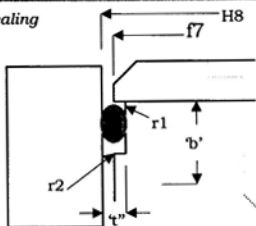


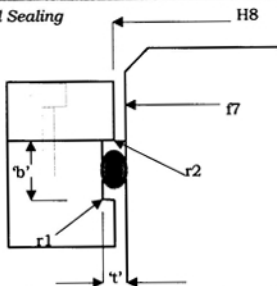
Housing Design

Where possible we recommend the use of the housing designs (note split design) shown below, followed by the dimension tables. All contact surfaces should be 20 micro inch or better.

Radial Piston Sealing



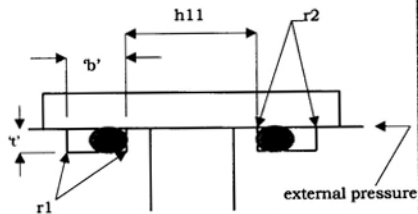
Radial Gland Sealing



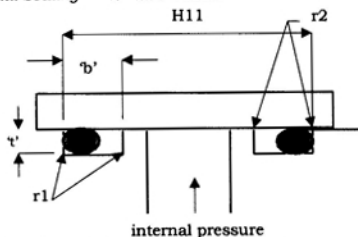
Csd	't'	+/-	'b'	+/-
1.60	1.20	0.05	2.10	0.20
1.78	1.30	0.05	2.30	0.20
2.00	1.50	0.05	2.60	0.20
2.50	1.90	0.05	3.20	0.20
2.62	2.00	0.05	3.40	0.20
3.00	2.30	0.05	3.90	0.20
3.40	2.50	0.05	4.30	0.20
3.53	2.75	0.05	4.50	0.20
4.00	3.15	0.05	5.20	0.20
4.25	3.38	0.05	5.50	0.20
4.50	3.60	0.05	5.80	0.20
5.00	4.00	0.05	6.50	0.20
5.34	4.30	0.05	6.90	0.20
5.50	4.50	0.05	7.10	0.20
5.70	4.65	0.05	7.40	0.20
6.00	4.95	0.05	7.80	0.20
6.35	5.25	0.05	8.20	0.20
6.99	5.85	0.05	9.10	0.20
8.00	6.75	0.10	10.40	0.20
8.40	7.15	0.10	10.90	0.20
9.00	7.70	0.10	11.70	0.20
9.52	8.20	0.10	12.30	0.20
10.00	8.65	0.10	13.00	0.20
11.10	9.70	0.10	14.30	0.20
12.00	10.60	0.10	15.60	0.20
12.70	11.40	0.10	16.70	0.20
14.30	12.50	0.10	18.80	0.20
15.00	13.00	0.10	19.80	0.20

All lead in chamfers should be 30-40 degrees inclusive, rounded, smooth and length no less than 50% of cross section diameter of O Ring.

Axial Sealing - External Pressure



Axial Sealing - Internal Pressure



Csd	't'	+/-	'b'	+/-
1.60	1.20	0.02	2.50	0.20
1.78	1.30	0.02	2.70	0.20
2.00	1.40	0.02	3.00	0.20
2.50	1.83	0.03	3.50	0.20
2.62	1.96	0.03	3.75	0.20
3.00	2.25	0.05	4.15	0.20
3.40	2.55	0.05	4.60	0.20
3.53	2.65	0.05	4.95	0.20
4.00	3.05	0.05	5.25	0.20
4.25	3.25	0.05	5.50	0.20
4.50	3.45	0.05	5.80	0.20
5.00	3.85	0.05	6.40	0.20
5.34	4.30	0.05	7.25	0.20
5.50	4.38	0.05	7.30	0.20
5.70	4.45	0.05	7.40	0.20
6.00	4.85	0.05	7.80	0.20
6.35	5.20	0.05	8.20	0.20
6.99	5.75	0.05	9.10	0.20
8.00	6.40	0.07	10.20	0.20
8.40	6.65	0.07	10.90	0.20
9.00	7.30	0.07	11.70	0.20
9.52	7.80	0.10	12.30	0.20
10.00	8.20	0.10	13.00	0.20
11.10	9.20	0.10	14.30	0.20
12.00	10.00	0.10	15.60	0.20
12.70	10.80	0.10	16.70	0.20
14.30	12.00	0.10	19.00	0.20
15.00	12.70	0.12	21.00	0.22

The above data is for guidance only and covers general sealing duties only. Before cutting of any grooves check with our technical department giving full details and conditions of service for final confirmation.