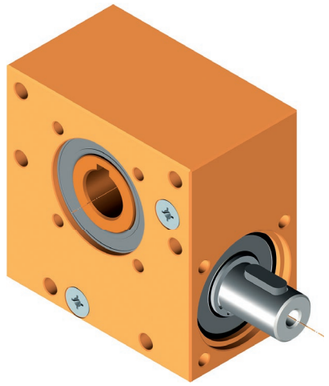
Worm gear 2010

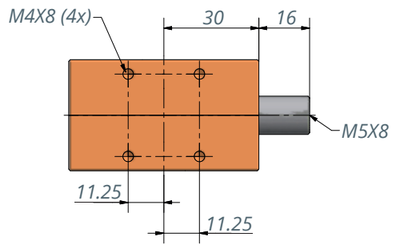


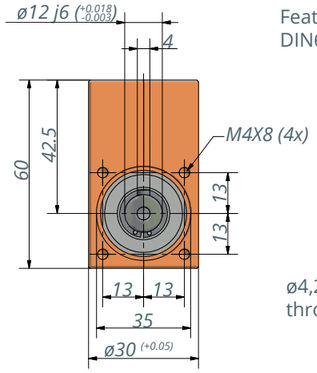
Description

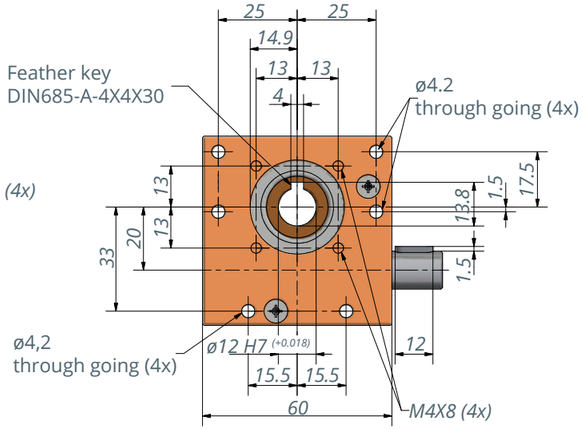
Universally usable and maintenance-free worm gearbox in a size with an axle spacing of 20 mm and seven different transmission ratios. The housing is encapsulated to prevent the escape of grease and the ingress of dust. The worm wheel assembly is left-handed. The direction of rotation on the shaft is arbitrary.

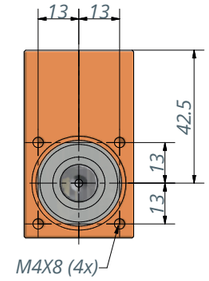
Special features

- Maintenance-free grease lubrication
- Case hardened worm and cog wheel
- Aluminium housing, anodized (silver or orange)
- Axial distance 14 mm
- 7 ratios of 13:1 to 65:1
- Backlash on the drive shaft 1° ± 0,5°
- Duty cycle of 20 % at 5 min (1 min ON, 4 min OFF)
- Lifetime of 1000 hours with:
  - full load and
  - input speed of 500 rpm and
  - duty cycle 20% with 5 min and
  - ambient temperature



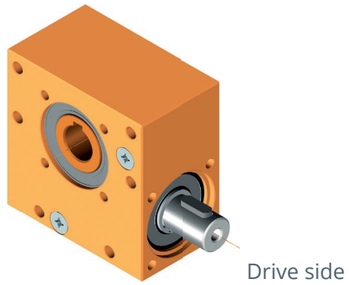






Technical data

Item number	Ratio i	Selflocking static	Output- speed range n in rpm	Max. output-torque M in Nm	Max. drive-torque M in Nm	Drive side		Degree of efficiency in %
						Radial-force [1] F_R in N	Axial-force [2] F_A in N	
2010.00-V01R65	65 : 1	Yes	100/500/1000	4.5/3.8/3.0	0.2/0.2/0.2	500	500	29
2010.00-V02R40	40 : 1	Yes	100/500/1000	5.5/4.8/4.0	0.4/0.3/0.3	400	400	39
2010.00-V03R30	30 : 1	Yes	100/500/1000	8.5/7.0/5.5	0.6/0.5/0.4	350	350	45
2010.00-V04R23	23 : 1	Yes	100/500/1000	10.0/8.0/6.0	0.9/0.7/0.5	250	250	50
2010.00-V05R18	18 : 1	Yes	100/500/1000	11.0/9.0/7.0	1.1/0.9/0.7	250	250	55
2010.00-V06R15	15 : 1	No	100/500/1000	12.0/10.0/8.0	1.5/1.3/1.0	250	250	52
2010.00-V07R13	13 : 1	No	100/500/1000	15.0/13.0/11.0	2.1/1.8/1.5	200	200	56



Drive side

Technical notes

- Permitted operating temperature -20 to 60 °C
- Permitted forces output side (axial and radial) 500 N