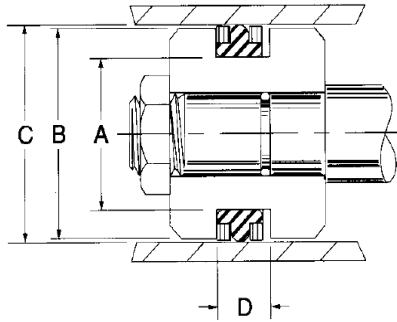


Pressure Seals, Inc.

Phone: (877)-PSI-SEAL Toll Free
Thousands of Seals, O-Rings, and U-Cups
World-Class Service since 1976!



Piston T Seals



Piston T-seals were originally developed to replace o-rings, and retrofit into standard commercial o-ring grooves. This development ended two series reliability problems: 1. Extrusion through the clearance gap, and, 2. Spiral or twisting failure due to instability in their groove. T-seals' 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 range for standard material is -40 to +225 degrees F.

Industrial piston T-seals are also available to fit one and two back-up o-ring grooves. Please refer to wide base T-seals in this section.

Part Number	Nominal Size			C Bore Dia.	A Groove Dia.	D Groove Length	B Piston Dia.	Price
	O.D.	I.D.	Width					
TP001	3/8	3/16	3/32	±.001	+0.002 -.000	+0.005 -.000	±.001	
TP002	7/16	1/47	3/32	0.437	0.252	0.150	0.433	
TP003	1/2	5/16	3/32	0.500	0.315	0.150	0.496	
TP004	9/16	5/16	1/8	0.563	0.317	0.185	0.558	
TP005	5/8	3/8	1/8	0.625	0.380	0.185	0.621	
TP006	11/16	7/16	1/8	0.687	0.442	0.185	0.683	
TP007	¾	¾	1/8	0.750	0.505	0.185	0.746	
TP008	13/16	9/16	1/8	0.812	0.567	0.185	0.808	
TP009	7/8	5/8	1/8	0.875	0.630	0.185	0.871	
TP010	15/15	11/16	1/8	0.937	0.692	0.185	0.933	
TP011	1	¾	1/8	1.001	0.756	0.185	0.997	
TP012	1 1/16	13/16	1/8	1.063	0.818	0.185	1.059	
TP013	1 1/8	7/8	1/8	1.126	0.881	0.185	1.122	
TP014	1 3/16	15/16	1/8	1.188	0.943	0.185	1.184	
TP015	1 ¼	1	1/8	1.251	1.006	0.185	1.247	
TP016	1 5/16	1 1/16	1/8	1.313	1.068	0.185	1.309	
TP017	1 3/8	1 1/8	1/8	1.376	1.131	0.185	1.372	
TP018	1 7/16	1 3/16	1/8	1.438	1.193	0.185	1.434	
TP019	1 1/2	1 ¼	1/8	1.501	1.256	0.185	1.497	
TP020	1 9/16	1 5/16	1/8	1.563	1.318	0.185	1.559	
TP021	1 5/8	1 3/8	1/8	1.626	1.381	0.185	1.622	
TP022	1 ¾	1 ½	1/8	1.751	1.506	0.185	1.747	
TP023	1 7/8	1 ½	3/16	1.876	1.502	0.280	1.872	
TP024	2	1 5/8	3/16	2.001	1.627	0.280	1.997	
TP025	2 1/8	1 ¾	3/16	2.126	1.752	0.280	2.122	
TP026	2 ¼	1 7/8	3/16	2.251	1.877	0.280	2.247	
TP027	2 3/8	2	3/16	2.376	2.002	0.280	2.372	
TP028	2 ½	2 1/8	3/16	2.501	2.127	0.280	2.497	
TP029	2 5/8	2 ¼	3/16	2.626	2.252	0.280	2.620	
				±.002	+0.003 -.001		±.002	
TP030	2 ¾	2 3/8	3/16	2.751	2.377	0.280	2.745	
TP031	2 7/8	2 ½	3/16	2.876	2.502	0.280	2.870	
TP032	3	2 5/8	3/16	3.001	2.627	0.280	2.995	
TP033	3 1/8	2 ¾	3/16	3.126	2.752	0.280	3.120	
TP034	3 ¼	2 7/8	3/16	3.251	2.877	0.280	3.245	
TP035	3 ½	3 1/8	3/16	3.502	3.128	0.280	3.496	
				±.002	+0.003 -.001	+0.005 -.001	±.002	
036	3 5/8	3 ¼	3/16	3.627	3.253	2.800	3.621	

Part Number	Nominal Size			C Bore Dia.	A Groove Dia.	D Groove Length	B Piston Dia.	Price
	O.D.	I.D.	Width					
TP037	3 ¾	3 3/8	3/16	3.752	3.378	0.280	3.746	
TP038	3 7/8	3 ½	3/16	3.877	3.503	0.280	3.871	
TP039	4	3 5/8	3/16	4.002	3.628	0.280	3.996	
TP040	4 1/8	3 ¾	3/16	4.127	3.753	0.280	4.121	
TP041	4 ¼	3 7/8	3/16	4.252	3.878	0.280	4.246	
TP042	4 3/8	4	3/16	4.377	4.003	0.280	4.371	
TP043	4 ½	4 1/8	3/16	4.502	4.128	0.280	4.496	
TP044	4 5/8	4 1/4	3/16	4.627	4.253	0.280	4.621	
TP045	4 ¾	4 3/8	3/16	4.752	4.378	0.280	4.746	
TP046	4 7/8	4 ½	3/16	4.877	4.503	0.280	4.871	
TP047	5	4 5/8	3/16	5.003	4.629	0.280	4.997	
TP048	5 1/8	4 5/8	1/4	5.128	4.649	0.366	5.122	
TP049	5 ¼	4 ¾	1/4	5.253	4.774	0.366	5.247	
TP050	5 3/8	4 7/8	1/4	5.378	4.884	0.366	5.372	
TP051	5 ½	5	1/4	5.503	5.024	0.366	5.497	
TP052	5 5/8	5 1/8	1/4	5.628	5.149	0.366	5.622	
TP053	5 ¾	5 ¼	1/4	5.753	5.274	0.366	5.747	
TP054	5 7/8	5 3/8	1/4	5.878	5.399	0.366	5.874	
TP055	6	5 ½	1/4	6.003	5.524	0.366	5.997	
TP056	6 1/8	5 5/8	1/4	6.128	5.649	0.366	6.122	
TP057	6 ¼	5 ¾	1/4	6.253	5.774	0.366	6.247	
				±.003	+0.004 -.002		±.003	
TP058	6 ½	6	1/4	6.503	6.024	0.366	6.495	
TP059	6 ¾	6 ¼	1/4	6.753	6.274	0.366	6.745	
TP060	7	6 ½	1/4	7.003	6.524	0.366	6.995	
TP061	7 ¼	6 ¾	1/4	7.253	6.774	0.366	7.245	
TP062	7 ½	7	1/4	7.503	7.024	0.366	7.495	
TP063	7 ¾	7 ¼	1/4	7.753	7.274	0.366	7.745	
TP064	8	7 ½	1/4	8.003	7.524	0.366	7.995	
TP065	8 ¼	7 ¾	1/4	8.253	7.774	0.366	8.245	
TP066	8 ½	8	1/4	8.503	8.024	0.366	8.495	
TP067	9	8 ½	1/4	9.003	8.524	0.366	98.995	
TP068	9 ¼	9	1/4	9.503	9.024	0.366	9.495	
TP069	10	9 ½	1/4	10.003	9.524	0.366	9.995	
TP070	10 ½	10	1/4	10.503	10.024	0.366	10.495	
TP071	11	10 ½	1/4	11.003	10.524	0.366	10.995	
TP072	11 ¼	11	1/4	11.503	11.024	0.366	11.495	
TP073	12	11 1/2	1/4	12.003	11.524	0.366	11.995	

Pressure Seals Inc. 81 Commerce Way, South Windsor, CT 06074

Phone: (877)-PSI-SEAL Toll Free, In CT: (860) 282-9100, Fax: (860) 282-9001