

### 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]	2.2
Service factor		3
Rated Power P1	[kW]	6.52

### Output data

<b>Gear unit</b>	<b>F RT 110 B3 15 100 B5 AC 42</b>
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Type		RT - Worm speed reducers
Input type		F
Size		110
Ratio (i=)		15
Input flange		B5
Input speed	[rpm]	1400
Output speed	[rpm]	93.33
Rated output torque	[Nm]	189.09
Service Factor		3
Efficiency		0.84
Inertia moment	[kgm <sup>2</sup> ]	0.001796

#### Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Universal
Version		B3

#### Output radial and axial loads

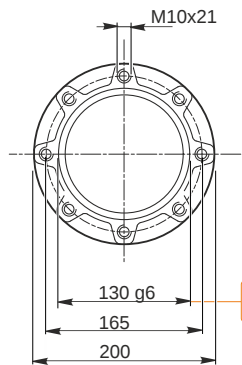
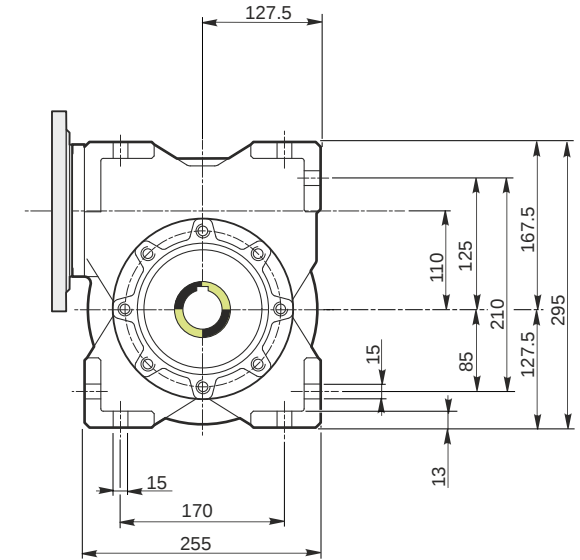
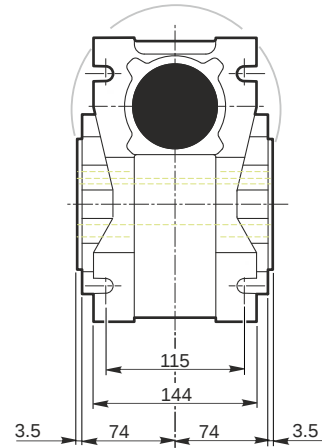
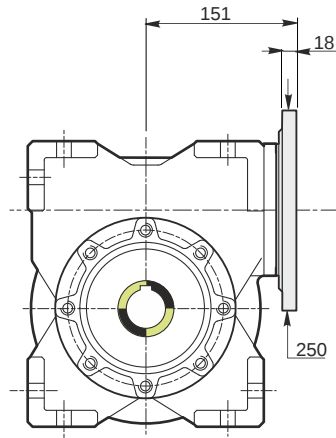
Ball bearings output radial load	[N]	5200
Taper bearings output radial load	[N]	6700
Ball bearings output axial load	[N]	1040
Taper bearings output axial load	[N]	1340

#### Accessories

Hollow output shaft		AC 42
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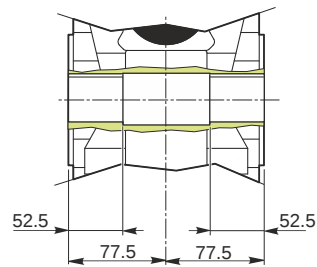
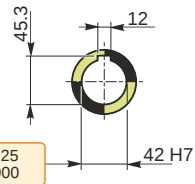
#### Electric motor coupling

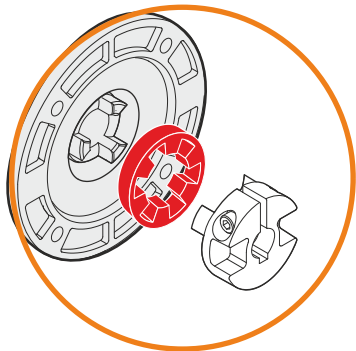
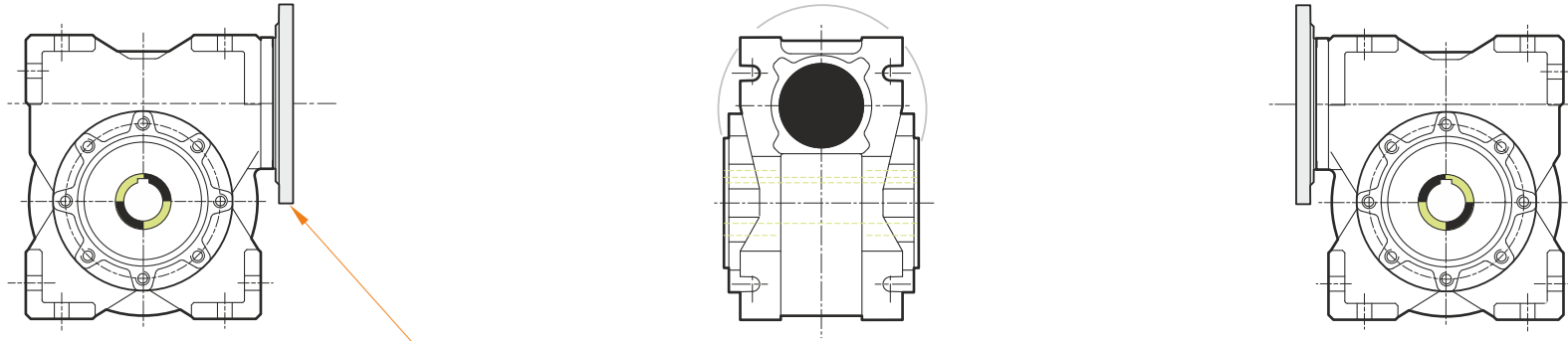
Size		100 A4
Poles n.		4
Power	[kW]	2.2



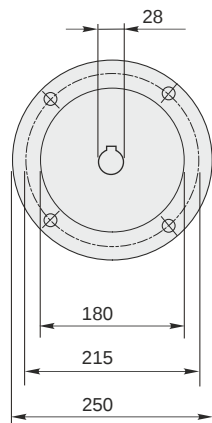
Hollow output shaft

129.986	42.025
129.961	42.000





This gear unit is provided with an elastic coupling motor fitting



### Mounting positions

B3

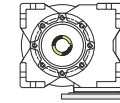
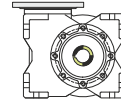
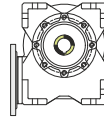
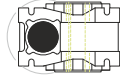
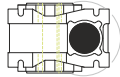
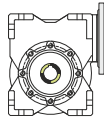
B6

B7

B8

V5

V6



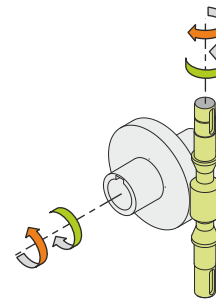
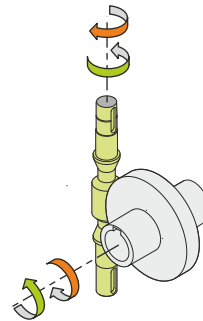
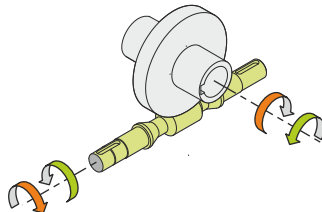
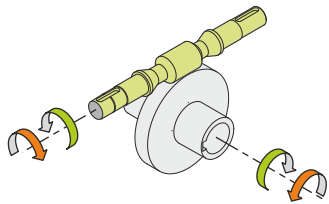
1.5



← 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	2
Lead angle	14° 09'
Pressure angle	20°

### Backdriving

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