

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	140
Ratio (i=)		10
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.5
Service factor		1.5
Rated Power P1	[kW]	2.32

Output data

Gear unit F RS 60 PC 10 90 B14 AC 25 B3

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		60
Ratio (i=)		10
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	140
Rated output torque	[Nm]	85.95
Service Factor		1.5
Efficiency		0.84
Inertia moment	[kgm ²]	0.000119

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

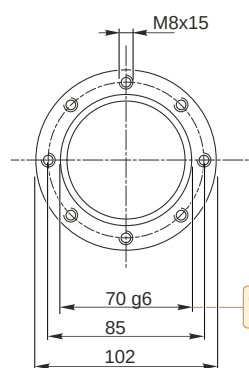
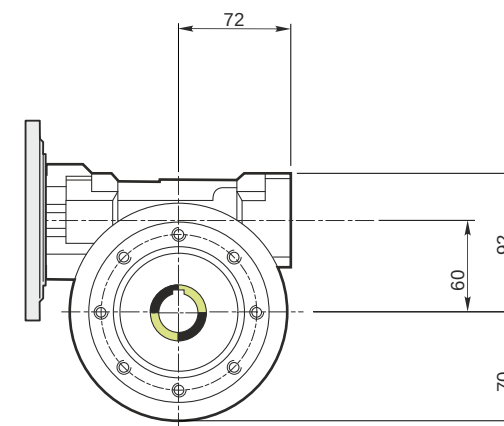
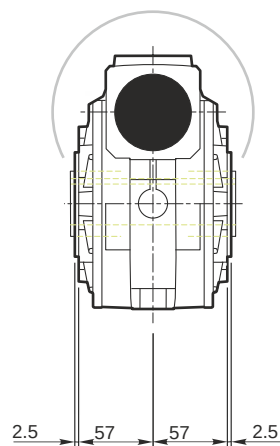
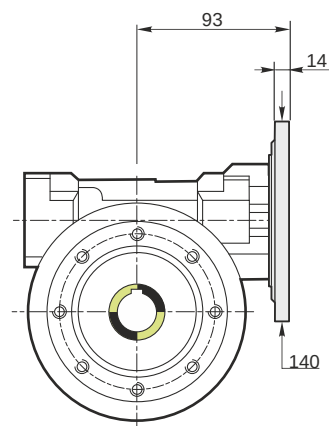
Ball bearings output radial load	[N]	2500
Taper bearings output radial load	[N]	3200
Ball bearings output axial load	[N]	500
Taper bearings output axial load	[N]	640

Accessories

Hollow output shaft	AC 25
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Electric motor coupling

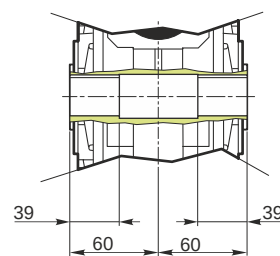
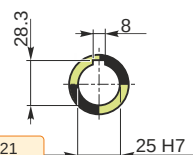
Size		90 L4
Poles n.		4
Power	[kW]	1.5

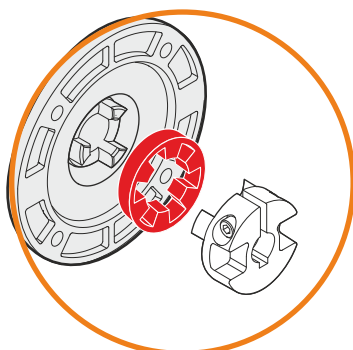
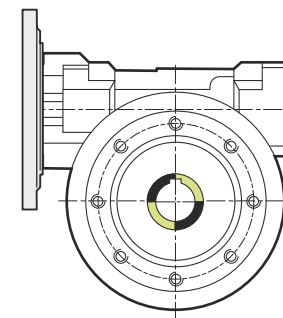
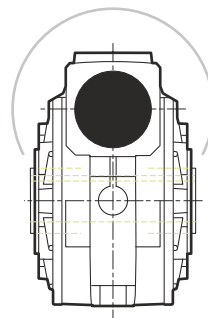
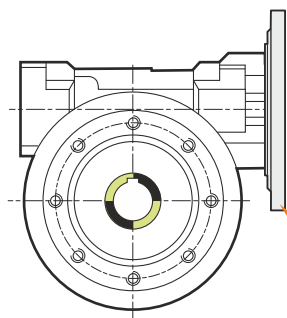


69.99
69.971

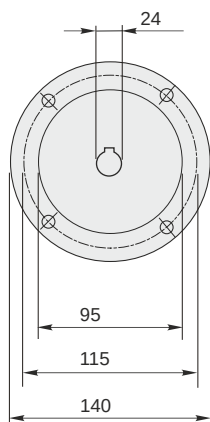
25.021
25.000

Hollow output shaft



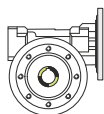


This gear unit is provided with an elastic coupling motor fitting

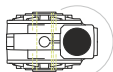


Mounting positions

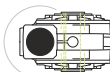
B3



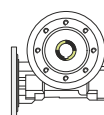
B6



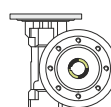
B7



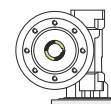
B8



V5



V6



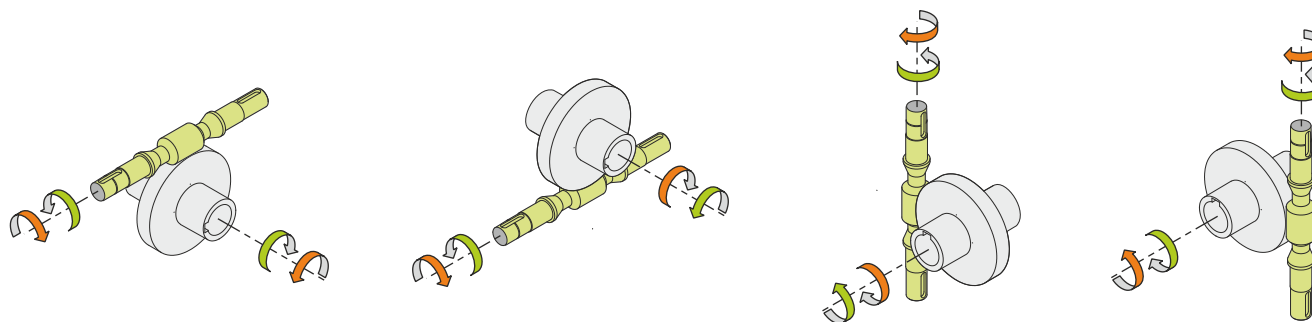
0.23



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 6.5

Gearing data

Axial module	3.1
Number of starts	3
Lead angle	19 °0'
Pressure angle	20°

Backdriving

Static back-driving
Quick back-driving
Dynamic back-driving