

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	70
Ratio (i=)		20
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.5
Service factor		1.2
Rated Power P1	[kW]	1.76

Output data

Gear unit F RS 70 PC 20 90 B14 AC 28 B3

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		70
Ratio (i=)		20
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	70
Rated output torque	[Nm]	165.76
Service Factor		1.2
Efficiency		0.81
Inertia moment	[kgm ²]	0.000251

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

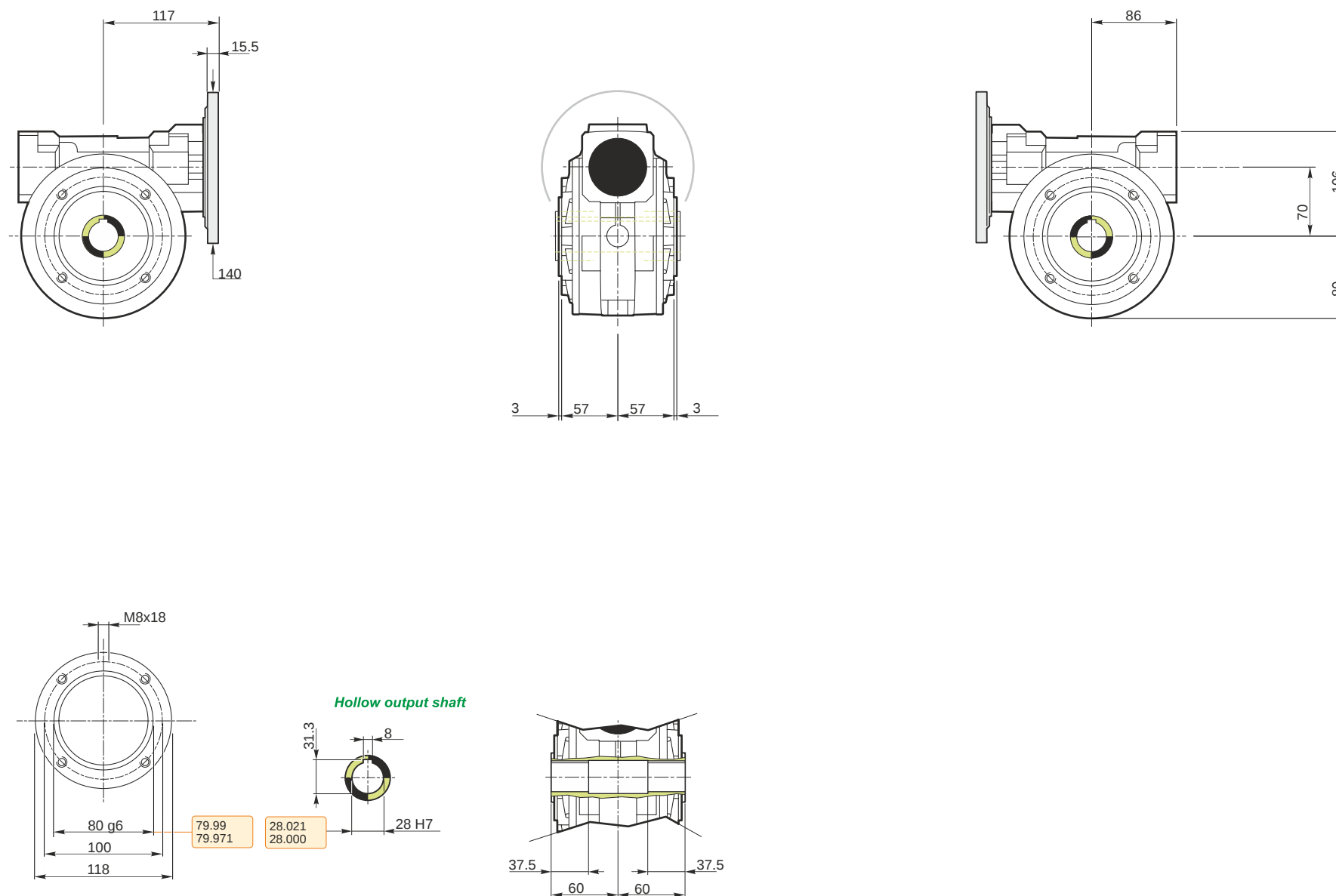
Ball bearings output radial load	[N]	3900
Taper bearings output radial load	[N]	5160
Ball bearings output axial load	[N]	780
Taper bearings output axial load	[N]	1032

Accessories

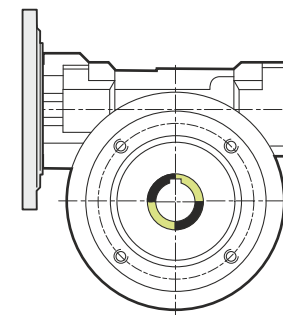
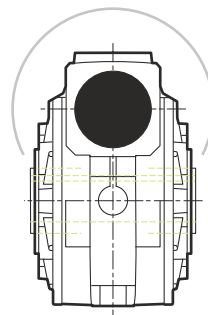
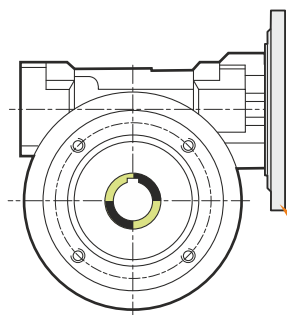
Hollow output shaft	AC 28
---------------------	-------

Electric motor coupling

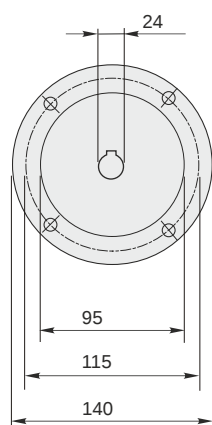
Size		90 L4
Poles n.		4
Power	[kW]	1.5



F RS 70 PC 20 90 B14 AC 28 B3

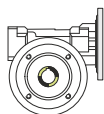


This gear unit is provided with an elastic coupling motor fitting



Mounting positions

B3



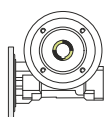
B6



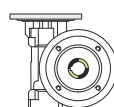
B7



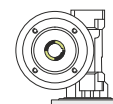
B8



V5



V6



0.35



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 9

Gearing data

Axial module	2.8
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