



NINGBO HUAQIU INDUSTRY AND TRADE CO.,LTD

NingBo HuaQiang Mechanical Seal Factory



2024 HQ Catalogue-4

(Seat Series)

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DESCRIPTION

Standard Mechanical Seals.....	Catalogue-1
Cartridge, Metal Bellow Seals.....	Catalogue-2
O.E.M Seals(A.B.S., Alfa Laval, APV, Andritz, Compressor, Fristam, Flygt, Grundfos, Hilge, Lowara, K.S.B., Sulzer, Tsurumi Seals and so on).....	Catalogue-3
Seat Series.....	Catalogue-4
Mixer and Agitator, Kettle, Desulfurization, Slurry Seals, Nozzle, Rotary Joint.....	Catalogue-5



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Seat Seats

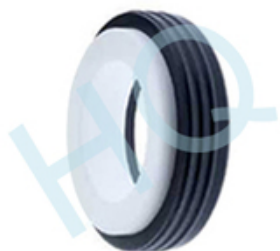
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Type: Cup mounted seats, according With
DIN24960 Standards

Replacement: Burgmann G50

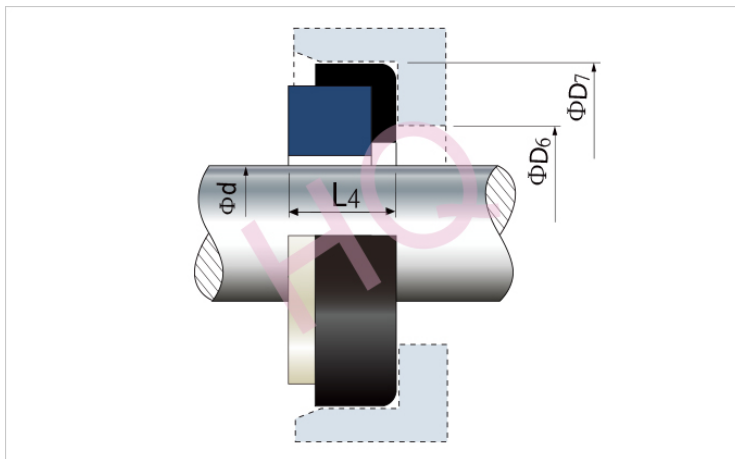
Material: V1,Q1,Q2,U1,U2



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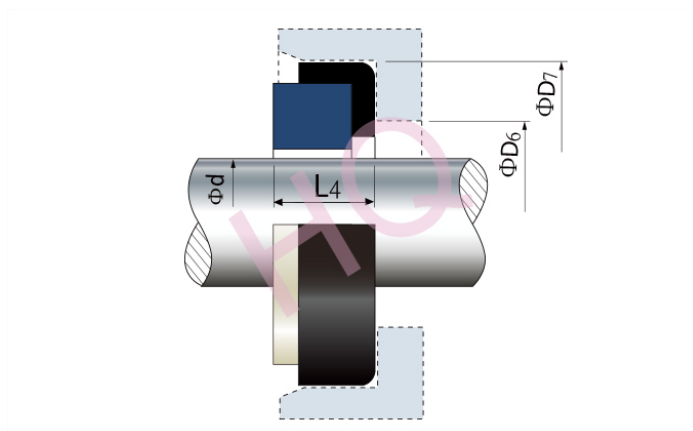


d (mm)	D6	D7	L4
10	17	24.60	9.0
12	19	27.80	9.0
14	21	30.95	10.5
16	23	30.95	10.5
18	27	34.15	10.5
20	29	35.70	10.5
22	31	37.30	10.5
24	33	40.50	10.5
25	34	40.50	10.5
28	37	47.65	12.0
30	39	50.80	12.0
32	42	50.80	12.0
33	42	54.00	12.0
35	44	54.00	12.0
38	49	57.15	12.0
40	51	63.50	12.0
43	54	63.50	12.0
45	56	63.50	12.0
48	59	66.70	12.0
50	62	69.85	13.5
53	65	73.05	13.5
55	67	76.20	13.5
58	70	79.40	13.5
60	72	79.40	13.5
63	75	82.50	13.5
65	77	92.10	16.0
68	81	95.25	16.0
70	83	95.25	16.0
75	88	101.60	16.0
80	95	114.30	20.0
85	100	117.50	20.0
90	105	123.85	20.0
95	110	127.00	20.0
100	115	133.35	20.0

Type: Cup mounted seats, according with
DIN24960 standards

Replacement: Burgmann G60

Material: V1,Q1,Q2,U1,U2



d (mm)	D6	D7	L4
10	17	21	6.6
12	19	23	6.6
14	21	25	6.6
16	23	27	6.6
18	27	33	7.5
20	29	35	7.5
22	31	37	7.5
24	33	39	7.5
25	34	40	7.5
28	37	43	7.5
30	39	45	7.5
32	42	48	7.5
33	42	48	7.5
35	44	50	7.5
38	49	56	9.0
40	51	58	9.0
43	54	61	9.0
45	56	63	9.0
48	59	66	9.0
50	62	70	9.5
53	65	73	11.0
55	67	75	11.0
58	70	78	11.0
60	72	80	11.0
63	75	83	11.0
65	77	85	11.0
68	81	90	11.3
70	83	92	11.3
75	88	97	11.3
80	95	105	12.0
85	100	110	14.0
90	105	115	14.0
95	110	120	14.0
100	115	125	14.0

Type: Cup mounted seats, according with DIN 24960 Standards

Replacement: Burgmann G55

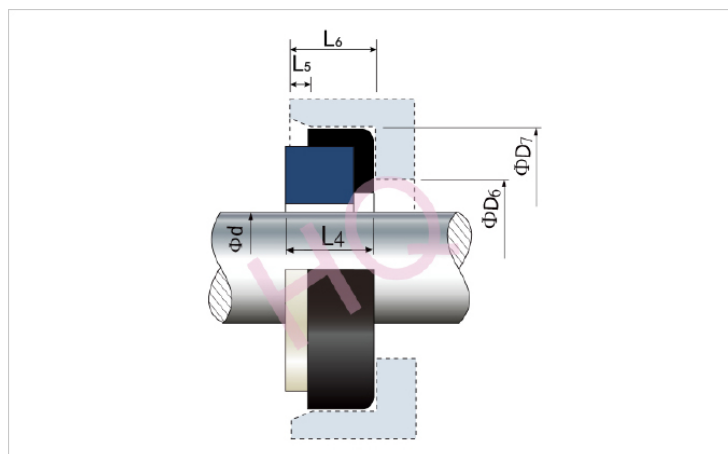
Material: V1,Q1,Q2,U1,U2



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d (inch)	D6	D7	L4	L5	L6
0.375	0.625	0.875	0.313	0.05	0.250
0.500	0.750	1.000	0.313	0.05	0.250
0.625	0.937	1.250	0.406	0.05	0.344
0.750	1.062	1.375	0.406	0.05	0.344
0.875	1.187	1.500	0.406	0.05	0.344
1.000	1.312	1.625	0.437	0.05	0.375
1.125	1.437	1.750	0.437	0.05	0.375
1.250	1.563	1.875	0.437	0.05	0.375
1.375	1.687	2.000	0.437	0.05	0.375
1.500	1.813	2.125	0.437	0.05	0.375
1.625	2.000	2.375	0.500	0.05	0.437
1.750	2.125	2.500	0.500	0.05	0.437
1.875	2.250	2.625	0.500	0.05	0.437
2.000	2.375	2.75	0.500	0.05	0.437
2.125	2.375	3.000	0.562	0.05	0.500
2.250	2.437	3.125	0.562	0.05	0.500
2.375	2.563	3.250	0.562	0.05	0.500
2.500	2.687	3.375	0.562	0.05	0.500
2.625	2.812	3.375	0.625	0.10	0.562
2.750	2.937	3.500	0.625	0.10	0.562
2.875	3.062	3.750	0.625	0.10	0.562
3.000	3.187	3.875	0.625	0.10	0.562
3.125	3.312	4.000	0.781	0.10	0.656
3.250	3.437	4.125	0.781	0.10	0.656
3.375	3.562	4.250	0.781	0.10	0.656
3.500	3.687	4.375	0.781	0.10	0.656
3.625	3.812	4.500	0.781	0.10	0.656
3.750	3.937	4.625	0.781	0.10	0.656
3.875	4.062	4.750	0.781	0.10	0.656
4.000	4.187	4.875	0.781	0.10	0.656

Type: cup mounted seats, according with
DIN24960 standard

Replacement: Crane 2100

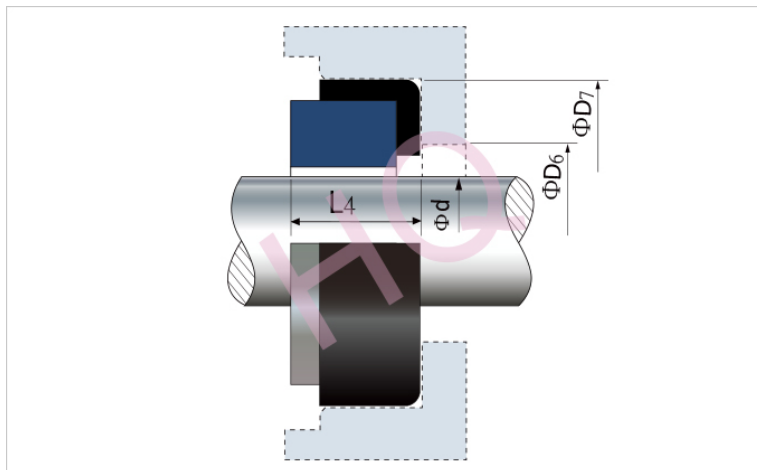
Material: V1,Q1,Q2,U1,U2



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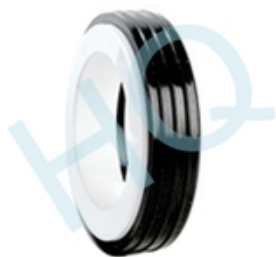


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d (mm)	D6	D7	L4
10	15	21	5.0
12	17	23	6.0
14	19	25	6.0
15	20	26	6.0
16	23	27	6.0
18	25	33	6.0
20	27	35	6.0
22	29	37	6.0
24	31	39	6.0
25	32	40	6.0
28	35	43	6.0
30	37	45	7.0
32	40	48	7.0
33	40	48	7.0
35	42	50	8.0
38	47	56	8.0
40	49	58	8.0
43	52	61	8.0
45	54	63	8.0
48	57	66	10.0
50	60	70	10.0
53	63	73	10.0
55	65	75	10.0
58	68	78	10.0
60	70	80	12.0
63	73	83	12.0
65	75	85	12.0
68	79	90	12.0
70	81	92	12.0
75	88	97	12.0
80	92	105	12.5
85	97	110	12.5
90	102	115	12.5
95	117	120	12.5
100	122	125	12.5

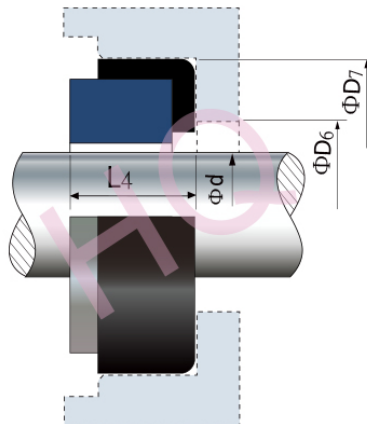
Type: Cup mounted seats, in inch dimensions
 Replacement: Vulcan 11
 Material: V1,Q1,Q2,U1,U2



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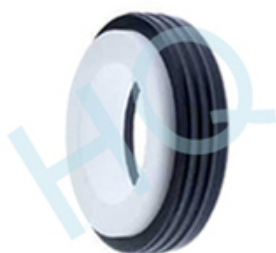


Size (inch)	d	D6	D7	L4
0.375	9.500	15.88	22.23	7.95
0.500	12.70	19.05	25.40	7.95
0.625	15.80	23.80	31.75	10.31
0.750	19.00	26.97	34.93	10.31
0.875	22.20	30.15	38.10	10.31
1.000	25.40	33.32	41.28	11.10
1.125	28.50	36.50	44.45	11.10
1.250	31.70	39.70	47.63	11.10
1.375	34.90	42.85	50.80	11.10
1.500	38.10	46.05	53.98	11.10
1.625	41.20	50.80	60.33	12.70
1.750	44.40	53.97	63.50	12.70
1.875	47.60	57.15	69.85	12.70
2.000	50.80	60.33	69.85	12.70
2.125	53.90	60.33	76.20	14.27
2.250	57.10	61.90	79.38	14.27
2.375	60.30	65.10	82.55	14.27
2.500	63.50	68.25	85.73	14.27
2.625	66.60	71.42	85.73	15.88
2.750	69.80	74.60	88.90	15.88
2.875	73.00	77.77	95.25	15.88
3.000	76.20	80.95	98.43	15.88
3.125	79.30	84.12	101.60	19.84
3.250	82.50	87.30	104.78	19.84
3.375	85.70	90.47	107.95	19.84
3.500	88.90	93.65	111.13	19.84
3.625	92.00	96.82	114.30	19.84
3.750	95.20	100.00	117.48	19.84
3.875	98.40	103.17	120.65	19.84
4.000	101.60	106.35	123.83	19.84

Type: Cup mounted seats with standards dimensions

Replacement: Vulcan 20(Metric)

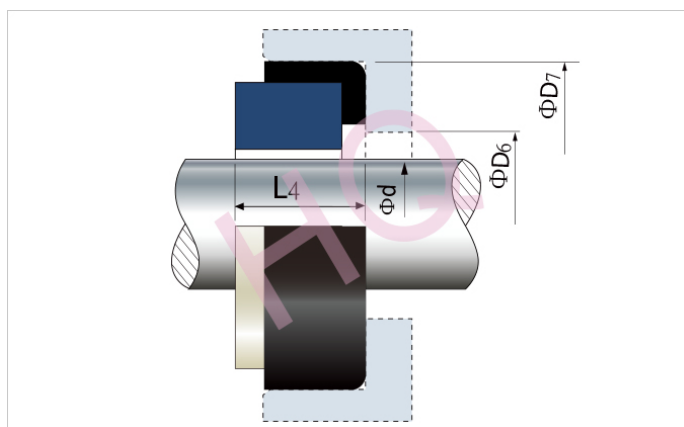
Material: V1,Q1,Q2,U1,U2



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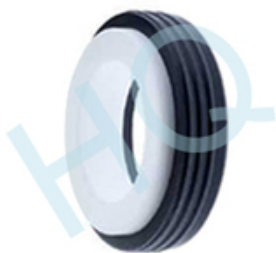


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d (mm)	D6	D7	L4
10	15	21	5.0
12	17	23	6.0
14	19	25	6.0
15	20	26	6.0
16	23	27	6.0
18	25	33	6.0
19	27	35	6.0
20	29	37	6.0
22	31	39	6.0
24	32	40	6.0
25	35	43	6.0
28	37	45	7.0
30	40	48	7.0
32	40	48	7.0
33	42	50	8.0
35	47	56	8.0
38	49	58	8.0
40	52	61	8.0
43	54	63	8.0
45	57	66	10.0
48	60	70	10.0
50	63	73	10.0
53	65	75	10.0
55	68	78	10.0
58	70	80	12.0
60	73	83	12.0
65	75	85	12.0
68	79	90	12.0
70	81	92	12.0
75	88	97	12.0
80	92	105	12.5
85	97	110	12.5
90	102	115	12.5
95	117	120	12.5
100	122	125	12.5

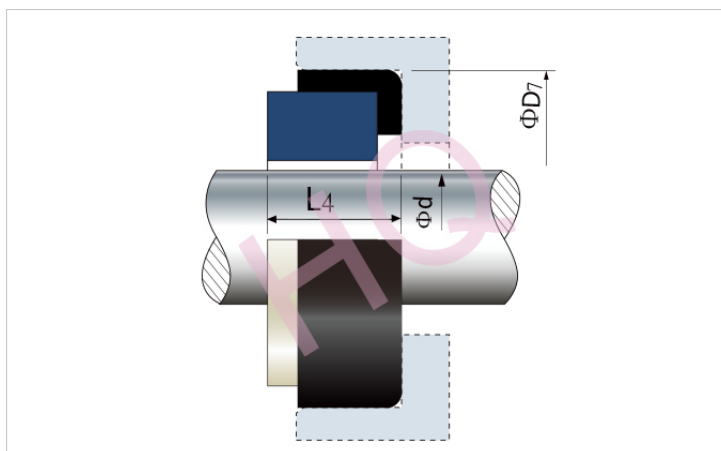
Type: Cup mounted seats, in inch dimensions
 Replacement: Vulcan 20(Inch)
 Material: V1,Q1,Q2,U1,U2



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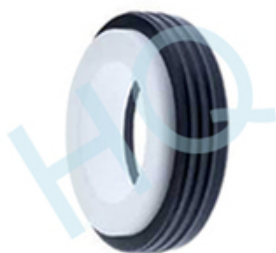


Size (inch)	d	D7	L4
0.375	9.5	24.60	8.7
0.500	12.7	27.80	8.7
0.625	15.8	30.95	10.3
0.750	19.0	34.15	10.3
0.813	20.6	35.70	10.3
0.875	22.2	37.30	10.3
1.000	25.4	40.50	10.3
0.125	28.5	47.65	11.9
1.250	31.7	50.80	11.9
1.375	34.9	54.00	11.9
1.500	38.1	57.15	11.9
1.625	41.2	60.35	11.9
1.750	44.4	63.50	11.9
1.875	47.6	66.70	11.9
2.000	50.8	69.85	13.5
2.125	53.9	73.05	13.5
2.250	57.1	76.20	13.5
2.375	60.3	79.40	13.5
2.500	63.5	82.55	13.5
2.625	66.6	92.05	15.9
2.750	69.8	95.25	15.9
2.875	73.0	98.45	15.9
3.000	76.2	101.65	15.9
3.125	79.3	111.15	20.0
3.250	82.5	114.30	20.0
3.375	85.7	117.50	20.0
3.500	88.9	120.65	20.0
3.625	92.0	123.85	20.0
3.750	95.2	127.00	20.0
3.875	98.4	130.20	20.0
4.000	101.6	133.35	20.0

Type: Cup mounted seats, according with
DIN24960 standard

Replacement: Vulcan 24,AES S04,Crane N(Din)

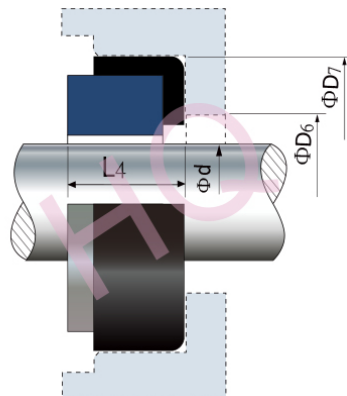
Material: V1,Q1,Q2,U1,U2



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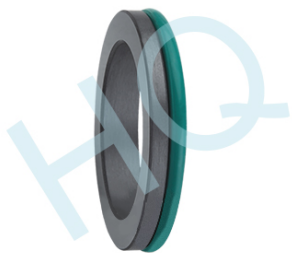


d (mm)	D6	D7	L4
10	17	21	8.6
12	19	23	8.6
14	21	25	8.6
16	23	27	10.0
18	27	33	10.0
20	29	35	10.0
22	31	37	10.0
24	33	39	10.0
25	34	40	10.0
28	37	43	10.0
30	39	45	10.0
32	42	48	10.0
33	42	48	10.0
35	44	50	10.0
38	49	56	11.0
40	51	58	11.0
43	54	61	11.0
45	56	63	11.0
48	59	66	11.0
50	62	70	13.0
53	65	73	13.0
55	67	75	13.0
58	70	78	13.0
60	72	80	13.0
63	75	83	13.0
65	77	85	13.0
68	81	90	13.0
70	83	92	15.3
75	88	97	15.3
80	95	105	15.3
85	100	110	15.7
90	105	115	15.7
95	110	120	15.7
100	115	125	15.7

Type: o-ring mounted seats, with standard dimensions

Replacement: Burgmann G4, Vulcan 8 STD, AES S01

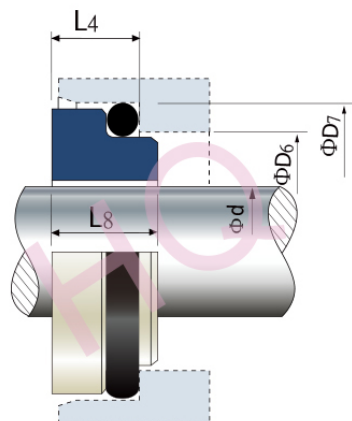
Material: V1, Q1, Q2, U1, U2



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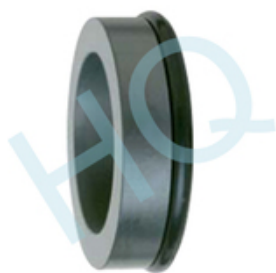


d (mm)	D6	D7	L4	L8
10	15.5	19.2	6.6	7.5
12	17.5	21.6	5.6	6.5
14	20.5	24.6	5.6	6.5
15	20.5	24.6	6.6	7.5
16	22.0	28.0	7.5	8.5
18	24.0	30.0	8.0	9.0
20	29.5	35.0	7.5	8.5
22	29.5	35.0	7.5	8.5
24	32.0	38.0	7.5	8.5
25	32.0	38.0	7.5	8.5
26	34.0	40.0	8.0	9.0
28	36.0	42.0	9.0	10.0
30	39.2	45.0	10.5	11.5
32	42.2	48.0	10.5	11.5
33	44.2	50.0	11.0	12.0
35	46.2	52.0	11.0	12.0
38	49.2	55.0	10.3	11.3
40	52.2	58.0	10.8	11.8
42	53.3	62.0	12.0	13.2
43	53.3	62.0	12.0	13.2
45	55.3	64.0	11.6	12.8
48	59.7	68.4	11.6	12.8
50	60.8	69.3	11.6	12.8
53	63.8	72.3	12.3	13.5
55	66.5	75.4	13.3	14.5
58	69.5	78.4	13.3	14.5
60	71.5	80.4	13.3	14.5
63	74.5	83.4	13.3	14.2
65	76.5	85.4	13.0	14.2
68	82.7	91.5	13.7	14.9
70	83.0	92.0	13.0	14.2
75	90.2	99.0	14.0	15.2
80	95.2	104.0	15.0	16.2
85	100.2	109.0	14.8	16.0
90	105.2	114.0	14.8	16.0
95	111.6	120.3	15.8	17.0
100	114.5	123.3	15.8	17.0

Type: O-Ring mounted seats, according with
DIN24690 standard

Replacement: Crane BO

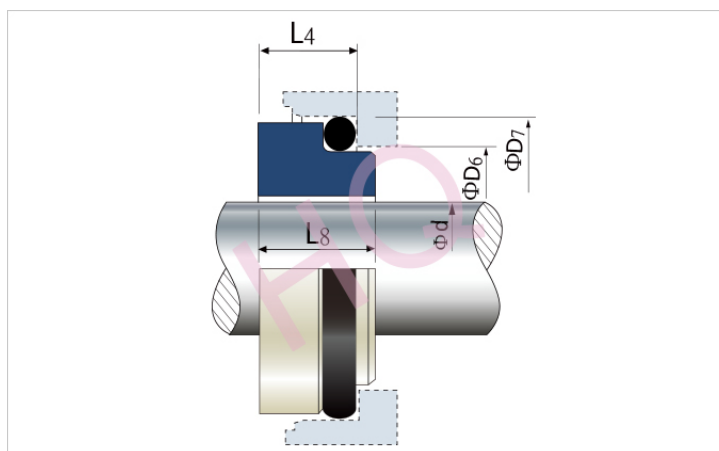
Material: V1,Q1,Q2,U1,U2



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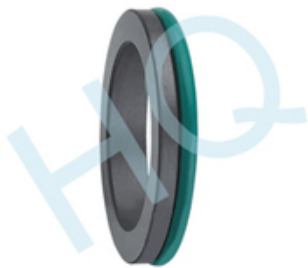


d (mm)	D6	D7	L4	L8
14	21	25	12.0	12.8
16	23	27	12.0	12.8
18	27	33	13.5	14.5
20	29	35	13.5	14.5
22	31	37	13.5	14.5
24	33	39	13.3	14.3
25	34	40	13.0	14.0
28	37	43	12.5	13.5
30	39	45	12.0	13.0
32	42	48	12.0	13.0
33	42	48	12.0	13.0
35	44	50	12.0	13.0
38	49	56	13.0	14.0
40	51	58	13.0	14.0
43	54	61	13.0	14.0
45	56	63	13.0	14.0
48	59	66	13.0	14.0
50	62	70	13.5	14.5
53	65	73	13.5	14.5
55	67	75	13.5	14.5
58	70	78	13.5	14.2
60	72	80	13.5	14.2
63	75	83	13.5	14.2
65	77	85	13.5	14.2
68	81	90	13.5	14.2
70	83	92	14.5	15.2
75	88	97	14.5	15.2
80	95	105	15.0	15.7
85	100	110	15.0	15.7
90	105	115	15.0	15.7
95	110	120	15.0	15.7
100	115	125	15.0	15.7

Type: o-ring mounted seats, with a short axial dimension, according with DIN24960 standard

Replacement: Crane BS, AES S03, Vulcan 8
DINS, Burgmann G6, Flowserve 8S

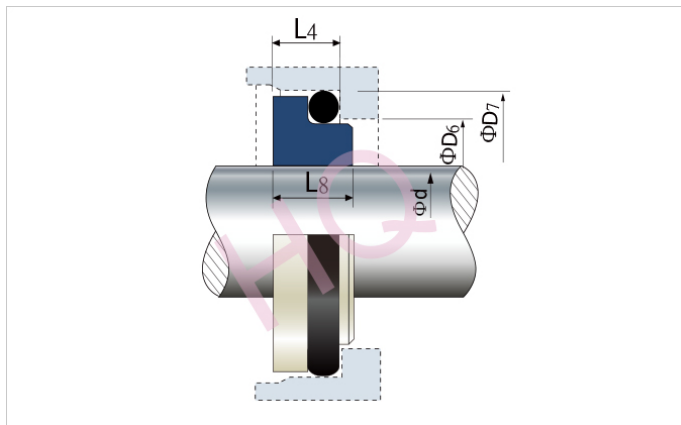
Material: V1, Q1, Q2, U1, U2



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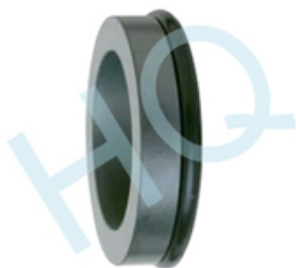


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d (mm)	D6	D7	L4	L8
12	19	23	6.0	6.8
14	21	25	6.0	6.8
16	23	27	6.0	6.8
18	27	33	6.0	7.0
20	29	35	6.0	7.0
22	31	37	6.0	7.0
24	33	39	6.0	7.0
25	34	40	6.0	7.0
28	37	43	6.0	7.0
30	39	45	7.0	8.0
32	42	48	7.0	8.0
33	42	48	7.0	8.0
35	44	50	8.0	9.0
38	49	56	8.0	9.0
40	51	58	8.0	9.0
43	54	61	8.0	9.0
45	56	63	8.0	9.0
48	59	66	10.0	11.0
50	62	70	10.0	11.0
53	65	73	10.0	11.0
55	67	75	10.0	11.0
58	70	78	10.0	11.7
60	72	80	12.0	12.7
63	75	83	12.0	12.7
65	77	85	12.0	12.7
68	81	90	12.0	12.7
70	83	92	12.0	12.7
75	88	97	12.0	12.7
80	95	105	12.5	13.2
85	100	110	12.5	13.2
90	105	115	12.5	13.2
95	110	120	12.5	13.2
100	115	125	12.5	13.2

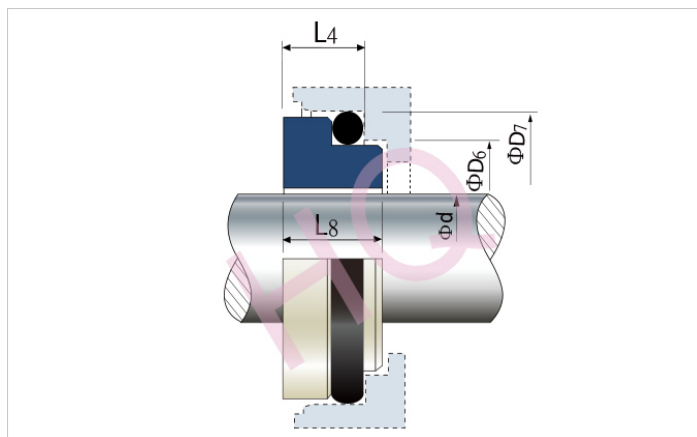
Type: o-ring mounted seats, with short design,
according with DIN2496 standard
Replacement: Vulcan 24 DINS, AES S06, Crane
BO, Flowserve 4S
Material: V1, Q1, Q2, U1, U2



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d (mm)	D6	D7	L4	L8
10	17	21	8.6	10.0
12	19	23	8.6	10.0
14	21	25	8.6	10.0
16	23	27	8.6	10.0
18	27	33	10.0	11.5
20	29	35	10.0	11.5
22	31	37	10.0	11.5
24	33	39	10.0	11.5
25	34	40	10.0	11.5
28	37	43	10.0	11.5
30	39	45	10.0	11.5
32	42	48	10.0	11.5
33	42	48	10.0	11.5
35	44	50	10.0	11.5
38	49	56	11.0	12.5
40	51	58	11.0	12.5
43	54	61	11.0	12.5
45	56	63	11.0	12.5
48	59	66	11.0	12.5
50	62	70	13.0	14.5
53	65	73	13.0	14.5
55	67	75	13.0	14.5
58	70	78	13.0	14.5
60	72	80	13.0	14.5
63	75	83	13.0	14.5
65	77	85	13.0	14.5
68	81	90	15.3	16.5
70	83	92	15.3	16.5
75	88	97	15.3	16.5
80	95	105	15.7	17.5
85	100	110	15.7	17.5
90	105	115	15.7	17.5
95	110	120	15.7	17.5
100	115	125	15.7	17.5

Type: o-ring mounted seats, with standard dimensions.

Replacement: Vulcan 12

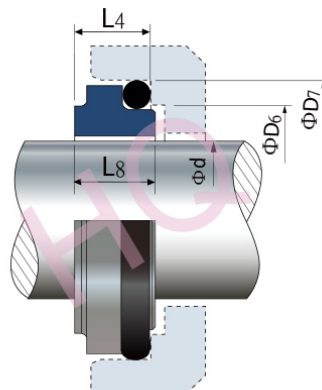
Material: B,V1,Q1,Q2,U1,U2



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d (mm)	D6	D7	L4	L8
10	14.0	18.1	5.5	7.0
11	16.5	20.6	5.5	7.0
12	16.5	20.6	5.5	7.0
13	19.0	23.1	6.0	7.5
14	19.0	23.1	6.0	7.5
15	21.0	26.9	7.0	9.0
16	21.0	26.6	7.0	9.0
17	21.0	26.9	7.0	9.0
18	25.0	30.9	8.0	9.5
19	25.0	30.9	8.0	9.5
20	25.0	30.9	8.0	9.5
21	30.0	35.4	8.0	9.5
22	30.0	35.4	8.0	9.5
23	30.0	35.4	8.0	9.5
24	30.0	35.4	8.0	9.5
25	33.0	38.2	8.5	9.5
26	33.0	38.2	8.5	9.5
28	38.0	43.3	9.0	11.0
29	38.0	43.3	9.0	11.0
30	38.0	43.3	9.0	11.0
32	38.0	43.3	9.0	11.0
33	45.0	53.5	11.5	13.0
34	45.0	53.5	11.5	13.0
35	45.0	53.5	11.5	13.0
36	45.0	53.5	11.5	13.0
38	52.0	60.5	11.5	13.0
40	52.0	60.5	11.5	13.0
42	52.0	60.5	11.5	13.0
43	52.0	60.5	11.5	13.0
44	57.0	65.5	11.5	13.0
45	57.0	65.5	11.5	13.0
48	57.0	65.5	11.5	13.0
50	64.0	72.5	11.5	13.5
55	64.0	72.5	11.5	13.5
60	72.0	79.3	11.5	13.5
65	77.0	84.5	11.5	13.5
70	82.0	89.5	11.5	13.5
75	87.0	94.5	11.5	13.5
80	92.0	99.5	11.5	13.5
85	98.0	105.5	13.5	15.5
90	105.0	111.5	13.5	15.5
95	110.0	116.5	13.5	15.5
100	114.0	119.5	13.5	15.5

7D(12 DIN)

Type: O-Ring mounted seats, according with
EN12756 Standard

Replacement: Vulcan 12 DIN

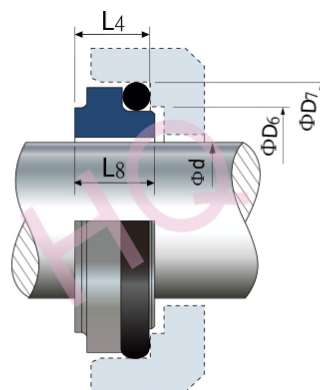
Material: B,V1,Q1,Q2,U1,U2



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d (mm)	D6	D7	L4	L8
10	17	21	7	8.5
12	19	23	7	8.5
14	21	25	7	8.5
16	23	27	7	8.5
18	27	33	10	12.0
20	29	35	10	12.0
22	31	37	10	12.0
24	33	39	10	12.0
25	34	40	10	12.0
28	37	43	10	12.0
30	39	45	10	12.0
32	42	48	10	11.5
33	42	48	10	11.5
35	44	50	10	11.5
38	49	56	13	15.0
40	51	58	13	15.0
43	54	61	13	15.0
45	56	63	13	14.5
48	59	66	13	14.5
50	62	70	14	15.0
53	65	73	14	16.0
55	67	75	14	16.0
58	70	78	14	16.0
60	72	80	14	16.0
63	75	83	14	16.0
65	77	85	14	16.0
68	81	90	16	18.0
70	83	92	16	18.0
75	88	97	18	18.0
80	95	105	18	20.0
85	100	110	18	20.0
90	105	115	18	20.0
95	110	120	18	20.0
100	115	125	18	20.0

Type: O-Ring mounted seats, according with
DIN24960 standard, with seat blocked ring
and suitable for vacuum application

Replacement: Crane BC

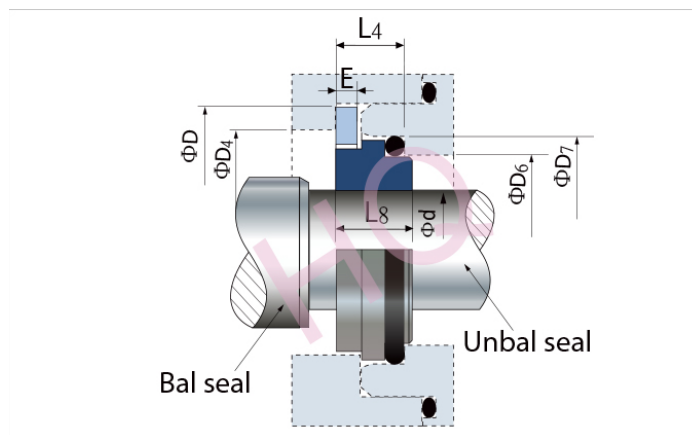
Material: V1,Q1,Q2,U1,U2



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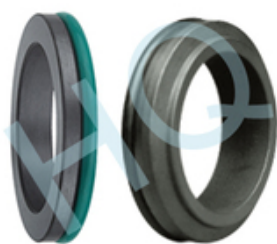


d (mm)	D		D4		D6	D7	L4	L8	E
	Undal	Bal.	Undal	Bal.					
14	30	38	26	34	21	25	12.0	12.8	4
16	32	40	28	36	23	27	12.0	12.8	4
18	38	42	34	38	27	33	13.5	14.5	4
20	40	43	36	40	29	35	13.5	14.5	4
22	42	46	38	42	31	37	13.5	14.5	4
24	43	48	40	44	33	39	13.3	14.3	4
25	46	50	41	46	34	40	13.0	14.0	4
28	48	53	44	49	37	43	12.5	13.5	4
30	50	60	46	51	39	45	12.0	13.0	4
32	53	62	48	58	42	48	12.0	13.0	4
33	53	62	49	58	42	48	12.0	13.0	4
35	60	65	51	60	44	50	12.0	13.0	4
38	62	67	58	63	49	56	13.0	14.0	6
40	65	70	60	65	51	58	13.0	14.0	6
43	67	72	63	68	54	61	13.0	14.0	6
45	70	75	65	70	56	63	13.0	14.0	6
48	72	77	68	73	59	66	13.0	14.0	6
50	75	86	70	75	62	70	13.5	14.5	6
53	77	88	73	83	65	73	13.5	14.5	6
55	86	91	75	85	67	75	13.5	14.5	6
58	88	93	83	88	70	78	13.5	14.2	6
60	91	96	88	90	72	80	13.5	14.2	6
65	96	103	90	95	77	85	13.5	14.2	6
68	98	-	93	-	81	90	13.5	14.2	6
70	103	108	95	104	83	92	14.5	15.2	6
75	108	120	104	109	88	97	14.5	15.2	6
80	120	125	109	114	95	105	15.0	15.7	6
85	125	130	114	119	100	110	15.0	15.7	6
90	130	135	119	124	105	115	15.0	15.7	6
95	135	140	124	129	110	120	15.0	15.7	6
100	140	145	129	134	115	125	15.0	15.7	6

Type: o-ring mounted seats, according with
DIN24960 standard

Replacement: Burgmann G6/G606, AES S03, Vulcan 8
DINS, Crane BS, Flowserve 8S

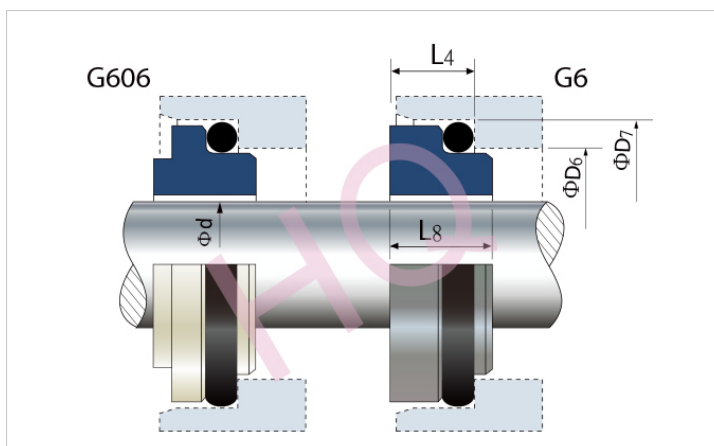
Material: G6: V1, Q1, Q2, U1, U2. G606: A, B



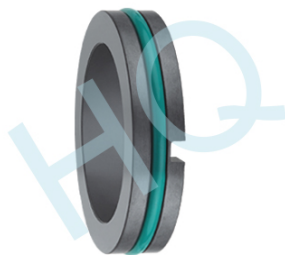
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Size (mm)	d	D6	D7	L4	L8
10	10	17	21	6.6	7.5
12	12	19	23	6.6	7.5
14	14	21	25	6.6	7.5
16	16	23	27	6.6	7.5
18	18	27	33	7.5	8.5
20	20	29	35	7.5	8.5
22	22	31	37	7.5	8.5
24	24	33	39	7.5	8.5
25	25	34	40	7.5	8.5
28	28	37	43	7.5	8.5
30	30	39	45	7.5	8.5
32	32	42	48	7.5	8.5
33	33	42	48	7.5	8.5
35	35	44	50	7.5	8.5
38	38	49	56	9.0	10.0
40	40	51	58	9.0	10.0
43	43	54	61	9.0	10.0
45	45	56	63	9.0	10.0
48	48	59	66	9.0	10.0
50	50	62	70	9.5	10.5
53	53	65	73	11.0	12.0
55	55	67	75	11.0	12.0
58	58	70	78	11.0	12.0
60	60	72	80	11.0	12.0
63	63	75	83	11.0	12.0
65	65	77	85	11.0	12.0
68	68	81	90	11.3	12.5
70	70	83	92	11.3	12.5
75	75	88	97	11.3	12.5
80	80	95	105	12.0	13.0
85	85	100	110	14.0	15.0
90	90	105	115	14.0	15.0
95	95	110	120	14.0	15.0
100	100	115	125	14.0	15.0



Type: o-ring mounted seats, with anti-rotation slot, can apply to American standard seals housing dimensions

Replacement: Vulcan 21, AES S07/S070, Crane W type, Roten W, Flowserve 1 H

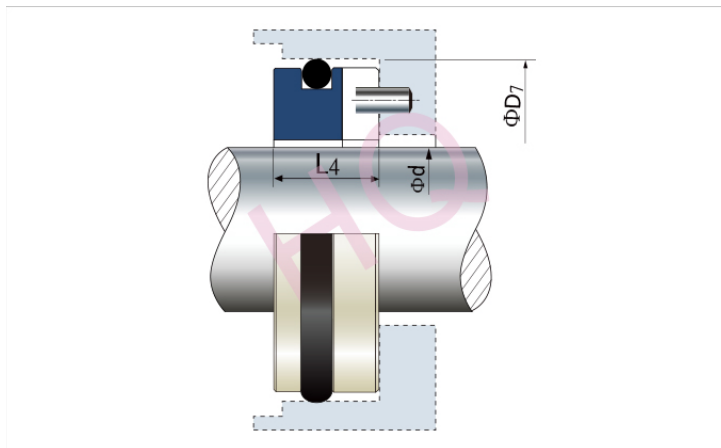
Material: V1, Q1, Q2, U1, U2



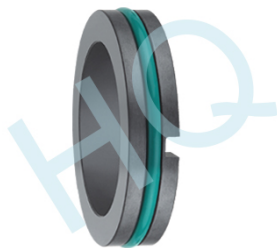
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Size (inch)	Size (mm)	D7	L4		Size (inch)	Size (mm)	D7	L4
0.375	-	24.60	8.7		1.625	-	60.35	11.9
-	10	24.60	8.7		-	42	63.50	11.9
-	12	27.79	8.7		-	43	63.50	11.9
0.500	-	27.79	8.7		1.750	-	63.50	11.9
-	13	27.79	8.7		-	45	63.50	11.9
-	14	30.95	10.3		1.875	-	66.70	11.9
-	15	30.95	10.3		-	48	66.70	11.9
0.625	-	30.95	10.3		-	50	69.85	13.5
-	16	30.95	10.3		2.000	-	69.85	13.5
-	18	34.15	10.3		-	53	73.05	13.5
0.750	-	34.15	10.3		2.125	-	73.05	13.5
-	20	35.70	10.3		-	55	76.20	13.5
-	22	37.30	10.3		2.250	-	76.20	13.5
0.875	-	37.30	10.3		-	58	79.40	13.5
-	24	40.50	10.3		-	60	79.40	13.5
-	25	40.50	10.3		2.375	-	79.40	13.5
1.000	-	40.50	10.3		-	63	82.55	13.5
-	28	47.63	11.9		2.500	-	82.55	13.5
1.125	-	47.63	11.9		-	65	92.10	15.9
-	30	50.80	11.9		2.625	-	92.10	15.9
1.250	-	50.80	11.9		2.750	-	95.25	15.9
-	32	50.80	11.9		-	70	95.25	15.9
-	33	53.98	11.9		2.875	-	98.45	15.9
1.375	-	53.98	11.9		-	75	101.65	15.9
-	35	53.98	11.9		3.000	-	101.65	15.9
-	38	57.15	11.9		-	80	111.15	19.9
1.500	-	57.15	11.9		-	90	120.65	19.9
	40	60.35	11.9		-	100	133.35	19.9



Type: o-ring mounted seats, with anti-rotation slot, can apply to American standard seals housing dimensions

Replacement: Vulcan 31, AES S07/S070, Crane W type, Roten W, Flowserve 1H

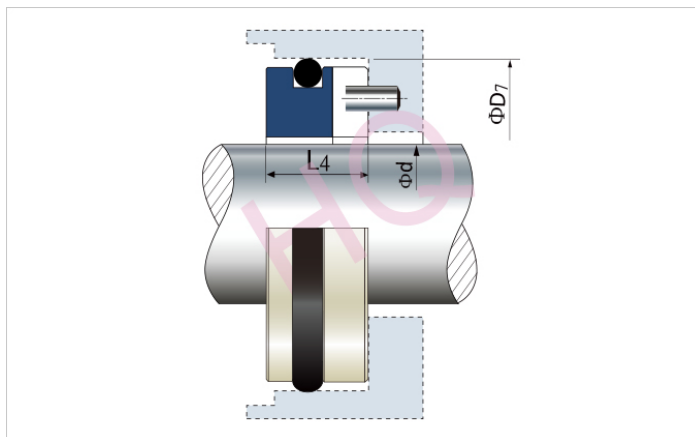
Material: V1, Q1, Q2, U1, U2



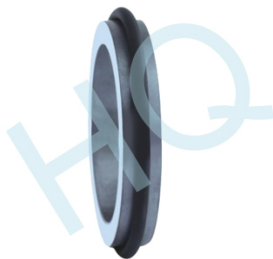
<http://www.hqseal.com>



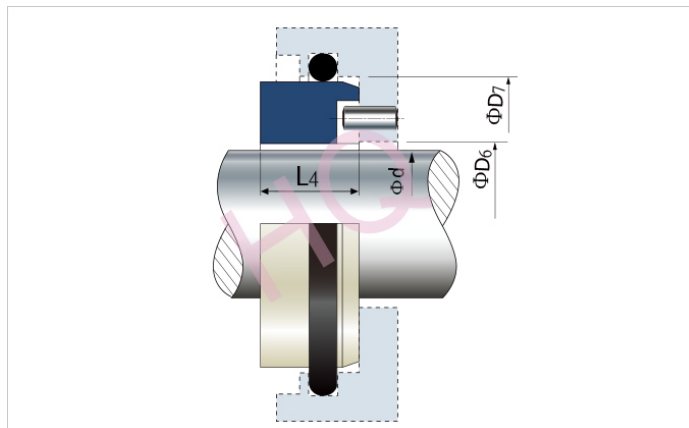
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Size (inch)	Size (mm)	D7	L4		Size (inch)	Size (mm)	D7	L4
0.375	-	22.22	7.95		1.625	-	60.33	12.70
-	10	22.22	7.95		-	42	63.50	12.70
-	12	25.40	7.95		-	43	63.50	12.70
0.500	-	25.40	7.95		1.750	-	63.50	12.70
-	13	25.40	7.95		-	45	66.68	12.70
-	14	31.75	10.30		1.875	-	66.68	12.70
-	15	31.75	10.30		-	48	69.85	12.70
0.625	-	31.75	10.30		-	50	69.85	12.70
-	16	31.75	10.30		2.000	-	69.85	12.70
-	18	34.93	10.30		-	53	76.20	14.30
0.750	-	34.93	10.30		2.125	-	76.20	14.30
-	20	38.10	10.30		-	55	79.38	14.30
-	22	38.10	10.30		2.250	-	79.30	14.30
0.875	-	38.10	10.30		-	58	82.55	14.30
-	24	41.28	11.10		-	60	82.55	14.30
-	25	41.28	11.10		2.375	-	82.55	14.30
1.000	-	41.28	11.10		-	63	85.73	14.30
-	28	44.44	11.10		2.500	-	85.73	14.30
1.125	-	44.44	11.10		-	65	85.73	14.31
-	30	47.63	11.10		2.625	-	85.73	15.90
1.250	-	47.63	11.10		2.750	-	88.90	15.90
-	32	47.63	11.10		-	70	88.90	15.90
-	33	50.80	11.10		2.875	-	95.25	15.90
1.375	-	50.80	11.10		-	75	98.43	15.90
-	35	50.80	11.10		3.000	-	98.43	15.90
-	38	53.98	11.10		-	80	101.60	19.88
1.500	-	53.98	11.10		-	90	111.13	19.88
	40	60.35	12.70		-	100	123.83	19.88



Type: o-ring mounted seats OD, with anti-rotation pin, using standard dimensions.
 Replacement: Crane PG
 Material: Q1,Q2,U1,U2



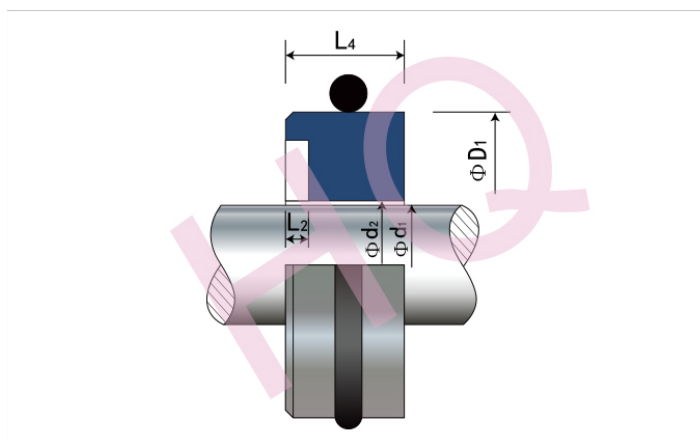
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Size (inch)	d	D6	D7	L4
0.500	12.7	14.0	25.60	7.92
0.625	15.8	17.5	31.95	10.31
0.750	19.0	21.0	35.12	10.31
0.875	22.2	24.0	38.30	10.31
1.000	25.4	27.5	41.48	11.10
1.125	28.5	30.5	44.65	11.10
1.250	31.7	33.5	47.82	11.10
1.375	34.9	37.0	51.00	11.10
1.500	38.1	40.0	54.00	11.10
1.625	41.2	43.0	60.53	12.70
1.750	44.4	46.5	63.70	12.70
1.875	47.6	49.5	66.88	12.70
2.000	50.8	53.0	70.05	12.70
2.125	53.9	56.0	76.40	14.27
2.250	57.1	59.0	79.58	14.27
2.375	60.3	62.5	82.75	14.27
2.500	63.5	65.5	85.93	14.27
2.625	66.6	68.5	85.93	15.88
2.750	69.8	72.0	89.10	15.88
2.875	73.0	75.0	95.45	15.88
3.000	76.2	78.5	98.63	15.88
3.125	79.3	81.5	101.80	19.84
3.250	82.5	84.5	104.98	19.84
3.375	85.7	88.0	108.15	19.84
3.500	88.9	91.0	111.33	19.84
3.625	92.0	94.0	114.5	19.84
3.750	95.2	97.5	117.68	19.84
3.875	98.4	100.5	120.85	19.84
4.000	101.6	103.5	124.03	19.84

Type: Push-Fit "BLOCK" Seats
Replacement: Vulcan 32
Material: Q1,Q2,A,B



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d1 (inch)	d2	D1	L4	L2	Slot P.C.D
0.500	0.543	0.996	0.311	0.098	0.780
0.625	0.669	1.246	0.406	0.098	0.953
0.750	0.793	1.371	0.406	0.098	1.093
0.875	0.919	1.496	0.406	0.098	1.220
1.000	1.043	1.621	0.439	0.098	1.343
1.125	1.184	1.746	0.439	0.098	1.469
1.250	1.309	1.871	0.439	0.098	1.594
1.375	1.434	1.996	0.439	0.098	1.717
1.500	1.559	2.121	0.439	0.098	1.843
1.625	1.684	2.371	0.502	0.118	2.031
1.750	1.809	2.496	0.502	0.118	2.157
1.875	1.934	2.621	0.502	0.118	2.280
2.000	2.059	2.746	0.502	0.118	2.406
2.125	2.184	2.996	0.564	0.138	2.594
2.250	2.309	3.121	0.564	0.138	2.717
2.375	2.434	3.246	0.564	0.138	2.843
2.500	2.559	3.371	0.564	0.138	2.969
2.625	2.684	3.371	0.627	0.138	3.031
2.750	2.809	3.496	0.627	0.138	3.157
2.875	2.934	3.746	0.627	0.138	3.343
3.000	3.059	3.871	0.627	0.138	3.469
3.125	3.225	3.996	0.781	0.138	3.594
3.250	3.350	4.121	0.781	0.138	3.717
3.375	3.475	4.246	0.781	0.138	3.843
3.500	3.600	4.371	0.781	0.138	3.969
3.625	3.725	4.496	0.781	0.138	4.094
3.750	3.850	4.621	0.781	0.138	4.217
3.875	3.975	4.746	0.781	0.138	4.343
4.000	4.100	4.871	0.781	0.138	4.469



Type: PTFE rectangular ring mounted seats, also
Available in flexible-graphite, with
standard dimensions

Replacement: Crane AG, AES S09, Vulcan 23

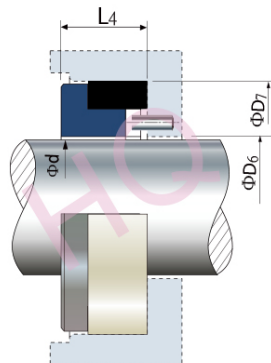
Material: Q1, Q2, U1, U2



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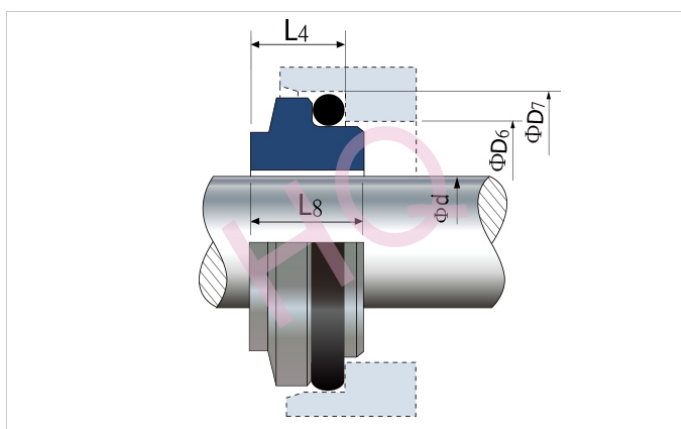
Size (inch)	d	D6	D7	L4
0.250	6.3	7.1	19.05	7.9
0.375	9.5	10.2	22.23	7.9
0.500	12.7	13.4	25.40	7.9
0.625	15.8	16.6	31.75	10.3
0.750	19.0	19.7	34.93	10.3
0.875	22.2	22.9	38.10	10.3
1.000	25.4	26.1	41.28	11.1
0.125	28.5	29.3	44.45	11.1
1.250	31.7	32.4	47.63	11.1
1.375	34.9	35.6	50.80	11.1
1.500	38.1	38.9	53.98	11.1
1.625	41.2	42.4	60.33	12.7
1.750	44.4	45.5	63.50	12.7
1.875	47.6	48.7	66.68	12.7
2.000	50.8	51.9	69.85	12.7
2.125	53.9	55.0	76.20	14.3
2.250	57.1	58.2	79.38	14.3
2.375	60.3	61.4	82.55	14.3
2.500	63.5	64.6	85.73	14.3
2.625	66.6	67.7	85.73	15.9
2.750	69.8	70.9	88.90	15.9
2.875	73.0	74.1	95.25	15.9
3.000	76.2	77.3	98.43	19.8
3.125	79.3	80.5	101.60	19.8
3.250	82.5	83.6	104.78	19.8
3.375	85.7	86.8	107.95	19.8
3.500	88.9	90.0	111.13	19.8
3.625	92.0	93.1	114.30	19.8
3.750	95.2	96.3	117.48	19.8
3.875	98.4	99.5	120.65	19.8
4.000	101.6	102.7	123.83	19.8
4.125	104.7	106.3	130.18	19.8
4.250	107.9	109.5	133.35	19.8
4.375	111.1	112.7	136.53	19.8
4.500	114.3	115.9	139.70	19.8
4.625	117.4	119.0	142.88	19.8
4.750	120.6	122.2	146.05	19.8
4.875	123.8	125.4	149.23	19.8
5.000	127.0	128.6	152.40	19.8



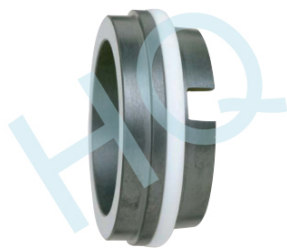
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d (mm)	D6	D7	L4	L8
10	15.5	19.2	7.1	9.0
12	17.5	21.6	7.6	10.0
14	20.5	24.6	7.6	10.0
15	20.5	24.6	8.6	11.0
16	22.0	28.0	9.0	11.5
18	24.0	30.0	10.0	12.5
20	29.5	35.0	9.5	12.5
22	29.5	35.0	9.5	12.5
24	32.0	38.0	9.5	12.5
25	32.0	38.0	9.5	12.5
26	34.0	40.0	10.0	13.0
28	36.0	42.0	11.0	14.0
30	39.2	45.0	11.0	14.0
32	42.2	48.0	11.0	14.0
33	44.2	50.0	11.5	14.5
35	46.2	52.0	11.5	14.5
38	49.2	55.0	11.5	14.5
40	52.2	58.0	11.5	14.5
42	53.3	62.0	14.3	17.0
43	53.3	62.0	14.3	17.0
45	55.3	64.0	14.3	17.0
48	59.7	68.4	14.3	17.0
50	60.8	69.3	14.3	17.0
53	63.8	72.3	14.3	17.0
55	66.5	75.4	15.3	18.0
58	69.5	78.4	15.3	18.0
60	71.5	80.4	15.3	18.0
63	74.5	83.4	15.3	18.0
65	76.5	85.4	15.3	18.0
68	82.7	91.5	16.0	19.0
70	83.0	92.0	15.3	18.0
75	90.2	99.0	15.3	18.0
80	95.2	104.0	16.3	19.0
85	100.2	109.0	16.3	19.0
90	105.2	114.0	16.3	19.0
95	111.6	120.3	17.3	20.0
100	114.5	123.3	17.3	20.0



Type: PTFE rectangular Ring mounted seats, with anti-rotation pin, according with DIN24960 standard, also is available in o-ring mounted shape with seat blocked ring and suitable in vacuum application

Replacement: Crane BD,AES S010

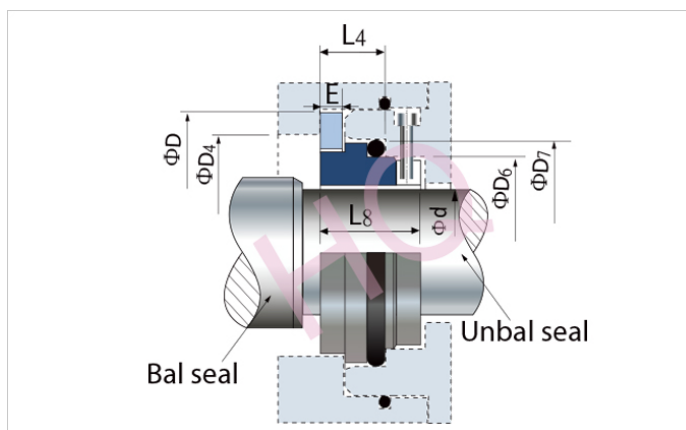
Material: V1,Q1,Q2,U1,U2



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d (mm)	D		D4		D6	D7	L4	L8	E
	Undal	Bal.	Undal	Bal.					
14	30	38	26	34	21	25	12.0	18.5	4
16	32	40	28	36	23	27	12.0	18.5	4
18	38	42	34	38	27	33	13.5	20.5	4
20	40	43	36	40	29	35	13.5	20.5	4
22	42	46	38	42	31	37	13.5	20.5	4
24	43	48	40	44	33	39	13.3	20.3	4
25	46	50	41	46	34	40	13.0	20.0	4
28	48	53	44	49	37	43	12.5	19.5	4
30	50	60	46	51	39	45	12.0	19.0	4
32	53	62	48	58	42	48	12.0	19.0	4
33	53	62	49	58	42	48	12.0	19.0	4
35	60	65	51	60	44	50	12.0	19.0	4
38	62	67	58	63	49	56	13.0	20.0	6
40	65	70	60	65	51	58	13.0	20.0	6
43	67	72	63	68	54	61	13.0	20.0	6
45	70	75	65	70	56	63	13.0	20.0	6
48	72	77	68	73	59	66	13.0	20.0	6
50	75	86	70	75	62	70	13.5	20.5	6
53	77	88	73	83	65	73	13.5	20.5	6
55	86	91	75	85	67	75	13.5	20.5	6
58	88	93	83	88	70	78	13.5	20.5	6
60	91	96	88	90	72	80	13.5	20.5	6
65	96	103	90	95	77	85	13.5	20.5	6
68	98	-	93	-	81	90	13.5	20.5	6
70	103	108	95	104	83	92	14.5	21.5	6
75	108	120	104	109	88	97	14.5	21.5	6
80	120	125	109	114	95	105	15.0	22.0	6
85	125	130	114	119	100	110	15.0	22.0	6
90	130	135	119	124	105	115	15.0	22.0	6
95	135	140	124	129	110	120	15.0	22.0	6
100	140	145	129	134	115	125	15.0	22.0	6

Type: PFTE rectangular ring mounted seats, with anti-rotation pin, according with DIN24960 standard, Also available in o-ring mounted shape

Replacement: Crane BP, AES S010

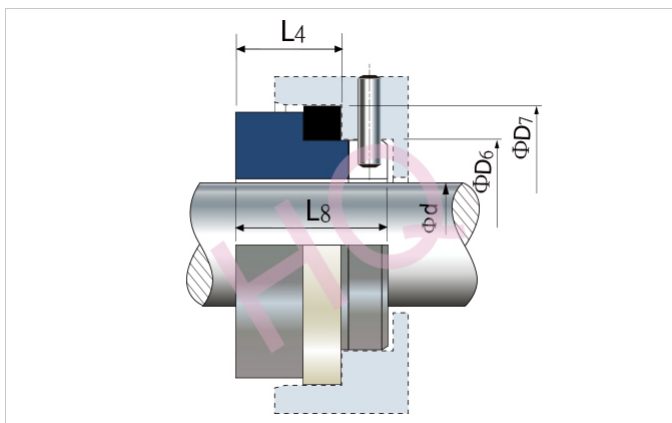
Material: V1, Q1, Q2, U1, U2



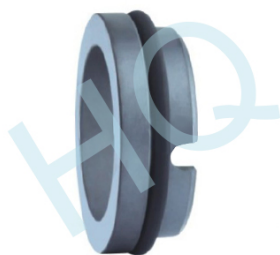
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d (mm)	D6	D7	L4	L8
14	21	25	12.0	18.5
16	23	27	12.0	18.5
18	27	33	13.5	20.5
20	29	35	13.5	20.5
22	31	37	13.5	20.5
24	33	39	13.3	20.3
25	34	40	13.0	20.0
28	37	43	12.5	19.5
30	39	45	12.0	19.0
32	42	48	12.0	19.0
33	42	48	12.0	19.0
35	44	50	12.0	19.0
38	49	56	13.0	20.0
40	51	58	13.0	20.0
43	54	61	13.0	20.0
45	56	63	13.0	20.0
48	59	66	13.0	20.0
50	62	70	13.5	20.5
53	65	73	13.5	20.5
55	67	75	13.5	20.5
58	70	78	13.5	20.5
60	72	80	13.5	20.5
63	75	83	13.5	20.5
65	77	85	13.5	20.5
68	81	90	13.5	20.5
70	83	92	14.5	21.5
75	88	97	14.5	21.5
80	95	105	15.0	22.0
85	100	110	15.0	22.0
90	105	115	15.0	22.0
95	110	120	15.0	22.0
100	115	125	15.0	22.0



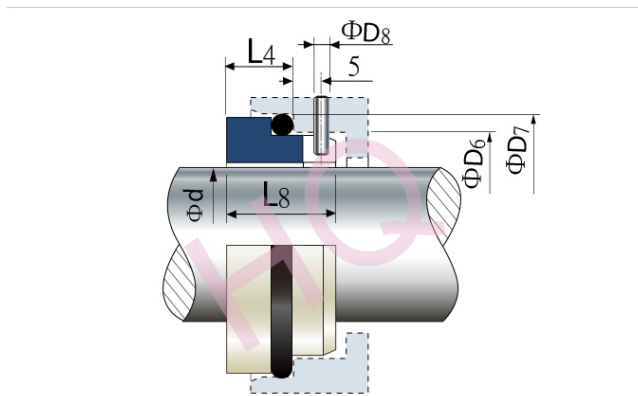
Type: O-ring mounted seats, with anti-rotation pin, according with DIN24960 standard
 Replacement: Vulcan 24 DINL, AES S05, Flowserve 4L
 Material: V1, Q1, Q2, U1, U2



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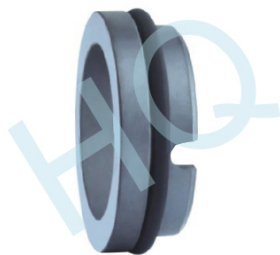


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Size (mm)	d	D6	D7	D8	L4	L8
10	10	17	21	3	8.6	15.0
12	12	19	23	3	8.6	15.0
14	14	21	25	3	8.6	15.0
16	16	23	27	3	8.6	15.0
18	18	27	33	3	10.0	17.0
20	20	29	35	3	10.0	17.0
22	22	31	37	3	10.0	17.0
24	24	33	39	3	10.0	17.0
25	25	34	40	3	10.0	17.0
28	28	37	43	3	10.0	17.0
30	30	39	45	3	10.0	17.0
32	32	42	48	3	10.0	17.0
33	33	42	48	3	10.0	17.0
35	35	44	50	3	10.0	17.0
38	38	49	56	4	11.0	18.0
40	40	51	58	4	11.0	18.0
43	43	54	61	4	11.0	18.0
45	45	56	63	4	11.0	18.0
48	48	59	66	4	11.0	18.0
50	50	62	70	4	13.0	20.0
53	53	65	73	4	13.0	20.0
55	55	67	75	4	13.0	20.0
58	58	70	78	4	13.0	20.0
60	60	72	80	4	13.0	20.0
63	63	75	83	4	13.0	20.0
65	65	77	85	4	13.0	20.0
68	68	81	90	4	15.3	22.0
70	70	83	92	4	15.3	22.0
75	75	88	97	4	15.3	22.0
80	80	95	105	4	15.7	22.5
85	85	100	110	4	15.7	22.5
90	90	105	115	4	15.7	22.5
95	95	110	120	4	15.7	22.5
100	100	115	125	4	15.7	22.5

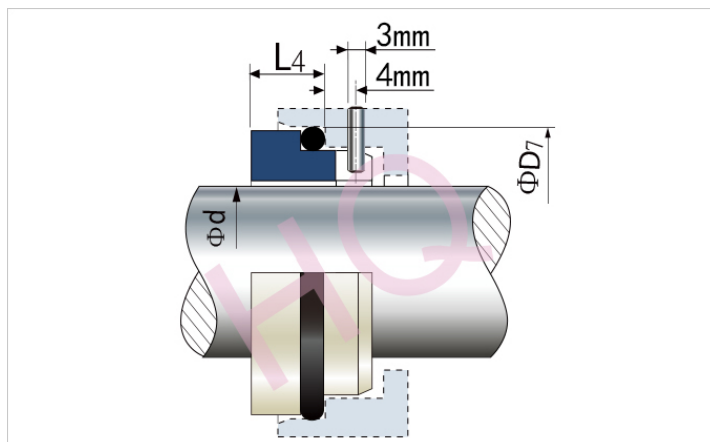
Type: O-Ring Mounted Seat
 Replacement: Burgmann S5,AES S01SL
 Material: V1,Q1,Q2.U1,U2



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d (mm)	D7	L4
10	19.2	5.6
12	21.6	5.6
14	24.6	6.6
15	24.6	6.6
16	28.0	7.0
18	30.0	8.0
19	35.0	7.5
20	35.0	7.5
22	35.0	7.5
24	38.0	7.5
25	38.0	7.5
26	38.0	7.5
28	42.0	9.0
30	45.0	10.5
32	48.0	10.5
35	52.0	11.0
38	55.0	10.3
40	58.0	10.8
42	62.0	12.2
45	64.0	11.8
48	68.4	11.8
50	69.3	11.8
55	75.4	13.5
58	78.4	13.5
60	80.4	13.5
65	85.4	13.2
68	91.5	13.7
70	92.0	13.2
75	99.0	14.2
80	104.0	15.2

Type: o-ring seats, with anti-rotation pin, using standard dimensions

Replacement: Burgmann G16

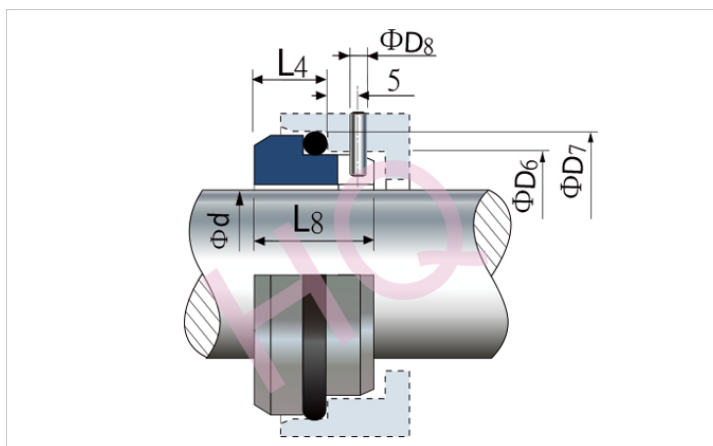
Material: Q1,Q2,U1,U2



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d (mm)	D6	D7	D8	L4	L8
18	27	33	3	7.0	15.0
20	29	35	3	7.0	15.0
22	31	37	3	7.0	15.0
24	33	39	3	7.0	15.0
25	34	40	3	7.0	15.0
28	37	43	3	7.0	15.0
30	39	45	3	7.0	15.0
32	42	48	3	7.0	15.0
33	42	48	3	7.0	15.0
35	44	50	3	7.0	15.0
38	49	56	4	8.0	16.0
40	51	58	4	8.0	16.0
43	54	61	4	8.0	16.0
45	56	63	4	8.0	16.0
48	59	66	4	8.0	16.0
50	62	70	4	9.5	17.0
53	65	73	4	9.5	17.0
55	67	75	4	9.5	17.0
58	70	78	4	10.5	18.0
60	72	80	4	10.5	18.0
63	75	83	4	10.5	18.0
65	77	85	4	10.5	18.0
68	81	90	4	11.0	18.0
70	83	92	4	11.5	19.0
75	88	97	4	11.5	19.0
80	95	105	4	11.5	19.0
85	100	110	4	11.5	19.0
90	105	115	4	13.0	20.5
95	110	120	4	13.0	20.5
100	115	125	4	13.0	20.5

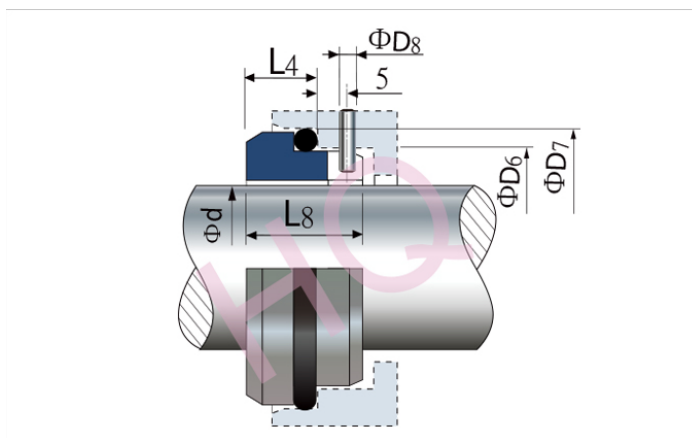
Type: o-ring mounted seats, with anti-rotation pin, using standard dimensions.
 Replacement: Burgmann G46
 Material: Q1,Q2,U1,U2



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d (mm)	D6	D7	D8	L4	L8
18	27	33	3	9.0	17.0
20	29	35	3	9.0	17.0
22	31	37	3	9.0	17.0
24	33	39	3	9.0	17.0
25	34	40	3	9.0	17.0
28	37	43	3	9.5	17.5
30	39	45	3	9.5	17.5
32	42	48	3	9.5	17.5
33	42	48	3	9.5	17.5
35	44	50	3	9.5	17.5
38	49	56	4	10.5	18.5
40	51	58	4	10.5	18.5
43	54	61	4	10.5	18.5
45	56	63	4	10.5	18.5
48	59	66	4	10.5	18.5
50	62	70	4	12.0	19.5
53	65	73	4	12.0	19.5
55	67	75	4	12.0	19.5
58	70	78	4	13.0	20.5
60	72	80	4	13.0	20.5
63	75	83	4	13.0	20.5
65	77	85	4	13.0	20.5
68	81	90	4	13.5	21.0
70	83	92	4	14.0	21.5
75	88	97	4	14.0	21.5
80	95	105	4	14.0	21.5
85	100	110	4	14.0	21.5
90	105	115	4	15.5	23.0
95	110	120	4	15.5	23.0
100	115	125	4	15.5	23.0

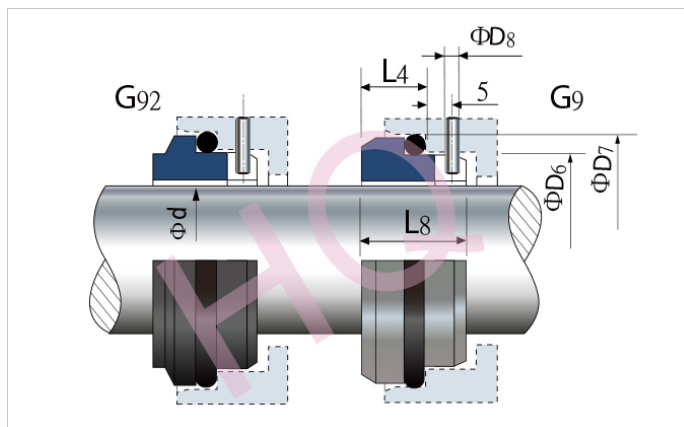


<http://www.hqseal.com>



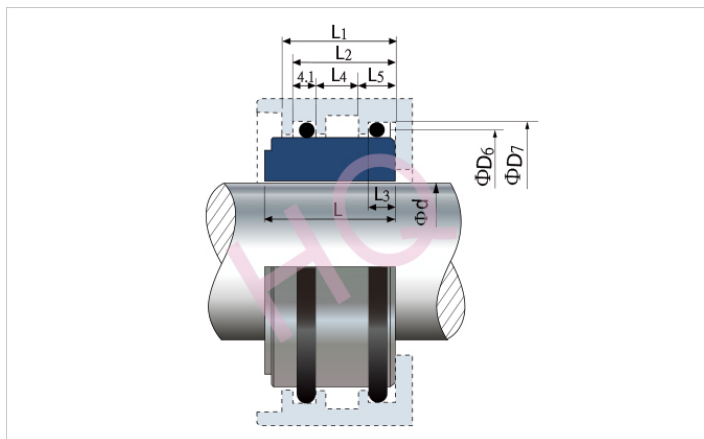
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Type: o-ring mounted seats, with anti-rotation pin, according with DIN24960 standard
 Replacement: Burgmann G9/G92, AES S02, Vulcan 8
 DINL, Flowserve 8L
 Material: G9: V1, Q1, Q2, U1, U2. G92: A, B



d (mm)	D6	D7	D8	L4	L8
10	17	21	3	10.0	17.5
12	19	23	3	10.0	17.5
14	21	25	3	10.0	17.5
16	23	27	3	10.0	17.5
18	27	33	3	11.5	19.5
20	29	35	3	11.5	19.5
22	31	37	3	11.5	19.5
24	33	39	3	11.5	19.5
25	34	40	3	11.5	19.5
28	37	43	3	11.5	19.5
30	39	45	3	11.5	19.5
32	42	48	3	11.5	19.5
33	42	48	3	11.5	19.5
35	44	50	3	11.5	19.5
38	49	56	4	14.0	22.0
40	51	58	4	14.0	22.0
43	54	61	4	14.0	22.0
45	56	63	4	14.0	22.0
48	59	68	4	14.0	22.0
50	62	70	4	15.0	23.0
53	65	73	4	15.0	23.0
55	67	75	4	15.0	23.0
58	70	78	4	15.0	23.0
60	72	80	4	15.0	23.0
63	75	83	4	15.0	23.0
65	77	85	4	15.0	23.0
68	81	90	4	18.0	26.0
70	83	92	4	18.0	26.0
75	88	97	4	18.0	26.0
80	95	105	4	18.0	26.2
85	100	110	4	18.0	26.2
90	105	115	4	18.0	26.2
95	110	120	4	17.2	25.2
100	115	125	4	17.2	25.2

Type: DIN 24960 Standards seat
Replacement: Burgmann G115
Material: Q1,Q2,A,B



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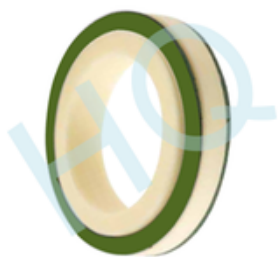
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d (mm)	D6	D7	L	L1	L3	L4	L5	L2
14	-	-	-	-	8	9	6.6	22.6
16	-	-	-	-	8	9	6.6	22.6
18	-	-	-	-	8	9	6.6	22.6
20	-	-	-	-	8	9	6.6	22.6
22	-	-	-	-	8	9	6.6	22.6
24	-	-	-	-	8	9	6.6	24.6
25	-	-	-	-	8	9	6.6	24.6
28	44.65	50.57	24	24.0	8	9	6.6	24.6
30	47.83	53.75	24.5	24.0	8	9	6.6	24.6
32	47.83	53.75	24.5	24.0	8	9	6.6	24.6
33	47.83	53.75	24.5	24.0	8	9	6.6	24.6
35	51.00	56.92	24.5	24.0	8	9	6.6	24.6
38	54.18	60.10	26.0	24.0	8	9	6.6	24.6
40	60.53	66.45	26.0	24.0	8	9	6.6	24.6
43	63.70	69.62	26.0	24.0	8	9	6.6	24.6
45	63.70	69.62	26.0	24.0	8	9	6.6	24.6
48	66.88	72.80	26.0	24.0	8	9	6.6	24.6
50	70.05	75.97	26.0	24.0	8	9	6.6	24.6
53	76.40	82.32	26.0	24.0	8	9	6.6	24.6
55	76.40	82.32	28.5	26.0	8	11	6.6	24.6
58	79.58	85.50	28.5	26.0	8	11	6.6	24.6
60	82.75	88.67	28.5	26.0	8	11	6.6	24.6
63	85.93	91.85	28.5	26.0	8	11	6.6	24.6
65	85.93	91.85	28.5	26.0	8	11	6.6	24.6
70	89.10	95.02	30.5	26.0	8	11	6.6	24.6
75	98.63	104.55	30.5	26.0	8	11	6.6	24.6
80	101.80	107.72	30.2	26.0	8	11	6.6	24.6
85	108.15	114.07	30.2	26.0	8	11	6.6	24.6
90	114.50	120.42	30.2	26.0	8	11	6.6	24.6
95	117.68	123.6	29.2	26.0	8	11	6.6	24.6
100	124.03	129.95	29.2	26.0	8	11	6.6	24.6
105	128.98	134.90	29.2	26.0	8	11	6.6	24.6
110	135.30	141.20	32.5	30.0	8	11	6.6	24.6
115	140.30	146.20	32.5	30.0	8	11	6.6	24.6
120	145.30	151.20	32.5	30.0	8	11	6.6	24.6

Type: The seat with two PTFE gaskets should be clamped structure. it can be fitted in various types of mechanical seals

Replacement: Vulcan 25, AES S08/S080, Crane V, Roten V

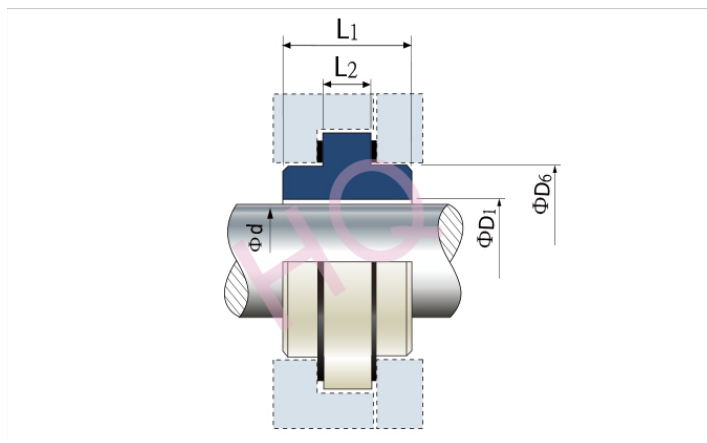
Material: V1, Q1, Q2



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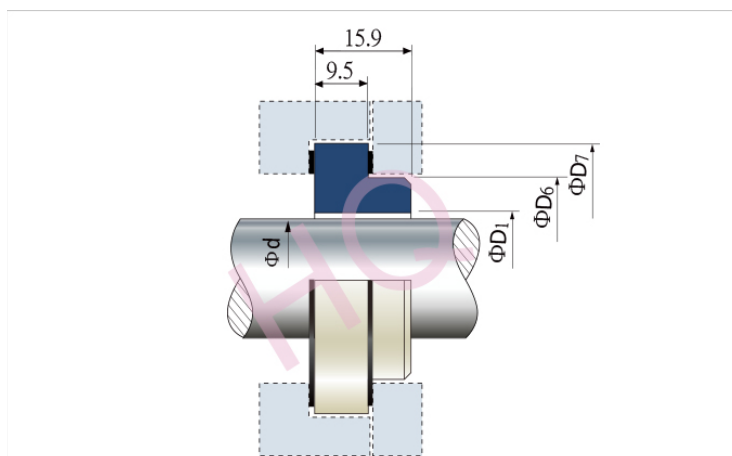


d (inch)	Size code	d (mm)	D1	D3	D6	L1	L2	Gasket think
0.500	127	12	13.7	39.70	29.05	17.40	7.9	0.8
	150	15	16.0	41.00	31.9	17.40	7.9	0.8
0.625	158	16	16.8	43.69	33.04	17.40	7.9	0.8
0.750	191	19	20.0	46.50	36.21	17.40	7.9	0.8
	200	20	21.0	47.00	36.9	17.40	7.9	0.8
0.875	222	22	23.2	49.50	39.39	17.40	7.9	0.8
1.300	254	25	36.4	52.50	42.56	17.40	7.9	0.8
1.125	286	28	29.6	58.50	45.74	26.90	11.1	0.8
	300	30	31.0	58.75	48.69	26.90	11.1	1.6
1.250	317		32.7	63.50	50.5	26.90	11.1	1.6
	330	33	34.0	65.00	52.3	26.90	11.1	1.6
1.375	349	35	36.0	65.50	53.68	26.90	11.1	1.6
1.500	381	38	39.1	69.50	56.85	26.90	11.1	1.6
	400	40	41.0	75.00	61.9	26.90	11.1	1.6
1.625	412		42.2	76.50	63.20	26.90	11.1	1.6
1.750	444		45.4	79.50	66.38	26.90	11.1	1.6
	450	45	46.0	80.00	66.90	26.90	11.1	1.6
1.875	476	48	49.0	82.50	69.55	26.90	11.1	1.6
	500	50	51.0	85.00	71.90	26.90	11.1	1.6
2.000	508		51.8	85.50	72.73	26.90	11.1	1.6
2.125	539		54.9	95.5	79.08	33.33	14.3	1.6
	550	55	56.0	96.00	79.90	33.33	14.3	1.6
2.250	571		58.1	98.50	82.25	33.33	14.3	1.6

Type: The seat with two PTFE gaskets design with L-shape profile, it can be fitted in multiple-spring balanced seals

Replacement: Vulcan 27

Material: V1,Q1,Q2

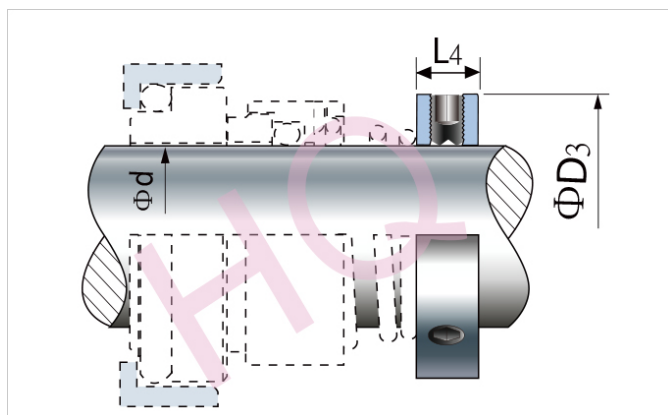


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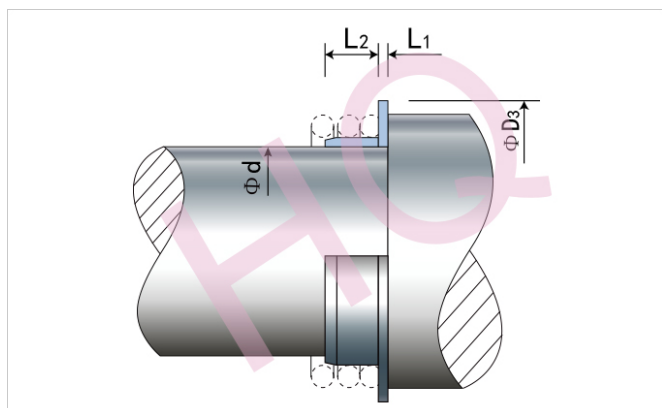
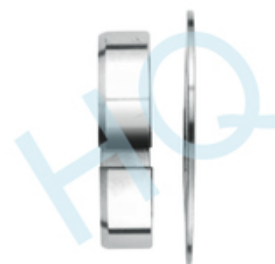
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d (inch)	D1	D6	D7
0.750	21.60	34.80	44.45
0.875	24.75	37.95	47.65
1.000	27.95	41.15	50.80
1.125	31.10	44.30	53.95
1.875	32.70	45.90	55.55
1.25	34.30	47.50	57.15
1.375	37.45	50.65	60.30
1.500	40.65	57.00	66.65
1.625	43.80	60.15	69.85
1.750	47.00	63.35	76.20
1.875	50.15	66.50	79.35
2.000	53.35	69.70	82.55
2.125	56.50	72.85	88.90
2.250	59.70	76.05	92.05
2.375	62.85	79.20	95.25
2.500	66.00	82.40	101.50
2.625	69.20	85.60	104.75
3.000	78.00	93.50	121.00



Type: O-Ring seats
Replacement: AES C01
Material: F,G

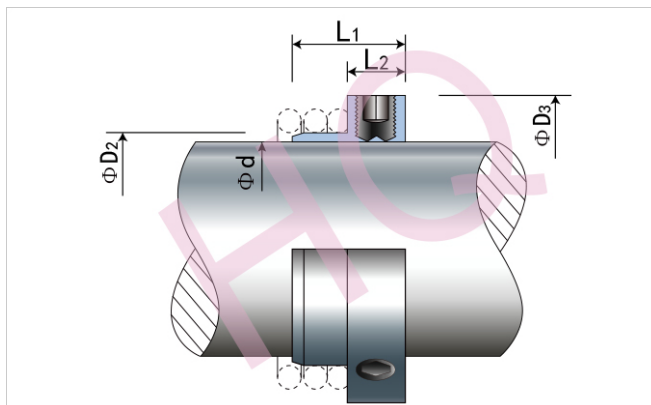
d		D3		L4	
mm	inch	mm	inch	mm	inch
12.0	0.472	25	0.984	7.5	0.295
12.7	0.500	26	1.024	7.5	0.295
14.0	0.551	27	1.063	7.5	0.295
15.0	0.591	28	1.102	7.5	0.295
15.8	0.622	29	1.142	7.5	0.295
16.0	0.630	29	1.142	7.5	0.295
18.0	0.709	31	1.220	7.5	0.295
19.1	0.752	32	1.260	7.5	0.295
20.0	0.787	33	1.299	7.5	0.295
22.0	0.866	35	1.378	7.5	0.295
22.2	0.874	35	1.378	7.5	0.295
24.0	0.945	37	1.457	7.5	0.295
25.0	0.984	38	1.496	7.5	0.295
25.4	1.000	39	1.535	7.5	0.295
28.0	1.102	41	1.614	7.5	0.295
28.6	1.126	42	1.654	7.5	0.295
30.0	1.181	43	1.693	7.5	0.295
31.7	1.248	45	1.772	7.5	0.295
32.0	1.260	45	1.772	7.5	0.295
34.9	1.374	48	1.890	7.5	0.295
35.0	1.378	48	1.890	7.5	0.295
38.0	1.496	53	2.087	10.0	0.394
38.1	1.500	53	2.087	10.0	0.394
40.0	1.575	55	2.165	10.0	0.394
41.2	1.622	56	2.205	10.0	0.394
42.0	1.654	57	2.244	10.0	0.394
43.0	1.693	58	2.283	10.0	0.394
44.4	1.748	60	2.362	10.0	0.394
45.0	1.772	60	2.362	10.0	0.394
47.6	1.874	63	2.480	10.0	0.394
48.0	1.890	63	2.480	10.0	0.394
50.0	1.969	65	2.559	10.0	0.394



Type: Split ring and washer for use with AES
P08(our CO-POB)
Replacement: AES C02
Material: F,G

d		D3		L1		L2	
mm	inch	mm	inch	mm	inch	mm	inch
12.0	0.472	21	0.827	1.5	0.059	7.5	0.295
12.7	0.5	21	0.827	1.5	0.059	7.5	0.295
14.0	0.551	23	0.906	1.5	0.059	7.5	0.295
15.0	0.591	24	0.945	1.5	0.059	7.5	0.295
15.8	0.622	25	0.984	1.5	0.059	7.5	0.295
16.0	0.63	25	0.984	1.5	0.059	7.5	0.295
18.0	0.709	31	1.220	1.5	0.059	7.5	0.295
19.1	0.752	31	1.220	1.5	0.059	7.5	0.295
20.0	0.787	33	1.299	1.5	0.059	7.5	0.295
22.0	0.866	35	1.378	1.5	0.059	7.5	0.295
22.2	0.874	35	1.378	1.5	0.059	7.5	0.295
24.0	0.945	37	1.457	1.5	0.059	7.5	0.295
25.0	0.984	38	1.496	1.5	0.059	7.5	0.295
25.4	1.000	38	1.496	1.5	0.059	7.5	0.295
28.0	1.102	41	1.614	2.0	0.079	9.0	0.354
28.6	1.126	41	1.614	2.0	0.079	9.0	0.354
30.0	1.181	43	1.693	2.0	0.079	9.0	0.354
31.7	1.248	45	1.772	2.0	0.079	9.0	0.354
32.0	1.26	45	1.772	2.0	0.079	9.0	0.354
34.9	1.374	48	1.890	2.0	0.079	9.0	0.354
35.0	1.378	48	1.890	2.0	0.079	9.0	0.354
38.0	1.496	53	2.087	2.0	0.079	9.0	0.354
38.1	1.5000	53	2.087	2.0	0.079	9.0	0.354
40.0	1.575	55	2.165	2.0	0.079	9.0	0.354
41.2	1.622	55	2.165	2.0	0.079	9.0	0.354
42.0	1.654	57	2.244	2.0	0.079	9.0	0.354
43.0	1.693	58	2.283	2.0	0.079	9.0	0.354
44.4	1.748	60	2.362	2.0	0.079	9.0	0.354
45.0	1.772	60	2.362	2.0	0.079	9.0	0.354
47.6	1.874	63	2.480	2.0	0.079	9.0	0.354
48.0	1.890	63	2.480	2.0	0.079	9.0	0.354
50.0	1.969	65	2.559	2.0	0.079	9.0	0.354

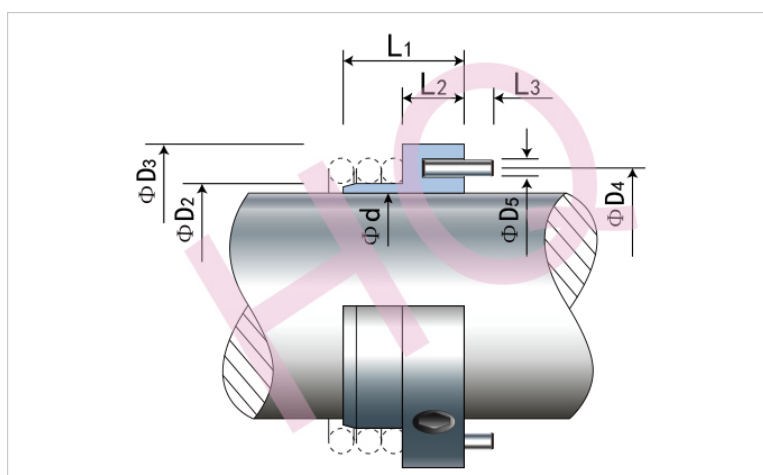
Type: L section clamp ring for use with AES
P08(our CO-POB)
Replacement: AES C03
Material: F,G



d		D2		D3		L1		L2	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
12.0	0.472	15	0.591	21	0.827	15.0	0.591	6	0.236
12.7	0.500	16	0.630	21	0.827	15.0	0.591	6	0.236
14.0	0.551	17	0.669	23	0.906	15.0	0.591	6	0.236
15.0	0.591	18	0.709	24	0.945	15.0	0.591	6	0.236
15.8	0.622	19	0.748	25	0.984	15.0	0.591	6	0.236
16.0	0.630	19	0.748	25	0.984	15.0	0.591	6	0.236
18.0	0.709	21	0.827	31	1.220	15.0	0.591	6	0.236
19.1	0.752	22	0.866	31	1.220	15.0	0.591	6	0.236
20.0	0.787	23	0.906	33	1.299	15.0	0.591	6	0.236
22.0	0.866	25	0.984	35	1.378	15.0	0.591	6	0.236
22.2	0.874	25	0.984	35	1.378	15.0	0.591	6	0.236
24.0	0.945	27	1.063	37	1.457	15.0	0.591	6	0.236
25.0	0.984	28	1.102	38	1.496	15.0	0.591	6	0.236
25.4	1.000	29	1.142	38	1.496	15.0	0.591	6	0.236
28.0	1.102	32	1.260	41	1.614	16.5	0.650	7	0.276
28.6	1.126	33	1.299	41	1.614	16.5	0.650	7	0.276
30.0	1.181	34	1.339	43	1.693	16.5	0.650	7	0.276
31.7	1.248	36	1.417	45	1.772	16.5	0.650	7	0.276
32.0	1.26	36	1.417	45	1.772	16.5	0.650	7	0.276
34.9	1.374	39	1.535	48	1.890	16.5	0.650	7	0.276
35.0	1.378	39	1.535	48	1.890	16.5	0.650	7	0.276
38.0	1.496	42	1.654	53	2.087	19.0	0.748	7	0.276
38.1	1.500	42	1.654	53	2.087	19.0	0.748	7	0.276
40.0	1.575	44	1.732	55	2.165	19.0	0.748	7	0.276
41.2	1.622	45	1.772	55	2.165	19.0	0.748	7	0.276
42.0	1.654	46	1.811	57	2.244	19.0	0.748	7	0.276
43.0	1.693	47	1.850	58	2.283	19.0	0.748	7	0.276
44.4	1.748	49	1.929	60	2.362	19.0	0.748	7	0.276
45.0	1.772	49	1.929	60	2.362	19.0	0.748	7	0.276
47.6	1.874	52	2.047	63	2.480	19.0	0.748	7	0.276
48.0	1.890	52	2.047	63	2.480	19.0	0.748	7	0.276
50.0	1.969	54	2.126	65	2.559	19.0	0.748	7	0.276



Type: L section clamp ring for use with AES
P08(our CO-POB)
Replacement: AES C04U
Material: F,G



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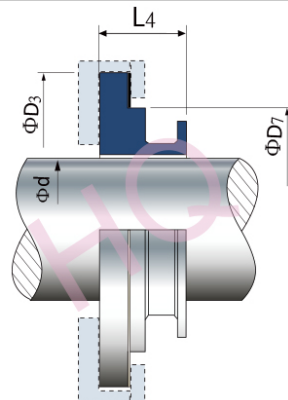
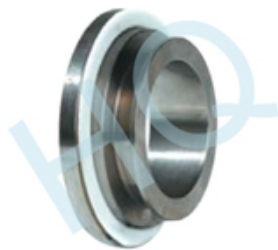
d (mm)	D2	D3	D4	D5	L1	L2	L3
45	49	60	52.5	3	19	7	6
60	65	79	68.0	3	22	9	6
73	78	95	78.0	3	24	9	6
85	91	107	96.0	4	27	12	4
d (inch)	D2	D3	D4	D5	L1	L2	L3
1.772	1.929	2.362	2.067	0.118	0.748	0.276	0.236
2.362	2.559	3.110	2.677	0.118	0.868	0.354	0.236
2.874	3.071	3.740	3.071	0.118	0.945	0.354	0.236
3.346	3.583	4.213	3.780	0.157	1.063	0.472	0.157

Type: O-ring mounted seats, with anti-rotation slot, can apply to American standard seals housing dimensions.

Replacement: AES SOJ, Crane J

Material: F,G

J



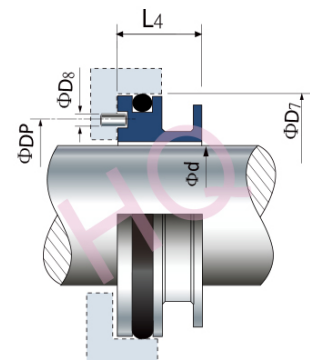
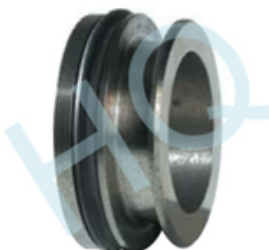
d (mm)	D3	D7	L4
53.9	95.3	79.5	27.0
66.6	107.9	91.8	32.5
85.7	127.0	111.0	36.5

Type: O-ring mounted seats, with anti-rotation slot, can apply to American standard seals housing dimensions.

Replacement: AES SOH, Crane H

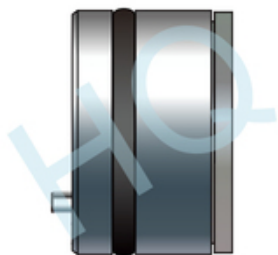
Material: F,G

H

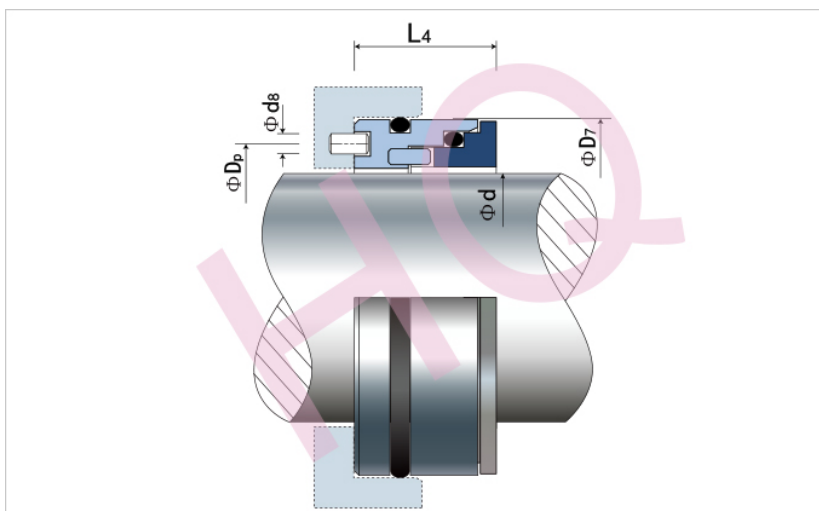


d (mm)	D7	D8	DP	L4
19.1	34.1	3.0	26.0	20.6
28.6	47.6	3.5	38.1	23.9
31.7	50.8	3.5	41.2	23.9
34.9	53.9	3.5	44.4	23.9
38.1	57.1	3.5	47.6	23.9
41.2	60.3	3.5	50.8	23.9
44.4	63.5	3.5	53.9	23.9
50.8	69.8	3.5	60.3	27.0
53.9	73.0	3.5	63.5	27.0
66.6	92.1	4.5	79.4	31.9

HX

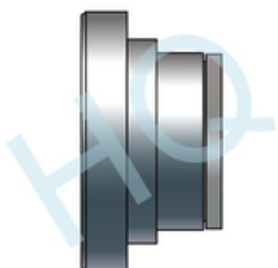


Type: Stationary Face
Replacement: AES SOHX

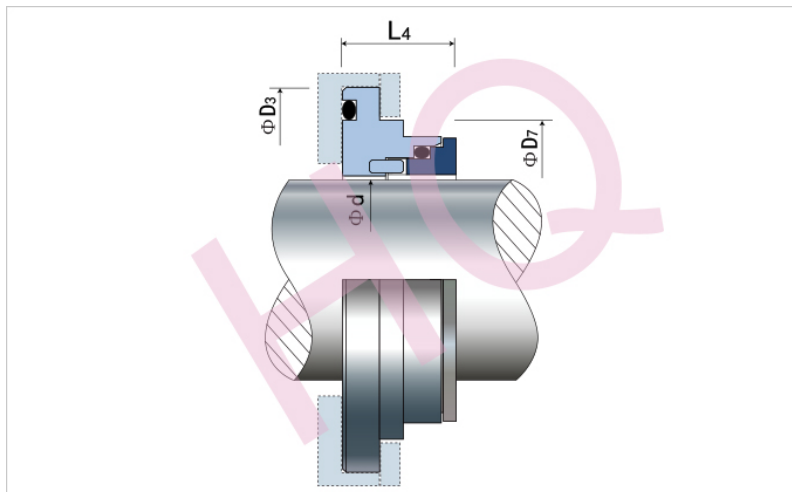


d (mm)	Dp	D7	d8	L4
44.4	53.9	63.5	3.5	23.9
53.9	63.5	73.0	3.5	27.0
66.6	79.4	92.1	4.5	31.9

JX



Type: Stationary Face
Replacement: AES SOJX



d (mm)	D3	D7	L4
53.9	95.3	79.5	27.0
66.6	107.9	91.8	32.5
85.7	127.0	111.0	36.5

Cross Reference Charts

<i>Seat Series</i>								
HQ	BURGMA NN	AES	CRANE	VULCAN	ROTEN	FLOWSE RVE	FLEXA	Chesterton
7D	-	-	-	12DIN		-		
16	-	-	AG	-		-		
24DINL	-	S05	-	24.DINL		4L		
BC	-	-	BC	-		-		
BD	-	S010	BD	-		-		
BO	-	S06	BO	24.DINS		4S		
BP	-	S010	BP	-		-		
BS	G6	S03	BS	8.DINS		8S		
G60	G60	-	-	-		-		
CT20	-	-	-	20(Metric)		-		
CT20-1	-	-	-	20(Inch)		-		
CT24	-	-	-	24		-		
G4	G4	S01	-	8.STD		-		
G6(G30)/G 606	G6/G606	S03	BS	8.DINS		8S		
G9/G92	G9/G92	S02	-	8.DINL		8L		
G13	G13	-	-	-		-		
G16	G16	-	-	-		-		
G46	G46	-	-	-		-		
L210	-	-	2100	-		-		



Cross Referance Charts

<i>Seat Series</i>								
HQ	BURGMA NN	AES	CRANE	VULCAN	ROTEN	FLOWSE RVE	FLEXA	Chesterton
N	-	-	PG	-		-		
T11	-	-	-	11		-		
T12	-	-	-	12		-		
T20	-	S07/S070	W	21	W	1H		
T21	-	S07/S070	W	31	W	1H		
T24DINS	-	S06	BO	24.DINS	-	4S		
G50	G50							
G115								
25	-	S08/S080	V	25	V	-		
27	-	-	-	27				
24								
C01		C01						
C02		C02						
C03		C03						
C04		C04U						
J		SOJ	J					
H		SOH	H					
HX		SOHX						
JX		SOJX						
NSI/USI		NSI/USI						

Metarial Codes

Metal Materials			
Type	Material Description	Symbol	Code
	Normal Stainless Steel	2Cr13	F2
	Stainless Steel	304	F
	Stainless Steel	304L	F1
	Stainless Steel	316	G
	Stainless Steel	316L	G1
	Hastelloy C-4 Alloy	Hast C4	M
	Hastelloy B-2 Alloy	Hast B2	M1
	Carpenter	Carp.20	M3
	Monel	Monel.K50	M4
	Hastelloy C-4C-276 Alloy	Hast.C-276	M5
	Pure Titanim	TA2	T2
	Carpenter	Carp.42	T4
	Deposit induration Stainless Steel	Am350	T6
	08F Coated with Chrome	Q235-A	C
	Brass	H62	H
Secondary Seal Materials			
Type	Material Description	Symbol	Code
Rubber	Nitrile(NBR)	NBR	P
	Ethylene Propylene(EPDM)	EPR	E
	Fluorocarbon Rubber(Viton)	FPM	V
	Silicon Rubber	SI	S
	Chloroprene Rubber	CR	N
	Hydrogen Nitrile	HNBR	H
	Perfluoroelastomer(Kalrez,Chemraz)	FFKM	K
PTFE	Pure PTFE	PTFE	T
	PTFE, glassfibre reinforced		T2
	PTFE,Carbon Reinforced		T3
PTFE Wrapped	FPM,with PTFE wrapped	PTFE+FPM	M1
	EPR,with PTFE wrapped	PTFE+EPR	M2
	MVQ,with PTFE wrapped	PTFE+MVQ	M3
Expended graphite	Expanded Graphite		G



Metarial Codes

Seal Ring Materials			
Type	Material Description	Symbol	Code
SIC	Silicon Carbide,Sintered Pressureless	SSIC	Q1
	Silicon Carbide,Sintered Pressureless(shrunk-in)		Q12
	Silicon Carbide,Reaction bonded	RBSIC	Q2
	Silicon Carbide,Reaction bonded(shrunk-in)		Q22
	Reaction Silicon Carbide with graphite		Q3
	Sintered Silocon Carbide with SB		Q4
AL203	Ceramic(Alumina)	99.5% AL203	V
	Ceramic(Alumina)	99% AL203	V1
	Ceramic(Alumina)	95% AL203	V2
	Cermet	Fe+AL203	V3
TC	Co-binder Tungsten Carbide	YG6,GY8	U1
	Co-binder Tungsten Carbide(shrunk-in)		U12
	Ni-binder Tungsten Carbide	M106,M108	U2
	Ni-binder Tungsten Carbide(shrunk-in)		U22
	NiCrmo-binder Tungsten Carbide		U3
	NiCrmo-binder Tungsten Carbide(shrunk-in)		U32
Carbon	Antimony Impreg,Carbon Graphite		A
	Babbitt Alloy Impreg,Carbon Graphite		A1
	Copper Impreg,Carbon Graphite		A2
	Resin Impregnated Carbon Graphite(Furan)		B
	Resin Impregnated Carbon Graphite(Epoxy)		B1
	Resin Impregnated Carbon(Phedol-formaldehyde)		B2
	Hot-pressing Carbon		B5
Metal	Stainless Steel	304	F
	Stainless Steel	304L	F1
	Stainless Steel	316	G
	Stainless Steel	316L	G1
	Tin bronze	ZQSn6-6-3	S1
	High silicon cast iron		S2
	High nickel cast iron		S3
Plastic	PTFE,glassfibre reinforced		Y1
	PTFE,carbon reinforced		Y2
Spring Materials			
Type	Material Description	Symbol	Code
	Hastelloy C-4 Alloy	Hast.C4	M
	Stainless Steel	304	F
	Stainless Steel	304L	F1
	Stainless Steel	316	G
	Stainless Steel	316L	G1
	65Mn Coated with Chrome	65Mn	G8