

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]	4
Service factor		1.3
Rated Power P1	[kW]	5.09

Output data

Gear unit **F RS 150 PC 56 112 B14 AC 55 B3**

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		150
Ratio (i=)		56
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	25
Rated output torque	[Nm]	1115.44
Service Factor		1.3
Efficiency		0.73
Inertia moment	[kgm ²]	0.005832

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

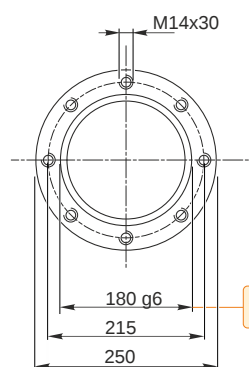
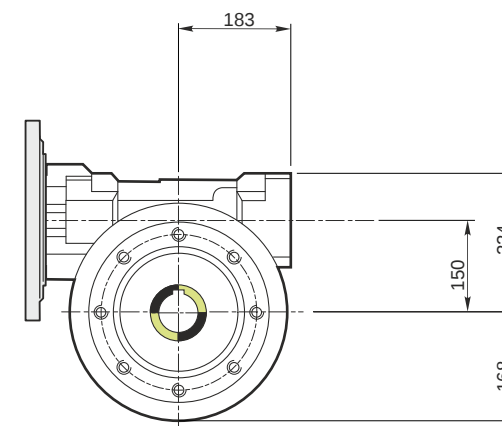
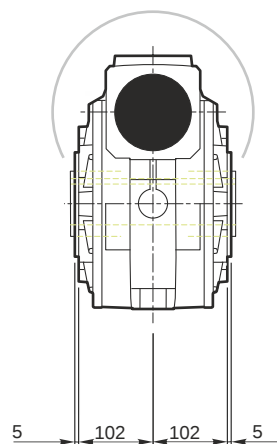
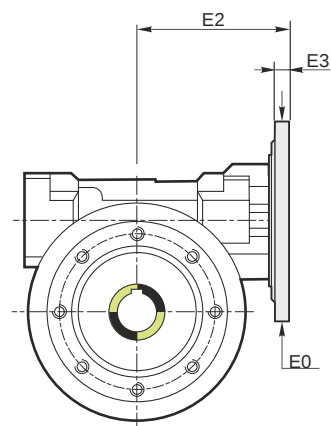
Ball bearings output radial load	[N]	12500
Taper bearings output radial load	[N]	18700
Ball bearings output axial load	[N]	2500
Taper bearings output axial load	[N]	3740

Accessories

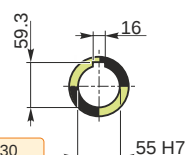
Hollow output shaft	AC 55
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Electric motor coupling

Size		112 A4
Poles n.		4
Power	[kW]	4

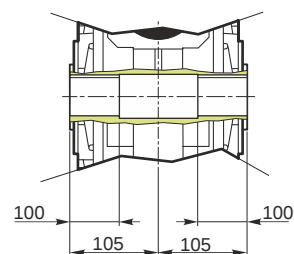


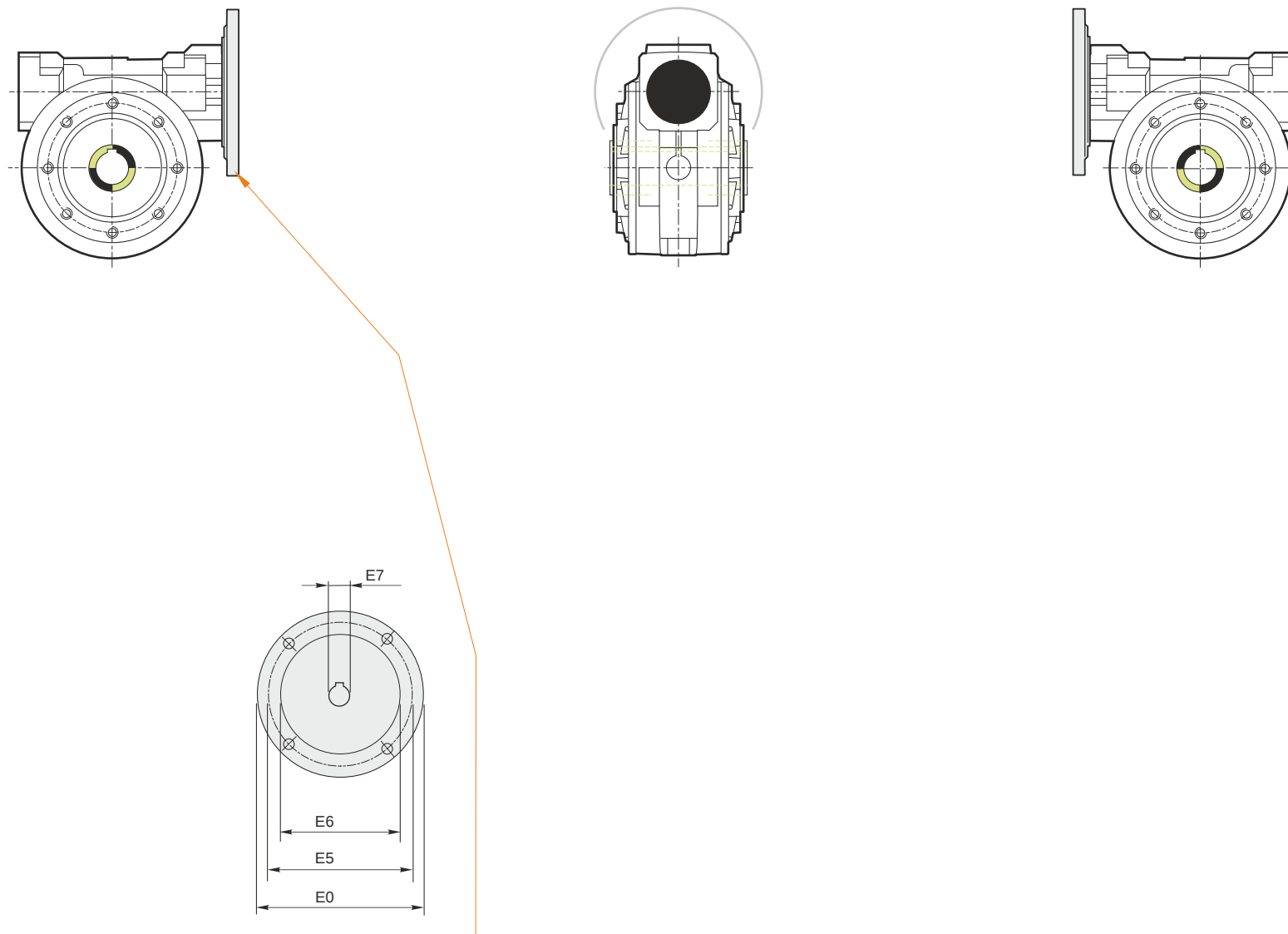
Hollow output shaft



179.986
179.961

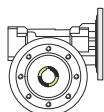
55.030
55.000



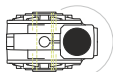


Mounting positions

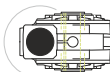
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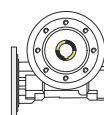
B6



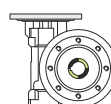
B7



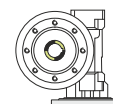
B8



V5



V6



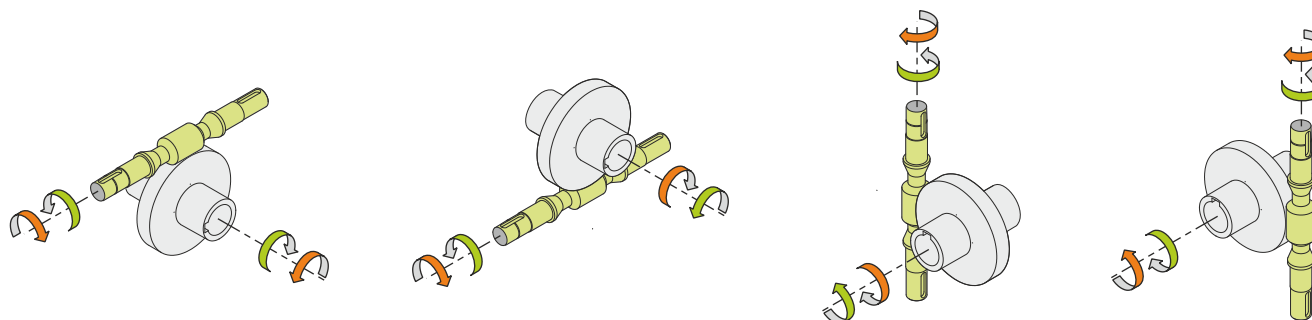
4.4



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 80

Gearing data

Axial module	4.60
Number of starts	1
Lead angle	6° 11'
Pressure angle	20°

Backdriving

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