

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	25
Ratio (i=)		56
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.75
Service factor		1
Rated Power P1	[kW]	0.74

Output data

Gear unit **F RT 70 B3 56 80 B14 AC 28**

Type		RT - Worm speed reducers
Input type		F (Elastic coupling)
Size		70
Ratio (i=)		56
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	25
Rated output torque	[Nm]	183.36
Service Factor		1
Efficiency		0.64
Inertia moment	[kgm ²]	0.000244

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Universal
Version	B3

Output radial and axial loads

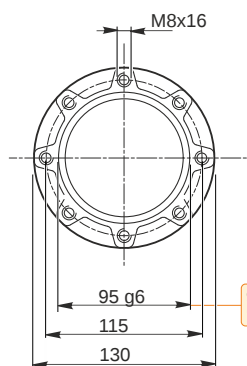
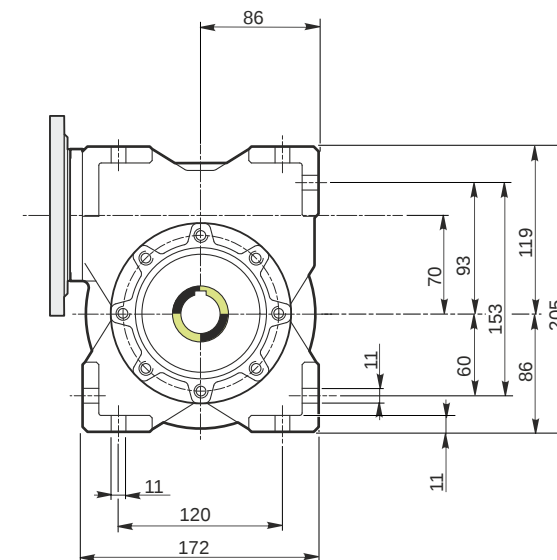
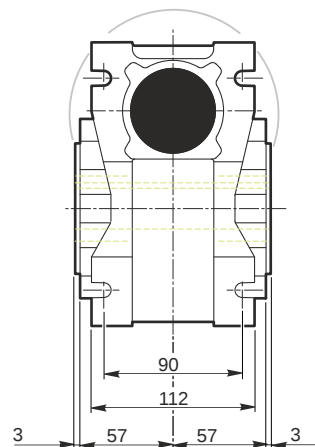
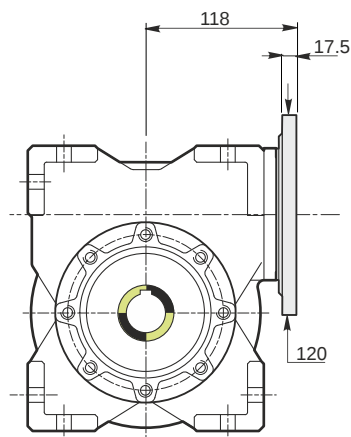
Ball bearings output radial load	[N]	5500
Taper bearings output radial load	[N]	7300
Ball bearings output axial load	[N]	1100
Taper bearings output axial load	[N]	1460

Accessories

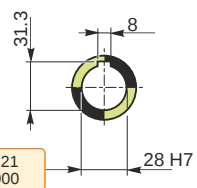
Hollow output shaft	AC 28
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Electric motor coupling

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

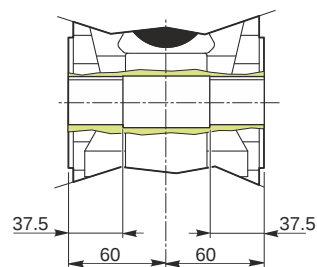


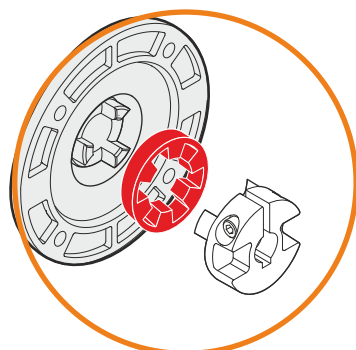
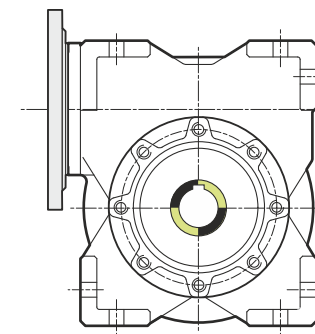
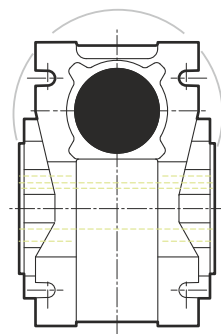
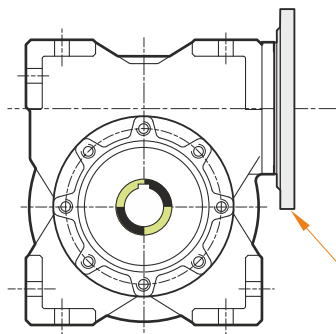
Hollow output shaft



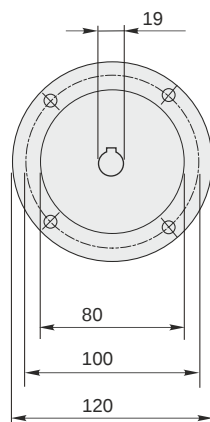
94.988
94.966

28.021
28.000



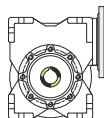


This gear unit is provided with an elastic coupling motor fitting

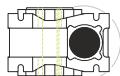


Mounting positions

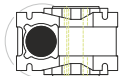
B3



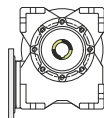
B6



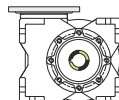
B7



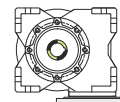
B8



V5



V6



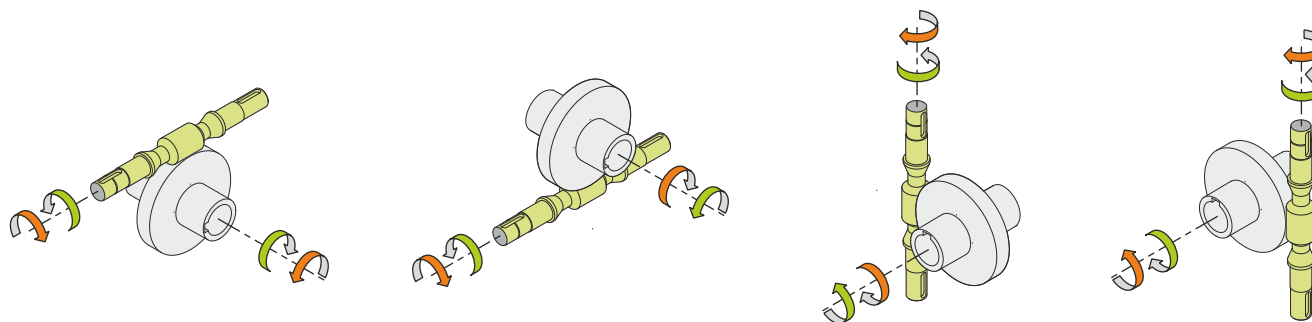
0.35



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 9

Gearing data

Axial module	2
Number of starts	1
Lead angle	4° 05'
Pressure angle	20°

Backdriving

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