

### Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	25
Ratio (i=)		56
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.1
Service factor		1.1
Rated Power P1	[kW]	1.17

### Output data

#### **Gear unit** F RS 85 PC 56 90 B14 AC 32 B3

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		85
Ratio (i=)		56
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	25
Rated output torque	[Nm]	285.74
Service Factor		1.1
Efficiency		0.68
Inertia moment	[kgm <sup>2</sup> ]	0.000341

#### **Gear unit configuration**

Output shaft		Hollow output shaft
Fixing		Shaft mounting
Version		PC

#### **Output radial and axial loads**

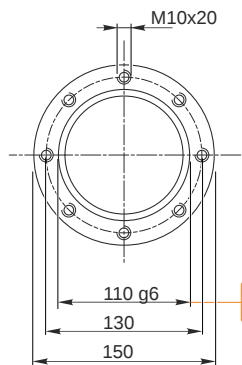
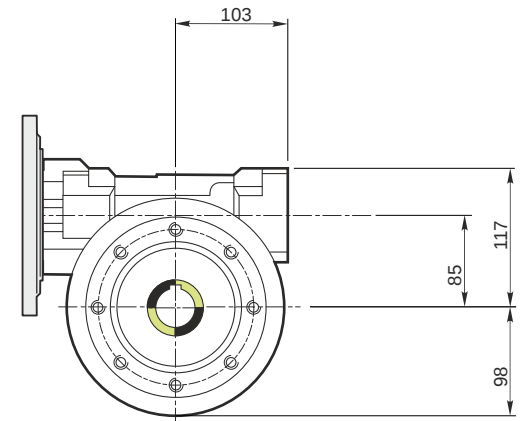
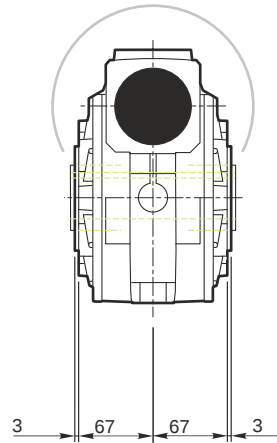
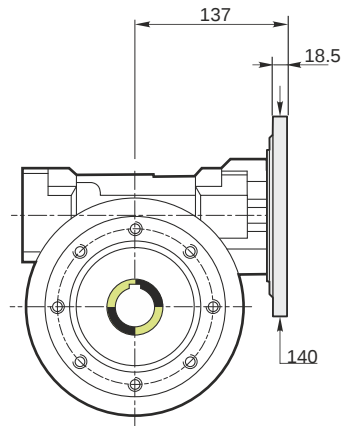
Ball bearings output radial load	[N]	6600
Taper bearings output radial load	[N]	8700
Ball bearings output axial load	[N]	1320
Taper bearings output axial load	[N]	1740

#### **Accessories**

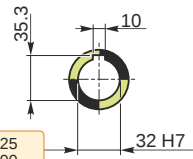
Hollow output shaft		AC 32
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#### **Electric motor coupling**

Size		90 S4
Poles n.		4
Power	[kW]	1.1

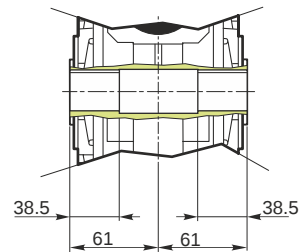


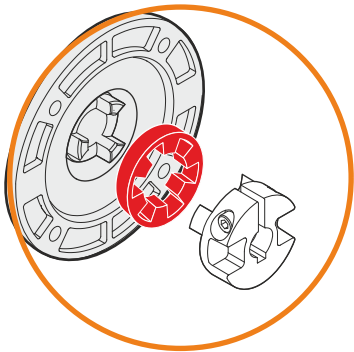
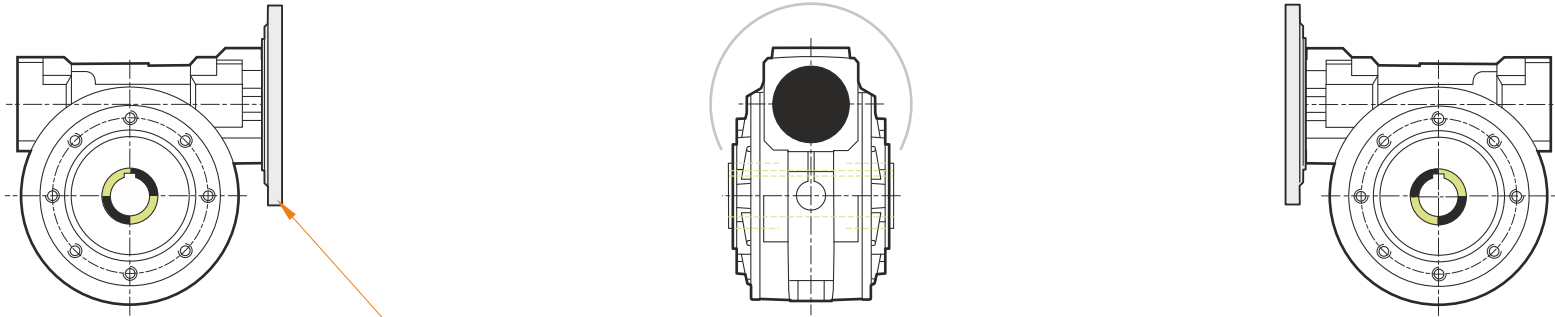
Hollow output shaft



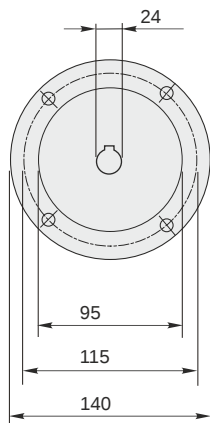
109.988  
109.966

32.025  
32.000



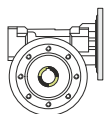


This gear unit is provided with an elastic coupling motor fitting

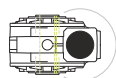


### Mounting positions

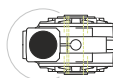
**B3**



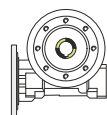
**B6**



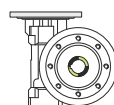
**B7**



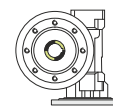
**B8**



**V5**



**V6**



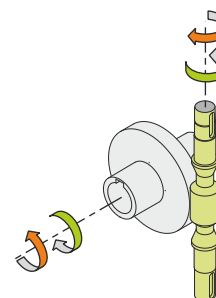
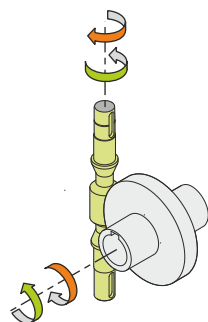
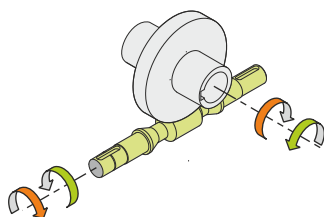
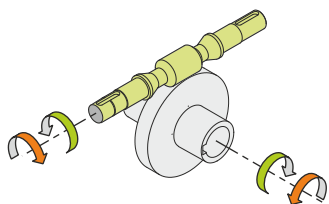
0.6



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

### Direction of rotation



### Weight

Gear unit [kg] 13.5

### Gearing data

Axial module	2.5
Number of starts	1
Lead angle	4° 45'
Pressure angle	20°

### Backdriving

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