Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	200
Ratio (i=)		7
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	15
Service factor		1.7
Rated Power P1	[kW]	24.94

Output data

Gear unit		**F RS 150 PC 7 160 B5 AC 55 B3**
Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		150
Ratio (i=)		7
Input flange		
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	200
Rated output torque	[Nm]	637.46
Service Factor		1.7
Efficiency		0.89
Inertia moment	[kgm^2]	0.008174

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Shaft mounting
Version		PC

Output radial and axial loads

Ball bearings output radial load	[N]	6500
Taper bearings output radial load	[N]	9000
Ball bearings output axial load	[N]	1300
Taper bearings output axial load	[N]	1800

Accessories

Hollow output shaft		AC 55

Electric motor coupling

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

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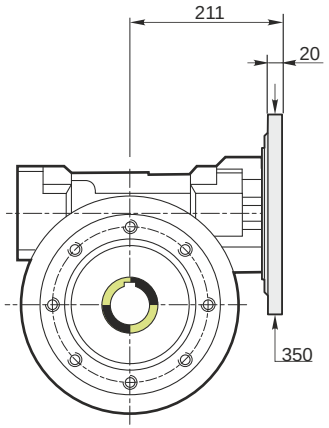

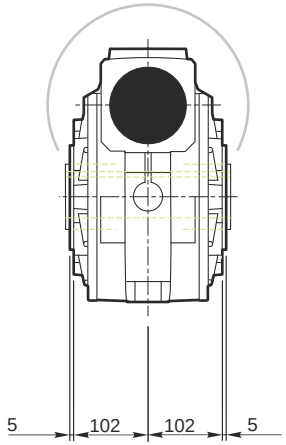

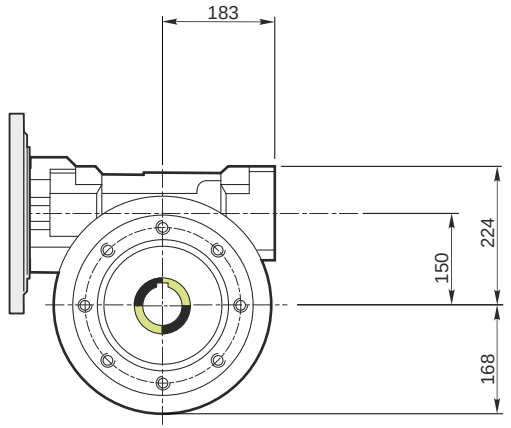

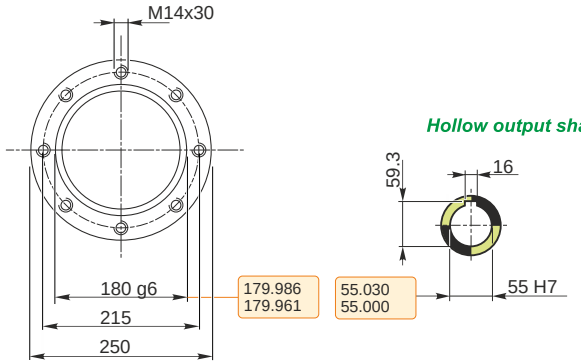

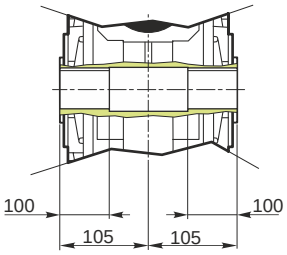

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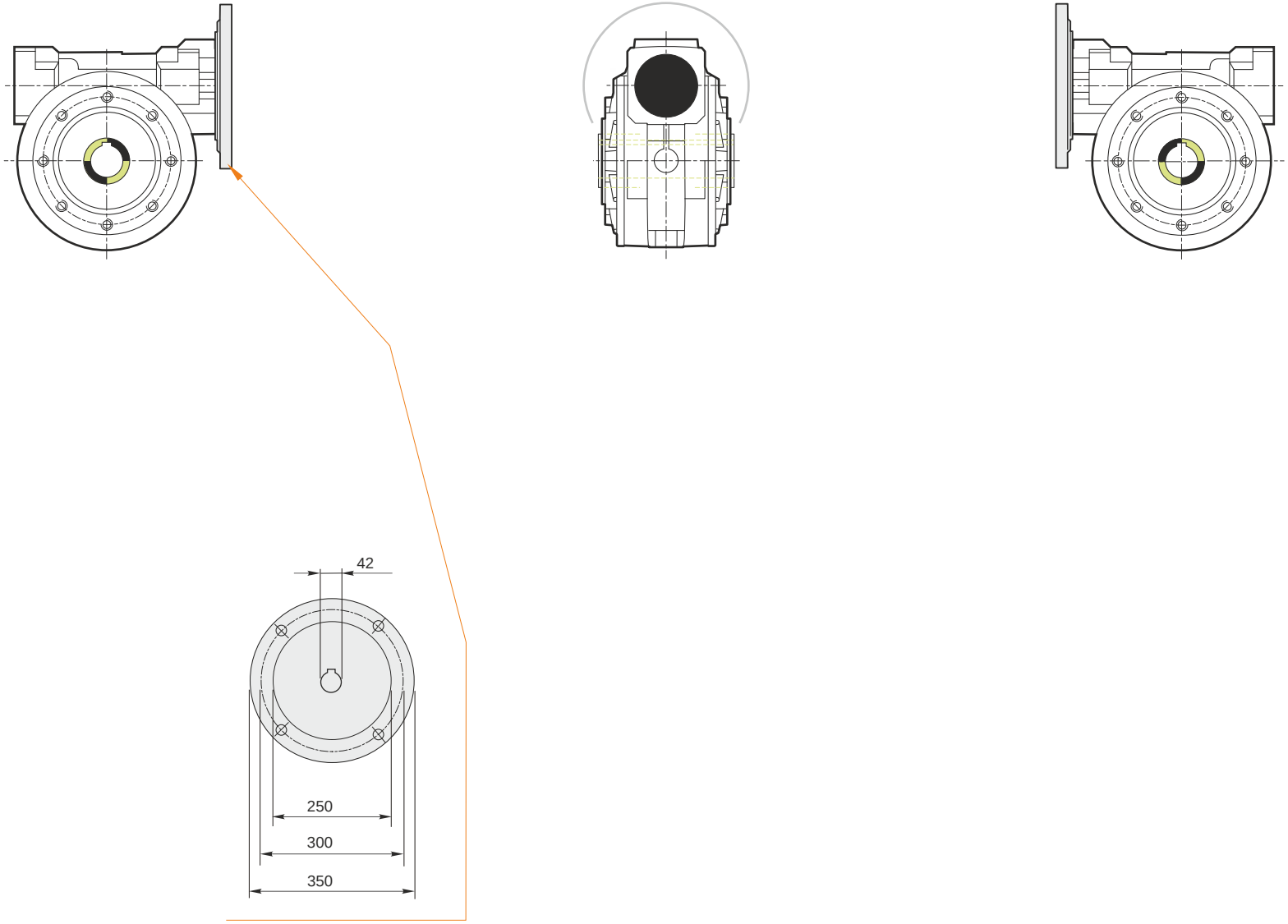

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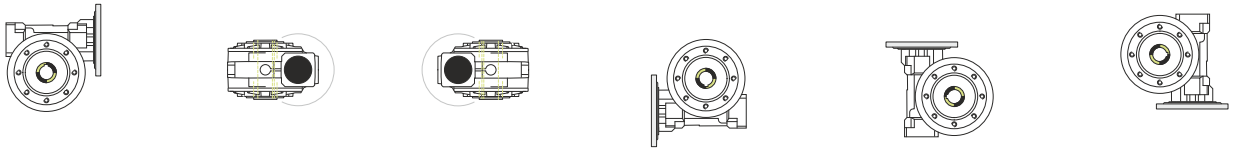
Mounting positions

B3 B6 B7 B8 V5 V6

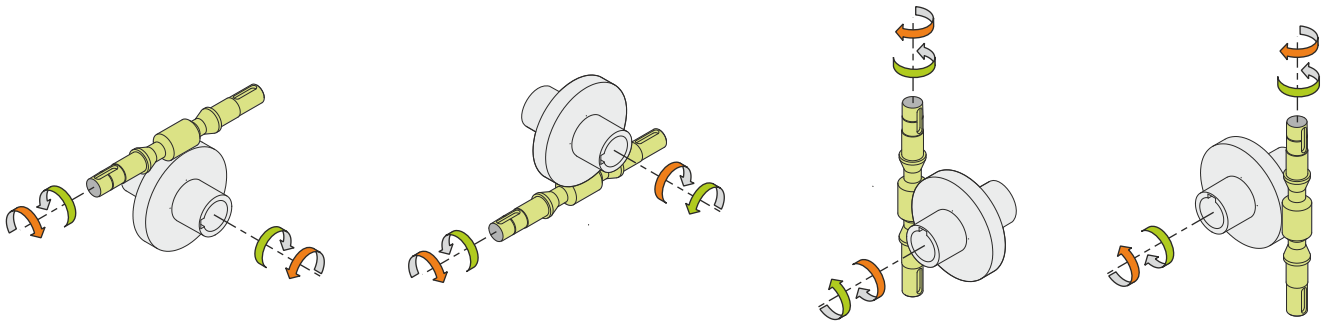


4.4

Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	80

Gearing data

Axial module	8.25
Number of starts	4
Lead angle	25° 33’
Pressure angle	20°

Backdriving

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

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