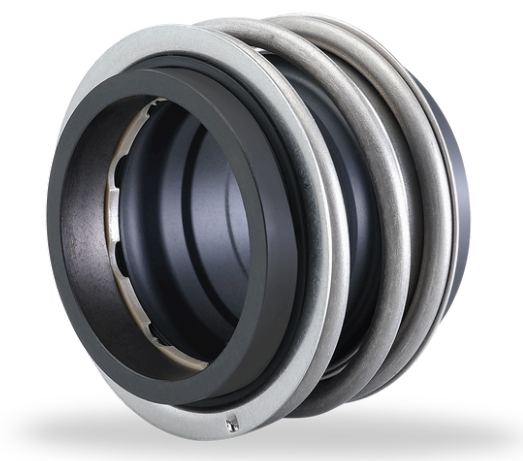
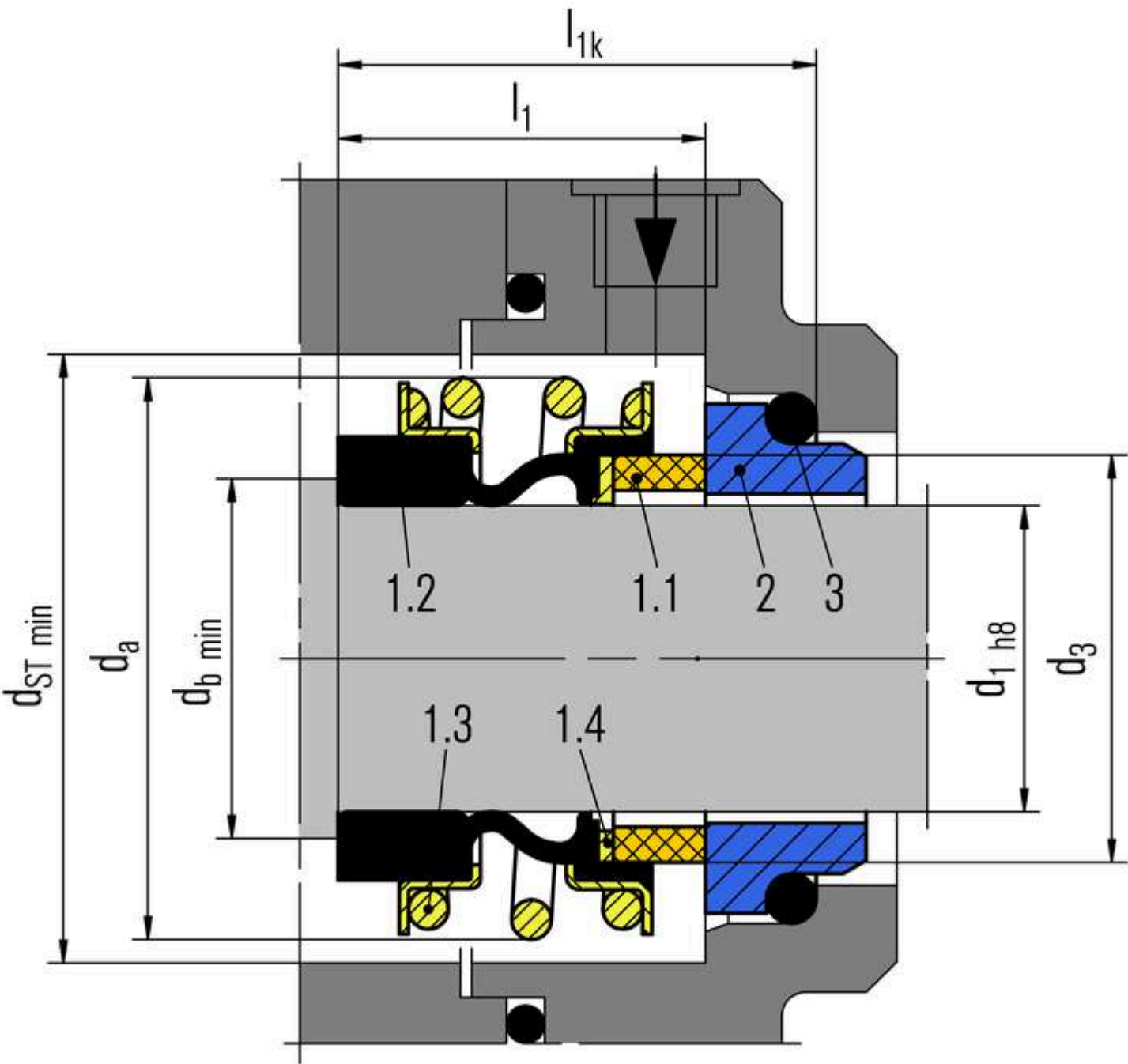


eMG12

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Request product



eMG12

ITEM	DESCRIPTION
------	-------------

1.1	Seal face
1.2	Bellows
1.3	Set of springs
1.4	PEEK-PTFE disk
2	Seat (G6)
3	O-Ring or cup rubber

eMG12

- [Seat alternatives](#)
-  [Show dimensions](#)
-  [PDF data sheet](#)

Features

- For plain shafts
- Single and dual seal
- Elastomer bellows rotating
- Balanced
- Independent of direction of rotation

Advantages

- ✓ **100 % compatible with [MG12](#)**
- ✓ Small outer diameter of bellows support (d_{bmin}) enables direct retaining ring support, or smaller spacer rings
- ✓ Optimal alignment characteristic through self-cleaning of disk/shaft
- ✓ Improved centering across entire pressure operating range
- ✓ No torsion on bellows
- ✓ Shaft protection over entire seal length
- ✓ Protection of seal face during installation due to special bellows design
- ✓ Insensitive to shaft deflections due to large axial movement ability
- ✓ Suitable for low-end sterile applications

Operating range

Shaft diameter:
 $d_1 = 14 \dots 100 \text{ mm}$ (0.55" ... 3.94")
Pressure: $p_1 = 18 \text{ bar}$ (261 PSI),
vacuum up to 0.5 bar (7.25 PSI),
up to 1 bar (14.5 PSI) with seat locking
Temperature: $t = -20 \text{ }^\circ\text{C} \dots +140 \text{ }^\circ\text{C}$
(-4 °F ... +284 °F)
Sliding velocity: $v_g = 10 \text{ m/s}$ (33 ft/s)
Admissible axial movement: $\pm 2.0 \text{ mm}$ (± 0.08 ")

Materials

Seal face: Carbon graphite antimony impregnated (A), Carbon graphite resin impregnated (B), Silicon carbide (eSiC-Q7, Q1)
Seat: Silicon carbide (eSiC-Q7, Q1)
Elastomer: NBR (P), EPDM (E), FKM (V),
HNBR (X4)
Metal parts: CrNiMo steel (G), Hastelloy® (M)

Standards and approvals

Various material approvals available
(depending on type and material combinations).
Please inquire!

- FDA
- UBA (KTW)
- ACS
- W270

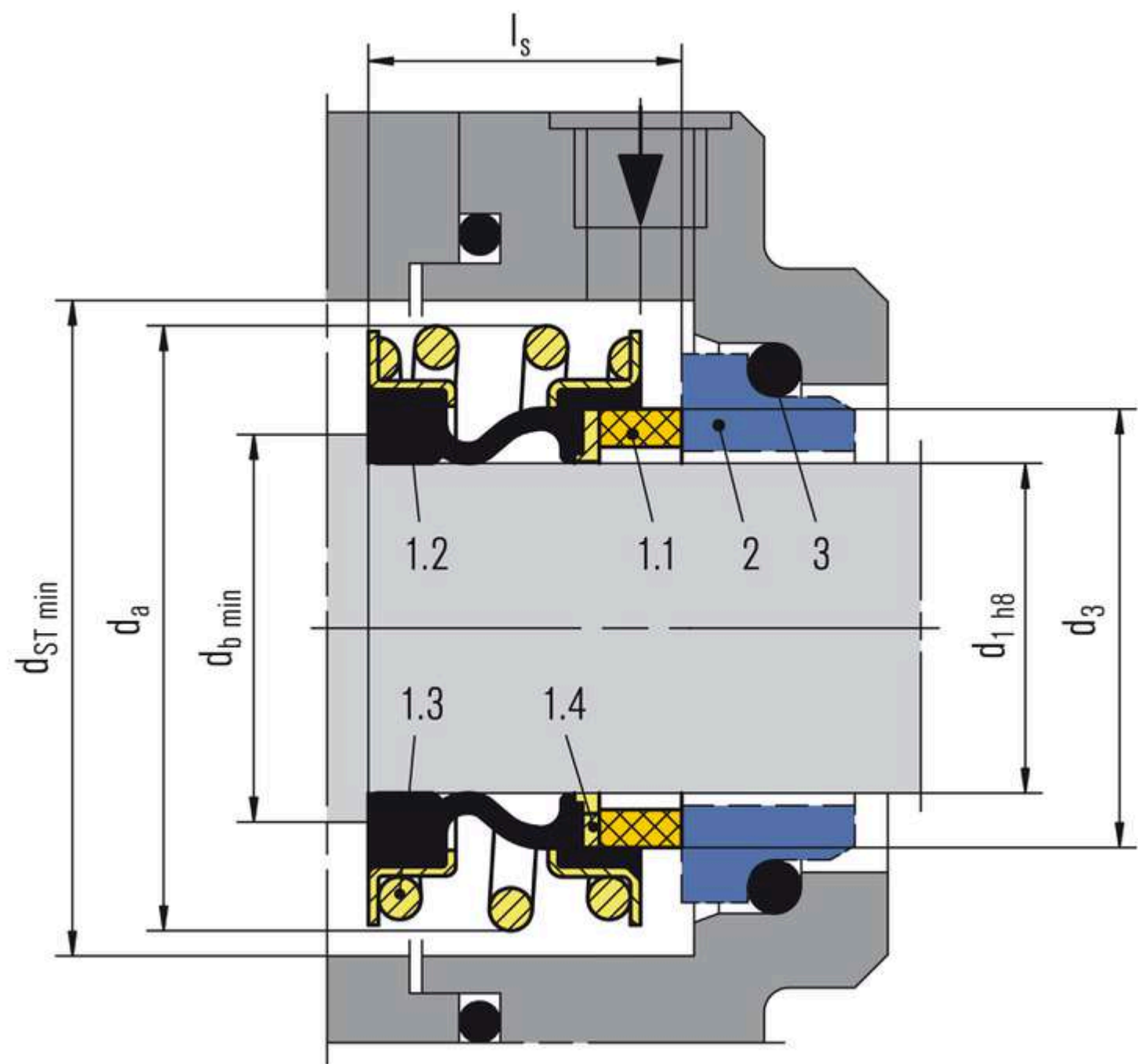
Recommended applications

- ✓ Fresh water supply
- ✓ Building services engineering
- ✓ Waste water technology
- ✓ Food and beverage industry
- ✓ Sugar production
- ✓ Pulp and paper industry
- ✓ Oil industry
- ✓ Petrochemical industry
- ✓ Chemical industry
- ✓ Water, waste water, slurries
(solids up to 5 % by weight)
- ✓ Pulp (up to 4 % otro)
- ✓ Latex
- ✓ Dairies, beverages
- ✓ Sulfide slurries
- ✓ Chemicals
- ✓ Oils
- ✓ Chemical standard pumps
- ✓ Helical screw pumps
- ✓ Stock pumps
- ✓ Circulating pumps
- ✓ Submersible pumps
- ✓ Water and waste water pumps

Notes

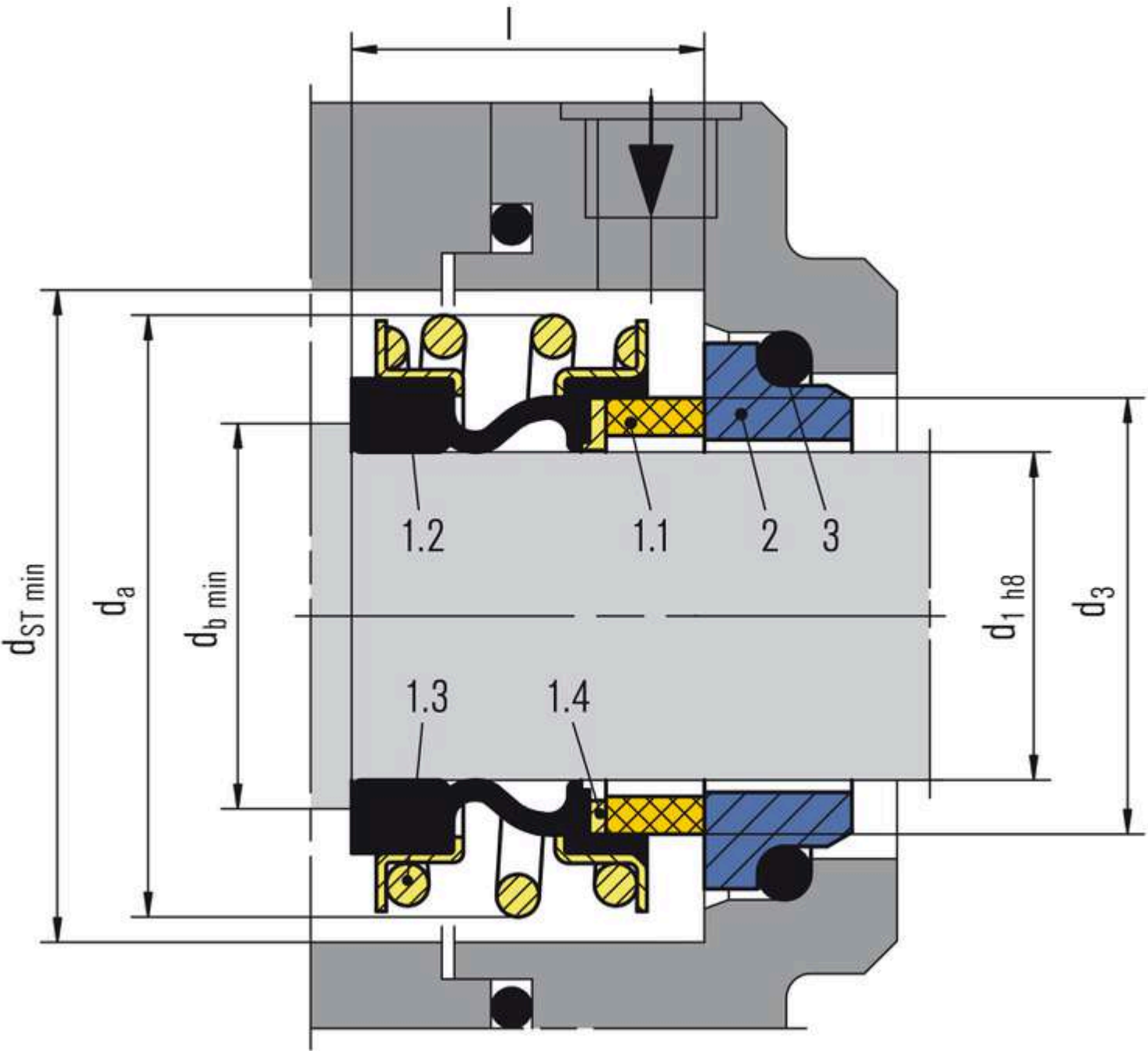
The eMG12 can also be used as a multiple seal in tandem or in a back-to-back arrangement, please inquire. Other materials and designs available on request.

Product variants



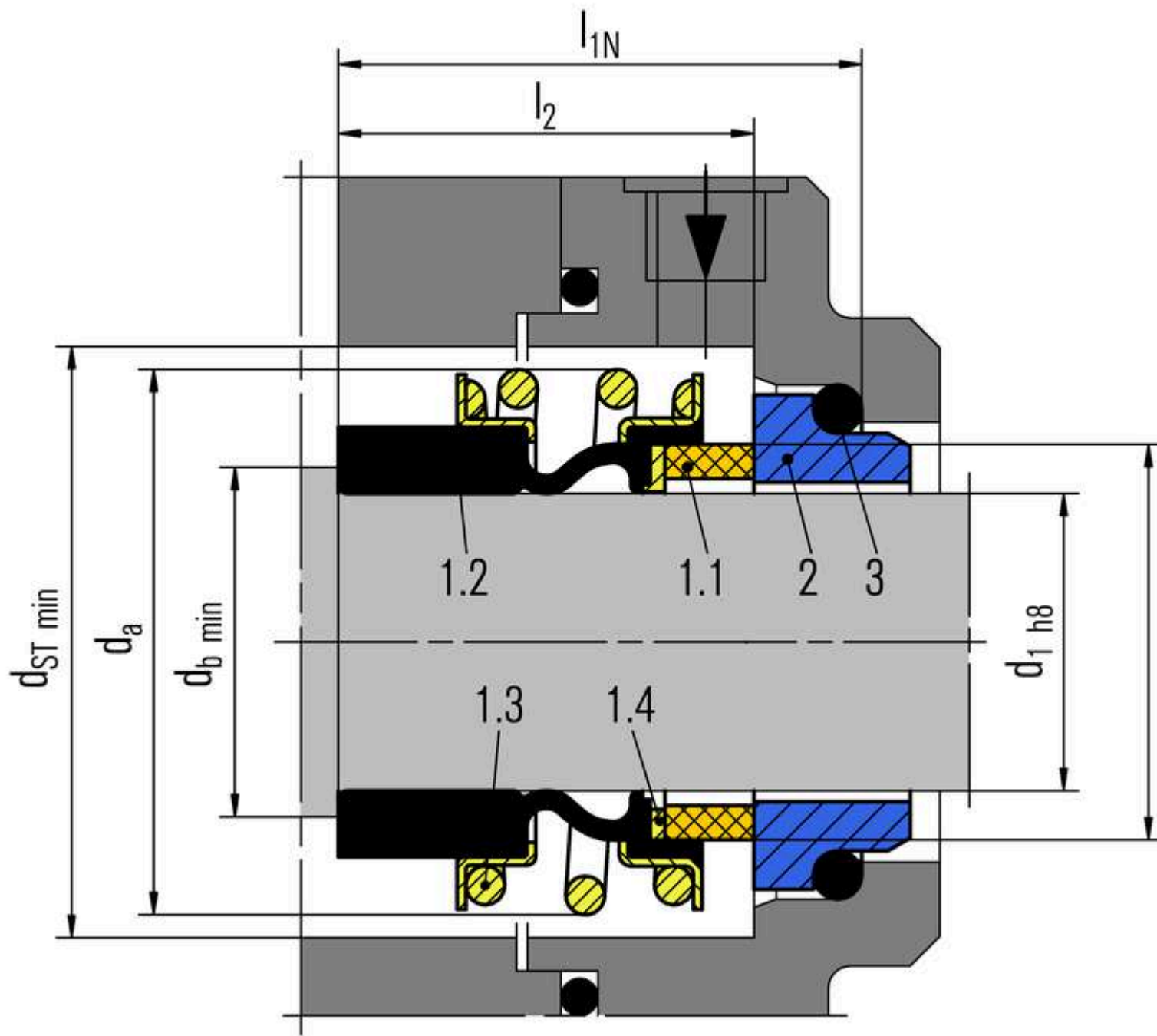
eMG

Dimensions, items and designations same as for eMG12, but with a shortened bellows tail to achieve the fitting length l_s . Shortest fitting length.



eMG1

Dimensions, items and designations same as for eMG12, but with a shortened bellows tail to achieve the fitting length l .



eMG13

Dimensions, items and designations same as for eMG12, but with an extended bellows tail to achieve the fitting length l_{1N} according to EN 12756 in combination with seat G6 or G60 (d_a exceeds EN 12756).

eRMG12

Identical to eMG12, but with a special bellows surface on the shaft side. For use in hot water pumps.

$d_1 = 14 \dots 38 \text{ mm (0.55" ... 1.50")}$

Seat G6: Silicon carbide (eSiC-Q7)

A/eSiC-Q7:

120 °C (248 °F) and 25 bar (363 PSI)

140 °C (284 °F) and 16 bar (232 PSI)

B/eSiC-Q7:

120 °C (248 °F) and 18 bar (161 PSI)

eSiC-Q7/eSiC-Q7:

120 °C (248 °F) and 18 bar (161 PSI)

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