

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	70
Ratio (i=)		20
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	11
Service factor		1.1
Rated Power P1	[kW]	12.48

Output data

Gear unit F RS 150 PC 20 160 B5 AC 55 B3

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		150
Ratio (i=)		20
Input flange		
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	70
Rated output torque	[Nm]	1260.6
Service Factor		1.1
Efficiency		0.84
Inertia moment	[kgm ²]	0.006086

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

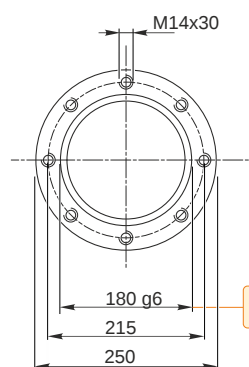
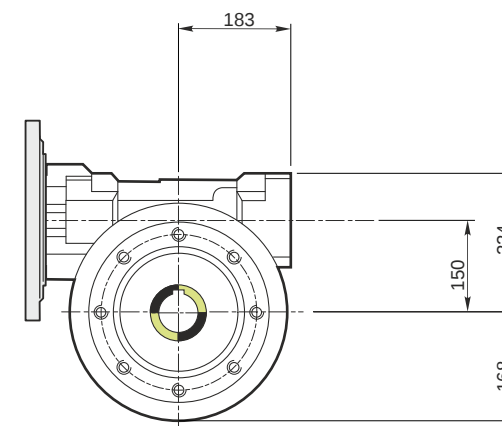
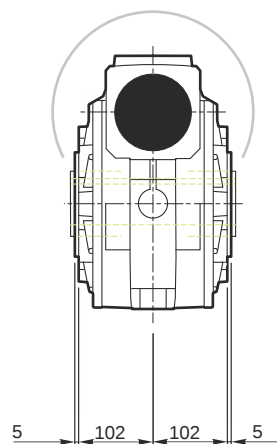
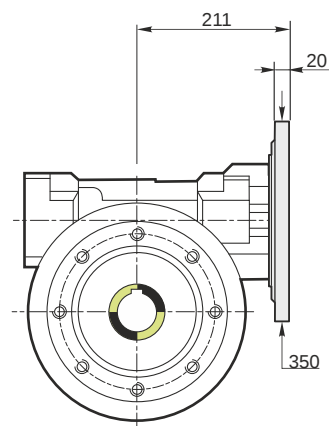
Ball bearings output radial load	[N]	8800
Taper bearings output radial load	[N]	13200
Ball bearings output axial load	[N]	1760
Taper bearings output axial load	[N]	2640

Accessories

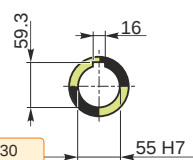
Hollow output shaft	AC 55
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Electric motor coupling

Size		160 M4
Poles n.		4
Power	[kW]	11

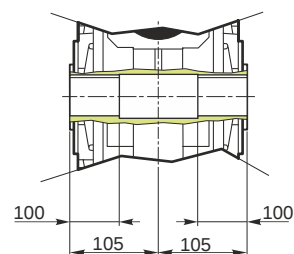


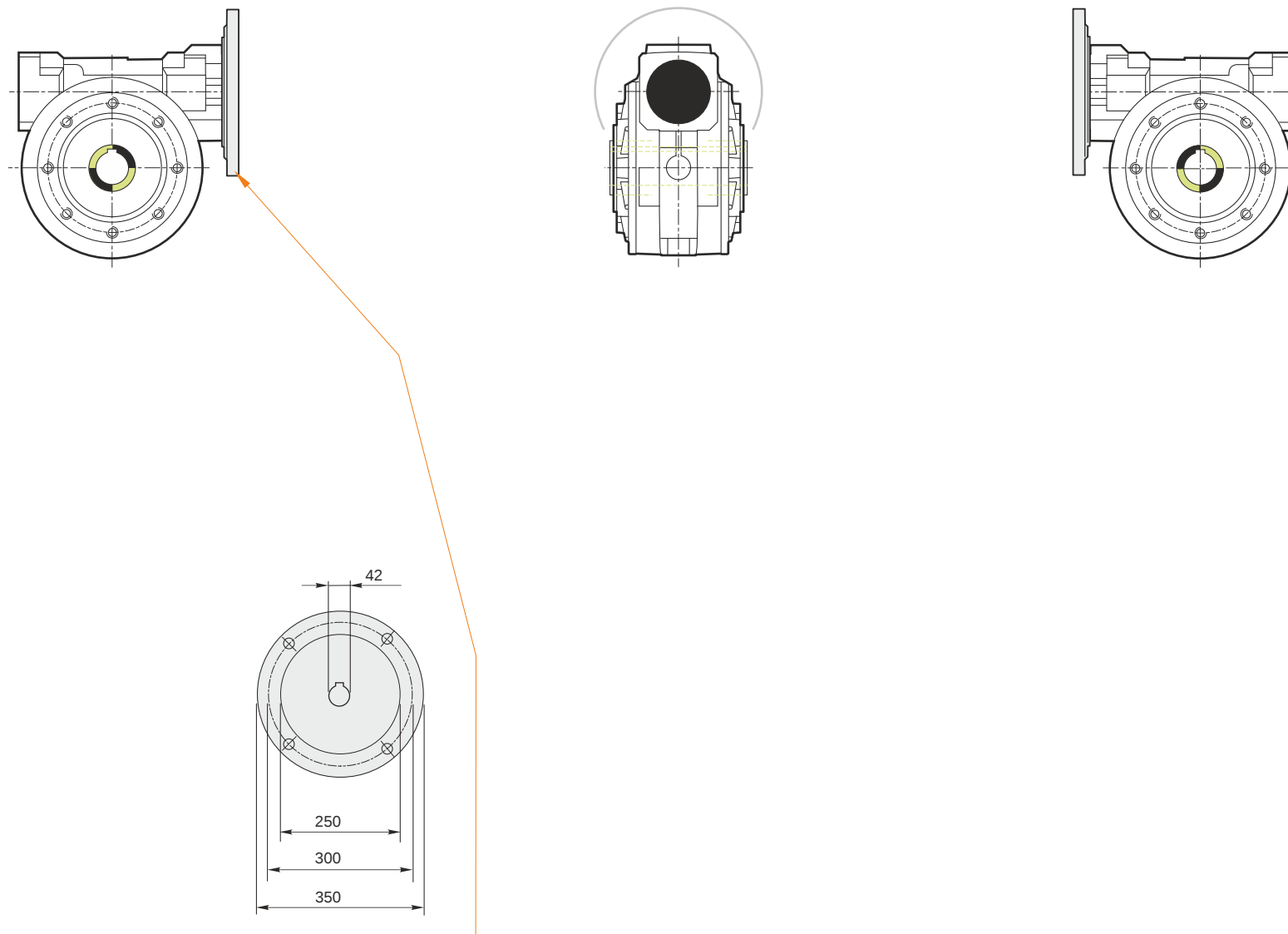
Hollow output shaft



179.986
179.961

55.030
55.000

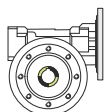




F RS 150 PC 20 160 B5 AC 55 B3

Mounting positions

B3



B6



B7



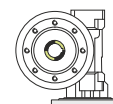
B8



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	6.20
Number of starts	2
Lead angle	13° 24'
Pressure angle	20°

Backdriving

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