



d	SA1		DE3	
	D	L	D1	L1
10	20	15	18.1	5.5
11	22	18	20.6	5.5
12	22	18	20.6	5.5
13	25	22	23.1	6.0
14	25	22	23.1	6.0
15	29	22	26.9	7.0
16	29	23	26.9	7.0
17	29	23	26.9	7.0
18	33	24	30.9	8.0
19	33	25	30.9	8.0
20	33	25	30.9	8.0
22	38	25	35.4	8.0
24	38	27	35.4	8.0
25	40	27	38.2	8.5
28	46	29	43.3	9.0
30	46	30	43.3	9.0
32	46	30	43.3	9.0
33	48	39	53.5	11.5
35	50	39	53.5	11.5
38	55	39	60.5	11.5
40	55	39	60.5	11.5

Technical features

- Single seal
- Unbalanced
- Conical spring
- Uni-directional

Operating limits

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

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

Mating rings

- DE3 (monolithic short seat)
- DE2 (monolithic long seat, anti-rotation pin slot)
- DE1 (face shrink fitted, anti-rotation pin slot)
- NL2 (monolithic short seat, anti-rotation pin slot, to DIN24960)
- NL1 (monolithic long seat, 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