

Product Parameters — Back- to- Back Double Mechanical Seals

Parameter	Typical Back- to- Back Double Seal Specification
Seal Arrangement	Two seals arranged with faces opposing each other (“back- to- back”)
Pressure Rating (Max)	Up to 15 bar (standard range)
Temperature Range	Approx. - 20 to +220° C (standard range)
Shaft Diameter Range	25 mm to 100 mm (typical industrial range)
Seal Face Materials (Examples)	Carbon, Silicon Carbide (SiC), Tungsten Carbide
Secondary Seal Materials	Viton, EPDM, PTFE, FFKM (elastomers)
Typical Applications	Chemical, Petrochemical, Slurry, Agitators, Refineries
Arrangement Function	Primary seal prevents fluid leakage into barrier; secondary prevents barrier leakage to atmosphere