

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	35
Ratio (i=)		40
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	3
Service factor		1.2
Rated Power P1	[kW]	3.47

Output data

Gear unit **F RS 110 PC 40 100 B14 AC 42 B3**

Type		RS - Worm speed reducers
Input type		F
Size		110
Ratio (i=)		40
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	35
Rated output torque	[Nm]	597.56
Service Factor		1.2
Efficiency		0.73
Inertia moment	[kgm ²]	0.001696

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

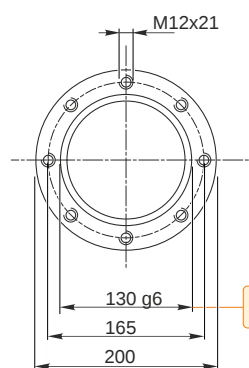
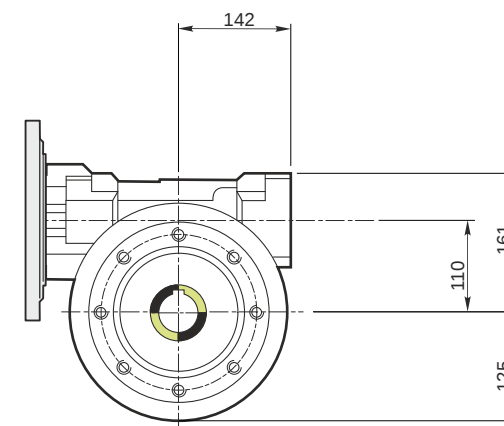
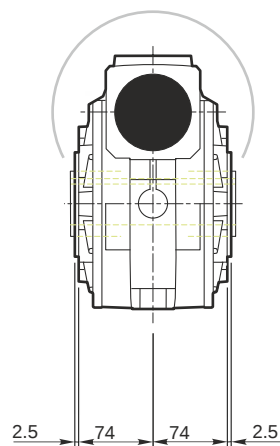
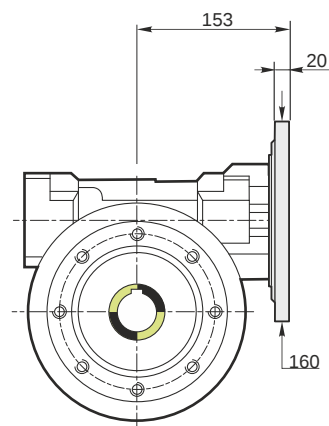
Ball bearings output radial load	[N]	6700
Taper bearings output radial load	[N]	9300
Ball bearings output axial load	[N]	1340
Taper bearings output axial load	[N]	1860

Accessories

Hollow output shaft	AC 42
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Electric motor coupling

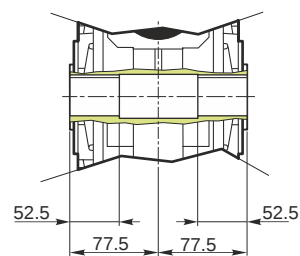
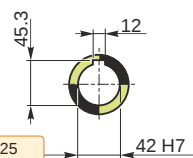
Size		100 B4
Poles n.		4
Power	[kW]	3

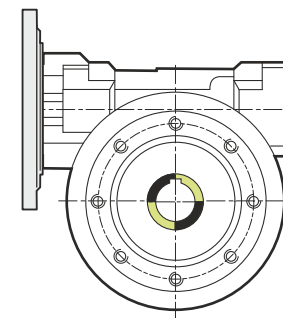
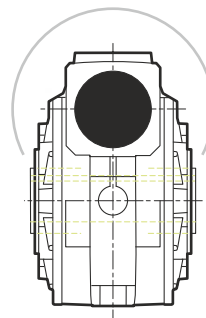
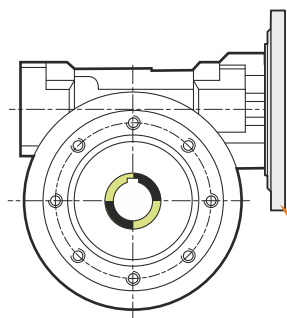


129.986
129.961

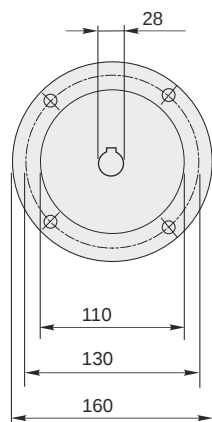
42.025
42.000

Hollow output shaft



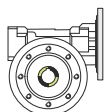


This gear unit is provided with an elastic coupling motor fitting



Mounting positions

B3



B6



B7



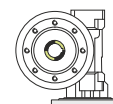
B8



V5



V6



1.5



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 39

Gearing data

Axial module	4.4
Number of starts	1
Lead angle	5° 42'
Pressure angle	20°

Backdriving

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