

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	200
Ratio (i=)		7
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.75
Service factor		2.4
Rated Power P1	[kW]	1.83

Output data

Gear unit **F RS 50 PC 7 80 B14 AC 24 B3**

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		50
Ratio (i=)		7
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	200
Rated output torque	[Nm]	30.8
Service Factor		2.4
Efficiency		0.86
Inertia moment	[kgm ²]	0.000061

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Shaft mounting
Version		PC

Output radial and axial loads

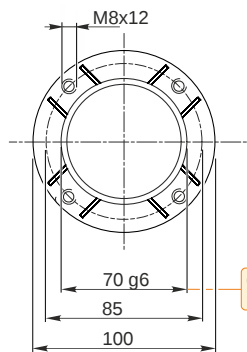
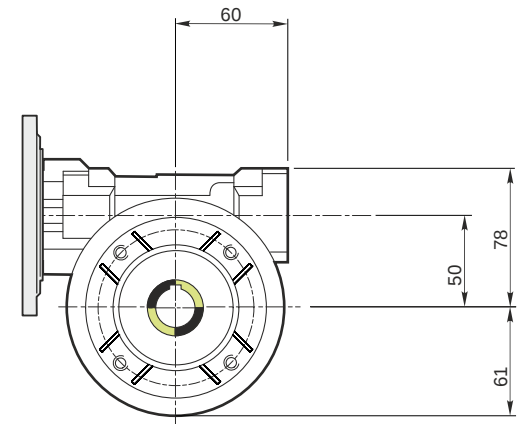
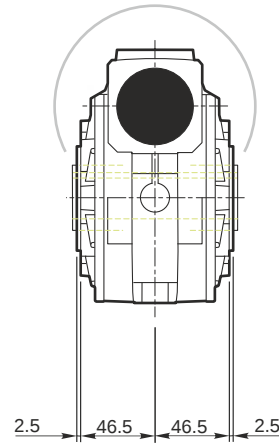
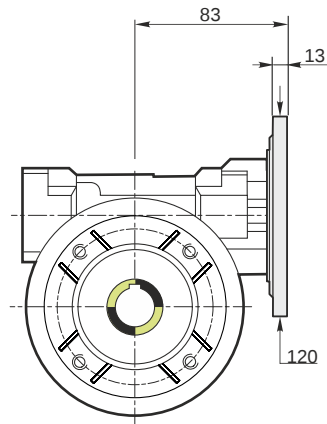
Ball bearings output radial load	[N]	1250
Taper bearings output radial load	[N]	1750
Ball bearings output axial load	[N]	250
Taper bearings output axial load	[N]	350

Accessories

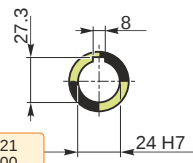
Hollow output shaft		AC 24
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Electric motor coupling

Size		80 B4
Poles n.		4
Power	[kW]	0.75

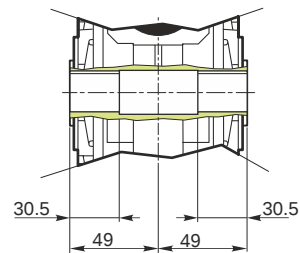


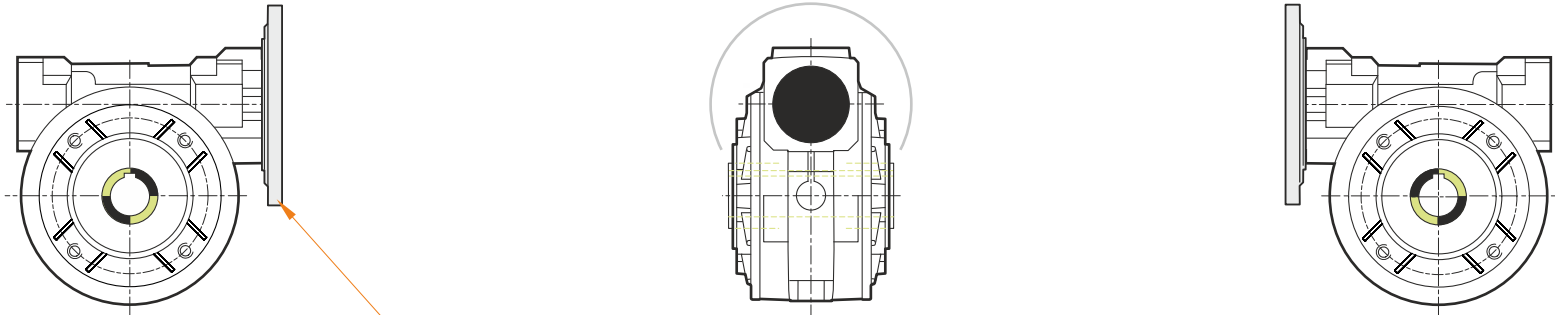
Hollow output shaft



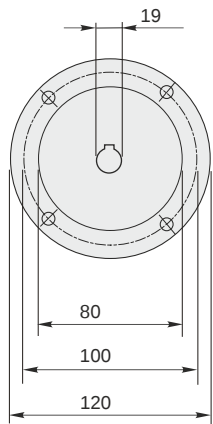
69.99
69.971

24.021
24.000



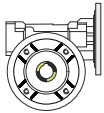


This gear unit is provided with an elastic coupling motor fitting



Mounting positions

B3



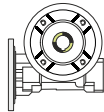
B6



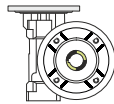
B7



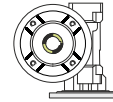
B8



V5



V6



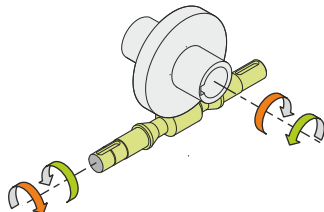
0.13



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 3.8

Gearing data

Axial module 2.7
Number of starts
Lead angle 23° 52'
Pressure angle 20°

Backdriving

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