

The T-Seal is compact and provides an excellent option to bulkier types of seals in a double or single acting application. It requires significantly less packing space than Vee Packings, U-Cups, or Piston Cups. The result is a compact, efficient and less costly overall component.

The T-Seal is used in reciprocating hydraulic and pneumatic equipment and in high-pressure applications. It is an excellent direct replacement for other packings (such as those in standard grooves). It fits into the same simple groove as an O-ring and eliminates rolling or spiraling, even under long stroke or dry rod conditions. It does not wedge into clearances or pinch off under motion or pressure and has good low-pressure sealing capabilities.

Because the T-Seal is supplied with a back-up on both sides of the sealing area, it functions very well in double acting applications. The back-ups are split for ease of installation.

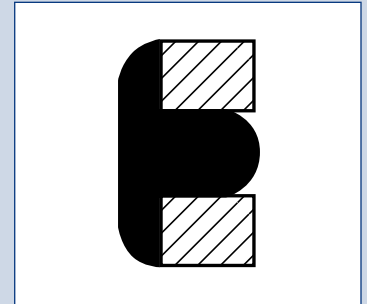
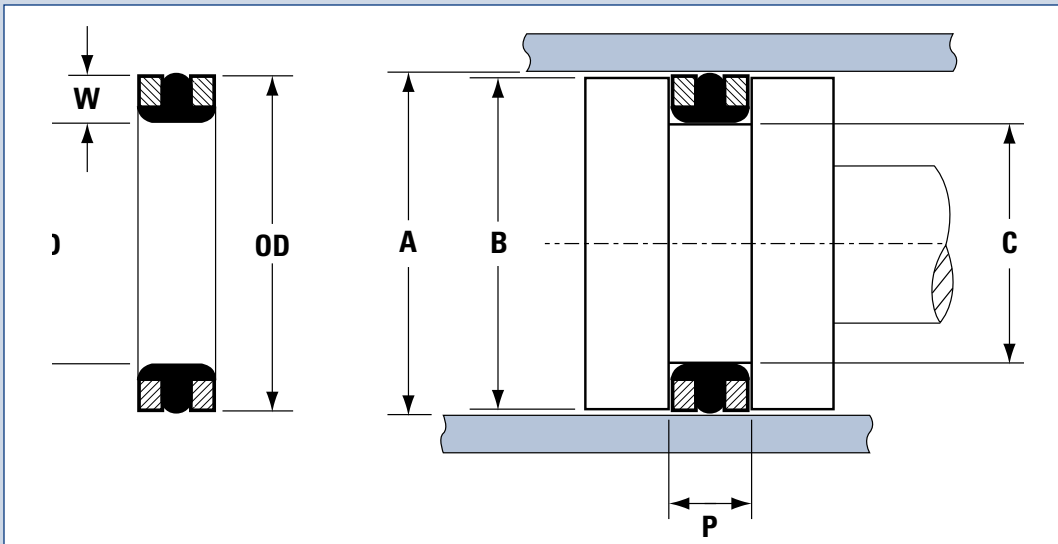
Like other similar packings, the T-Seal is compressed to eliminate low-pressure leakage. However, the back-up rings float between the T-Seal's flanges and the rod or bore,

minimizing friction and wear. When pressure is applied, a bridge is formed before extrusion can occur.

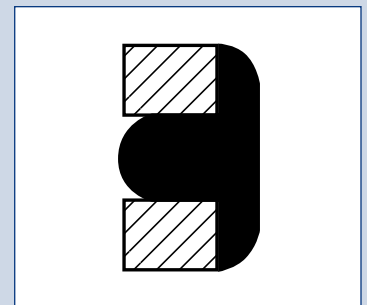
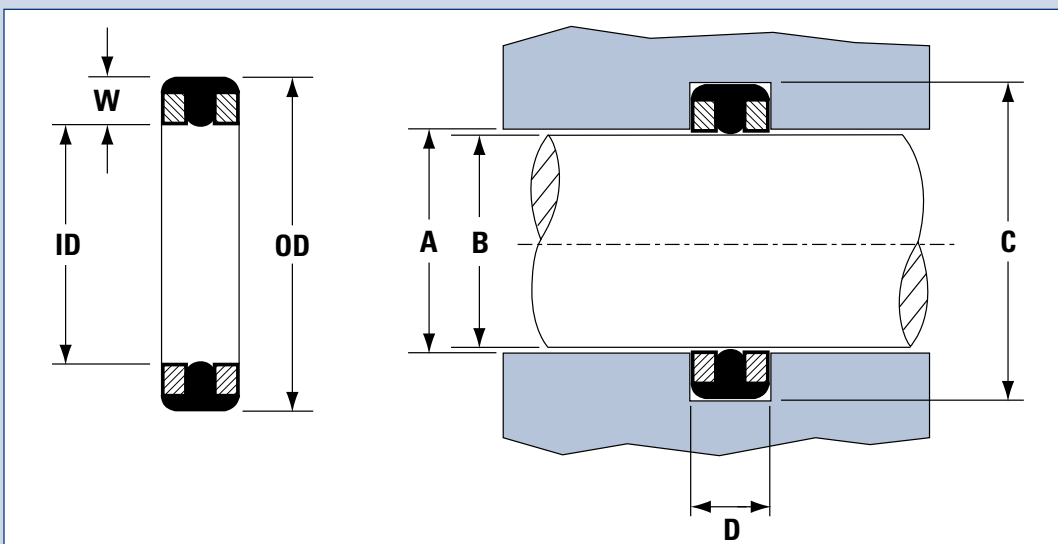
The T-Seal's back-up utilizes hydraulic pressure to keep it in contact with the rod or cylinder wall. This prevents extrusion from occurring.

The T-Seal resists spiral failure. When piston or rod movement does occur, even under very low pressures, the design allows the back-up rings to lock the sealing element in place.

Piston TP Dimensional Data (Inches)



Rod TR Dimensional Data (Inches)



STYLE TP-SEALS

DMR Part Number	Bore Diameter	O-Ring Groove Dash Number
TP-009	7/8	-208
TP-011	1	-210
TP-012	1-1/16	-211
TP-013	1-1/8	-212
TP-014	1-3/16	-213
TP-015	1-1/4	-214
TP-016	1-5/16	-215
TP-017	1-3/8	-216
TP-018	1-7/16	-217
TP-019	1-1/2	-218
TP-021	1-5/8	-220
TP-022	1-3/4	-222
TP-023	1-7/8	-325
TP-024	2	-326
TP-025	2-1/8	-327
TP-026	2-1/4	-328
TP-027	2-3/8	-329
TP-028	2-1/2	-330
TP-029	2-5/8	-331
TP-030	2-3/4	-332
TP-031	2-7/8	-333
TP-032	3	-334
TP-033	3-1/8	-335
TP-034	3-1/4	-336
TP-035	3-1/2	-338
TP-036	3-5/8	-339
TP-037	3-3/4	-340
TP-038	3-7/8	-341
TP-039	4	-342
TP-040	4-1/8	-343
TP-041	4-1/4	-344
TP-042	4-3/8	-345
TP-043	4-1/2	-346

DMR Part Number	Bore Diameter	O-Ring Groove Dash Number
TP-045	4-3/4	-348
TP-046	4-7/8	-349
TP-047	5	-350
TP-048	5-1/8	-426
TP-049	5-1/4	-427
TP-051	5-1/2	-429
TP-053	5-3/4	-431
TP-054	5-7/8	-432
TP-055	6	-433
TP-057	6-1/4	-435
TP-058	6-1/2	-437
TP-060	7	-439
TP-062	7-1/2	-441
TP-064	8	-443
TP-065	8-1/4	-444
TP-066	8-1/2	-445
TP-067	9	-446
TP-068	9-1/2	-447
TP-069	10	-448
TP-070	10-1/2	-449
TP-071	11	-450
TP-072	11-1/2	-451
TP-073	12	-452
TP-218-WB	1-1/2	.270
TP-221	1-11/16	.170
TP-222-IB	1-3/4	.215
TP-326-IB	2	.312
TP-328-IB	2-1/4	.312
TP-328-WB	2-1/4	.405
TP-330-IB	2-1/2	.312
TP-330-WB	2-1/2	.405
TP-333-WB	2-7/8	.405
TP-334-IB	3	.312

STYLE TP-SEALS

DMR Part Number	Bore Diameter	O-Ring Groove Dash Number
TP-334-WB	3	.405
TP-338-IB	3-1/2	.312
TP-338-WB	3-1/2	.405
TP-342-WB	4	.405
TP-346-IB	4-1/2	.312
TP-346-WB	4-1/2	.405
TP-347-IB	4-5/8	.312
TP-350-WB	5	.405
TP-425-IB	5	.450
TP-425-WB	5	.550
TP-427-WB	5-1/4	.550
TP-429-IB	5-1/2	.450
TP-433-IB	6	.450
TP-433-WB	6	.550
TP-435-IB	6-1/4	.450
TP-439-IB	7	.450
TP-439-WB	7	.550
TP-443-WB	8	.550
TP-444-IB	8-1/4	.450
TP-446-IB	9	.450
TP-448-IB	10	.450
TP-450-IB	11	.450