Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	70
Ratio (i=)		20
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.55
Service factor		1.1
Rated Power P1	[kW]	0.63

Output data

Gear unit		**M RS 50 PC 20 80 B14 AC 24 MT 0.55 kW 80 A4 B14 X3 B3**
Type		RS - Worm speed reducers
Input type		M
Size		50
Ratio (i=)		20
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	70
Rated output torque	[Nm]	57.03
Service Factor		1.1
Efficiency		0.76
Inertia moment	[kgm^2]	0.000049

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Shaft mounting
Version		PC

Output radial and axial loads

Ball bearings output radial load	[N]	1900
Taper bearings output radial load	[N]	2600
Ball bearings output axial load	[N]	380
Taper bearings output axial load	[N]	520

Accessories

Hollow output shaft		AC 24

Electric motor

Size		80 A4
Poles		4
Power	[kW]	0.55

Electric motor configuration

Motor flange		B14
Terminal box position		X3

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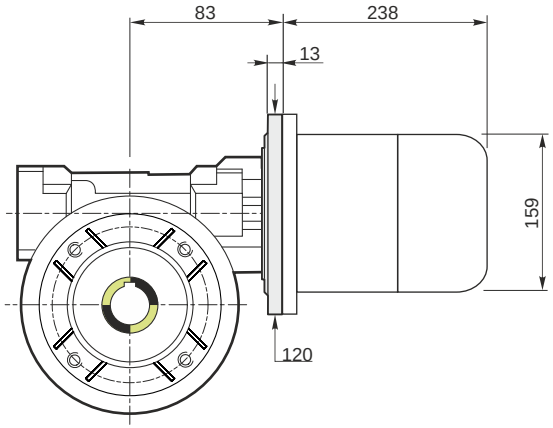
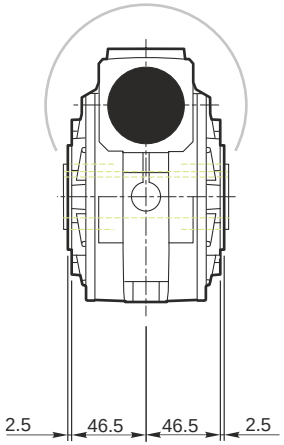
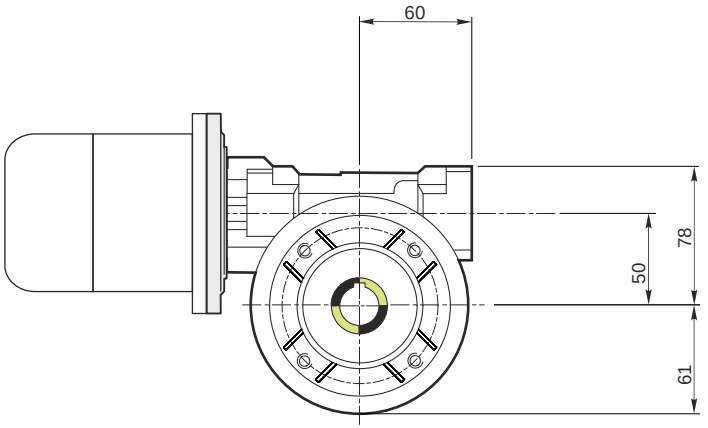
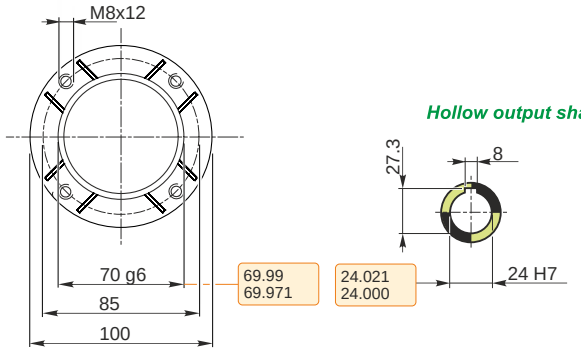
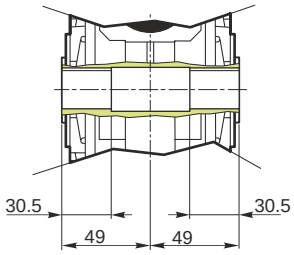








Hollow output shaft



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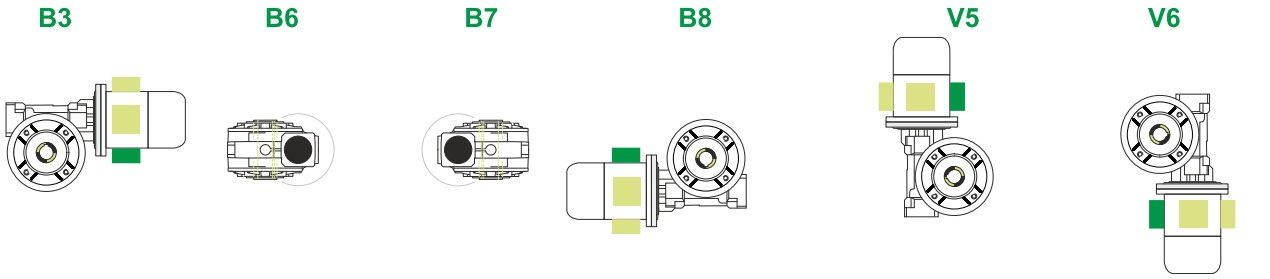
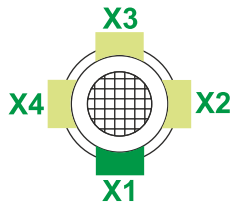
Mounting positions



Terminal box position

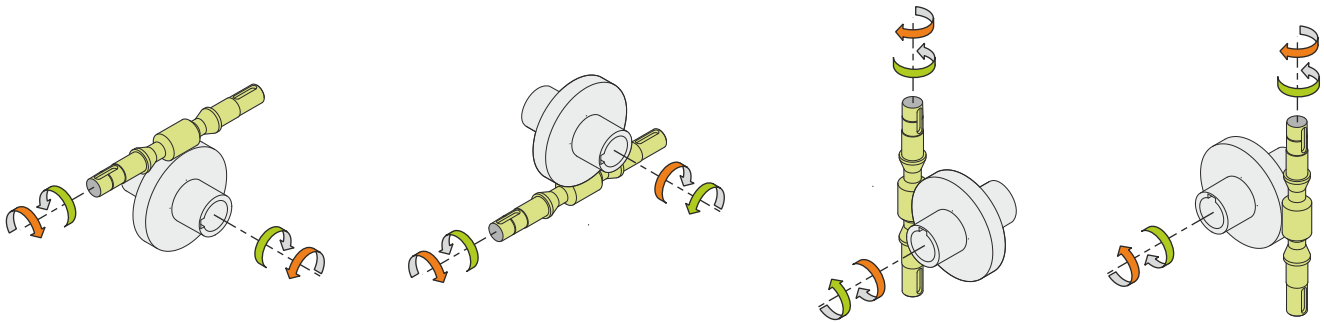


0.13

Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	3.8
Electric motor [kg]	9.8

Gearing data

Axial module	1.9
Number of starts	2
Lead angle	8° 59’
Pressure angle	20°

Backdriving

Variable static self-locking
Quick back-driving in case of vibrations
Dynamic back-driving

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