



**3 Type**

- R** Bevel-gear wheel, right-hand pitch
- L** Bevel-gear wheel, left-hand pitch
- W** Set of 2 bevel-gear wheels, 1x right-hand pitch, 1x left-hand pitch
- T** Set of 3 bevel-gear wheels, 1x right-hand pitch, 2x left-hand pitch

**Metric table**

Dimensions in: millimeters - inches

| <b>d<sub>0</sub></b><br>Ø Linear actuator / transfer unit | <b>d<sub>1</sub></b> | <b>d<sub>2</sub> H7</b><br>Bore with keyway | <b>b</b>         | <b>d<sub>3</sub></b><br>Thread | <b>l<sub>1</sub></b> | <b>l<sub>2</sub></b> |
|-----------------------------------------------------------|----------------------|---------------------------------------------|------------------|--------------------------------|----------------------|----------------------|
| 18<br><i>0.71</i>                                         | 14.5<br><i>0.57</i>  | K 6                                         | 2<br><i>0.08</i> | M 4                            | 11<br><i>0.43</i>    | 16<br><i>0.63</i>    |
| 30<br><i>1.18</i>                                         | 25<br><i>0.98</i>    | K 8                                         | 2<br><i>0.08</i> | M 6                            | 19<br><i>0.75</i>    | 25<br><i>0.98</i>    |
| 40 / 50<br><i>1.57 / 2.36</i>                             | 33<br><i>1.30</i>    | K 12                                        | 4<br><i>0.16</i> | M 6                            | 23.5<br><i>0.93</i>  | 31<br><i>1.22</i>    |

**Specification**

- Steel
  - Hardened
  - Teeth milled
- RoHS compliant

**Information**

GN 297 bevel-gear wheels are used for angular gears / T-gears in connection with linear actuators / transfer units and GN 298 housings.

The spiral bevel facilitates both setting the desired clearance and locating the correct position of the bevel-gear wheels. Also, gears set up this way run with extremely low noise levels.

Two bevel-gear wheels are needed for an angular gear, three bevel-gear wheels are needed for a T-gear. These are available as set in type W and type T.

Please note that only bevel-gear wheels with opposite pitches can be paired. The transmission ratio is always 1:1 because the bevel-gear wheels always have the same number of teeth.

see also...

- Linear Actuators GN 291 / GN 292 / GN 293
- Drive / Transfer Units GN 391
- Housings GN 298 (for Angular Gears / T-Gears)
- Application Examples for Transfer Units and Angular Gears

| How to order                             |  |
|------------------------------------------|--|
| <b>1</b> Diameter d <sub>1</sub>         |  |
| <b>2</b> Bore with keyway d <sub>2</sub> |  |
| <b>3</b> Type                            |  |

**GN 297-33-K12-T**

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
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3.8  
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3.10