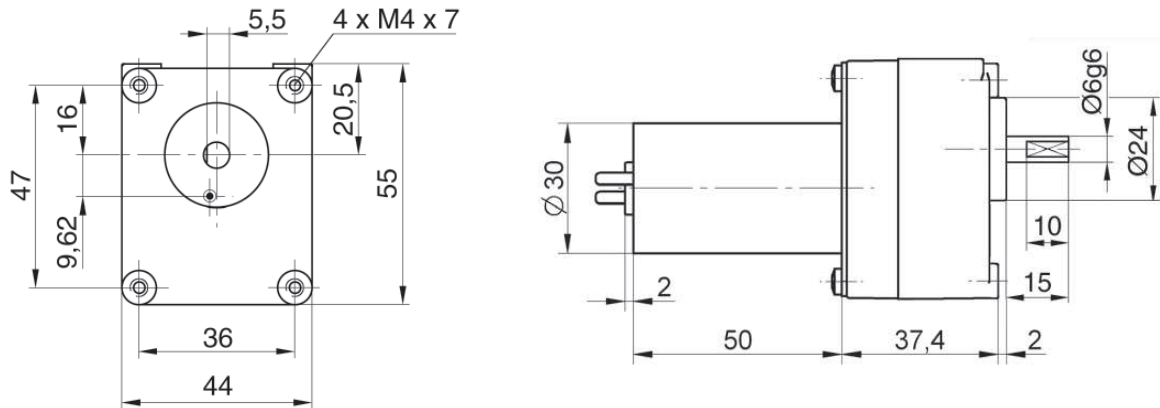


## Gearbox + Motor



## K30-Mounting

### TECHNICAL CHARACTERISTICS

High endurance gearbox for heavy duty continuous workload in any position, at room temperature from -15 to 50°C, with **torque load up to 3 Nm, steady load.**

- **Box.** Made of die-cast Zamak. Frontal mounting by four M4 threaded holes.
- **Gear set.** Hobbed spur gear set with steel pinions and gear wheels, with case superficial heat anti-friction treatment. The intermediate gears turn on rectified hardened steel shafts, which are fixed to the box.
- **Output shaft.** Ø6 mm steel shaft, 15 mm usable length, with a flat. Incorporates and turns on ball bearing at the output side and on roller bearing at the back side.
- **Output shaft load:**

Pull axial direction	200 N ≈ 20 Kg.
Push axial direction	20 N ≈ 2 Kg.
Radial direction, at 8 mm from box	150 N ≈ 15 Kg.
- **Lubrication.** Lithium grade 2 grease.
- **Weight.** With maximal number of stages: 0.36 Kg.

#### MOTOR COUPLING:


- **Direct C.:** G30.1 type, 12 V - 6 W or 24 V - 6 W.

#### OPTIONAL:

- Ø8 mm output shaft, without flat.
- Vertical mounting by two M4 threaded holes.
- Electronic speed controllers (request information).

**Avoid** impacts on the output shaft when assembling or disassembling parts on it, this could damage the gearbox.

**Your special requests are welcome.**

			MOTORES DE C.C. - DC MOTORS					
			MODELO: DUNKER G30,1					
			G30,1 12V			G30,1 24V		
Reducción Ratio <b>i = X:1</b>	Nº Etapas Stages	Eficiencia Efficiency	No load speed Vo (r.p.m.)	Nominal Speed Vn (r.p.m.)	Nominal Torque (N.m)	No load speed Vo (r.p.m.)	Nominal Speed Vn (r.p.m.)	Nominal Torque (N.m)
9,94	2	0,81	467,81	321,93	0,14	487,93	342,05	0,15
17,8	3	0,73	261,24	179,78	0,22	272,47	191,01	0,24
29,8	3	0,73	156,04	107,38	0,37	162,75	114,09	0,40
59,4	4	0,66	78,28	53,87	0,66	81,65	57,24	0,71
85,5	4	0,66	54,39	37,43	0,94	56,73	39,77	1,02
119	4	0,66	39,08	26,89	1,31	40,76	28,57	1,42
159	4	0,66	29,25	20,13	1,76	30,50	21,38	1,90
198	5	0,59	23,48	16,16	1,97	24,49	17,17	2,13
285	5	0,59	16,32	11,23	2,83	17,02	11,93	<b>Ex. Torque max. 3 N·m</b>
397	5	0,59	11,71	8,06	<b>Ex. Torque max.</b>	12,22	8,56	
476	5	0,59	9,77	6,72		10,19	7,14	
636	5	0,59	7,31	5,03		7,63	5,35	

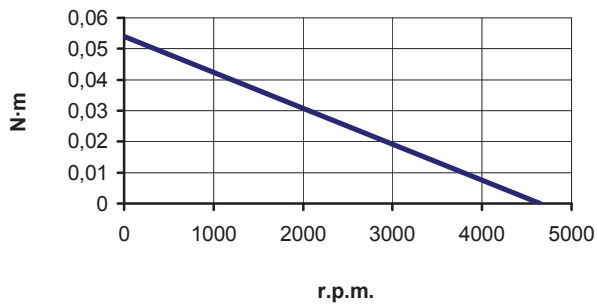
**NO LOAD SPEED / RATED TORQUE**

Motor G30,1 -12V = 4650 rpm / 0,02 Nm

Motor G30,1 -24V = 4850 rpm / 0,02 Nm

**Ex** Exceeds maximal admissible torque

**G30,1 12V**



**G30,1 24V**

