

The new benchmark: eHJ-mechanical seals for stuffing box EN 12756 (L1k)

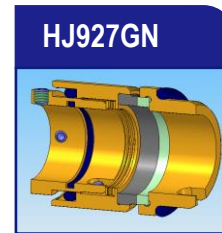
100% Compatibility with previous
HJ-type series for EN 12756 (L1k)

eHJ | Successor for stuffing box EN 12756 (L_{1k})

New: eHJ replaces all HJ sealing solutions for stuffing box EN 12756

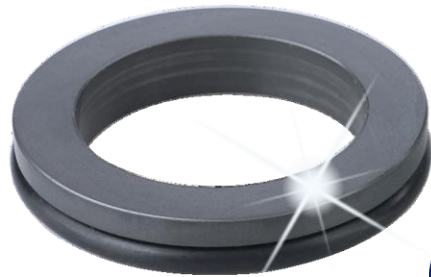


Up to now: HJ variants for EN 12756

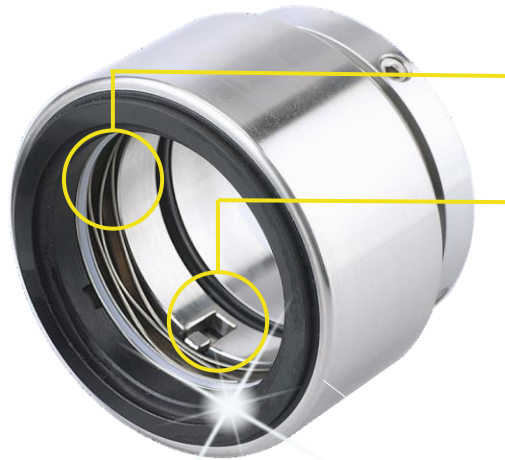


eHJ | compelling facts

- 1 **Stuffing box**
EN 12756 (L1k)
- 2 **High performance face material**
eSIC-Q7 in standard
- 3 **Massive, inserted seal faces**

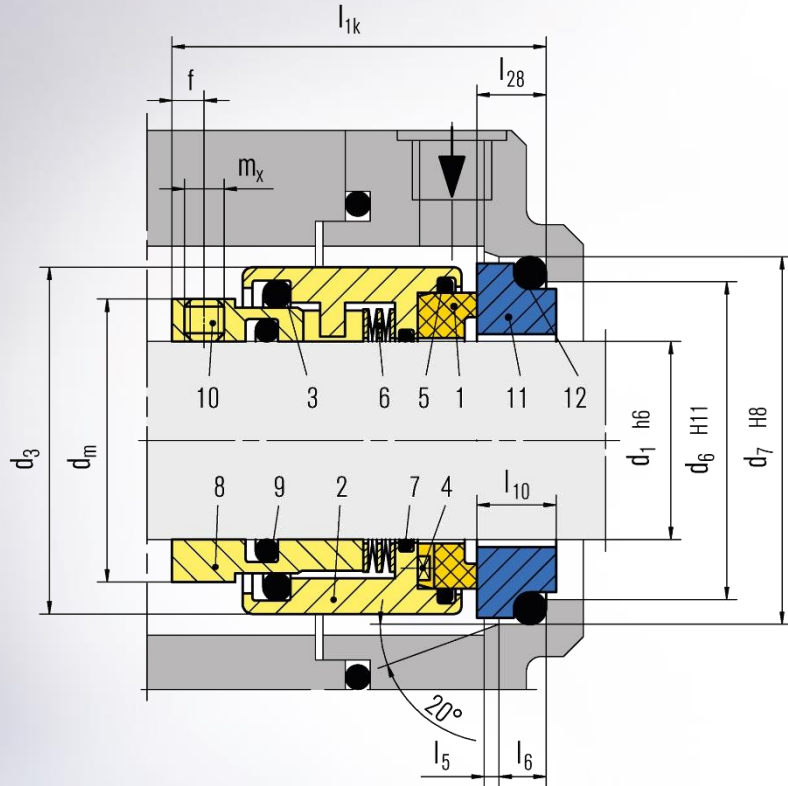


DiamondFace-coating
available



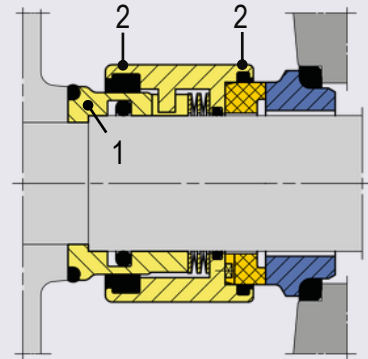
- 4 **Performance-PTFE-O-ring for**
spring protection and damping
- 5 **Planar torque transmission with**
square pins
- 6 **Extended axial movement up to**
+/- 1 mm
- 7 **Hygienic version eSHJ with form**
rings available for EN 12756 (L1k)

eHJ | Design and components



- 1 Seal face
- 2 Face housing
- 3, 5, 7, 9, 12 O-ring
- 4 Square pin
- 6 Spring
- 8 Driver
- 10 Pin
- 11 Mating ring

Variant eSHJ With hygienic driver



- 1 Driver adapted to impeller
- 2 Form rings

Materials	
Seal face	Carbon, antimony-impregnated (A), Carbon, resin-impregnated (B), Silicon carbide (eSIC-Q7)
Mating ring	G6, G60 silicon carbide (eSIC-Q7) Optionally G16 with lock against rotation (Q1)
Secondary sealing elements	E, EL, K, KL, V, V16, P
Spring	CrNiMo-steel (G)
Face Housing	CrNiMo-steel (G)
Driver	Duplex steel (G1)

Approvals*:

- WRAS
- FDA
- 3A
- KTW/UBA
- ACS
- W270
- USP-Class VI

*dependent on seal type and materials, please inquire

Technical parameters

Diameters	$d_1 = 18 \dots 100 \text{ mm}$
Pressure	$p_1^*) \text{ Vacuum} \dots 40 \text{ bar (580 PSI)}$ <small>* Axial seat stop of mating ring not required in permitted vacuum range. For longer use in vacuum conditions a quench should be used</small>
Temperature	$t = -50 \text{ °C} \dots +220 \text{ °C}$
Velocity	$v_g = 20 \text{ m/s}$
Axial movement	$d_1 = 18 \dots 25 \text{ mm: } \pm 0.5 \text{ mm}$ $d_1 = 28 \dots 55 \text{ mm: } \pm 0.8 \text{ mm}$ $d_1 = 60 \dots 100 \text{ mm: } \pm 1.0 \text{ mm}$
Stuffing box	EN 12756 (L1k)



eHJ | Excellent performance in demanding installation situations



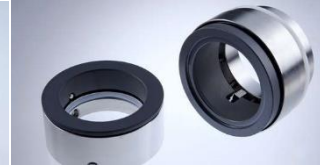
M32N / M37GN



eMG12

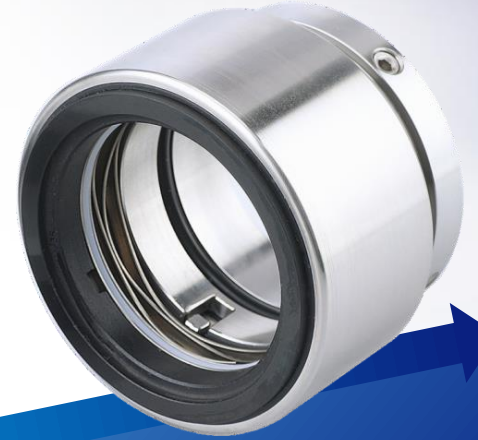


M7N



HRN

eHJ...N



Pressure, Viscosity, Solids

eHJ | universally applicable

Hervorragende
Performance
in feststoffbeladenen und
hochviskosen Medien

Typical installation situations eHJ

Water/Waste water



Potable water



Chemical industry



Pulp and paper



Hygienic applications eSHJ

Food



Mining



Power



Petrochemical industry



Metal



Pharmaceutical



Marine



Refinery



Oil and gas



Special applications



Beverage



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for your attention!
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