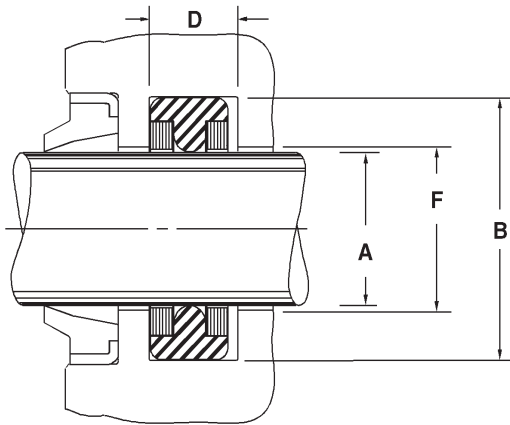


Rod T Seals



Rod T-seals were originally developed to replace o-rings, and retrofit into standard commercial o-ring grooves. This development ended two serious reliability problems:

1. Extrusion through the clearance gap.
2. Spiral or twisting failure due to instability in their groove.

T-seal back-ups are hydraulically or pneumatically driven against the dynamic surface when system pressure forces the elastomer into the space beneath the back-up. This immediate response to pressure makes them very effective wipers, keeping contaminants away from the sealing line.

Standard material for our T-seals is 75 durometer nitrile with moly-filled nylon back-up rings. Other materials are available upon request.

Temperature: -40 to +225 degrees F.

Pressure: 0 to 5,000 PSI

For piston T-seals, see piston seal section.

Part No.	Nominal Size			Rod Dia. A	Groove Dia. B	Groove Length D	Clearance Dia. F	Price
	I.D.	O.D.	Width					
				$[\pm.001]$	$[\begin{smallmatrix} +.000 \\ -.002 \end{smallmatrix}]$	$[\begin{smallmatrix} +.005 \\ -.000 \end{smallmatrix}]$	$[\pm.001]$	
TR001	3/16	3/8	5/32	0.186	0.370	0.150	0.189	\$ 3.86
TR002	1/4	7/16	5/32	0.248	0.433	0.150	0.251	\$ 3.94
TR003	5/16	1/2	5/32	0.310	0.495	0.150	0.313	\$ 4.01
TR004	3/8	5/8	3/16	0.373	0.618	0.185	0.376	\$ 4.13
TR005	7/16	11/16	3/16	0.435	0.680	0.185	0.438	\$ 4.20
TR006	1/2	3/4	3/16	0.498	0.743	0.185	0.501	\$ 4.27
TR007	9/16	13/16	3/16	0.560	0.805	0.185	0.563	\$ 4.41
TR008	5/8	7/8	3/16	0.623	0.868	0.185	0.626	\$ 4.48
TR009	11/16	15/16	3/16	0.685	0.930	0.185	0.688	\$ 4.55
TR010	3/4	1	3/16	0.747	0.992	0.185	0.750	\$ 4.62
TR011	13/16	1-1/16	3/16	0.809	1.054	0.185	0.812	\$ 4.83
TR012	7/8	1-1/8	3/16	0.872	1.117	0.185	0.875	\$ 4.95
TR013	15/16	1-3/16	3/16	0.934	1.179	0.185	0.937	\$ 5.08
TR014	1	1-1/4	3/16	0.997	1.242	0.185	1.000	\$ 5.23
TR015	1-1/16	1-5/16	3/16	1.059	1.304	0.185	1.062	\$ 5.40
TR016	1-1/8	1-3/8	3/16	1.122	1.367	0.185	1.125	\$ 5.63
TR017	1-3/16	1-7/16	3/16	1.184	1.429	0.185	1.187	\$ 5.83
TR018	1-1/4	1-1/2	3/16	1.247	1.492	0.185	1.250	\$ 5.98
TR019	1-5/16	1-9/16	3/16	1.309	1.554	0.185	1.312	\$ 6.23
TR020	1-3/8	1-5/8	3/16	1.372	1.617	0.185	1.375	\$ 6.45
TR021	1-7/16	1-11/16	3/16	1.434	1.679	0.185	1.437	\$ 6.85
TR022	1-1/2	1-3/4	3/16	1.497	1.742	0.185	1.500	\$ 7.34
TR023	1-1/2	1-7/8	9/32	1.497	1.871	0.280	1.500	\$ 7.80
TR024	1-5/8	2	9/32	1.622	1.996	0.280	1.625	\$ 8.41
TR025	1-3/4	2-1/8	9/32	1.747	2.121	0.280	1.750	\$ 8.83
TR026	1-7/8	2-1/4	9/32	1.872	2.246	0.280	1.875	\$ 9.36
TR027	2	2-3/8	9/32	1.997	2.371	0.280	2.000	\$ 9.84
TR028	2-1/8	2-1/2	9/32	2.122	2.496	0.280	2.125	\$ 10.38
TR029	2-1/4	2-5/8	9/32	2.247	2.613	0.280	2.250	\$ 10.85
				$[\pm.002]$	$[\begin{smallmatrix} +.001 \\ -.003 \end{smallmatrix}]$		$[\pm.002]$	
TR030	2-3/8	2-3/4	9/32	2.372	2.746	0.280	2.377	\$ 11.40
TR031	2-1/2	2-7/8	9/32	2.497	2.871	0.280	2.502	\$ 11.88
TR032	2-5/8	3	9/32	2.622	2.996	0.280	2.627	\$ 12.21
TR033	2-3/4	3-1/8	9/32	2.747	3.121	0.280	2.752	\$ 12.89
TR034	2-7/8	3-1/4	9/32	2.872	3.246	0.280	2.877	\$ 15.00
TR035	3	3-3/8	9/32	2.996	3.370	0.280	3.001	\$ 15.16

Part No.	Nominal Size			Rod Dia. A	Groove Dia. B	Groove Length D	Clearance Dia. F	Price
	I.D.	O.D.	Width					
				$[\pm.002]$	$[\begin{smallmatrix} +.000 \\ -.003 \end{smallmatrix}]$	$[\begin{smallmatrix} +.005 \\ -.000 \end{smallmatrix}]$	$[\pm.002]$	
TR036	3-1/8	3-1/2	9/32	3.121	3.495	0.280	3.126	\$ 15.61
TR037	3-1/4	3-5/8	9/32	3.246	3.620	0.280	3.251	\$ 16.97
TR038	3-3/8	3-3/4	9/32	3.371	3.746	0.280	3.376	\$ 17.63
TR039	3-1/2	3-7/8	9/32	3.496	3.870	0.280	3.501	\$ 19.00
TR040	3-5/8	4	9/32	3.621	3.995	0.280	3.626	\$ 19.69
TR041	3-3/4	4-1/8	9/32	3.746	4.120	0.280	3.751	\$ 21.03
TR042	3-7/8	4-1/4	9/32	3.871	4.245	0.280	3.876	\$ 21.71
TR043	4	4-3/8	9/32	3.996	4.370	0.280	4.001	\$ 23.06
TR044	4-1/8	4-1/2	9/32	4.121	4.495	0.280	4.126	\$ 24.43
TR045	4-1/4	4-5/8	9/32	4.246	4.620	0.280	4.251	\$ 25.11
TR046	4-3/8	4-3/4	9/32	4.371	4.745	0.280	4.376	\$ 26.47
TR047	4-1/2	4-7/8	9/32	4.496	4.870	0.280	4.501	\$ 28.50
TR048	5	5-1/2	3/8	4.996	5.475	0.366	5.001	\$ 35.98
TR049	5-1/4	5-3/4	3/8	5.246	5.725	0.366	5.251	\$ 38.68
TR050	5-1/2	6	3/8	5.496	5.975	0.366	5.501	\$ 40.71
TR051	5-5/8	6-1/8	3/8	5.621	6.100	0.366	5.626	\$ 42.07
				$[\pm.003]$	$[\begin{smallmatrix} +.002 \\ -.004 \end{smallmatrix}]$		$[\pm.003]$	
TR052	6	6-1/2	3/8	5.996	6.475	0.366	6.003	\$ 45.47
TR053	6-1/4	6-3/4	3/8	6.246	6.725	0.366	6.253	\$ 47.50
TR054	6-1/2	7	3/8	6.496	6.975	0.366	6.503	\$ 48.85
TR055	6-3/4	7-1/4	3/8	6.746	7.225	0.366	6.753	\$ 50.95
TR056	7	7-1/2	3/8	6.996	7.475	0.366	7.003	\$ 52.92
TR057	7-1/4	7-3/4	3/8	7.246	7.725	0.366	7.253	\$ 54.97
TR058	7-1/2	8	3/8	7.500	7.984	0.366	7.507	\$ 56.32
TR059	8	8-1/2	3/8	7.996	8.475	0.366	8.003	\$ 65.14
TR060	9	9-1/2	3/8	8.996	9.475	0.366	9.003	\$ 75.33
TR061	9-1/2	10	3/8	9.496	9.975	0.366	9.503	\$ 81.43
TR062	10	10-1/2	3/8	9.996	10.475	0.366	10.003	\$ 85.50
TR063	11	11-1/2	3/8	10.996	11.475	0.366	11.003	\$ 108.49