

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]	0.55
Service factor		1
Rated Power P1	[kW]	0.55

Output data

Gear unit F RS 85 PC 100 80 B14 AC 32 B3

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		85
Ratio (i=)		100
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	14
Rated output torque	[Nm]	210.1
Service Factor		1
Efficiency		0.56
Inertia moment	[kgm ²]	0.00034

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Shaft mounting
Version		PC

Output radial and axial loads

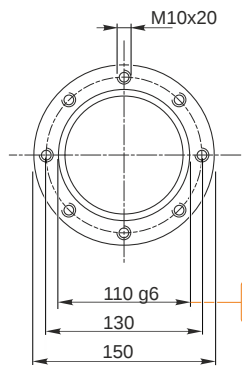
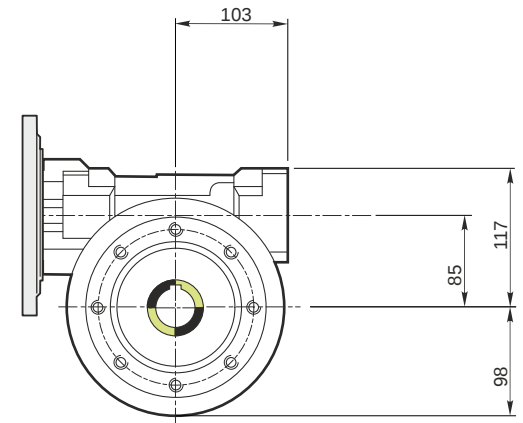
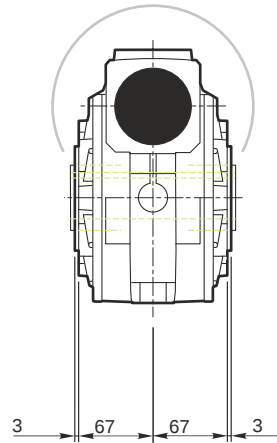
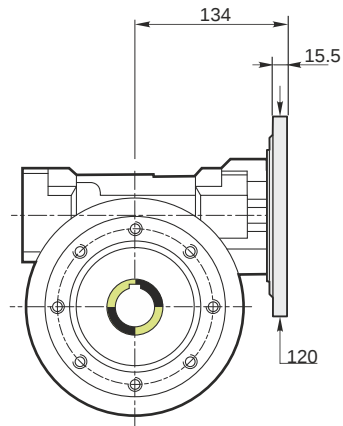
Ball bearings output radial load	[N]	8300
Taper bearings output radial load	[N]	9400
Ball bearings output axial load	[N]	1660
Taper bearings output axial load	[N]	1880

Accessories

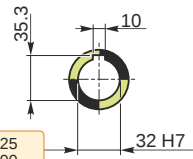
Hollow output shaft		AC 32
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Electric motor coupling

Size		80 A4
Poles n.		4
Power	[kW]	0.55

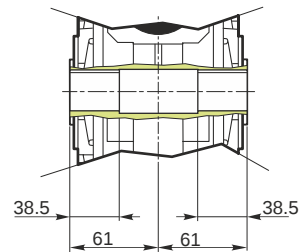


Hollow output shaft

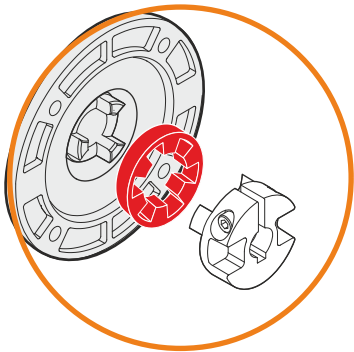
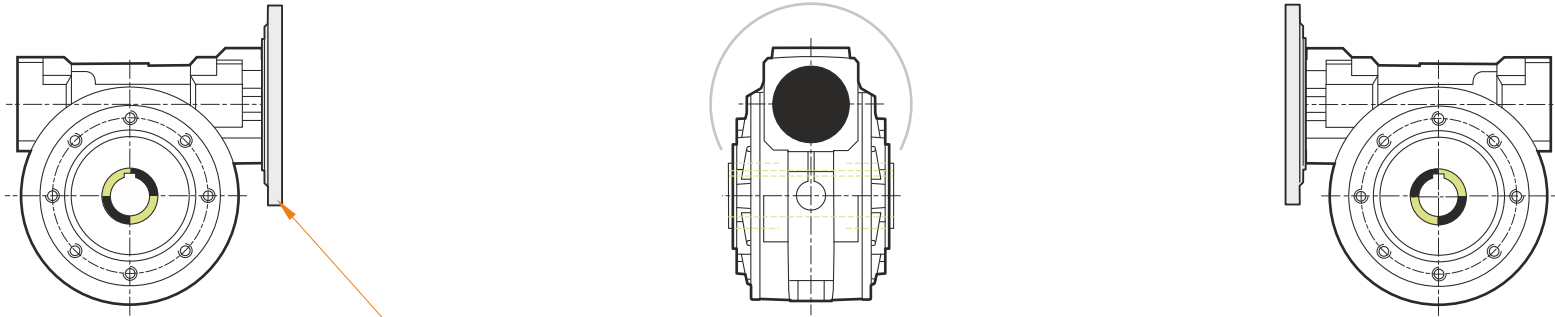


109.988
109.966

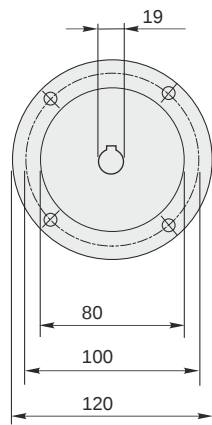
32.025
32.000



F RS 85 PC 100 80 B14 AC 32 B3

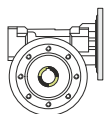


This gear unit is provided with an elastic coupling motor fitting

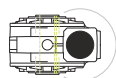


Mounting positions

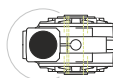
B3



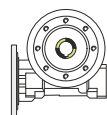
B6



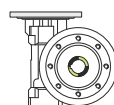
B7



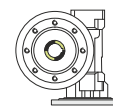
B8



V5



V6



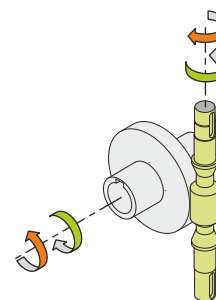
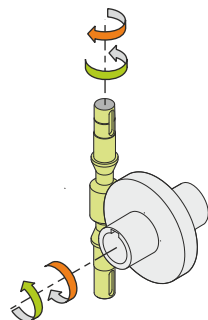
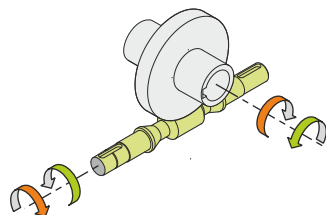
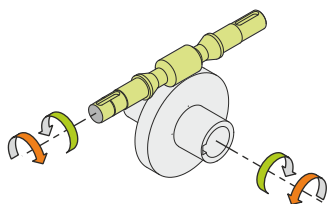
0.6



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 13.5

Gearing data

Axial module	1.4
Number of starts	1
Lead angle	2° 40'
Pressure angle	20°

Backdriving

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