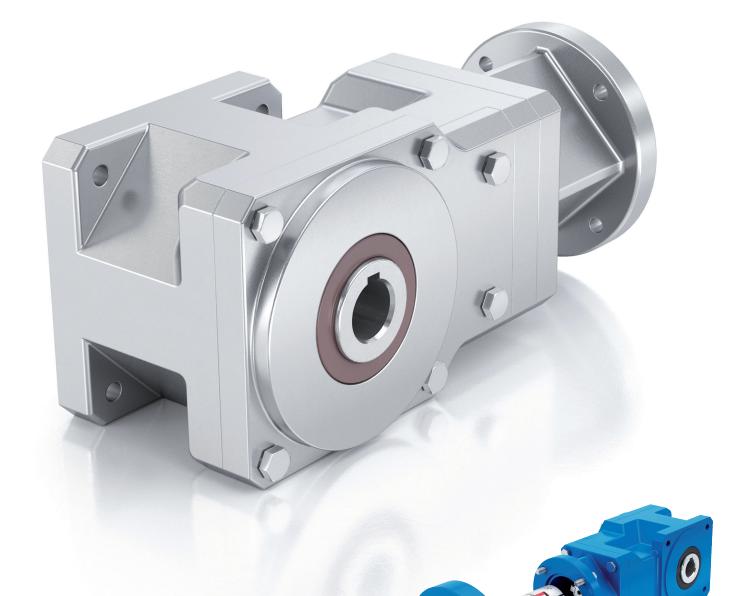


BEVEL-HELICAL GEARBOX KS210

The compact drive unit for high-dynamic applications



success based on quality and reliability

rehfuss.com

EFFICIENT, POWERFUL AND MODULAR

Bevel-helical gearbox KS210

COMPACT CONSTRUCTION

weight-optimized construction, guarantees stability and robustness

TORSIONAL STIFF SERVO-MOTOR COUPLING

Enables an optimum connection to servo-motors and operation in highly dynamic applications.

> **EXTERNAL STAINLESS STEEL SCREWS**

For better cleaning.

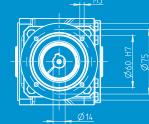
MODULAR EXCHANGEABLE FLANGE SYSTEM

adaptable with all common servomotors

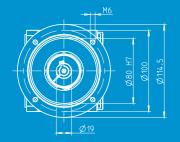


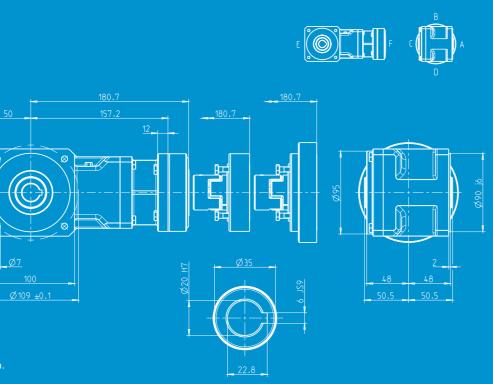


Possibility1



Possibility 3





OPTIONS (excerpt)





Hollow shaft with shrink disc Stainless steel hood for covering hollow shaft

SMOOTH HOUSING SURFACES

For particularly high demands on surface quality or wash-down-applications.

SQUARE FLANGE

Offers universal mounting positions.

SYMMETRICAL **INLINE-CASE** CONSTRUCTION

Enables the universal mounting of the drive unit in all positions.

CENTERING

Attachment without flange by simple attachment to the outer centering of the housing.









MODULAR SYSTEM



HIGH PROTECTION CLASS

Technical data

| i | TN | TB | TS | 10 ⁻⁴ ر |
|------|------|------|------|--------------------|
| | [Nm] | [Nm] | [Nm] | [kgm²] |
| 4:1 | 24 | 31 | 43 | 1.9 |
| 6:1 | 36 | 48 | 70 | 1.7 |
| 8:1 | 45 | 58 | 81 | 1.6 |
| 10:1 | 36 | 48 | 70 | 1.4 |
| 12:1 | 36 | 48 | 70 | 1.3 |
| 14:1 | 36 | 48 | 70 | 1.3 |
| 15:1 | 45 | 58 | 81 | 1.4 |
| 18:1 | 45 | 58 | 81 | 1.3 |
| 20:1 | 60 | 70 | 85 | 1.3 |
| 21:1 | 45 | 58 | 81 | 1.3 |
| 24:1 | 60 | 70 | 85 | 1.3 |
| 28:1 | 60 | 70 | 85 | 1.3 |

| Circumferential backlash | < 6 arcmin | |
|---|----------------------|--|
| Weight | approx. 4.55 kg | |
| Efficiency at full load | 92 % | |
| Radial force at n ₂ = 200 1/min, Lifetime bearing > 20.000 hours (reinforced bearing) | 2,200 N | |
| Nominal input speed / max. input speed – permissible operation temperature must not be exceeded | 3,000 1/min | |
| Lifetime | > 30,000 h | |
| Lubricant | Lifetime lubrication | |
| Protection class | IP65 | |
| Mounting position | universal | |
| Permissible operation temperature | -20°C to +90°C | |

 $\frac{TN}{TS} = Nominal torque \mid TB = Max. acceleration torque \\ \frac{TS}{TS} = Emergency shut-off moment max. 500 times \mid J = Mass moment of inertia$

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