

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]	0.37
Service factor		3
Thermal power	[kW]	1.11

Output data

Gear unit F RS 40 PC 7 71 B14 AC 18 B3

Type		RS - Worm speed reducers
Input type		F (Elastic coupling)
Size		40
Ratio (i=)		7
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	200
Rated output torque	[Nm]	15.02
Service Factor		3
Efficiency		0.85
Inertia moment	[kgm ²]	0.000022

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Shaft mounting
Version		PC

Output radial and axial loads

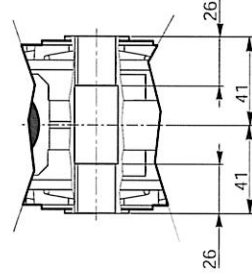
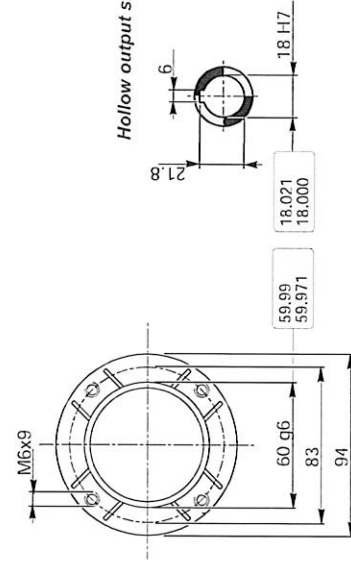
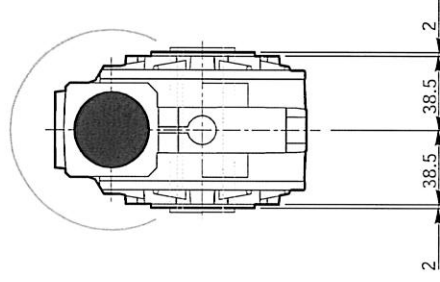
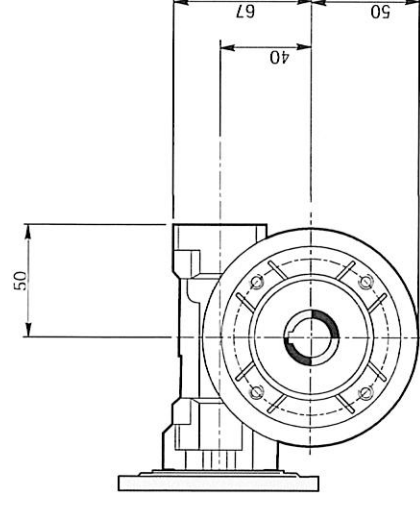
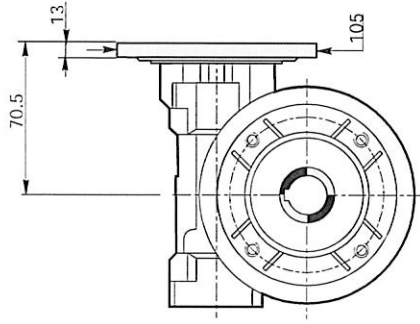
Ball bearings output radial load	[N]	1000
Taper bearings output radial load	[N]	1500
Ball bearings output axial load	[N]	200
Taper bearings output axial load	[N]	300

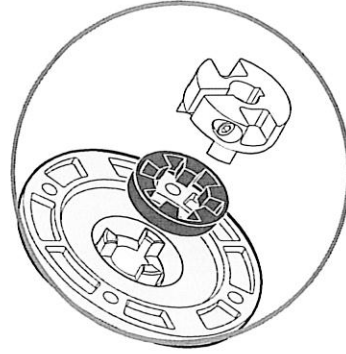
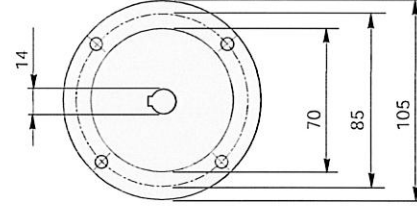
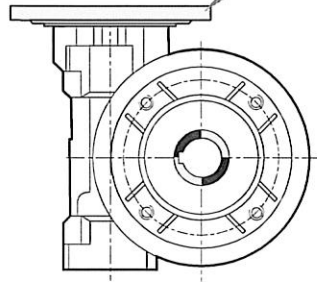
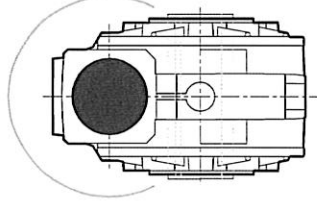
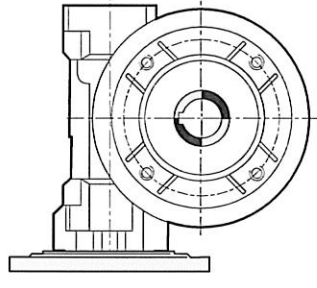
Accessories

Hollow output shaft		AC 18
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Electric motor coupling

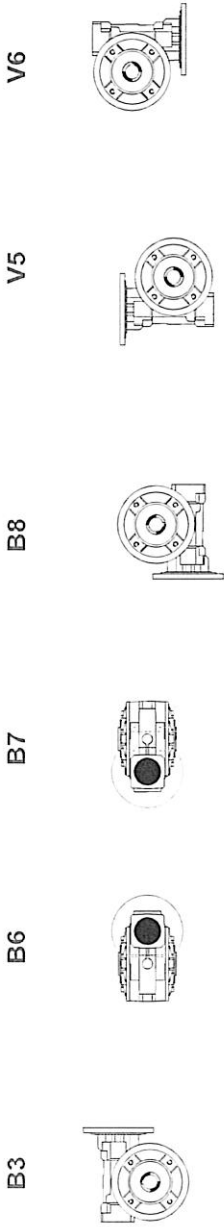
Size		71 B4
Poles n.		4
Power	[kW]	0.37





This gear unit is provided with
an elastic coupling motor fitting
(more info)

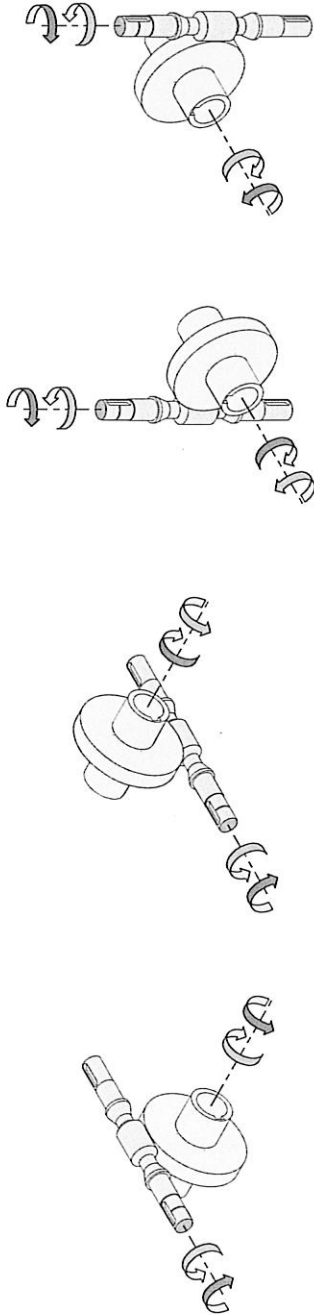
Mounting positions



0.08

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]2.5

Gearing data

Axial module

Number of starts

Lead angle

Pressure angle

2,1

4

21° 36'

20°

Backdriving

Static back-driving

Quick back-driving

Dynamic back-driving