

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]	0.18
Service factor		1.8
Rated Power P1	[kW]	0.33

Output data

Gear unit **F RS 28 PC 10 63 B14 AC 14 B3**

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		28
Ratio (i=)		10
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	140
Rated output torque	[Nm]	9.95
Service Factor		1.8
Efficiency		0.81
Inertia moment	[kgm ²]	0.000006

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

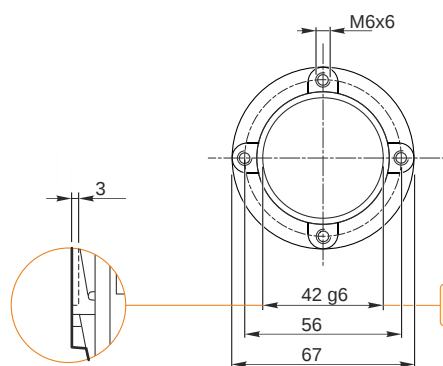
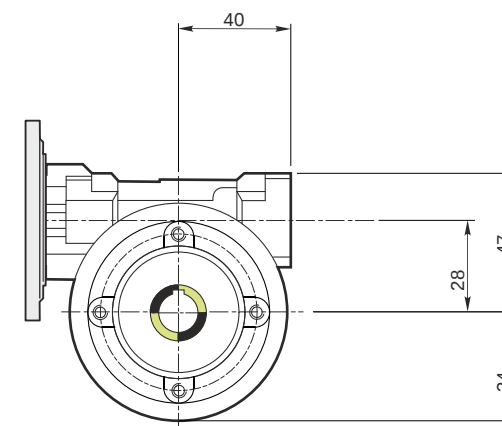
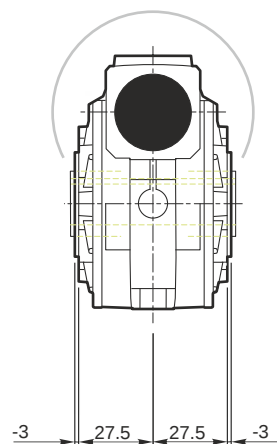
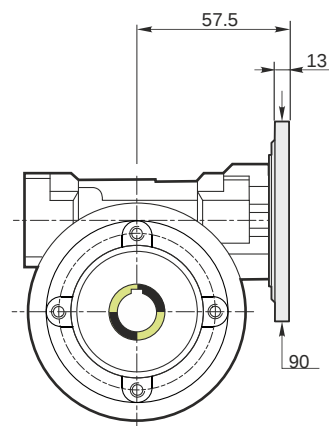
Ball bearings output radial load	[N]	500
Taper bearings output radial load	[N]	750
Ball bearings output axial load	[N]	100
Taper bearings output axial load	[N]	150

Accessories

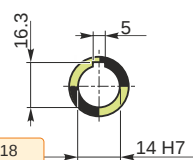
Hollow output shaft	AC 14
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Electric motor coupling

Size		63 B4
Poles n.		4
Power	[kW]	0.18

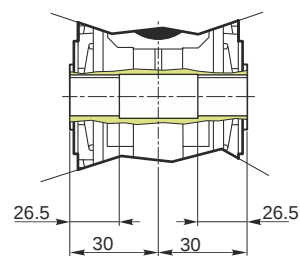


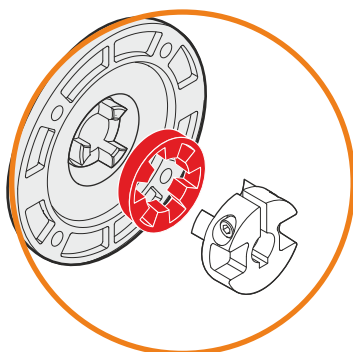
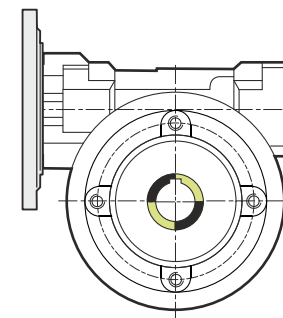
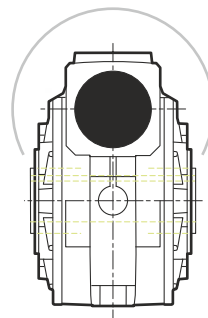
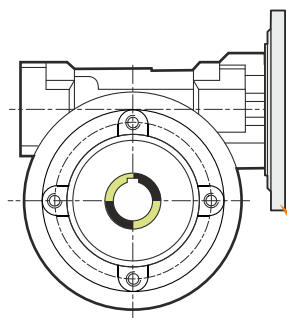
Hollow output shaft



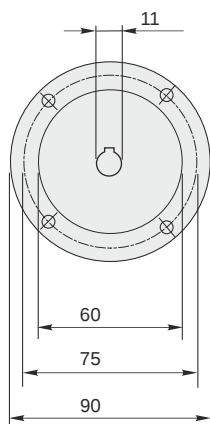
41.991
41.975

14.018
14.000



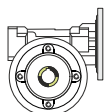


This gear unit is provided with an elastic coupling motor fitting



Mounting positions

B3



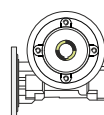
B6



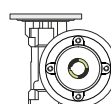
B7



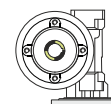
B8



V5



V6



0.03



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 1.1

Gearing data

Axial module 1.4
Number of starts 3
Lead angle 16° 41'
Pressure angle 20°

Backdriving

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