

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	50
Ratio (i=)		28
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.5
Service factor		1.5
Rated Power P1	[kW]	2.2

Output data

Gear unit F RS 85 PC 28 90 B14 AC 32 B3

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		85
Ratio (i=)		28
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	50
Rated output torque	[Nm]	217.74
Service Factor		1.5
Efficiency		0.76
Inertia moment	[kgm ²]	0.000348

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

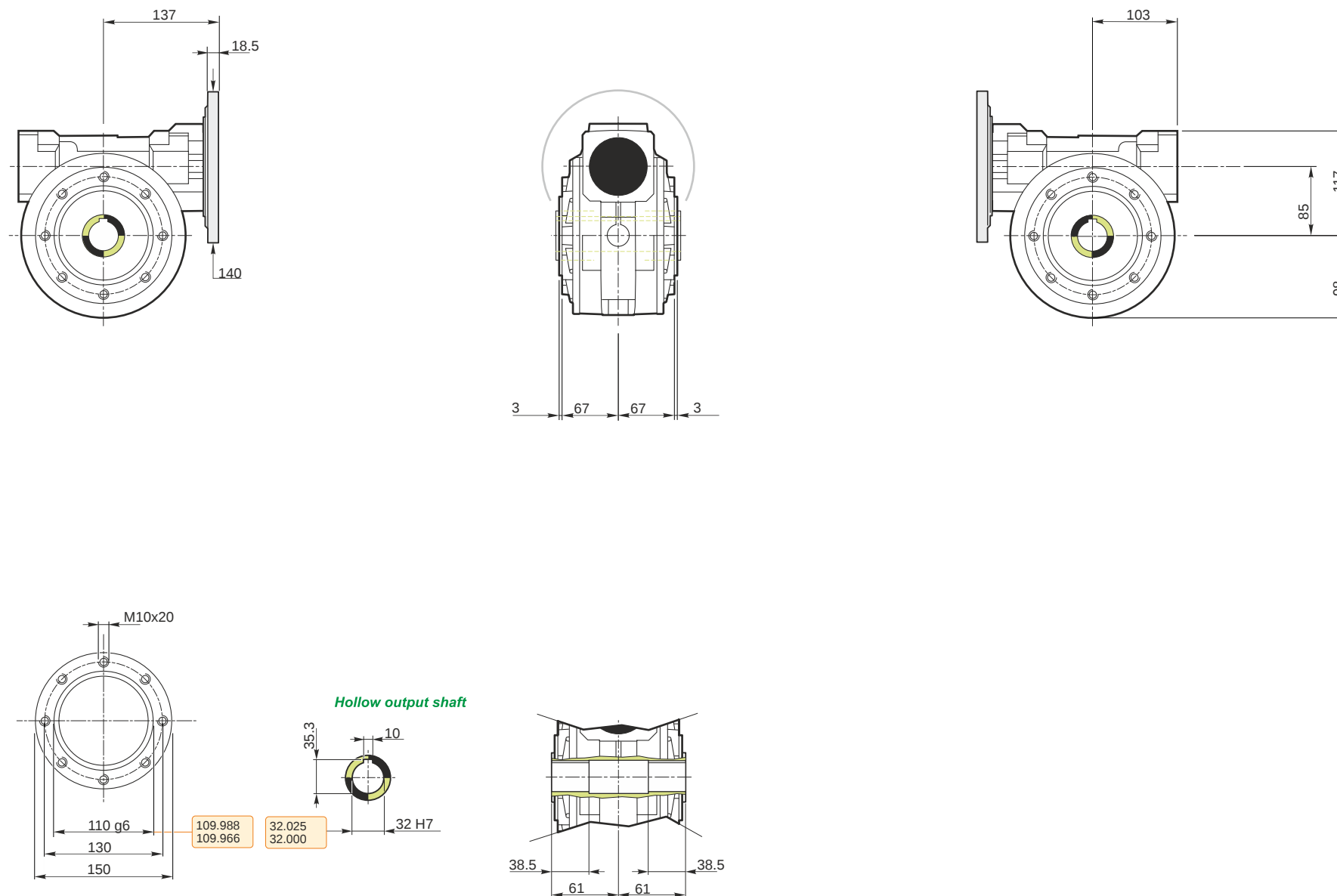
Ball bearings output radial load	[N]	5400
Taper bearings output radial load	[N]	7200
Ball bearings output axial load	[N]	1080
Taper bearings output axial load	[N]	1440

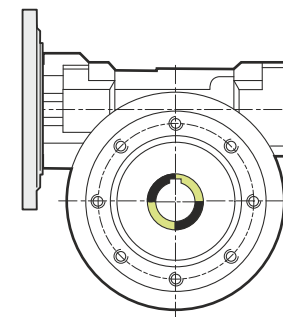
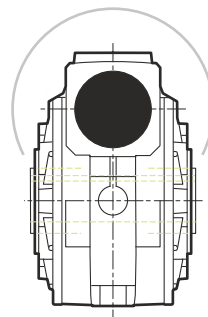
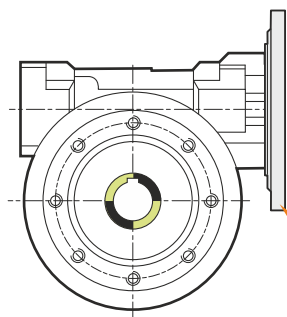
Accessories

Hollow output shaft	AC 32
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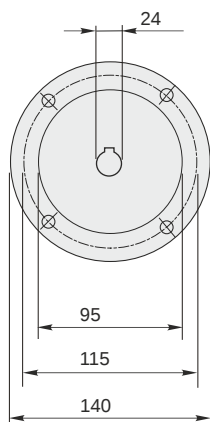
Electric motor coupling

Size		90 L4
Poles n.		4
Power	[kW]	1.5



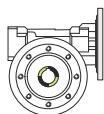


This gear unit is provided with an elastic coupling motor fitting



Mounting positions

B3



B6



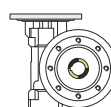
B7



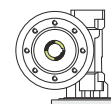
B8



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	4.7
Number of starts	1
Lead angle	6° 58'
Pressure angle	20°

Backdriving

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