

Common sizes & specification examples

A. Representative cartridge single-seal size coverage

Nominal shaft size	Common catalogue range / note
1.000" - 5.000" (≈ 24 mm - 125 mm)	AESSEAL CURC / CSS product families are inventoried in this range as standard.
Up to 12.000" (≈ 300 mm)	Many cartridge families offer extended sizes (made-to-order or upper-stock ranges up to ~ 300 mm). Verify with vendor.
ANSI / big-bore variants	Cartex / Cartex-ANSI models include dedicated variants for ANSI pumps and big-bore chambers.

B. Representative component single-seal

Example nominal shaft (d)	Typical face pair / construction
≈ 12 mm (0.5")	Small component single seals (carbon vs SiC, elastomer bellows options) — used in small pumps and motors.
≈ 25 mm (1.0") - 50 mm (2.0")	Very common service sizes for general centrifugal pumps; available as component sets or cartridges (balanced/unbalanced).
≈ 75 mm - 125 mm (3" - 5")	Medium to large process pumps; cartridges preferred for easier fitment and alignment.
>125 mm (custom / OEM)	Large bore and API-type pumps typically require OEM/cartridge or custom machined seats and assembled cartridges.