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]	3
Service factor		1.2
Rated Power P1	[kW]	3.71

Output data

Gear unit		**F RS 130 PC 56 100 B14 AC 48 B3**
Type		RS - Worm speed reducers
Input type		F
Size		130
Ratio (i=)		56
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	25
Rated output torque	[Nm]	813.66
Service Factor		1.2
Efficiency		0.71
Inertia moment	[kgm^2]	0.002666

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Shaft mounting
Version		PC

Output radial and axial loads

Ball bearings output radial load	[N]	9500
Taper bearings output radial load	[N]	14200
Ball bearings output axial load	[N]	1900
Taper bearings output axial load	[N]	2840

Accessories

Hollow output shaft		AC 48

Electric motor coupling

Size		100 B4
Poles n.		4
Power	[kW]	3

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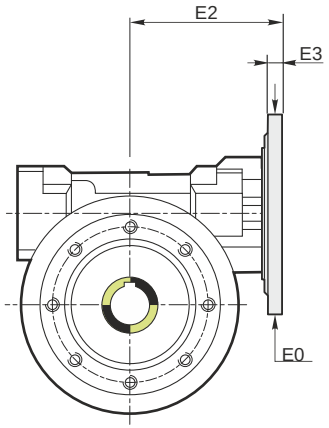

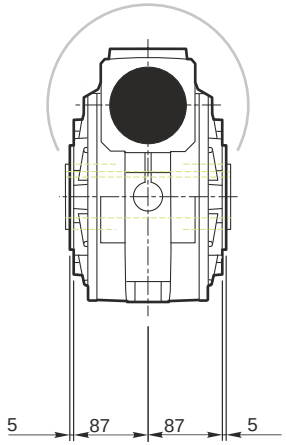

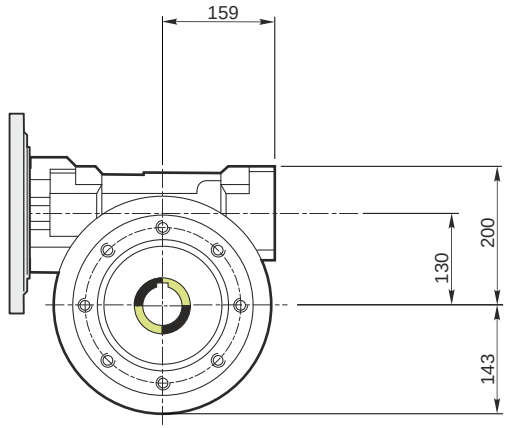

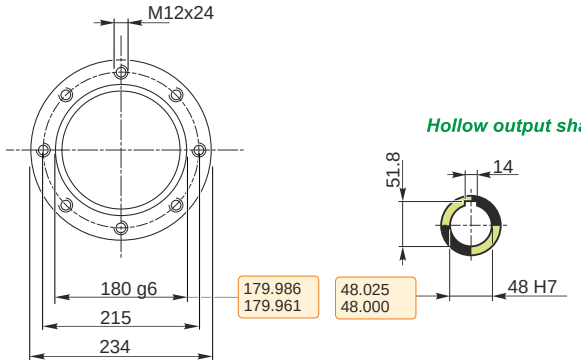

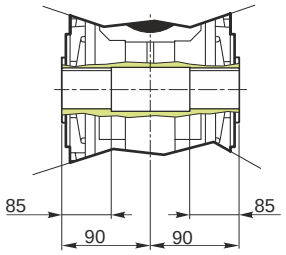

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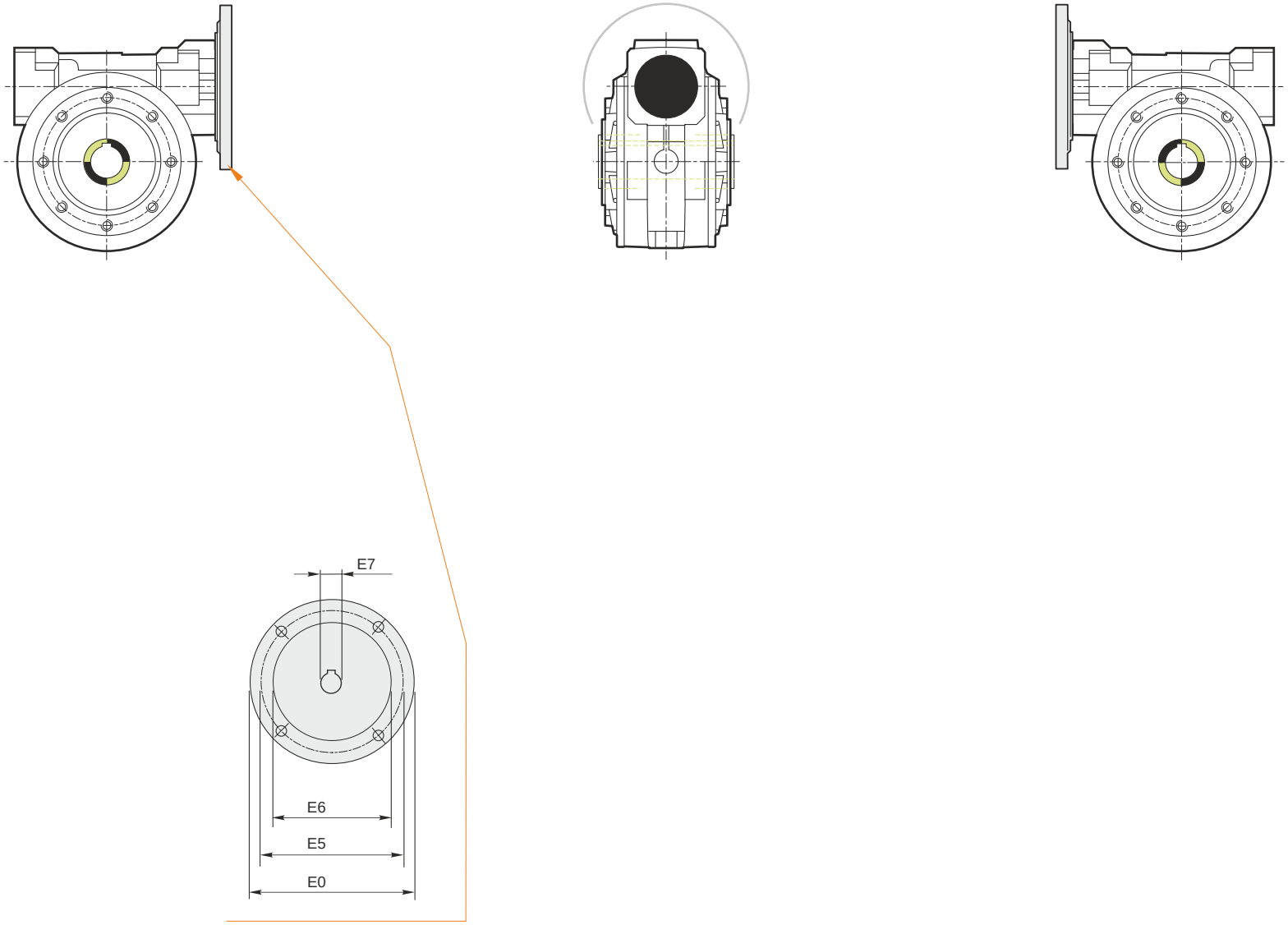

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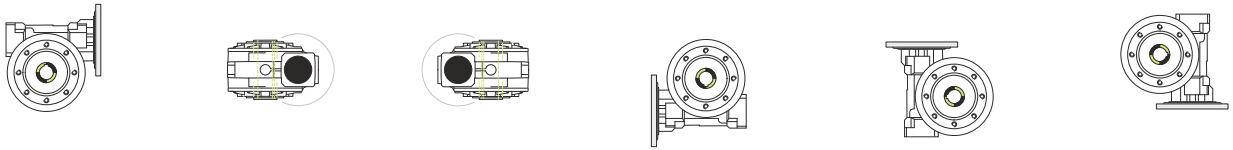
Mounting positions

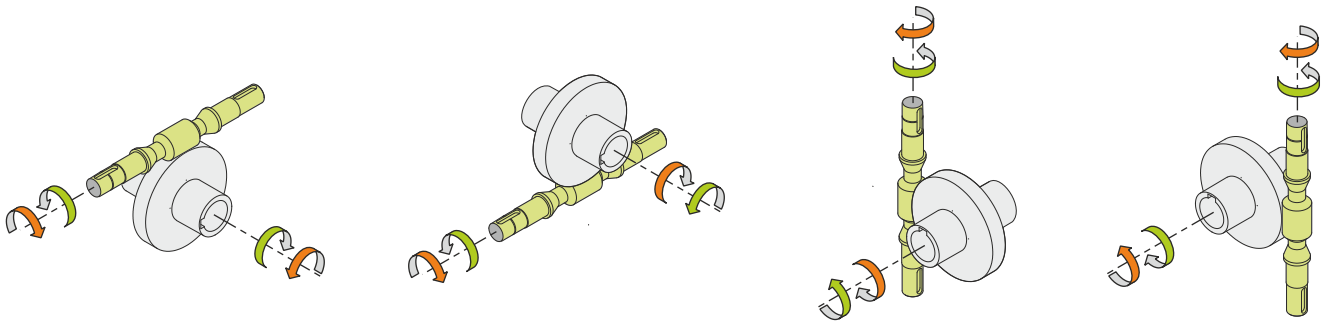
B3 B6 B7 B8 V5 V6



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	4.00
Number of starts	1
Lead angle	6° 20’
Pressure angle	20°

Backdriving

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

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