

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	50
Ratio (i=)		28
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	5.5
Service factor		1.4
Rated Power P1	[kW]	7.48

Output data

Gear unit F RS 130 PC 28 132 B14 AC 48 B3

Type		RS - Worm speed reducers
Input type		F
Size		130
Ratio (i=)		28
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	50
Rated output torque	[Nm]	808.89
Service Factor		1.4
Efficiency		0.77
Inertia moment	[kgm ²]	0.002727

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

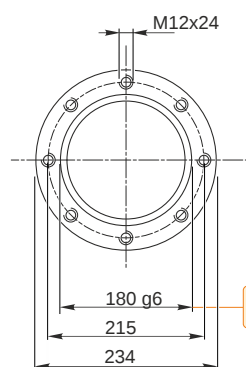
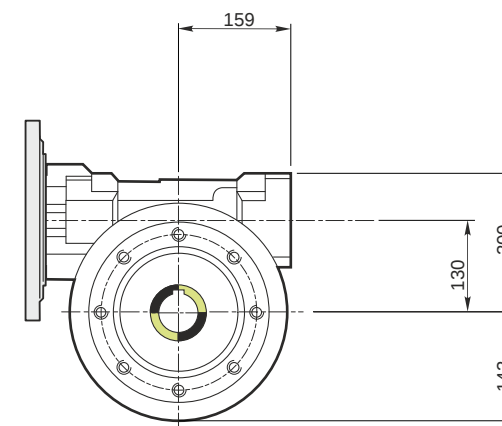
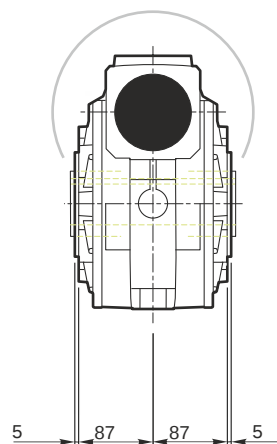
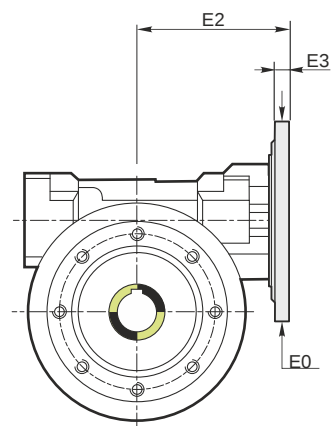
Ball bearings output radial load	[N]	6600
Taper bearings output radial load	[N]	9900
Ball bearings output axial load	[N]	1320
Taper bearings output axial load	[N]	1980

Accessories

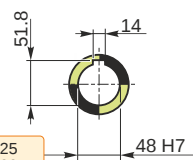
Hollow output shaft	AC 48
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Electric motor coupling

Size		132 S4
Poles n.		4
Power	[kW]	5.5

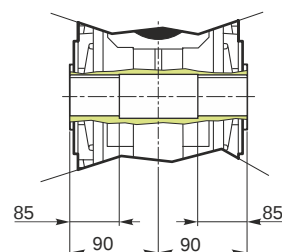


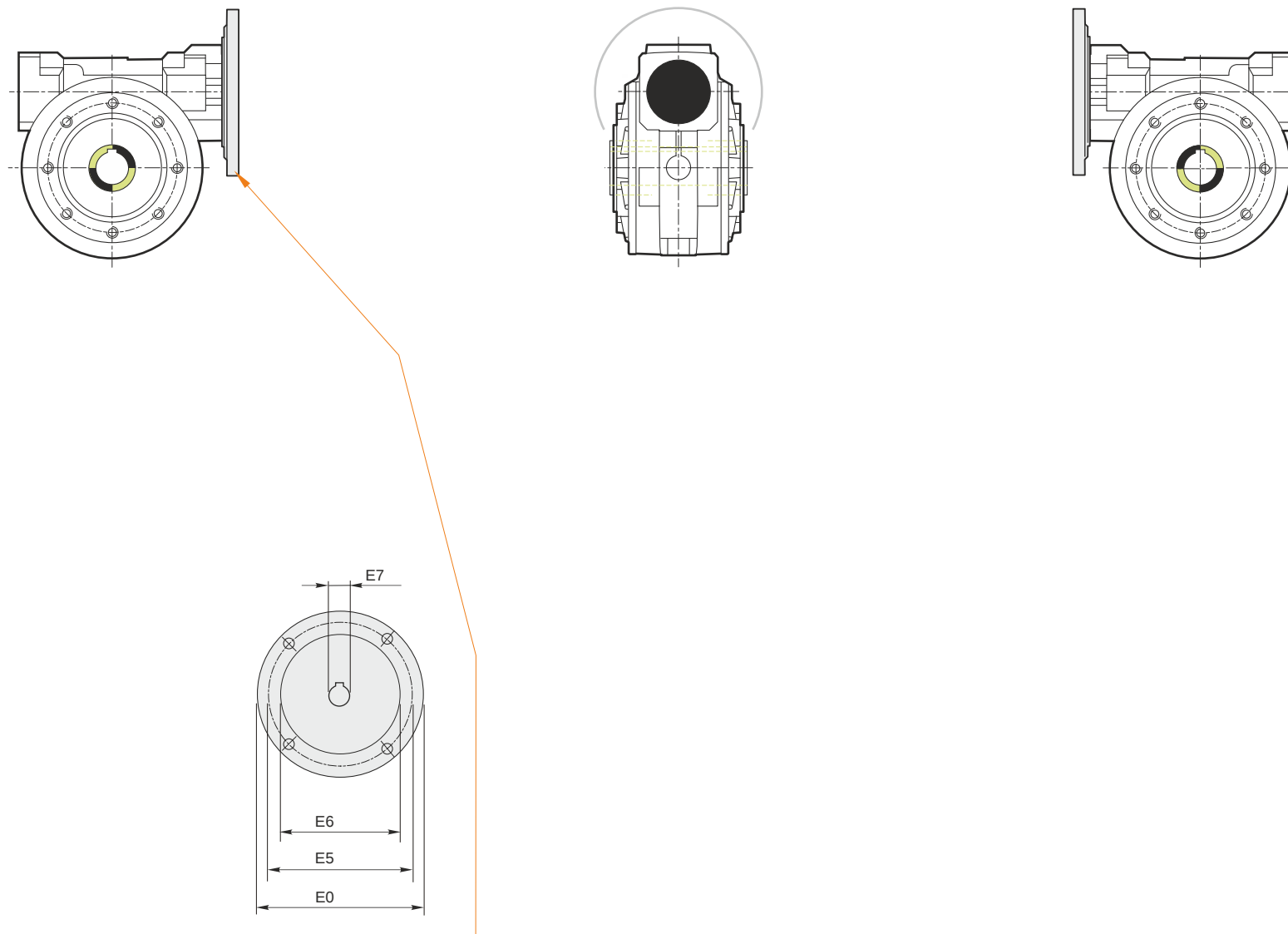
Hollow output shaft



179.986
179.961

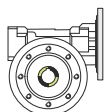
48.025
48.000





Mounting positions

B3



B6



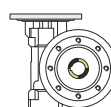
B7



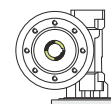
B8



V5



V6



2.75



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 50

Gearing data

Axial module 7.25
Number of starts 1
Lead angle 7° 14'
Pressure angle 20°

Backdriving

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