

H&H SEAL AND PRODUCTS

Hydraulic Seals



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HHSEALPRODUCTS.COM

Hydraulic Seals

T-seals

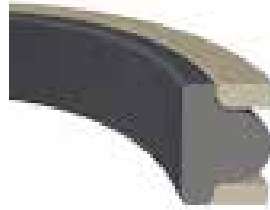
The T-seal comes in both piston (TPO) and rod (TRO) styles. Double acting seal design can be accommodated by a standard o-ring groove. The design helps prevent extrusion up to 5,000 PSI and spiraling (rolling) associated with o-rings.

T-seals are composed of a sealing element with two split back-up rings.

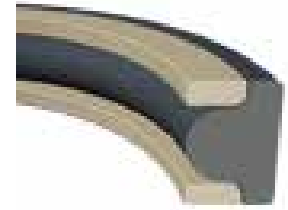
- Typical seal element materials are: Nitrile and FKM.
- Typical back-up materials are: Nylon, PTFE and PEEK.
- Nitrile - For applications with temperatures up to 250°F (Nitrile seal elements) with two Nylon or PTFE back-ups are recommended.
- FKM - When applications that require better chemical resistance and higher temperatures up to 400°F (FKM seal elements) with two PTFE or PEEK back-ups are recommended.
- PEEK - For applications with higher pressures PEEK back-up rings are recommended, in place of Nylon or PTFE back-up rings.

If you require assistance choosing the correct the seal element and back-up combination to replace an o-ring and a back-up combination, please consult sales from our Contact Us page.

Profiles



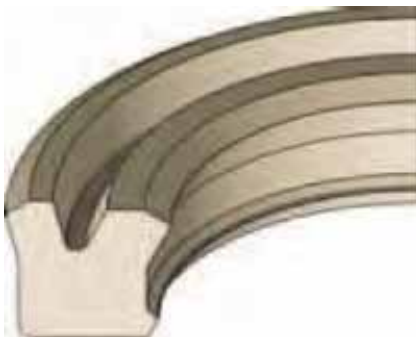
Piston (TPO)



Rod (TRO)

Rod Seals

Rod Seals, which guard against external leakage, are one of the most vital components of the sealing system. Available in plastic, rubber and PTFE delivers the highest performance in a wide variety of rod seal applications. Cutting edge technologies include multiple sealing lip systems, shock-load resistance, low friction and ultra-dry capability.



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Squeeze Seals

Symmetrical profiles are designed to act as either rod or piston seals, allowing one part to function in two applications. For hydraulic applications and the u-cups for pneumatic applications Symmetrical u-cups and squeeze seals are available in a variety of lip shapes and materials.



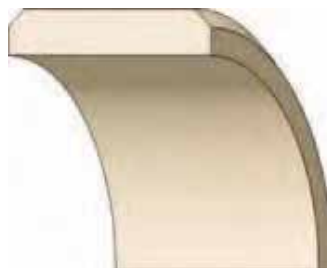
Wipers

Just as rod seals are designed to keep fluid in, wipers keep contamination out. Wipers work in conjunction with rod seals to protect a system and keeping it free from dirt, mud, water, and other contaminants.



Wear Rings and Bearings

H & H offers wear rings and bearing products to fit any application. The product offering meets the full spectrum of needs, from heavy duty hydraulic cylinders operating under the highest temperatures and pressures to pneumatic applications requiring low friction, long life and self-lubrication.



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