

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 RT 70 B3 20 90 B14 AC 28

Type		RT - Worm speed reducers
Input type		F (Elastic coupling)
Size		70
Ratio (i=)		20
Input flange		B14
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		Universal
Version		B3

Output radial and axial loads

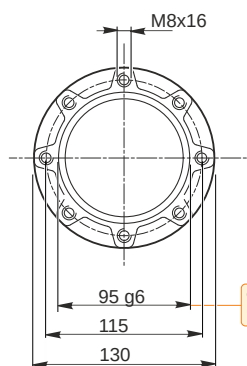
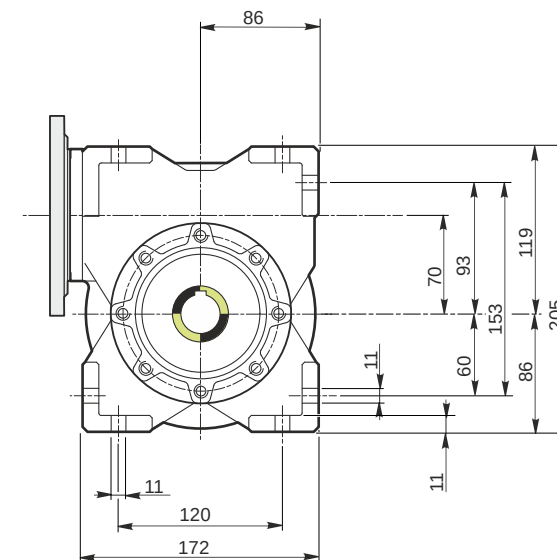
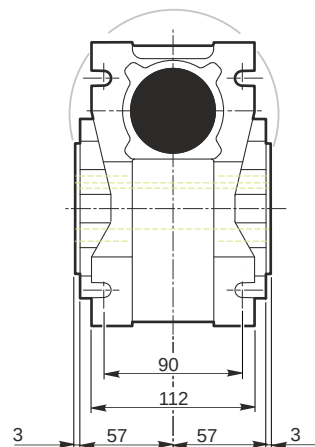
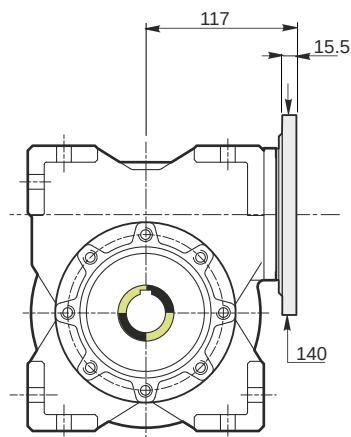
Ball bearings output radial load	[N]	3900
Taper bearings output radial load	[N]	5160
Ball bearings output axial load	[N]	780
Taper bearings output axial load	[N]	1032

Accessories

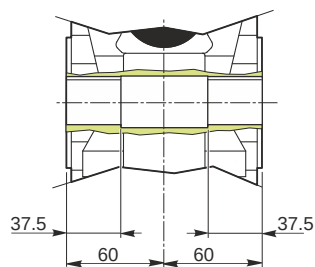
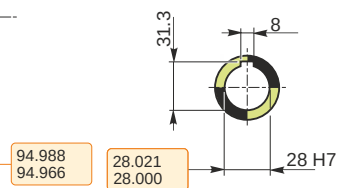
Hollow output shaft		AC 28
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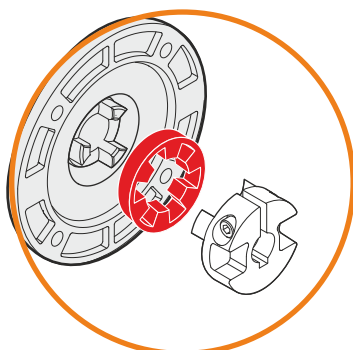
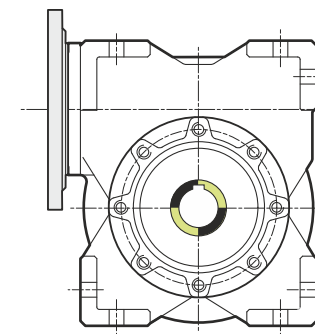
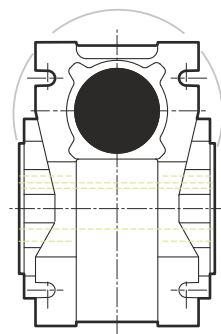
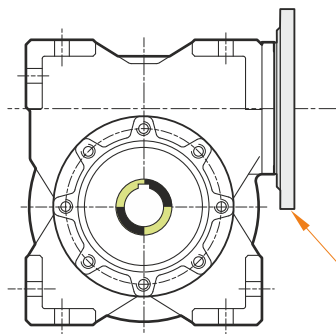
Electric motor coupling

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

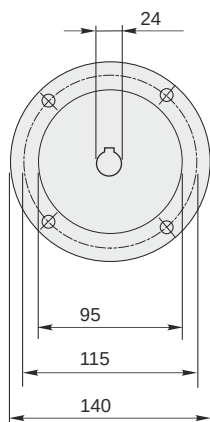


Hollow output shaft



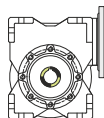


This gear unit is provided with an elastic coupling motor fitting

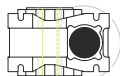


Mounting positions

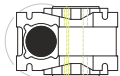
B3



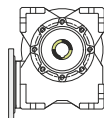
B6



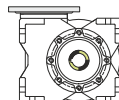
B7



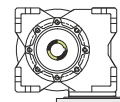
B8



V5



V6



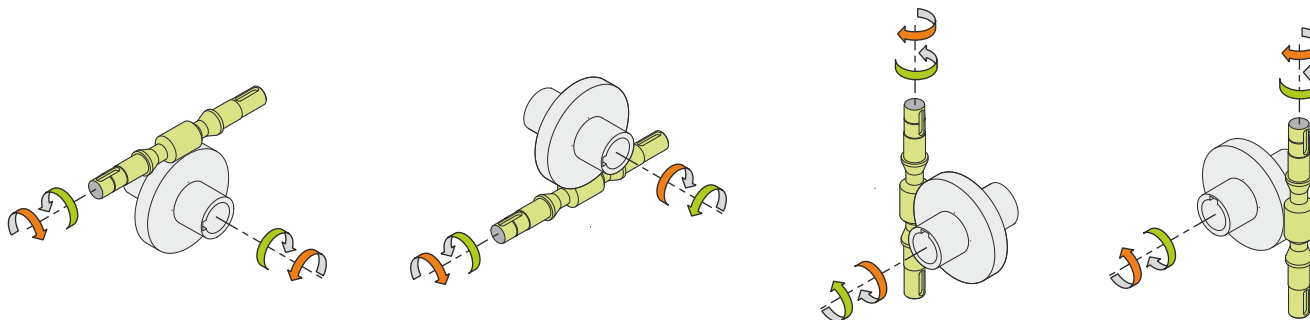
0.35



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