

Common sizes / specification

B-1 — Common O-ring examples (AS568 / ISO 3601) — typical stocked sizes

Standard	Dash / code	ID (inch / mm)	CS / cross-section (inch / mm)	Typical procurement use
AS568	-214	0.875 in (22.225 mm)	0.070 in (1.78 mm)	Small hydraulic ports, fittings
AS568	-112	0.250 in (6.35 mm)	0.070 in (1.78 mm)	Valves, small glands
ISO 3601	25 × 3.55 (class A)	ID 25.00 mm	CS 3.55 mm	Metric pump/valve gland seals
ISO 3601	50 × 5.33	ID 50.00 mm	CS 5.33 mm	Larger flanges, cylinder gland statics

B-2 — Common hydraulic elastomeric seal profile sizing

Bore / Rod size band (mm)	Common seal family used	Typical notes / where to pick part
≤ 25 mm	Small U-cups / compact piston/rod seals (miniature PU / NBR)	Instrumentation, small actuators — check ISO 3320 bore series and Trelleborg small-seal tables.
25 - 100 mm	Standard U-cups (rod & piston), elastomeric double-acting seals (MD-L / BP style equivalents)	Most mobile & industrial cylinders — use Parker / SKF / Trelleborg profile selectors by bore and pressure.
100 - 250 mm	Heavy duty composite piston seals, PTFE-jacketed elastomer seals	Large industrial cylinders — often require guide rings and backup rings; check catalogue for groove dims.
> 250 mm	Custom / segmented seals or OEM cartridge solutions	Many vendors supply made-to-order or modular cartridge seals for very large bores.