

Input data

| | | |
|-----------------------|-------|-----------------------------|
| System of measurement | | Metric |
| Input type | | Coupling for electric motor |
| Input speed | [rpm] | 1400 |
| Output speed | [rpm] | 140 |
| Ratio (i=) | | 10 |
| Frequency | [Hz] | 50 |
| Input options | | IEC |
| Requested input power | [kW] | 7.5 |
| Service factor | | 1.2 |
| Rated Power P1 | [kW] | 8.96 |

Output data

| | |
|------------------|-----------------------|
| Gear unit | F RT 110 B3 10 |
|------------------|-----------------------|

| | | |
|---------------------|---------------------|--------------------------|
| Type | | RT - Worm speed reducers |
| Input type | | F |
| Size | | 110 |
| Ratio (i=) | | 10 |
| Input flange | | B5 |
| Input speed | [rpm] | 1400 |
| Output speed | [rpm] | 140 |
| Rated output torque | [Nm] | 445.1 |
| Service Factor | | 1.2 |
| Efficiency | | 0.87 |
| Inertia moment | [kgm ²] | 0.001942 |

Gear unit configuration

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

Output radial and axial loads

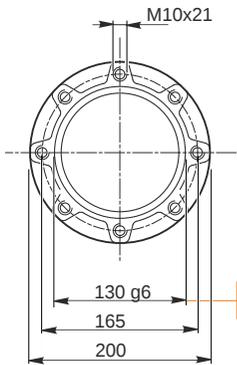
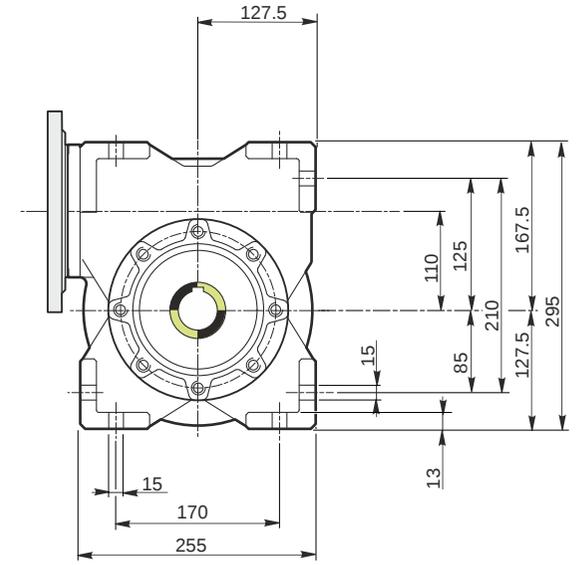
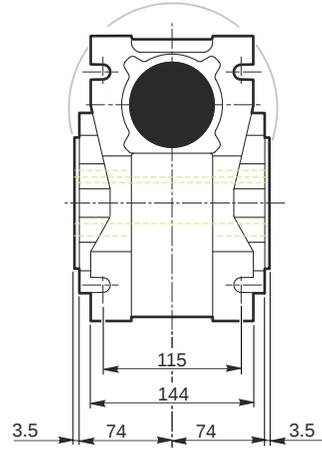
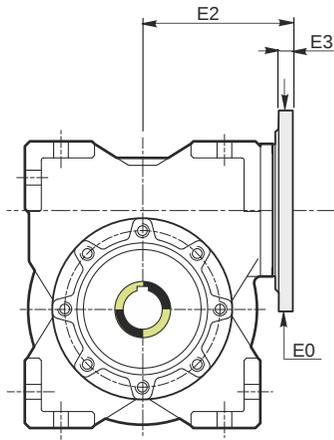
| | | |
|-----------------------------------|-----|------|
| Ball bearings output radial load | [N] | 4150 |
| Taper bearings output radial load | [N] | 5400 |
| Ball bearings output axial load | [N] | 830 |
| Taper bearings output axial load | [N] | 1080 |

Accessories

| | | |
|---------------------|--|-------|
| Hollow output shaft | | AC 42 |
|---------------------|--|-------|

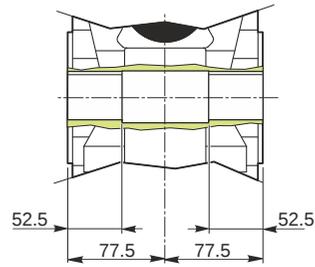
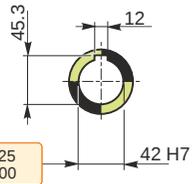
Electric motor coupling

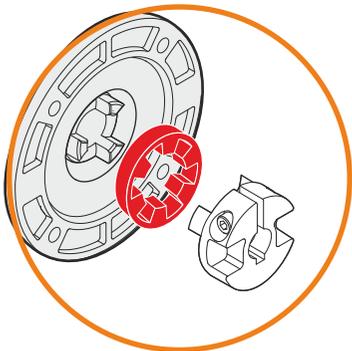
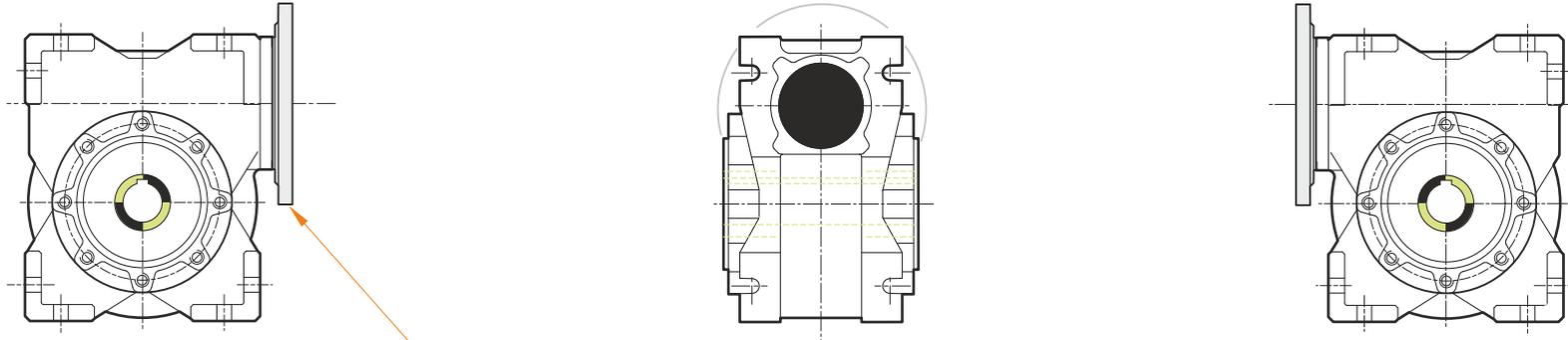
| | | |
|----------|------|--------|
| Size | | 132 M4 |
| Poles n. | | 4 |
| Power | [kW] | 7.5 |



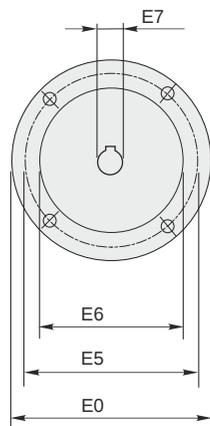
Hollow output shaft

| | |
|---------|--------|
| 129.986 | 42.025 |
| 129.961 | 42.000 |



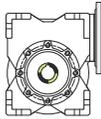


This gear unit is provided with an elastic coupling motor fitting

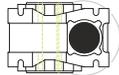


Mounting positions

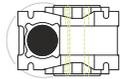
B3



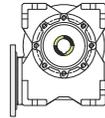
B6



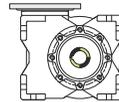
B7



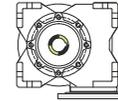
B8



V5



V6



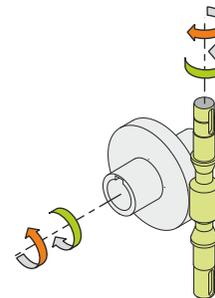
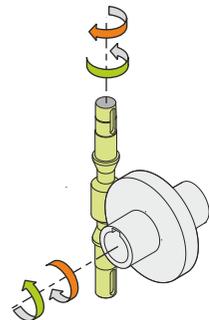
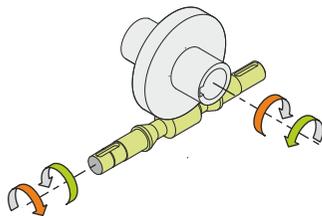
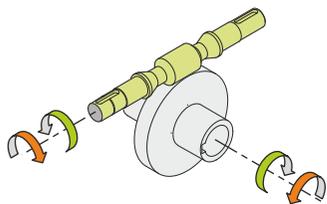
1.5



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 39

Gearing data

Axial module 5.8
Number of starts 3
Lead angle 20° 43'
Pressure angle 20°

Backdriving

Static back-driving
Quick back-driving
Dynamic back-driving