



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

d₁ Ø Linear actuator / transfer unit	d₂	d₃ H7 Bore with keyway	b	d₄ Thread	l₁	l₂
18 <i>0.71</i>	14.5 <i>0.57</i>	K 6	2 <i>0.08</i>	M 4	11 <i>0.43</i>	16 <i>0.63</i>
30 <i>1.18</i>	25 <i>0.98</i>	K 8	2 <i>0.08</i>	M 6	19 <i>0.75</i>	25 <i>0.98</i>
40 / 50 <i>1.57 / 2.36</i>	33 <i>1.30</i>	K 12	4 <i>0.16</i>	M 6	23.5 <i>0.93</i>	31 <i>1.22</i>
60 <i>2.36</i>	40 <i>1.57</i>	K 14	5 <i>0.20</i>	M 6	28 <i>1.10</i>	39 <i>1.54</i>

Specification

- Steel
 - Hardened
 - Teeth milled
- *ISO Fundamental Tolerances* → page QVX
- **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* → starting from page QVX
- *Drive / Transfer Units GN 391* → page QVX
- *Housings GN 298 (for Angular Gears / T-Gears)* → page QVX
- *Application Examples for Transfer Units and Angular Gears* → page QVX

How to order GN 297-33-K12-T	1 Diameter d ₂
	2 Bore with keyway d ₃
	3 Type

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10