

2. O-ring Gland Design

12 F. Groove Design for Static and Dynamic Applications when using Back-up Rings

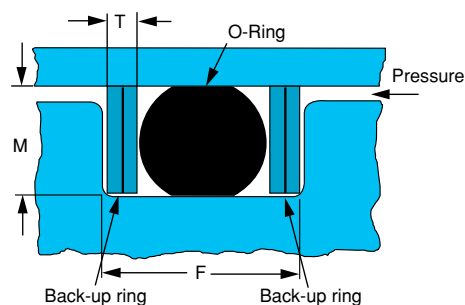


Fig 1-35

Table 3.D-2 Groove Dimensions for O-rings with Standard Spiral Wound Back-up rings.

O-ring Cross Section W		Back-up ring Thickness T		Groove Depth (incl. clearance) M		Groove Width with 1 back-up ring F		Groove Width with 2 back-up rings F	
inch	mm	inch +0/-0.001	mm +0/-0,25	inch +0/-0.002	mm +0/-0,25	inch +0.004/-0	mm +0,1/-0	inch +0.004/-0	mm +0,1/-0
.070	1,78	.059	1,5	.057	1,45	.138	3,8	.209	5,3
.103	2,62	.059	1,5	.090	2,25	.197	5,0	.256	6,5
.139	3,53	.059	1,5	.123	3,10	.244	6,2	.303	7,7
.210	5,33	.071	1,8	.188	4,70	.350	8,9	.421	10,7
.275	6,99	.102	2,6	.238	6,05	.476	12,1	.579	14,7