

U700N Single Seals

Standard Mechanical Seals - Pusher Seals

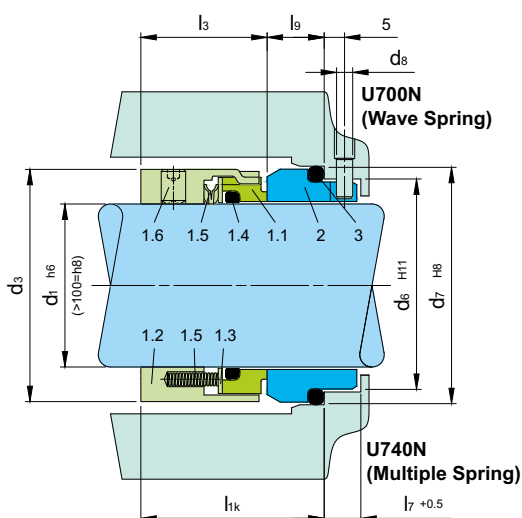


Product Description

1. Single seal configuration
2. Unbalanced design
3. Independent of direction of rotation
4. For plain shafts
5. Multiple or wave springs rotary construction
6. Pumping device available for increased efficiency in circulation
7. Sealing with FEP & Spring energized PTFE seals also available on request

Technical Features

1. Versatile torque transmission available
2. Pumping screw for media with higher viscosity also available
3. Capable of self-cleaning
4. Short installation length available on request
5. Can be employed for low solids content
6. Multifaceted application usage



Note: The item numbers as depicted above are based on our technical experience and knowledge and are placed in the chronological order of their assembly procedure.

Item	Part no.	Description
1.1	472	Seal face
1.2	485	Drive collar
1.3	474	Thrust ring
1.4	412.1	O-ring
1.5	477	Spring
1.6	904	Set screw
2	475	Seat (G9)
3	412.2	O-ring
DIN 24250		

Typical Industrial Applications

Acids	Lubricating liquid
Aqueous solutions	Marine
Caustics	Solvents
Chemicals	Water and waste water
Crystallizing fluids	
Food and beverage	
Hydrocarbons	

Performance Capabilities

Sizes	d_1 = Upto 100 mm (Upto 4.000")
Pressure	p_1 = 25 bar (363 PSI)
Temperature	t = -50 °C ...+220 °C (-58°F ...+428 °F)

Permissible Axial Movement:

d_1 up to 25 mm:	± 1.0 mm
d_1 28 up to 63 mm:	± 1.5 mm
d_1 from 65 mm:	± 2.0 mm

Standards

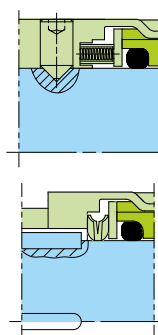
EN12756

Materials

Seal face	Special cast CrMo steel (S), Silicon carbide (Q1, Q2), Aluminium oxide (V)
Seat G9	Carbon graphite antimony impregnated (A), Carbon graphite resin impregnated (B), Silicon carbide (Q1*, Q2*)
Seat G9	Silicon carbide (Q1*, Q2*)
Seat G13	Carbon graphite antimony impregnated (A), Carbon graphite resin impregnated (B)
Secondary Seal	EPDM (E), NBR (P), FKM (V), FFKM (K)
Springs	CrNiMo steel (G)
Metal parts	CrNiMo steel (G), Duplex (G1)

*Cannot be combined with seal face made of S

Torque Transmissions



$d_1 > 100$ mm (4.000")
Torque transmission by 4 set screws with cone

Drive key
(U700S2 / U740S2)

Stationary Seats

