

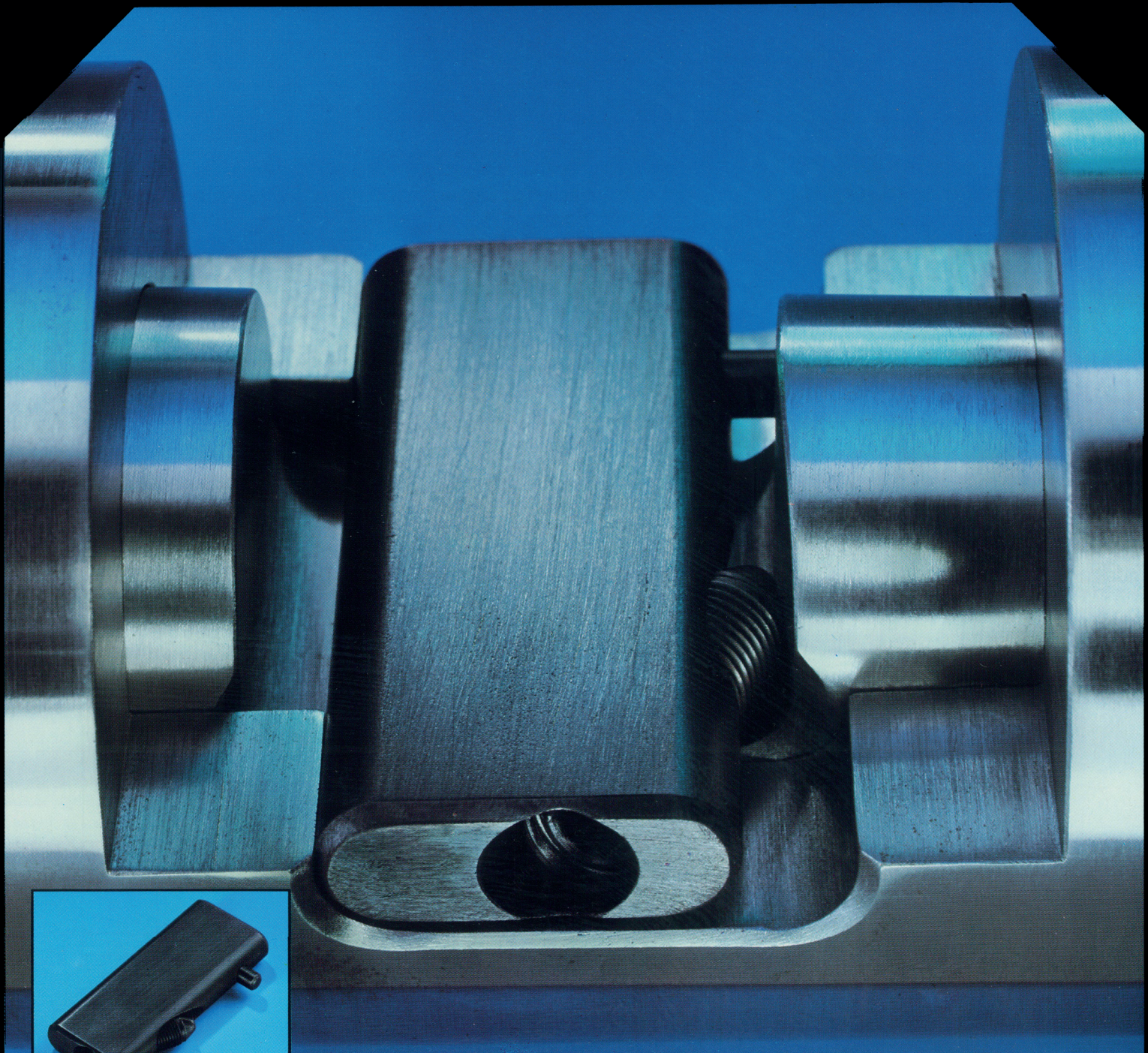
# SCREW-TYPE COTTER

## H 61

**VOGL**  
Präzisionsteile GmbH

for clamping taper shanks

- no more taper key
- no more hammer blows
- no more damage on tools and machine



**H 61 – the safest and lowest-priced cotter!**



# Screw-type Cotter H 61

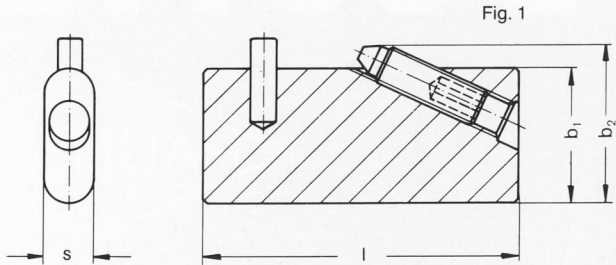
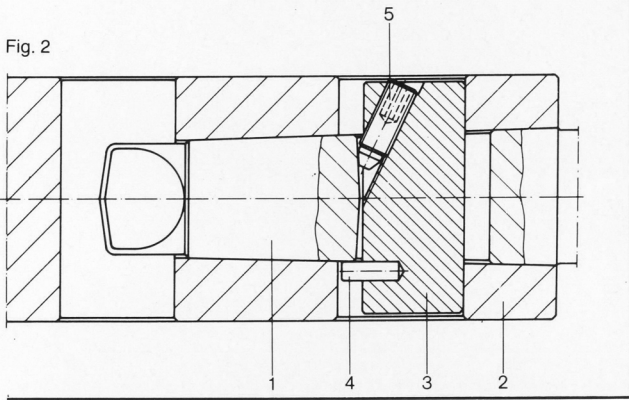


Fig. 2



The screw-type cotter H 61 replaces the conventional taper key. The H 61 is used to clamp taper shanks with tang and cotter slot into

boring spindles  
milling spindles  
spindle extensions

taper sleeves  
combination milling  
cutter sleeves H 70

for attaching quick-change chucks, pull-back counter-sinks, boring bits in boring bars etc.

**Its application is easy and without problems (refer to Fig. 2):**

- The tool with its taper shank (1) is introduced into spindle.
- The screw-type cotter H 61 (3) is inserted into cotter slot.

The stop and centering pin (4) centers the screw-type cotter H 61 accurately in center of spindle. The H 61 will completely disappear in spindle (2), so that no accidents may be caused by ends extending from spindle.

In addition, the pin (4) prevents insertion of wrong end of cotter into slot. In such a case, the pin would knock outside against spindle (2) and would not be – correctly – located against taper shank (1) in cotter slot.

- Screw (5) is tightened by turning Allen wrench clockwise: The taper shank (1) will be held tightly and securely in spindle (2).

The angle of the screw tip corresponds to the 3° angle of the surface in cotter slot against which the screw (5) will rest when tightened. The screw pitch is dimensioned in such a manner that no self-release of screw is possible.

- The screw-type cotter H 61 is released by turning screw (5) counter-clockwise. The H 61 is then simply taken out of cotter slot.

The screw-type cotter H 61 serves for tightening taper shank (1) – not for removing taper shank from spindle (2). For this purpose, one of the conventional tools must be used.

**The screw-type cotter H 61 is a very favourably priced quality tool in accordance with latest state of technology. Its advantages in relation to other comparable clamping elements are convincing:**

- Max. possible safety
- Perfectly tight seat of tool
- Simplified handling
- Fast, easy clamping and releasing
- No more heavy hammer blows against spindles or tools
- Protection for spindle bearings
- Continuous precision of tool and machine
- Low purchasing costs

Our screw-type cotter is available with the following dimensions: Special dimensions optional.

Order No.	for spindle dia. mm	Inside taper	Dimensions			
			b <sub>1</sub>	s	b <sub>2</sub>	l
6101.1	32	Morse 3	20,5	8	24,5	30
6101	36					34
6102.1	40	Morse 4	28	8	33	38
6102	48					45
6103	63					60
6104.1	56	Morse 5	32,5	12	38,5	54
6104	63					60
6105	70					66
6106	75					70
6107	80					76
6108	90					86
6109.1	80	Morse 6	25	16	31	76
6109	100					96
6110	110					106
6111	120					116
6112	125					116
6113	130					120
6114	125	Metric 80	33	19	39,9	120
6115	130					120
6116	140					136
6117	150					146
6118	160					146
6119	200	Metric 100	39	26	47	190

Progressive companies will employ any possibility for making their production facilities safer and more economical. The screw-type cotter H 61 is a valuable contribution.

Why not order a screw-type cotter immediately to convince yourselves of its outstanding efficiency. Make the advantages of the H 61 to one of your advantages and enjoy the benefits of technological progress.

**VOGL**  
Präzisionsteile GmbH

CNC Dreh-/ Frästechnik & 3D Messtechnik  
Carl-Benz-Straße 6 79331 Teningen – Nimburg