## Input data

| | | | |
|---|---|---|---|
| System of measurement | | Metric | |
| Input type | | Coupling for electric motor | |
| Input speed | [rpm] | 1400 | |
| Output speed | [rpm] | 14 | |
| Ratio (i=) | | 100 | |
| Frequency | [Hz] | 50 | |
| Input options | | IEC | |
| Requested input power | [kW] | 0.06 | |
| Service factor | | 0.5 | **Warning! The torque generated by the selected motor is above the gearbox rated output torque; please refer to the gearbox rated output torque.** |
| Rated Power P1 | [kW] | 0.03 | |

## Output data

| **Gear unit** | | **F RT 28 B3 100 56 B14 AC 14** |
|---|---|---|
| Type | | RT - Worm speed reducers |
| Input type | | F (Elastic coupling) |
| Size | | 28 |
| Ratio (i=) | | 100 |
| Input flange | | B14 |
| Input speed | [rpm] | 1400 |
| Output speed | [rpm] | 14 |
| Rated output torque | [Nm] | 8 |
| Service Factor | | 0.5 |
| Efficiency | | 0.43 |
| Inertia moment | [$kgm^2$] | 0.000005 |

**Gear unit configuration**

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

**Output radial and axial loads**

| | | |
|---|---|---|
| Ball bearings output radial load | [N] | 1000 |
| Taper bearings output radial load | [N] | 1300 |
| Ball bearings output axial load | [N] | 200 |
| Taper bearings output axial load | [N] | 260 |

**Accessories**

| | | |
|---|---|---|
| Hollow output shaft | | AC 14 |

**Electric motor coupling**

| | | |
|---|---|---|
| Size | | 56 A4 |
| Poles n. | | 4 |
| Power | [kW] | 0.06 |


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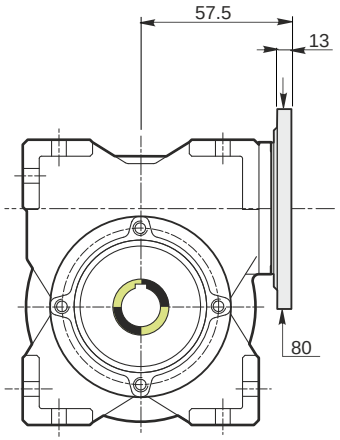
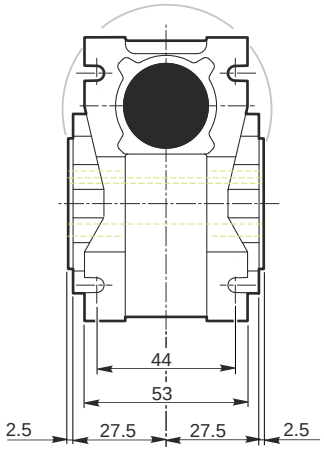
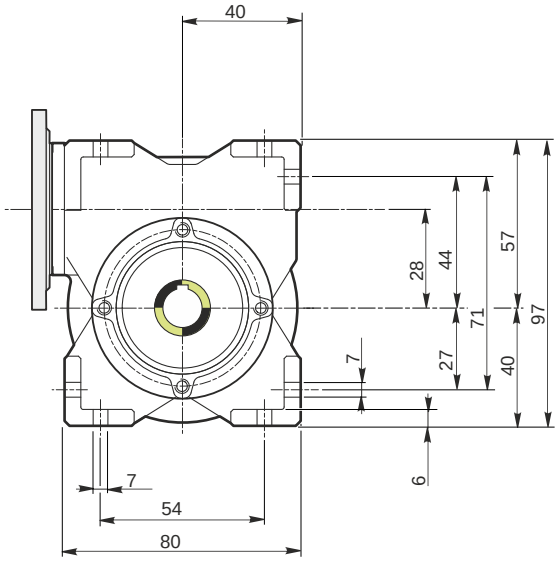
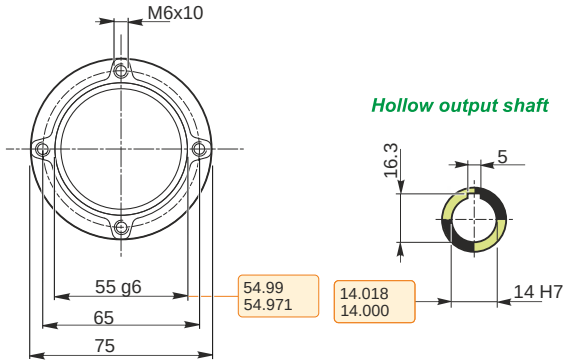


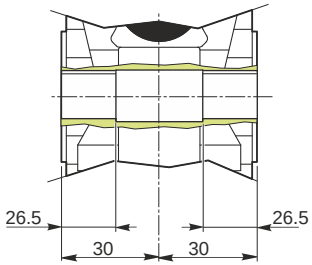




*Hollow output shaft*




**F RT 28 B3 100 56 B14 AC 14**



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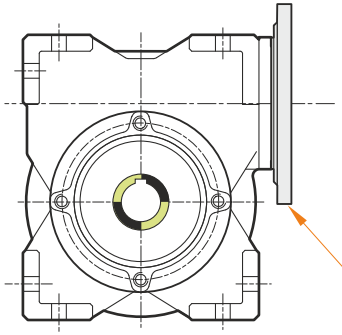
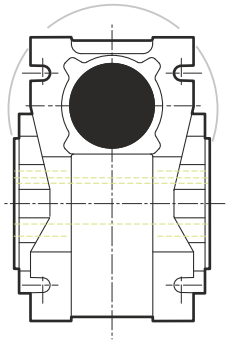
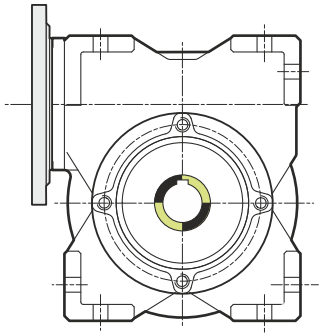
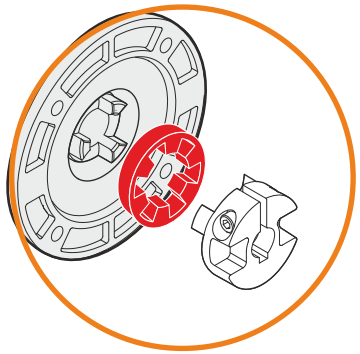
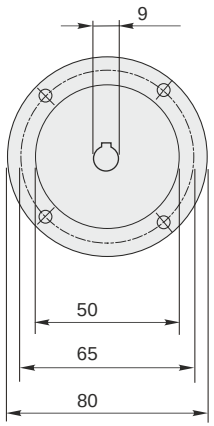








This gear unit is provided with
an elastic coupling motor fitting




## F RT 28 B3 100 56 B14 AC 14



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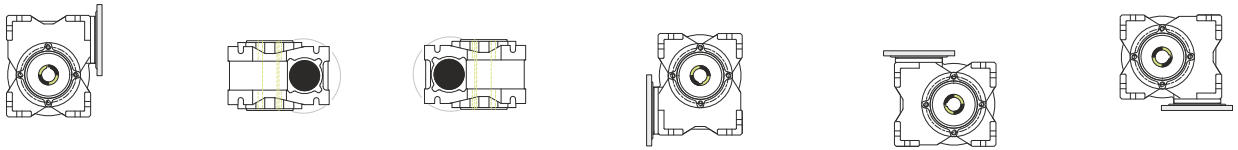
## Mounting positions

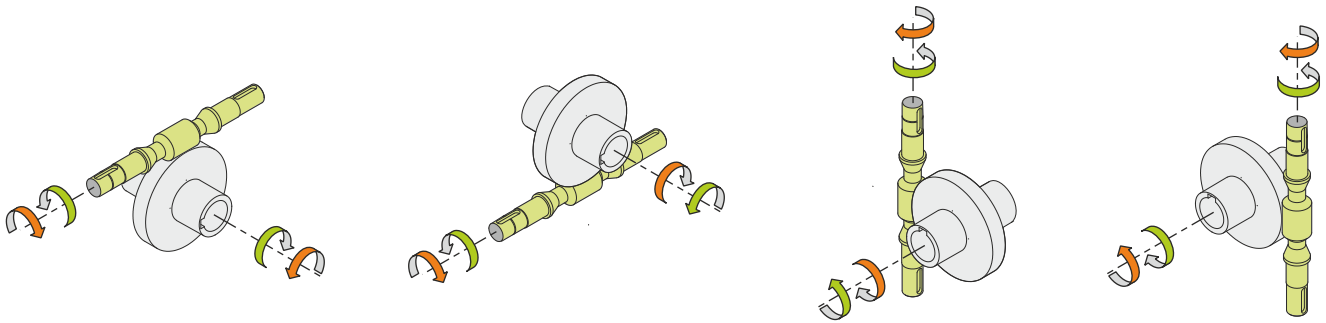
B3 B6 B7 B8 V5 V6



| | |
|---|---|
| 0.03 | Oil quantity [litres] |

Lubricant type: Long life synthetic oil ISO VG320

## Direction of rotation



## Weight

| | |
|---|---|
| Gear unit [kg] | 1.1 |

## Gearing data

| | |
|---|---|
| Axial module | 0.45 |
| Number of starts | 1 |
| Lead angle | 2° 20’ |
| Pressure angle | 20° |

## Backdriving

Static self-locking
No back-driving
Low dynamic back-driving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