

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	200
Ratio (i=)		7
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	3
Service factor		1.3
Rated Power P1	[kW]	3.95

Output data

Gear unit F RS 70 PC 7 100 B14 AC 28 B3

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		70
Ratio (i=)		7
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	200
Rated output torque	[Nm]	126.06
Service Factor		1.3
Efficiency		0.88
Inertia moment	[kgm ²]	0.000306

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

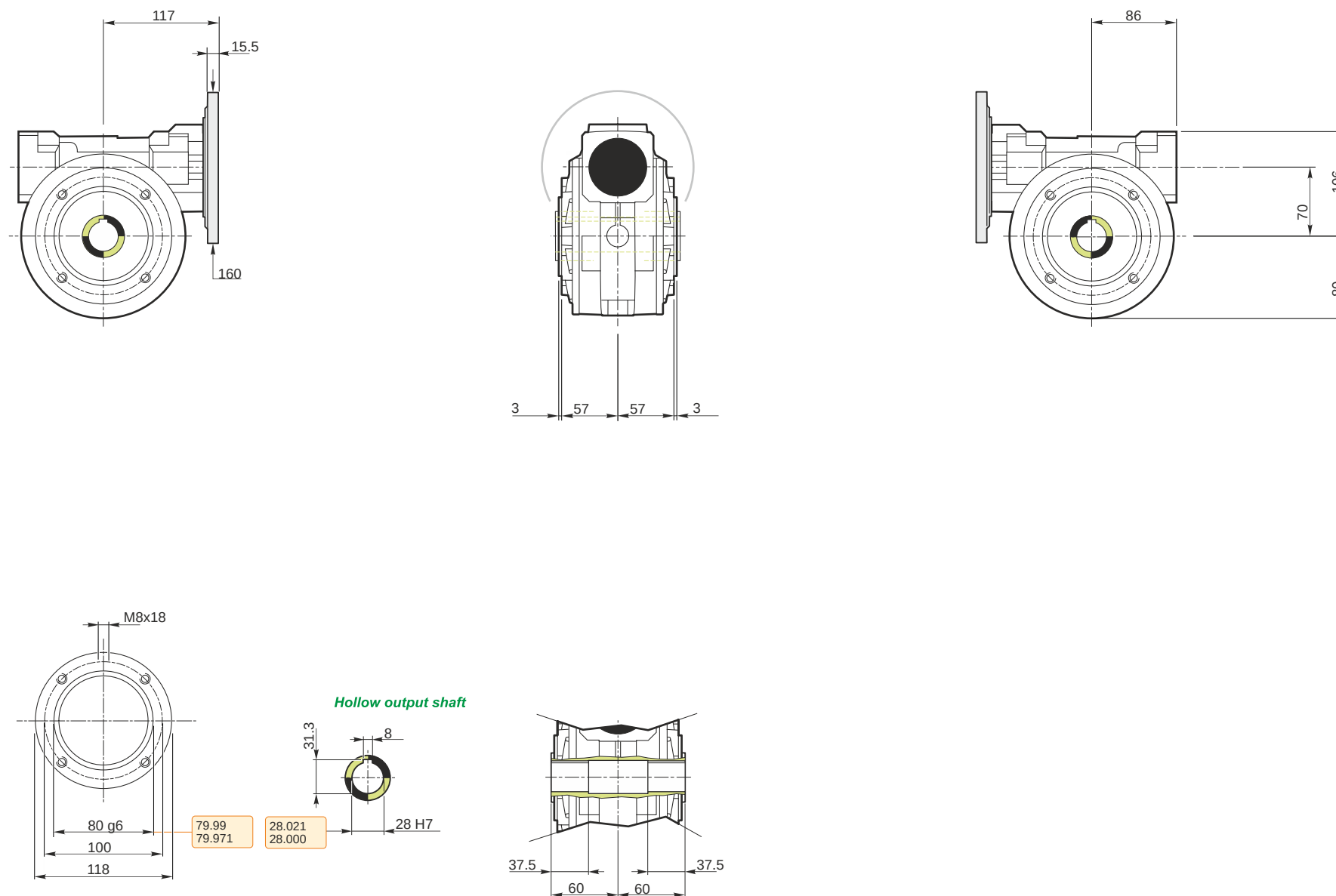
Ball bearings output radial load	[N]	2700
Taper bearings output radial load	[N]	3300
Ball bearings output axial load	[N]	540
Taper bearings output axial load	[N]	660

Accessories

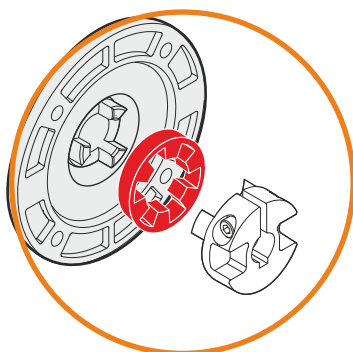
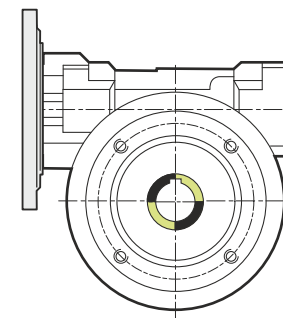
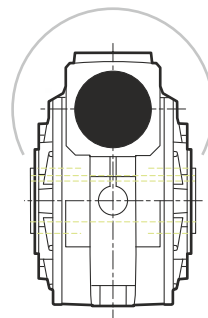
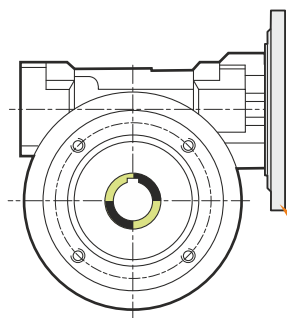
Hollow output shaft	AC 28
---------------------	-------

Electric motor coupling

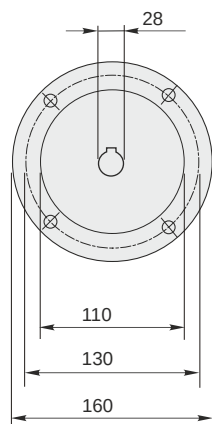
Size		100 B4
Poles n.		4
Power	[kW]	3



F RS 70 PC 7 100 B14 AC 28 B3

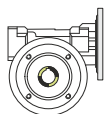


This gear unit is provided with an elastic coupling motor fitting

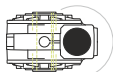


Mounting positions

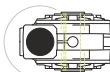
B3



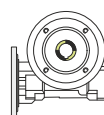
B6



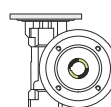
B7



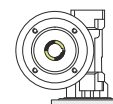
B8



V5



V6



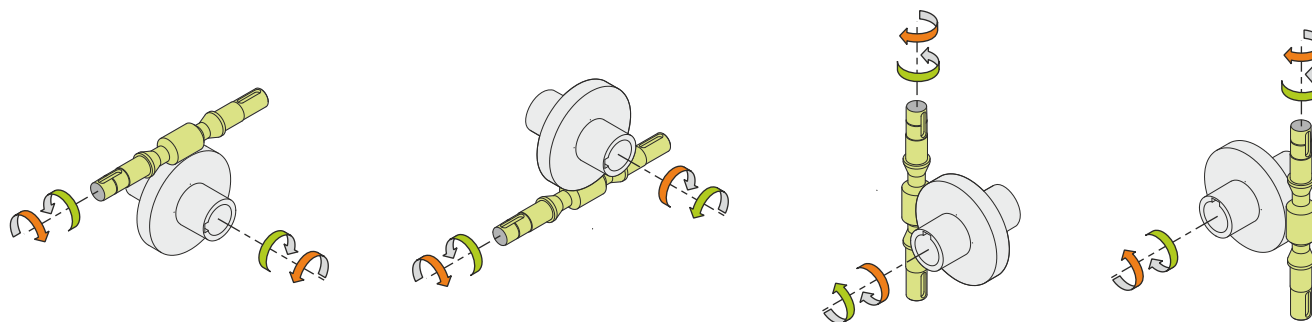
0.35



← 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	4
Lead angle	26° 51'
Pressure angle	20°

Backdriving

Static back-driving
Quick back-driving
Dynamic back-driving