

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	93.33
Ratio (i=)		15
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	3
Service factor		1.1
Rated Power P1	[kW]	3.4

Output data

Gear unit F RS 85 PC 15 100 B14 AC 32 B3

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		85
Ratio (i=)		15
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	93.33
Rated output torque	[Nm]	254.78
Service Factor		1.1
Efficiency		0.83
Inertia moment	[kgm ²]	0.000372

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

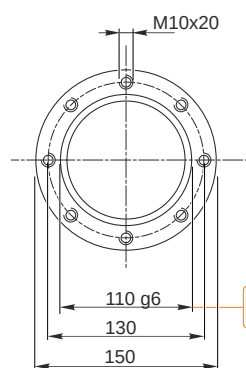
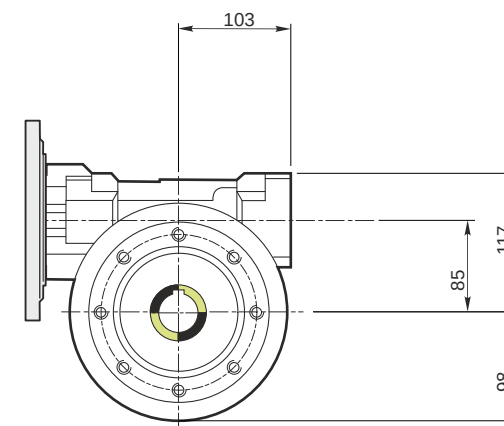
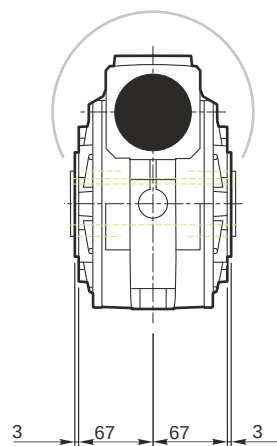
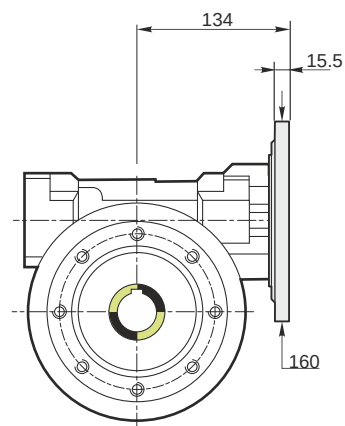
Ball bearings output radial load	[N]	4400
Taper bearings output radial load	[N]	5500
Ball bearings output axial load	[N]	880
Taper bearings output axial load	[N]	1100

Accessories

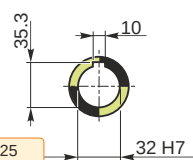
Hollow output shaft	AC 32
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Electric motor coupling

Size		100 B4
Poles n.		4
Power	[kW]	3

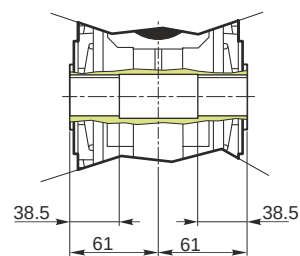


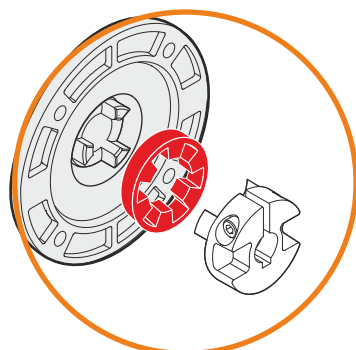
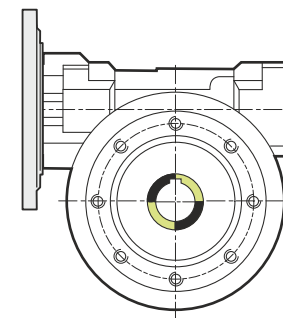
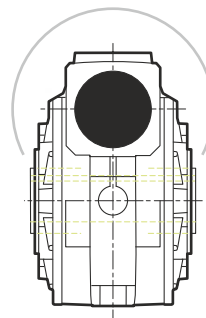
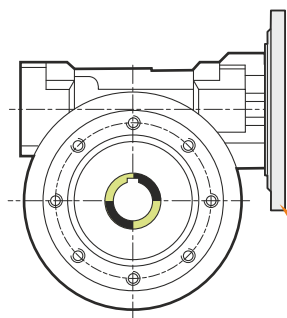
Hollow output shaft



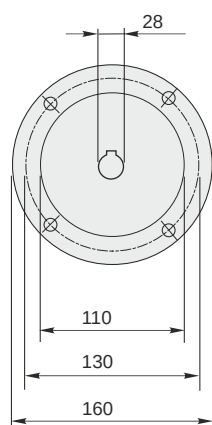
109.988
109.966

32.025
32.000



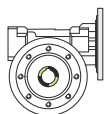


This gear unit is provided with an elastic coupling motor fitting

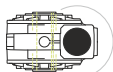


Mounting positions

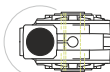
B3



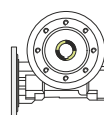
B6



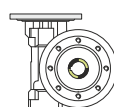
B7



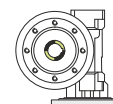
B8



V5



V6



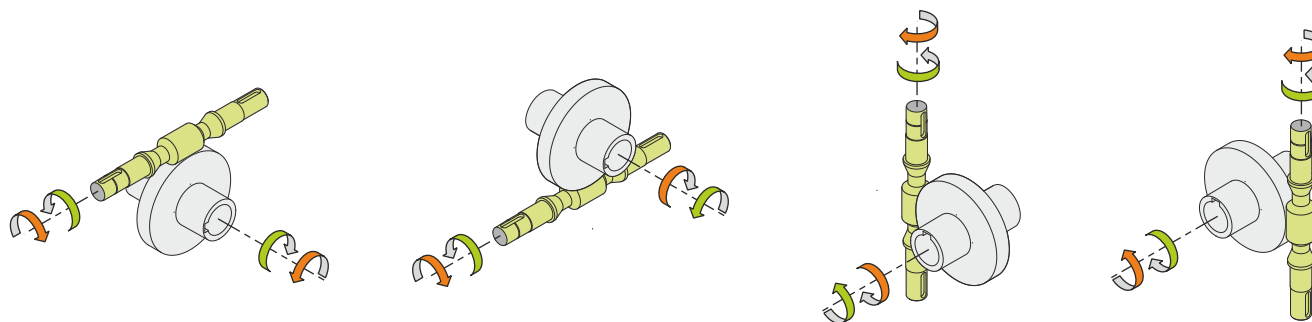
0.6



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 13.5

Gearing data

Axial module	4.4
Number of starts	2
Lead angle	13° 02'
Pressure angle	20°

Backdriving

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