

Common sizes & procurement

Typical bore / rod bands and common PTFE composite selections

Bore / rod size band (mm)	Common PTFE composite product family used
≤ 25 mm	Small PTFE jacketed piston/rod rings — PTFE jackets over elastomer energizers (instrumentation/mini actuators).
25 - 80 mm	PTFE slide-ring piston seals (Turcon®/Parker PTFE piston sets) — common in mobile & industrial hydraulics for low friction.
80 - 200 mm	Heavy PTFE piston rings and composite cartridges (PTFE + elastomer energizer + anti-extrusion back-up).
> 200 mm	Large-bore PTFE slide rings & segmented PTFE seals — typically made-to-order or from vendor standard large series (Turcon/Trelleborg list very large OD ranges).