

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	28.57
Ratio (i=)		49
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.18
Service factor		1.2
Rated Power P1	[kW]	0.21

Output data

Gear unit F RS 40 PC 49 63 B14 AC 19 B3

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		40
Ratio (i=)		49
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	28.57
Rated output torque	[Nm]	34.9
Service Factor		1.2
Efficiency		0.58
Inertia moment	[kgm ²]	0.000018

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Shaft mounting
Version		PC

Output radial and axial loads

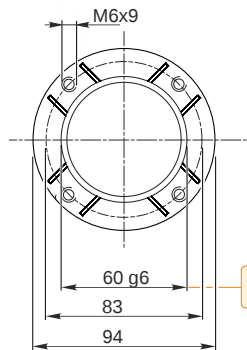
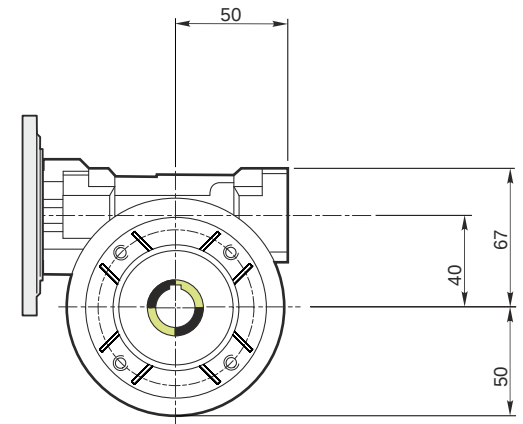
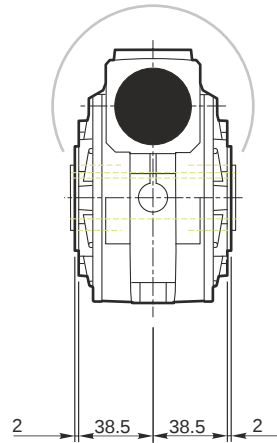
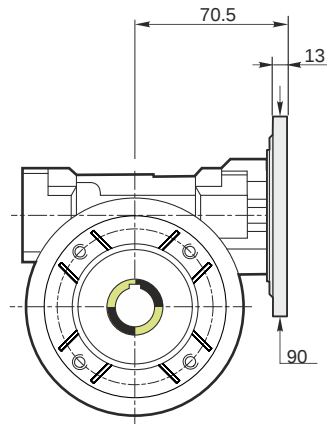
Ball bearings output radial load	[N]	1700
Taper bearings output radial load	[N]	2400
Ball bearings output axial load	[N]	340
Taper bearings output axial load	[N]	480

Accessories

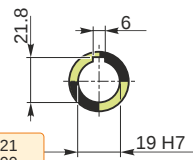
Hollow output shaft		AC 19
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Electric motor coupling

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

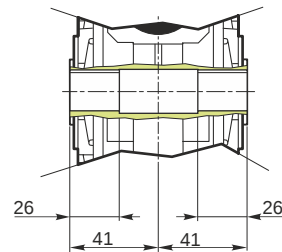


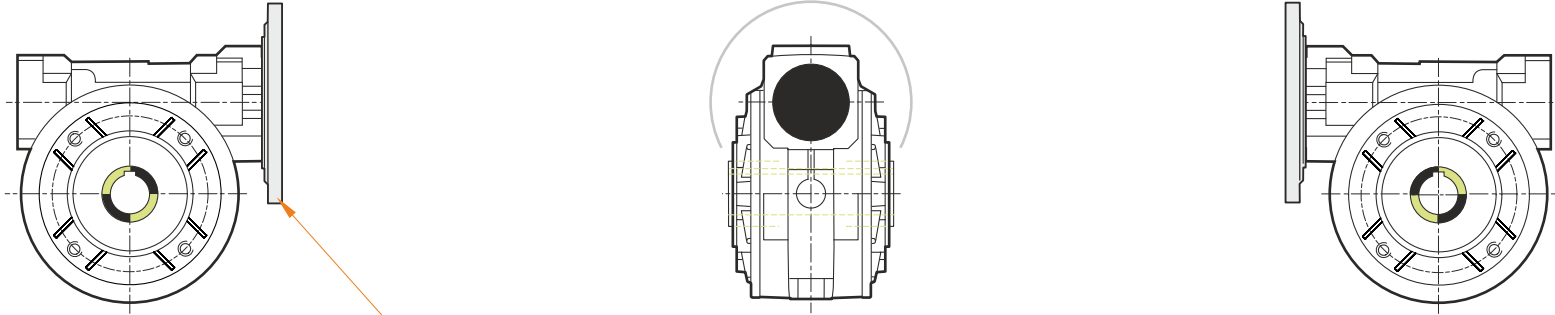
Hollow output shaft



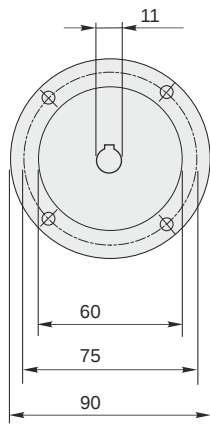
59.99
59.971

19.021
19.000



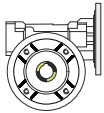


This gear unit is provided with an elastic coupling motor fitting



Mounting positions

B3



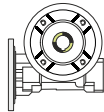
B6



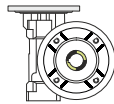
B7



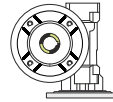
B8



V5



V6



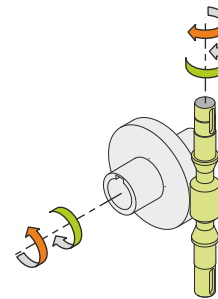
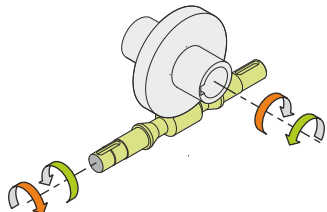
0.08



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 2.5

Gearing data

Axial module	1.25
Number of starts	1
Lead angle	3° 48'
Pressure angle	20°

Backdriving

Static self-locking
Slow back-driving in case of vibrations
Low dynamic back-driving