

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	14
Ratio (i=)		100
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.13
Service factor		1
Rated Power P1	[kW]	0.13

Output data

Gear unit **F RS 50 PC 100 63 B14 AC 24 B3**

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		50
Ratio (i=)		100
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	14
Rated output torque	[Nm]	41.68
Service Factor		1
Efficiency		0.47
Inertia moment	[kgm ²]	0.000047

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

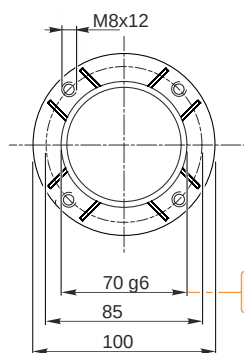
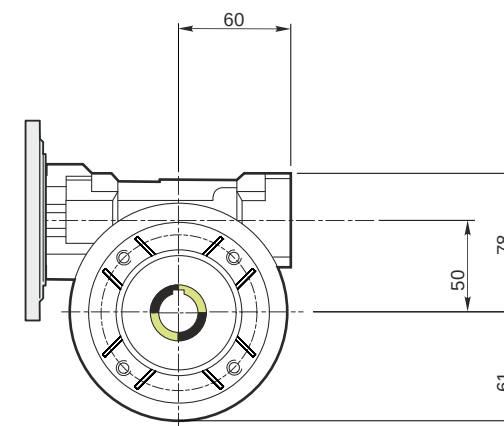
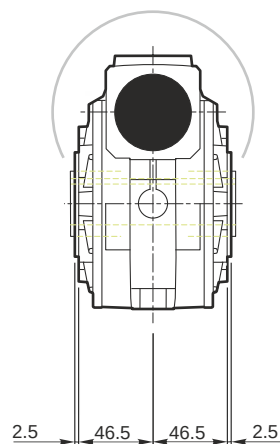
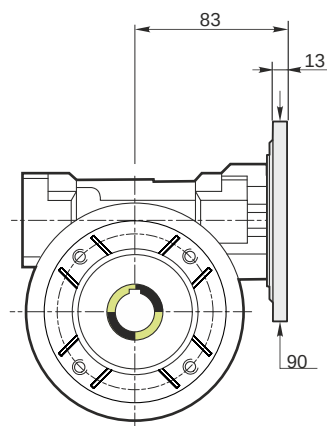
Ball bearings output radial load	[N]	3200
Taper bearings output radial load	[N]	4200
Ball bearings output axial load	[N]	640
Taper bearings output axial load	[N]	840

Accessories

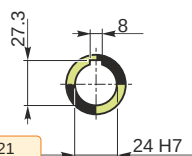
Hollow output shaft	AC 24
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Electric motor coupling

Size		63 A4
Poles n.		4
Power	[kW]	0.13

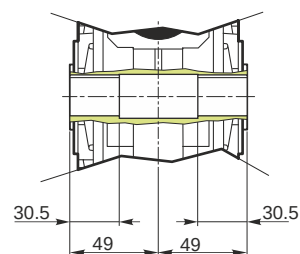


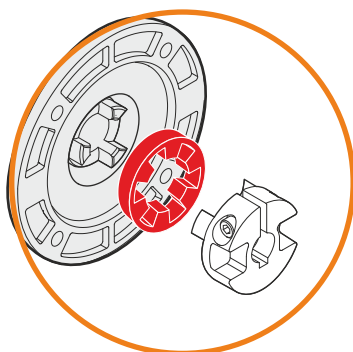
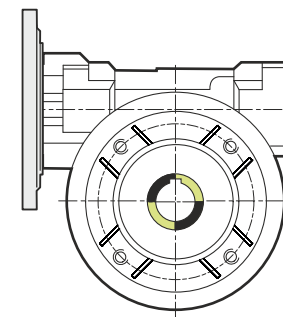
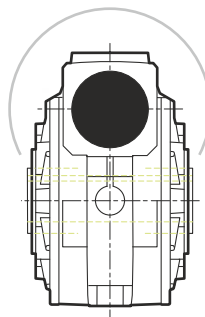
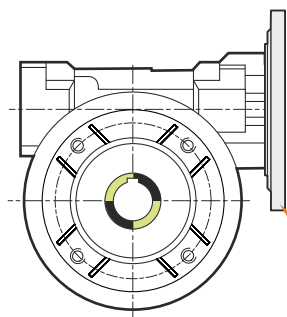
Hollow output shaft



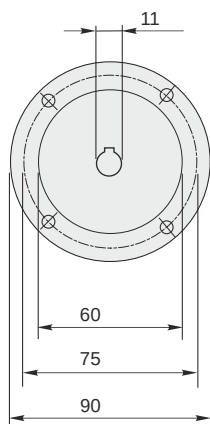
69.99
69.971

24.021
24.000



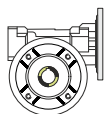


This gear unit is provided with an elastic coupling motor fitting

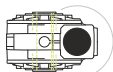


Mounting positions

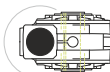
B3



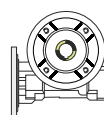
B6



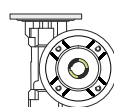
B7



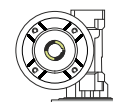
B8



V5



V6



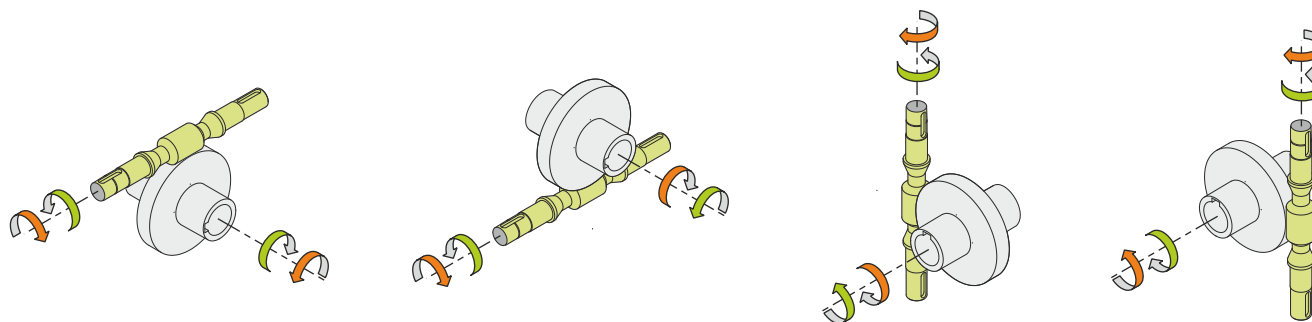
0.13



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 3.8

Gearing data

Axial module 0.8
Number of starts 1
Lead angle 2° 17'
Pressure angle 20°

Backdriving

Static self-locking
No back-driving
Low dynamic back-driving

F RS 50 PC 100 63 B14 AC 24 B3