TRIMOS

Exclusive Calibration System



Swiss Measuring Instruments

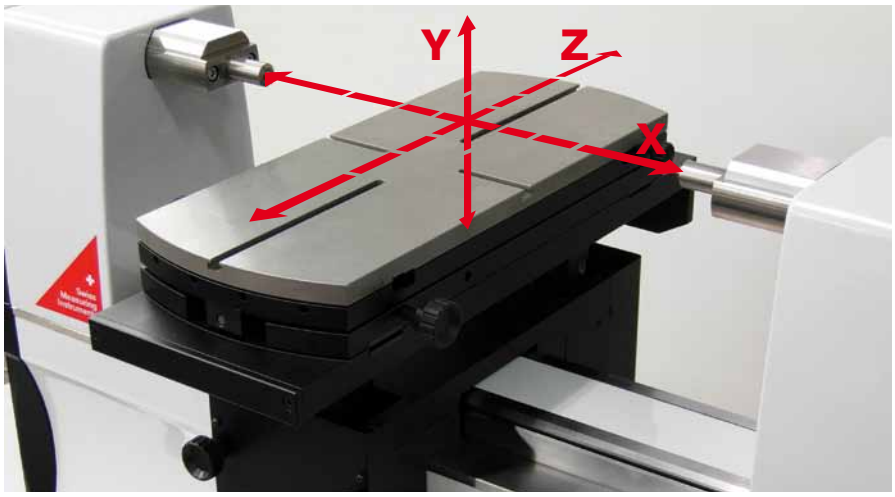
1.

NO COMPROMISE ON ACCURACY

The Labconcept Nano is a new reference in the field of dimensional metrology. It integrates almost 40 years of knowledge and continuous improvement. It is a remarkable instrument for all measuring tasks that requires extremely high accuracy.

The uncompromising design of the Labconcept Nano offers an ideal and performing platform for checking and calibration of all kinds of gauges and measuring instruments. Checking of internal and external dimensions will be done as a fully automatic procedure by the three motorized axis XYZ and the legendary simplicity of use of the Trimos® WinDHI software.

The Labconcept Nano is completely designed and manufactured in Switzerland according to the highest quality standards. Robustness reliability and longevity is our tradition.



- Unequalled high level of accuracy
- Exceptional repeatability
- Motorized measuring carriage, X axis, selection of speed by software
- Motorized universal measuring table, CNC Y and Z axis with integrated measuring system
- Measuring force (0-12N) and locking of measuring anvil performed by software
- Integrated temperature compensation system
- Absolute measuring range on all models 350 mm
- Application ranges of 350, 600 and 1100 mm
- Measuring of parts up to 60 kg in weight



A. Highly Legible Control unit

Measuring results are clearly displayed on the two screens. The exclusive Win DHI software including control indication of all movements and temperature compensation WinComp offers an understandable overview of the measuring conditions. If needed, the system can be completed with an integrated gauge management software.

B. Fast and Easy Measurements

The motorized measuring table provides quick results for both internal and external measurements.
The typical measurement time for a plain ring gauge is 40 s and 50 s for a threaded ring gauge, including automatic search of the reversal points.

C. Accurate and Reliable Results

The CNC controlled measuring carriage ensures a smooth measurement process with all accessories.
All functions, such as displacement speed, measuring force, probing movement and locking of the measuring carriage are controlled electronically. Therefore all kinds of user influence on measuring results will be entirely eliminated.

D. Ergonomic Workbench

The specially designed Workbench offers a compact and thoroughly thought out working place.
For difficult environmental conditions, it can be equipped with a vibration damping system.

A New Technological Dimension

The Labconcept Nano combines tradition, experience and a strong technological lead. It integrates the latest measuring and motorisation technologies and can be considered as the first "full digital" calibration instrument.

A regular PC controls all electronic components. This low-power solution avoids heating and keeps the energy, maintenance and repair costs at a reasonable level.
The linear bearings used in all guideways have proven their superiority over all other technologies in terms of precision, wear, rigidity, temperature stability, reliability, dust protection and maintenance. They ensure exceptional repeatability and precision through time.

Swiss
Measuring
Instruments

2.

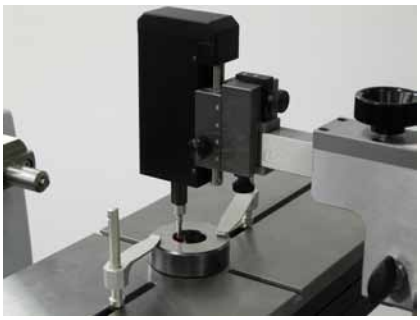
APPLICATION VERSATILITY

It is possible to check all kinds of gauges as plain ring gauges, plain plug gauges, pins, threaded ring and plug gauges, conical thread ring and plug gauges, gauge blocks, snap gauges, gauge bars etc.

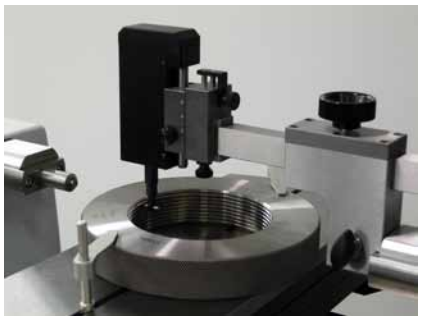
A large range of accessories is available as standard. Accessories to suit special application can be supplied.



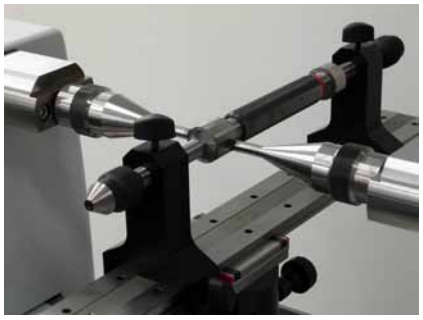
Checking of large plain ring gauges



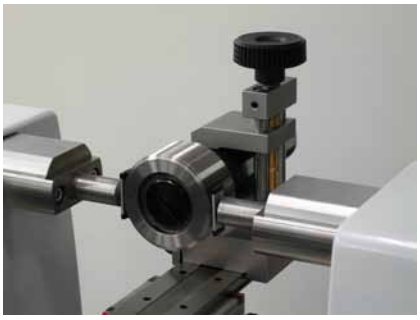
Checking of small plain ring gauges from Ø 2 mm as standard



Checking of thread ring gauges from M3 as standard



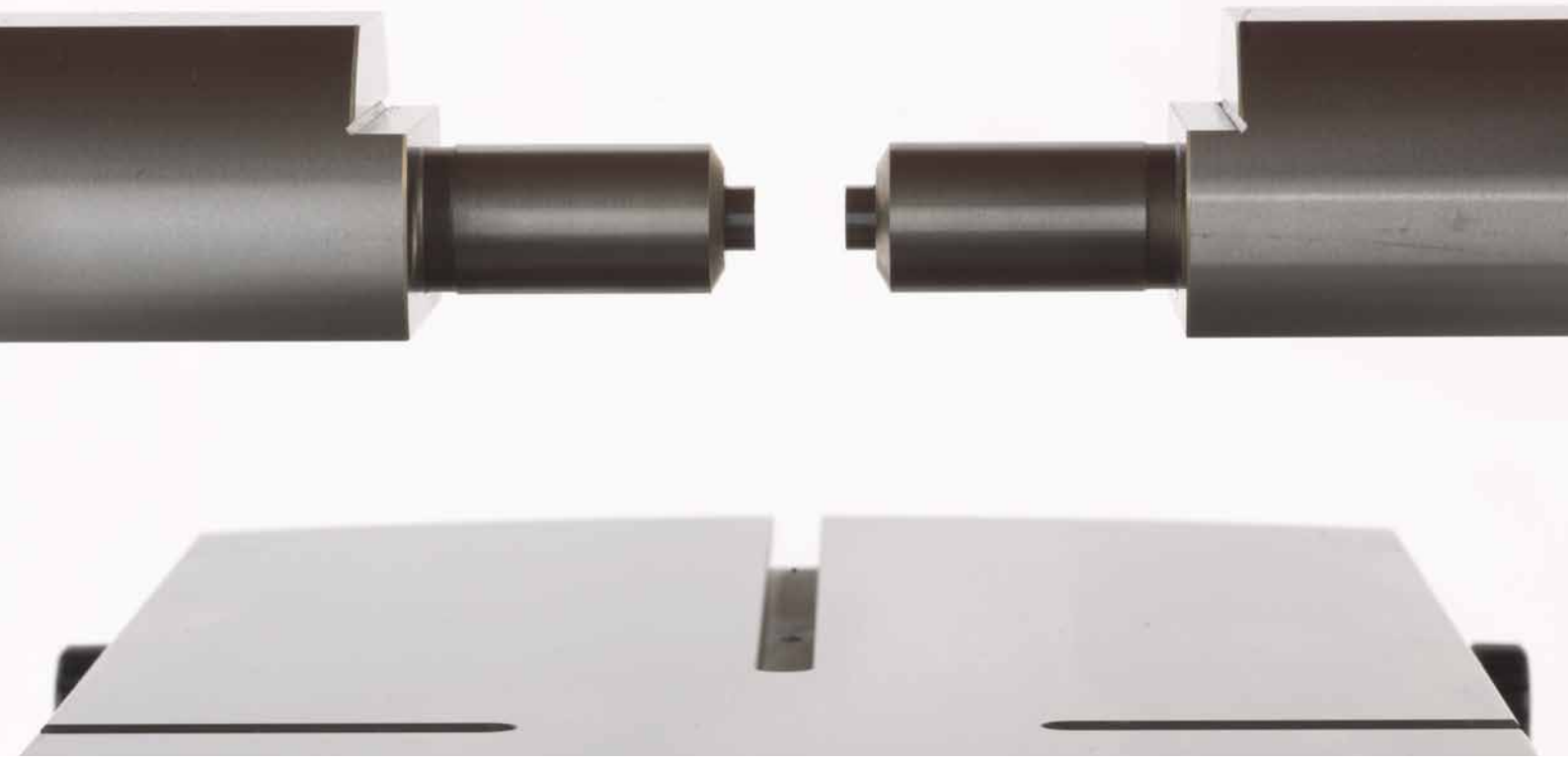
Checking of plain plug gauges

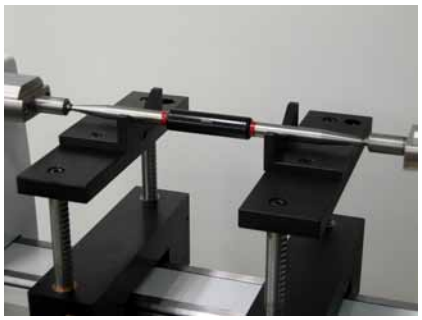


Checking of thread plug gauges

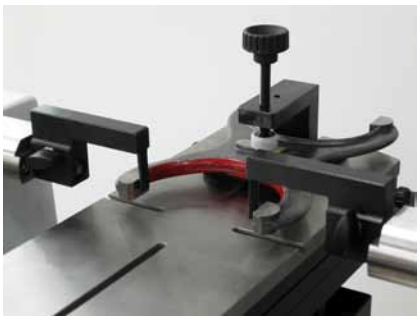


Checking of master gauge blocks





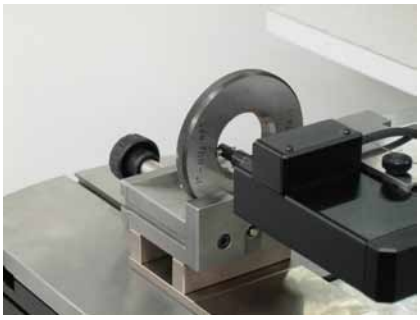
Checking of gauge bars



Checking of snap gauges



Checking of taper thread plug gauges



Checking of taper thread ring gauges

3.

QUICK AND EFFICIENT MEASUREMENTS



Temperature Compensation System Trimos® WinComp

The Labconcept Nano is equipped as standard with a temperature compensation system Trimos® WinComp allowing the acquisition and management of temperature data. It establishes a permanent connection with Win DHI, guaranteeing real-time compensation of measurements according to the evolution of temperature. The user is constantly informed of the reliability level. The system can be switched on and off at any time.

Test Equipment Management System QMSOFT

Trimos recommends the QMSOFT (Quality Management Software) software package from L&W. This powerful system allows the inspection and management of gauge data of all measuring tools available according to national, international and user's defined standards. The calibration sequences for standard measuring equipment with online data transfer from the instrument are realized by specially developed program modules for a perfect integration with WinDHI. Inspection certificates may be customized for individual presentation using a graphic editor.

Trimos® Win DHI Nano

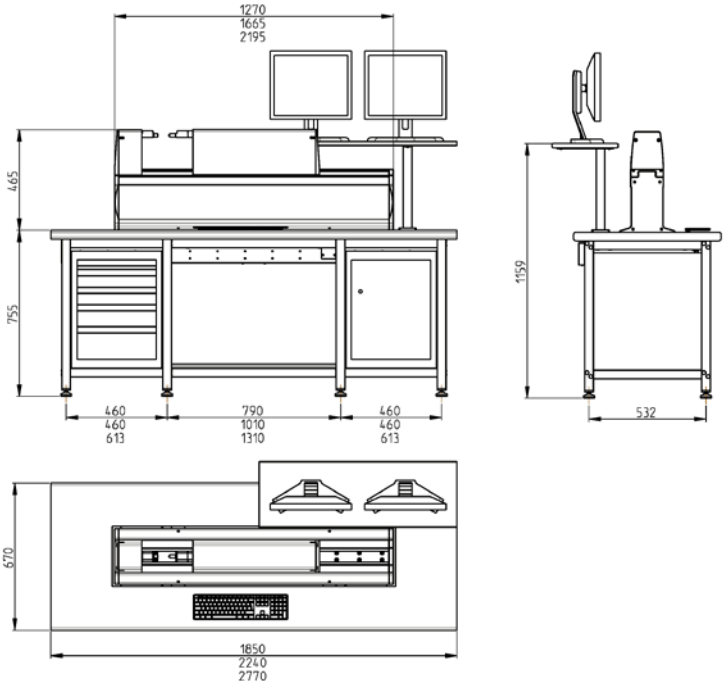
Trimos® Win DHI Nano is the exclusive measurement software of Trimos. It is part of the basic equipment of the Labconcept Nano and allows the performance of all measuring functions. It helps the user to perform all measurement tasks through a user-friendly interface.

The motorization of the measuring carriage (X) and both, the vertical (Z) and horizontal (Y) axis of the universal measuring table allow an exceptional performance in terms of measuring speed, ease of use and accuracy.

Positioning can be done easily using the mouse and the keyboard or via the touch screen (optional) or a joystick (optional). Once positioned, measurements are entirely CNC controlled, searching the reversal point included. Plug and ring gauges, threaded ring and plug gauges etc. can be measured automatically in a few seconds. No risk of damage to the sensitive probes while moving or measuring, even with tiny parts and inserts.

4.

TECHNICAL SPECIFICATIONS



● LABCONCEPT NANO

		350	600	1100
Absolute measuring range [1]	mm (in)	350 (13)	350 (13)	350 (13)
Application range	mm (in)	0 - 350 (13)	0 - 600 (23)	0 - 1100 (43)
Max. permissible errors [2]	µm	0.07+L(mm)/2000		
Max. resolution	mm (in)	0.000001 (0.0000001)		
Repeatability (2s) [2]	µm	0.03		
Measuring force (adjustable by software)	N	0 - 12		
Operational temperature	°C	+15° to 35° C		
Stocking temperature	°C	-10° to 50°C		
Relative humidity	%	20 .. 80		
Weight	kg	350	420	500

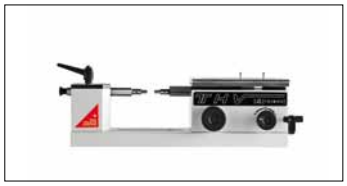
1) May vary according to accessory used.

2) Values valid at a temperature of 20 ± 0.2 °C and relative humidity of 50 ± 5%.

● MEASURING TABLE WITH MOTORIZED Y AND Z AXIS

Z axis, displacement range [3]	mm	80
Y axis, displacement range [3]	mm	50
X axis, floating movement	mm	± 10
Angle of rotation φ Y	°	± 1.5
Angle of inclination φ Z	°	± 4
Max. weight of parts	kg	60

3) Both axes have an integrated measuring system.









TRIMOS Calibration instruments

THV
Application Range : 100 mm
Absolute Measuring Range : 50 mm
Max. Permissible Errors : 0.2+L (mm) / 250

LABCONCEPT
Absolute Measuring Range : 500 – 2000mm.
Max. Permissible Errors : 0.3 + L (mm) / 1500.

LABCONCEPT PREMIUM
Absolute Measuring Range : 300 – 1000 mm
Max. Permissible Errors : 0.15 + L (mm) / 2000

LABCONCEPT NANO
Application Range : 350 – 1100 mm
Absolute Measuring Range :350 mm
Max. Permissible Errors : 0.07+L(mm)/2000

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750 02 0019 03 – Version 1.1/2018-04 – Changes without prior notice

TRIMOS

LABCONCEPT Nano



LABCONCEPT Nano

INTRODUCTION

No compromise on accuracy
The Labconcept Nano is a new reference in the field of dimensional metrology. It integrates 40 years of knowledge and continuous improvement. It is a remarkable instrument for all measuring tasks that require extremely high accuracy.

The uncompromising design of the Labconcept Nano offers an ideal and performing platform for checking and calibration of all kinds of gauges and measuring instruments. Checking of internal and external dimensions will be done as a fully automatic procedure by the three motorized axes XYZ and the legendary simplicity of use of Trimos WinDHI software.

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A New Technological Dimension
The Labconcept Nano combines tradition, experience and a strong technological lead. It integrates the latest measuring and motorisation technologies and can be considered as the first "full digital" calibration instrument. A regular PC controls all electronic components. This low-power solution avoids heating and keeps the energy, maintenance and repair costs at a reasonable level. The linear bearings used in all guideways have proven their superiority over all other technologies in terms of precision, wear, rigidity, temperature stability, reliability, dust protection and maintenance. They ensure exceptional repeatability and precision through time.

- UNEQUALLED HIGH LEVEL OF ACCURACY
- EXCEPTIONAL REPEATABILITY
- MOTORIZED MEASURING CARRIAGE, X AXIS, SELECTION OF SPEED BY SOFTWARE
- MOTORIZED UNIVERSAL MEASURING TABLE, CNC Y AND Z AXIS WITH INTEGRATED MEASURING SYSTEM
- MEASURING FORCE (0-12N) AND LOCKING OF MEASURING ANVIL PERFORMED BY SOFTWARE
- INTEGRATED TEMPERATURE COMPENSATION SYSTEM
- ABSOLUTE MEASURING RANGE ON ALL MODELS : 350 MM
- APPLICATION RANGES OF 350, 600 AND 1100 MM
- MEASURING OF PARTS UP TO 60 KG IN WEIGHT
- 2 SCREENS IN THE STANDARD PACKAGE
- CNC CONTROLLED MEASUREMENTS EVEN ON DIAMETERS AND THREADS

DESCRIPTION

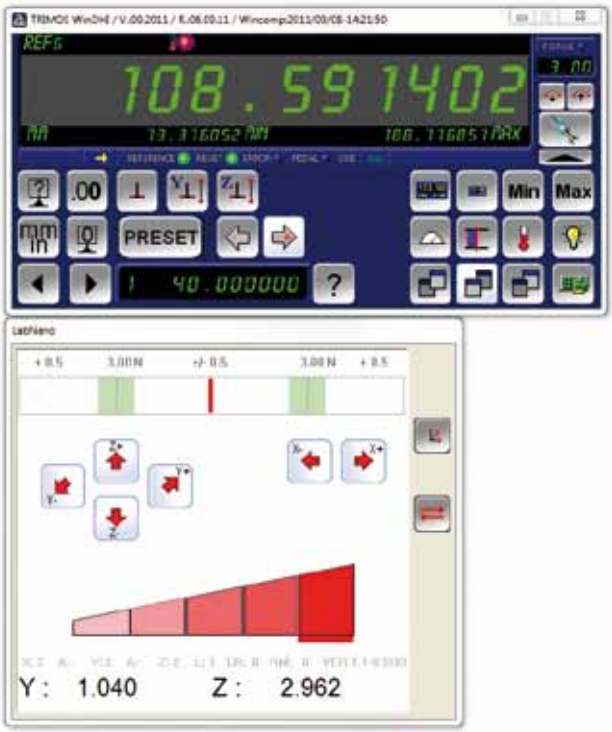


LABCONCEPT Nano

DISPLAY / SOFTWARE

TRIMOS WINDHI NANO

Trimos Win DHI Nano is the exclusive measurement software of Trimos. It is part of the basic equipment of the Labconcept Nano and allows the performance of all measuring functions. It helps the user to perform all measurement tasks through a user-friendly interface.



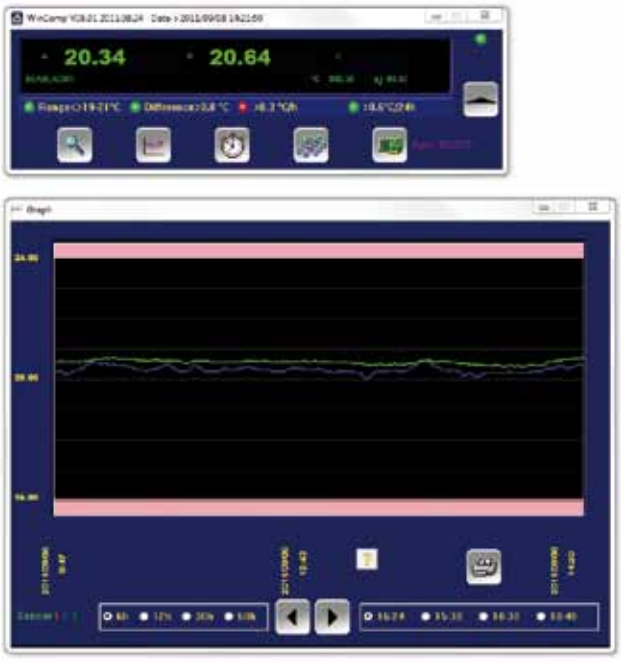
The motorization of the measuring carriage (X) and both vertical (Z) and horizontal (Y) axis of the universal measuring table allow an exceptional performance in terms of measuring speed, ease of use and accuracy.

Positioning can be done easily using the mouse and the keyboard or via the touch screen (optional) or a joystick (optional). Once positioned, measurements are entirely CNC controlled, including searching the reversal point. Plug and ring gauges, threaded ring and plug gauges etc. can be measured automatically in a few seconds. No risk of damage to the sensitive probes while moving or measuring, even with tiny parts and inserts.

- 100 % AUTOMATIC MEASUREMENTS
- MEASUREMENTS PERFORMED IN A FEW SECONDS
- USER FRIENDLY INTERFACE
- GRAPHIC HELP FOR MEASURING FUNCTIONS
- ELECTRONICALLY ADJUSTABLE MEASURING FORCE
- DATA TRANSFER USING A FOOT SWITCH
- DDE SERVER (FOR EXCEL, WORD, ETC.)

TRIMOS WINCOMP

The Labconcept Nano is equipped as standard with a temperature compensation system Trimos WinComp allowing the acquisition and management of temperature data.



- TRIMOS WINCOMP EXCLUSIVE SOFTWARE
- ACQUISITION AND MANAGEMENT OF TEMPERATURE DATA
- PERMANENT CONNECTION WITH WIN DHI
- REAL - TIME COMPENSATION OF THE MEASUREMENT
- TEMPERATURE EVOLUTION HISTORY OVER SEVERAL YEARS FOR A PERFECT TRACEABILITY
- GRAPHICAL DISPLAY OF TEMPERATURE EVOLUTION
- MATERIALS LIBRARY
- INDICATION OF THE MEASUREMENT RELIABILITY LEVEL

DISPLAY / SOFTWARE

QMSOFT

Trimos recommends the QMSOFT software package for inspection and management of all measuring tools available.

- INTEGRATED DRIVERS FOR TRIMOS INSTRUMENTS
- REQUIRED NOMINAL SIZES AND TOLERANCES AVAILABLE ACCORDING TO ALL STANDARDS
- CUSTOMIZED INSPECTION CERTIFICATES





TECHNICAL SPECIFICATIONS

Labconcept Nano		**350**	**600**	**1100**
Application range	mm (in)	350 (13.2)	600 (23.6)	1100 (43.3)
Absolute measuring range	mm (in)	350 (13.2)		
Max. permissible errors [1]	µm	0.07+L(mm) / 2000		
Repeatability (2s) [1]	µm	0.03		
Max. resolution	mm (in)	0.000001 (0.0000001)		
Measuring force (adjustable by software)	N	0 ÷ 12		
Operational temperature	°C	+15 ÷ +35		
Temperature of storage	°C	-10 ÷ +40		
Relative humidity	%	20 ÷ 80		
Weight	kg	350	420	500

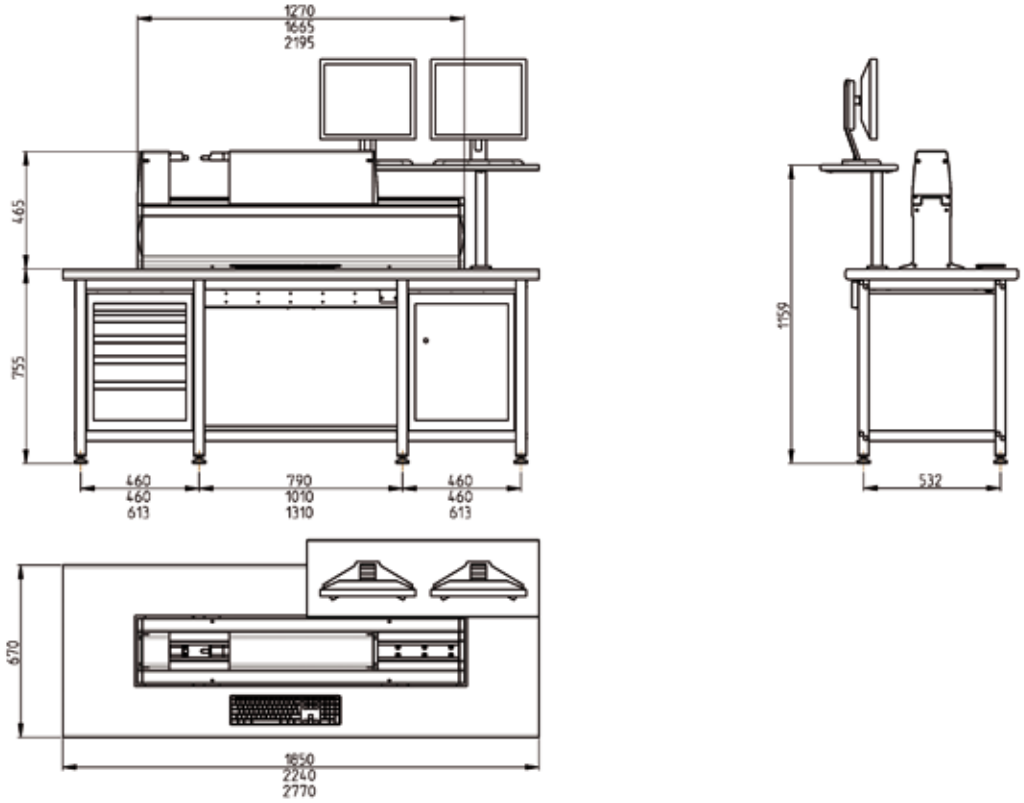
[1] Values valid at temperature of 20 ± 0.2 °C and relative humidity of 50 ± 5%.

Measuring table with motorized Y and Z axes		
Z axis, displacement range [2]	mm (in)	80 (3)
Y axis, displacement range [2]	mm (in)	50 (2)
X axis, floating movement	µm	± 10
Angle of inclination (Y)	°	± 1.5
Angle of rotation (Z)	°	± 4
Max. weight of parts	kg	60

[2] Both axes Y and Z have an integrated measuring system.

LABCONCEPT Nano

SCHEMA



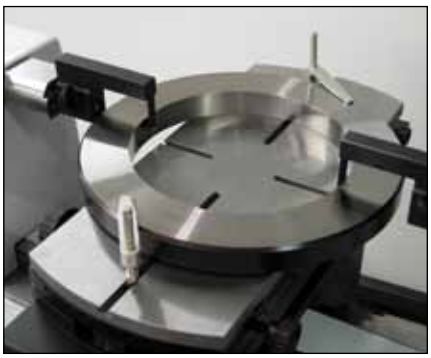
STANDARD INSTRUMENT

The Labconcept Nano are supplied as follows:
Instrument according to specifications with tungsten carbide surface anvils
Universal measuring table with motorized Y and Z axes (Nano-14)
PC with interface, 2 LCD TFT screens and 1 printer
Foot pedal for data transfer (TELMA31)
Specially designed workbench with 1 drawer cabinet and 1 door cabinet
Temperature compensation system (TEMPCOMP-B)
Lapping plate (TA-TO-302)
Protection cover (TEL.HO500 / 1000 / 1500)
Allen key set (TA-TO-004)
User's manual (750 50 0039 03)
Test certificate

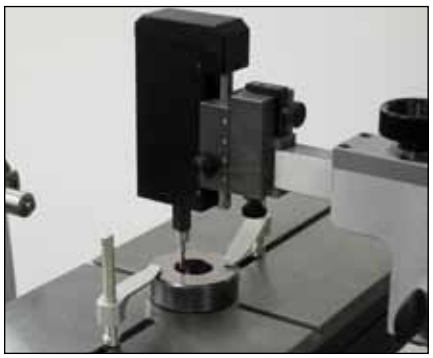
CODE NUMBERS

Labconcept Nano	Standard workbench	Anti-vibration workbench	
LABC-NANO 350 700 213 00 01	**TA-TO-306** 714 12 006	**TA-TO-310** 714 12 010	Measuring range 350 mm
LABC-NANO 600 700 213 10 01	**TA-TO-307** 714 12 007	**TA-TO-311** 714 12 011	Measuring range 600 mm
LABC-NANO 1100 700 213 20 01	**TA-TO-308** 714 12 008	**TA-TO-312** 714 12 012	Measuring range 1100 mm

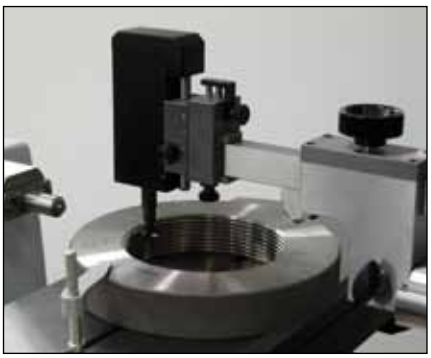
APPLICATIONS



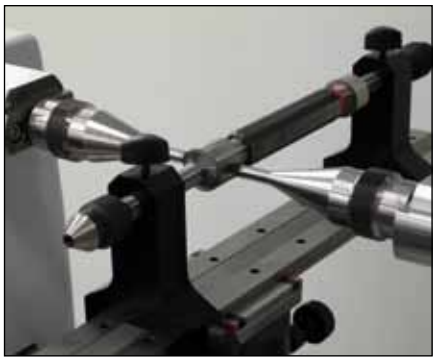
Calibration of plain ring gauges
(TEL16.1 / TA-SU-354)



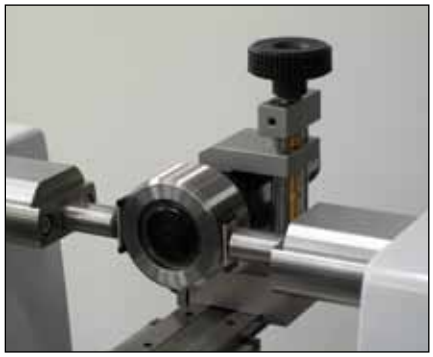
Calibration of small plain ring gauges
(TA-MS-370 / TEL76 / TA-SU-354)



Calibration of thread ring gauges
(TA-MS-370 / TEL75 / TA-SU-354)



Calibration of plug gauges
(TULM6 / L05 / TA-SU-315)



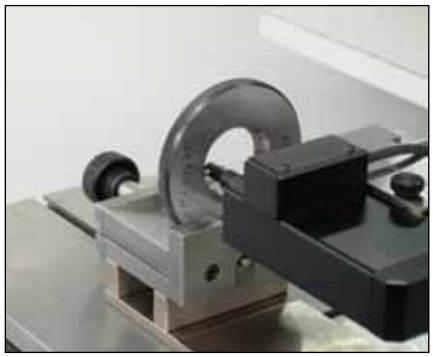
Calibration of thread plug gauges
(3P / 0.17-3.2 / S6.5 / TA-SU-315)



Comparative checking of gauge blocks
> 250 mm (TA-SU-307 / TEL7 / TELMA7)



Calibration of gauge bars
(TELMA7 / TELMN7.2)



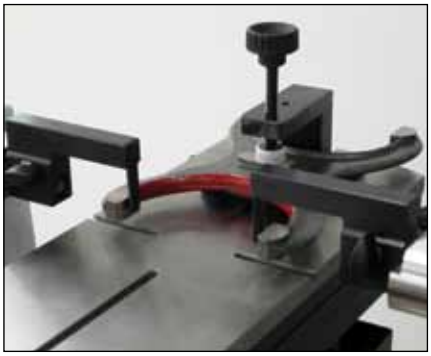
Checking of taper thread ring gauges
(TA-MS-381 / TEL75)



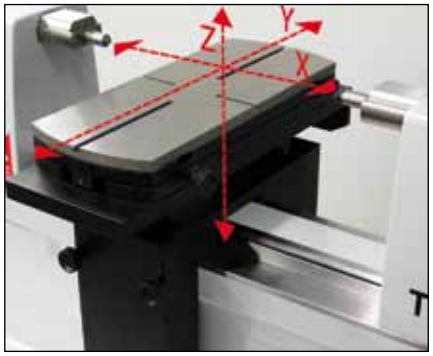
Checking of taper thread plug gauges
(TA-MS-381 / TEL75)

LABCONCEPT Nano

APPLICATIONS



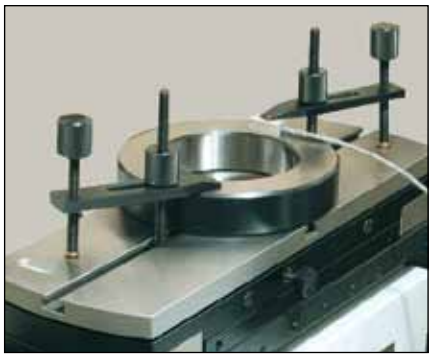
Calibration of snap gauges (TEL16.1 / TEL14N)



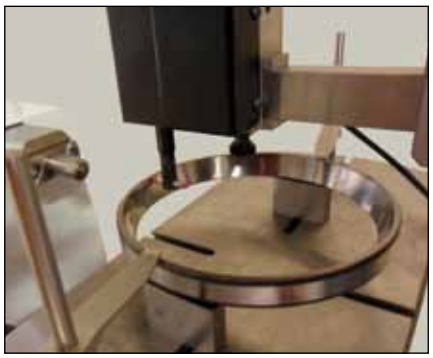
CNC-controlled measurement with automatic reversal point search.



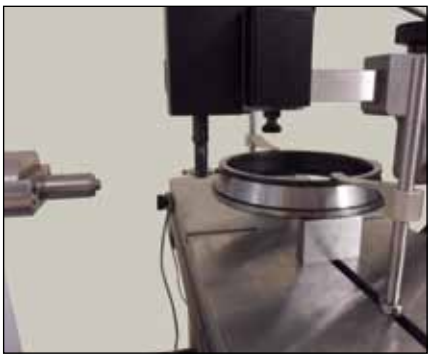
Anti-vibration table (optional)



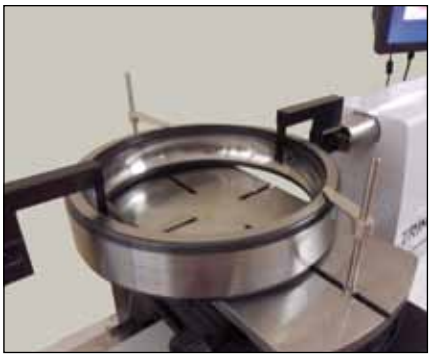
Integrated temperature compensation system TempComp



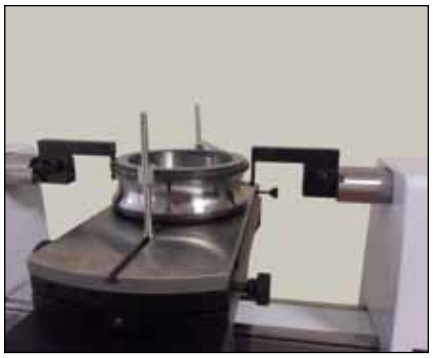
CNC controlled internal taper ring measurement



CNC controlled external taper ring measurement



CNC controlled internal measurement of a bearing ring



CNC controlled external measurement of a bearing ring



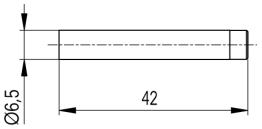
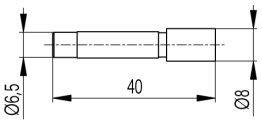
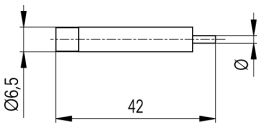
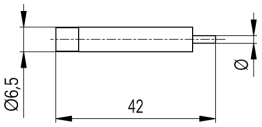
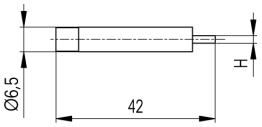
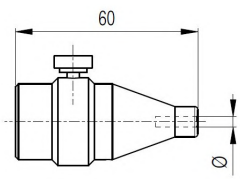
Calibration of a specific gauge

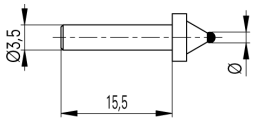
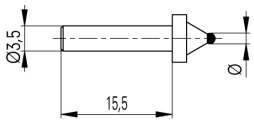
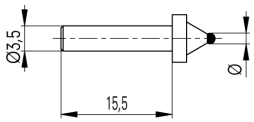
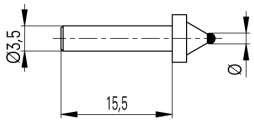
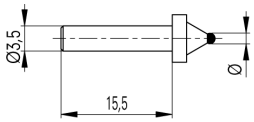
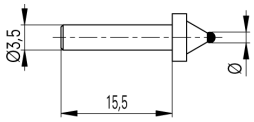
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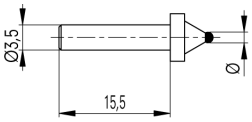
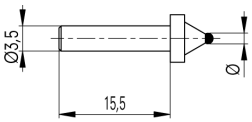
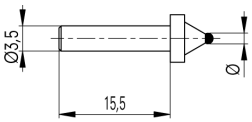
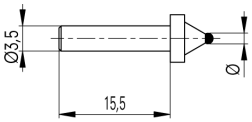
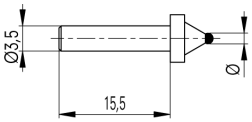
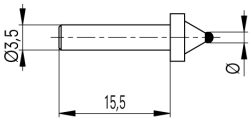
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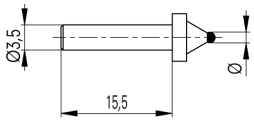
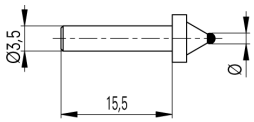
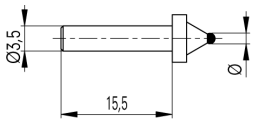
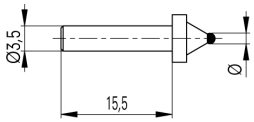
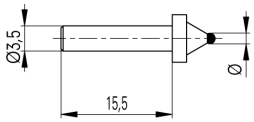
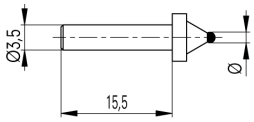
THV
HC3 / HC4 / HC5
LABC Nano

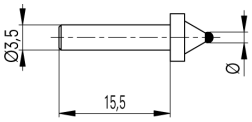
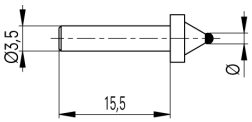
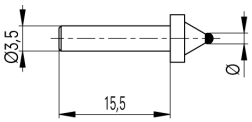
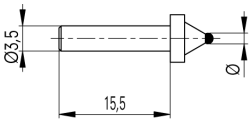
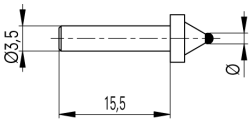
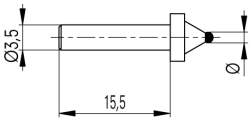
Swiss Measuring Instruments

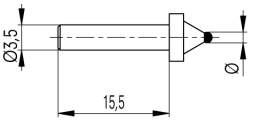
			THV	HC3/HC4	HC5	LABCN
	TELS50 609 05 044	Paire de touches de mesure Ø6.5 mm Paar Messeinsätze Ø6.5 mm Pair of measuring anvils Ø6.5 mm	■			
	TELS52 609 05 047	Paire de touches de mesure Ø8 mm Paar Messeinsätze Ø8 mm Pair of measuring anvils Ø8 mm	■	■	■	
	TELS53 609 05 048	Paire de touches de mesure Ø2 mm Paar Messeinsätze Ø2 mm Pair of measuring anvils Ø2 mm	■	■	■	
	TELS53/D1 SP609 05 048 01	Paire de touches de mesure Ø1 mm Paar Messeinsätze Ø1 mm Pair of measuring anvils Ø1 mm	■	■	■	
	TELS50-L05 SP609 05 044 01	Paire de touches à couteau, H=0.5 mm Paar schneideförmige Messeinsätze, H=0.5 mm Pair of a knife-shaped anvils, H=0.5 mm	■			
	TEL15 609 05 098	Paire de supports pour touches Ø3.5 mm Paar Halter für Messeinsätze Ø3.5 mm Pair of holders for measuring inserts Ø3.5 mm		■	■	■

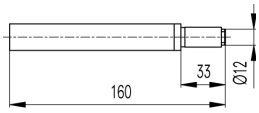
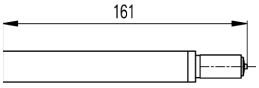
			THV	HC3/HC4	HC5	LABCN
	TA-MI-301 279 901008 001	Touche à bille Ø1.00 mm Kugel-Messeinsatz Ø1.00 mm Ball probe Ø1.00 mm	■	■	■	
	TA-MI-302 279 901008 002	Touche à bille Ø1.250 mm Messeinsatz Ø1.25 mm Ball probe Ø1.25 mm	■	■	■	
	TA-MI-303 279 901008 003	Touche à bille Ø1.50 mm Messeinsatz Ø1.50 mm Ball probe Ø1.50 mm	■	■	■	
	TA-MI-304 279 901008 004	Touche à bille Ø1.75 mm Messeinsatz Ø1.75 mm Ball probe Ø1.75 mm	■	■	■	
	TA-MI-305 279 901008 005	Touche à bille Ø2.00 mm Messeinsatz Ø2.00 mm Ball probe Ø2.00 mm	■	■	■	
	TA-MI-306 279 901008 006	Touche à bille Ø2.032 mm Messeinsatz Ø2.032 mm Ball probe Ø2.032 mm	■	■	■	

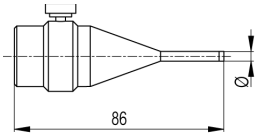
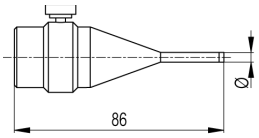
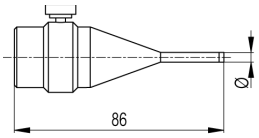
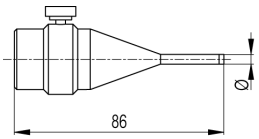
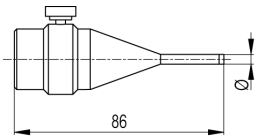
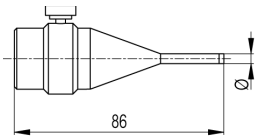
			THV	HC3/HC4	HC5	LABCN
	TA-MI-307 279 901008 007	Touche à bille Ø2.20 mm Messeinsatz Ø2.20 mm Ball probe Ø2.20 mm	■	■	■	
	TA-MI-308 279 901008 008	Touche à bille Ø2.25 mm Messeinsatz Ø2.25 mm Ball probe Ø2.25 mm	■	■	■	
	TA-MI-309 279 901008 009	Touche à bille Ø2.50 mm Messeinsatz Ø2.50 mm Ball probe Ø2.50 mm	■	■	■	
	TA-MI-310 279 901008 010	Touche à bille Ø2.75 mm Messeinsatz Ø2.75 mm Ball probe Ø2.75 mm	■	■	■	
	TA-MI-311 279 901008 011	Touche à bille Ø3.00 mm Messeinsatz Ø3.00 mm Ball probe Ø3.00 mm	■	■	■	
	TA-MI-312 279 901008 012	Touche à bille Ø3.20 mm Messeinsatz Ø3.20 mm Ball probe Ø3.20 mm	■	■	■	

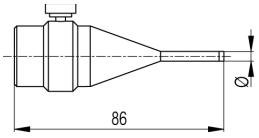
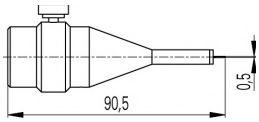
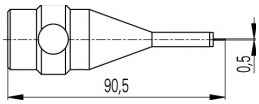
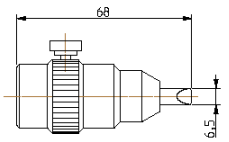
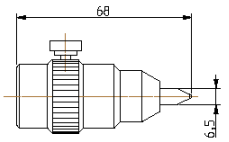
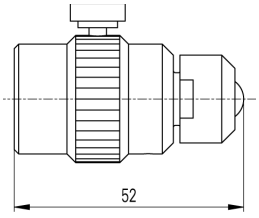
			THV	HC3/HC4	HC5	LABCN
	TA-MI-313 279 901008 013	Touche à bille Ø3.25 mm Messeinsatz Ø3.25 mm Ball probe Ø3.25 mm	■	■	■	
	TA-MI-314 279 901008 014	Touche à bille Ø3.50 mm Messeinsatz Ø3.50 mm Ball probe Ø3.50 mm	■	■	■	
	TA-MI-315 279 901008 015	Touche à bille Ø3.70 mm Messeinsatz Ø3.70 mm Ball probe Ø3.70 mm	■	■	■	
	TA-MI-316 279 901008 016	Touche à bille Ø4.00 mm Messeinsatz Ø4.00 mm Ball probe Ø4.00 mm	■	■	■	
	TA-MI-317 279 901008 017	Touche à bille Ø4.50 mm Messeinsatz Ø4.50 mm Ball probe Ø4.50 mm	■	■	■	
	TA-MI-318 279 901008 018	Touche à bille Ø5.00 mm Messeinsatz Ø5.00 mm Ball probe Ø5.00 mm	■	■	■	

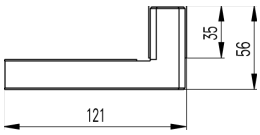
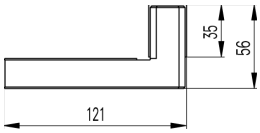
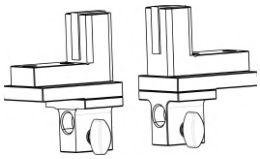
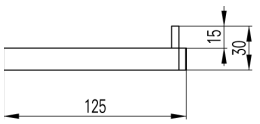
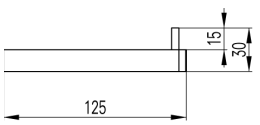
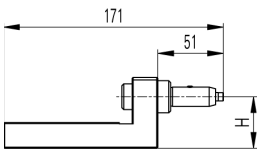
			THV	HC3/HC4	HC5	LABCN
	TA-MI-319 279 901008 019	Touche à bille Ø5.50 mm Messeinsatz Ø5.50 mm Ball probe Ø5.50 mm	■	■	■	
	TA-MI-320 279 901008 020	Touche à bille Ø6.00 mm Messeinsatz Ø6.00 mm Ball probe Ø6.00 mm	■	■	■	
	TA-MI-321 279 901008 021	Touche à bille Ø6.50 mm Messeinsatz Ø6.50 mm Ball probe Ø6.50 mm	■	■	■	
	TA-MI-322 279 901008 022	Touche à bille Ø7.00 mm Messeinsatz Ø7.00 mm Ball probe Ø7.00 mm	■	■	■	
	TA-MI-323 279 901008 023	Touche à bille Ø8.00 mm Messeinsatz Ø8.00 mm Ball probe Ø8.00 mm	■	■	■	
	TA-MI-324 279 901008 024	Touche à bille Ø9.00 mm Messeinsatz Ø9.00 mm Ball probe Ø9.00 mm	■	■	■	

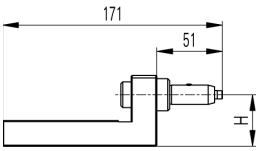
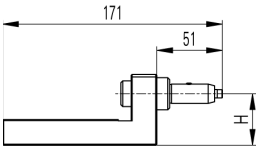
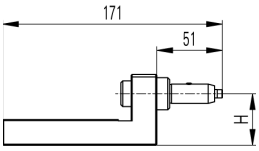
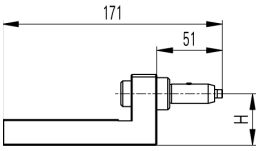
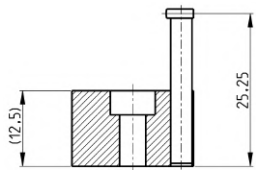
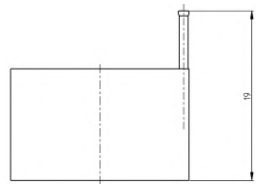
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	TA-MI-325 279 901008 025	Touche à bille Ø10.00 mm Messeinsatz Ø10.00 mm Ball probe Ø10.00 mm	■	■	■	
	TA-IH-302 612 11 076	Paire de Touches réglable Ø6 Paar Tasteraufsätze verstellbar Ø6 Pair of adjustable probes Ø6		■	■	■
	TA-MI-3801 609 05 127	Paire de touches plate dia 8 mm MD pour dia 6 mm Flachschlüsselpaar Ø 8 mm MD für Ø 6 mm Pair of flat anvils dia 8 mm HM for dia 6 mm		■	■	■
	TA-MI-3802 609 05 128	Paire de touches plate dia 2 mm MD pour dia 6 mm Flachschlüsselpaar Ø 2 mm MD für Ø 6 mm Pair of flat anvils dia 2 mm HM for dia 6 mm		■	■	■
	TA-MI-3803 609 05 129	Paire de touches couteaux 2x1 mm MD pour dia 6 mm Paar Messerschlüssel 2x1 mm MD für Ø 6 mm Pair of knife anvils 2x1 mm MD for dia 6 mm		■	■	■
	TA-MI-3804 609 05 130	Paire de touches couteaux 8x1.5 mm MD pour dia 6 mm Paar Messerschlüssel 8x1.5 mm MD für Ø 6 mm Pair of knife anvils 8x1.5 mm MD for dia 6 mm		■	■	■

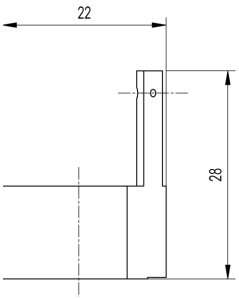
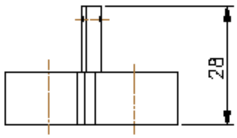
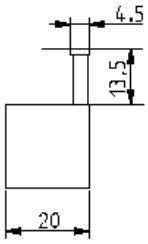
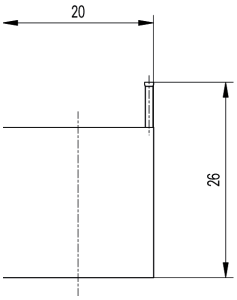
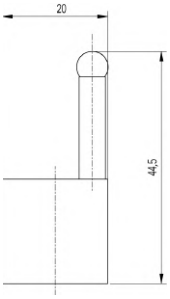
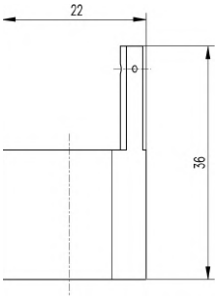
			THV	HC3/HC4	HC5	LA BCN
	TA-MI-3805 609 05 131	Paire de touches R22.5 mm MD pour dia 6 mm Schlüsselpaar R22,5 mm MD für Ø 6 mm Pair of anvils R22.5 mm MD for dia 6 mm		■	■	■
	TA-MI-3806 609 05 132	Paire de touches plates dia 8 mm céramique pour dia 6 mm Paar Flachschlüssel Ø 8 mm aus Keramik für Ø 6 mm Pair of flat anvils dia 8 mm ceramic for dia 6 mm		■	■	■
	TA-MI-3807 609 05 133	Paire de touches couteaux 8x1.5 mm céramique pour dia 6 mm Paar Keramikmesser 8x1,5 mm für Ø 6 mm Pair of ceramic anvils knives 8x1.5 mm for 6 mm dia.		■	■	■
	TA-MI-3808 609 05 134	Paire de touches R22.5mm céramique pour dia 6 mm Paar R22.5mm Keramikschlüssel für Ø 6 mm Pair of R22.5mm ceramic anvils for 6 mm dia		■	■	■
	HPA-1 609 05 017	Paire de touches standard Paar Standard Messaufsätze Pair of standard anvils		■	■	
	TA-MI-350 609 05 105	Paire de touches avec rayon 15 mm pour cales-étalons Paar Messaufsätze Radius 15 mm für Endmasse Pair of anvils with radius 15 mm for gauge block		■	■	

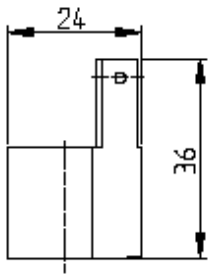
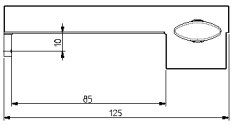
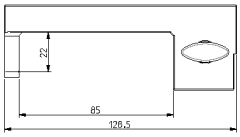
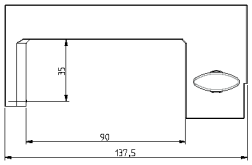
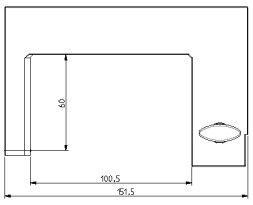
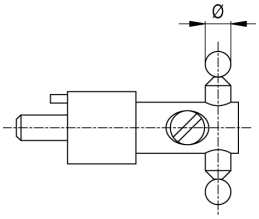
			THV	HC3/HC4	HC5	LABCN
	TEL6 609 05 041	Paire de touches Ø6.50 mm Paar Tasteraufsätze Ø6.50 mm Pair of anvils Ø6.50 mm		■	■	■
	TEL6/4 609 05 077	Paire de touches Ø4 mm Paar Tasteraufsätze Ø4 mm Pair of anvils Ø4 mm		■	■	■
	TEL6/6 609 05 078	Paire de touches Ø6 mm Paar Tasteraufsätze Ø6 mm Pair of anvils Ø6 mm		■	■	■
	TEL6/6.35 609 05 079	Paire de touches Ø6.35 mm Paar Tasteraufsätze Ø6.35 mm Pair of anvils Ø6.35 mm		■	■	■
	TEL6/6.8 609 05 080	Paire de touches Ø6.8 mm Paar Tasteraufsätze Ø6.8 mm Pair of anvils Ø6.8 mm		■	■	■
	TEL6/8 609 05 081	Paire de touches Ø8 mm Paar Tasteraufsätze Ø8 mm Pair of anvils Ø8 mm		■	■	■

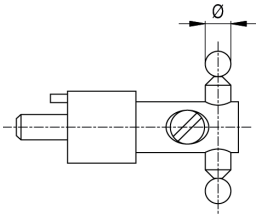
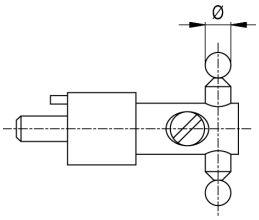
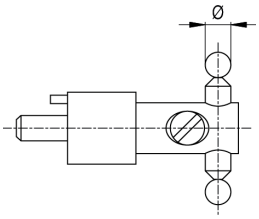
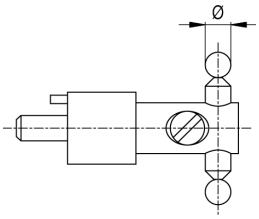
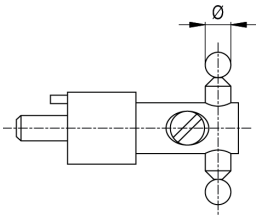
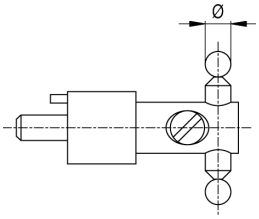
			THV	HC3/HC4	HC5	LABCN
	TEL6/10 609 05 082	Paire de touches Ø10 mm Paar Tasteraufsätze Ø10 mm Pair of anvils Ø10 mm		■	■	■
	TULM6/L05H 609 05 016	Paire de touches à couteau 0.5 mm, pour mesure de gorge, (couteaux en position horizontale) Paar schneideförmige Tasteraufsätze 0.5 mm, für Nutmessung, (Schneiden in horizontaler Position) Pair of a knife-shaped anvils 0.5 mm, for groove measurement, (knifes in horizontal position)		■	■	■
	TULM6/L05V 609 05 124	Paire de touches à couteau 0.5 mm, pour mesure de gorge, (couteaux en position verticale) Paar schneideförmige Tasteraufsätze 0.5 mm, für Nutmessung, (Schneiden in vertikaler Position) Pair of a knife-shaped anvils 0.5 mm, for groove measurement, (knifes in vertical position)		■	■	■
	TA-MI-361 609 05 119	Paire de touches à couteau 1 mm, pour mesure de diamètre externe, (couteaux en position verticale) Paar schneideförmige Tasteraufsätze 1 mm, für Aussendurchmesser-Messung, (Schneiden in vertikaler Position) Pair of a knife-shaped anvils 1 mm, for external diameter measurement, (knifes in vertical position)		■	■	■
	TA-MI-362 609 05 120	Paire de touches à couteau 1 mm, pour mesure de diamètre externe, (couteaux en position horizontale) Paar schneideförmige Tasteraufsätze 1 mm, für Aussendurchmesser-Messung, (Schneiden in horizontaler Position) Pair of a knife-shaped anvils 1 mm, for external diameter measurement, (knifes in horizontal position)		■	■	■
	TEL7 609 05 013	Paire de touches à bille Ø10 mm Paar Tasteraufsätze mit Kugel Ø10 mm Pair of anvils with ball Ø10 mm		■	■	■

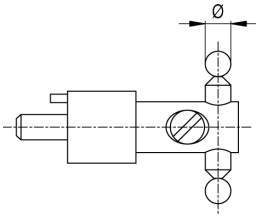
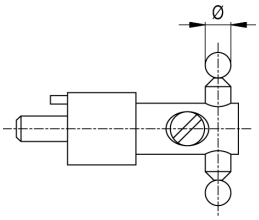
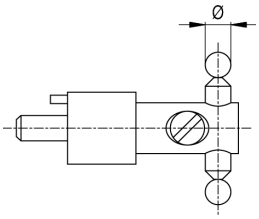
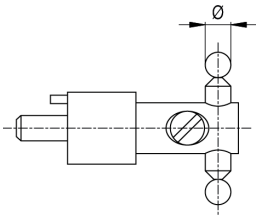
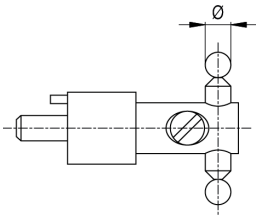
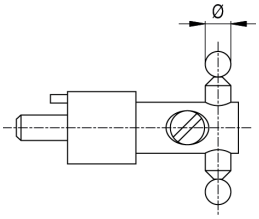
			THV	HC3/HC4	HC5	LABCN
	TEL5 709 05 101	Paire de butées parallèles 25 mm Paar Parallel-Aufsätze 25 mm Pair of parallel attachments 25 mm		■	■	
	609 05 102	Paire de butées parallèles 1" Paar Parallel-Aufsätze 1" Pair of parallel attachments 1"		■	■	
	TA-MI-360 609 05 114	Paire de butées parallèles 25mm, pour LABC-Nano Paar Parallel-Aufsätze 25mm, für LABC-Nano Pair of parallel attachments 25mm, for LABC-Nano				■
	TEL5.10 612 12 002	Butées avec cale-étalon 5 mm, pour mesures ext. dès 20 mm Paar Parallel-Aufsätze 5 mm, Aussenmessung ab 20 mm Pair of parallel attachments 5 mm, for ext. measurement from 20 mm		■	■	
	TEL5.10E 612 12 007	Butées avec cale-étalon .2 ", pour mesures ext. dès .8 " Paar Parallel-Aufsätze .2 ", für Aussenmessung ab .8 " Pair of parallel attachments .2 ", for ext. measurement from .8 "		■	■	
	TELMA5.0 609 05 005	Paire de supports avec touches TELS50, H=40 mm Paar Halter mit Messeinsatz TELS50, H=40 mm Pair of holders with measuring inserts TELS50, H=40 mm		■	■	

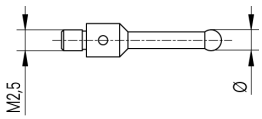
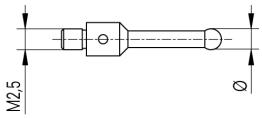
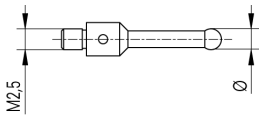
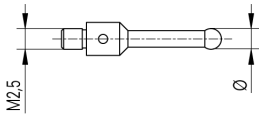
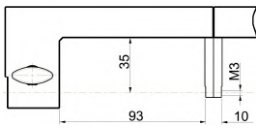
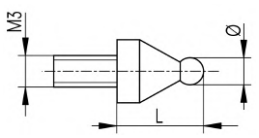
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	TELMA5.0/H55 SP609 05 005 03	Paire de supports avec touches TELS50, H=55 mm Paar Halter mit Messeinsatz TELS50, H=55 mm Pair of holders with measuring inserts TELS50, H=55 mm		■	■	
	TELMA5.0/H65 SP609 05 005 04	Paire de supports avec touches TELS50, H=65mm Paar Halter mit Messeinsatz TELS50, H=65 mm Pair of holders with measuring inserts TELS50, H=65mm		■	■	
	TELMA5.0/H70 SP609 05 005 01	Paire de supports avec touches TELS50, H=70 mm Paar Halter mit Messeinsatz TELS50, H=70 mm Pair of holders with measuring inserts TELS50, H=70 mm		■	■	
	TELMA5.0/H88 SP609 05 005 02	Paire de supports avec touches TELS50, H=88 mm Paar Halter mit Messeinsatz TELS50, H=88 mm Pair of holders with measuring inserts TELS50, H=88 mm		■	■	
	THV-10 609 05 034	Paire de touches mesures int. >Ø10 mm, (table de mesure fixe) Paar Messaufsätze für Innenmess. >Ø10 mm, (fester Auflagetisch) Pair of inserts for internal meas. >Ø10 mm, (rigid measuring table)	■			
	THV-11 609 05 032	Paire de touches mesures int. >Ø2.5 mm, (table de mesure fixe) Paar Messaufsätze für Innenmess. >Ø2.5 mm, (fester Auflagetisch) Pair of inserts for internal meas. >Ø2.5 mm, (rigid measuring table)	■			

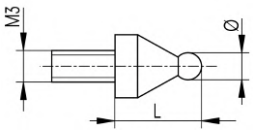
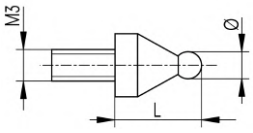
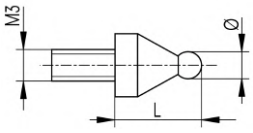
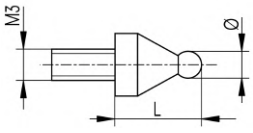
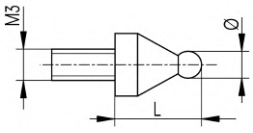
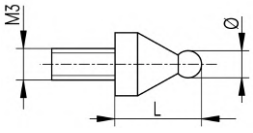
			THV	HC3/HC4	HC5	LABCN
	THV-12 609 05 035	Paire de touches mesures int. >Ø13 mm, (table de mesure fixe) Paar Messaufsätze für Innenmess. >Ø13 mm, (fester Auflagetisch) Pair of inserts for internal meas. >Ø13 mm, (rigid measuring table)	■			
	THV-15 609 05 092	Paire de touches mesures int. >Ø5 mm, (table de mesure fixe) Paar Messaufsätze für Innenmess. >Ø5 mm, (fester Auflagetisch) Pair of inserts for internal meas. >Ø5 mm, (rigid measuring table)	■			
	THV-20 609 05 037	Paire de touches mesures int. >Ø10 mm, (table de mesure flottante) Paar Messaufsätze für Innenmess. >Ø10 mm, (Schwimmender Auflagetisch) Pair of inserts for internal meas. >Ø10 mm, (floating measuring table)	■			
	THV-21 609 05 038	Paire de touches mesures int. >Ø2.5 mm, (table de mesure flottante) Paar Messaufsätze für Innenmess. >Ø2.5 mm, (Schwimmender Auflagetisch) Pair of inserts for internal meas. >Ø2.5 mm, (floating measuring table)	■			
	THV-22 609 05 039	Paire de touches mesures int. >Ø13 mm, (table de mesure flottante) Paar Messaufsätze für Innenmess. >Ø13 mm, (Schwimmender Auflagetisch) Pair of inserts for internal meas. >Ø13 mm, (floating measuring table)	■			
	THV-25 609 05 091	Paire de touches mesures int. >Ø5 mm, (table de mesure flottante) Paar Messaufsätze für Innenmess. >Ø5 mm, (Schwimmender Auflagetisch) Pair of inserts for internal meas. >Ø5 mm, (floating measuring table)	■			

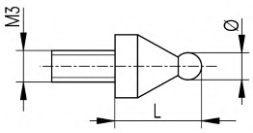
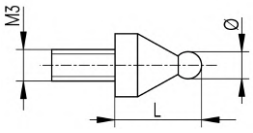
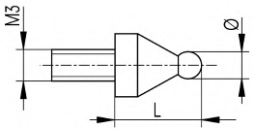
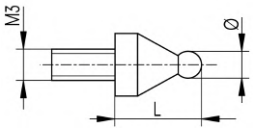
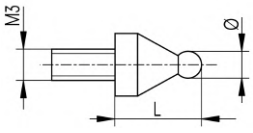
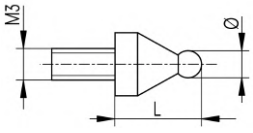
			THV	HC3/HC4	HC5	LA BCN
	THV-26 609 05 094	Paire de touches mesures int. >Ø10 mm, (table de mesure flottante) Paar Messaufsätze für Innenmess. >Ø10 mm, (Schwimmender Auflagetisch) Pair of inserts for internal meas. >Ø10 mm, (floating measuring table)	■			
	TA-MI-370 609 05 118	Paire de touches coudées, H=10 mm, L=85 mm, pour Ø >10 mm Paar Messbügel, H=10 mm, L=85 mm, für Ø >10 mm Pair of L-shaped probes, H=10 mm, L=85 mm, for Ø >10 mm		■	■	■
	TA-MI-371 609 05 115	Paire de touches coudées, H=22 mm, L=85 mm, pour Ø >20 mm Paar Messbügel, H=22 mm, L=85 mm, für Ø >20 mm Pair of L-shaped probes, H=22 mm, L=85 mm, for Ø >20 mm		■	■	■
	TA-MI-372 609 05 116	Paire de touches coudées, H=35 mm, L=90 mm, pour Ø >29 mm Paar Messbügel, H=35 mm, L=90 mm, für Ø >29 mm Pair of L-shaped probes, H=35 mm, L=90 mm, for Ø >29 mm		■	■	■
	TA-MI-373 609 05 117	Paire de touches coudées, H=60 mm, L=100 mm, pour Ø >38 mm Paar Messbügel, H=60 mm, L=100 mm, für Ø >38 mm Pair of L-shaped probes, H=60 mm, L=100 mm, for Ø >38 mm		■	■	■
	TEL75.01 298 000205 050	Touche en T à billes rubis Ø0.335 mm T-förmiger Tastereinsatz, Rubinkugel Ø0.335 mm T-shaped measuring insert, ruby balls Ø0.335 mm		■	■	■

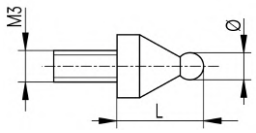
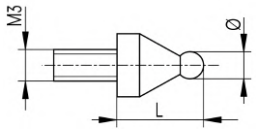
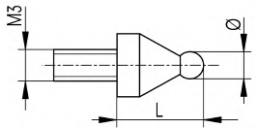
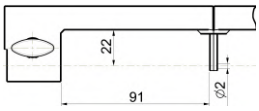
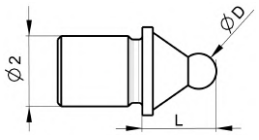
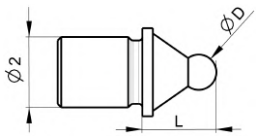
			THV	HC3/HC4	HC5	LABCN
	TEL75.1 298 000205 051	Touche en T à billes rubis Ø0.455 mm T-förmiger Tastereinsatz, Rubinkugel Ø0.455 mm T-shaped measuring insert, ruby balls Ø0.455 mm		■	■	■
	TEL75.2 298 000205 052	Touche en T à billes rubis Ø0.530 mm T-förmiger Tastereinsatz, Rubinkugel Ø0.530 mm T-shaped measuring insert, ruby balls Ø0.530 mm		■	■	■
	TEL75.3 298 000205 053	Touche en T à billes rubis Ø0.620 mm T-förmiger Tastereinsatz, Rubinkugel Ø0.620 mm T-shaped measuring insert, ruby balls Ø0.620 mm		■	■	■
	TEL75.4 298 000205 054	Touche en T à billes rubis Ø0.725 mm T-förmiger Tastereinsatz, Rubinkugel Ø0.725 mm T-shaped measuring insert, ruby balls Ø0.725 mm		■	■	■
	TEL75.5 298 000205 055	Touche en T à billes rubis Ø0.895 mm T-förmiger Tastereinsatz, Rubinkugel Ø0.895 mm T-shaped measuring insert, ruby balls Ø0.895 mm		■	■	■
	TEL75.6 298 000205 056	Touche en T à billes rubis Ø1.100 mm T-förmiger Tastereinsatz, Rubinkugel Ø1.100 mm T-shaped measuring insert, ruby balls Ø1.100 mm		■	■	■

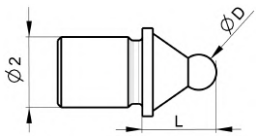
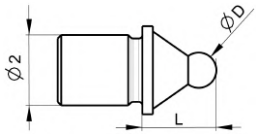
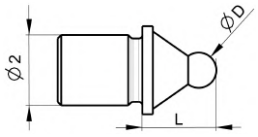
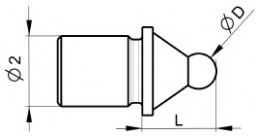
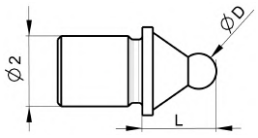
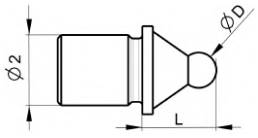
			THV	HC3/HC4	HC5	LA BCN
	TEL75.7 298 000205 057	Touche en T à billes rubis Ø1.350 mm T-förmiger Tastereinsatz, Rubinkugel Ø1.350 mm T-shaped measuring insert, ruby balls Ø1.350 mm		■	■	■
	TEL75.8 298 000205 058	Touche en T à billes rubis Ø1.650 mm T-förmiger Tastereinsatz, Rubinkugel Ø1.650 mm T-shaped measuring insert, ruby balls Ø1.650 mm		■	■	■
	TEL75.9 298 000205 059	Touche en T à billes rubis Ø2.050 mm T-förmiger Tastereinsatz, Rubinkugel Ø2.050 mm T-shaped measuring insert, ruby balls Ø2.050 mm		■	■	■
	TEL75.10 298 000205 060	Touche en T à billes rubis Ø2.550 mm T-förmiger Tastereinsatz, Rubinkugel Ø2.550 mm T-shaped measuring insert, ruby balls Ø2.550 mm		■	■	■
	TEL75.11 298 000205 061	Touche en T à billes rubis Ø3.200 mm T-förmiger Tastereinsatz, Rubinkugel Ø3.200 mm T-shaped measuring insert, ruby balls Ø3.200 mm		■	■	■
	TEL75.12 298 000205 062	Touche en T à billes rubis Ø4.000 mm T-förmiger Tastereinsatz, Rubinkugel Ø4.000 mm T-shaped measuring insert, ruby balls Ø4.000 mm		■	■	■

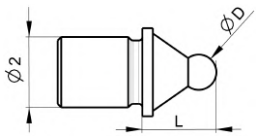
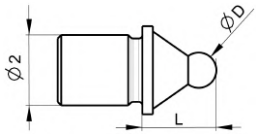
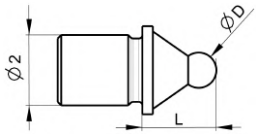
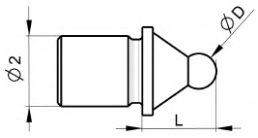
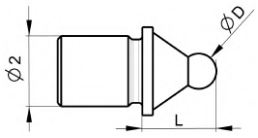
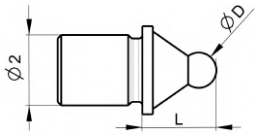
			THV	HC3/HC4	HC5	LABCN
	TEL76.2 509 05 20 0018	Touche à bille Ø0.5 mm Tastereinsatz mit Rubinkugel Ø0.5 mm Measuring insert with ruby ball Ø0.5 mm		■	■	■
	TEL76.3 509 05 20 0019	Touche à bille Ø1.0 mm Tastereinsatz mit Rubinkugel Ø1.0 mm Measuring insert with ruby ball Ø1.0 mm		■	■	■
	TEL76.4 509 05 20 0020	Touche à bille Ø2.5 mm Tastereinsatz mit Rubinkugel Ø2.5 mm Measuring insert with ruby ball Ø2.5 mm		■	■	■
	TEL76.5 509 05 20 0021	Touche à bille Ø5.0 mm Tastereinsatz mit Rubinkugel Ø5.0 mm Measuring insert with ruby ball Ø5.0 mm		■	■	■
	TA-MI-372/SP04 SP609 05 116 04	Jeux de touches coudées, H=35 mm, L=90 mm avec M3, pour Ø >38 mm Set Messbügel, H=35 mm, L=90 mm mit M3, für Ø >38 mm Set of L-shaped probes, H=35 mm, L=90 mm with M3, for Ø >38 mm		■	■	■
	TEL77.100 279 901009 001	Paire de touches à bille Ø1.00 mm Paar Messeinsätze mit Kugel Ø1.00 mm Pair of measuring inserts with ball Ø1.00 mm		■	■	■

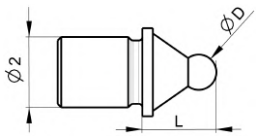
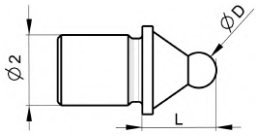
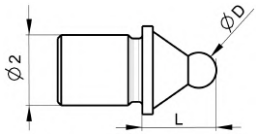
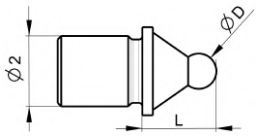
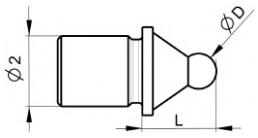
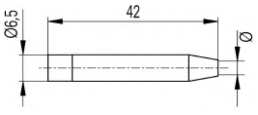
			THV	HC3/HC4	HC5	LA BCN
	TEL77.125 279 901009 008	Paire de touches à bille Ø1.25 mm Paar Messeinsätze mit Kugel Ø1.25 mm Pair of measuring inserts with ball Ø1.25 mm		■	■	■
	TEL77.150 279 901009 002	Paire de touches à bille Ø1.50 mm Paar Messeinsätze mit Kugel Ø1.50 mm Pair of measuring inserts with ball Ø1.50 mm		■	■	■
	TEL77.175 279 901009 009	Paire de touches à bille Ø1.75 mm Paar Messeinsätze mit Kugel Ø1.75 mm Pair of measuring inserts with ball Ø1.75 mm		■	■	■
	TEL77.200 279 901009 003	Paire de touches à bille Ø2.00 mm Paar Messeinsätze mit Kugel Ø2.00 mm Pair of measuring inserts with ball Ø2.00 mm		■	■	■
	TEL77.250 279 901009 004	Paire de touches à bille Ø2.50 mm Paar Messeinsätze mit Kugel Ø2.50 mm Pair of measuring inserts with ball Ø2.50 mm		■	■	■
	TEL77.300 279 901009 005	Paire de touches à bille Ø3.00 mm Paar Messeinsätze mit Kugel Ø3.00 mm Pair of measuring inserts with ball Ø3.00 mm		■	■	■

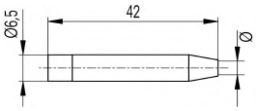
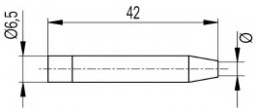
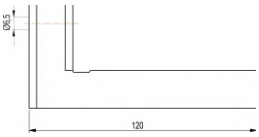
			THV	HC3/HC4	HC5	LA BCN
	TEL77.350 279 901009 006	Paire de touches à bille Ø3.50 mm Paar Messeinsätze mit Kugel Ø3.50 mm Pair of measuring inserts with ball Ø3.50 mm		■	■	■
	TEL77.400 279 901009 007	Paire de touches à bille Ø4.00 mm Paar Messeinsätze mit Kugel Ø4.00 mm Pair of measuring inserts with ball Ø4.00 mm		■	■	■
	TEL77.450 279 901009 010	Paire de touches à bille Ø4.50 mm Paar Messeinsätze mit Kugel Ø4.50 mm Pair of measuring inserts with ball Ø4.50 mm		■	■	■
	TEL77.500 279 901009 011	Paire de touches à bille Ø5.00 mm Paar Messeinsätze mit Kugel Ø5.00 mm Pair of measuring inserts with ball Ø5.00 mm		■	■	■
	TEL77.550 279 901009 012	Paire de touches à bille Ø5.50 mm Paar Messeinsätze mit Kugel Ø5.50 mm Pair of measuring inserts with ball Ø5.50 mm		■	■	■
	TEL77.600 279 901009 013	Paire de touches à bille Ø6.00 mm Paar Messeinsätze mit Kugel Ø6.00 mm Pair of measuring inserts with ball Ø6.00 mm		■	■	■

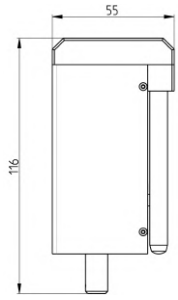
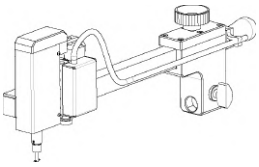
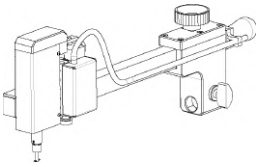
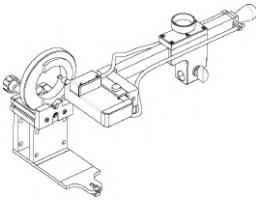
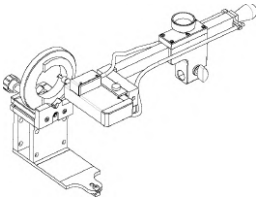
			THV	HC3/HC4	HC5	LABCN
	TEL77.700 279 901009 014	Paire de touches à bille Ø7.00 mm Paar Messeinsätze mit Kugel Ø7.00 mm Pair of measuring inserts with ball Ø7.00 mm		■	■	■
	TEL77.900 279 901009 015	Paire de touches à bille Ø9.00 mm Paar Messeinsätze mit Kugel Ø9.00 mm Pair of measuring inserts with ball Ø9.00 mm		■	■	■
	TEL77.1000 279 901009 016	Paire de touches à bille Ø10.00 mm Paar Messeinsätze mit Kugel Ø10.00 mm Pair of measuring inserts with ball Ø10.00 mm		■	■	■
	TA-MI-371/SP01 SP609 05 115 01	Paire de touches coudées H=22/19 mm, L=80 mm, Ø2 Paar Messbügel H=22/19 mm, L=80 mm, Ø2 Pair of L-shaped probes H=22/19 mm, L=80 mm, Ø2		■	■	■
	TA-MI-3401 SP609 05 115 017	Paire de touches à bille Ø0,50 mm Paar Taster Ø0,50 mm Set of anvils Ø0,50 mm		■	■	■
	TA-MI-3402 SP609 05 115 024	Paire de touches à bille Ø2,70 mm Paar Taster Ø2,70 mm Set of anvils Ø2,70 mm		■	■	■

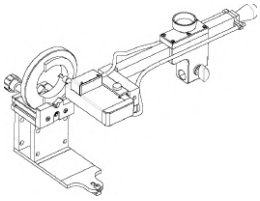
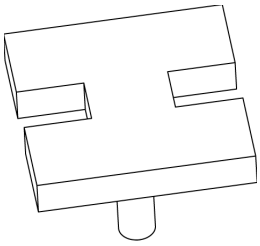
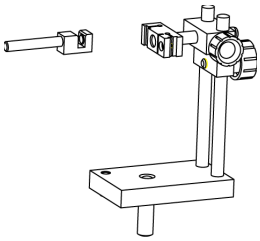
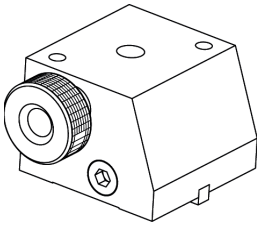
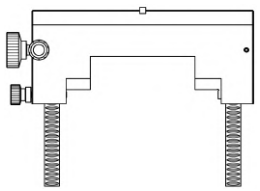
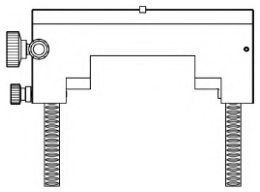
			THV	HC3/HC4	HC5	LABCN
	TA-MI-3403 SP609 05 115 018	Paire de touches à bille Ø0.826 mm Paar Taster Ø0,826 mm Set of anvils Ø0,826 mm		■	■	■
	TA-MI-3404 SP609 05 115 019	Paire de touches à bille Ø0,89 mm Paar Taster Ø0,89 mm Set of anvils Ø0,89 mm		■	■	■
	TA-MI-3405 SP609 05 115 020	Paire de touches à bille Ø1,00 mm Paar Taster Ø1,00 mm Set of anvils Ø1,00 mm		■	■	■
	TA-MI-3406 SP609 05 115 025	Paire de touches à bille Ø1,25 mm Paar Taster Ø1,25 mm Set of anvils Ø1,25 mm		■	■	■
	TA-MI-3407 SP609 05 115 021	Paire de touches à bille Ø1,38 mm Paar Taster Ø1,38 mm Set of anvils Ø1,38 mm		■	■	■
	TA-MI-3408 SP609 05 115 010	Paire de touches à bille Ø1,50 mm Paar Taster Ø1,50 mm Set of anvils Ø1,50 mm		■	■	■

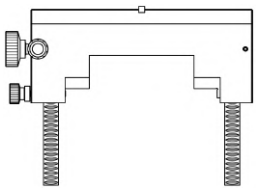
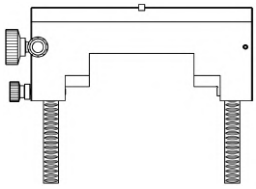
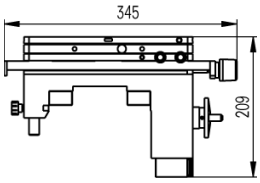
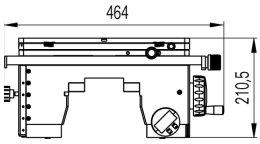
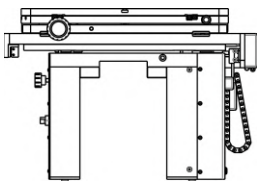
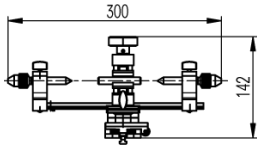
			THV	HC3/HC4	HC5	LA BCN
	TA-MI-3409 SP609 05 115 011	Paire de touches à bille Ø1,524 mm Paar Taster Ø1,524 mm Set of anvils Ø1,524 mm		■	■	■
	TA-MI-3410 SP609 05 115 026	Paire de touches à bille Ø1,75 mm Paar Taster Ø1,75 mm Set of anvils Ø1,75 mm		■	■	■
	TA-MI-3411 SP609 05 115 022	Paire de touches à bille Ø2,00 mm Paar Taster Ø2,00 mm Set of anvils Ø2,00 mm		■	■	■
	TA-MI-3412 SP609 05 115 012	Paire de touches à bille Ø2,36 mm Paar Taster Ø2,36 mm Set of anvils Ø2,36 mm		■	■	■
	TA-MI-3413 SP609 05 115 013	Paire de touches à bille Ø2,50 mm Paar Taster Ø2,50 mm Set of anvils Ø2,50 mm		■	■	■
	TA-MI-3414 SP609 05 115 014	Paire de touches à bille Ø2,65 mm Paar Taster Ø2,65 mm Set of anvils Ø2,65 mm		■	■	■

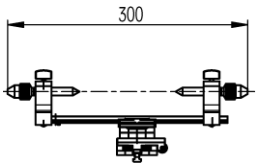
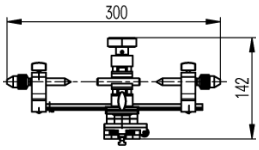
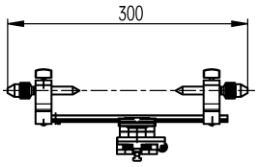
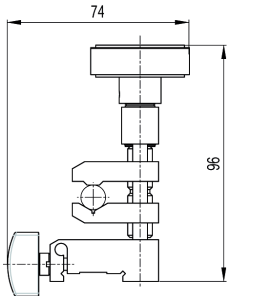
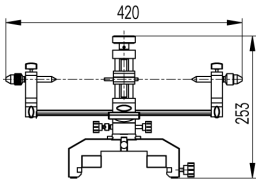
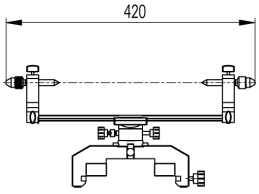
			THV	HC3/HC4	HC5	LABCN
	TA-MI-3415 SP609 05 115 023	Paire de touches à bille Ø2,70 mm Paar Taster Ø2,70 mm Set of anvils Ø2,70 mm		■	■	■
	TA-MI-3416 SP609 05 115 015	Paire de touches à bille Ø2,80 mm Paar Taster Ø2,80 mm Set of anvils Ø2,80 mm		■	■	■
	TA-MI-3417 SP609 05 115 016	Paire de touches à bille Ø3,00 mm Paar Taster Ø3,00 mm Set of anvils Ø3,00 mm		■	■	■
	TA-MI-3418 SP609 05 115 027	Paire de touches à bille Ø3,50 mm Paar Taster Ø3,50 mm Set of anvils Ø3,50 mm		■	■	■
	TA-MI-3419 SP609 05 115 028	Paire de touches à bille Ø5,00 mm Paar Taster Ø5,00 mm Set of anvils Ø5,00 mm		■	■	■
	TELS51 509 05 20 0027	Support pour touches M2.5 Tasterhalter für Messeinsätze M2.5 Holder for measuring inserts M2.5	■			

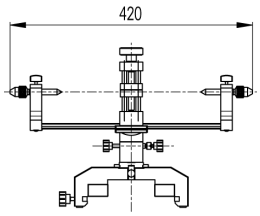
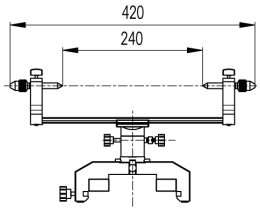
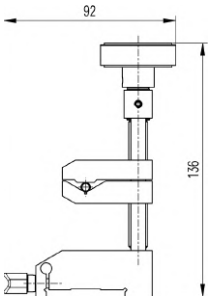
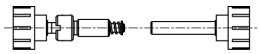
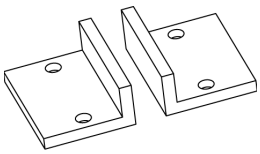
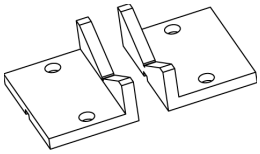
			THV	HC3/HC4	HC5	LABCN
	TELS51E 509 05 20 0028	Support pour touches 4-48 Tasterhalter für Messeinsätze 4-48 Holder for measuring inserts 4-48	■			
	TELS51/D3.5 609 05 045	Paire de supports pour touches Ø3.5 mm Paar Halter für Messeinsätze Ø3.5 mm Pair of holders for measuring inserts Ø3.5 mm	■			
	TEL5.0 612 11 017	Paire de supports pour touches Ø6.5 mm Paar Halter für Messeinsätze Ø6.5 mm Pair of holders for measuring inserts Ø6.5 mm		■	■	
	TA-MS-301 276 940001 004	Palpeur électronique 30 mm Elektronischer Messtaster 30 mm Electronic probe 30 mm		■	■	
	TA-MS-307 276 900004 003	Comparateur digital 50 mm, résolution 0.001 mm Digital-Messuhr 50 mm, Auflösung 0.001 mm Digital indicator 50 mm, resolution 0.001 mm	■	■	■	
	TA-MS-308 276 900004 004	Comparateur digital 100 mm, résolution 0.001 mm Digital-Messuhr 100 mm, Auflösung 0.001 mm Digital indicator 100 mm, resolution 0.001 mm		■	■	

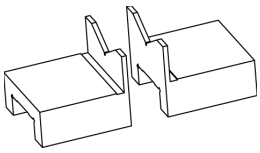
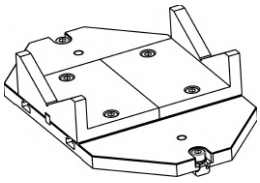
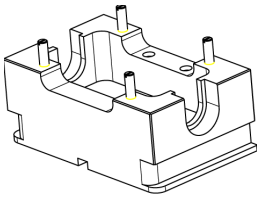
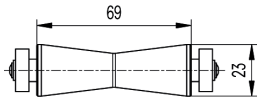
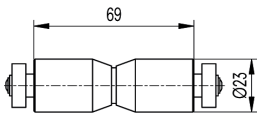
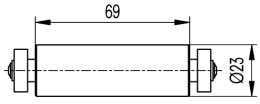
			THV	HC3/HC4	HC5	LABCN
	LABC70.1 609 02 003	Palpeur électronique pour mesure intérieure, (sans support, sans interface) Elektronischer Messtaster für Innenmessung, (ohne halter, ohne Interface) Electronic probe for internal measurement, (without support, without interface)		■	■	■
	TA-MS-370 706 203 02	Palpeur électronique pour mesure intérieure, (avec support, sans interface) Elektronischer Messtaster für Innenmessung, (mit halter, ohne Interface) Electronic probe for internal measurement, (with support, without interface)		■	■	■
	TA-MS-371 706 203 03	Dispositif avec système de mesure selon axe Z, pour la mesure de pièces coniques (avec interface) Messvorrichtung mit Messsystem in Z-Achse, für die Messung von kegelförmigen Lehren (mit Interface) Device with measuring system in Z axis, for measurement of conical parts (with interface)				■
	TA-MS-372 706 203 04	Dispositif avec système de mesure selon axe Z, pour la mesure de pièces coniques (avec interface) Messvorrichtung mit Messsystem in Z-Achse, für die Messung von kegelförmigen Lehren (mit Interface) Device with measuring system in Z axis, for measurement of conical parts (with interface)		■	■	
	LABC80 709 60 001	Système de mesure pour filetages coniques, Avec palpeur électronique LABC-70.1 et support, Avec support jauges, support comparateur et interface Messsystem für konische Gewindelehren, Mit elektronischem Messtaster LABC-70.1 und Halter, Mit Lehren-Halter, Messuhr-Halter und Interface Measuring system for taper threads, With electronic probe LABC-70.1 and support, With ring & plug support, dial indicator support and interface		■	■	
	LABC80.1 712 04 003	Système de mesure pour filetages coniques, Seul. support palpeur électronique (sans LABC-70.1), Avec support jauges, support comparateur et interface Messsystem für konische Gewindelehren, Nur mit Messtaster-Halter (ohne LABC-70.1), Mit Lehren-Halter, Messuhr-Halter und Interface Measuring system for taper threads, Only with electronic probe holder (without LABC-70.1), With ring & plug support, dial indicator support and interface		■	■	

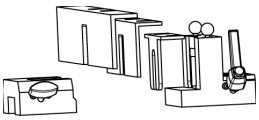
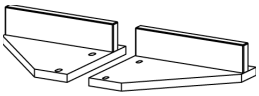
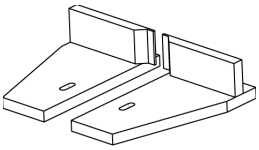
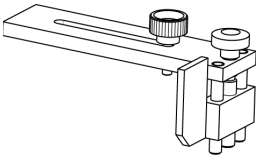
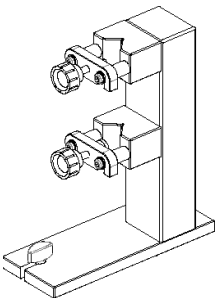
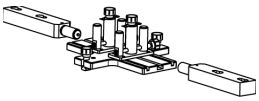
			THV	HC3/HC4	HC5	LABCN
	TA-MS-381 712 04 010	Système de mesure pour filetages coniques, Seul. support palpeur électronique (sans LABC-70.1), Avec support jauges et interface Messsystem für konische Gewindelehren, Nur mit Messtaster-Halter (ohne LABC-70.1), Mit Lehren-Halter und Interface Measuring system for taper threads, Only with electronic probe holder (without LABC-70.1), With ring & plug support and interface				■
	THV-101 602 33 002	Plateau en forme de H Auflageplatte mit H-Aussparung Plate with H-shaped clearance	■			
	THV-150 609 00 005	Support pour comparateurs à levier Halter für Fühlhebelmessgeräte Holder for dial test indicators	■			
	THV-100 602 15 001	Support pour THV-101 & THV-150 Aufnahmeblock für THV-101 & THV-150 Support for THV-101 & THV-150	■			
	TELMA7 602 39 007	Paire de supports réglables en hauteur, Réglage Z=80 mm Paar Höhenverstellbare Auflagen, Verstellbereich Z=80mm Pair of vertically adjustable supports, Adjustment range Z=80 mm		■	■	■
	TELMA7/P 602 39 005	Support réglable en hauteur, Réglage Z=80 mm Verstellbare Auflage, Verstellbereich Z=80mm Vertically adjustable support, Adjustment range Z=80 mm		■	■	■

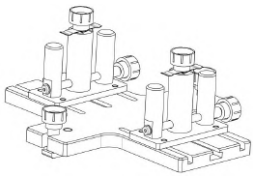
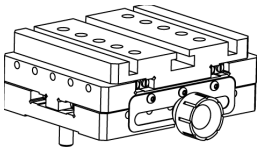
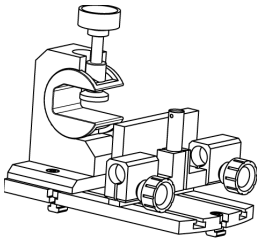
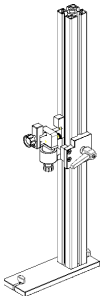
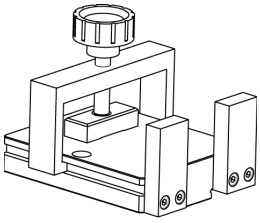
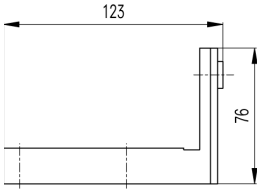
			THV	HC3/HC4	HC5	LABCN
	TELMA7/SP04 602 39 012	Paire de supports réglables en hauteur, Réglage Z=200 mm, plateau standard Paar Höhenverstellbare Auflagen, Verstellbereich Z=200 mm, standard-Platte Pair of vertically adjustable supports, Adjustment range Z=200 mm, standard plate		■	■	■
	TELMA7/SP05 602 39 013	Paire de supports réglables en hauteur, Réglage Z=200 mm, plateau en U Paar Höhenverstellbare Auflagen, Verstellbereich Z=200mm, U-förmige Platte Pair of vertically adjustable supports, Adjustment range Z=200 mm, U-shaped Plate		■	■	■
	TA-SU-313 709 40 044	Table de mesure universelle <12 kg, Plateau 250 x 85 mm, Course Z=80mm, Y=50 mm Universal-Messtisch <12 kg, Auflageplatte 250 x 85 mm, Verstellbereich Z=80mm, Y=50 mm Universal measuring table <12 kg, Positioning plate 250 x 85 mm, Range Z=80mm, Y=50 mm		■	■	
	HPA-14 709 40 033	Table de mesure universelle 40 Kg, Plateau 360 x 120 mm, Course Z=50mm, Y=50 mm Universal-Messtisch <40 Kg, Auflageplatte 360 x 120 mm, Verstellbereich Z=50mm, Y=50 mm Universal measuring table 40 Kg, Positioning plate 360 x 120 mm, Range Z=50mm, Y=50 mm		■	■	
	TA-SU-320 709 40 046	Table de mesure universelle motorisée 60 Kg, Plateau 360 x 150 mm, Course Z=80mm, Y=50 mm Universal-Messtisch motorisiert 60 Kg, Auflageplatte 360 x 150 mm, Verstellbereich Z=80mm, Y=50 mm Universal measuring table motorised 60 Kg, Positioning plate 360 x 150 mm, Range Z=80mm, Y=50 mm		■	■	■
	THV-115 709 40 035	Table de mesure pour tampons <Ø60 x 160 mm, avec étau auto-centreur Messtisch für Lehrdorne <Ø60 x 160 mm, mit Symetriespanner Measuring table for plug gauges <Ø60 x 160 mm, with self centring clamp	■			

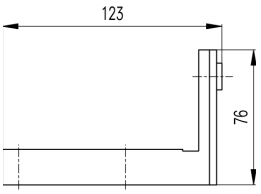
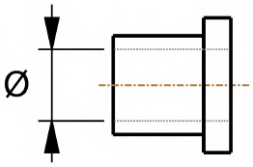
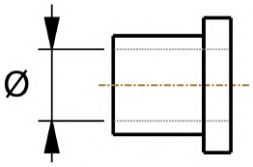
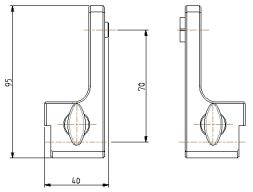
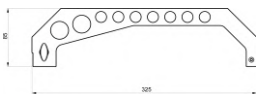
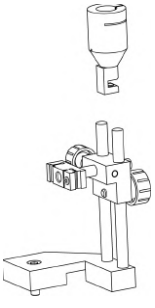
			THV	HC3/HC4	HC5	LABCN
	THV-115.1 609 40 035	Table de mesure pour tampons <Ø60 x 160 mm, sans étau auto-centreur Messtisch für Lehrdorne <Ø60 x 160 mm, ohne Symetriespanner Measuring table for plug gauges <Ø60 x 160 mm, without self centring clamp	■			
	TA-SU-316 709 40 041	Table de mesure pour tampons <Ø60 x 160 mm, avec étau auto-centreur, (A utiliser avec HPA-14 & TELMA5.0 ou TA-SU-320) Messtisch für Lehrdorne <Ø60 x 160 mm, mit Symetriespanner, (Einsetzbar mit HPA-14 & TELMA5.0 oder TA-SU-320) Measuring table for plug gauges <Ø60 x 160 mm, with self centring clamp, (To be used HPA-14 & TELMA5.0 or TA-SU-320)		■	■	■
	TA-SU-317 609 40 041	Table de mesure pour tampons <Ø60 x 160 mm, sans étau auto-centreur, (A utiliser avec HPA-14 & TELMA5.0 ou TA-SU-320) Messtisch für Lehrdorne <Ø60 x 160 mm, ohne Symetriespanner, (Einsetzbar mit HPA-14 und TELMA5.0 oder TA-SU-320) Measuring table for plug gauges <Ø60 x 160 mm, without self centring clamp, (To be used HPA-14 & TELMA5.0 or TA-SU-320)		■	■	■
	THV-115.2 706 04 002	Etau auto-centreur, pour THV-115.1 & TA-SU-317 Symetriespanner, für THV-115.1 & TA-SU-317 Self centring clamp, for THV-115.1 & TA-SU-317	■			
	LABC-15 709 40 034	Table de mesure pour tampons <Ø100 x 280 mm, avec étau auto-centreur et vis d'alignement Messtisch für Lehrdorne <Ø100 x 280 mm, mit Symetriespanner & Distanzschrauben Measuring table for plug gauges <Ø100 x 280 mm, with self centring clamp and alignment screws		■	■	
	LABC-15.1 609 40 034	Table de mesure pour tampons <Ø100 x 280 mm, sans étau auto-centreur et vis d'alignement Messtisch für Lehrdorne <Ø100 x 280 mm, ohne Symetriespanner & Distanzschrauben Measuring table for plug gauges <Ø100 x 280 mm, without self centring clamp and alignment screws		■	■	

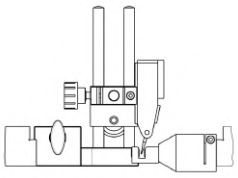
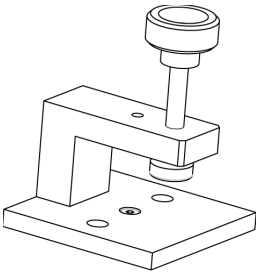
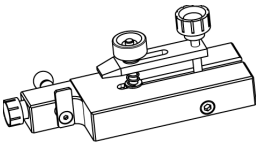
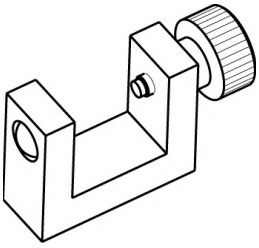
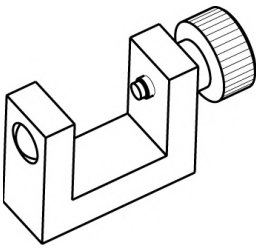
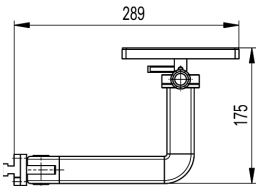
			THV	HC3/HC4	HC5	LABCN
	TA-SU-315 709 40 040	Table de mesure pour tampons <Ø100 x 280 mm, avec étau auto-centreur et vis d'alignement Messtisch für Lehrdorne <Ø100 x 280 mm, mit Symetriespanner & Distanzschrauben Measuring table for plug gauges <Ø100 x 280 mm, with self centring clamp and alignment screws				■
	Nano-15.1 609 40 040	Table de mesure pour tampons <Ø100 x 280 mm, sans étau auto-centreur et vis d'alignement Messtisch für Lehrdorne <Ø100 x 280 mm, ohne Symetriespanner & Distanzschrauben Measuring table for plug gauges <Ø100 x 280 mm, without self centring clamp and alignment screws				■
	LABC-15.2 706 04 001	Etau auto-centreur, pour LABC-15.1, Nano-15.1, H-15.1, HG-15.1 Symetriespanner, für LABC-15.1, Nano-15.1, H-15.1, HG-15.1 Self centring clamp, for LABC-15.1, Nano-15.1, H-15.1, HG-15.1		■	■	■
	LABC-15.3 708 03 007	Vis d'alignement, pour LABC-15.1, Nano-15.1, H-15.1, HG-15.1 Schrauben zum Ausrichten, für LABC-15.1, Nano-15.1, H-15.1, HG-15.1 Alignment screws, for LABC-15.1, Nano-15.1, H-15.1, HG-15.1		■	■	■
	TELMN7.1 612 32 002	Paire d'équerres de posage Paar Auflagewinkel Pair of L-shaped supports		■	■	
	TELMN7.2 612 32 001	Paire de supports en V Paar V-förmige Auflagen Pair of V-shaped supports		■	■	■

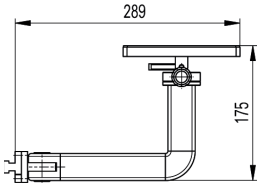
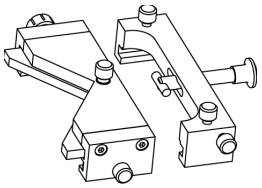
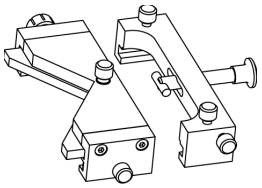
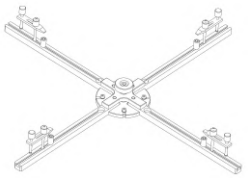
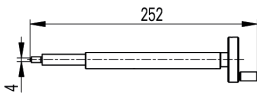
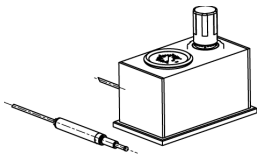
			THV	HC3/HC4	HC5	LABCN
	TEL11 612 12 032	Paire de supports en V Paar V-förmige Auflagen Pair of V-shaped supports		■	■	■
	TA-SU-308 612 32 021	Support en V pour table Paar Prismenauflage zu Universalmesstisch Set of V-shaped supports for		■	■	■
	TELMN7.2/SP01 612 23 001	Support pour rouleaux Aunahme für Auflagerollen Supporting device for rolls		■	■	
	TELMN7.2/SP02 613 07 006	Rouleau en V pour pièces cylindriques V-förmige Auflagerolle für zylindrische Teile V-shaped roll for cylindrical parts		■	■	
	TELMN7.2/SP03 613 07 007	Rouleau pour jauges Easy-Metric Auflagerolle für Easy-Metric-Lehren Roll for Easy-Metric gauges		■	■	
	TELMN7.2/SP04 613 07 008	Rouleau cylindrique Zylindrische Auflagerolle Cylindrical roll		■	■	

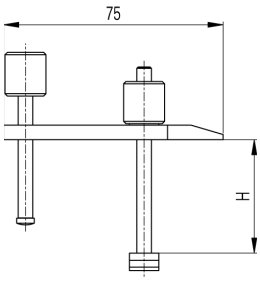
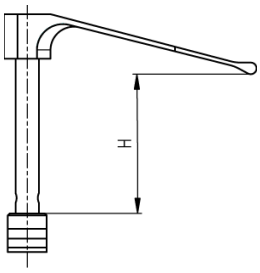
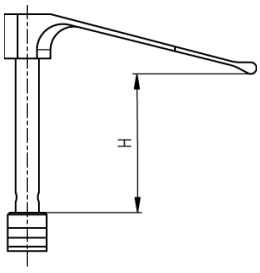
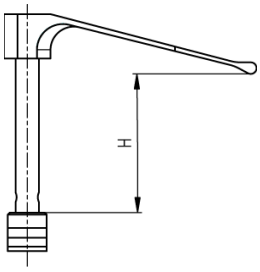
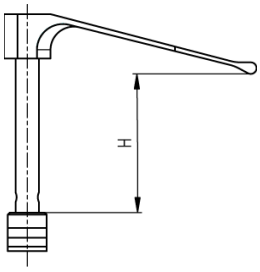
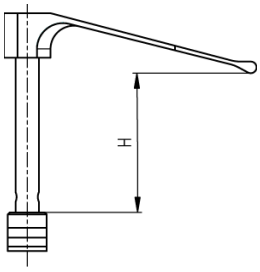
			THV	HC3/HC4	HC5	LABCN
	TA-SU-301 612 04 005	Support pour vérificateurs d'alésages à 2 points Auflagevorrichtung für 2-Pkt-Bohrungsmessgeräte Supporting device for 2 points bore gauges		■	■	
	TEL17 602 32 014	Paire de plaques d'appui, pour vérificateurs d'alésages à 2 points <330 mm Paar Anschlagplatten, für 2-Punkt-Bohrungsmessgeräte <330 mm Pair of supporting plates, for 2 points bore gauges <330 mm		■	■	
	TEL17.2 602 32 016	Paire de plaques d'appui, pour vérificateurs d'alésages à 2 points <180 mm Paar Anschlagplatten, für 2-Punkt-Bohrungsmessgeräte <180 mm Pair of supporting plates, for 2 points bore gauges <180 mm		■	■	
	TELMN4 602 20 013	Appui pour recherche du point de rebroussement Auflage für die Bestimmung des Umkehrpunktes Adjustable support for setting of reversal point		■	■	
	TA-SU-318 SP612 04 005 01	Support alésomètre >100 mm Halter für Bohrungmessgeräten >100mm Support for bore gauge >100mm		■	■	■
	TA-SU-305 709 60 003	Support pour cales étalons 100-250 mm, avec touches TA-MI-350, (seulement pour tables TA-SU-313 et TA-SU-320) Auflagevorrichtung für Endmasse 100-250 mm, mit Messaufsätzen TA-MI-350, (Nur für Messtische TA-SU-313 und TA-SU-320) Supporting device for gauge blocks 100-250 mm, with anvils TA-MI-350, (only for measuring tables TA-SU-313 and TA-SU-320)		■	■	

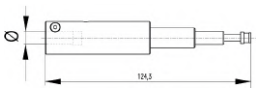
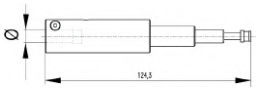
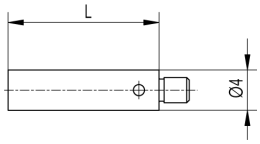
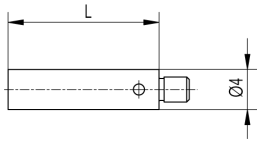
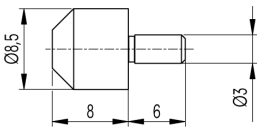
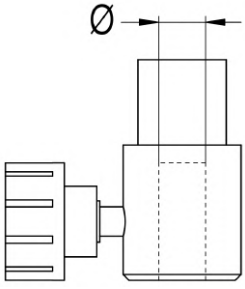
			THV	HC3/HC4	HC5	LABCN
	TA-SU-312 612 04 007	Support principal pour cales-étalon 100-250 mm, (seulement pour tables TA-SU-313 et TA-SU-320) Hauptauflage für Endmasse 100-250 mm, (Nur für Messtische TA-SU-313 und TA-SU-320) Main support for gauge blocks 100-250 mm, (only for measuring tables TA-SU-313 and TA-SU-320)		■	■	■
	TA-SU-306 612 04 008	Support additionnel pour cales-étalons >250 mm, à utilier avec TA-SU-305 ou TA-SU-312, (fixation sur TELMA7) Zusätzliche Auflage für Endmasse >250 mm, zu verwenden mit TA-SU-305 oder TA-SU-312, (für Montage auf TELMA7) Additional support for gauge blocks >250 mm, to be used with TA-SU-305 or TA-SU-312, (to be mounted on TELMA7)		■	■	■
	TULM14 708 209 140	Dispositif de fixation pour micromètres extérieurs, 12-100 mm Befestigungsvorrichtung für Bügelmessschrauben, 12-100 mm Clamping device for external micrometers, 12-100 mm / .48"-4"		■	■	
	TA-SU-309 SP612 04 009 01	Support vertical grands micromètres Auflage für grosse Bügelmessschrauben Holder vertical for large size micrometers		■	■	■
	TULM19 612 30 003	Fixation pour pieds à coulisse de profondeur Befestigungsvorrichtung für Tiefenmessschieber Holding device for depth calipers		■	■	
	TEL5CN 612 02 008	Paire de supports pour comparateur Ø8 mm Paar Messuhren-Halter Ø8 mm Pair of holders for dial indicators Ø8 mm		■	■	

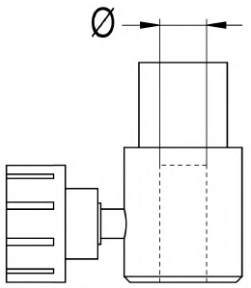
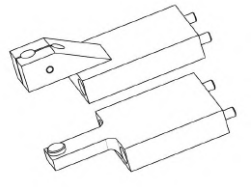
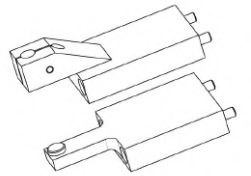
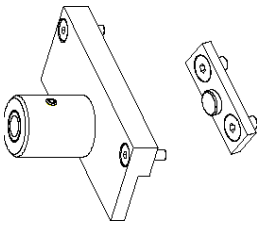
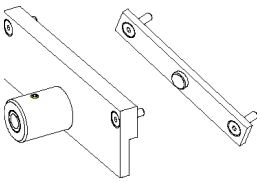
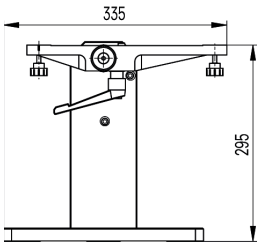
			THV	HC3/HC4	HC5	LABCN
	TEL5CNE 612 02 007	Paire de supports pour comparateur Ø3/8" Paar Messuhren-Halter Ø3/8" Pair of holders for dial indicators Ø3/8"		■	■	
	TA-AD-302 503 12 20 0033	Douille d'adaptation Ø8 mm pour TEL5CNE Adapterhülse Ø8 mm für TEL5CNE Adapter sleeve Ø8 mm for TEL5CNE		■	■	
	TA-AD-303 503 12 20 0002	Douille d'adaptation Ø3/8" mm pour TEL5CN Adapterhülse Ø3/8" für TEL5CN Adapter sleeve Ø3/8" mm for TEL5CN		■	■	
	TA-SU-310 612 02 028	Paire de supports pour comparateurs Ø8 mm Paar Halter für Messuhren Ø8 mm Pair of holders for dial indicators Ø8 mm				■
	TA-IH-301 612 02 029	Support pour comparateur de 50mm de course max., Pour LABC-Nano, uniquement LABC-Nano 600/1100, Pas compatible avec les LABCP300 ou HCx-300 Messuhren-Halter für Messuhren mit 50mm max., Für LABC-Nano, nur LABC-Nano 600/1100, Nicht kompatibel mit LABCP300 oder HCx-300 Holder for dial indicator with a range of 50mm max., For LABC-Nano, only LABC-Nano 600/1100, Not compatible with LABCP300 or HCx-300		■	■	
	TULM15 609 02 015	Dispositif de fixation pour comparateurs à levier, uniquement pour HP/LABC/LABCP Befestigungsvorrichtung für Fühlhebelmessgeräte, nur für HP/LABC/LABCP Holding device for dial test indicators, only for HP/LABC/LABCP		■	■	

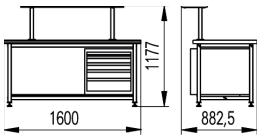
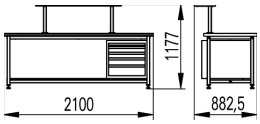
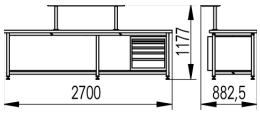
			THV	HC3/HC4	HC5	LABCN
	TA-SU-311 609 60 003	Dispositif de fixation pour comparateurs à levier Befestigungsvorrichtung für Fühlhebelmessgeräte Holding device for dial test indicators				■
	TEL14N 612 12 049	Dispositif de fixation pour calibres-mâchoires Befestigungsvorrichtung für Rachenlehren Clamping device for snap gauges		■	■	■
	TA-SU-302 603 00 021	Dispositif d'alignement de calibres-mâchoires Ausrichtungsvorrichtung für Rachenlehren Alignment device for snap gauges		■	■	
	TEL10 612 12 023	Paire de butées à bille Ø10 mm Paar Kugelanschläge Ø10 mm Pair of ball attachments Ø10 mm		■	■	
	TEL10E 612 12 022	Paire de butées à bille Ø1/2 " Paar Kugelanschläge Ø1/2 " Pair of ball attachments Ø1/2 "		■	■	
	LABC20 709 60 002	Paire de supports pour grands micromètres Paar Auflagen für grosse Bügelmessschrauben Pair of holders for large size micrometers			■	

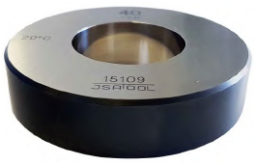
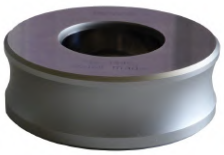
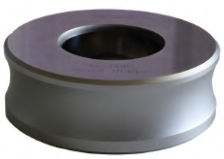
			THV	HC3/HC4	HC5	LABCN
	LABC20.1 609 60 002	Support pour grands micromètres Auflage für grosse Bügelmessschrauben Holder for large size micrometers			■	
	THV-260 609 00 007	Système de recherche du pt. de rebroussement, pour bagues (DIN/ISO) Umkehrpunktfeststellungs-System, für Lehrringe (DIN/ISO) System for search of reversal point, for ring gauges (DIN/ISO)	■			
	THV-261 609 00 006	Système de recherche du pt. de rebroussement, pour bagues (ANSI/ASME) Umkehrpunktfeststellungs-System, für Lehrringe (ANSI/ASME) System for search of reversal point, for ring gauges (ANSI/ASME)	■			
	TA-SU-304 SP609 60 001 01	Support mesure pour grandes bagues, (uniquement pour tables HPA-14 et TA-SU-320) Auflagevorrichtung für grosse Lehrringe, (nur für Messtische HPA-14 und TA-SU-320) Supporting device for large ring gauges, (only for tables HPA-14 and TA-SU-320)		■	■	■
	THV-180 606 25 008	Vis micrométrique pour contrôle de comparateurs Mikrometerspindel für das Prüfen von Messuhren Micrometer spindle for checking of dial indicators	■			
	THV-500 616 00 021	Système pneumatique de force de mesure Pneumatisches System für Messkrafteinstellung Pneumatic system for measuring force setting	■			

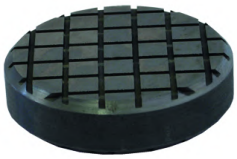
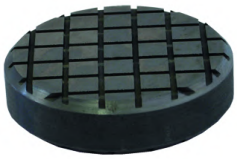
			THV	HC3/HC4	HC5	LA BCN
	TEL14.2 606 00 005	Paire de brides de serrage H<60 mm Paar Klemmbügel H<60 mm Pair of clamping attachments H<60 mm		■	■	■
	TA-SU-354 706 02 004	Paire de brides de serrage rapide H<60 mm Paar Schnell-Klemmbügel H<60 mm Pair of fast clamping attachments H<60 mm		■	■	■
	TA-SU-355 706 02 005	Paire de brides de serrage rapide H<100 mm Paar Schnell-Klemmbügel H<100 mm Pair of fast clamping attachments H<100 mm		■	■	■
	TA-SU-356 706 02 006	Paire de brides de serrage rapide H<150 mm Paar Schnell-Klemmbügel H<150 mm Pair of fast clamping attachments H<150 mm		■	■	■
	TA-SU-357 706 02 007	Paire de brides de serrage rapide H<200 mm Paar Schnell-Klemmbügel H<200 mm Pair of fast clamping attachments H<200 mm		■	■	■
	TA-SU-358 706 02 008	Paire de brides de serrage rapide H<250 mm Paar Schnell-Klemmbügel H<250 mm Pair of fast clamping attachments H<250 mm		■	■	■

			THV	HC3/HC4	HC5	LABCN
	THV-181 601 01 002	Adaptateur pour comparateur Ø8mm Messuhrenaufnahme, Ø8mm Holder for checking dial indicators, Ø8mm	■			
	THV-181E 601 01 001	Adaptateur pour comparateur Ø3/8 " Messurenaufnahme, Ø3/8 " Holder for checking dial indicators, Ø3/8 "	■			
	TEL76.6 501 04 20 0001	Rallonge pour touches à bille et en T, L=7.5 mm Verlängerung für Tastereinsätze, L=7.5 mm Extension for ball and T-shaped probes, L=7.5 mm		■	■	■
	TEL76.7 501 04 20 0002	Rallonge pour touches à bille et en T, L=15 mm Verlängerung für Tastereinsätze, L=15 mm Extension for ball and T-shaped probes, L=15 mm		■	■	■
	TEL76.1 512 12 20 0003	Support pour touches à bille Halterung für Kugeltaster Holder for ball probe		■	■	■
	TEL3.1 603 12 006	Douille de fixation pour comparateurs Ø8 mm Klemmhülse für Messuhren Ø8 mm Clamping sleeve for dial indicators Ø8 mm		■	■	

			THV	HC3/HC4	HC5	LABCN
	TEL3.1E 603 12 007	Douille de fixation pour comparateurs Ø3/8 " Klemmhülse für Messuhren Ø3/8 " Clamping sleeve for dial indicators Ø3/8 "		■	■	
	TULM13.2 612 02 012	Support comparateur Ø8 mm, pour TA-SU-313, H-13, HG-13 Messuhren-Halter Ø8 mm, für TA-SU-313, H-13, HG-13 Dial indicator holder Ø8 mm, for TA-SU-313, H-13, HG-13		■	■	
	TULM13.2E 612 02 013	Support comparateur Ø3/8 ", pour TA-SU-313, H-13, HG-13 Messuhren-Halter Ø3/8 ", für TA-SU-313, H-13, HG-13 Dial indicator holder Ø3/8 ", for TA-SU-313, H-13, HG-13		■	■	
	LABC80.4 712 03 001	Dispositif de fixation pour comparateur, pour TA-SU-313 (Horizontal) Befestigungsvorrichtung für Messuhr, für TA-SU-313 (Horizontal) Holder for dial indicator (TA-SU-313), for TA-SU-313 (horizontal)		■	■	
	LABC80.6 712 03 002	Dispositif de fixation pour comparateur, pour HPA-14 (Horizontal) Befestigungsvorrichtung für Messuhr, für HPA-14 (Horizontal) Device for dial indicator for HPA-14, for HPA-14 (horizontal)		■	■	
	THV-200 712 12 038	Support inclinable Schwenkbarer Sockel Adjustable support	■			

			THV	HC3/HC4	HC5	LABCN
	LABC-TAB500 714 12 014	Table pour instruments horizontaux, étendue de mesure = 500 mm Tisch für Horizontale Längenmessgeräte, Messbereich = 500 mm Table for horizontal instruments, measuring range = 500 mm		■	■	
	LABC-TAB1000 714 12 015	Table pour instruments horizontaux, étendue de mesure = 1000 mm Tisch für Horizontale Längenmessgeräte, Messbereich = 1000 mm Table for horizontal instruments, measuring range = 1000 mm		■	■	
	LABC-TAB1500 714 12 016	Table pour instruments horizontaux, étendue de mesure = 1500 mm Tisch für Horizontale Längenmessgeräte, Messbereich = 1500 mm Table for horizontal instruments, measuring range = 1500 mm		■	■	
	TA-SE-301 279 901004 201	Jeu de piges pour mes. de filetages sur supports (18 pcs) ECO, Pas 0.25-5 mm, support Ø6.5 mm set ECO, Sans certificat Satz Gewindemessdrähte mit Haltern (18 stk.) ECO, Steigung 0.25-5 mm, Aufnahmebohrung Ø6.5 mm, Ohne Zertifikat Set of thread measuring wires with holders (18 pcs) ECO, Pitches 0.25-5 mm, holder bore Ø6.5 mm, Without certificate	■	■	■	■
	TA-SE-302 279 901004 101	Jeu de piges pour mes. de filetages sur supports (18 pcs), Pas 0.25-5 mm, support Ø6.5 mm, sans certificat SCS (±1 µm) Satz Gewindemessdrähte mit Haltern (18 stk.), Steigung 0.25-5 mm, Aufnahmebohrung Ø6.5 mm, ohne SCS-Zertifikat (±1 µm) Set of thread measuring wires with holders (18 pcs), Pitches 0.25-5 mm, holder bore Ø6.5 mm, without SCS-certificate (±1 µm)	■	■	■	■
	TA-SE-303 279 901004 301	Jeu de piges pour mes. de filetages sur supports (18 pcs), Pas 0.25-5 mm, support Ø6.5 mm, avec certificat SCS (±0.5 µm) Satz Gewindemessdrähte mit Haltern (18 stk.), Steigung 0.25-5 mm, Aufnahmebohrung Ø6.5 mm, mit SCS-Zertifikat (± 0.5 µm) Set of thread measuring wires with holders (18 pcs), Pitches 0.25-5 mm, holder bore Ø6.5 mm, with SCS-certificate (±0.5 µm)	■	■	■	■

			THV	HC3/HC4	HC5	LABCN
	TA-SE-304 279 901004 302	Jeu de piges pour mes. de filetages sur supports (18 pcs), Pas 0.25-5 mm, support Ø6.5 mm, avec certificat SCS (±0.3 µm) Satz Gewindemessdrähte mit Haltern (18 stk.), Steigung 0.25-5 mm, Aufnahmebohrung Ø6.5 mm, mit SCS-Zertifikat (± 0.3 µm) Set of thread measuring wires with holders (18 pcs), Pitches 0.25-5 mm, holder bore Ø6.5 mm, with SCS-certificate (±0.3 µm)	■	■	■	■
	TEL75 605 01 009	Jeu de touches en T à billes rubis Satz T-förmige Tastereinsätze mit Rubinkugel Set of T-shaped measuring inserts with ruby balls		■	■	■
	TEL76 605 01 004	Jeu de touches à bille rubis, pour diamètres int. >1 mm Satz Tastereinsätze mit Rubinkugel, für Innendurchmesser >1 mm Set of measuring inserts with ruby ball, for internal diameters >1 mm		■	■	■
	TULM40D.INT.UKAS 709 201 33	Bague-étalon, Ø40mm, avec certificat UKAS, U= (2s = 2.0) [µm] Eichring, Ø40mm, mit Prüfprot UKAS, U= (2s = 2.0) [µm] Reference-ring, Ø40mm with certif UKAS, U= (2s = 2.0) [µm]	■	■	■	■
	TA-MG-321 709 201 11	Bague-étalon Ø40 mm avec certificat SCS, U= (2s = 0,6 + 1.7 x L) [µm] Eichring Ø40 mm mit SCS-Zertifikat, U= (2s = 0,6 + 1.7 x L) [µm] Master ring gauge Ø40 mm with SCS certificate, U= (2s = 0,6 + 1.7 x L) [µm]		■	■	■
	TA-MG-322 709 201 31	Bague-étalon Ø40 mm avec certificat Metas, U= (2s = 0,07 + 0,3 x L) [µm] Eichring Ø40 mm mit Metas-Zertifikat, U= (2s = 0,07 + 0,3 x L) [µm] Master ring gauge Ø40 mm with Metas certificate, U= (2s = 0,07 + 0,3 x L) [µm]		■	■	■

			THV	HC3/HC4	HC5	LABCN
	TA-MG-311 709 201 01	Tampon-étalon Ø50 mm avec certificat SCS, U= (2s = 0,6 + 2.0 x L) [µm] Eichlehrdorn Ø50 mm mit SCS-Zertifikat, U= (2s = 0,6 + 2.0 x L) [µm] Master plug gauge Ø50 mm with SCS certificate, U= (2s = 0,6 + 2.0 x L) [µm]		■	■	■
	TA-MG-312 709 201 21	Tampon-étalon Ø50 mm avec certificat Metas, U= (2s = 0,2 + 0,1 x L) [µm] Eichlehrdorn Ø50 mm mit Metas-Zertifikat, U= (2s = 0,2 + 0,1 x L) [µm] Master plug gauge Ø50 mm with Metas certificate, U= (2s = 0,2 + 0,1 x L) [µm]		■	■	■
	TA-TO-302 514 02 20 0002	Rodoir pour touches (Ø39 mm) Läppscheibe (Ø39 mm) Lapping plate (Ø39 mm)		■	■	
	TA-TO-301 514 02 20 0001	Rodoir pour touches (Ø24 mm) Läppscheibe (Ø24 mm) Lapping plate (Ø24 mm)	■			■
	TA-TO-303 740 05 101	Set d'huiles de rodage pour touches Satz Läppöl für Messeinsätze Set of abrasive oil for probe lapping	■	■	■	■
	TA-TO-304 609 05 111	Outil de contrôle du parallélisme des touches Werkzeug für die Kontrolle der Messeinsatz-Parallelität Tool for checking of anvil's parallelism	■	■	■	■

			THV	HC3/HC4	HC5	LABCN
	TEL.HO500 505 05 10 0023	Housse de protection pour instruments 500 mm Schutzhaube für Längenmessgeräte 500 mm Protection cover for instruments 500 mm		■	■	■
	TEL.HO1000 505 05 10 0024	Housse de protection pour instruments 1000 mm Schutzhaube für Längenmessgeräte 1000 mm Protection cover for instruments 1000 mm		■	■	■
	TEL.HO1500 505 05 10 0025	Housse de protection pour instruments 1500 mm Schutzhaube für Längenmessgeräte 1500 mm Protection cover for instruments 1500 mm		■	■	■
	TEL.HO2000 505 05 10 0026	Housse de protection pour instruments 2000 mm Schutzhaube für Längenmessgeräte 2000 mm Protection cover for instruments 2000 mm		■	■	
	TEL.HO3000 505 05 10 0027	Housse de protection pour instruments 3000 mm Schutzhaube für Längenmessgeräte 3000 mm Protection cover for instruments 3000 mm		■		
	TA-DU-323 351 292 0014	Unité d'affichage Trimos pour Heidenhain et THV - Metro 1Vpp Anzeigeeinheit Trimos Fur Heidenhain und THV - Metro 1Vpp Display unit for Heidenhain and THV - Metro 1Vpp	■			

			THV	HC3/HC4	HC5	LABCN
	TELMA31 3706 0002	Pédale Fusspedal Foot pedal	■	■	■	■
	TA-EL-302 3706 0011	Pédale pour déplacement X du LABC Nano Fusspedal für X-Bewegung LABC Nano Foot pedal for X-movement LABC Nano				■
	TA-EL-041 358 0022	Joystick - RS Desktop USB Joystick - RS Desktop USB Joystick - RS Desktop USB		■	■	■
	TVM.O-PC/AT.9P 333 9 0003	Câble Opto-PC / AT 9 P/F 2 m Kabel Opto-PC / AT 9 P/W 2 m Cable Opto-PC / AT 9 P/F 2 m		■	■	
	TA-EL-015 333 9 0106	USB Proximity cable pour Indicateur Digital avec alimentation USB Proximity cable for Digital Indicator with Power Supply USB Proximity cable for Digital Indicator with Power Supply		■	■	
	TA-EL-011 358 0006	Convertisseur USB-RS232 USB-RS232 Konverter USB-RS232 Converter		■	■	■

			THV	HC3/HC4	HC5	LABCN
	TA-EL-030 356 0016	Imprimante à jet d'encre (USB) Tintenstrahl-Drucker (USB) Inkjet printer (USB)		■	■	■
	TA-EL-001 332 10 0011	Câble d'alimentation, 2 pôles, Europe Netzkabel, 2-polig, Europa Power cable, 2 poles, Europe	■	■	■	■
	TA-EL-002 332 10 0013	Câble d'alimentation, 2 pôles, USA/Japon Netzkabel, 2-polig, USA/Japan Power cable, 2 poles, USA/Japan	■	■	■	■
	TA-EL-003 332 10 0016	Câble d'alimentation, 2 pôles, Australie Netzkabel, 2-polig, Australien Power cable, 2 poles, Australia	■	■	■	■
	TA-EL-004 332 10 0014	Câble d'alimentation, 2 pôles, Grande Bretagne Netzkabel, 2-polig, UK Power cable, 2 poles, UK	■	■	■	■
	TA-EL-005 616 20 003	Câble d'alimentation, 2 pôles, Corée Netzkabel, 2-polig, Korea Power cable, 2 poles, Korea	■	■	■	■

			THV	HC3/HC4	HC5	LABCN
	BAT-TVM.OPTO 3705 0002	Pile CR2032 Batterie CR2032 Lithium Cell CR2032		■	■	
	TEMP-TRIMOS 2 709 50 001	Système de comp. en temp. pour laboratoire, avec logiciel WinComp et 2 sondes de température Temperatur-Kompensationssytem für Labor, mit WinComp und 2 Temperatur Fühler Temperature compensation system for laboratory, with WinComp and 2 temperature sensors		■	■	
	TEMPCOMP-B 609 50 001	Système de compensation en température, avec WinComp et 2 sondes Temperatur-Kompensationssytem, mit WinComp und 2 Temperaturfühler Temperature compensation system, with WinComp and 2 temperature sensors		■	■	
	TEMPCOMP-BN 609 50 010					■
	TEMPCOMP-P2 609 50 002	Système de compensation en température, avec WinComp et 3 sondes de température Temperatur-Kompensationssytem, mit WinComp und 3 Temperaturfühler Temperature compensation system, with WinComp and 3 temperature sensors		■	■	
	TEMPCOMP-P3 609 50 018	Système de compensation en température, avec WinComp et 4 sondes de température Temperatur-Kompensationssytem, mit WinComp und 4 Temperaturfühler Temperature compensation system, with WinComp and 4 temperature sensors		■	■	

			THV	HC3/HC4	HC5	LABCN
	TEMPCOMP-PN3 609 50 013	Système de comp. en temp. pour laboratoire, avec logiciel WinComp et 4 sondes de température Temperatur-Kompensationssytem für Labor, mit WinComp und 4 Temperatur Fühler Temperature compensation system for laboratory, with WinComp Advanced and 4 temperature sensors				■
	TEMPCOMP-PN1-4-DKD 609 50 015	Système de comp. en temp. pour laboratoire, avec logiciel WinComp et 4 sondes de température Temperatur-Kompensationssytem für Labor, mit WinComp und 4 Temperatur Fühler Temperature compensation system for laboratory, with WinComp Advanced and 4 temperature sensors				■
	TEMPCOMP-PN3-4 609 50 016	Système de comp. en temp. pour laboratoire, avec logiciel WinComp et 3 sondes de température Temperatur-Kompensationssytem für Labor, mit WinComp und 3 Temperatur Fühler Temperature compensation system for laboratory, with WinComp Advanced and 3 temperature sensors				■
	TEMPCOMP-PA 609 50 003	Système de comp. en temp. pour laboratoire, avec logiciel WinComp Advanced et 9 sondes, (7x température, 1x humidité, 1x pression) Temperatur-Kompensationssytem für Labor, mit WinComp Advanced und 9 Fühler, (7x Temperatur, 1x Feuchte, 1x Luftdruck) Temperature compensation system for laboratory, with WinComp Advanced and 9 sensors, (7x temperature, 1x humidity, 1x pressure)		■	■	
	TEMPCOMP-PA-DKD 609 50 004	Système de comp. en temp. pour laboratoire, avec logiciel WinComp Advanced et 9 sondes, (7x température, 1x humidité, 1x pression), Certificat DKD Temperatur-Kompensationssytem für Labor, mit WinComp Advanced und 9 Fühler, (7x Temperatur, 1x Feuchte, 1x Luftdruck), DKD Kertificat Temperature compensation system for laboratory, with WinComp Advanced and 9 sensors, (7x temperature, 1x humidity, 1x pressure), DKD certificate		■	■	
	TEMPCOMP-PAN-DKD 609 50 012	Système de comp. en temp. pour laboratoire, avec logiciel WinComp Advanced et 8 sondes, (6x température, 1x humidité, 1x pression) Temperatur-Kompensationssytem für Labor, mit WinComp Advanced und 8 Fühler, (6x Temperatur, 1x Feuchte, 1x Luftdruck) Temperature compensation system for laboratory, with WinComp Advanced and 8 sensors, (6x temperature, 1x humidity, 1x pressure)				■

			THV	HC3/HC4	HC5	LABCN
	TA-EL-331 740 16 002	Alim. ext. pour affichage force HP/LABC Ext. Stromversorg. für Kraftanzeige HP/LABC Ext. power supply for force display HP/LABC		■	■	
QMSOFT®	QM-MANAG 394 1 3201	Logiciel de gestion des moyens de mesure Prüfmittelmanagement-Software Gauge management software	■	■	■	■
QMSOFT®	QM-CALIP 394 1 3202	Module pour le contrôle de pieds à coulisse Modul für die Prüfung von Messschiebern Module for inspection of calipers		■	■	■
QMSOFT®	QM-DIAL 394 1 3203	Module pour le contrôle de comparateurs Modul für die Prüfung von Messuhren Module for inspection of dial gauges	■	■	■	■
QMSOFT®	QM-MICRO 394 1 3204	Module pour le contrôle de micromètres Modul für die Prüfung von Messschrauben Module for inspection of micrometers		■	■	■
QMSOFT®	QM-PIN 394 1 3205	Module pour le contrôle de piges Modul für die Prüfung von Prüfstiften Module for inspection inspection of pins	■	■	■	■

			THV	HC3/HC4	HC5	LABCN
QMSOFT®	QM-PLAIN 394 1 3206	Module pour le contrôle de jauges lisses, Tampons, bagues lisses, calibres-mâchoires Modul für die Prüfung von glatten Lehren, Lehrdorne, Lehrringe, Rachenlehren Module for inspection of plain gauges, Plug gauges, ring gauges, snap gauges	■	■	■	■
QMSOFT®	QM-BORE 394 1 3207	Module pour le contrôle de vérificateurs d'alésages à 2 points Modul für die Prüfung von 2-Punkt-Innenmessgeräten Module for inspection of bore gauges with 2-Point contact		■	■	■
QMSOFT®	QM-BLOCK 394 1 3210	Module pour le contrôle de cales-étalons Modul für die Prüfung von Parallelendmassen Module for inspection of gauge blocks	■	■	■	■
QMSOFT®	QM-THREAD 394 1 3212	Module pour le contrôle de filetages cylindriques Modul für die Prüfung von Gewindelehren Module for inspection of thread gauges	■	■	■	■
QMSOFT®	QM-TAPERTHREAD 394 1 3214	Module pour le contrôle de filetages coniques Modul für die Prüfung von kegligen Gewindelehren Module for inspection of taper thread gauges		■	■	■
QMSOFT®	QM-SPLINE 394 1 3213	Module pour contrôle d'engrenages et cannelures Modul für die Prüfung von Verzahnungslehren Module for inspection of spline gauges		■	■	■

			THV	HC3/HC4	HC5	LABCN
QMSOFT®	QM-THREAD STARTER 394 1 3222	Starter Module pour le contrôle de filetages cylindriques Starter Modul für die Prüfung von Gewindelehren Starter Module for inspection of thread gauges	■	■	■	■
QMSOFT®	QM-TAPERTHREAD STARTER 394 1 3224	Starter Module pour le contrôle de filetages coniques Starter Modul für die Prüfung von kegligen Gewindelehren Starter Module for inspection of taper thread gauges		■	■	■
QMSOFT®	QM-PACK-1 394 1 3250	Starter package comprenant:, QM-MANAG Light, QM-THREAD Starter, QM-PLAIN, Pas d'extention possible Starter-Paket Bestehend aus :, QM-MANAG Light, QM-THREAD Starter, QM-PLAIN, Keine Erweiterung möglich Starter package including , QM-MANAG Light, QM-THREAD Starter, QM-PLAIN, no extension available	■	■	■	■
QMSOFT®	QM-PACK-2 394 1 3251	Standard package comprenant:, QM-MANAG, QM-PLAIN, QM-THREAD, QM-DIAL, QM-CALIP, QM-MICRO Standard-Paket bestehend aus:, QM-MANAG, QM-PLAIN, QM-THREAD, QM-DIAL, QM-CALIP, QM-MICRO Standard package including:, QM-MANAG, QM-PLAIN, QM-THREAD, QM-DIAL, QM-CALIP, QM-MICRO	■	■	■	■
QMSOFT®	QM-PACK-3 394 1 3255	Starter package comprenant:, QM-TTAP Starter, QM-THREAD Starter, QM-PLAIN, Pas d'extention possible Starter-Paket Bestehend aus :, QM-TTAP Starter, QM-THREAD Starter, QM-PLAIN, Keine Erweiterung möglich Starter package including , QM-TTAP Starter, QM-THREAD Starter, QM-PLAIN, no extension available	■	■	■	■
QMSOFT®	QM-PACK-4 394 1 3256	"Hand Tool" package comprenant:, QM-MANAG, QM-DIAL, QM-MICRO, QM-CALIP "Hand Tool" Paket Bestehend aus :, QM-MANAG, QM-DIAL, QM-MICRO, QM-CALIP "Hand Tool" package including , QM-MANAG, QM-DIAL, QM-MICRO, QM-CALIP	■	■	■	■