

### Input data

|                       |       |                             |
|-----------------------|-------|-----------------------------|
| System of measurement |       | Metric                      |
| Input type            |       | Coupling for electric motor |
| Input speed           | [rpm] | 1400                        |
| Output speed          | [rpm] | 28.57                       |
| Ratio (i=)            |       | 49                          |
| Frequency             | [Hz]  | 50                          |
| Input options         |       | IEC                         |
| Requested input power | [kW]  | 0.75                        |
| Service factor        |       | 1.1                         |
| Rated Power P1        | [kW]  | 0.84                        |

### Output data

#### Gear unit F RS 70 PC 49 80 B14 AC 28 B3

|                     |                     |                          |
|---------------------|---------------------|--------------------------|
| Type                |                     | RS - Worm speed reducers |
| Input type          |                     | F (Elastic coupling)     |
| Size                |                     | 70                       |
| Ratio (i=)          |                     | 49                       |
| Input flange        |                     | B14                      |
| Mounting position   |                     | B3                       |
| Input speed         | [rpm]               | 1400                     |
| Output speed        | [rpm]               | 28.57                    |
| Rated output torque | [Nm]                | 167.96                   |
| Service Factor      |                     | 1.1                      |
| Efficiency          |                     | 0.67                     |
| Inertia moment      | [kgm <sup>2</sup> ] | 0.000245                 |

#### Gear unit configuration

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

#### Output radial and axial loads

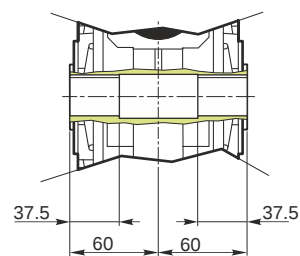
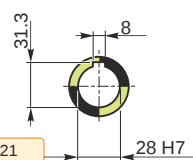
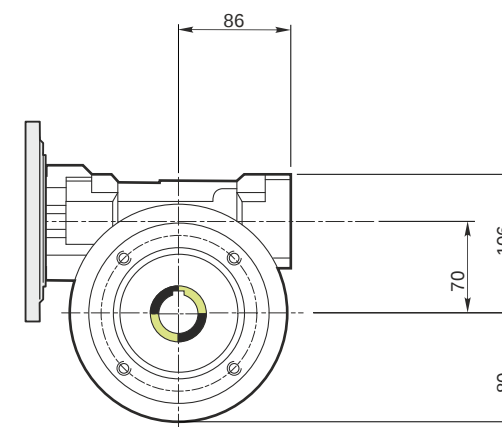
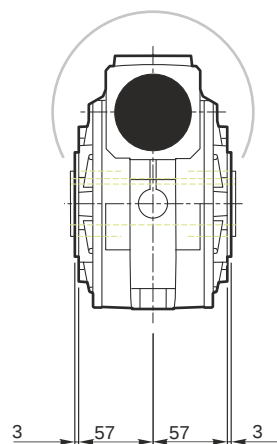
|                                   |     |      |
|-----------------------------------|-----|------|
| Ball bearings output radial load  | [N] | 5200 |
| Taper bearings output radial load | [N] | 6900 |
| Ball bearings output axial load   | [N] | 1040 |
| Taper bearings output axial load  | [N] | 1380 |

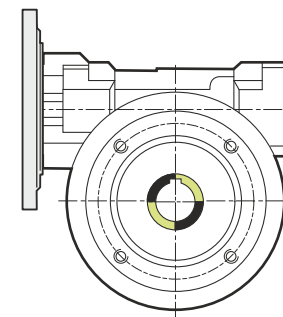
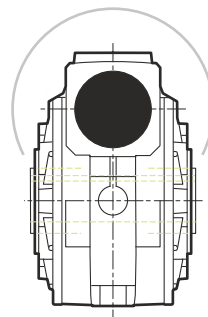
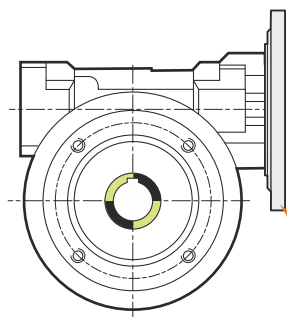
#### Accessories

|                     |       |
|---------------------|-------|
| Hollow output shaft | AC 28 |
|---------------------|-------|

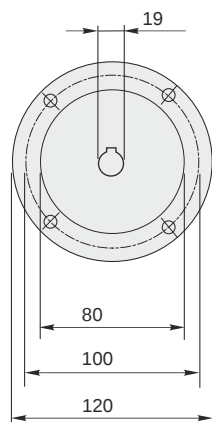
#### Electric motor coupling

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



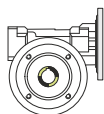


This gear unit is provided with an elastic coupling motor fitting



## Mounting positions

B3



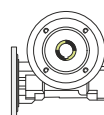
B6



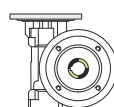
B7



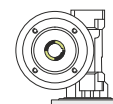
B8



V5



V6



0.35



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

## Direction of rotation



## Weight

Gear unit [kg] 9

## Gearing data

|                  |        |
|------------------|--------|
| Axial module     | 2.3    |
| Number of starts | 1      |
| Lead angle       | 4° 48' |
| Pressure angle   | 20°    |

## Backdriving

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