

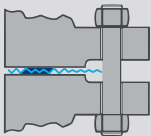
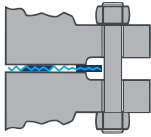
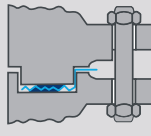
## Embossed flat profile gasket

# revoseal Revolution

The Revolution gasket is an embossed flat profile gasket consisting of a flexible stainless steel carrier and encapsulated graphite or PTFE on both sides. By the revolutionary construction and flexibility of the embossed cog height double metallic sealing as well as encapsulation of the graphite or PTFE is guaranteed. Owing to its wide application range, Revolution is the alternative to all conventional flat gasket types.

### Highlights

- › Temperature: -200°C to + 500°C
- › Pressure range: from vacuum to 64 bar (400 lbs)
- › Over-achieves TA-Luft and **VDI 2290** in connection with a leakage check according to **EN 1591-1** (also at using screws of minor quality)
- › Standard material 1.4571 (optional: 1.4404)
- › Available for DIN and ANSI – flanges to DN 400 / 16"
- › Available with graphite or PTFE coating
- › Total thickness 1.6 mm (+/- 0.1 mm)
- › Fire Safe Certificate according to **API 607** (also for PTFE) and blow-out resistance according to **VDI 2200**

Type	Cross section	Designation
Revolution		The Revolution gasket is an embossed flat profile gasket consisting of a flexible stainless steel carrier and encapsulated graphite or PTFE on both sides.
Revolution Top		The Revolution Top has the same properties as the Revolution. It is, however, additionally provided with a secondary sealing of graphite with low density or PTFE. The secondary seal prevents from flange corrosion as often seen with carbon steel flanges.
Revolution tongue & groove		The Revolution tongue & groove has the same properties as the Revolution. Additionally, this type is equipped with a stainless steel mounting flap for smarter installation and removal.

## Dimensions Revolution DIN

For flanges according to DIN 2632-2636 series 1 and DIN EN 1092-1

[DN]	d1	d2					
		PN 10-64	PN 10	PN 16	PN 25	PN 40	PN 64
10	22	36	46	46	46	46	56
15	22	39,5	50	50	50	50	61
20	28	46,0	61	61	61	61	-
25	35	53,5	71	71	71	71	82
32	43	62,0	82	82	82	82	-
40	50	69,0	92	92	92	92	103
50	61	80,0	107	107	107	107	113
65	77	97,5	127	127	127	127	137
80	92	115,0	142	142	142	142	148
100	115	139,0	162	162	168	168	174
125	142	169,0	192	192	194	194	210
150	168	194,0	218	218	224	224	247
200	224	251,0	272	272	284	290	309
250	270	298,0	327	328	340	352	364
300	320	348,0	377	383	400	417	424
350	375	405,0	437	443	457	474	486
400	426	459,0	489	495	514	545	543

*DIN / Inch = nominal width • The graphite dimensions for a flange calculation are available on our website - [revoseal.com](http://revoseal.com)*

*Total thickness is 1.6 +/- 0.1 mm*

*Design and calculation according to revoseal factory standard*

## Dimensions Revolution ANSI

For flanges according ANSI B 16.5

[inch]	d1	d2	d3		
			150 lbs	300 lbs	400 lbs
1/2	16	33,5	44,4	50,8	50,8
3/4	22	39,5	54,0	63,5	63,5
1	28	46,0	63,5	68,0	68,0
1 1/4	35	53,5	73,2	79,5	79,5
1 1/2	50	69,0	82,9	92,0	92,0
2	61	80,0	101,6	107,0	107,0
2 1/2	77	97,5	120,6	127,0	127,0
3	92	115,0	133,3	145,7	145,7
3 1/2	92	115,0	158,7	162,0	158,8
4	124	148,0	171,4	177,8	174,8
5	151	178,0	193,5	212,6	209,6
6	178	205,0	218,9	247,3	244,3
8	224	251,0	276,1	304,8	301,8
10	270	298,0	336,6	359,0	355,6
12	320	348,0	406,4	419,1	415,8
14	375	405,0	447,9	482,6	479,3
16	426	459,0	511,4	536,4	533,4

*DIN / Inch = nominal width • The graphite dimensions for a flange calculation are available on our website - [revoseal.com](http://revoseal.com)*

*Total thickness is 1.6 +/- 0.1 mm*

*Design and calculation according to revoseal factory standard*

## Dimensions Revolution tongue & groove

For flanges according DIN 2512 and EN1514-1 TG

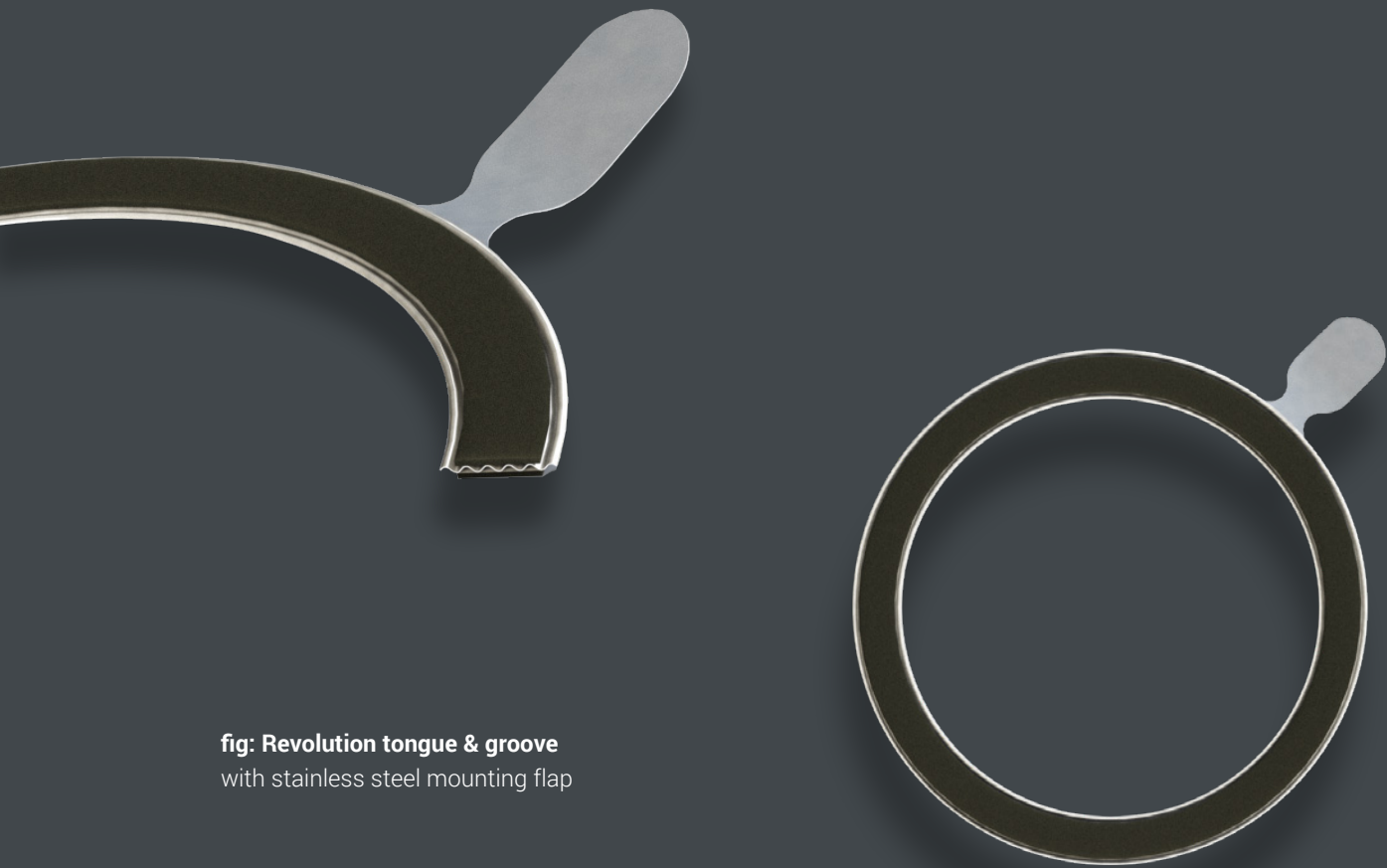
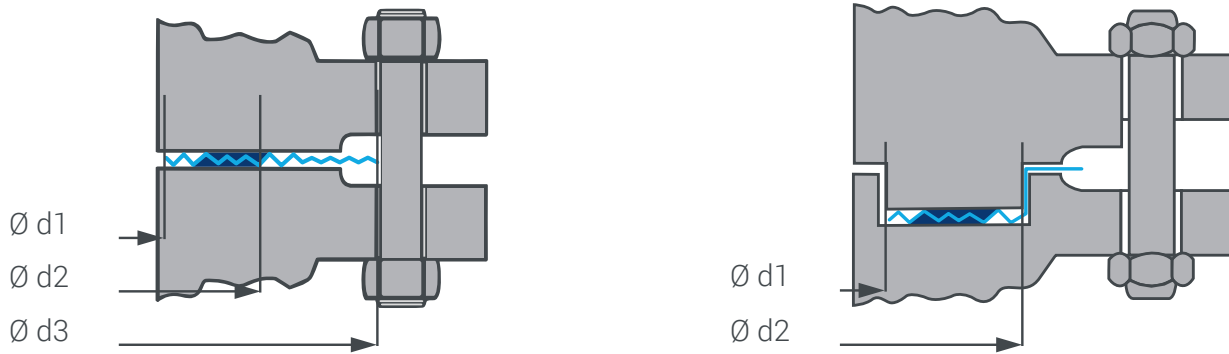
[DN]	d1	d2
10	24	34
15	29	39
20	36	50
25	43	57
32	51	65
40	61	75
50	73	87
65	95	109
80	106	120
100	129	149
125	155	175
150	183	203
200	239	259
250	292	312
300	343	363
350	395	421
400	447	473

*DN / Inch = nominal width • d1 = inner diameter • d2 = outer diameter • The graphite dimensions for a flange calculation are available on our website - [revoseal.com](http://revoseal.com)*

*Total thickness is 1.6 +/- 0.1 mm*

*Design and calculation according to revoseal factory standard*

# Revolution



**fig: Revolution tongue & groove**  
with stainless steel mounting flap