

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	50
Ratio (i=)		28
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.1
Service factor		1.4
Rated Power P1	[kW]	1.51

Output data

Gear unit M RT 70 B3 28 90 B14 AC 28 MT 1.1 kW 90 S4 B14 X3

Type		RT - Worm speed reducers
Input type		M
Size		70
Ratio (i=)		28
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	50
Rated output torque	[Nm]	157.57
Service Factor		1.4
Efficiency		0.75
Inertia moment	[kgm ²]	0.000247

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Universal
Version		B3

Output radial and axial loads

Ball bearings output radial load	[N]	4200
Taper bearings output radial load	[N]	5600
Ball bearings output axial load	[N]	840
Taper bearings output axial load	[N]	1120

Accessories

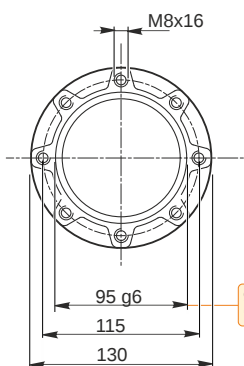
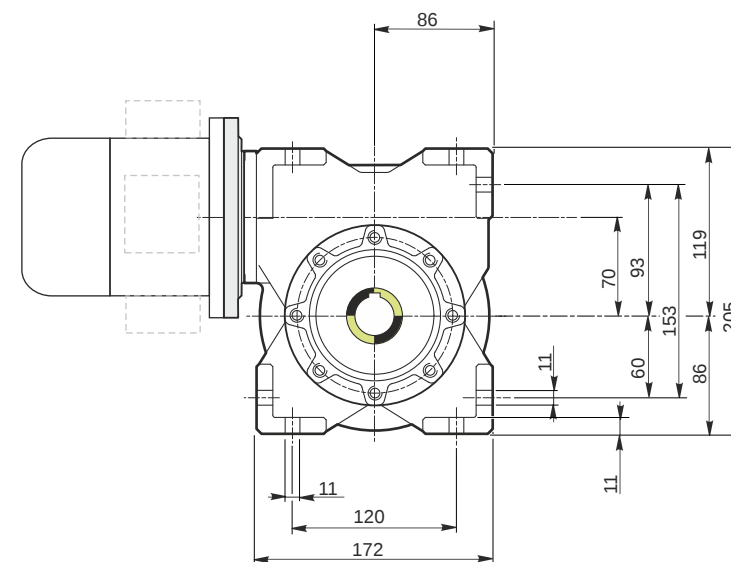
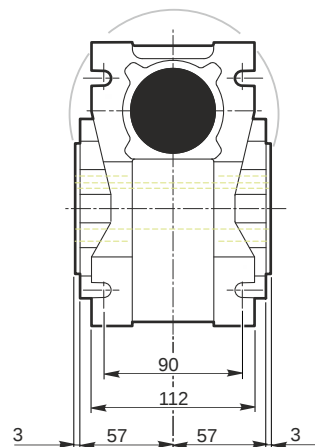
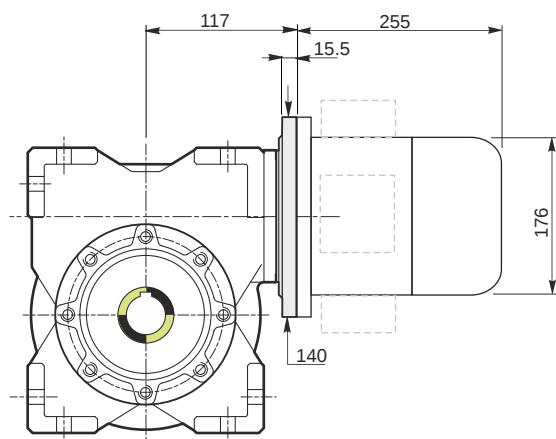
Hollow output shaft		AC 28
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Electric motor

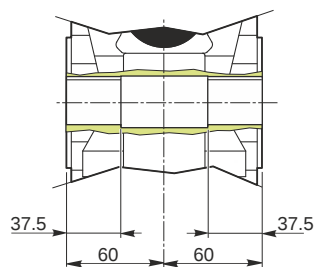
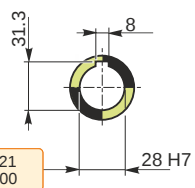
Size		90 S4
Poles		4
Power	[kW]	1.1

Electric motor configuration

Motor flange		B14
Terminal box position		X3

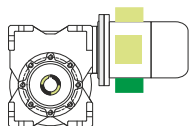


Hollow output shaft

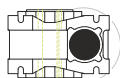


Mounting positions

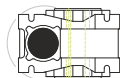
B3



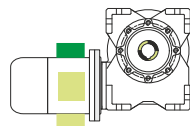
B6



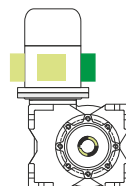
B7



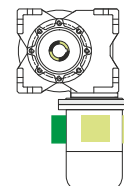
B8



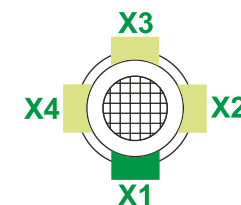
V5



V6



Terminal box position



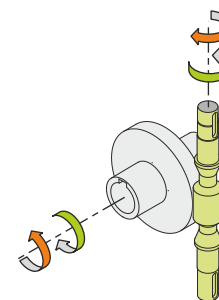
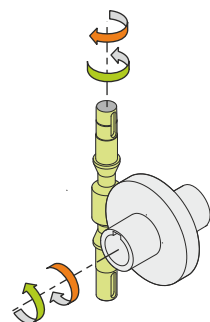
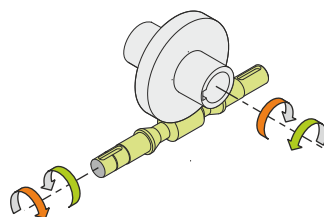
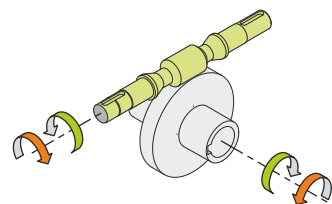
0.35



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	9
Electric motor [kg]	12

Gearing data

Axial module	3.9
Number of starts	1
Lead angle	7° 12'
Pressure angle	20°

Backdriving

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