

### Input data

|                       |       |                             |
|-----------------------|-------|-----------------------------|
| System of measurement |       | Metric                      |
| Input type            |       | Coupling for electric motor |
| Input speed           | [rpm] | 1400                        |
| Output speed          | [rpm] | 70                          |
| Ratio (i=)            |       | 20                          |
| Frequency             | [Hz]  | 50                          |
| Input options         |       | IEC                         |
| Requested input power | [kW]  | 0.75                        |
| Service factor        |       | 1.5                         |
| Rated Power P1        | [kW]  | 1.16                        |

### Output data

#### Gear unit F RT 60 B3 20 80 B14 AC 25

|                     |                     |                          |
|---------------------|---------------------|--------------------------|
| Type                |                     | RT - Worm speed reducers |
| Input type          |                     | F (Elastic coupling)     |
| Size                |                     | 60                       |
| Ratio (i=)          |                     | 20                       |
| Input flange        |                     | B14                      |
| Input speed         | [rpm]               | 1400                     |
| Output speed        | [rpm]               | 70                       |
| Rated output torque | [Nm]                | 78.79                    |
| Service Factor      |                     | 1.5                      |
| Efficiency          |                     | 0.77                     |
| Inertia moment      | [kgm <sup>2</sup> ] | 0.000107                 |

#### Gear unit configuration

|              |  |                     |
|--------------|--|---------------------|
| Output shaft |  | Hollow output shaft |
| Fixing       |  | Universal           |
| Version      |  | B3                  |

#### Output radial and axial loads

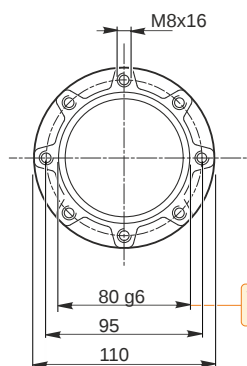
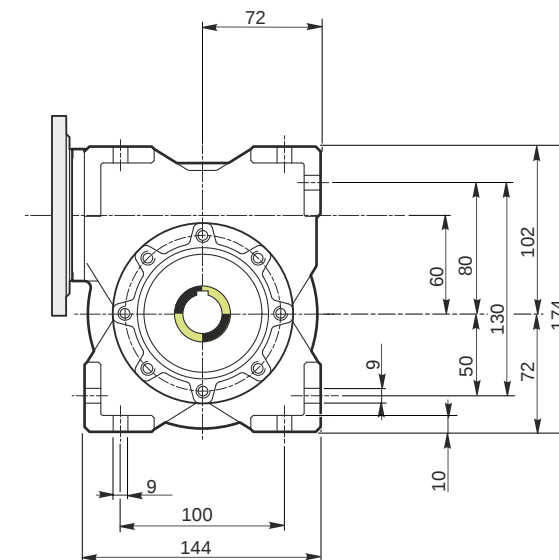
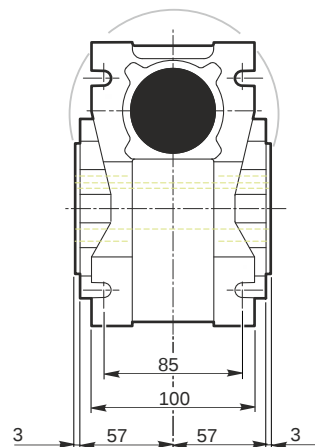
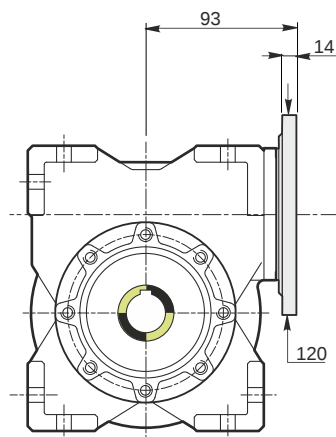
|                                   |     |      |
|-----------------------------------|-----|------|
| Ball bearings output radial load  | [N] | 3300 |
| Taper bearings output radial load | [N] | 4200 |
| Ball bearings output axial load   | [N] | 660  |
| Taper bearings output axial load  | [N] | 840  |

#### Accessories

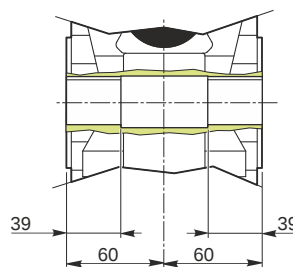
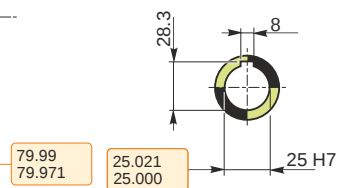
|                     |  |       |
|---------------------|--|-------|
| Hollow output shaft |  | AC 25 |
|---------------------|--|-------|

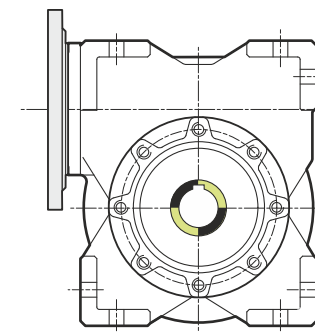
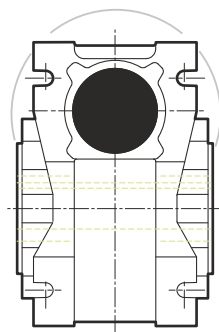
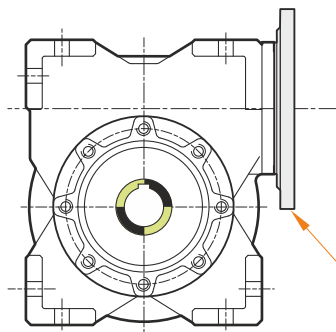
#### Electric motor coupling

|          |      |       |
|----------|------|-------|
| Size     |      | 80 B4 |
| Poles n. |      | 4     |
| Power    | [kW] | 0.75  |

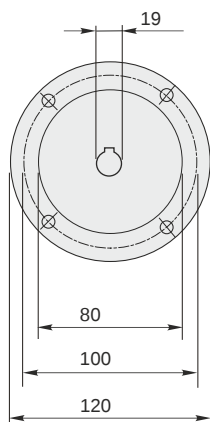


*Hollow output shaft*



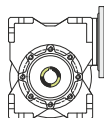


This gear unit is provided with an elastic coupling motor fitting



## Mounting positions

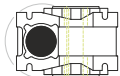
B3



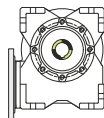
B6



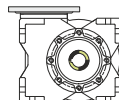
B7



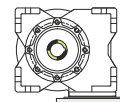
B8



V5



V6



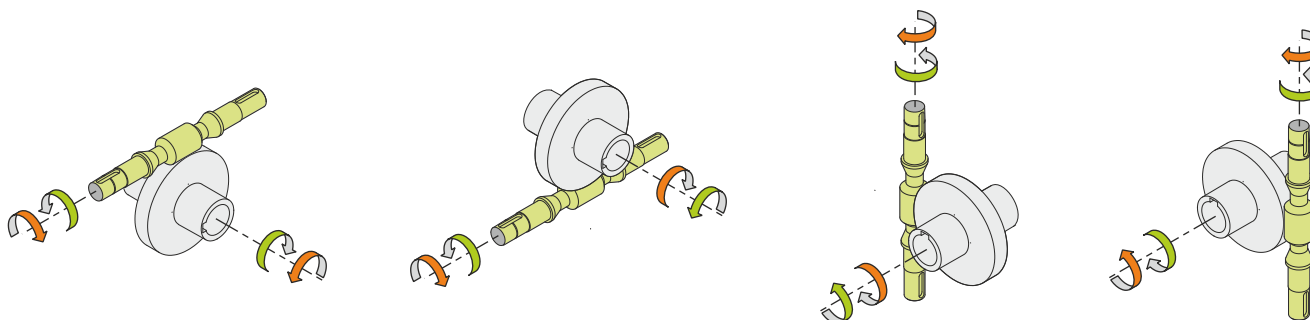
0.23



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

## Direction of rotation



## Weight

Gear unit [kg] 6.5

## Gearing data

|                  |         |
|------------------|---------|
| Axial module     | 2.4     |
| Number of starts | 2       |
| Lead angle       | 11° 18' |
| Pressure angle   | 20°     |

## Backdriving

Variable static self-locking  
Quick back-driving in case of vibrations  
Dynamic back-driving