

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]	3
Service factor		1
Rated Power P1	[kW]	2.88

Output data

Gear unit	M RT 85 B3 20 100 B14 AC 35 BT LH MT 3 kW 100 B4 B14 X3
-----------	---

Type		RT - Worm speed reducers
Input type		M
Size		85
Ratio (i=)		20
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	70
Rated output torque	[Nm]	335.61
Service Factor		1
Efficiency		0.82
Inertia moment	[kgm ²]	0.000357

Gear unit configuration

Output shaft	Hollow output shaft
Version	B3

Output radial and axial loads

Ball bearings output radial load	[N]	4700
Taper bearings output radial load	[N]	6300
Ball bearings output axial load	[N]	940
Taper bearings output axial load	[N]	1260

Accessories

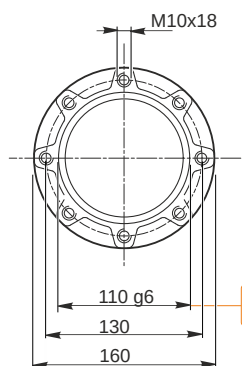
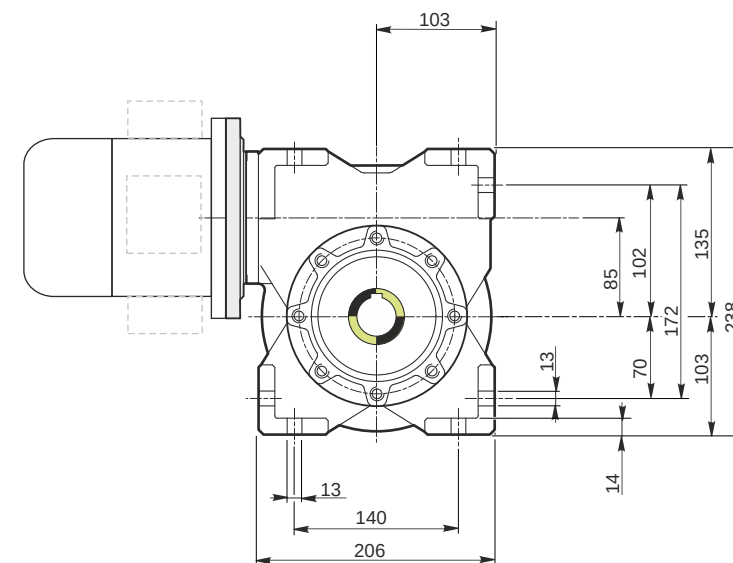
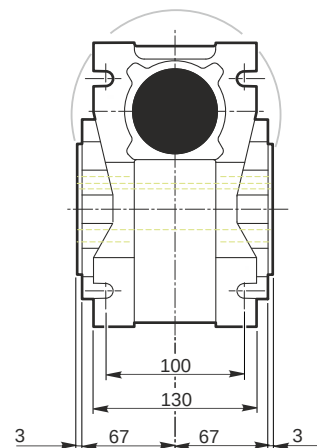
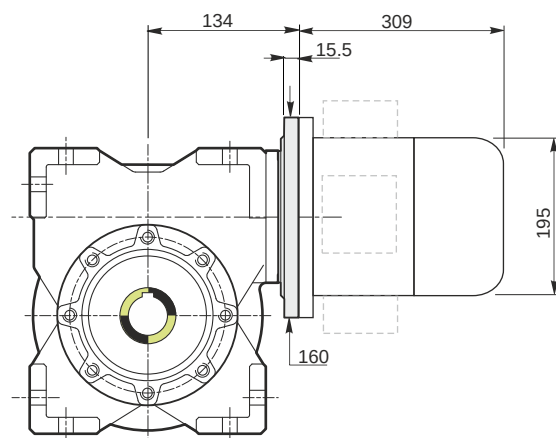
Hollow output shaft	AC 35
Torque arm	BT LH

Electric motor

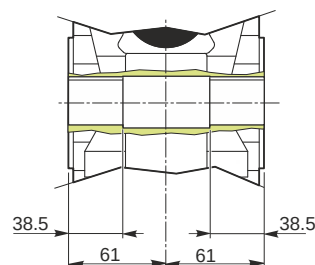
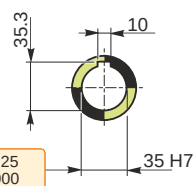
Size		100 B4
Poles		4
Power	[kW]	3

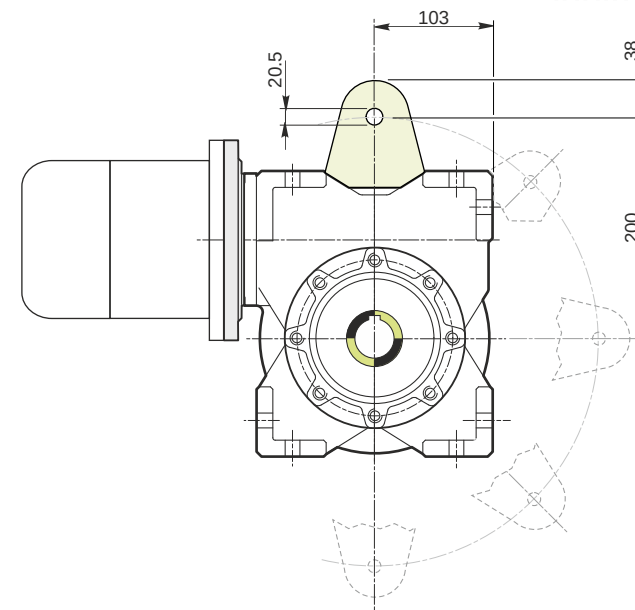
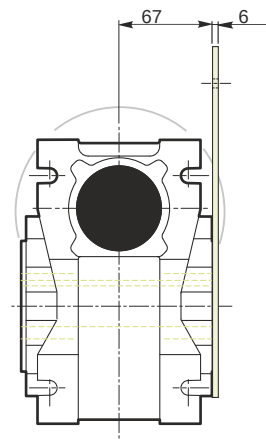
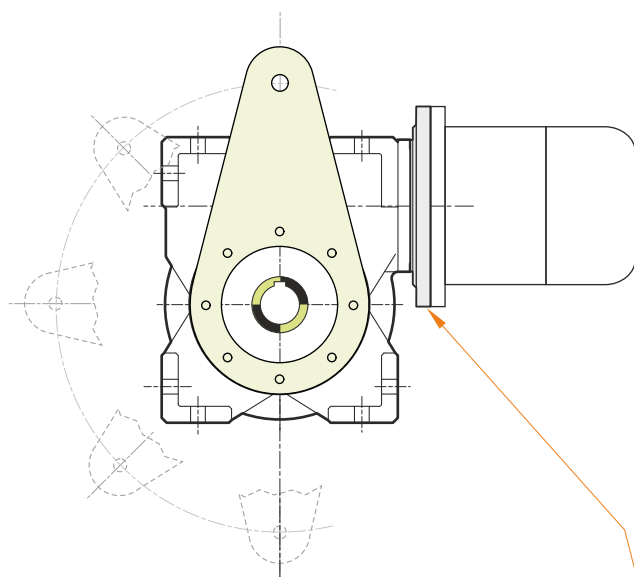
Electric motor configuration

Motor flange	B14
Terminal box position	X3

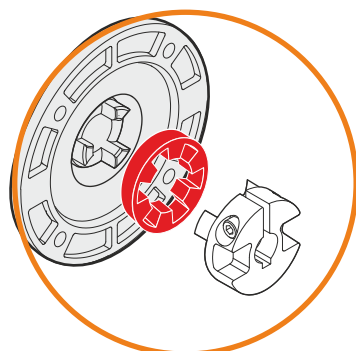


Hollow output shaft

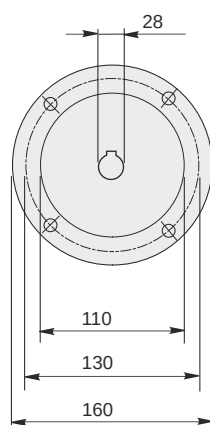




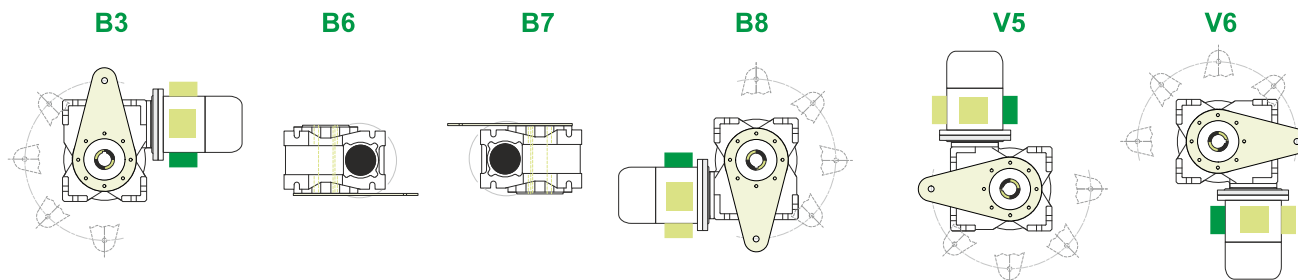
! Torque arm is delivered as loose accessory



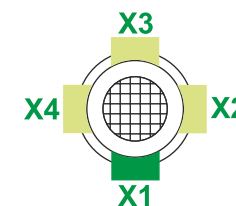
This gear unit is provided with an elastic coupling motor fitting (more info)



Mounting positions



Terminal box position



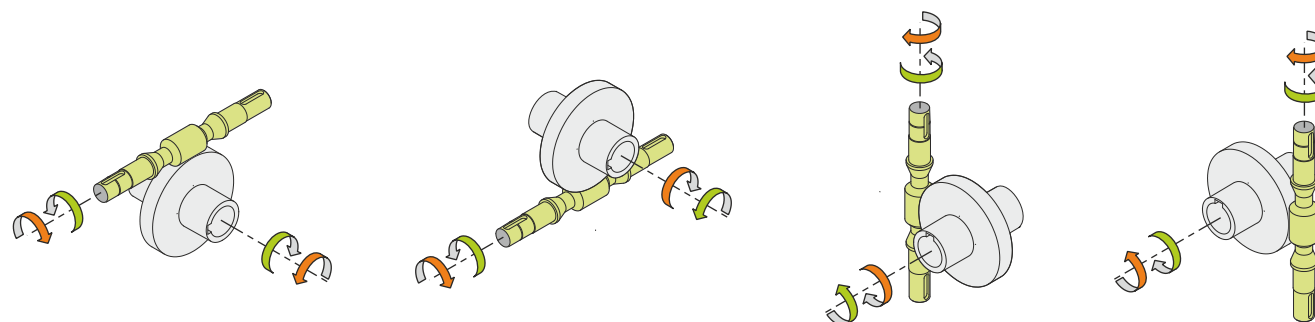
0.6



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	13.5
Electric motor [kg]	21

Gearing data

Axial module	3.4
Number of starts	2
Lead angle	11° 18'
Pressure angle	20°

Backdriving

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