

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]	0.06
Service factor		3.8
Rated Power P1	[kW]	0.23

Output data

Gear unit	F RS 28 Output flange No Flange FL (bolted) 15 56 B14 AC 14 B3
------------------	---

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		28
Ratio (i=)		15
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	93.33
Rated output torque	[Nm]	4.73
Service Factor		3.8
Efficiency		0.77
Inertia moment	[kgm ²]	0.000005

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Output flange
Right side flange	No Flange
Left side flange	FL (bolted)

Output radial and axial loads

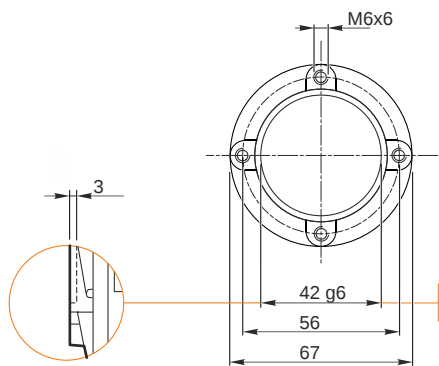
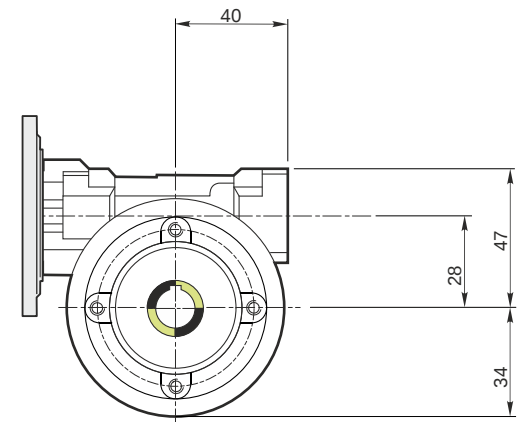
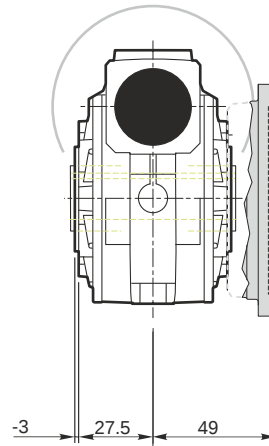
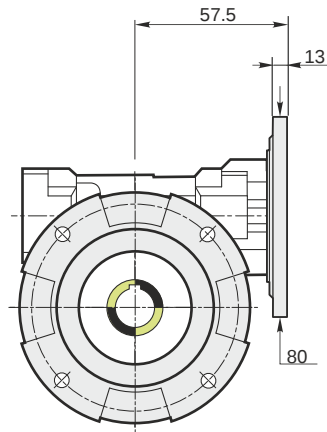
Ball bearings output radial load	[N]	550
Taper bearings output radial load	[N]	820
Ball bearings output axial load	[N]	110
Taper bearings output axial load	[N]	164

Accessories

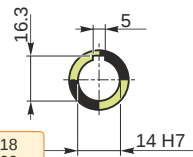
Hollow output shaft	AC 14
---------------------	-------

Electric motor coupling

Size		56 A4
Poles n.		4
Power	[kW]	0.06

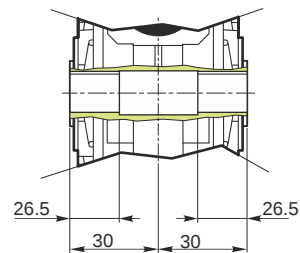


Hollow output shaft

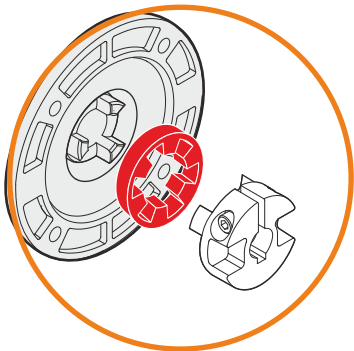
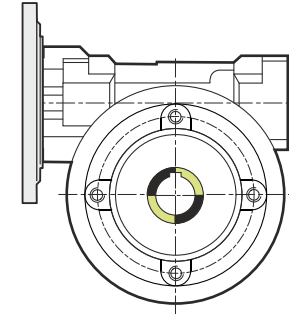
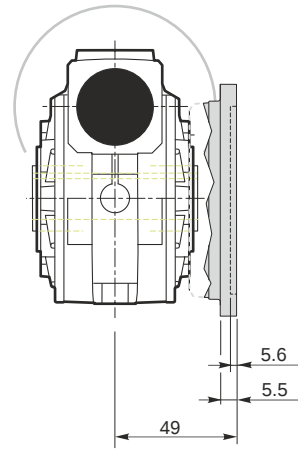
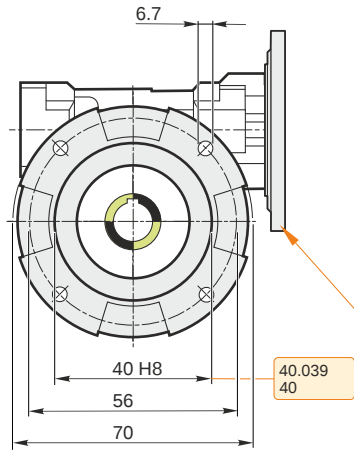


41.991
41.975

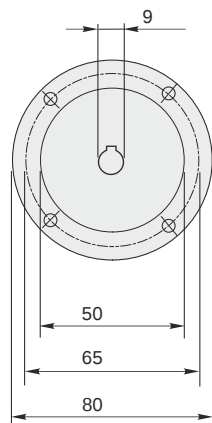
14.018
14.000



F RS 28 Output flange No Flange FL (bolted) 15 56 B14 AC 14 B3

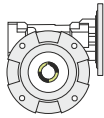


This gear unit is provided with an elastic coupling motor fitting

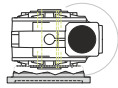


Mounting positions

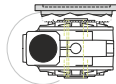
B3



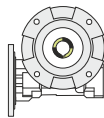
B6



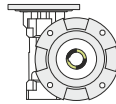
B7



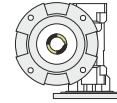
B8



V5



V6



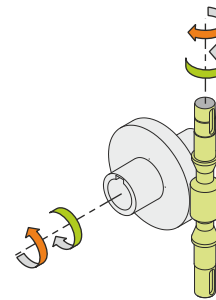
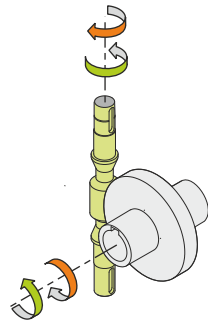
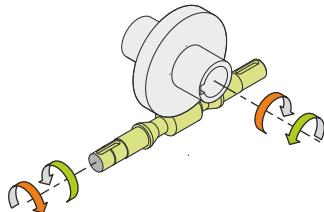
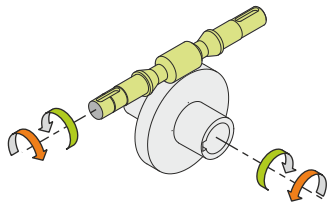
0.03



← 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 2
 Lead angle 11° 18'
 Pressure angle 20°

Backdriving

Variable static self-locking
 Quick back-driving in case of vibrations
 Dynamic back-driving