Common sizes / typical groove references

Item	Typical/specification (what buyers expect)
Standard pneumatic cylinder bore sizes (ISO 15552 series)	Common bores: 32, 40, 50, 63, 80, 100, 125, 160, 200, 250, 320 mm (ISO 15552 metric series). Buyers normally select piston seals by matching bore size and profile.
Typical working pressure for those bore sizes	Up to 10 bar (1 MPa / 145 psi) for ISO 15552 cylinders — piston seals for pneumatic service are therefore specified for this pressure range.
Typical seal cross-sections / profile family offered	Common dynamic cross-sections for piston seals and mating backup rings / O-rings: S ≈ 3–8 mm (cross-section height/value varies by profile); vendors publish specific profile sizes (e.g., CT, SL, P5, U-cup families). Example: Parker EPS catalogs list CT/SL profiles and gland tables; aftermarket sellers show U-cup cross-sections 4mm/5mm/6mm etc.
Groove / gland dimensions reference (how to get exact numbers)	Use manufacturer catalogue/gland table (e.g., Parker EPS 5371, Parker O-Ring Handbook provides floating piston gland dimensions and design charts). Do not assume a universal groove depth — confirm against the seal profile drawing for the chosen part number.
how a B2B spec line appears on OEM catalogs	Format: Cylinder bore D (mm) → Seal profile code → Cross-section S (mm) → Material → Max temp / remarks. Example: “Ø50 mm — Piston seal P5B — S=5.0 mm — NBR/PA — temp −20…+80 °C”.
Typical replacement / stocked SKUs scope	Many seal vendors stock metric OD/ID variants for the ISO bores above, and also sell seal kits for standard cylinder families. Buyers usually request bore size + cylinder series + seal profile or OEM part number.