



Pipeline Accessories

Rubber Steel Gaskets
4 pipes



Flange Gaskets - Type RSG 4 pipes



DVGW Registration
number: NG-5113DM0218

Product Information

RSG 4 pipes Rubber-Steel-Flange-Gaskets are manufactured of friction-locked vulcanised elastomer with an inner steel ring. The elastomer body provides secure sealing of the flange connection. The special shape with the elliptic ring on the inside provides an in-built seal with additional, functional sealing potential. This special shape works like an additional "O-ring". The inner steel ring provides a high level of physical stability and long-term functionality. Clear identification marking in different colours prevents any mismatching or mix-ups.

Material qualities, approvals and technical data

RSG-TW for drinking water and sewage water networks: EPDM

Operating temperature: -25°C to +120°
Hardness degree: 70+/-5 Shore A
Approvals: **DVGW W270, Elastomer guide line of UBA/KTW, WRAS and ACS,** DVGW certificate of conformity hygiene
Specifications: DIN-EN 681-1, Type WA/WC/70

RSG-G for Gas Systems: NBR

Operating temperature: -25°C to 90°C
Hardness degree: 80+/-5 Shore A
Approval: **DVGW-EN 682** (Installation for transport and distribution of gases or liquid hydrocarbons, hydrogen resistant)
Specifications: DIN-EN 682, Type GBL/80;
DIN-EN 30690-1/EN 13555/VDI 2200 Possible field of application up to incl. PN40 (DP40) - tested, certified

RSG-FKM for the chemical Industry

Operating temperature: -25°C bis 200°C
Hardness degree: 70 ± 5 Shore A
Out of all the elastomer qualities, FKM has the best resistance to heat, chemicals and solvents.

Other materials on request.

Application

Rubber-steel-flange gaskets are intended for:

- drinking water pipelines and systems
- sewage water pipelines and systems
- gas pipeline systems
- all iron, stainless steel, cast iron and plastic flange connections



The elastomers offers a wide range of resistancy.

EPDM provides excellent resistance to several substances, including different chemicals, industrial water, aqueous salt solutions and is **DVGW approved for drinking water application.**

Very good ozone and UV resistance!

NBR provides excellent resistance to several substances, including different mineral oils, fuels, greases, other hydrocarbons and **100% H₂ hydrogen.** **DVGW approved for gas application.**

FKM is very resistant to alkalis, acids and high temperatures.

Chemical resistance table available: www.4pipes.de

Advantages

- printing and colour markings according to standards
- self-centring (inner-bolt-circle layout)
- easy assembling
- high tightening value at low bolt forces due to special shape (elliptic ring)
- best performance for secure tightening in plastic flanges
- high physical stability in assembling and operating process
- high operating safety
- no retorquing required
- no leakage
- cost efficient

RSG flange gaskets - Types

RSG-TW RSG-FKM RSG-G	Manufactured acc. to DIN EN 1514-1 (formerly DIN 2690) type IBC for flanges acc. to DIN EN 1092-1 and -2
RSG-TW-K RSG-G-K RSG-FKM-K	Manufactured for PE/PP/PVC/PVDF pressure pipe Flanges with plastic welding necks, lap-joint flanges with welding rod or flanged bush similar to DIN 16962-4 (PP)/DIN 16963-4 (PE)/DIN EN 1092-1 (DIN 2501 PN 10/16) Type IBC
RSG- ANSI	Manufactured for ANSI/ASME B16.5 type IBC flanges

For all available dimensions and pressure ratings, please see our price list or feel free to ask for what is required.

The 4 pipes warranty only applies to faulty material. Checking the suitability of the product for the individual application is solely the responsibility of the user. 4 pipes does not grant any warranty for pre-installed or reused flange gaskets.

Rubber-steel flange gasket type RSG for steel and cast iron flanges DN15 - DN350



Rubber EPDM-KTW**



Rubber Nitrile*



Rubber FKM

DN	Dimensions in mm EN 1514-1 ISO 7483	Pressure Rate PN					Art.-No.	Art.-No.	Art.-No.
		6	10	16	25	40			
15	22 x 51 x 4		x	x	x	x	13600	13500	13700
20	27 x 61 x 4		x	x	x	x	13601	13501	13701
25	34 x 71 x 4		x	x	x	x	13602	13502	13702
32	43 x 76 x 4	x					13603	13503	13703
	43 x 82 x 4		x	x	x	x	13604	13504	13704
40	49 x 92 x 4		x	x	x	x	13605	13505	13705
50	61 x 96 x 5	x					13606	13506	13706
	61 x 107 x 5		x	x	x	x	13607	13507	13707
65	77 x 116 x 5	x					13608	13508	13708
	77 x 127 x 5		x	x	x	x	13609	13509	13709
80	89 x 132 x 5	x					13682	13582	13782
	89 x 142 x 4		x	x	x	x	13610	13510	13710
100	115 x 152 x 6	x					13611	13511	13711
	115 x 162 x 5		x	x			13612	13512	13712
	115 x 168 x 6				x	x	13613	13513	13713
125	141 x 182 x 6	x					13614	13514	13714
	141 x 192 x 5		x	x			13615	13515	13715
	141 x 194 x 6				x	x	13616	13516	13716
150	169 x 207 x 7	x					13617	13517	13717
	169 x 218 x 5		x	x			13618	13518	13718
	169 x 224 x 7				x	x	13619	13519	13719
200	220 x 262 x 7	x					13620	13520	13720
	220 x 273 x 6		x	x			13621	13521	13721
	220 x 284 x 7				x		13622	13522	13722
	220 x 290 x 7					x	13623	13523	13723
250	273 x 317 x 7	x					13624	13524	13724
	273 x 328 x 6		x				13625	13525	13725
	273 x 329 x 7			x			13626	13526	13726
	273 x 340 x 7				x		13627	13527	13727
	273 x 352 x 7					x	13628	13528	13728
300	324 x 373 x 6	x					13629	13529	13729
	324 x 378 x 6		x				13630	13530	13730
	324 x 384 x 7			x			13631	13531	13731
	324 x 400 x 7				x		13632	13532	13732
	324 x 417 x 7					x	13633	13533	13733
350	356 x 423 x 7	x					13634	13534	13734
	356 x 438 x 7		x				13635	13535	13735
	356 x 444 x 7			x			13636	13536	13736
	356 x 457 x 7				x		13637	13537	13737
	356 x 474 x 7					x	13638	13538	13738

* Nitrile Gas approval DVGW

** according to DVGW W270, Elastomer Guideline of the UBA/KTW DVGW-Confirmation of conformity hygiene, WRAS and ACS
Further sizes, pressure rates and sealings on request

Rubber-steel flange gasket type RSG for steel and cast iron flanges DN400 - DN2000



Rubber EPDM-KTW**



Rubber Nitrile*



Rubber FKM

DN	Dimensions in mm EN 1514-1 ISO 7483	Pressure Rate PN					Art.-No.	Art.-No.	Art.-No.
		6	10	16	25	40			
400	407 x 473 x 7	x					13639	13539	13739
	407 x 489 x 7		x				13640	13540	13740
	407 x 495 x 7			x			13641	13541	13741
	407 x 514 x 7				x		13642	13542	13742
	407 x 546 x 7					x	13643	13543	13743
450	458 x 539 x 7		x				13645	13545	13745
500	508 x 578 x 7	x					13649	13549	13749
	508 x 594 x 7		x				13650	13550	13750
	508 x 617 x 7			x			13651	13551	13751
	508 x 624 x 7				x		13652	13552	13752
	508 x 628 x 7					x	13680	13580	13780
600	610 x 679 x 7	x					13653	13553	13753
	610 x 695 x 7		x				13654	13554	13754
	610 x 734 x 7			x			13655	13555	13755
	610 x 731 x 7				x		13656	13556	13756
	610 x 747 x 7					x	13681	13581	13781
700	712 x 784 x 8	x					13657	13557	13757
	712 x 810 x 8		x				13658	13558	13758
	712 x 804 x 8			x			13659	13559	13759
	712 x 833 x 8				x		13660	13560	13760
800	813 x 890 x 8	x					13661	13561	13761
	813 x 917 x 8		x				13662	13562	13762
	813 x 911 x 8			x			13663	13563	13763
	813 x 942 x 8				x		13664	13564	13764
900	915 x 990 x 8	x					13665	13565	-
	915 x 1017 x 8		x				13666	13566	-
	915 x 1011 x 8			x			13667	13567	-
	915 x 1042 x 8				x		13668	13568	-
1000	1016 x 1090 x 8	x					13669	13569	-
	1016 x 1124 x 8		x				13670	13570	-
	1016 x 1128 x 8			x			13671	13571	-
	1020 x 1154 x 8				x		13672	13572	-
1100	1120 x 1231 x 8		x				13685	13585	-
1200	1220 x 1307 x 8	x					13673	13573	-
	1220 x 1341 x 8		x	x			13674	13574	-
	1220 x 1364 x 8				x		13675	13575	-
1400	1420 x 1548 x 8		x				13676	13576	-
1600***	1620 x 1772 x 8		x				13677	-	-
1800***	1820 x 1972 x 8		x				13678	-	-
2000***	2020 x 2182 x 8		x				13679	-	-

* Nitrile Gas approval DVGW

** according to DVGW W270, Elastomer Guideline of the UBA/KTW
DVGW-Confirmation of conformity hygiene, WRAS and ACS

*** Attention! RSG ≥ DN 1600 delivery ex works only - bulky freight

Delivery Rubber Steel Gaskets Type RSG from incl.

DN 1200: ex works

Further sizes, pressure rates and sealings on request

Rubber flange gasket type RSG-TW-K, RSG-G-K, RSG-FKM-K for plastic flanges OD10 - OD650



Rubber-steel flange seals type RSG-TW-K are suitable for PE / PP / PVC / PVDF pressure pipelines (SDR), flanges connections with plastic pre-welded collars, loose flanges and flange similar to DIN 16962-4 (PP) / DIN 16963-4 (PE) / DIN EN 1092-1 (DIN 2501 PN 10/16)



Rubber EPDM-KTW**



Rubber Nitrile*



Rubber FKM

OD Pipe in mm	SDR	Similar to DIN EN 1092-1 DIN 2501	Similar to DIN 16962 Teil 4 DIN 16963 Teil 4	Dimensions in mm	Art.-No.	Art.-No.	Art.-No.
10		x		16 x 46 x 4	27648	27548	27448
20		x		20 x 51 x 4	27600	27500	27400
25	11	x	x	22 x 61 x 4	27601	27501	27401
32	11	x	x	28 x 71 x 4	27602	27502	27402
40	11		x	34 x 82 x 4	27603	27503	27403
		x		40 x 82 x 4	27604	27504	27404
50	17	x	x	46 x 92 x 4	27605	27505	27405
	11	x	x	42 x 92 x 4	27606	27506	27406
63	17	x	x	58 x 107 x 5	27607	27507	27407
	11	x	x	53 x 107 x 5	27608	27508	27408
75	17	x	x	69 x 127 x 5	27609	27509	27409
	11	x	x	63 x 127 x 5	27610	27510	27410
90	17	x	x	84 x 142 x 5	27611	27511	27411
	11	x	x	76 x 142 x 5	27612	27512	27412
110	33	x	x	104 x 162 x 6	27613	27513	27413
	17	x	x	100 x 162 x 6	27614	27514	27414
	11	x	x	93 x 162 x 6	27615	27515	27415
125	33	x	x	123 x 162 x 6	27616	27516	27416
	17	x	x	114 x 162 x 6	27617	27517	27417
	11	x	x	105 x 162 x 6	27618	27518	27418
140	33	x	x	137 x 192 x 5	27619	27519	27419
	17	x	x	127 x 192 x 6	27620	27520	27420
	11	x	x	117 x 192 x 6	27621	27521	27421
160	17	x	x	146 x 218 x 8	27622	27522	27422
	11		x	135 x 218 x 8	27623	27523	27423
		x			160 x 218 x 8	27624	27524
180	17		x	164 x 218 x 8	27625	27525	27425
	11		x	151 x 218 x 8	27626	27526	27426
200	17	x	x	181 x 273 x 8	27627	27527	27427
	11		x	168 x 273 x 8	27628	27528	27428
225	17	x	x	203 x 273 x 8	27629	27529	27429
	11		x	188 x 273 x 8	27630	27530	27430
250	17		x	226 x 328 x 8	27631	27531	27431
	11		x	208 x 328 x 8	27632	27532	27432
280	17	x	x	252 x 328 x 8	27633	27533	27433
	11		x	233 x 328 x 8	27634	27534	27434
315	33	x	x	306 x 378 x 8	27635	27535	27435
	17		x	283 x 378 x 8	27636	27536	27436
	11		x	262 x 378 x 8	27637	27537	27437
355	17		x	319 x 438 x 8	27638	27538	27438
	11		x	294 x 438 x 8	27639	27539	27439
400		x		400 x 489 x 8	27640	27540	27440
	17		x	359 x 489 x 8	27641	27541	27441
	11		x	331 x 489 x 8	27642	27542	27442
450	17	x	x	403 x 594 x 10	27643	27543	27443
	11		x	372 x 594 x 10	27644	27544	27444
500	17	x	x	447 x 594 x 10	27645	27545	27445
560	17	x	x	494 x 695 x 10	27646	27546	27446
630	17	x	x	555 x 695 x 10	27647	27547	27447

*Also available in Nitrile to EN682 **according to DVGW W270, Elastomer Guideline of UBA/KTW DVGW-Confirmation of conformity hygiene, WRAS, ACS

Rubber flange gasket type RSG for ANSI flange 1/2" - 24"



Rubber flange gasket
type RSG for ANSI flange
flat design



Rubber EPDM-KTW**



Rubber Nitrile*

Inch	Class LBS	ID mm	OD mm	Thickness	Art.-No.	Art.-No.
1/2"	150	18,0	45,5	3	29400	29300
3/4"	150	27,5	53,5	3	29401	29301
1"	150	34,0	63,5	3	29402	29302
1"	300	34,0	70,5	3	29403	29303
1 1/4"	150	42,5	74,0	3	29404	29304
1 1/2"	150	48,5	84,0	3	29405	29305
2"	150	60,0	102,0	4	29406	29306
2"	300	60,5	107,5	4	29407	29307
2 1/2"	150	73,0	121,0	4	29408	29308
3"	150	89,0	133,0	4	29409	29309
3 1/2"	150	102,0	159,0	4	29410	29310
4"	150	115,0	172,0	4	29411	29311
5"	150	141,0	193,0	5	29412	29312
6"	150	168,5	219,0	5	29413	29313
8"	150	219,0	277,0	6	29414	29314
10"	150	273,0	337,0	6	29415	29315
12"	150	324,0	407,0	6	29416	29316
14"	150	356,0	448,0	7	29417	29317
16"	150	406,5	513,0	7	29418	29318
18"	150	457,0	547,0	7	29419	29319
20"	150	508,0	604,0	7	29420	29320
22"	150	560,0	658,0	7	29421	29321
24"	150	610,0	715,0	7	29422	29322

*Also available in Nitrile to EN682

**according to DVGW W270, Elastomer Guideline of UBA/KTW DVGW-Confirmation of conformity hygiene, WRAS, ACS FKM on request

Flange Gaskets - Type RSG-TW-V 4 pipes



Product Information

RSG-TW-V rubber steel flange gasket is a two-piece construction, made from elastomeric material vulcanized over steel rings.

With its twist and plug mechanism, the RSG-TW-V can be adjusted to the angle of the sealing surface.

Elastomeric elements provide secure sealing against fluids on flange connections with **non-parallel flange surfaces**. The two-piece construction of conical elements not only forms the seal, but also compensates for angular misalignment by allowing **adjustment up to 8°**.

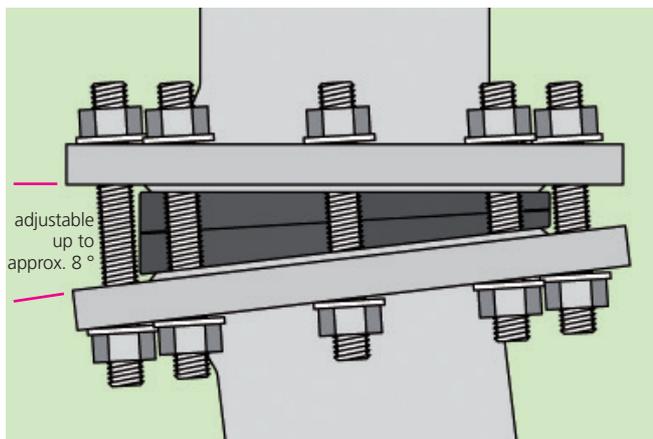
Steel rings, vulcanized into the elastomeric elements, ensure mechanical stability and long term functionality.

Material qualities and technical data

RSG-TW-V for water, various other fluids, industrial applications and waste water:

	EPDM
Operating temperature:	-25° C up to +120° C
Hardness:	70 ±5 Shore A
Approvals:	DVGW W270, Elastomer guideline of UBA/KTW, WRAS and ACS, DVGW certificate of conformity hygiene
Specifications:	DIN-EN 681-1, Type WAWC/70

Other material qualities and certificates are available on request.



Application

RSG-TW-V flange gaskets are intended for:

- flange connections with sealing surfaces not parallel to each other
- hydrants with misaligned connection tee / duckfoot bend
- for flange gaskets (adaptation to existing flanges)

Elastomer EPDM provides excellent resistance to several substances, including different chemicals, industrial water, aqueous salt solutions and is **DVGW approved for drinking water application**. Very good ozone and UV resistance!

Chemical resistance table available: www.4pipes.de

Unique advantages

- Easy and cost effective installation due to adjustment of sealing surfaces
- excellent resistance to substances in pipes
- vulcanized steel rings provide long term stability
- high tightening value at low bolt forces
- no retightening of bolts
- excellent operational reliability
- no leakage
- cost effective because follow-up costs are avoided

Dimensions and pressure rates

RSG-TW-V flange gaskets are manufactured according to DIN-EN 1514-1 (comparable to old DIN 2690), form IBC, self-centering in flanges according to DIN-EN 1092-1, DIN-EN 1092-2.

Please find available dimensions and pressure rates in our price list or contact us.

The 4 pipes warranty only applies to faulty material. Checking the suitability of the product for the individual application is solely the responsibility of the user. 4 pipes does not grant any warranty for preinstalled or reused flange gaskets.

Rubber-steel flange gasket type RSG-TW-V 4 pipes



Adjustable rubber steel gasket type RSG-TW-V



Description	Nominal size	Pressure rate	Dimensions	Thickness		Bolts		Art.-No.
	DN	PN		min.	max.	Length mm	Größe*	
 <p>Rubber Flange Gasket Type RSG-TW-V adjustable up to 8° Material: EPDM</p>	50	10 - 40	61x107	9	24	100	M 14	13802
	65	10 - 40	77x127	9	26	100	M 14	13803
	80	10 - 40	89x142	14	30	100	M 14	13804
	100	10 - 16	115x162	14	33	100	M 14	13805
	100	25 - 40	115x168	14	33	110	M 18	13806
	125	10 - 16	141x192	14	33	110	M 14	13807
	150	10 - 16	169x218	14	39	110	M 18	13808
	150	25 - 40	169x224	14	39	130	M 18	13809
	200	10 - 16	220x273	15	50	120	M 18	13810
	200	40	220x290	15	50	160	M 24	13811
	250	10 - 16	273x328	16	59	140	M 18	13812
	300	10	324x378	22	68	150	M 18	13814
	350	10	356x438	22	68	150	M 18	13815
	400	10	407x489	22	74	160	M 22	13816
	500	10	508x594	23	79	180	M 22	13817

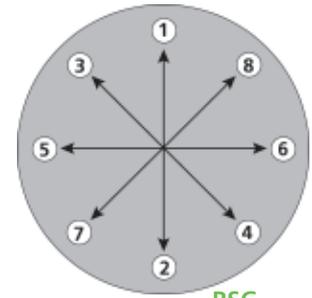
Dimensions of 4 pipes Rubber Steel Gaskets Type RSG-TW-V according to DIN EN 1514-1, in mm

* We recommend using a smaller screw dimension

Flange Gasket - Type RSG and RSG-TW-V 4 pipes

Installation RSG

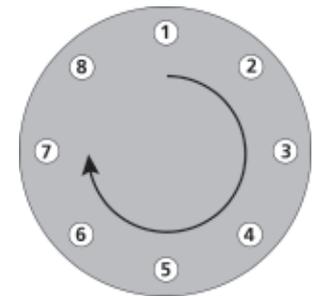
- the sealing line of flange surfaces needs to be clean, free of grooves and edges
 - insert the gasket carefully between the flanges
 - lubricate bolts
 - insert bolts into bolt holes
 - tighten bolts evenly (in three steps 30% + 40% + 30%) with a torque wrench according to the tightening torque table specification below
 - tighten bolts in a diagonally opposite sequence as shown in the picture on the right
- For any other installation or operation situation please contact our customer service.



RSG

Installation RSG-TW-V

- sealing lines of flanges must be **clean and free of grooves and edges**
 - extra long bolts with smaller diameter might be necessary
 - adjust angle of RSG-V according to misalignment of flanges by plugging and twisting sealing elements into each other
 - IBC form ensures self-centering of gasket
 - insert the gasket carefully between the flanges
 - lubricate bolts
 - insert bolts into bolt holes
 - tighten bolts evenly (in three steps 30% / 40% / 30%) **in a clockwise direction (see picture to the right)** with a **torque wrench** according to table below
- For any other installation or operation situation please contact our customer service.

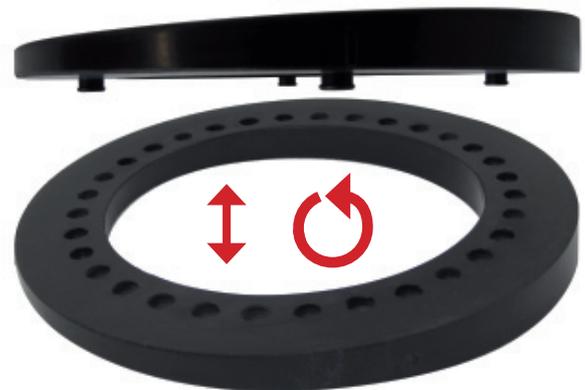


RSG-TW-V

Important advice

Gaskets should only be installed once. Don't apply any additional sealant, lubricant or glue on the installed gasket. Never install more gaskets on top of the first one. Please adhere to the installation instructions/regulations and requirements for qualified fitters, in accordance with DIN-EN 1591.

Torques values for flange gaskets type RSG and RSG-TW-V					
Values for steel flanges in Newtonmeter (Nm)					
DN	PN 6	PN 10	PN 16	PN 25	PN 40
15	15	30	20	25	25
20	25	30	40	25	40
25	25	30	40	25	40
32	40	100	100	100	100
40	40	100	100	100	100
50	70	100	100	100	100
65	70	100	100	100	100
80	100	100	100	100	100
100	100	100	100	200	200
125	100	100	100	310	310
150	100	200	200	310	310
200	100	200	200	310	450
250	100	200	310	450	720
300	200	200	310	450	720
350	200	200	310	720	980
400	200	290	450	820	1200
450	-	290	-	-	-
500	200	290	550	820	-
600	300	420	750	1200	-
700	300	420	750	1300	-
800	350	610	960	1850	-
900	400	610	960	1850	-
1000	400	800	1300	2600	-
1200	550	1100	1200	-	-
1400	-	1400			
1600	-	1930			
1800	-	1930			
2000	-	1930			



RSG-TW-V (twist and plug mechanism)

The RSG gasket was tested and calculated by the laboratory company amtec Messtechnischer Service GmbH.

Calculated for flanges on the basis of EN 1591-1, considering the specific gasket values acc. to DIN EN 13555 and VDI 2200.

Values based on friction $\mu = 0.14$ (bolts lubricated). Bolts quality 5.6 or higher. Flange quality: 1.0460 (C22.8)

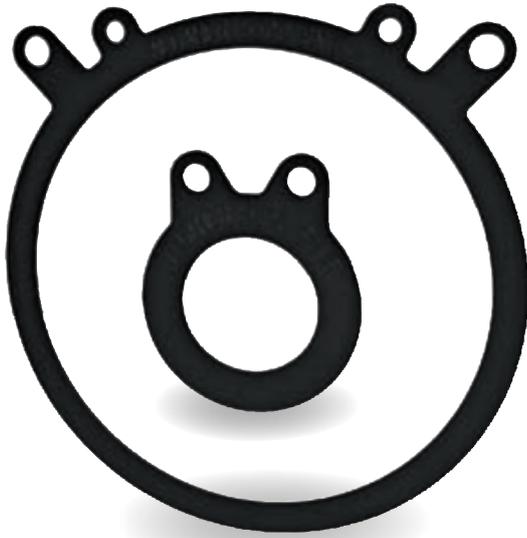
For PE flanges please note:

The torque value must be adjusted to the grade of the PE flange. All informations on tightening torques can be obtained from the flange manufacturer.

Also note DVS2210-1 B3.

Checking the suitability of the product for the individual application is solely the responsibility of the user. 4 pipes does not grant any warranty for preinstalled or reused flange gaskets.

Flange Gaskets - Type RFG 4 pipes



Product information

Rubber Flexible Gasket RFG 4 pipes made of elastomer material with fixing eyelets to be fitted in pipeline flanges. Mould-vulcanised elastomer ring with eyelets for easy positioning and fixing on the bolts of pipeline flange connections.

Material qualities, technical data

RFG for water and sewage water: EPDM

Operating temperature: -25°C to +120°C
 Hardness: 70 ±5 Shore A acc. ISO 48
 Standard: DIN-EN 681-1 Type WC/70

Application

RFG rubber flange gaskets are intended for:

- water pipeline systems
- sewage water pipeline systems
- all iron, stainless steel, cast iron and plastic flange connections as well as coated flanges.

The elastomer provides excellent resistance to many substances in pipes. **EPDM** is highly resistant to a variety of different salts, acids, alkalis and aqueous solutions.

Very high resistance to UV and ozone!

Substance resistance table available: www.4pipes.de

Advantages

- low-cost gasket
- easy installation using fixing eyelets
- low-torque installation

Dimensions and pressure ratings

RFG flange gaskets are suitable for steel flanges, stainless steel, cast iron (with or without coating) and plastic, with the option of pre-fixing to flange bolts.

Please refer to the available dimensions in our price list and the table on the left.

RFG flange gaskets are suitable for PN6, PN10 and PN16 pressure ratings.

The 4 pipes warranty only applies to faulty material. Checking the suitability of the product for the individual application is solely the responsibility of the user. 4 pipes does not grant any warranty for preinstalled or reused flange gaskets.

DN Pipe	suitable for PN	RFG ID mm	RFG OD mm	thickness mm
32	6/10/16	40	71,5	3
40	6/10/16	50	83	3
50	6/10/16	60	97	3
65	6/10/16	75	121	3
80	6/10/16	80	130	3
100	6/10/16	100	154	3
125	6/10/16	125	183	3
150	6/10/16	150	209	3
175	6/10/16	175	223	4
200	6/10/16	200	263	4
250	6/10/16	250	313	4
300	6/10/16	300	364	4
350	6/10/16	350	425	4
400	6/10/16	400	476	4
450	6/10/16	450	545	4
500	6/10/16	500	576	5
600	6/10/16	600	676	5
700	6/10/16	700	790	6
800	6/10/16	800	890	6
900	6/10/16	900	990	6

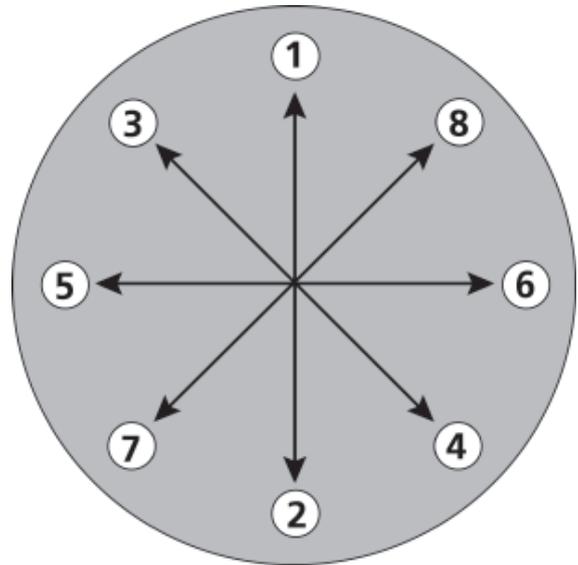
Flange Gaskets Type RFG 4 pipes

Installation instructions

- the sealing line of the flange surface needs to be clean, free of grooves and free of edges
- the flange surfaces need to be aligned
- insert 2 bolts in bolt holes for eyelets
- insert the gasket carefully between the flanges and fix the eyelets on the bolts
- lubricate bolts
- insert the remaining bolts in the holes
- tighten bolt evenly (in three steps 30%-40%-30%) with a torque wrench according to the tightening torque table spec. below
- tighten bolt in a diagonally opposite sequence as shown in the picture on the right

Important to know

- only install gaskets once!
- don't install more gaskets on top of the first one!
- only use quality gaskets!
- don't apply any lubricant, sealant or glue to the installed gasket!
- please adhere to the installation instructions/regulations and requirements for qualified fitters, in accordance with DIN-EN 1591!



Torques values for flange gaskets type RFG Values in Newtonmeter (Nm)

DN	RFG
15	15 Nm
20	20 Nm
25	25 Nm
32	40 Nm
40	50 Nm
50	60 Nm
65	50 Nm
80	60 Nm
100	65 Nm
125	70 Nm
150	100 Nm
200	140 Nm
250	120 Nm
300	140 Nm
350	190 Nm
400	280 Nm
500	280 Nm
600	360 Nm
700	400 Nm
800	550 Nm
900	650 Nm

Values based on friction $\mu = 0.14$ (bolt lubricated).
Bolt quality 5.6 or higher.

For PE flanges please note:

The torque value must be adjusted to the grade of the PE flange. All informations on tightening torques can be obtained from the flange manufacturer. Also note DVS2210-1B3.

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