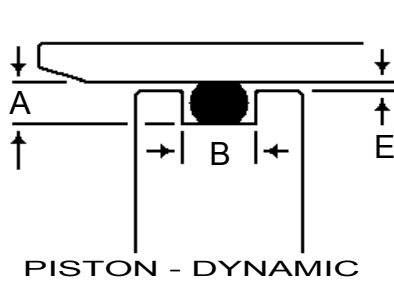
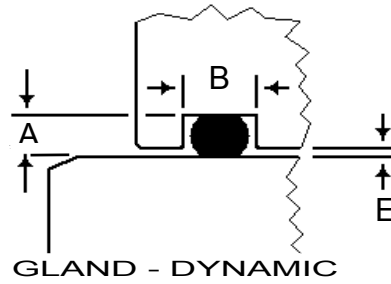


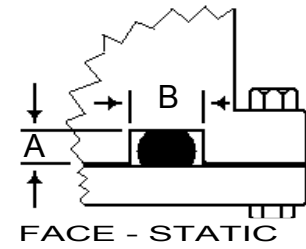
O-RING MACHINING



PISTON - DYNAMIC



GLAND - DYNAMIC



FACE - STATIC

GROOVE SIZES DYNAMIC APPLICATIONS HYDRAULICS		
CROSS SEC. mm	A mm	B mm
1	0.9	1.3
1.5	1.3	1.9
1.6	1.4	2
1.78	1.5	2.3
1.9	1.6	2.4
2	1.7	2.4
2.4	2.1	2.9
2.5	2.2	3
2.62	2.3	3.1
2.7	2.4	3.2
3	2.6	3.6
3.5	3.1	4.2
3.53	3.1	4.2
3.6	3.2	4.3
4	3.5	4.8
4.5	4	5.4
5	4.45	6
5.33	4.7	6.4
5.5	4.95	6.6
5.7	5.1	6.9
6	5.4	7.2
6.5	5.8	7.8
6.99	6.3	8.4
7	6.3	8.4
7.5	6.7	9
8	7.2	9.6
8.4	7.6	10.1
8.5	7.7	10.2
9	8.2	10.8
9.5	8.6	11.4
10	9.1	12

GROOVE SIZES DYNAMIC APPLICATIONS PNEUMATICS		
CROSS SEC. mm	A mm	B mm
1	0.95	1.3
1.5	1.35	1.9
1.6	1.45	2
1.78	1.55	2.3
1.9	1.75	2.4
2	1.8	2.4
2.4	2.15	2.9
2.5	2.25	3
2.62	2.35	3.1
2.7	2.45	3.2
3	2.75	3.6
3.5	3.25	4.2
3.53	3.25	4.2
3.6	3.35	4.3
4	3.7	4.8
4.5	4.2	5.4
5	4.65	6
5.33	4.95	6.4
5.5	5.15	6.6
5.7	5.35	6.9
6	5.65	7.2
6.5	6.1	7.8
6.99	6.6	8.4
7	6.6	8.4
7.5	7.1	9
8	7.6	9.6
8.4	7.9	10.1
8.5	8	10.2
9	8.5	10.8
9.5	9	11.4
10	9.5	12

STATIC APPLICATIONS		
CROSS SEC. mm	A mm	B mm
1	0.8	1.3
1.5	1.1	1.9
1.6	1.2	2.1
1.78	1.3	2.3
1.9	1.4	2.4
2	1.5	2.6
2.4	1.8	3.1
2.5	1.9	3.2
2.62	2	3.4
2.7	2.1	3.5
3	2.3	3.9
3.5	2.7	4.5
3.53	2.7	4.5
3.6	2.8	4.7
4	3.15	5.2
4.5	3.6	5.8
5	4	6.5
5.33	4.3	6.9
5.5	4.5	7.1
5.7	4.65	7.4
6	4.95	7.8
6.5	5.4	8.4
6.99	5.85	9.1
7	5.85	9.1
7.5	6.3	9.7
8	6.75	10.4
8.4	7.15	10.9
8.5	7.25	11
9	7.7	11.7
9.5	8.2	12.3
10	8.65	13

When using back-up rings " B " should be increased by width of the back-up ring.

ORING X SECTION	BACKUP THICKNESS (WIDTH)
up to 1.6mm	1.0mm
1.78 to 3.53mm	1.4mm
4 to 6mm	1.7mm
6.99 to 8.4mm	2.5mm

PRESSURE (PSI)		100	200	300	400	600	800	1000	1500	2000	3000	4000	5000	6000
E	WITH BACKUP (inch)	.036"	.032"	.028"	.026"	.024"	.021"	.018"	.014"	.010"	.006"	.004"	.003"	.002"
E	WITHOUT BACKUP (inch)	.031"	.025"	.022"	.018"	.014"	.010"	.007"	.004"	.002"				