

Bevel gear with spindle unit (left turning) 3011 LH

Description

Universally applicable lifting unit with bevel gear head and left-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



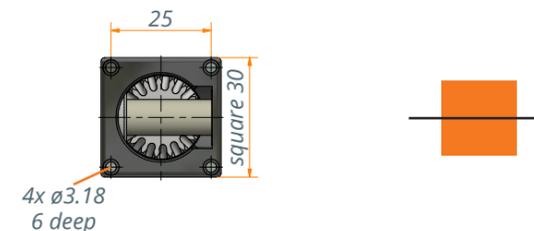
Variant key

3011.00	Type of gear unit					
	I	Bevel gear with through axel				
	T	Bevel gear with input wheel and through axel				
	L	Bevel gear with input wheel and output wheel 90°				
	Type of spindle					
	1	14x3 RH				
	2	12x6 RH				
	Connection					
	0	Standard= see drawing				
	Retracted length					
	EXXX	XXX in mm				
	Stroke length					
	HXXX	XXX in mm				
3011.00-	I	1	0	E300	H200 :	Example

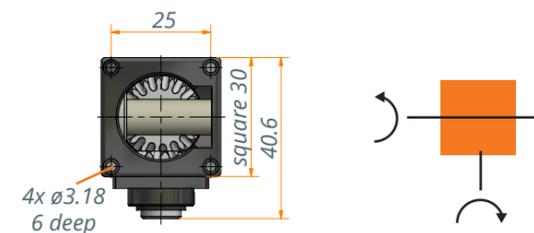
Model	3011.00-X10EXXXHXXX Type of spindle 1	3011.00-X20EXXXHXXX Type of spindle 2
Type of spindle	TR14x3 LH	SG12x6 LH
Travel path	2.3 mm/U	4.6 mm/U
Required drive torque	1.2 Nm	1.6 Nm
Max. lifting force	1200 N	
Max. drive torque gear head for several spindle units*	3 Nm	
Max. Stroke	retracted length -99 mm	
Ratio in direction of spindle	1.3:1	
Ratio in direction of deflection	1:1	
Input	6ktSW6	

* See technical notes

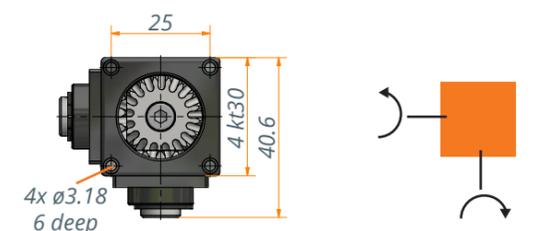
3011.00-IXXEXXXHXXX: Type of gear unit I



3011.00-TXXEXXXHXXX: Type of gear unit T



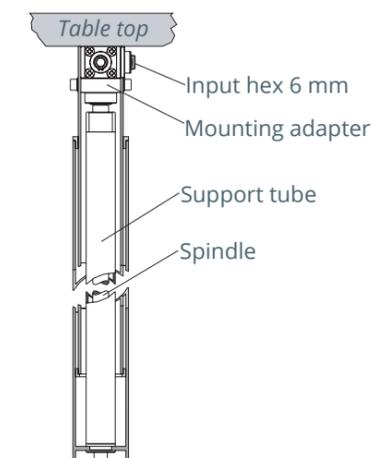
3011.00-LXXEXXXHXXX: Type of gear unit L



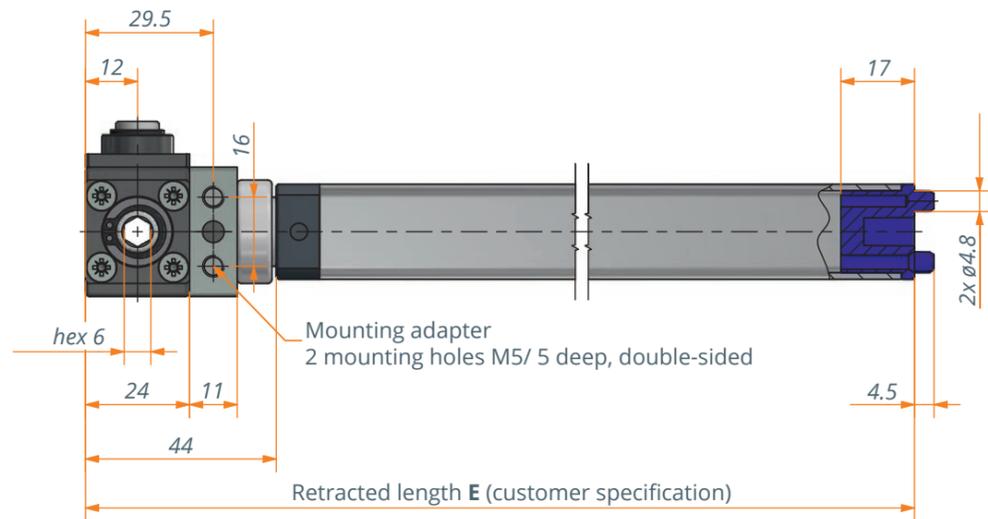
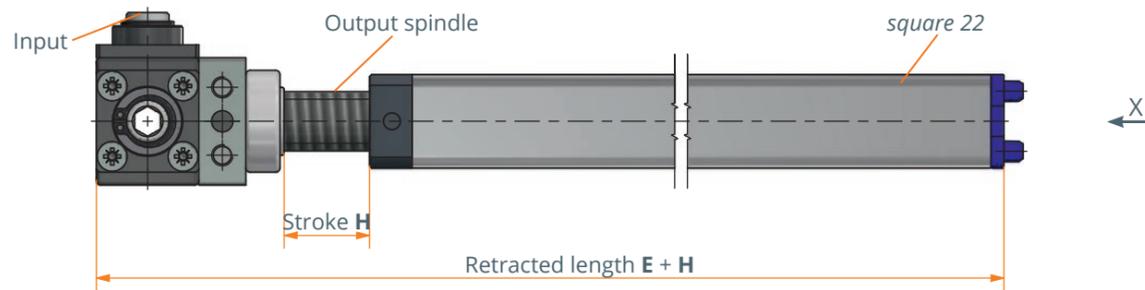
Technical notes

- 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>

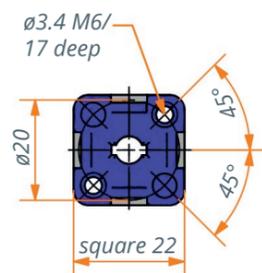
Application example



Bevel gear with spindle unit 3011 LH (left turning)

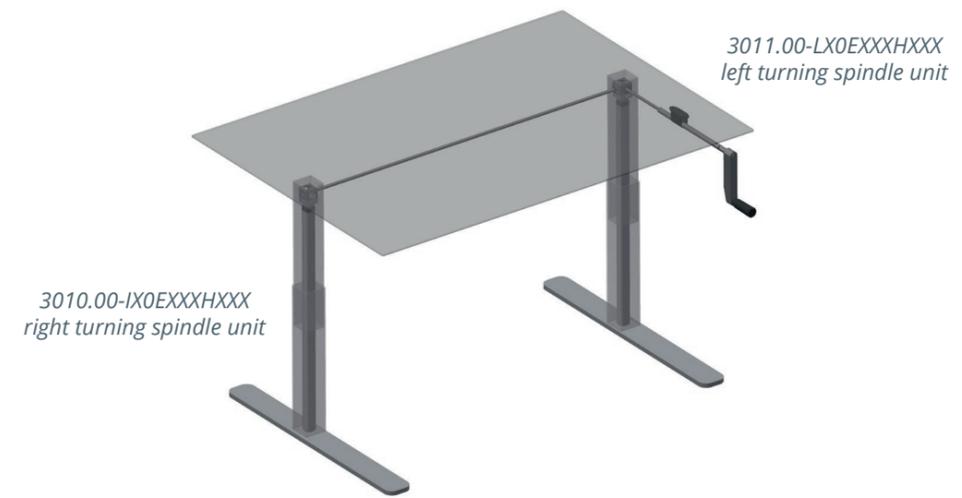


View X
(Rotation stop)



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.