

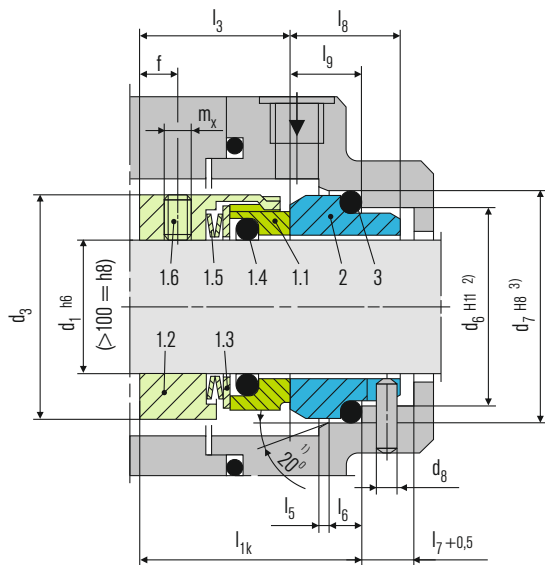


Product Description

1. Crest to Crest Wave spring or multiple springs rotating
2. For plain shafts
3. Independent of direction of rotation
4. Single seal
5. Unbalanced
6. Variant with FEP & Spring energised PTFE seals.

Technical Features

1. Flexibility in torque transmissions
2. Pumping screw for media with higher viscosity also possible
3. Self cleaning effect
4. Short installation length also possible
5. Suitable for media with low solids contents
6. Versatile application possibilities



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

- 1) $d1 > 100 \text{ mm}$: 30°
- 2) $d1 > 100 \text{ mm}$: $+0.1$

Typical Industrial Applications

Chemical industry
 Food and beverage industry
 Medias with low solid contents
 Marine applications
 Process industry
 Water and waste water technology
 Chemical standard pumps
 Gear wheel feed pumps
 Multistage pumps
 Vertical screw pumps

Performance Capabilities

Sizes: $d1 = \text{Upto } 100 \text{ mm (Upto } 4.000\text{'')}$
 Pressure: $p1 = 25 \text{ bar (363 PSI)}$
 Temperature: $t = -50 \text{ }^\circ\text{C} \dots +220 \text{ }^\circ\text{C (-58 }^\circ\text{F} \dots +428 \text{ }^\circ\text{F)}$
 Speed = 20 m/s (66 ft/s)
 Permissible axial movement:
 $d1 = \text{up to } 25 \text{ mm: } \pm 1.0 \text{ mm}$
 $d1 = 28 \text{ up to } 63 \text{ mm: } \pm 1.5 \text{ mm}$
 $d1 = \text{from } 65 \text{ mm: } \pm 2.0 \text{ mm}$

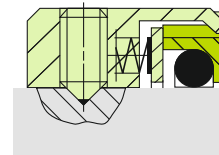
Standards

EN 12756

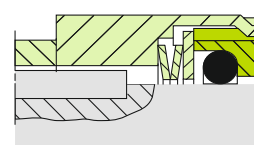
Materials

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 G6: Silicon carbide (Q1*, Q2*)
 Seat G13: Carbon graphite antimony impregnated (A), Carbon graphite resin impregnated (B)
 Secondary seals: 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

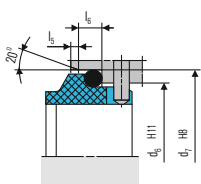


$d1 > 100 \text{ mm (4.000'')}$
 Torque transmission by 4 set screws with cone points. Offset: 90°

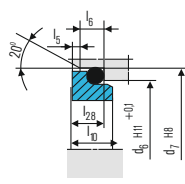


Drive key (U700S2 / U740S2)

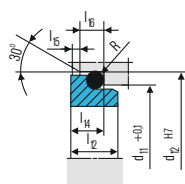
Stationary Seats



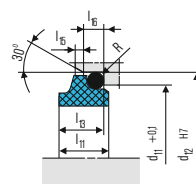
G9
(EN 12756)



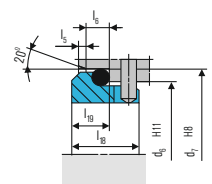
G6
(EN 12756)



G4



G13



G16
(EN 12756, but l_{1k} is shorter than specified)

