

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]	15
Service factor		1.4
Rated Power P1	[kW]	20.99

Output data

Gear unit **F RS 150 PC 10 160 B5 AC 55 B3**

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		150
Ratio (i=)		10
Input flange		
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	140
Rated output torque	[Nm]	900.43
Service Factor		1.4
Efficiency		0.88
Inertia moment	[kgm ²]	0.006961

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

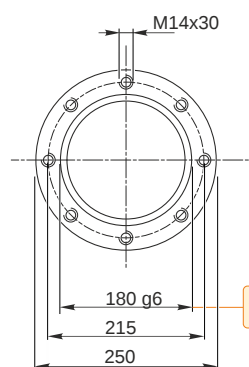
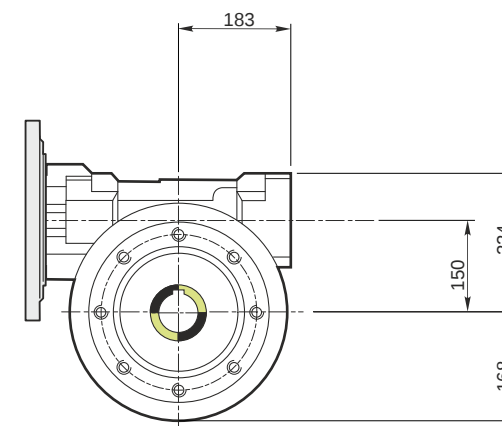
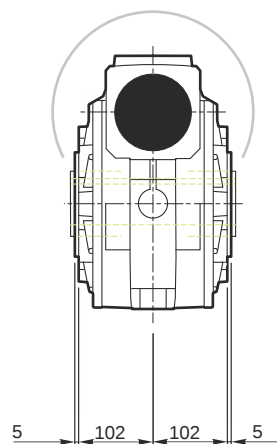
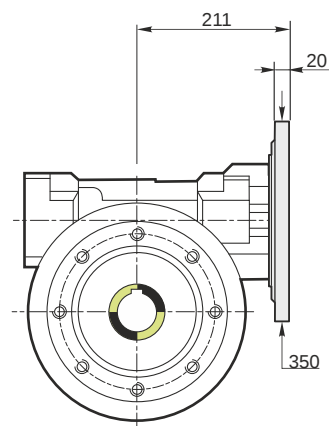
Ball bearings output radial load	[N]	7700
Taper bearings output radial load	[N]	10800
Ball bearings output axial load	[N]	1540
Taper bearings output axial load	[N]	2160

Accessories

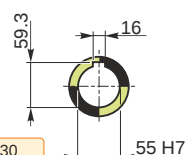
Hollow output shaft	AC 55
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Electric motor coupling

Size		160 L4
Poles n.		4
Power	[kW]	15

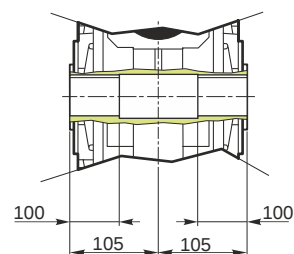


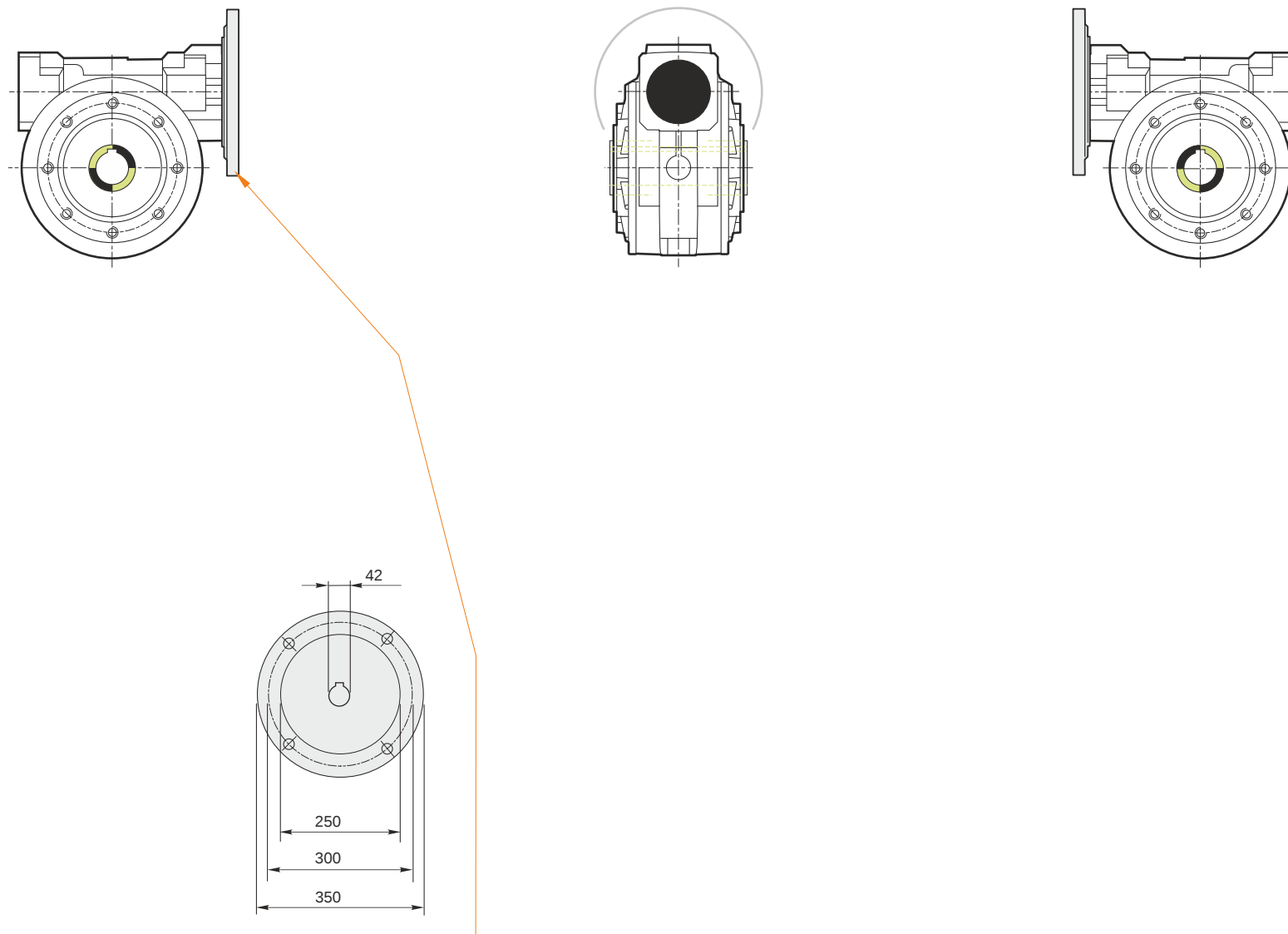
Hollow output shaft



179.986
179.961

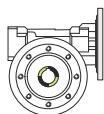
55.030
55.000





Mounting positions

B3



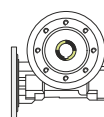
B6



B7



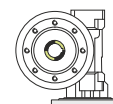
B8



V5



V6



4.4



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 80

Gearing data

Axial module 8.00
Number of starts 3
Lead angle 21° 48'
Pressure angle 20°

Backdriving

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