

### Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	93.33
Ratio (i=)		15
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.55
Service factor		6.2
Rated Power P1	[kW]	3.4

### Output data

<b>Gear unit</b>	<b>F RS 85 Output flange No Flange FL (bolted) 15 80 B14 AC 32 B3</b>
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Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		85
Ratio (i=)		15
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	93.33
Rated output torque	[Nm]	46.71
Service Factor		6.2
Efficiency		0.83
Inertia moment	[kgm <sup>2</sup> ]	0.000372

#### Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Output flange
Right side flange	No Flange
Left side flange	FL (bolted)

#### Output radial and axial loads

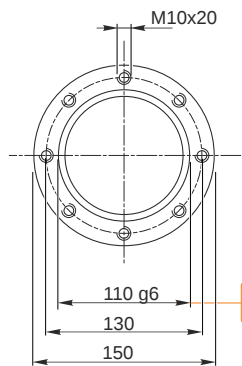
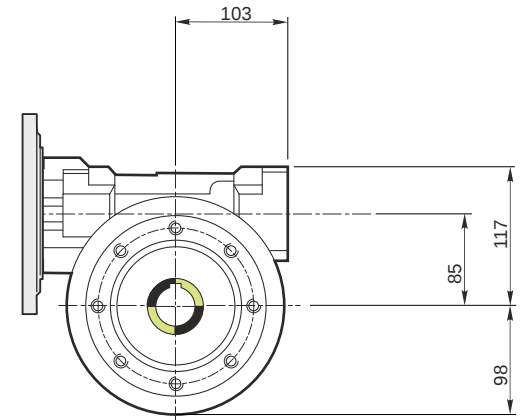
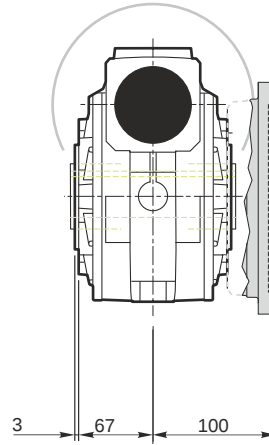
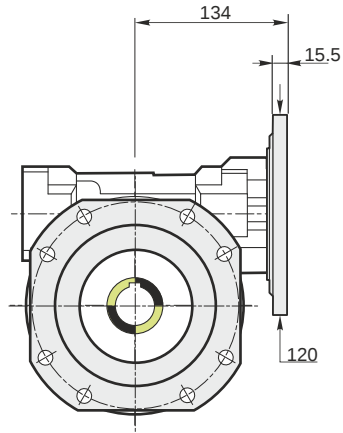
Ball bearings output radial load	[N]	4400
Taper bearings output radial load	[N]	5500
Ball bearings output axial load	[N]	880
Taper bearings output axial load	[N]	1100

#### Accessories

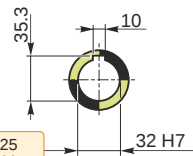
Hollow output shaft	AC 32
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#### Electric motor coupling

Size		80 A4
Poles n.		4
Power	[kW]	0.55

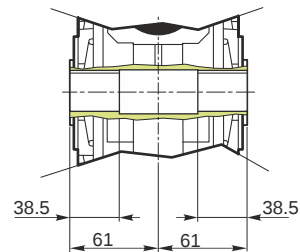


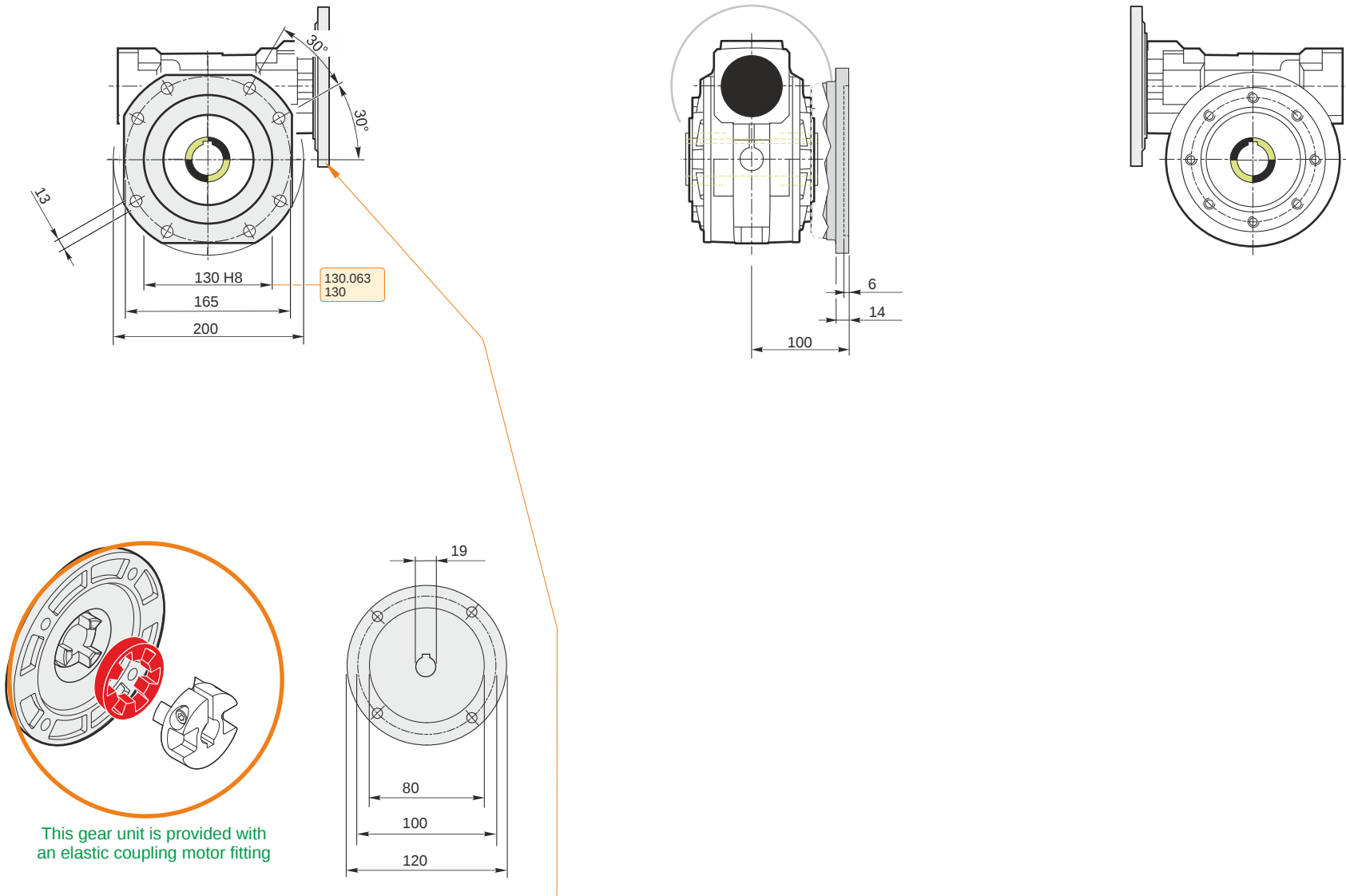
Hollow output shaft



109.988  
109.966

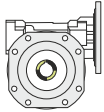
32.025  
32.000





### Mounting positions

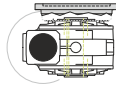
B3



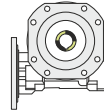
B6



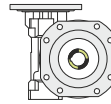
B7



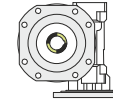
B8



V5



V6



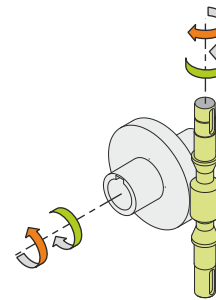
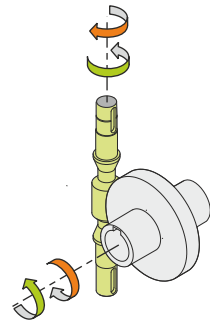
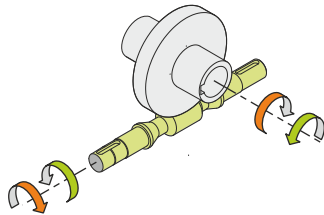
0.6



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

### Direction of rotation



### Weight

Gear unit [kg]

13.5

### Gearing data

Axial module

4.4

Number of starts

2

Lead angle

13° 02'

Pressure angle

20°

### Backdriving

Static back-driving

Quick back-driving

Dynamic back-driving