

### Input data

|                       |       |                             |
|-----------------------|-------|-----------------------------|
| System of measurement |       | Metric                      |
| Input type            |       | Coupling for electric motor |
| Input speed           | [rpm] | 1400                        |
| Output speed          | [rpm] | 17.5                        |
| Ratio (i=)            |       | 80                          |
| Frequency             | [Hz]  | 50                          |
| Input options         |       | IEC                         |
| Requested input power | [kW]  | 2.2                         |
| Service factor        |       | 1.1                         |
| Rated Power P1        | [kW]  | 2.36                        |

### Output data

#### Gear unit F RS 130 PC 80 100 B14 AC 48 B3

|                     |                     |                          |
|---------------------|---------------------|--------------------------|
| Type                |                     | RS - Worm speed reducers |
| Input type          |                     | F                        |
| Size                |                     | 130                      |
| Ratio (i=)          |                     | 80                       |
| Input flange        |                     | B14                      |
| Mounting position   |                     | B3                       |
| Input speed         | [rpm]               | 1400                     |
| Output speed        | [rpm]               | 17.5                     |
| Rated output torque | [Nm]                | 756.36                   |
| Service Factor      |                     | 1.1                      |
| Efficiency          |                     | 0.63                     |
| Inertia moment      | [kgm <sup>2</sup> ] | 0.002656                 |

#### Gear unit configuration

|              |                     |
|--------------|---------------------|
| Output shaft | Hollow output shaft |
| Fixing       | Shaft mounting      |
| Version      | PC                  |

#### Output radial and axial loads

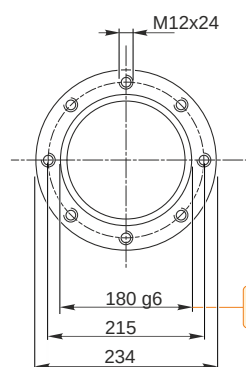
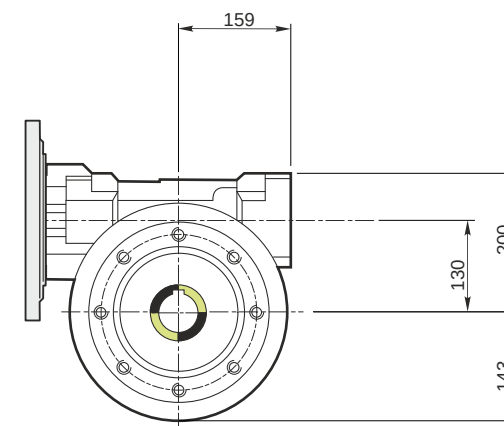
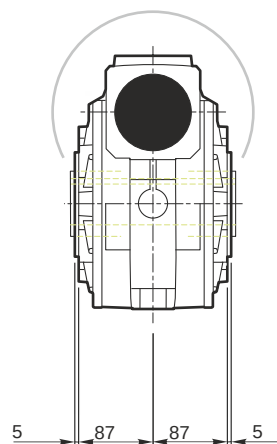
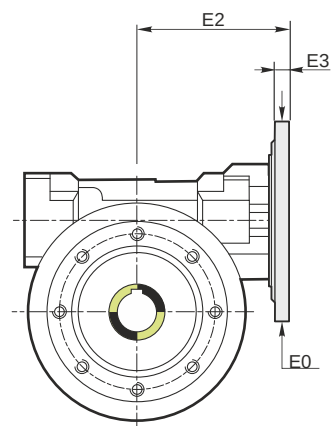
|                                   |     |       |
|-----------------------------------|-----|-------|
| Ball bearings output radial load  | [N] | 10500 |
| Taper bearings output radial load | [N] | 14500 |
| Ball bearings output axial load   | [N] | 2100  |
| Taper bearings output axial load  | [N] | 2900  |

#### Accessories

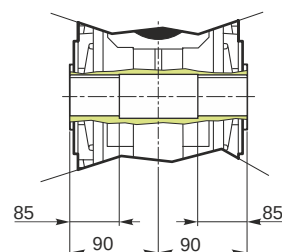
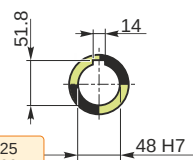
|                     |       |
|---------------------|-------|
| Hollow output shaft | AC 48 |
|---------------------|-------|

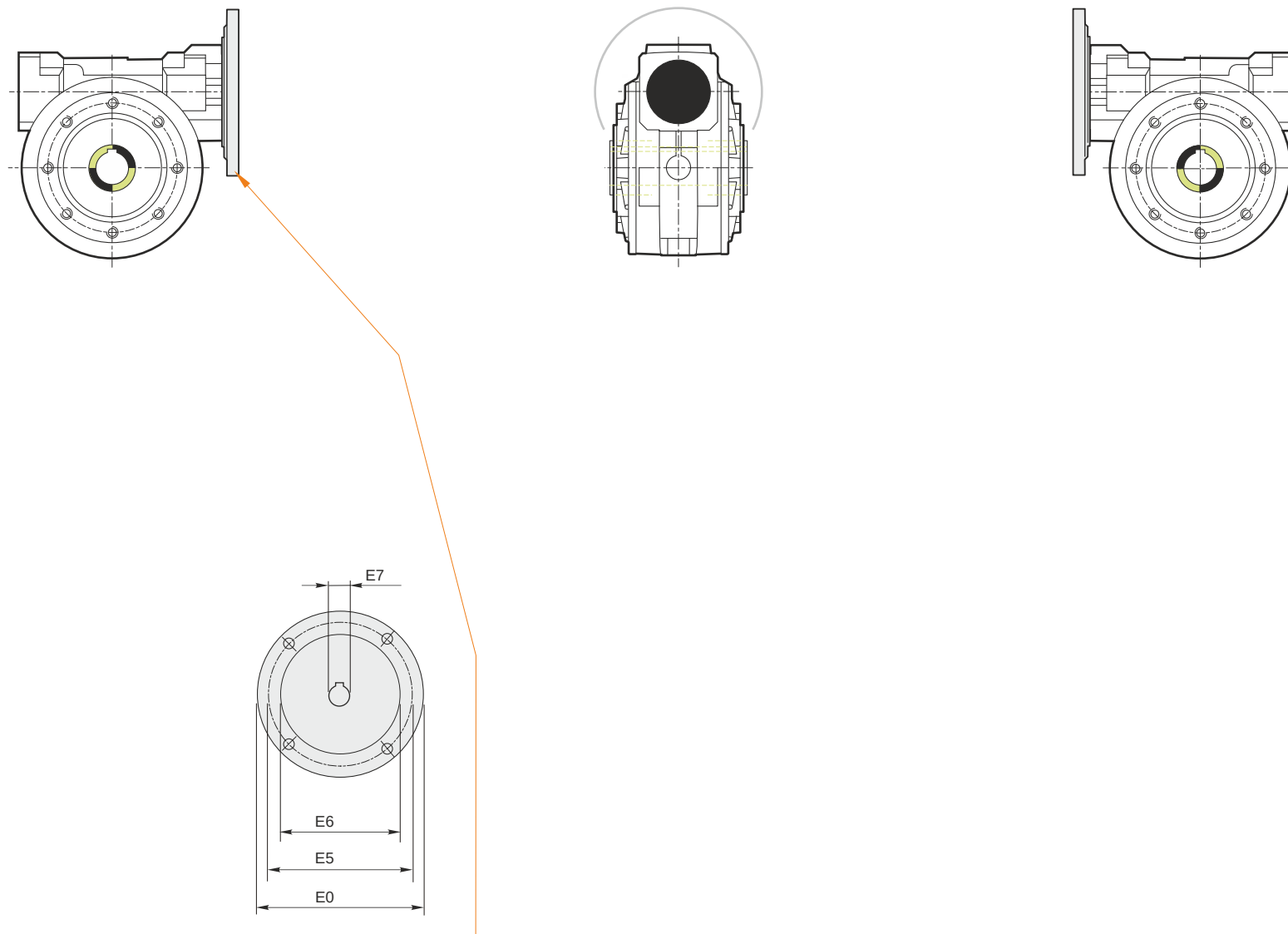
#### Electric motor coupling

|          |      |        |
|----------|------|--------|
| Size     |      | 100 A4 |
| Poles n. |      | 4      |
| Power    | [kW] | 2.2    |



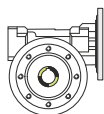
*Hollow output shaft*



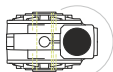


## Mounting positions

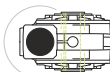
B3



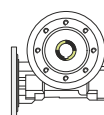
B6



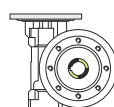
B7



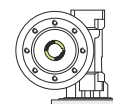
B8



V5



V6



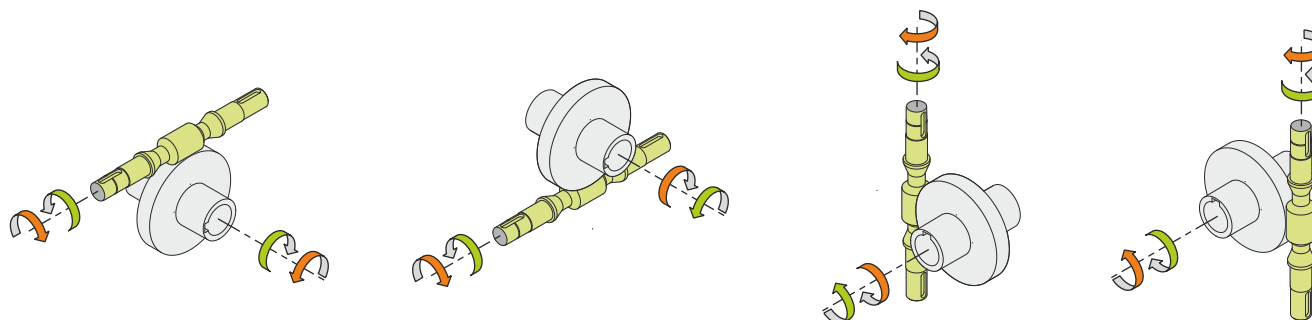
2.75



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

## Direction of rotation



## Weight

Gear unit [kg] 50

## Gearing data

Axial module 2.70  
Number of starts 1  
Lead angle 3° 30'  
Pressure angle 20°

## Backdriving

Static self-locking  
Slow back-driving in case of vibrations  
Low dynamic back-driving

**F RS 130 PC 80 100 B14 AC 48 B3**