

We supply standard and machined seals and rings for hydraulic, pneumatic and process equipment, in rubber, polyurethane and PTFE materials.

Specification

Seal Types	O-rings, rotary shaft (oil) seals, hydraulic rod and piston seals, pneumatic seals, wipers / scrapers, back-up rings, guide rings and wear bands, V-ring packings
Size Range	Standard metric and inch sizes; non-standard sizes machined from tube stock
Supply	Stock sizes, kits, or CNC-machined to drawing or sample

Material Guide (typical)

Material	Temp. °C	Suited To	Avoid With
NBR (nitrile)	-30 to +100	Mineral oils, fuels, water, grease	Ozone, ketones, strong acids
EPDM	-40 to +130	Water, steam, brake fluid, weathering	Mineral oils and fuels
FKM (Viton-type)	-20 to +200	Hot oils, fuels, many chemicals	Hot water / steam, ketones
Silicone	-60 to +200	Food, high and low temperature	Steam, oils (low strength)
PU (polyurethane)	-30 to +80	Hydraulic seals, abrasion	Hot water, strong acids
PTFE	-200 to +260	Aggressive chemicals, low friction	High-load creep without filler

How to Order

Provide dimensions (ID × CS for O-rings; shaft × housing × width for oil seals), fluid, temperature, pressure and movement type. For PTFE gland packing, envelope gaskets and tapes, see the PTFE Technical Datasheet.

Notice: Values are typical and indicative, based on common industry grades. Exact grade, size, tolerance and performance are confirmed on quotation and against the supplier or manufacturer data and material test certificate for each batch. This sheet is not a warranty. Contact Diode Trading EST to confirm availability and specification for your application.