

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	14.66
Ratio (i=)		95.48
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.1
Service factor		1
Rated Power P1	[kW]	1.14

Output data

Gear unit **M TA 80/85 B3 10 95.48 90 B14 AC 32 MT 1.1 kW 90 S4 B14 X3**

Type		TA - Worm speed reducers
Input type		M
Size		80/85
Ratio (i=)		95.48
Gearbox ratio		28.00
Pre-stage ratio		3.41
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	14.66
Rated output torque	[Nm]	458.52
Service Factor		1
Efficiency		0.64
Inertia moment	[kgm ²]	0.000401

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Universal
Version		B3
Attachment position		10

Output radial and axial loads

Ball bearings output radial load	[N]	8250
Taper bearings output radial load	[N]	9400
Ball bearings output axial load	[N]	1650
Taper bearings output axial load	[N]	1880

Accessories

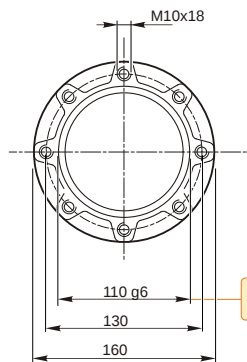
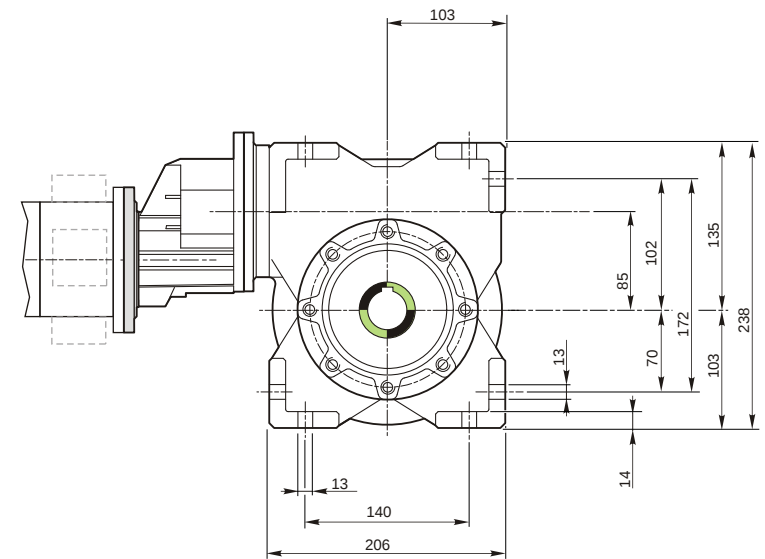
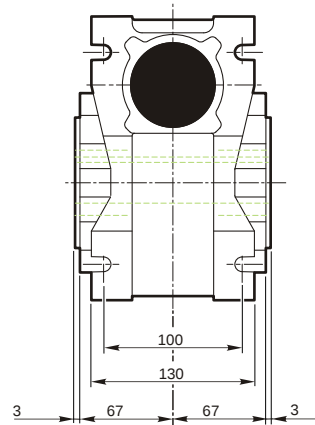
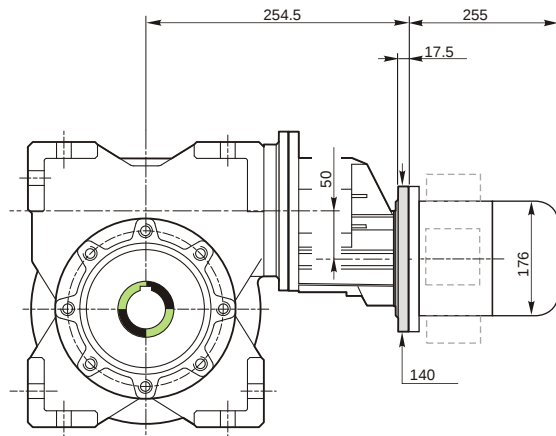
Hollow output shaft		AC 32
---------------------	--	-------

Electric motor

Size		90 S4
Poles		4
Power	[kW]	1.1

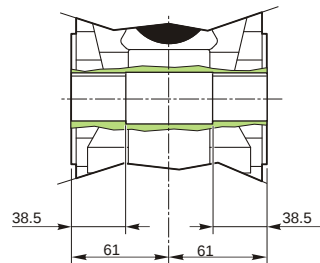
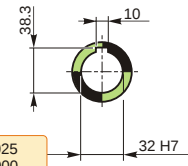
Electric motor configuration

Motor flange		B14
Terminal box position		X3

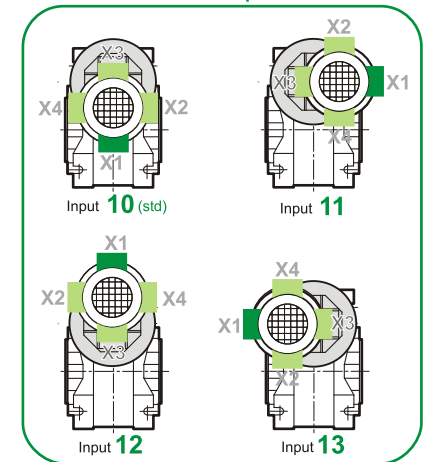


109.988
109.966

Hollow output shaft



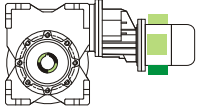
Attachment position



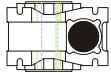
M TA 80/85 B3 10 95.48 90 B14 AC 32 MT 1.1 kW 90 S4 B14 X3

Mounting positions

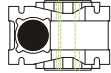
B3



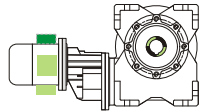
B6



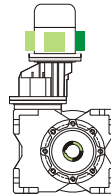
B7



B8



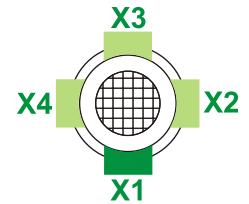
V5



V6



Terminal box position

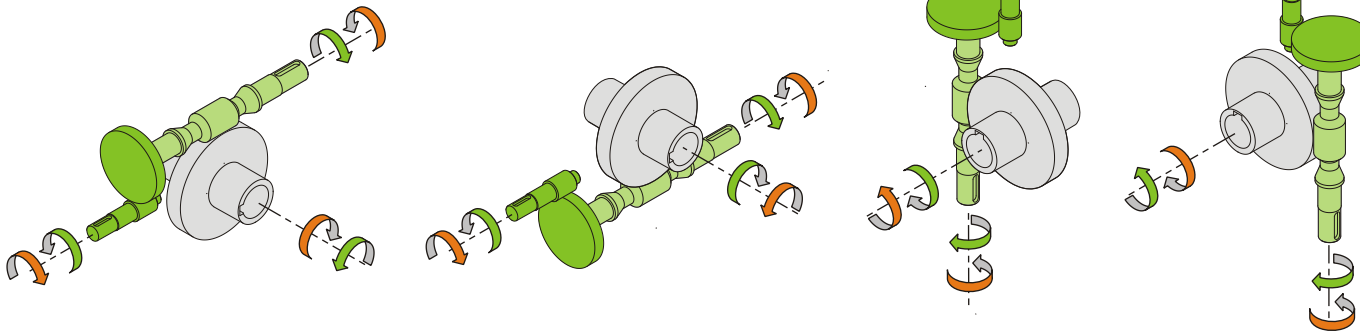


0.1	1	
0.6	2	

← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	17.5
Electric motor [kg]	12

Gearing data

Axial module	4.7
Number of starts	1
Lead angle	6° 58'
Pressure angle	20°

Backdriving

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

M TA 80/85 B3 10 95.48 90 B14 AC 32 MT 1.1 kW 90 S4 B14 X3