



d	D	RJ1 - RJ4			RJ2 - RJ5			RJ3 - RJ6		DE3 - DE4 - DE5		UK* - NL	
		L	L2	L3	L2	L3	D1	L1	D2	L4			
8	16	15	-	-	-	-	17.1	5.5	-	-	-	-	
10	20	15	15	25.5	18.1	5.5	21	7	-	-	-	-	
12	22	18	18	25.5	20.6	5.5	23	7	-	-	-	-	
14	24	22	22	28.0	23.1	6.0	25	7	-	-	-	-	
15	24	22	-	-	26.9	7.0	-	-	-	-	-	-	
16	26	23	23	28.0	26.9	7.0	27	7	-	-	-	-	
17	26	23	-	-	26.9	7.0	-	-	-	-	-	-	
18	32	24	24	27.5	30.9	8.0	33	10	-	-	-	-	
19	32	25	-	-	30.9	8.0	-	-	-	-	-	-	
20	34	25	25	27.5	30.9	8.0	35	10	-	-	-	-	
22	36	25	25	27.5	35.4	8.0	37	10	-	-	-	-	
24	38	27	27	30.0	35.4	8.0	39	10	-	-	-	-	
25	39	27	27	30.0	38.2	8.5	40	10	-	-	-	-	
26	39	27	-	-	38.2	8.5	-	-	-	-	-	-	
28	42	29	29	32.5	43.3	9.0	43	10	-	-	-	-	
30	44	30	30	32.5	43.3	9.0	45	10	-	-	-	-	
32	46	30	30	32.5	43.3	9.0	48	10	-	-	-	-	
33	47	39	39	32.5	53.5	11.5	48	10	-	-	-	-	
35	49	39	39	32.5	53.5	11.5	50	10	-	-	-	-	
38	54	39	42	32.0	60.5	11.5	56	13	-	-	-	-	
40	56	39	42	32.0	60.5	11.5	58	13	-	-	-	-	
42	57	39	-	-	60.5	11.5	-	-	-	-	-	-	
43	57	39	47	32.0	60.5	11.5	61	13	-	-	-	-	
45	61	41	47	32.0	65.5	11.5	63	13	-	-	-	-	
48	64	41	47	32.0	65.5	11.5	66	13	-	-	-	-	
50	66	45	46	33.5	72.5	11.5	70	14	-	-	-	-	
53	69	45	56	33.5	72.5	11.5	73	14	-	-	-	-	
55	71	47	56	33.5	72.5	11.5	75	14	-	-	-	-	
58	76	47	56	38.5	-	11.5	78	14	-	-	-	-	
60	80	49	56	38.5	79.3	11.5	80	14	-	-	-	-	
63	81	49	56	38.5	-	11.5	83	14	-	-	-	-	
65	85	51	66	38.5	84.5	11.5	85	14	-	-	-	-	
68	87	51	64	36.5	-	11.5	90	16	-	-	-	-	
70	90	51	64	44.0	89.5	11.5	92	16	-	-	-	-	
75	99	57	64	44.0	94.5	11.5	97	16	-	-	-	-	
80	104	59	72	44.0	99.5	11.5	105	18	-	-	-	-	
85	109	59	72	44.0	105.5	13.5	110	18	-	-	-	-	
90	114	62	72	47.0	111.5	13.5	115	18	-	-	-	-	
95	119	62	72	47.0	116.5	13.5	120	18	-	-	-	-	
100	124	75	72	47.0	119.5	13.5	125	18	-	-	-	-	

**Technical features**

- Single seal
- Unbalanced
- Uni-directional

**Operating limits**

P = 145 PSI  
T = -95 to 320°F  
V = 65 ft/s

Description	Materials
Primary rings	silicon carbide, tungsten carbide, stainless
Mating rings	silicon carbide, carbon graphite, tungsten carbide
Secondary seals	NBR, EPDM, Viton
Metal parts	Stainless 304 / Stainless 316*

\* upon request

**Available products:**

- Rio 1 (RJ1)
- Rio 2 (RJ2)
- Rio 3 (RJ3)
- Rio 4 (RJ4) - with face shrink fitted
- Rio 5 (RJ5) - with face shrink fitted
- Rio 6 (RJ6) - with face shrink fitted

**Mating rings**

- UK1\* (monolithic short seat, wide face, to DIN24960)
- UK2\* (monolithic long seat, wide face, anti-rotation pin slot, to DIN24960)
- DE3 (monolithic short seat)
- DE4 (monolithic short seat, wide face)
- DE5 (short seat, face shrink fitted)
- DE2 (monolithic long seat, anti-rotation pin slot)
- DE1 (face shrink fitted, anti-rotation pin slot)
- NL2 (monolithic short seat, to DIN24960)
- NL1 (monolithic long seat, anti-rotation pin slot, to DIN24960)
- NL4 (short seat, face shrink fitted, anti-rotation pin slot, to DIN24960)
- NL3 (face shrink fitted, anti-rotation pin slot, to DIN24960)

For more details on mating rings see page 29