

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	20
Ratio (i=)		70
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.37
Service factor		1.3
Rated Power P1	[kW]	0.46

Output data

Gear unit **F RS 60 PC 70 71 B14 AC 25 B3**

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		60
Ratio (i=)		70
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	20
Rated output torque	[Nm]	97.17
Service Factor		1.3
Efficiency		0.55
Inertia moment	[kgm ²]	0.000104

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

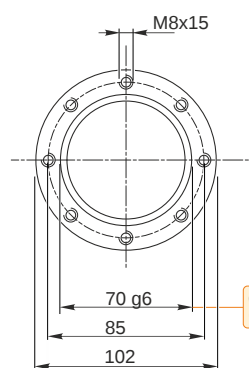
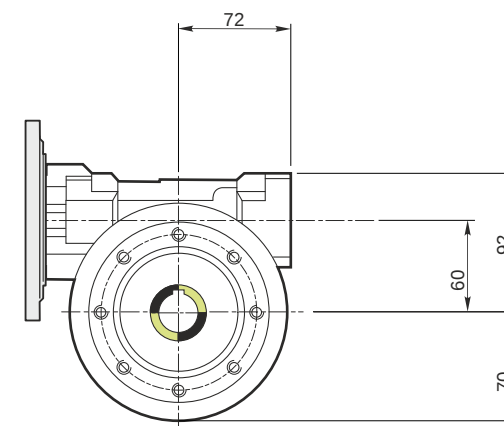
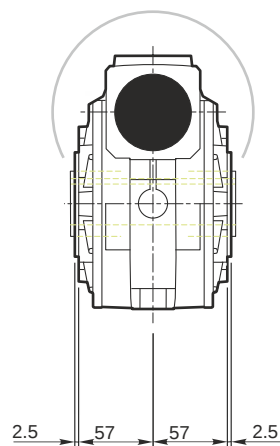
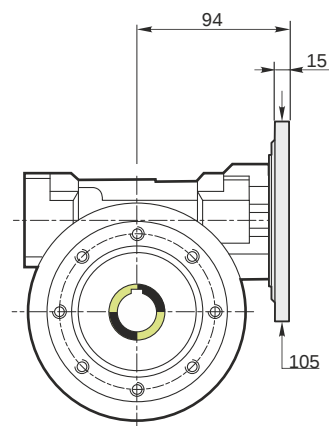
Ball bearings output radial load	[N]	5000
Taper bearings output radial load	[N]	6600
Ball bearings output axial load	[N]	1000
Taper bearings output axial load	[N]	1320

Accessories

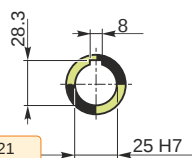
Hollow output shaft	AC 25
---------------------	-------

Electric motor coupling

Size		71 B4
Poles n.		4
Power	[kW]	0.37

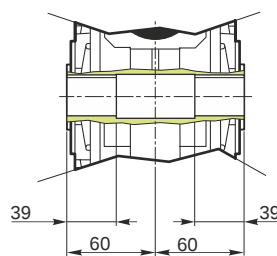


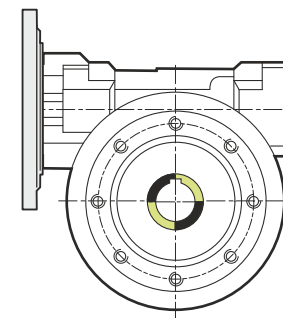
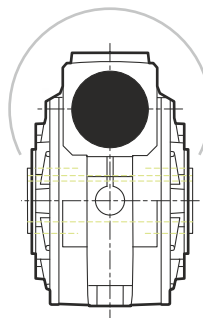
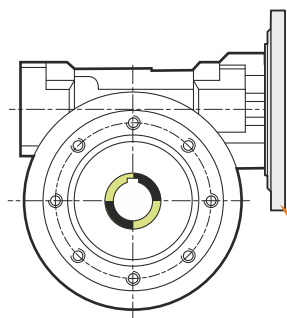
Hollow output shaft



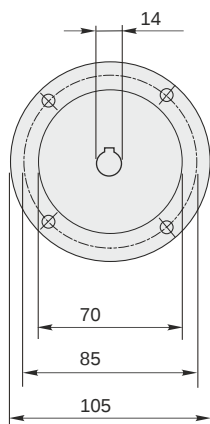
69.99
69.971

25.021
25.000



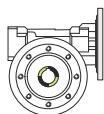


This gear unit is provided with an elastic coupling motor fitting



Mounting positions

B3



B6



B7



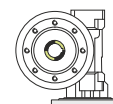
B8



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	1.4
Number of starts	1
Lead angle	3° 38'
Pressure angle	20°

Backdriving

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