

TECHNICAL CHARACTERISTICS

High endurance gearbox for heavy duty continuous workload in any position, at room temperature from 15°C to 100°C, with **torque load up to 40 Nm, steady load.**

- **Box.** Anodized aluminium box. Frontal mounting by four Ø9 holes.
- **Gear set.** Hobbed helical gear set with metallic pinions and gear wheels with case hardening treatment.
- Adjusted with prime quality ball bearings.
- **Output shaft.** Steel hollow shaft Ø 20mm with DIN 6885 keyway.
- **Output shaft load:**

Axial direction, pull or push	500 N.
Radial direction, at 20 mm from box	1350 N.
- 14 ratios from 23:1 to 350:1


MOTOR COUPLING:

- **Direct C:** BG65x50SI type 24 V

OPTIONAL:

- Different possible dimensions for output shaft.
- Possibility to have double output shaft.

Your special requests are welcome.

			MOTORES DE C.C. SIN ESCOBILLAS DC BRUSHLESS MOTORS Dunker BG65x50SI		
BG65x50SI 24V					
Reduction ratio i = X:1	Stages	Efficiency	No load speed n_0 (r.p.m.)	Nominal Speed n_N (r.p.m.)	Nominal Torque (N.m)
22,68	3	0,73	251,32	136,24	4,30
28,83	3	0,73	197,71	107,18	5,46
37,58	3	0,73	151,68	82,22	7,12
47,77	3	0,73	119,32	64,68	9,05
68,05	4	0,66	83,76	45,41	11,61
98,1	4	0,66	58,10	31,50	16,73
112,74	4	0,66	50,56	27,41	19,23
124,7	4	0,66	45,71	24,78	21,27
143,32	4	0,66	39,77	21,56	24,45
194,28	4	0,66	29,34	15,90	33,14
240,79	5	0,59	23,67	12,83	36,97
276,74	5	0,59	20,60	11,17	Ex. Torque max.
306,09	5	0,59	18,62	10,10	
351,78	5	0,59	16,20	8,78	

Exceeds maximal
admissible torque

GEARBOX TIPS:

Noise: noise level depends on load symmetry, location (avoid acoustic resonance), and rotation speed; the lower the speed on the input shaft (motor), the lower the noise.