

# VÖLKEĻ

THREADING SOLUTIONS ■ ■ ■





**VÖLKE GmbH**

Morsbachtalstraße 20  
D-42855 Remscheid

Telefon +49 2191 490112  
Telefax +49 2191 490125

E-Mail: [info@voelkel.com](mailto:info@voelkel.com)  
Internet: [www.voelkel.com](http://www.voelkel.com)

**Präzisions-Gewindelehrdorne  
Precision Thread Plug Gauges**

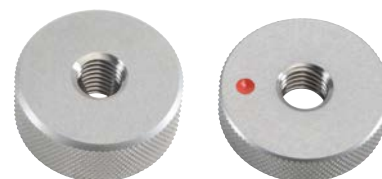


5 - 10



**Präzisions-Gewindelehrringe  
Precision Thread Ring Gauges**

11 - 16



**Präzisions-Gewindelehren Sätze  
Precision Thread Gauge Sets**

17



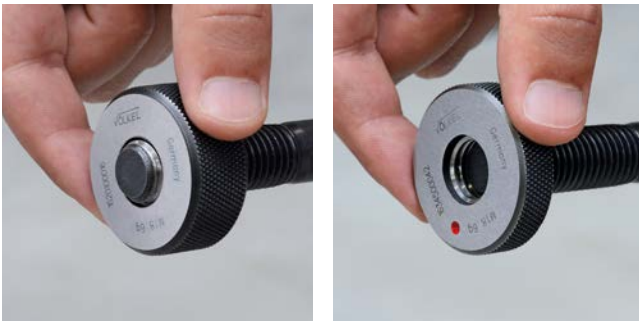
**Kalibrierservice für Gewindelehren  
Calibration Service for Thread Gauges**

18

## Maßhaltigkeiten einfach sicher prüfen

Ganz gleich welche Produktionsmethode verwendet worden ist, nach der Erstellung eines Gewindes ist die Überprüfung der Maßhaltigkeit ein sehr wichtiges Kriterium für die Qualität des Ergebnisses. Die Oberfläche des gefertigten Gewindes lässt sich noch relativ einfach rein visuell überprüfen. Ob ein Gewinde jedoch innerhalb des zulässigen Toleranzfeldes gefertigt wurde, ist entweder nur mit sehr speziellem Gewinde-Messequipment zu prüfen oder - um die Dinge einfach zu halten - man benutzt VÖLKEL Präzisions-Gewindelehren.

- Einfach in der Handhabung
- Hohe Genauigkeit
- Keine speziellen Kenntnisse erforderlich
- Kein spezielles Messequipment notwendig
- Schnelle Prüfung



Prüfung mit Präzisions-Gewindelehrring  
Checking with Precision Thread Ring Gauge

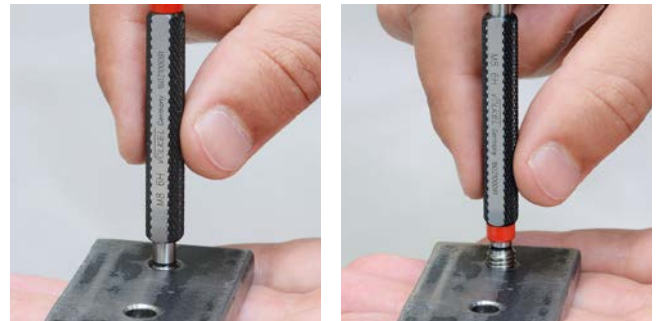
VÖLKEL Präzisions-Gewindelehren sind gemäß der für die jeweilige Gewindeart zu Grunde liegenden Norm innerhalb der angegebenen Gewinde-Toleranzklasse gefertigt. Für die Fertigungsüberwachung sowie für die Kalibrierung werden moderne taktile Gewindeprofilscanner eingesetzt. So ist eine gleichbleibend hohe Qualität bei allen VÖLKEL Präzisions-Gewindelehren sichergestellt.



## Dimensional accuracy check quick and easy

No matter which production method has been used, checking the dimensional accuracy of the finished thread is a very important criteria for the outcome quality. The surface of a produced thread can be visually inspected quite easy. However, checking the designated tolerance range of the produced thread usually requires very specific measuring equipment or, to keep things simple, VÖLKEL Precision Thread Gauges.

- Simple to use
- High accuracy
- No need for special skills
- No special measuring equipment necessary
- Fast testing



Prüfung mit Präzisions-Gewindelehrring  
Checking with Precision Thread Plug Gauge

VÖLKEL Precision Thread Gauges are produced according to the norm of the correlating thread type, in accordance to their designated tolerance grade. For production monitoring and for the gauge calibration modern tactile thread scanners are used. This ensures a constantly high level of quality of all VÖLKEL Precision Thread Gauges.



## Präzisions-Gewindelehndorn

metrisches ISO-Gewinde DIN 13

Lehrenmaße nach DIN ISO 1502

## Precision Thread Plug Gauge

metric ISO-thread DIN 13

Gauge Dimensions according to DIN ISO 1502



# M

| Nennmaß<br>Diameter<br>D | Steigung<br>Pitch<br>P | Grenzlehndorn<br>Plug Gauge<br>Tol. 6H |        | Gutlehndorn<br>GO Plug Gauge<br>Tol. 6H |       | Ausschusslehndorn<br>NO GO Plug Gauge<br>Tol. 6H |       | Grenzlehndorn DLC<br>Plug Gauge DLC<br>Tol. 6H |        |
|--------------------------|------------------------|--|--------|---|-------|--|-------|--|--------|
|                          |                        | Art.-No.                               | €      | Art.-No.                                | €     | Art.-No.   | €     | Art.-No.                                       | €      |
| M 1                      | x 0,25                 | 16000                                  | 70,00  |   |       |  |       |  |        |
| M 1,4                    | x 0,3                  | 16003                                  | 70,00  |   |       |  |       |  |        |
| M 1,6                    | x 0,35                 | 16004                                  | 70,00  |   |       |  |       |  |        |
| M 2                      | x 0,4                  | 16007                                  | 50,00  |   |       |  |       |  |        |
| M 2,5                    | x 0,45                 | 16010                                  | 50,00  |   |       |  |       |  |        |
| M 3                      | x 0,5                  | 16012                                  | 47,50  |   |       |  |       | 16474  | 82,00  |
| M 3,5                    | x 0,6                  | 16013                                  | 44,00  |   |       |  |       |  |        |
| M 4                      | x 0,7                  | 16014                                  | 42,00  |   |       |  |       | 16475  | 78,00  |
| M 5                      | x 0,8                  | 16016                                  | 41,50  |   |       |  |       | 16476  | 75,00  |
| M 6                      | x 1,0                  | 16019                                  | 41,50  |   |       |  |       | 16477  | 74,00  |
| M 7                      | x 1,0                  | 16020                                  | 41,50  |   |       |  |       |  |        |
| M 8                      | x 1,25                 | 16021                                  | 41,00  |   |       |  |       | 16478  | 78,00  |
| M 9                      | x 1,25                 | 16022                                  | 44,00  |   |       |  |       |  |        |
| M 10                     | x 1,5                  | 16023                                  | 44,00  |   |       |  |       | 16479  | 85,00  |
| M 11                     | x 1,5                  | 16024                                  | 47,00  |   |       |  |       |  |        |
| M 12                     | x 1,75                 | 16025                                  | 47,00  |   |       |  |       | 16480  | 94,00  |
| M 14                     | x 2,0                  | 16027                                  | 50,00  |   |       |  |       | 16481  | 103,00 |
| M 16                     | x 2,0                  | 16028                                  | 54,00  |   |       |  |       | 16482  | 110,00 |
| M 18                     | x 2,5                  | 16029                                  | 60,00  |   |       |  |       |  |        |
| M 20                     | x 2,5                  | 16030                                  | 65,00  |   |       |  |       | 16483  | 130,00 |
| M 22                     | x 2,5                  | 16031                                  | 70,00  |   |       |  |       |  |        |
| M 24                     | x 3,0                  | 16032                                  | 75,00  |   |       |  |       | 16484  | 165,00 |
| M 27                     | x 3,0                  | 16033                                  | 82,00  |   |       |  |       |  |        |
| M 30                     | x 3,5                  | 16034                                  | 90,00  |   |       |  |       |  |        |
| M 33                     | x 3,5                  | 16035                                  | 95,00  |   |       |  |       |  |        |
| M 36                     | x 4,0                  | 16036                                  | 103,00 |   |       |  |       |  |        |
| M 39                     | x 4,0                  |  |        | 16142                                   | 78,00 | 16164  | 78,00 |  |        |
| M 42                     | x 4,5                  |  |        | 16143                                   | 78,00 | 16165  | 78,00 |  |        |
| M 45                     | x 4,5                  |  |        | 16144                                   | 84,00 | 16166  | 84,00 |  |        |
| M 48                     | x 5,0                  |  |        | 16145                                   | 87,00 | 16167  | 87,00 |  |        |

**DLC-Beschichtung:** Gutseite beschichtet, dadurch wesentlich höhere Standzeit  
**DLC-coating:** GO gauge coated, thereby evidently longer tool life

## Präzisions-Gewindelehndorn

metrisches ISO-Feingewinde DIN 13

Lehrenmaße nach DIN ISO 1502

## Precision Thread Plug Gauge

metric-fine ISO-thread DIN 13

Gauge Dimensions according to DIN ISO 1502



**Mf**

| Nennmaß<br>Diameter<br>D | Steigung<br>Pitch<br>P | Grenzlehndorn<br>Plug Gauge<br><b>Tol. 6H</b><br>Art.-No. | €     | Gutlehndorn<br>GO Plug Gauge<br><b>Tol. 6H</b><br>Art.-No. | Ausschusslehndorn<br>NO GO Plug Gauge<br><b>Tol. 6H</b><br>Art.-No. |
|--------------------------|------------------------|---|-------|--|---|
| M 2                      | x 0,35                 | 16037   | 50,00 |  |   |
| M 2,5                    | x 0,35                 | 16038   | 50,00 |  |   |
| M 3                      | x 0,35                 | 16039   | 50,00 |  |   |
| M 3,5                    | x 0,35                 | 16040   | 50,00 |  |   |
| M 4                      | x 0,35                 | 16041   | 50,00 |  |   |
| M 4                      | x 0,5                  | 16042   | 43,00 |  |   |
| M 5                      | x 0,35                 | 16043   | 43,00 |  |   |
| M 5                      | x 0,5                  | 16044   | 43,00 |  |   |
| M 6                      | x 0,35                 | 16045   | 43,00 |  |   |
| M 6                      | x 0,5                  | 16046   | 43,00 |  |   |
| M 6                      | x 0,75                 | 16047   | 43,00 |  |   |
| M 8                      | x 0,5                  | 16048   | 48,00 |  |   |
| M 8                      | x 0,75                 | 16049   | 48,00 |  |   |
| M 8                      | x 1,0                  | 16050   | 48,00 |  |   |
| M 10                     | x 0,75                 | 16051   | 50,00 |  |   |
| M 10                     | x 1,0                  | 16052   | 50,00 |  |   |
| M 10                     | x 1,25                 | 16053   | 50,00 |  |   |
| M 12                     | x 0,5                  | 16056   | 51,00 |  |   |
| M 12                     | x 0,75                 | 16054   | 51,00 |  |   |
| M 12                     | x 1,0                  | 16055   | 51,00 |  |   |
| M 12                     | x 1,25                 | 16057   | 51,00 |  |   |
| M 12                     | x 1,5                  | 16058   | 51,00 |  |   |
| M 14                     | x 1,0                  | 16059   | 54,00 |  |   |
| M 14                     | x 1,25                 | 16060   | 54,00 |  |   |
| M 14                     | x 1,5                  | 16061   | 54,00 |  |   |
| M 16                     | x 1,0                  | 16062   | 56,00 |  |   |
| M 16                     | x 1,5                  | 16063   | 56,00 |  |   |
| M 18                     | x 1,0                  | 16064   | 60,00 |  |   |
| M 18                     | x 1,5                  | 16065   | 60,00 |  |   |
| M 18                     | x 2,0                  | 16066   | 60,00 |  |   |
| M 20                     | x 1,0                  | 16067   | 65,00 |  |   |
| M 20                     | x 1,5                  | 16068   | 65,00 |  |   |
| M 20                     | x 2,0                  | 16069   | 65,00 |  |   |
| M 22                     | x 1,0                  | 16070   | 70,00 |  |   |
| M 22                     | x 1,5                  | 16071   | 70,00 |  |   |
| M 22                     | x 2,0                  | 16072   | 70,00 |  |   |
| M 24                     | x 1,0                  | 16073   | 75,00 |  |   |
| M 24                     | x 1,5                  | 16074   | 75,00 |  |   |
| M 24                     | x 2,0                  | 16075   | 75,00 |  |   |
| M 25                     | x 1,0                  | 16076   | 77,00 |  |   |
| M 25                     | x 1,5                  | 16077   | 77,00 |  |   |
| M 25                     | x 2,0                  | 16078   | 77,00 |  |   |
| M 26                     | x 1,5                  | 16079   | 80,00 |  |   |
| M 27                     | x 1,0                  | 16080   | 82,00 |  |   |
| M 27                     | x 1,5                  | 16081   | 82,00 |  |   |

## Präzisions-Gewindelehrdorn

metrisches ISO-Feingewinde DIN 13

Lehrenmaße nach DIN ISO 1502

## Precision Thread Plug Gauge

metric-fine ISO-thread DIN 13

Gauge Dimensions according to DIN ISO 1502



# Mf

| Nennmaß<br>Diameter<br>D | Steigung<br>Pitch<br>P | Grenzlehndorn<br>Plug Gauge<br>Tol. 6H |        | Gutlehndorn<br>GO Plug Gauge<br>Tol. 6H |        | Ausschusslehndorn<br>NO GO Plug Gauge<br>Tol. 6H |        |
|--------------------------|------------------------|--|--------|---|--------|--|--------|
|                          |                        | Art.-No.                               | €      | Art.-No.                                | €      | Art.-No.   | €      |
| M 27                     | x 2,0                  | 16082                                  | 82,00  |   |        |  |        |
| M 28                     | x 1,5                  | 16083                                  | 84,00  |   |        |  |        |
| M 30                     | x 1,0                  | 16084                                  | 90,00  |   |        |  |        |
| M 30                     | x 1,5                  | 16085                                  | 90,00  |   |        |  |        |
| M 30                     | x 2,0                  | 16086                                  | 90,00  |   |        |  |        |
| M 30                     | x 3,0                  | 16087                                  | 90,00  |   |        |  |        |
| M 32                     | x 1,5                  | 16088                                  | 93,00  |   |        |  |        |
| M 33                     | x 1,5                  | 16089                                  | 95,00  |   |        |  |        |
| M 33                     | x 2,0                  | 16090                                  | 95,00  |   |        |  |        |
| M 33                     | x 3,0                  | 16091                                  | 95,00  |   |        |  |        |
| M 34                     | x 1,5                  | 16092                                  | 95,00  |   |        |  |        |
| M 34                     | x 2,0                  | 16093                                  | 95,00  |   |        |  |        |
| M 34                     | x 3,0                  | 16094                                  | 95,00  |   |        |  |        |
| M 35                     | x 1,5                  | 16095                                  | 101,00 |   |        |  |        |
| M 35                     | x 2,0                  | 16096                                  | 101,00 |   |        |  |        |
| M 35                     | x 3,0                  | 16097                                  | 101,00 |   |        |  |        |
| M 36                     | x 1,5                  | 16098                                  | 103,00 |   |        |  |        |
| M 36                     | x 2,0                  | 16099                                  | 103,00 |   |        |  |        |
| M 36                     | x 3,0                  | 16100                                  | 103,00 |   |        |  |        |
| M 38                     | x 1,5                  | 16101                                  | 112,00 |   |        |  |        |
| M 40                     | x 1,5                  | 16102                                  | 118,00 |   |        |  |        |
| M 40                     | x 2,0                  | 16103                                  | 118,00 |   |        |  |        |
| M 42                     | x 1,5                  |  |        | 16146                                   | 78,00  | 16168  | 78,00  |
| M 42                     | x 2,0                  |  |        | 16147                                   | 78,00  | 16169  | 78,00  |
| M 45                     | x 1,5                  |  |        | 16148                                   | 84,00  | 16170  | 84,00  |
| M 45                     | x 2,0                  |  |        | 16149                                   | 84,00  | 16171  | 84,00  |
| M 48                     | x 1,5                  |  |        | 16150                                   | 87,00  | 16172  | 87,00  |
| M 48                     | x 2,0                  |  |        | 16151                                   | 87,00  | 16173  | 87,00  |
| M 50                     | x 1,5                  |  |        | 16152                                   | 92,00  | 16174  | 92,00  |
| M 50                     | x 2,0                  |  |        | 16153                                   | 92,00  | 16175  | 92,00  |
| M 52                     | x 1,5                  |  |        | 16154                                   | 95,00  | 16176  | 95,00  |
| M 52                     | x 2,0                  |  |        | 16155                                   | 95,00  | 16177  | 95,00  |
| M 55                     | x 1,5                  |  |        | 16156                                   | 100,00 | 16178  | 100,00 |
| M 55                     | x 2,0                  |  |        | 16157                                   | 100,00 | 16179  | 100,00 |
| M 58                     | x 1,5                  |  |        | 16158                                   | 108,00 | 16180  | 108,00 |
| M 60                     | x 2,0                  |  |        | 16159                                   | 115,00 | 16181  | 115,00 |







## Präzisions-Gewindelehrdorn

Rohrgewinde DIN ISO 228

Lehrenmaße nach DIN EN ISO 228-2

## Precision Thread Plug Gauge

Pipe-thread DIN ISO 228

Gauge Dimensions according to DIN EN ISO 228-2



# G (BSP)

| Nennmaß<br>Diameter<br>D | Steigung<br>Pitch<br>P | Grenzlehndorn<br>Plug Gauge |       | Gutlehndorn<br>GO Plug Gauge |        | Ausschusslehndorn<br>NO GO Plug Gauge |        |
|--------------------------|------------------------|-----------------------------|-------|------------------------------|--------|---------------------------------------|--------|
|                          |                        | Art.-No.                    | €     | Art.-No.                     | €      | Art.-No.                              | €      |
| G 1/8                    | x 28                   | 16128                       | 50,00 |                              |        |                                       |        |
| G 1/4                    | x 19                   | 16129                       | 53,50 |                              |        |                                       |        |
| G 3/8                    | x 19                   | 16130                       | 55,50 |                              |        |                                       |        |
| G 1/2                    | x 14                   | 16131                       | 58,00 |                              |        |                                       |        |
| G 5/8                    | x 14                   | 16132                       | 58,00 |                              |        |                                       |        |
| G 3/4                    | x 14                   | 16133                       | 70,00 |                              |        |                                       |        |
| G 7/8                    | x 14                   | 16134                       | 70,00 |                              |        |                                       |        |
| G 1"                     | x 11                   | 16135                       | 82,50 |                              |        |                                       |        |
| G 1.1/4                  | x 11                   |                             |       | 16160                        | 80,00  | 16182                                 | 80,00  |
| G 1.1/2                  | x 11                   |                             |       | 16161                        | 90,00  | 16183                                 | 90,00  |
| G 1.3/4                  | x 11                   |                             |       | 16162                        | 112,00 | 16184                                 | 112,00 |
| G 2"                     | x 11                   |                             |       | 16163                        | 125,00 | 16185                                 | 125,00 |

**Präzisions-Gewindelehrdorn**

amerikanisches kegeliges Rohgewinde, Kegel 1:16  
 Lehrenmaße nach ANSI/ASME B 1.20.1

**Precision Thread Plug Gauge**

american tapered pipe thread, taper 1:16  
 Gauge Dimensions according to ANSI/ASME B 1.20.1



**NPT**

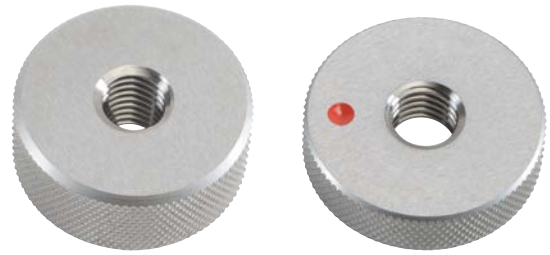
| Nennmaß<br>Diameter<br>D | Steigung<br>Pitch<br>P | Grenzlehrdorn<br>Plug Gauge<br>Art.-No. | €      |
|--------------------------|------------------------|---|--------|
| NPT 1/8                  | x 27                   | 16136                                   | 152,00 |
| NPT 1/4                  | x 18                   | 16137                                   | 162,00 |
| NPT 3/8                  | x 18                   | 16138                                   | 175,00 |
| NPT 1/2                  | x 14                   | 16139                                   | 190,00 |
| NPT 3/4                  | x 14                   | 16140                                   | 210,00 |
| NPT 1"                   | x 11,5                 | 16141                                   | 250,00 |

## Präzisions-Gewindelehrring

metrisches ISO-Gewinde DIN 13  
Lehrenmaße nach DIN ISO 1502

## Precision Thread Ring Gauge

metric ISO-thread DIN 13  
Gauge Dimensions according to DIN ISO 1502



# M

| Nennmaß<br>Diameter<br>D | Steigung<br>Pitch<br>P | Gut-Lehrring<br>GO Ring Gauge<br><b>Tol. 6g</b> |        | Ausschuss-Lehrring<br>NO GO Ring Gauge<br><b>Tol. 6g</b> |        |
|--------------------------|------------------------|---|--------|--|--------|
|                          |                        | Art.-No.  | €      | Art.-No.   | €      |
| M 2                      | x 0,4                  | 16186   | 50,00  | 16330  | 50,00  |
| M 2,5                    | x 0,45                 | 16187   | 50,00  | 16331  | 50,00  |
| M 3                      | x 0,5                  | 16188   | 44,00  | 16332  | 44,00  |
| M 3,5                    | x 0,6                  | 16189   | 46,00  | 16333  | 46,00  |
| M 4                      | x 0,7                  | 16190   | 40,00  | 16334  | 40,00  |
| M 5                      | x 0,8                  | 16191   | 40,00  | 16335  | 40,00  |
| M 6                      | x 1,0                  | 16192   | 40,00  | 16336  | 40,00  |
| M 7                      | x 1,0                  | 16193   | 42,00  | 16337  | 42,00  |
| M 8                      | x 1,25                 | 16194   | 42,00  | 16338  | 42,00  |
| M 9                      | x 1,25                 | 16195   | 50,00  | 16339  | 50,00  |
| M 10                     | x 1,5                  | 16196   | 50,00  | 16340  | 50,00  |
| M 11                     | x 1,5                  | 16197   | 50,00  | 16341  | 50,00  |
| M 12                     | x 1,75                 | 16198   | 54,00  | 16342  | 54,00  |
| M 14                     | x 2,0                  | 16199   | 59,00  | 16343  | 59,00  |
| M 16                     | x 2,0                  | 16200   | 59,00  | 16344  | 59,00  |
| M 18                     | x 2,5                  | 16201   | 71,50  | 16345  | 71,50  |
| M 20                     | x 2,5                  | 16202   | 71,50  | 16346  | 71,50  |
| M 22                     | x 2,5                  | 16203   | 78,00  | 16347  | 78,00  |
| M 24                     | x 3,0                  | 16204   | 79,00  | 16348  | 79,00  |
| M 27                     | x 3,0                  | 16205   | 97,50  | 16349  | 97,50  |
| M 30                     | x 3,5                  | 16206   | 97,50  | 16350  | 97,50  |
| M 33                     | x 3,5                  | 16207   | 104,00 | 16351  | 104,00 |
| M 36                     | x 4,0                  | 16208   | 104,00 | 16352  | 104,00 |
| M 39                     | x 4,0                  | 16209   | 143,00 | 16353  | 143,00 |
| M 42                     | x 4,5                  | 16210   | 143,00 | 16354  | 143,00 |
| M 45                     | x 4,5                  | 16211   | 156,00 | 16355  | 156,00 |
| M 48                     | x 5,0                  | 16212   | 162,50 | 16356  | 162,50 |

## Präzisions-Gewindelehrring

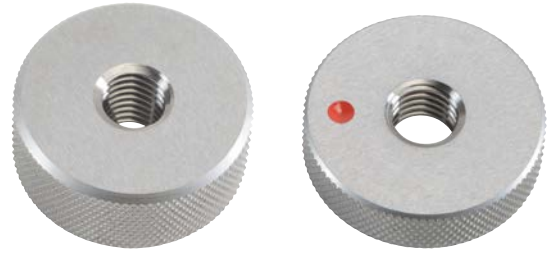
metrisches ISO-Feingewinde DIN 13

Lehrenmaße nach DIN ISO 1502

## Precision Thread Ring Gauge

metric-fine ISO-thread DIN 13

Gauge Dimensions according to DIN ISO 1502



**Mf**

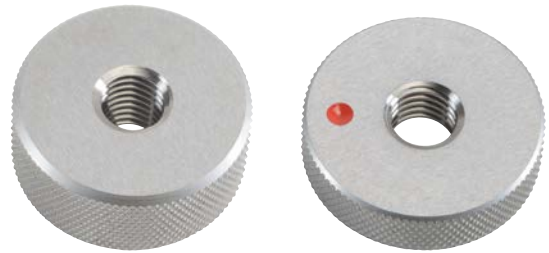
| Nennmaß<br>Diameter<br>D | Steigung<br>Pitch<br>P | Gut-Lehrring<br>GO Ring Gauge |       | Ausschuss-Lehrring<br>NO GO Ring Gauge |       |
|--------------------------|------------------------|-------------------------------|-------|--|-------|
|                          |                        | Tol. 6g<br>Art.-No.           | €     | Tol. 6g<br>Art.-No.                    | €     |
| M 2                      | x 0,35                 | 16213                         | 52,50 | 16357                                  | 52,50 |
| M 2,5                    | x 0,35                 | 16214                         | 50,00 | 16358                                  | 50,00 |
| M 3                      | x 0,35                 | 16215                         | 50,00 | 16359                                  | 50,00 |
| M 3,5                    | x 0,35                 | 16216                         | 50,00 | 16360                                  | 50,00 |
| M 4                      | x 0,35                 | 16217                         | 50,00 | 16361                                  | 50,00 |
| M 4                      | x 0,5                  | 16218                         | 50,00 | 16362                                  | 50,00 |
| M 5                      | x 0,35                 | 16219                         | 50,00 | 16363                                  | 50,00 |
| M 5                      | x 0,5                  | 16220                         | 50,00 | 16364                                  | 50,00 |
| M 6                      | x 0,35                 | 16221                         | 50,00 | 16365                                  | 50,00 |
| M 6                      | x 0,5                  | 16222                         | 50,00 | 16366                                  | 50,00 |
| M 6                      | x 0,75                 | 16223                         | 50,00 | 16367                                  | 50,00 |
| M 8                      | x 0,5                  | 16224                         | 50,00 | 16368                                  | 50,00 |
| M 8                      | x 0,75                 | 16225                         | 50,00 | 16369                                  | 50,00 |
| M 8                      | x 1,0                  | 16226                         | 50,00 | 16370                                  | 50,00 |
| M 10                     | x 0,75                 | 16227                         | 50,00 | 16371                                  | 50,00 |
| M 10                     | x 1,0                  | 16228                         | 50,00 | 16372                                  | 50,00 |
| M 10                     | x 1,25                 | 16229                         | 50,00 | 16373                                  | 50,00 |
| M 12                     | x 0,5                  | 16232                         | 50,00 | 16376                                  | 50,00 |
| M 12                     | x 0,75                 | 16230                         | 50,00 | 16374                                  | 50,00 |
| M 12                     | x 1,0                  | 16231                         | 50,00 | 16375                                  | 50,00 |
| M 12                     | x 1,25                 | 16233                         | 50,00 | 16377                                  | 50,00 |
| M 12                     | x 1,5                  | 16234                         | 50,00 | 16378                                  | 50,00 |
| M 14                     | x 1,0                  | 16235                         | 55,00 | 16379                                  | 55,00 |
| M 14                     | x 1,25                 | 16236                         | 55,00 | 16380                                  | 55,00 |
| M 14                     | x 1,5                  | 16237                         | 55,00 | 16381                                  | 55,00 |
| M 16                     | x 1,0                  | 16238                         | 56,50 | 16382                                  | 56,50 |
| M 16                     | x 1,5                  | 16239                         | 56,50 | 16383                                  | 56,50 |
| M 18                     | x 1,0                  | 16240                         | 58,50 | 16384                                  | 58,50 |
| M 18                     | x 1,5                  | 16241                         | 58,50 | 16385                                  | 58,50 |
| M 18                     | x 2,0                  | 16242                         | 58,50 | 16386                                  | 58,50 |
| M 20                     | x 1,0                  | 16243                         | 61,00 | 16387                                  | 61,00 |
| M 20                     | x 1,5                  | 16244                         | 61,00 | 16388                                  | 61,00 |
| M 20                     | x 2,0                  | 16245                         | 61,00 | 16389                                  | 61,00 |
| M 22                     | x 1,0                  | 16246                         | 72,50 | 16390                                  | 72,50 |
| M 22                     | x 1,5                  | 16247                         | 72,50 | 16391                                  | 72,50 |
| M 22                     | x 2,0                  | 16248                         | 72,50 | 16392                                  | 72,50 |
| M 24                     | x 1,0                  | 16249                         | 73,50 | 16393                                  | 73,50 |
| M 24                     | x 1,5                  | 16250                         | 73,50 | 16394                                  | 73,50 |
| M 24                     | x 2,0                  | 16251                         | 73,50 | 16395                                  | 73,50 |
| M 25                     | x 1,0                  | 16252                         | 76,50 | 16396                                  | 76,50 |
| M 25                     | x 1,5                  | 16253                         | 76,50 | 16397                                  | 76,50 |
| M 25                     | x 2,0                  | 16254                         | 76,50 | 16398                                  | 76,50 |
| M 26                     | x 1,5                  | 16255                         | 78,00 | 16399                                  | 78,00 |
| M 27                     | x 1,0                  | 16256                         | 80,50 | 16400                                  | 80,50 |
| M 27                     | x 1,5                  | 16257                         | 80,50 | 16401                                  | 80,50 |

## Präzisions-Gewindelehrring

metrisches ISO-Feingewinde DIN 13  
Lehrenmaße nach DIN ISO 1502

## Precision Thread Ring Gauge

metric-fine ISO-thread DIN 13  
Gauge Dimensions according to DIN ISO 1502



# Mf

| Nennmaß<br>Diameter<br>D | Steigung<br>Pitch<br>P | Gut-Lehrring<br>GO Ring Gauge<br><b>Tol. 6g</b> |        | Ausschuss-Lehrring<br>NO GO Ring Gauge<br><b>Tol. 6g</b> |        |
|--------------------------|------------------------|---|--------|--|--------|
|                          |                        | Art.-No.  | €      | Art.-No.   | €      |
| M 27                     | x 2,0                  | 16258   | 80,50  | 16402  | 80,50  |
| M 28                     | x 1,5                  | 16259   | 80,50  | 16403  | 80,50  |
| M 30                     | x 1,0                  | 16260   | 84,50  | 16404  | 84,50  |
| M 30                     | x 1,5                  | 16261   | 84,50  | 16405  | 84,50  |
| M 30                     | x 2,0                  | 16262   | 84,50  | 16406  | 84,50  |
| M 30                     | x 3,0                  | 16263   | 84,50  | 16407  | 84,50  |
| M 32                     | x 1,5                  | 16264   | 86,00  | 16408  | 86,00  |
| M 33                     | x 1,5                  | 16265   | 99,00  | 16409  | 99,00  |
| M 33                     | x 2,0                  | 16266   | 99,00  | 16410  | 99,00  |
| M 33                     | x 3,0                  | 16267   | 99,00  | 16411  | 99,00  |
| M 34                     | x 1,5                  | 16268   | 106,00 | 16412  | 106,00 |
| M 34                     | x 2,0                  | 16269   | 106,00 | 16413  | 106,00 |
| M 34                     | x 3,0                  | 16270   | 106,00 | 16414  | 106,00 |
| M 35                     | x 1,5                  | 16271   | 106,00 | 16415  | 106,00 |
| M 35                     | x 2,0                  | 16272   | 106,00 | 16416  | 106,00 |
| M 35                     | x 3,0                  | 16273   | 106,00 | 16417  | 106,00 |
| M 36                     | x 1,5                  | 16274   | 110,00 | 16418  | 110,00 |
| M 36                     | x 2,0                  | 16275   | 110,00 | 16419  | 110,00 |
| M 36                     | x 3,0                  | 16276   | 110,00 | 16420  | 110,00 |
| M 38                     | x 1,5                  | 16277   | 110,00 | 16421  | 110,00 |
| M 40                     | x 1,5                  | 16278   | 115,00 | 16422  | 115,00 |
| M 40                     | x 2,0                  | 16279   | 115,00 | 16423  | 115,00 |
| M 42                     | x 1,5                  | 16280   | 117,00 | 16424  | 117,00 |
| M 42                     | x 2,0                  | 16281   | 117,00 | 16425  | 117,00 |
| M 45                     | x 1,5                  | 16282   | 120,00 | 16426  | 120,00 |
| M 45                     | x 2,0                  | 16283   | 120,00 | 16427  | 120,00 |
| M 48                     | x 1,5                  | 16284   | 125,00 | 16428  | 125,00 |
| M 48                     | x 2,0                  | 16285   | 125,00 | 16429  | 125,00 |
| M 50                     | x 1,5                  | 16286   | 140,00 | 16430  | 140,00 |
| M 50                     | x 2,0                  | 16287   | 140,00 | 16431  | 140,00 |
| M 52                     | x 1,5                  | 16288   | 150,00 | 16432  | 150,00 |
| M 52                     | x 2,0                  | 16289   | 150,00 | 16433  | 150,00 |
| M 55                     | x 1,5                  | 16290   | 155,00 | 16434  | 155,00 |
| M 55                     | x 2,0                  | 16291   | 155,00 | 16435  | 155,00 |
| M 58                     | x 1,5                  | 16292   | 165,00 | 16436  | 165,00 |
| M 60                     | x 2,0                  | 16293   | 180,00 | 16437  | 180,00 |



**Präzisions-Gewindelehrring**

Rohrgewinde DIN ISO 228

Lehrenmaße nach DIN EN ISO 228-2

**Precision Thread Ring Gauge**

Pipe-thread DIN ISO 228

Gauge Dimensions according to DIN EN ISO 228-2



**G (BSP)**

| Nennmaß<br>Diameter<br>D | Steigung<br>Pitch<br>P | Gut-Lehrring<br>GO Ring Gauge<br><b>Tol. A</b> |        | Ausschuss-Lehrring<br>NO GO Ring Gauge<br><b>Tol. A</b> |        |
|--------------------------|------------------------|--|--------|---|--------|
|                          |                        | Art.-No.                                       | €      | Art.-No.  | €      |
| G 1/8                    | x 28                   | 16318  | 55,00  | 16462   | 55,00  |
| G 1/4                    | x 19                   | 16319  | 55,00  | 16463   | 55,00  |
| G 3/8                    | x 19                   | 16320  | 65,00  | 16464   | 65,00  |
| G 1/2                    | x 14                   | 16321  | 70,00  | 16465   | 70,00  |
| G 5/8                    | x 14                   | 16322  | 77,50  | 16466   | 77,50  |
| G 3/4                    | x 14                   | 16323  | 90,00  | 16467   | 90,00  |
| G 7/8                    | x 14                   | 16324  | 90,00  | 16468   | 90,00  |
| G 1"                     | x 11                   | 16325  | 91,00  | 16469   | 91,00  |
| G 1.1/4                  | x 11                   | 16326  | 132,50 | 16470   | 132,50 |
| G 1.1/2                  | x 11                   | 16327  | 136,00 | 16471   | 136,00 |
| G 1.3/4                  | x 11                   | 16328  | 150,00 | 16472   | 150,00 |
| G 2"                     | x 11                   | 16329  | 155,00 | 16473   | 155,00 |







## VÖLKEL Kalibrierservice für Gewindelehren auf IAC-Gewindescanner

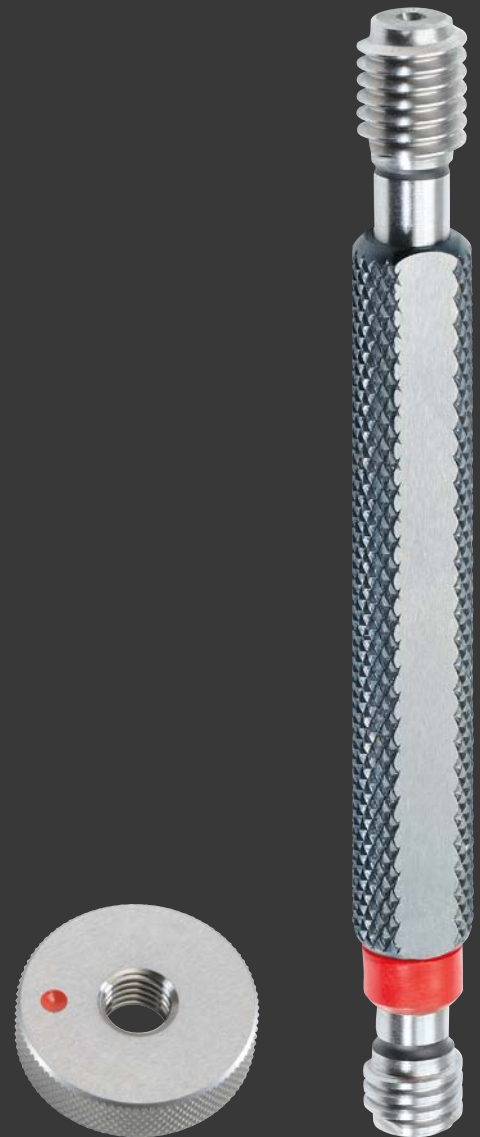
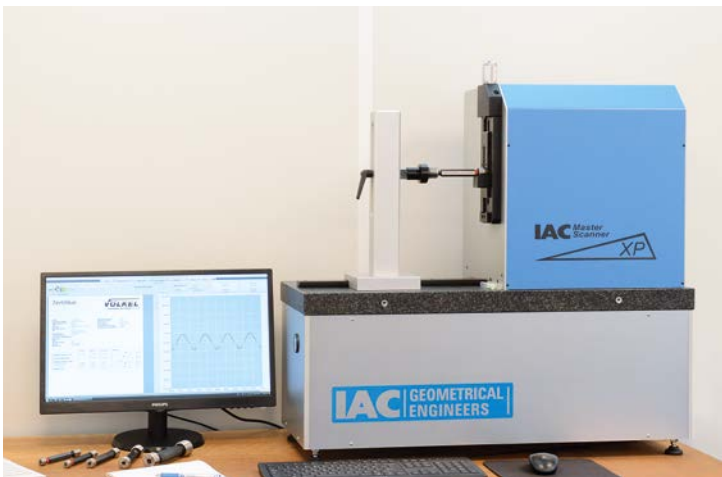
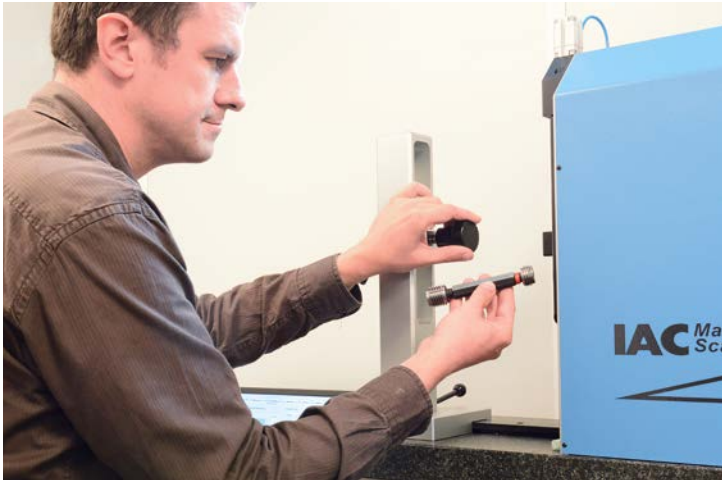
## VÖLKEL Calibration Service for Thread Gauges by IAC Thread Scanner

Als Hersteller erstellen wir Ihnen auf Wunsch einen Werkskalibrierschein. In unserem von unserer Fertigung unabhängigen Messlabor erfolgt die Kalibrierung nach den für den jeweiligen Prüfling festgelegten Vorgaben und Normen (DIN, ISO, ANSI). Die Kalibrierung erfolgt auf IAC-Gewindescannern.

As a manufacturer we issue on demand a calibration certificate. In our testing laboratory the inspection is carried out in accordance with the specific requirements and standards (DIN,ISO, ANSI) of each gauge to be tested. We use IAC Thread Scanner for our calibration service.

| VÖLKEL Werkskalibrierschein<br>VÖLKEL Calibration Certificates | zylindrische Gewinde<br>parallel thread<br>€ | kegelige Gewinde<br>taper threads<br>€ |
|--|--|--|
| Grenzlehndorn<br>Plug Gauge                                    | 12,00  | 20,00                                  |
| Gutlehdorn<br>GO Plug Gauge                                    | 10,00  | 18,00                                  |
| Ausschusslehndorn<br>NO GO Plug Gauge                          | 10,00  | 18,00                                  |
| Gutlehring<br>GO Ring Gauge                                    | 10,00  | 18,00                                  |
| Ausschusslehring<br>NO GO Ring Gauge                           | 10,00  | 18,00                                  |
| Zuschlag für gebrauchte Lehren<br>Surcharge for used gauges    | 5,00   | 5,00                                   |

Alle Preise netto per Stück. Kalibrierkosten sind nicht rabattfähig.  
All prices net per piece. Calibration prices are not discountable.





**VÖLKELE GmbH**

Morsbachtalstraße 20  
D-42855 Remscheid

Telefon +49 2191 490112  
Telefax +49 2191 490125

E-Mail: [info@voelkel.com](mailto:info@voelkel.com) Internet: [www.voelkel.com](http://www.voelkel.com)