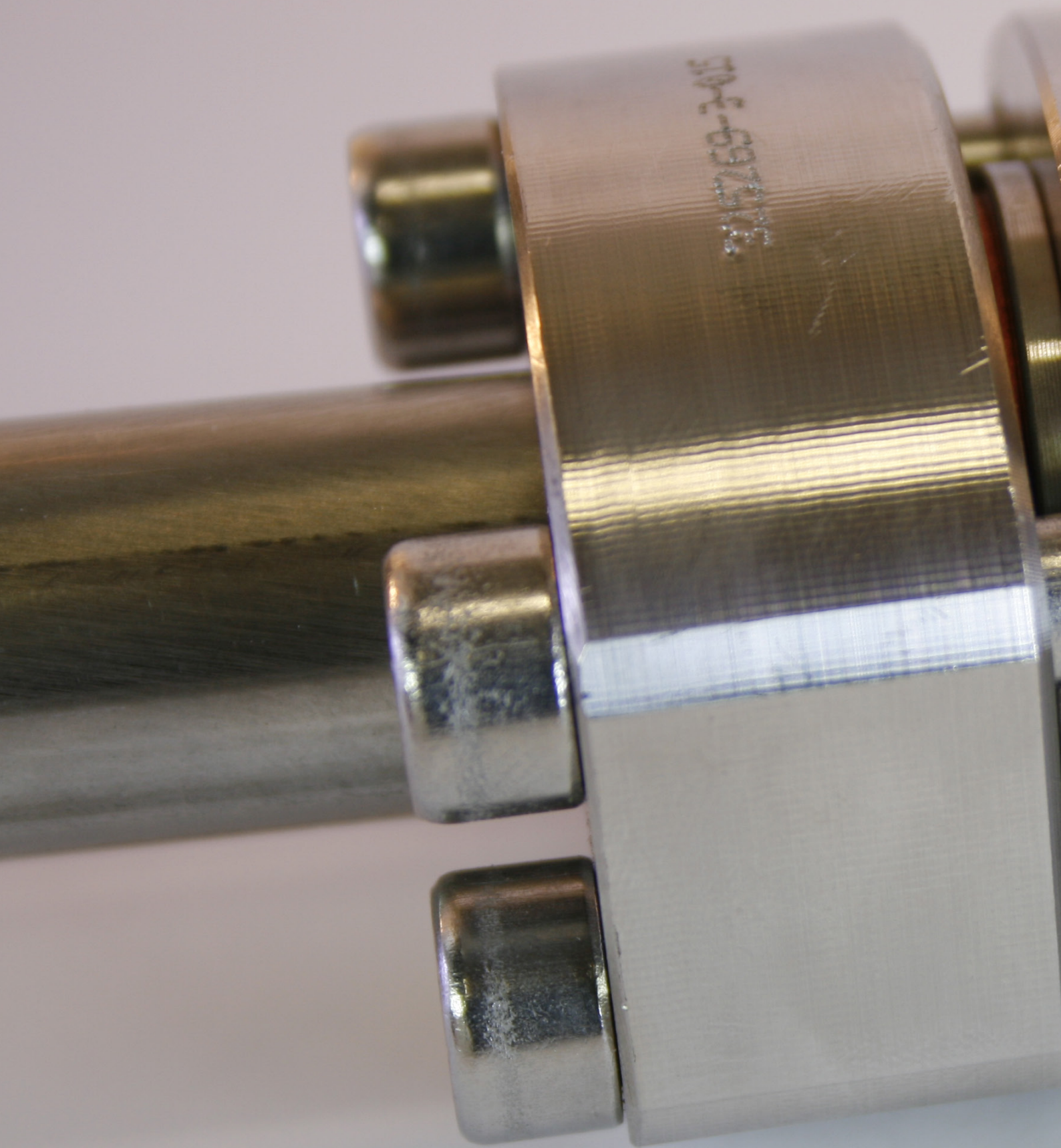


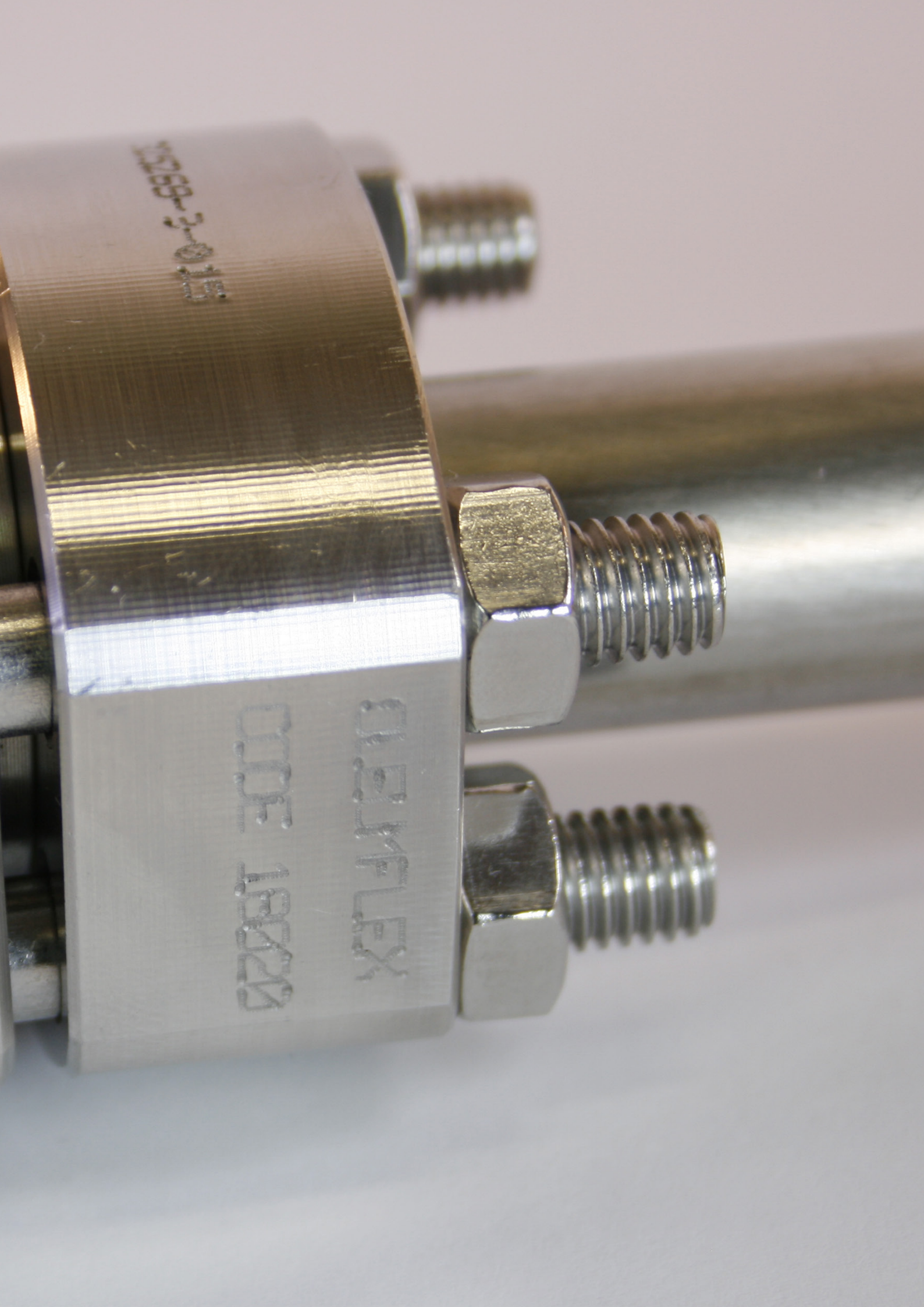
O-Ring between Insert Cones

Pipe Size	Part Name	D	S
50x5	47.22x3.53	47.22	3.53
60x6	56.75x3.53	56.75	3.53
73x7	69.44x3.53	69.44	3.53

O-Ring 2 for insert cones

Pipe Size	Part Name	D	S
50x5	41x1.78	41.00	1.78
60x6	47.35x1.78	47.35	1.78
73x7	56.87x1.78	56.87	1.78





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REFLEX

About Oleum Flex

The company **OLEUM FLEX** d.o.o. was founded in 2012 in order to transfer the experience and knowledge we gained over 20 years as founders of programs of hydraulic and industrial installations with our business partners in solving their project tasks and demanding technical issues.

Our desire and objective is to become the market leader for the oil industry in Croatia and Eastern Europe.

We can also carry out designs, production, montage and sales of installations for hydraulic and other media in a wide range of technical parameters for a group of products. We present the information on these products on the following pages of this catalogue so as to introduce you as well as possible to our production and sales program.

In comparison to our competitors, an advantage of

OLEUM FLEX d.o.o. is primarily the diligent and patient work of our employees, knowledge, professional knowledge, competences and the quality of provided services, technical solutions and the speed and competitiveness of our products.

Our objective is to be the market leader, and keeping our company in that position as a reliable business partner is our obligation towards all companies which will put their trust in us and collaborate with our company.

We hope that your company will be among those to establish a successful business collaboration to our mutual pleasure.

With this in mind, we salute you warmly and await your contact.

О фирме Oleum Flex

Фирма **OLEUM FLEX** d.o.o. основана в 2012 году с намерением передать и поделиться 20-ти летним опытом и знаниями в программе гидравлических и промышленных установок с деловыми партнерами в решении их проектных заданий и требовательных технических проблем.

Наше желание и цель – стать рыночным лидером по программам для нефтяной промышленности в Хорватии и Восточной Европе.

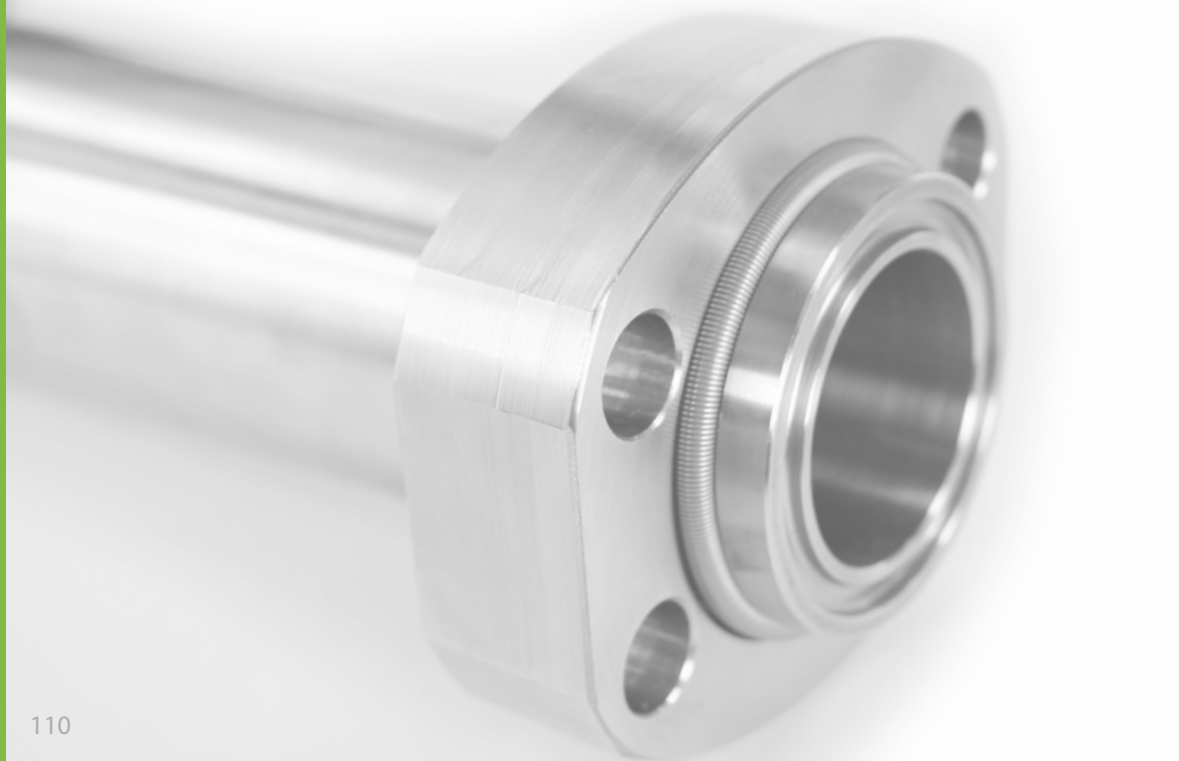
Мы также можем выполнять проектирование, производство, монтаж и продажу установок для гидравлических и других рабочих сред в широком диапазоне технических параметров, группы изделий, основные данные которые приводим для сведения на ниже следующих страницах настоящего каталога, чтобы как лучше ознакомить Вас с нашей

производственно-торговой программой.

По сравнению с конкуренцией, преимущество фирмы **OLEUM FLEX** d.o.o. заключается прежде всего в старательной и терпеливой работе наших работников, знании, квалифицированности, компетенции, качестве и скорости предоставляемых услуг, а также в ценах наших изделий.

Наша цель – стать рыночным лидером, а удержать фирму на этом месте надежных деловых партнеров – обязательство ко всем фирмам, которые дадут нам свое полное доверие. Надеемся, что Ваша фирма будет также среди тех, с которыми мы восстановим успешное и взаимовыгодное сотрудничество.

Приветствуем Вас и надеемся в ближайшее время восстановить контакты с Вами.





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