

## 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
- › 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**

revoseal Europe GmbH  
Industriestr. 1  
50259 Pulheim | Germany

T: +49 (0) 2238 47 999-0  
F: +49 (0) 2238 47 999-20  
info@revoseal.com

Exclusive Distributor for INDIA  
**JEYSONS INDUSTRIES**  
L11 to L14, Chaudhary Ind.,  
Vakan Pada, Nalasopara East,  
Tal. Vasai, Dist. Thane 401209  
Mob: +91-9819119925  
Email: revoseal@jeysons.com

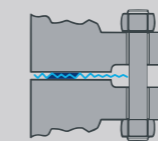


#### Type

#### Cross section

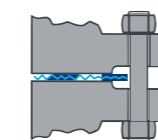
#### Designation

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.

### Dimensions Revolution DIN

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

[DN]	d1		d2		d3		PN 10		PN 16		PN 25		PN 40		PN 64	
			PN 10-64		PN 10			PN 16		PN 25		PN 40		PN 64		
10	22		36		46		46		46		46		46		56	
15	22		39,5		50		50		50		50		50		61	
20	28		46,0		61		61		61		61		61		-	
25	35		53,5		71		71		71		71		71		82	
32	43		62,0		82		82		82		82		82		-	
40	50		69,0		92		92		92		92		92		103	
50	61		80,0		107		107		107		107		107		113	
65	77		97,5		127		127		127		127		127		137	
80	92		115,0		142		142		142		142		142		148	
100	115		139,0		162		162		162		168		168		174	
125	142		169,0		192		192		192		194		194		210	
150	168		194,0		218		218		218		224		224		247	
200	224		251,0		272		272		272		284		290		309	
250	270		298,0		327		328		328		340		352		364	
300	320		348,0		377		383		383		400		417		424	
350	375		405,0		437		443		443		457		474		486	
400	426		459,0		489		495		495		514		545		543	

DIN / Inch = nominal width • d1 = inside diameter • d2 = outside diameter of the graphite layer • d3 = outside diameter of the gasket

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

DIN / Inch = nominal width • d1 = inside diameter • d2 = outside diameter of the graphite layer • d3 = outside diameter of the gasket

Total thickness is 1.6 +/- 0.1 mm

Design and calculation according to revoseal factory standard

