

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	93.33
Ratio (i=)		15
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.75
Service factor		1.2
Rated Power P1	[kW]	0.93

Output data

Gear unit **F RT 50 B3 15 80 B14 AC 24**

Type		RT - Worm speed reducers
Input type		F (Elastic coupling)
Size		50
Ratio (i=)		15
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	93.33
Rated output torque	[Nm]	59.86
Service Factor		1.2
Efficiency		0.78
Inertia moment	[kgm ²]	0.00005

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Universal
Version	B3

Output radial and axial loads

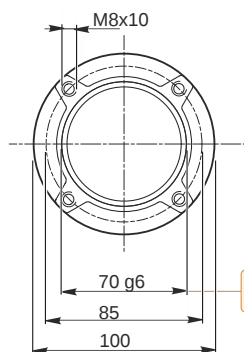
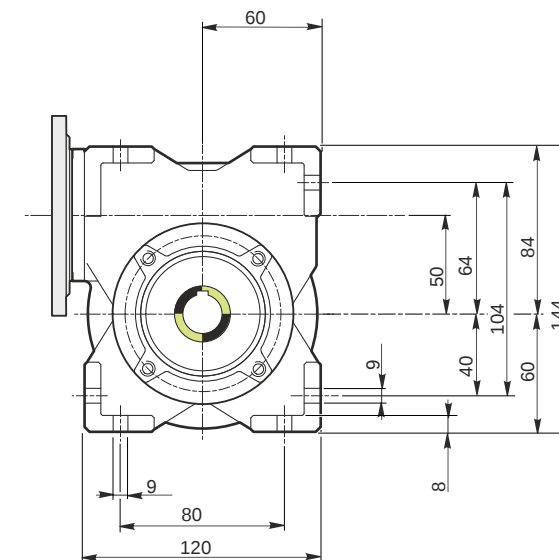
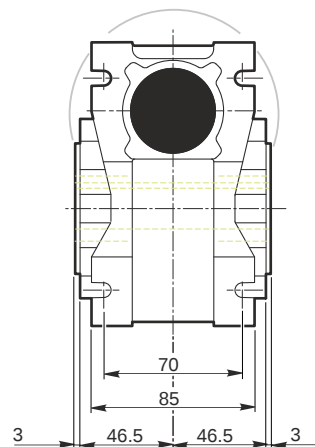
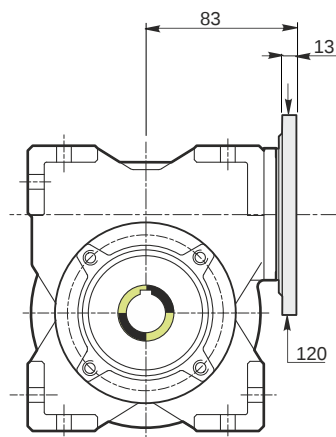
Ball bearings output radial load	[N]	1700
Taper bearings output radial load	[N]	2400
Ball bearings output axial load	[N]	340
Taper bearings output axial load	[N]	480

Accessories

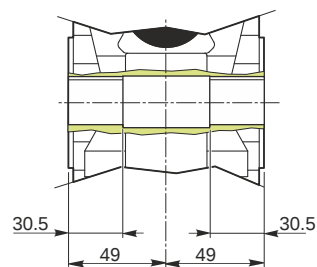
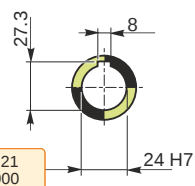
Hollow output shaft	AC 24
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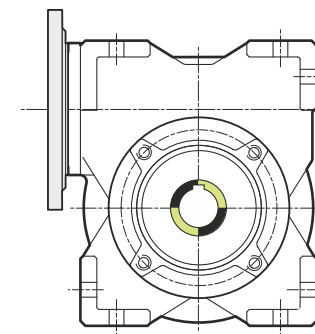
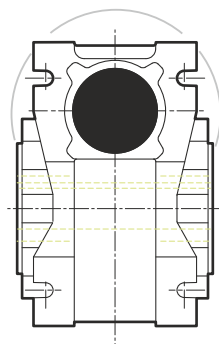
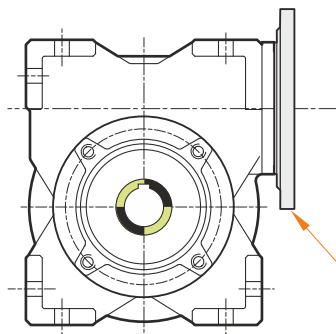
Electric motor coupling

Size		80 B4
Poles n.		4
Power	[kW]	0.75

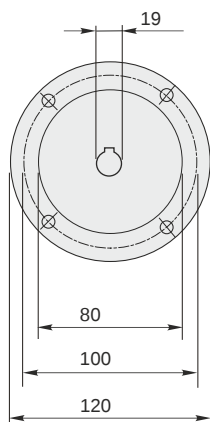


Hollow output shaft



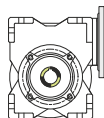


This gear unit is provided with an elastic coupling motor fitting



Mounting positions

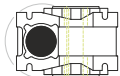
B3



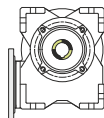
B6



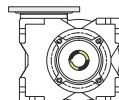
B7



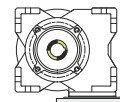
B8



V5



V6



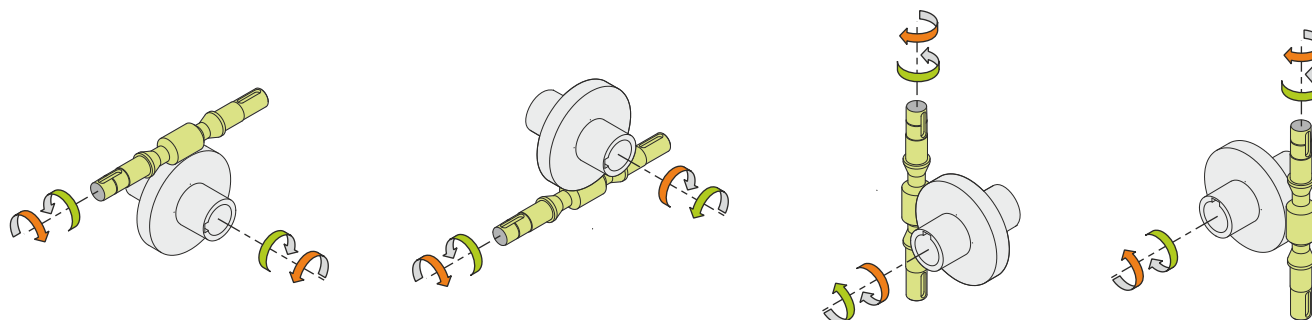
0.13



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 3.8

Gearing data

Axial module	2.5
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