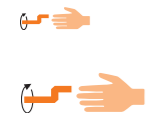
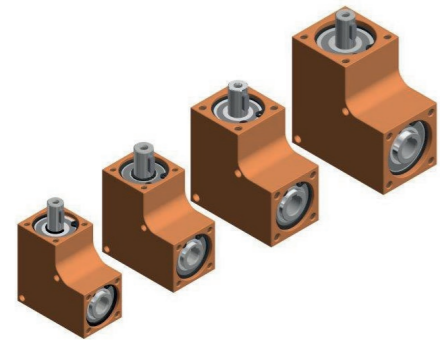


# Angular gear Ket-Bee 200X LxC-Gearbox

1x solid shaft, 1x blind hollow shaft



A bevel gearbox family consisting of 4 sizes for versatile use as an angular gearbox.

The gearbox is characterised by a compact design with maximum torque, sturdiness and smooth power transmission. The uncomplicated mounting is made possible by a simple screw fixing.

## Special features

- Maintenance-free and silent running thanks to hardened steel bevel gears
- Aluminium housing, anodized (orange or silver)
- Ratio 1:1
- Permitted operating temp. -20°C to +60°C
- Backlash at drive shaft  $3^\circ \pm 1^\circ$
- 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 rpm | Max. torque $M$ in Nm | Radial- and axial load*<br>$F_R$ in N | $F_A$ in N | Part weight in kg |
|-----------------|------------------|-----------------------|---------------------------------------|------------|-------------------|
| 2006.00-L0CXXR1 | 100/500/1000     | 8/3/1.5               | 550                                   | 550        | 0.33              |
| 2007.00-L0CXXR1 | 100/500/1000     | 10/4/2                | 550                                   | 550        | 0.40              |
| 2008.00-L0CXXR1 | 100/500/1000     | 12/5/2.5              | 600                                   | 600        | 0.57              |
| 2009.00-L0CXXR1 | 100/500/1000     | 14/6/3                | 750                                   | 750        | 0.80              |

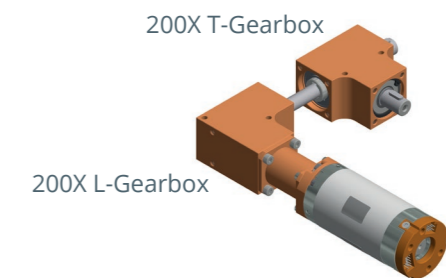
\* The values of  $F_R$  apply only when  $F_A = 0$  N  
The values of  $F_A$  apply only when  $F_R = 0$  N

| Ket-Bee L-Gearbox 90°   |  |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
|---|--|----------------|----------------|----------------|----------------|--|----|----|----|----|----|----|--|--|--|--|
|   | <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p><b>Max. torque</b><br/>(Speed dependent)</p> </div> <div> </div> </div>   |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
| 2006.00-  | 1.50 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  |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
| <b>Gearboxtype</b>  |  |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
| L L-Gearbox: Angulat gearbox 90°  |  |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
| <b>Housing: Material &amp; Optics</b>   |  |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
| 0 Alu, orange anodized (standard) * Color according to customer requirements on request |  |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
| 1 Alu, silber anodized  |  |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
| <b>Configuration of shaft</b>   |  |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
| C X: with blind hollow shaft; Y solid shaft   |  |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
| <b>Shaft Ø in mm per gearboxtype (Dimension m)</b>                                      |  |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
| XX  | Example: „10“ for 2006.00  |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
|   | <table border="1"> <thead> <tr> <th><math>m_i</math> for 2006</th> <th><math>m_i</math> for 2007</th> <th><math>m_i</math> for 2008</th> <th><math>m_i</math> for 2009</th> <th></th> </tr> </thead> <tbody> <tr> <td>10</td> <td>12</td> <td>12</td> <td>12</td> <td>mm</td> </tr> <tr> <td>12</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | $m_i$ for 2006 | $m_i$ for 2007 | $m_i$ for 2008 | $m_i$ for 2009 |  | 10 | 12 | 12 | 12 | mm | 12 |  |  |  |  |
| $m_i$ for 2006  | $m_i$ for 2007   | $m_i$ for 2008 | $m_i$ for 2009 |                |                |  |    |    |    |    |    |    |  |  |  |  |
| 10  | 12   | 12             | 12             | mm             |                |  |    |    |    |    |    |    |  |  |  |  |
| 12  |  |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
| <b>Ratio R</b>  |  |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
| R1  | $i = 1:1$  |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |
| 2006.00-  | L 0 C 10 R1 Example: 2006.00-L0C10R1   |                |                |                |                |  |    |    |    |    |    |    |  |  |  |  |

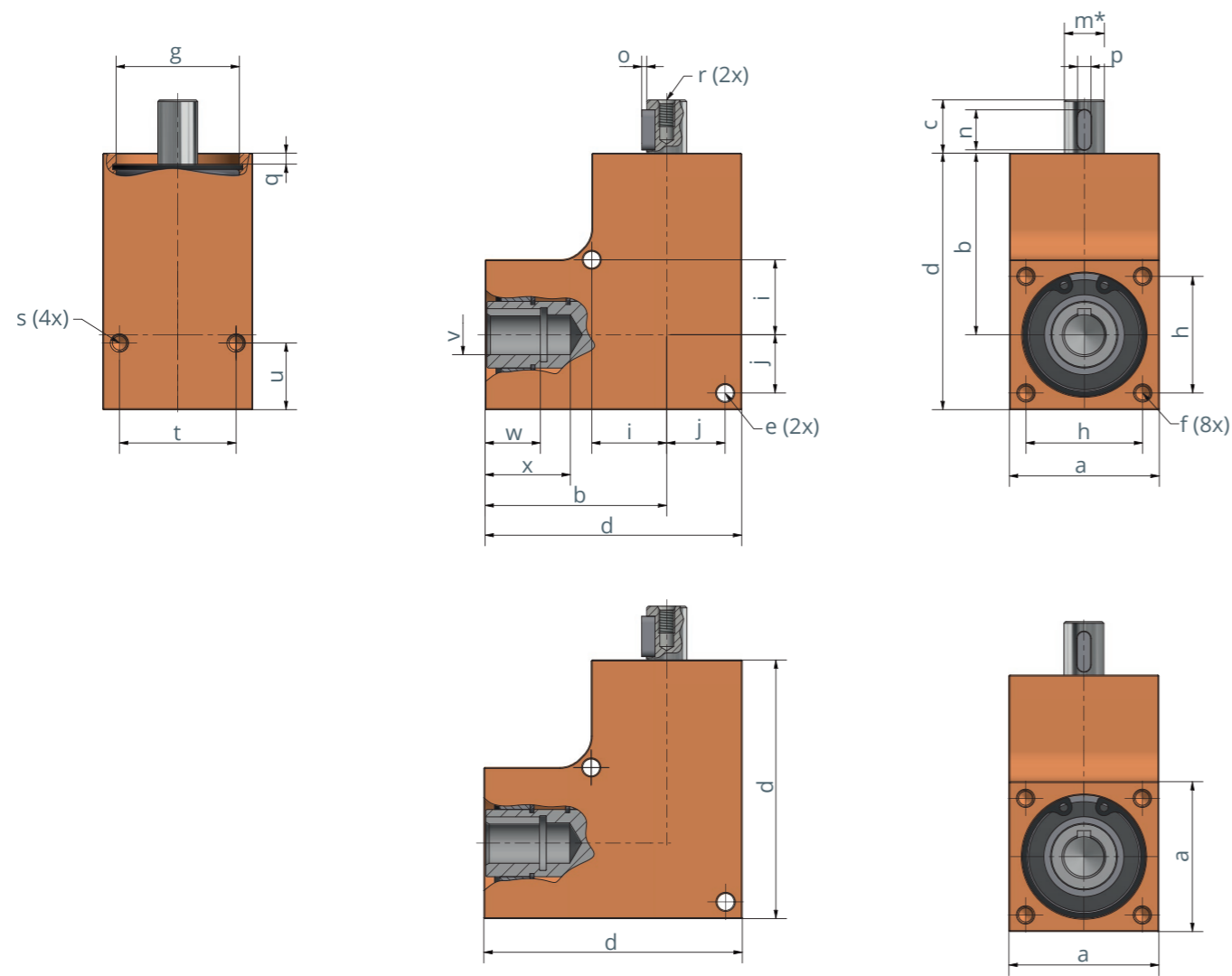
## Application example

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.

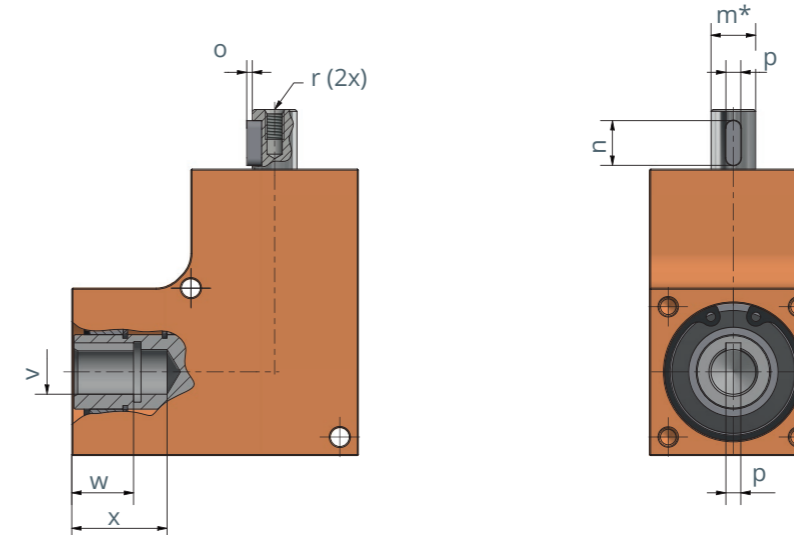
In our Ket-Bee family we offer gearboxes for a simple 90° deflection (200x L-gearbox) as well as for a splitting of the power transmission to two drives (200x T-gearbox).



## Dimensioning general



## Dimensioning shaft



\* Measured with the three point measuring screw

| Gearbox-type | Dimensions in mm |      |    |      |       |     |    |      |      |     |       |    |    |
|--------------|------------------|------|----|------|-------|-----|----|------|------|-----|-------|----|----|
|              | a                | b    | d  | e    | f     | g   | h  | i    | j    | q   | s     | t  | u  |
| 2006         | 4kt32            | 40   | 56 | ø4.1 | M4x10 | ø28 | 24 | 17   | 12   | 2.1 | M4x8  | 24 | 16 |
| 2007         | 4kt35            | 42.5 | 60 | ø4.1 | M4x10 | ø30 | 26 | 17.5 | 13.5 | 2.1 | M4x8  | 26 | 16 |
| 2008         | 4kt40            | 48   | 68 | ø5.1 | M5x10 | ø37 | 30 | 20   | 15   | 2   | M5x8  | 30 | 20 |
| 2009         | 4kt45            | 54.5 | 77 | ø5.1 | M5x10 | ø37 | 35 | 22.5 | 17.5 | 3.3 | M5x10 | 35 | 20 |

| Gearbox-type | ø Shaft | Shaft-length | Dimension featherkey |     |   | Threaded hole inside |       |      |      | Item.- Nr.      |
|--------------|---------|--------------|----------------------|-----|---|----------------------|-------|------|------|-----------------|
|              | m*      | c            | n                    | o   | p | r                    | v     | w    | x    |                 |
| 2006         | ø10j6   | 16           | 10                   | 1.2 | 3 | M4x8                 | ø10H7 | 15   | 20.5 | 2006.00-LXCXXRX |
| 2007         | ø12j6   | 16           | 12                   | 1.5 | 4 | M5x8                 | ø10H7 | 16   | 23.5 | 2007.00-LXCXXRX |
| 2008         | ø12j6   | 16           | 12                   | 1.5 | 4 | M5x8                 | ø12H7 | 16.5 | 25.5 | 2008.00-LXCXXRX |
| 2009         | ø12j6   | 16           | 12                   | 1.5 | 4 | M5x8                 | ø12H7 | 16.5 | 25.5 | 2009.00-LXCXXRX |