

Type A06 — Bellows seals

BENEFITS

- Longer lasting seals in demanding applications
- Affordable for mainstream use
- Tolerates dry running and poor lubricating environments
- Low friction enables the use of hard faces in thermally demanding applications
- Clog resistant single spring

APPLICATIONS

- chemical/ refining
- pharmaceutical
- power generation
- food processing
- pipeline
- pulp & paper
- water/ waste water

PRODUCT DESCRIPTION

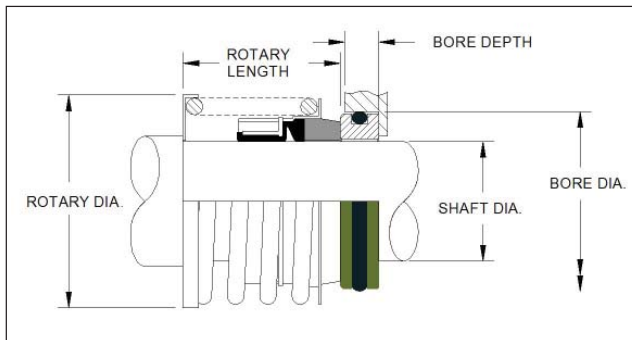
Type A06 seals are long-lasting, wear-resistant, single-spring full convoluted elastomeric bellows seals that feature a proprietary UNCD® form of diamond on the seal ring face. Single coil spring helps reduce risk of clogging. Bellows compensates for abnormal shaft movement, and helps maintain seal alignment.

DIMENSIONAL DATA

The UNCD Type A06 is offered in eight sizes to accommodate ANSI pumps with shafts of 1 - 1/8" to 2 - 1/2" diameters. Alternate sizes available upon request. All seals are supplied with a rotary head and mating ring whose general design and geometry match the drawing and table below.

SHAFT DIA. (+/-0.002)	ROTARY OD	ROTARY LENGTH	BORE DIA. (+/-0.002)	BORE DEPTH	ADT PART NUMBER
1.125	1.625	1.625	1.750	0.375	A061125 C031 122
1.375	1.875	1.687	2.000	0.375	A061375 C031 122
1.500	2.000	1.687	2.125	0.375	A061500 C031 122
1.750	2.375	2.000	2.500	0.438	A061750 C031 122
1.875	2.500	2.125	2.625	0.438	A061875 C031 122
2.000	2.625	2.125	2.750	0.438	A062000 C031 122
2.125	2.812	2.375	3.000	0.500	A062125 C031 122
2.500	3.187	2.500	3.375	0.500	A062500 C031 122

UNITS IN INCHES



MATERIALS OF CONSTRUCTION

Standard construction is 316 stainless steel and either an alpha-phase self-sintered silicon carbide or a blister resistant carbon primary ring. Mating ring is alpha-phase self-sintered SiC with UNCD Face. Bellows and o-ring elastomers are Viton®. Other material combinations are available upon request.

Primary Face: SiC or Blister Resistant Carbon

Stationary Face: SiC with UNCD Face

Metal Components: 316 Stainless Steel

Elastomers: Viton

PERFORMANCE LIMITS

- Pressure:** 400 psig (27.2 bar g)
- Temperature:** -13 F to +392 F (-25 C to 200 C)
- Pressure Velocity:** Tested to 350,000 psi.ft.min⁻¹
- Speed:** Up to 5,000 fpm (25 m/s)

MEDIA

UNCD Type A06 Seals are appropriate for industrial fluids, aqueous solutions, chemicals, corrosive liquids, high pressure liquids, lubricating fluid, hydrocarbons, and solvents.