

Bevel gear with spindle unit (right-turning) 3010 RH

Description

Universally applicable lifting unit with bevel gear head and right-turning spindle for linear drive solutions. Possible applications are height adjustable tables, various adjustment functions for furniture items as well as all manner of linear adjustment in residential and office fields.

Special features

- Maintenance-free
- Drive torque on gear head for application with several spindle units: max. 3 Nm
- Tailor-made solutions thanks to different gear head designs, spindle types and individual dimensioning



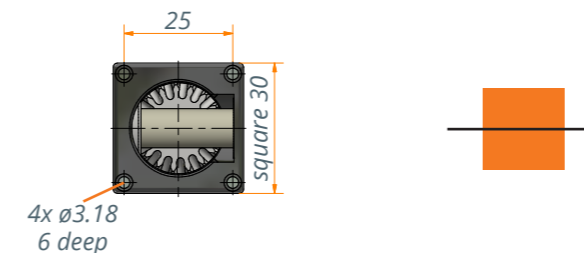
Variant key

3010.00	Type of gear unit		Type of spindle		Connection		Retracted length		Stroke length	
	I	Bevel gear with through axel	1	14x3 RH	0	Standard= see drawing				
	T	Bevel gear with input wheel and through axel	2	12x6 RH						
	L	Bevel gear with input wheel and output wheel 90°								
3010.00-	I	1	0	E300	H200	:	Example			

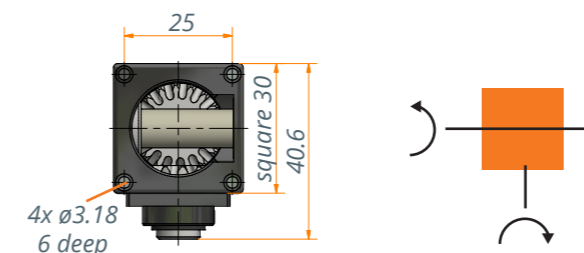
Model	3010.00-X10EXXXHXXX Type of spindle 1	3010.00-X20EXXXHXXX Type of spindle 2
Type of spindle	TR14x3 RH	SG12x6 RH
Travel path	2.3 mm/U	4.6 mm/U
Required drive torque	1.2 Nm	1.6 Nm
Max. lifting force	1200 N	
Max. drive torque gear head for several spindle units*	3 Nm	
Max. Stroke	retracted length -99 mm	
Ratio in direction of spindle	1.3:1	
Ratio in direction of deflection	1:1	
Input	6ktSW6	

* See technical notes

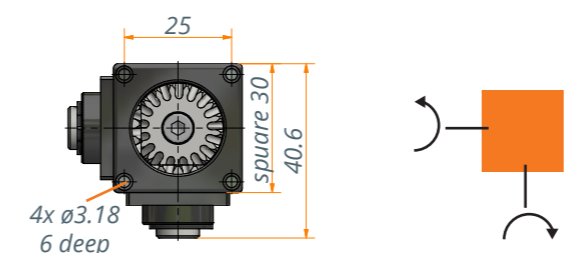
3011.00-IXXEXXXHXXX: Type of gear unit I



3011.00-TXXEXXXHXXX: Type of gear unit T



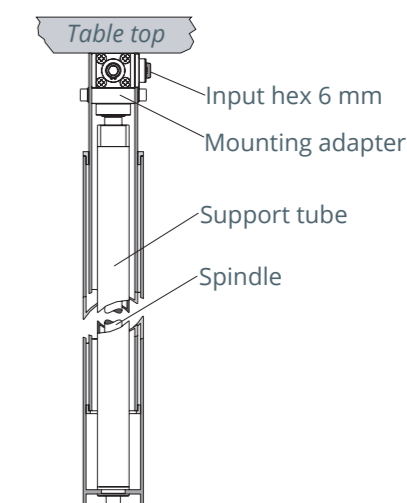
3011.00-LXXEXXXHXXX: Type of gear unit L



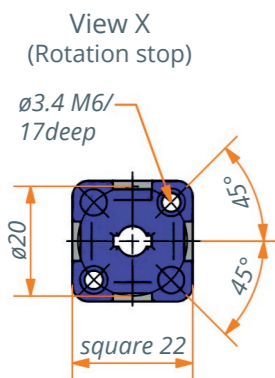
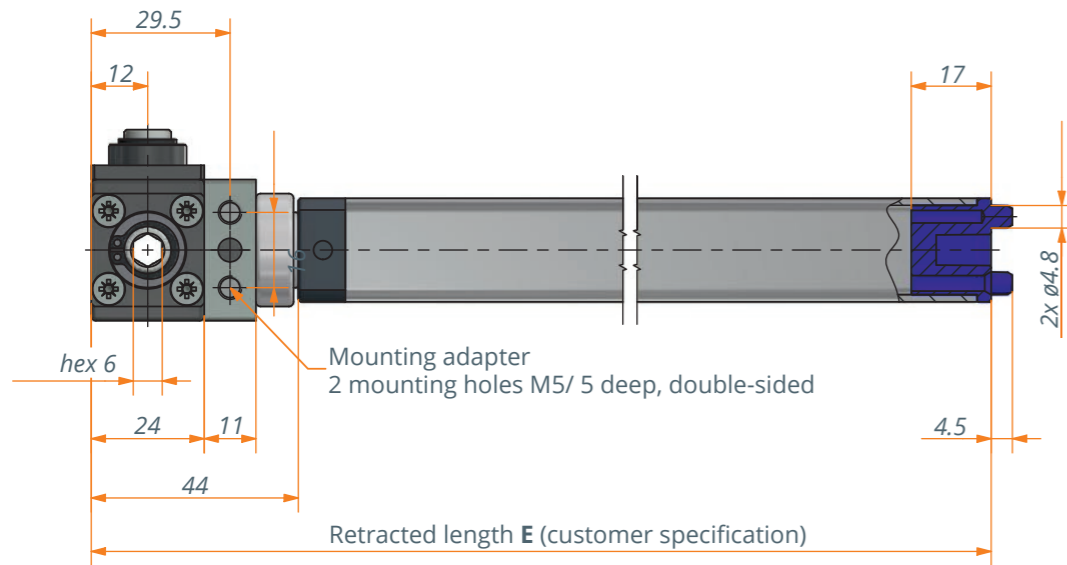
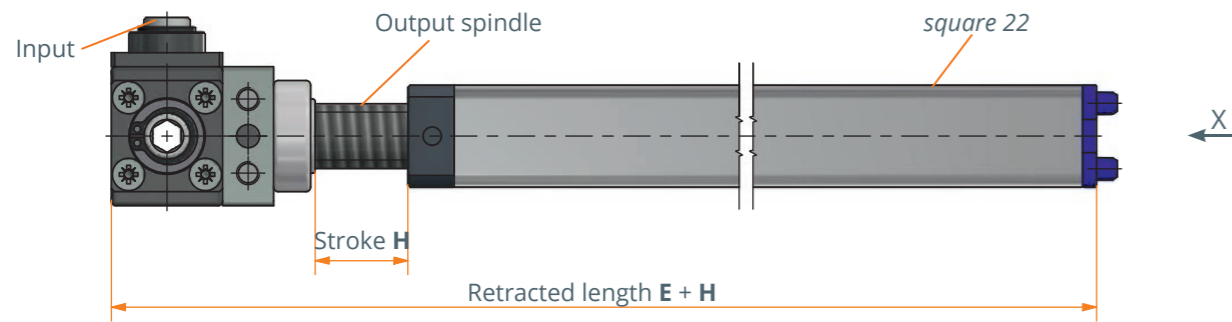
Technical notes

- The lifting units must be protected against lateral forces by a separate guide system.
- Attention: The spindle systems with a spindle pitch ≥ 3 mm may not be self-locking. Check the self-locking effect in the application.
- The lifting unit is only pressure loadable.
- If several lifting units are being used simultaneously in the application, note the max. drive torque on the first gear head of 3 Nm!
- Incorrect dimensioning of the guide system can damage the lifting unit: Please note the design and safety instructions for spindle drives. You will find them at: <https://www.ketterer.de/en/downloads/instructions>

Application example

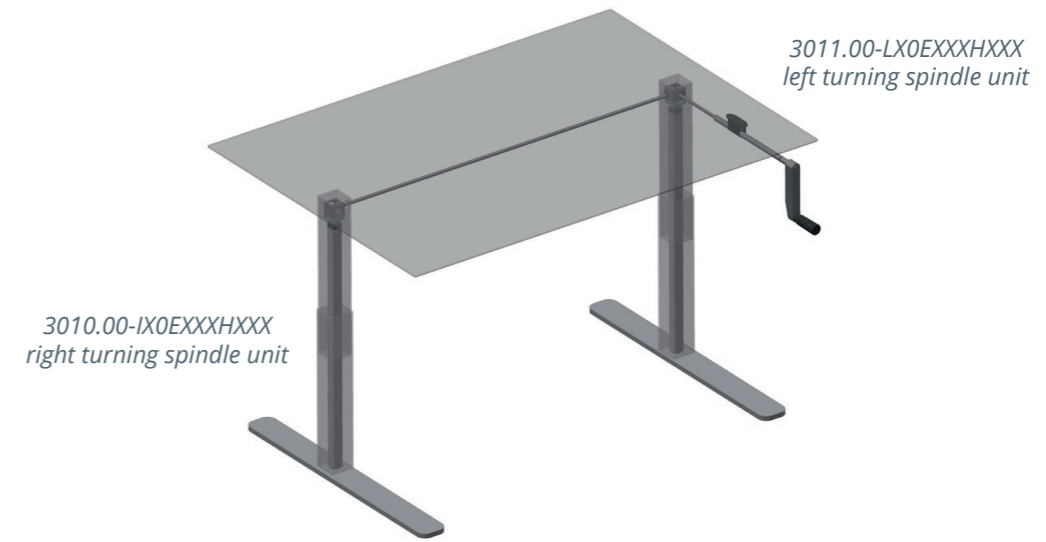


Bevel gear with spindle unit (right-turning) 3010 RH



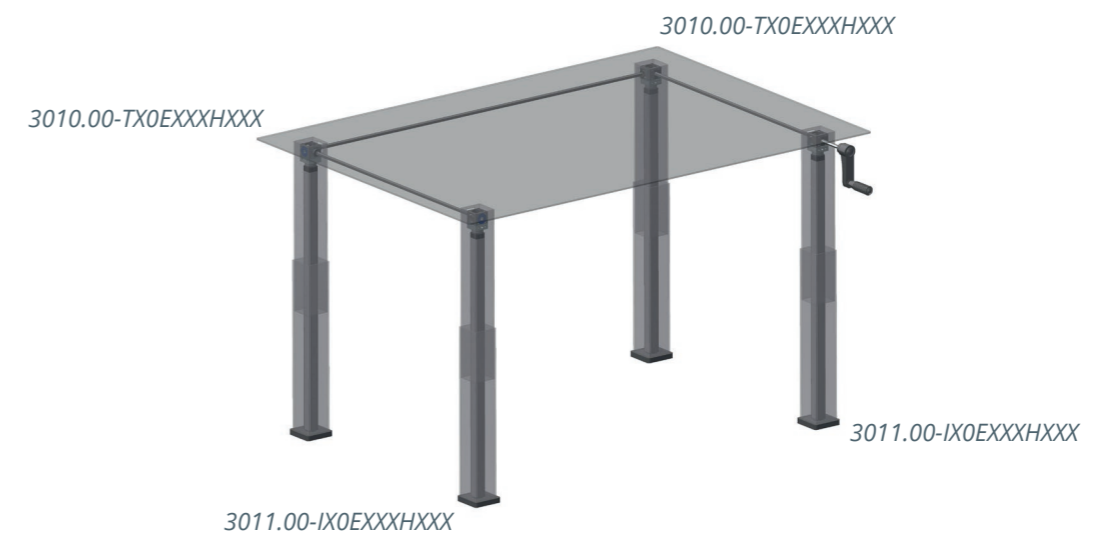
Application example two-legged table

Example of component combination, also other combinations are possible



Application example four-legged table

Example of component combination, also other combinations are possible



Application example four-legged table

Thanks to the gear unit design with through-axis (I+ T), the lifting units can be installed rotated by 180°. This allows a 4-foot table structure with 2x 3011 I-gear unit version and 2x 3010 T-gear unit version to be realized. Other variant combinations are also possible.