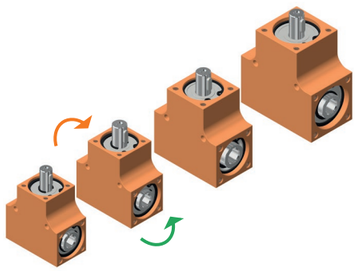
Angular gear Ket-Bee 200X TxD-Gearbox

1x solid shaft, 2x blind hollow shaft in counter rotation



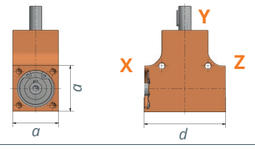
A bevel gearbox family consisting of 10 sizes for versatile use as an angular gearbox.
The gearbox is characterised by a compact design with maximum torque, sturdiness and smooth power transmission. Simple screw fastening enables uncomplicated installation

Special features

- Combination: 1x solid shaft, 2x blind hollow shaft in counter rotation
- Maintenance-free and silent running thanks to hardened steel bevel gears
- Aluminium housing, anodized
- Ratio 1:1
- Permitted operating temp. -20°C to +60°C
- Backlash at drive shaft 3° ± 1°
- Duty cycle 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

Item.-Nr.	Speed n in min^{-1}	Max. torque M* in Nm	Radial- and axial load** F_R in N	F_A in N	Part weight in kg
2006.00-T0D10R1	100/500/1000	8/3/1.5	550	550	0.24
2007.00-T0D12R1	100/500/1000	10/4/2	550	550	0.40
2008.00-T0D12R1	100/500/1000	12/5/2.5	600	600	0.59
2009.00-T0D12R1	100/500/1000	14/6/3	750	750	0.80

* **Attention:** With 200X.00-TXB variants, the drive torque is distributed over 2 axes
** The values of F_R apply only when F_A = 0 N
The values of F_A apply only when F_R = 0 N

Ket-Bee	T-Gearbox			
	Max. torque (Speed dependent)			
2006.00-	1.5 to 8	Nm	□32 mm	56 mm
2007.00-	2 to 10	Nm	□35 mm	60 mm
2008.00-	2.5 to 12	Nm	□40 mm	68 mm
2009.00-	3 to 14	Nm	□45 mm	77 mm

Gearbox type

T	T-gearbox

Housing: Material & Optics

0	Alu, orange anodized (standard)
1	Alu, silver anodized

* Color according to customer requirements

Configuration of shaft & direction of rotation

D	X,Z: blind hollow shaft in **counter rotation** Y: Solid shafts with feather key

Shaft Ø in mm per gearbox-type (Dimension m)

XX	Example: „10“ for 2006.00

m: for 2006	m: for 2007	m: for 2008	m: for 2009	
10	12	12	12	mm

Ratio R

R1	i = 1:1

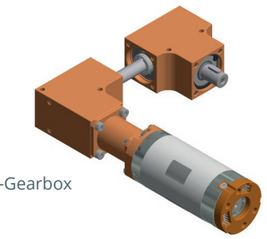
2006.00-	**T**	**0**	**D**	**10**	**R1**	**Example: 2006.00-L0D10R1**

Application example

In our Ket-Bee family, we offer gearboxes for a simple 90° deflection (200x L-gearbox) as well as for a splitting of the power transmission to two drives (200x T-gearbox).

Our standard components offer a wide range of options for efficiently implementing drive tasks. Thanks to numerous variants of worm gearboxes from the Ket-Motion series, almost all automation tasks can be mastered with ease.

200X T-Gearbox

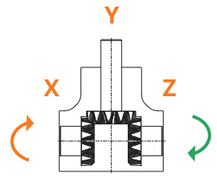


200X L-Gearbox

Configuration of shaft & direction of rotation

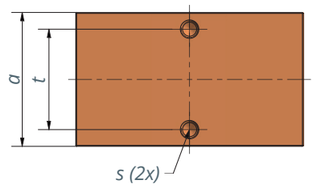
Gearbox-type 200X.00-TXD

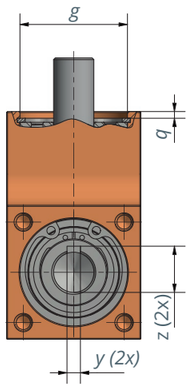
A: Y = Solid shaft with feather key
X, Z = Blind hollow shaft in counter rotation

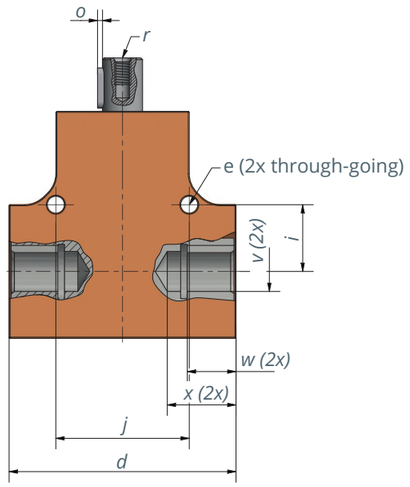


Attention: With 200X.00-TXD variants the drive torque is distributed over 2 axes

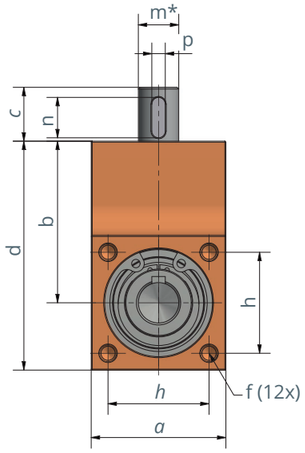
Dimensioning general







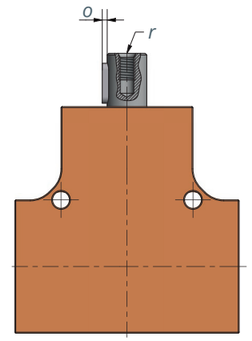
* Measured with the three point measuring screw

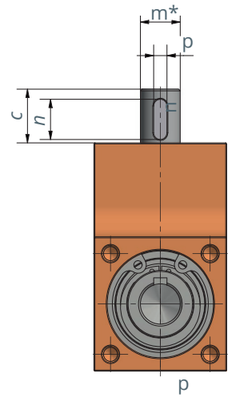


The position of the feather keys is not exactly aligned at 90° in the standard to each other. Possible on request if required.

Gearbox-type	Dimensions in mm											
	a	b	d	e	f	g	h	i	j	q	s	t
2006	4kt32	40	56	ø4.1	M4x10	ø28	24	17	34	2.1	M4x8	24
2007	4kt35	42.5	60	ø4.1	M4x10	ø30	26	17.5	35	2.1	M4x8	26
2008	4kt40	48	68	ø5.1	M5x10	ø32	30	20	40	2	M5x10	30
2009	4kt45	54.5	77	ø5.1	M5x10	ø37	35	22.5	45	3.3	M5x10	35

Dimensioning shaft





* Measured with the three point measuring screw

Gearbox-type	ø Shaft	Shaft-length	Dimension featherkey			Threaded hole inside						Item.- Nr.
	m*	c	n	o	p	r	v	w	x	y	z	
2006	ø10j6	16	10	1.2	3	M4x8	ø10H7	16	0	3JS9	11.4	2006.00-T0D10R1
2007	ø12j6	16	12	1.5	4	M5x8	ø10H7	16	0	4JS9	11.8	2007.00-T0D12R1
2008	ø12j6	16	12	1.5	4	M5x8	ø12H7	14.5	20.5	4JS9	13.8	2008.00-T0D12R1
2009	ø12j6	16	12	1.5	4	M5x8	ø12H7	16.5	25.5	4JS9	13.8	2009.00-T0D12R1