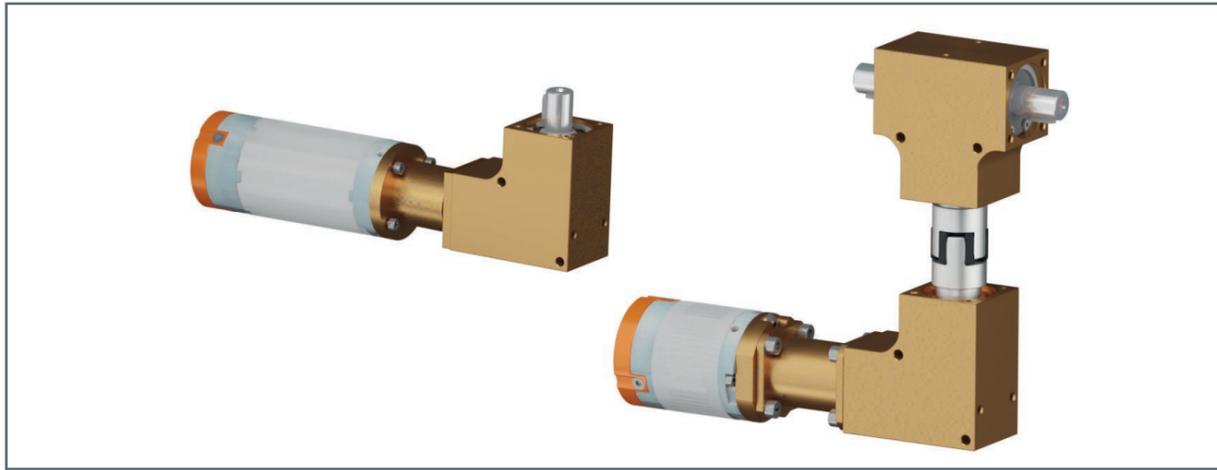


BLDC motors with bevel gearbox

INFO DATA SHEET



Our BLDC motors with bevel gearboxes are ideal for applications that require precise motion redirection with a transmission ratio of 1:1. As direct drives, they offer high efficiency and performance. The combination of BLDC motor and bevel gearbox enables reliable motion control in various applications.

- Reliable motion deflection with 1:1 transmission ratio
- High efficiency and performance thanks to direct drive
- Minimized energy loss and reduced wear
- Spatial flexibility thanks to L-gearbox and T-gearbox for 90° or 2x90° deflection
- Option for compact design without coupling
- Can be freely combined with the gearboxes available on the market

Thanks to Ketterer's flexibility, we can offer customized solutions that precisely meet your individual requirements.

Please contact us for more information.

Combinatorics BLDC motors (DC)

	t-Rex 3200-I-44-47		t-Rex 3200-I-44-89		t-Rex 3200-I-65-51	t-Rex 3206-I-65-86	
Size	44		44		65	65	
Length	47		89		51	86	
Winded with focus	max. torque	max. speed	max. torque	max. speed	max. speed	max. torque	max. speed
Rated voltage (VDC)	24 - 48	24	24 - 48	24 - 36	24 - 48	24 - 48	24 - 48
Rated power (W)	41 - 74	48	31 - 61	67 - 78	90 - 155	68 - 140	150 - 248
Rated speed (rpm)	2000 - 4664	4600	600 - 1390	2375 - 3770	1785 - 3895	507 - 1123	1100 - 2360
Rated torque (Nm)	0.2 - 0.15	0.1	0.5 - 0.4	0.3 - 0.2	0.5 - 0.4	1.3 - 1.9	1.3 - 1
Stall torque (Nm)	1 - 1.5	1.1	1.8 - 2.9	2	2.5	6.7 - 9	7 - 5
Item.-Nr.	3200.00-3000	3200.00-3002	3200.00-0005 3200.00-0006	3200.00-0004 3200.00-0009	3206.00-1000	3206.00-0003 3206.00-0005	3206.00-0004

Bevel gearbox



i = 1:1

Ket-Bee 200X L* Ket-Bee 200X L* Ket-Bee 200X L Ket-Bee 200X L* Ket-Bee 200X L* Ket-Bee 200X L Ket-Bee 200X L
Ket-Bee 200X T* Ket-Bee 200X T* Ket-Bee 200X T Ket-Bee 200X T* Ket-Bee 200X T* Ket-Bee 200X T Ket-Bee 200X T

* Only a speed-reduced application possible

Ratio: i = 1
Recommended input speed: max. 1,000 rpm
Torque: from 0.28 Nm to 14 Nm
Duty cycle: 20% at 5 min (designed for intermittent operation)
Backlash: 3° DEG +1° DEG
Variance: As L-gearbox or as T-gearbox

Products from other manufacturers on request

Mögliche Anwendung:

- **Mechanical engineering and industry:** For reliable motion deflection (1:1). The option of space-saving L- or T-arrangement increases the flexibility of the design. Ideal for applications where a compact design without additional coupling is required and efficiency and minimal energy loss are crucial.
- **Drive for articulated robots in production:** These drives enable precise movement deflections and are ideal for robot arms that require high precision and uniform power transmission.
- **Portal unit:** Can be used flexibly as a direct belt drive for these simple portal units

