



WELDING RINGS

The Weld Ring Gasket is a sealing system designed for critical applications

Characteristics

The reasons to use of Weld Ring Gaskets are:

- Applications with hazardous fluids
- Combination of difficult working conditions (extreme temperatures, large vibration, flange movements, etc.

Gasket Profiles and limiting values

Gasket materials are generally the same or similar to the pipe or flange material, in order to avoid welding problems, corrosion and differential thermal expansion. Weld-ring gaskets can only be used in pairs. Depending on requirements a Welding Ring Gasket profile can be selected from the table below:

Profile	Cross-section	Ring Type	K_0	K_1	R_z^*
			[N/mm]	[mm]	(μm)
A21		Steel	0	0	From 25 to 50
A22					
A23					
A24					
A22K		Steel	See grooved gaskets		
A23K					
A24K					
A22N		Steel	See spiral wound gasket		
A23N		Steel	See spiral wound gasket		
A24N					



OTHER
SEALING SOLUTIONS

TECHNICAL DATA

Accordint to DIN 2695

For DIN/EN Flanges
Profile A21

DN	d ₁	d ₂					d ₃
		63	100	160	250-300	400	
80	90	143	149	149	153	153	123
100	115	169	176	176	179	179	149
125	142	206	213	213	216	216	186
150	165	243	248	248	248	248	218
200	214	305	315	315	315	315	285
250	264	360	370	370	370	-	340
300	310	420	430	430	-	-	400
350	340	482	490	-	-	-	460
400	386	539	-	-	-	-	519

According to DIN 2695

For Flanges from 150 to 2500 Lbs
Profile A21

DN	d ₁	d ₂						d ₃		
		150	300	600	900	1500	2500	150	300	600
3	92	130	142	142	157	157	157	116	122	122
4	118	167	172	180	187	187	187	146	150	157
5	144	190	208	216	216	216	216	172	180	186
6	170	215	243	246	246	246	246	196	216	216
8	220	272	300	300	300	300	300	252	270	270
10	273	332	354	354	354	354	354	308	324	324
12	322	400	411	411	411	411	411	370	381	381
14	360	440	443	443	443	443	-	413	413	413
16	412	500	500	500	500	500	-	470	470	470