



Measurement Specialist »reamCheck«

## The Expert for Fine Adjustment Tools

### Highlights

- **Tactile**  
Measuring sensor For  $\mu\text{m}$ -accurate tactile measuring and presetting of fine adjustment tools such as reamers or facing cutters with narrow tooth distribution
- **User-friendly**  
Intuitively usable software interface and comfortable control elements
- **Precise**  
ZOLLER »ace« high-precision spindle, powerful optic and electronic measuring sensor
- **Robust**  
Design appropriate for the shop floor

### Software



## Modern design and even more features: The software for all-inclusive tool measurement

### »pilot 4.0«

- Graphic rich, self-explanatory user interface
- All features are easily accessible
- Large click and touch areas
- Photorealistic input interface
- Dynamic crosshairs
- Self-explanatory function keys
- Automatic cutting edge shape recognition
- Automatic zero point monitoring
- Clear and precise cutting edge display and inspection
- Tool and adapter management
- Tool identification
- Test report output
- Data transfer to the machine tool and interfaces to external systems

and many other functions and options

► more

## Technical data

### Button T1 does not swivel

Measuring range Z	Measuring range X
600/800/1000 mm (23.6/31.5/39.4 inch)	440/540*/720* mm (17.3/21.3*/28.3 inch)
Max. tool Ø with sensor	Min. tool Ø with button
250/340/340 mm (9.8/13.4/13.4 inch)	0 mm
Snap gages Ø	Max. horizontal tool Ø
100/50/50 mm (3.9/2/2 inch)	—
Min. horizontal tool Ø	Max. vertical tool Ø
—	—
Min. vertical tool Ø	Snap gages Ø for vertical position of the button
—	—
Measuring path loss in Z direction for vertical position of the sensor	
—	

### Button T1 swivels:

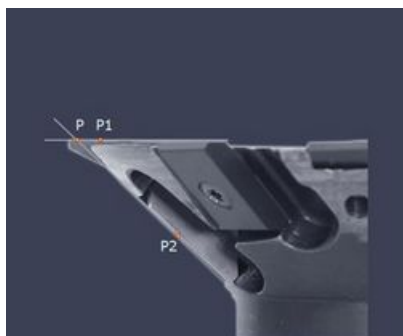
Measuring range Z	Measuring range X
600/800/1000 mm (23.6/31.5/39.4 inch)	440 / 540* / 720* mm (17.3/21.3* / 28.3* inch)
Max. tool Ø with sensor	Min. tool Ø with button
—	—
Snap gages Ø	Max. horizontal tool Ø
—	280/550/600 mm (11/21.7/23.6 inch)
Min. horizontal tool Ø	Max. vertical tool Ø
0 mm	690 mm (27.2 inch)
Min. vertical tool Ø	Snap gages Ø for vertical position of the button
54 mm (2.1 inch)	100/50/50 mm (3.9/2/2 inch)
Measuring path loss in Z direction for vertical position of the sensor	
70 mm (2.8 inch)	

### Button T2 swivels

Measuring range Z	Measuring range X
600/800/1000 mm (23.6/31.5/39.4 inch)	440 / 540* / 720* mm (17.3/21.3* / 28.3* inch)
Max. tool Ø with sensor	Min. tool Ø with button
—	—
Snap gages Ø	Max. horizontal tool Ø
—	280/540/720 mm (11/21.3/28.3 inch)
Min. horizontal tool Ø	Max. vertical tool Ø
0 mm	690 mm (27.2 inch)
Min. vertical tool Ø	Snap gages Ø for vertical position of the button
50 mm (2 inch)	100/50/50 mm (3.9/2/2 inch)
Measuring path loss in Z direction for vertical position of the sensor	
75 mm (3 inch)	

\* Only one tailstock possible.

## Measurement programs



### Conical Reamer - Snap Gauge Method

Measuring program for the measurement of single-edge reamers with support bar and with the snap gauge method.

## Data Transfer





## »zidCode«

The efficient solution for tool identification and data transfer

▶ to »zidCode«



## RFID Chip

Fast way to the tool identification and data transfer

▶ to RFID Chip



## Post Processor

Data output with **DNC system** prepared in a controller compatible manner

▶ to Post Processor



## DataMatrix Code

Safe, quick and guaranteed error-free data transfer to your CNC machine

▶ to DataMatrix Code

# Reamer Expert

»reamCheck« allows the  $\mu\text{m}$ -accurate and fully automatic measuring of all variants of tools and also specifically those that cannot be measured with image processing because of their cutting geometry.

In addition, reamers can also be tactile preset and measured, for example.

