

Input data

System of measurement		Metric
Input type		Coupling for electric motor
Input speed	[rpm]	1400
Output speed	[rpm]	17.5
Ratio (i=)		80
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.5
Service factor		1
Rated Power P1	[kW]	1.46

Output data

Gear unit F RT 110 B3 80 90 B5 AC 42

Type		RT - Worm speed reducers
Input type		F
Size		110
Ratio (i=)		80
Input flange		B5
Input speed	[rpm]	1400
Output speed	[rpm]	17.5
Rated output torque	[Nm]	540.26
Service Factor		1
Efficiency		0.66
Inertia moment	[kgm ²]	0.001684

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Universal
Version		B3

Output radial and axial loads

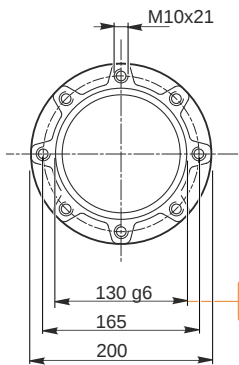
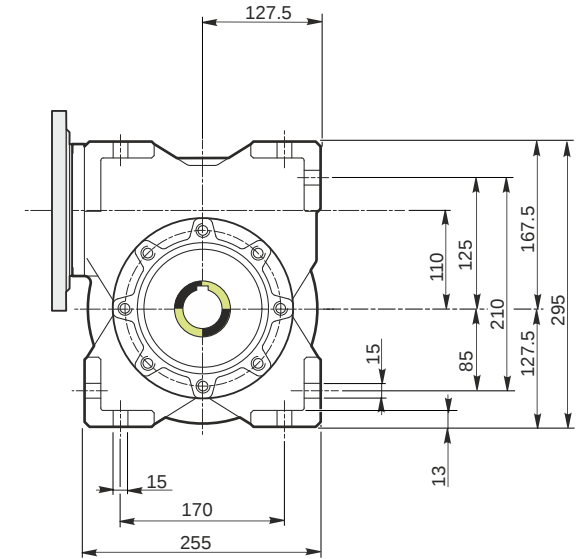
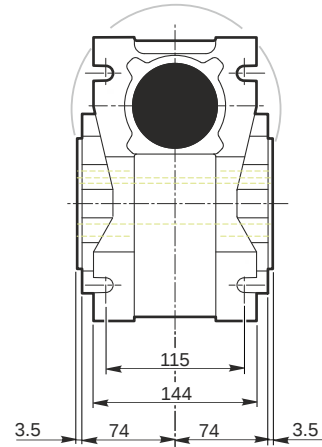
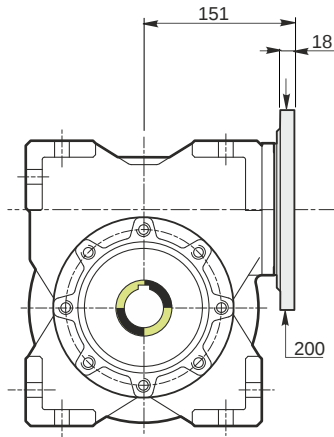
Ball bearings output radial load	[N]	8800
Taper bearings output radial load	[N]	11100
Ball bearings output axial load	[N]	1760
Taper bearings output axial load	[N]	2220

Accessories

Hollow output shaft		AC 42
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Electric motor coupling

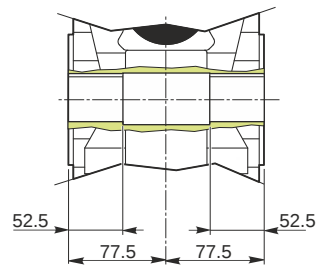
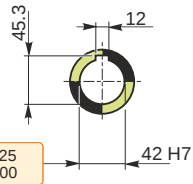
Size		90 L4
Poles n.		4
Power	[kW]	1.5

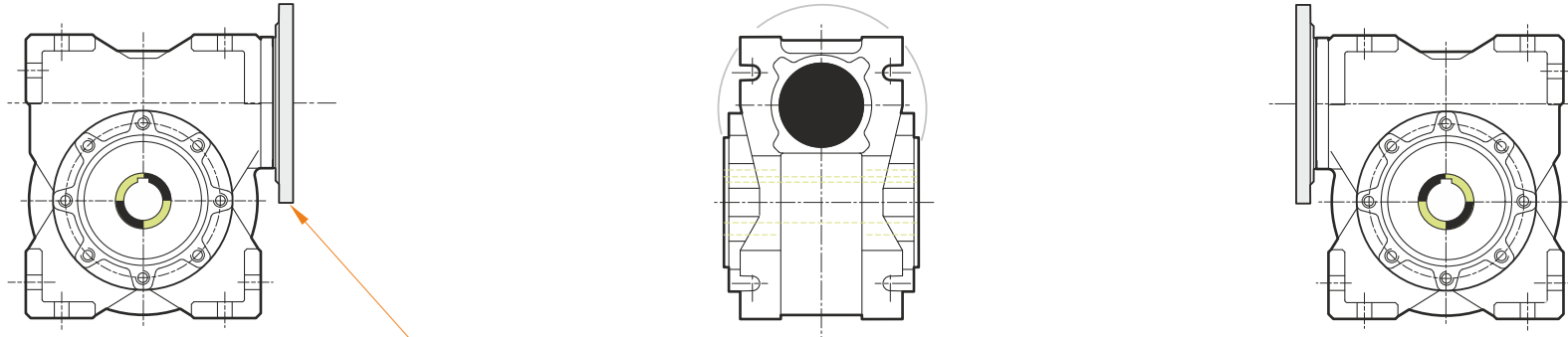


Hollow output shaft

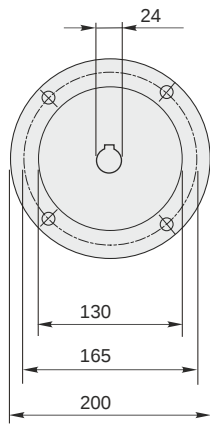
129.986
129.961

42.025
42.000



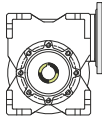


This gear unit is provided with an elastic coupling motor fitting

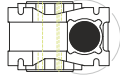


Mounting positions

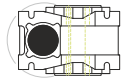
B3



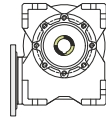
B6



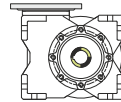
B7



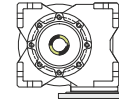
B8



V5



V6



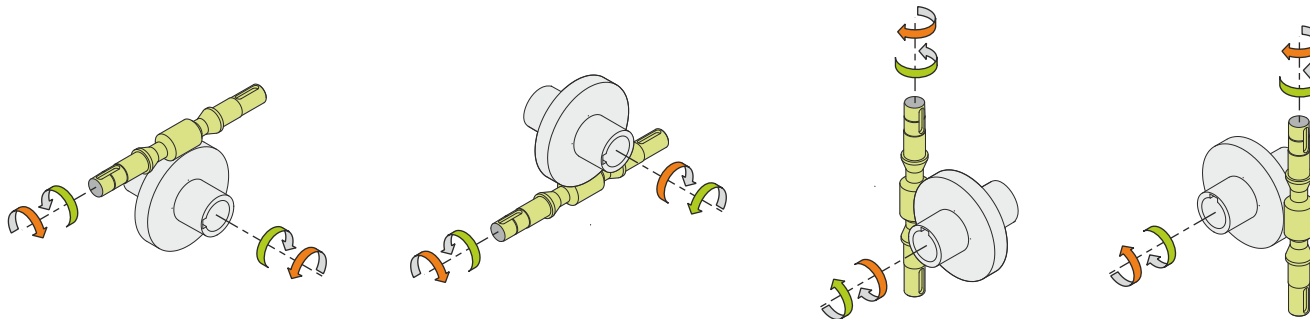
1.5



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg] 39

Gearing data

Axial module 2.3
Number of starts 1
Lead angle 3° 39'
Pressure angle 20°

Backdriving

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