

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
Rated Power P1	[kW]	1.51

Output data

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

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		70
Ratio (i=)		28
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	50
Rated output torque	[Nm]	214.88
Service Factor		1
Efficiency		0.75
Inertia moment	[kgm ²]	0.000247

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

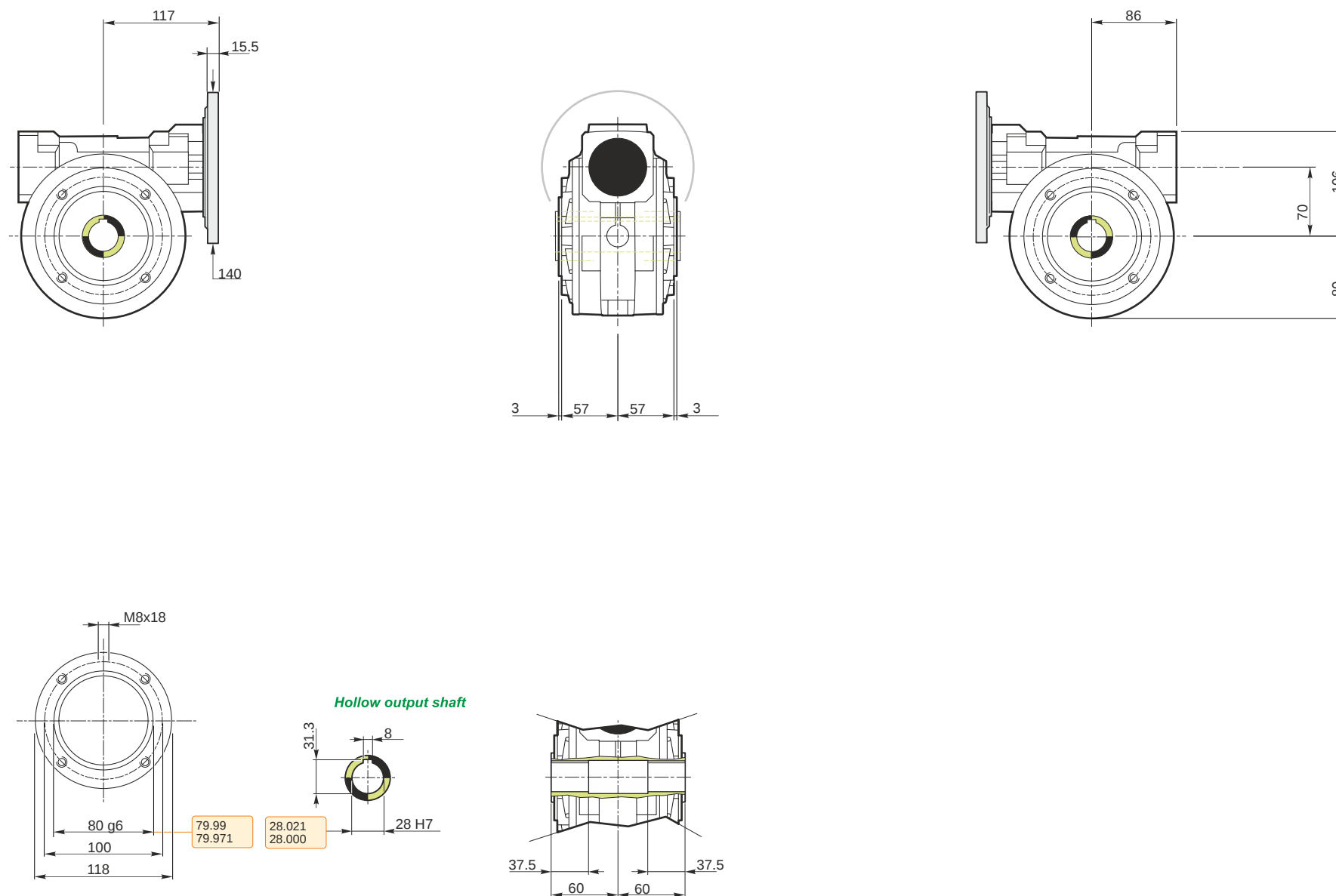
Ball bearings output radial load	[N]	4200
Taper bearings output radial load	[N]	5600
Ball bearings output axial load	[N]	840
Taper bearings output axial load	[N]	1120

Accessories

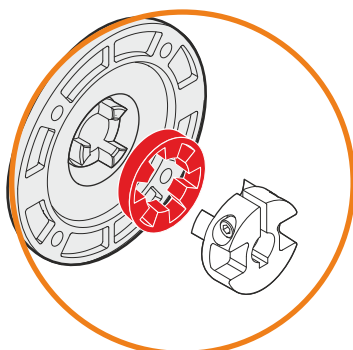
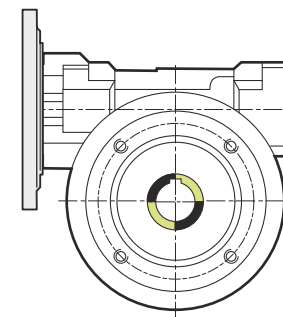
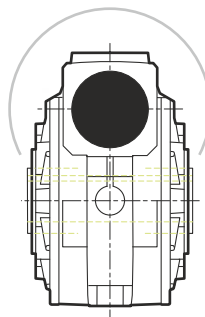
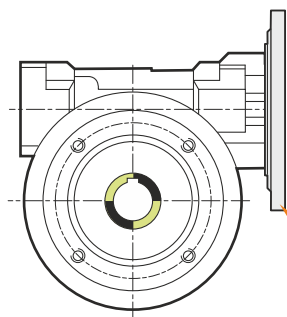
Hollow output shaft	AC 28
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Electric motor coupling

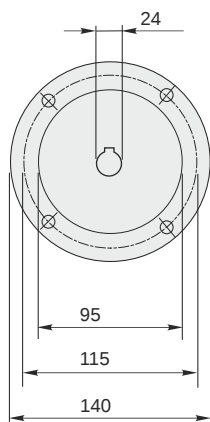
Size		90 L4
Poles n.		4
Power	[kW]	1.5



F RS 70 PC 28 90 B14 AC 28 B3

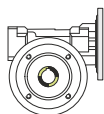


This gear unit is provided with an elastic coupling motor fitting

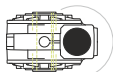


Mounting positions

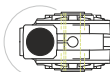
B3



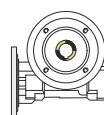
B6



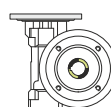
B7



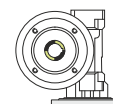
B8



V5



V6



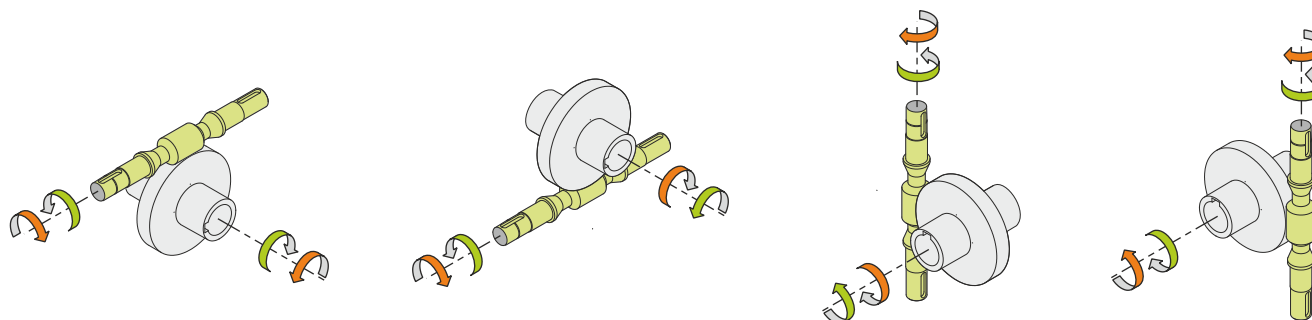
0.35



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 9

Gearing data

Axial module	3.9
Number of starts	1
Lead angle	7° 12'
Pressure angle	20°

Backdriving

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