HORIZON + Granite



HORIZON + Granite

INTRODUCTION

The «Horizon» instruments respond to the current requirements for quality inspection in manufacturing areas. They allow a quick, precise checking and setting.

The instruments are perfect for setting all kinds of comparative measuring equipment and for checking length, internal and external diameters, thread gauges etc.

The new innovative concept with incorporated measuring system and display unit ensures excellent results by easy manipulation and is the answer to various demands in the field of production. Simplicity of use is an additional valuable advantage.

The instrument range comprises several models, from 500 mm up to 2000 mm (Granite 3000 - 8000 mm). A wide selection of easy interchangeable accessories completes the application possibilities.

- IDEAL FOR USE IN THE WORKSHOP AREA
- VERY SIMPLE MANIPULATION
- PRECISE CHECKING AND SETTING MADE EASY
- SELF-CONTAINED OPERATION OF APPROX. 100 HOURS
- WIDE SELECTION OF ACCESSORIES

DESCRIPTION

HORIZON



HORIZON GRANITE



HORIZON + Granite

DISPLAY / SOFTWARE

HORIZON

- SELECTION OF VALUE: NORMAL / MIN / MAX
- ZERO SETTING OF THE DISPLAY AND PRESET INPUT
- RS232 DATA OUTPUT
- TWO REFERENCES
- SELECTION OF THE RESOLUTION 0.01 MM - 0.001 MM
- SELECTION OF MEASURING UNIT MM/INCH (DIRECT CONVERSION)





sylvac system



HORIZON GRANITE
Heidenhain ND287 or ND1100

- LINEAR MEASUREMENT DISPLAY AND MIN. / MAX. VALUE HOLD
- DIGITAL DISPLAY
- ZERO SETTING OF THE DISPLAY AND PRESET INPUT
- PARAMETER SETTINGS
- INITIALIZATION OF THE DISPLAY USING EXTERNAL FUNCTION
- RS232 DATA OUTPUT



Heidenhain ND287



Heidenhain ND1100



PC with software WinDHI

- GRAPHIC HELP FOR MEASURING FUNCTIONS
- SELECTION OF THE MEASURING UNIT MM / INCH
- DIRECT DISPLAY OF ALL LENGTH MEASURING VALUES AND MIN. / MAX. VALUE HOLD
- INPUT OF 9 PRESET VALUES
- INVERSION OF MEASURING DIRECTION SIGN (+/-)
- DATA TRANSFER USING A FOOT PEDAL





TECHNICAL SPECIFICATIONS

Horizon		H501	H1001	H1501	H2001
Measuring range	mm (in)	520 (20)	1020 (40)	1520 (60)	2020 (80)
Max. permissible errors [1)]	µm	2.5 + L/300			
Repeatability (2s) [1)]	µm	1			
Resolutions	mm (in)	0.01/0.001 (.0001 / .00005)			
Max. displacement speed	mm / s	1500			
Measuring force	N	3			
Autonomy	h	100			
Interface		RS232			
Operational temperature	°C	+10 ÷ +40			
Temperature of storage	°C	-10 ÷ +40			
Weight	Kg	94	126	158	190

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

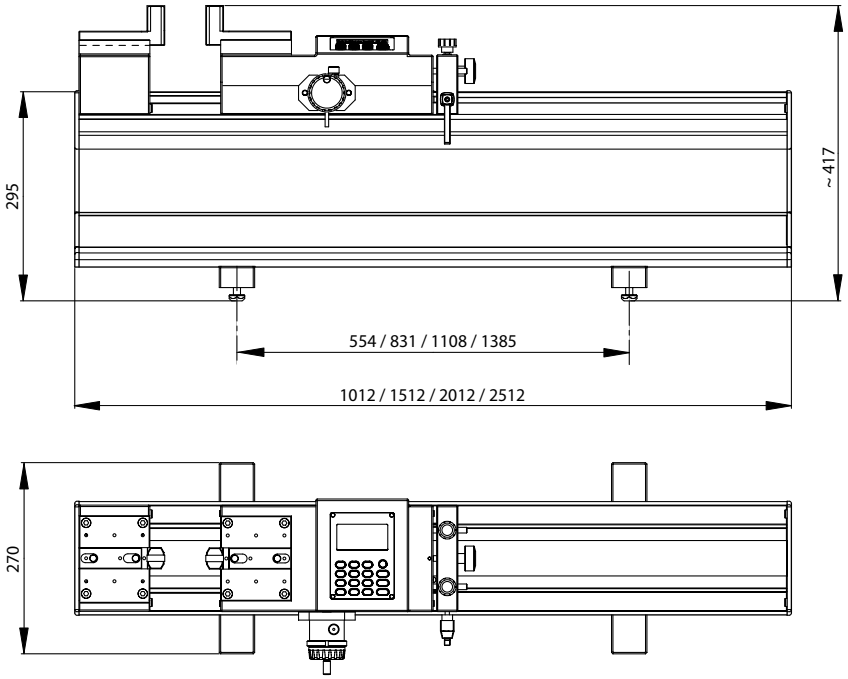
Horizon Granite		HG3000	HG4000	HG5000	HG6000	HG8000
Measuring range	mm (in)	3000 (118)	4000 (157)	5000 (196)	6000 (236)	8000 (315)
Max. permissible errors [1)]	µm	0.7 + L/750				
Repeatability (2s) [1)]	µm	0.5				
Resolutions	mm (in)	0.01 / 0.001 / 0.0001 (.001 / .0001 / .00001)				
Max. displacement speed	mm / s	2000				
Measuring force	N	3				
Interfaces		RS232/USB				
Operational temperature	°C	+10 ÷ +40				
Temperature of storage	°C	-10 ÷ +40				
Relative humidity	%	20 ÷ 80				
Weight	Kg	1060	1980	3200	3700	4600

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

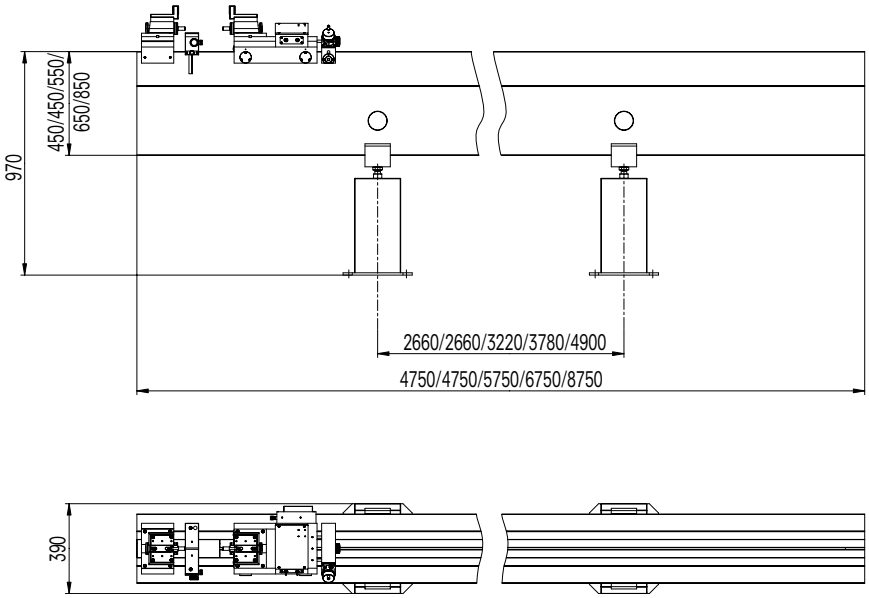
HORIZON + Granite

SCHEMA

HORIZON



HORIZON GRANITE



STANDARD INSTRUMENT

The Horizon instruments are supplied as follows:
Instrument according to specifications
Pair of parallel attachments 25 mm (TEL5)
Universal AC adapter (TA-EL-131)
Protection cover (TEL.HO500 / 1000 / 1500 / 2000)
Allen key set (TA-TO-004)
User's manual (750 50 0005 03)
Test certificate

The Horizon Granite instruments are supplied as follows:
Instrument according to specifications
Pair of anvils with tungsten carbide surface (TEL1)
Lapping plate (TA-TO-302)
Protection cover (TEL.HO3000 / 4000 / 5000 / 6000 / 8000)
Compressed air tubing and air filter
Allen key set (TA-TO-004)
User's manual (750 50 0003 03)
Test certificate

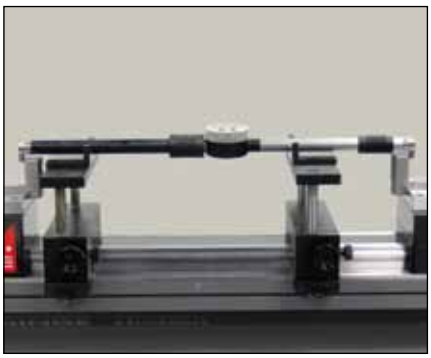
CODE NUMBERS

Horizon	
H501 700 201 10 02	Measuring range 500 mm
H1001 700 201 20 02	Measuring range 1000 mm
H1501 700 201 30 02	Measuring range 1500 mm
H2001 700 201 40 02	Measuring range 2000 mm

Horizon Granite	
HG3000 700 208 60 11	Measuring range 3000 mm
HG4000 700 208 70 11	Measuring range 4000 mm
HG5000 700 208 80 11	Measuring range 5000 mm
HG6000 700 208 90 11	Measuring range 6000 mm
HG8000 700 208 110 11	Measuring range 8000 mm

HORIZON + Granite

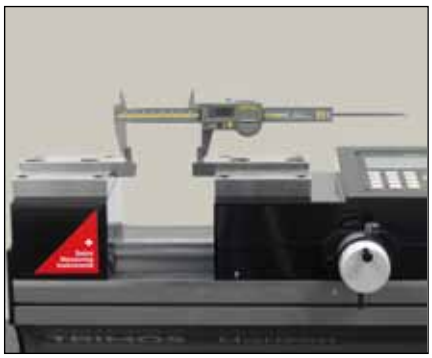
APPLICATIONS



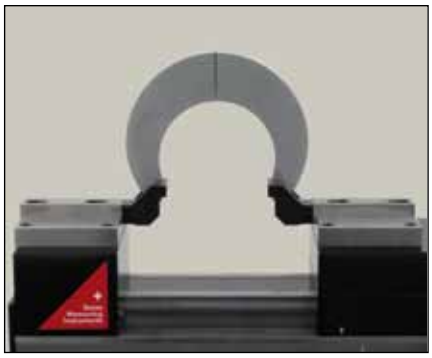
Setting of 2-point internal and external comparative measuring equipment (TEL5 / TELMA7 / TELMN7.2)



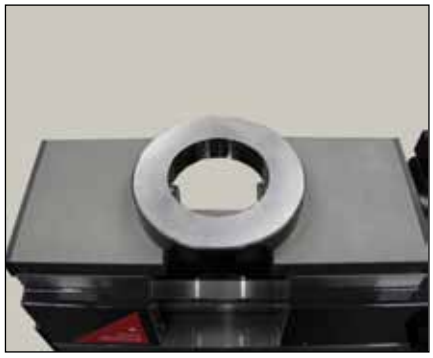
Setting of 2-point bore gauges (TEL5 / TA-SU-301)



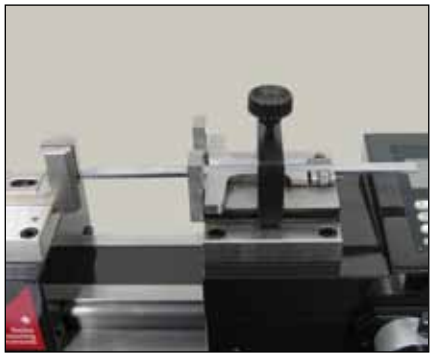
Checking of calipers (TEL5.10)



Checking of snap gauges (TELMA8)



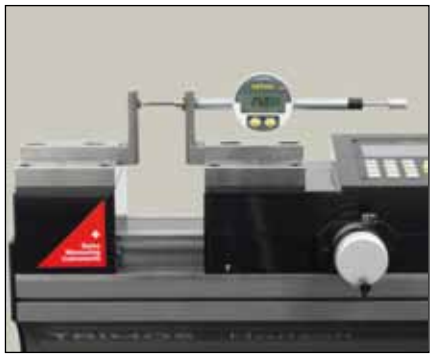
Checking of internal diameter of heavy rings (TEL9 / H-5)



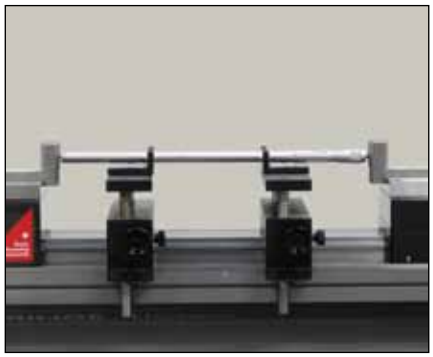
Checking of depth gauges (TULM19 / TEL5)



Checking of external micrometers (TEL5 / TEL11)



Checking of dial indicators (TEL5CN)



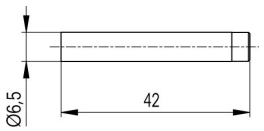
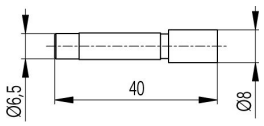
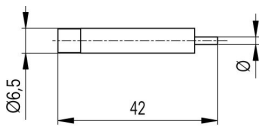
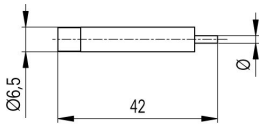
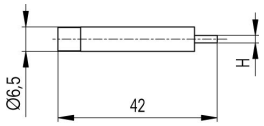
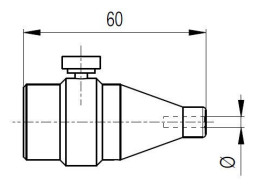
Checking of 2-point internal micrometers (TEL5 / TELMA7 / TELMN7.2)

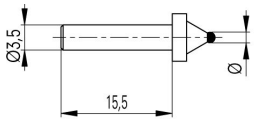
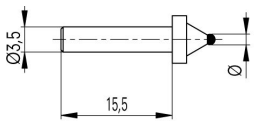
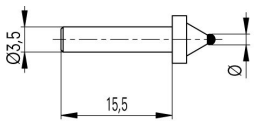
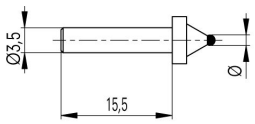
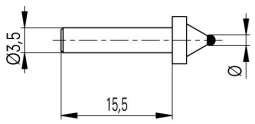
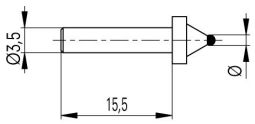
TRIMOS

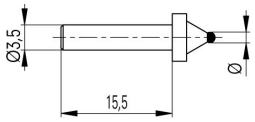
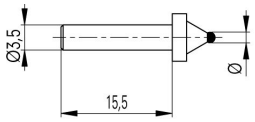
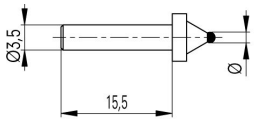
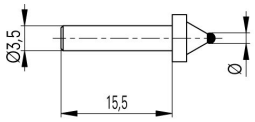
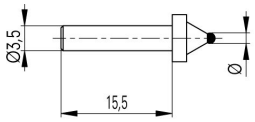
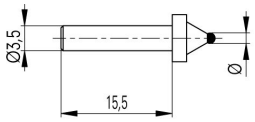
Accessoires | Zubehör | Accessories

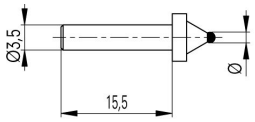
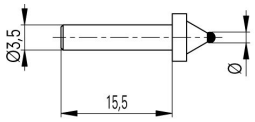
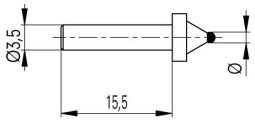
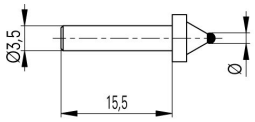
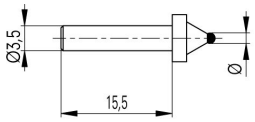
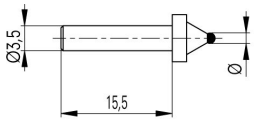
TELS / HS3 / HS4 / HS5 / HS6 / HS8

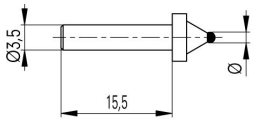
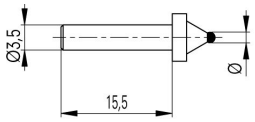
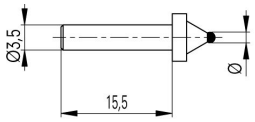
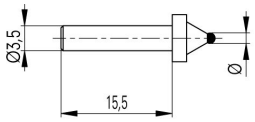
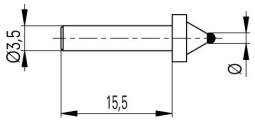
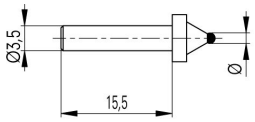
Swiss Measuring Instruments

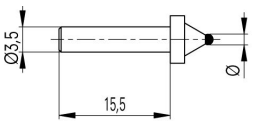
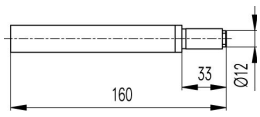
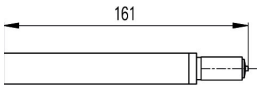
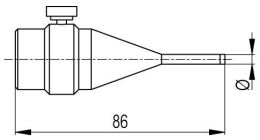
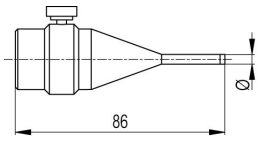
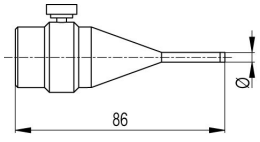
			TELS	HS3	HS4/HS5	HS6	HS8
	**TELS50** 609 05 044	Paire de touches de mesure Ø6.5 mm Paar Messeinsätze Ø6.5 mm Pair of measuring anvils Ø6.5 mm	■			■	
	**TELS52** 609 05 047	Paire de touches de mesure Ø8 mm Paar Messeinsätze Ø8 mm Pair of measuring anvils Ø8 mm	■			■	
	**TELS53** 609 05 048	Paire de touches 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				■	■

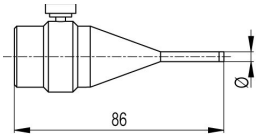
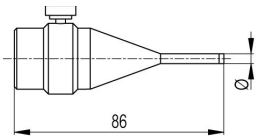
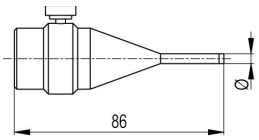
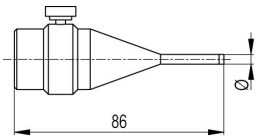
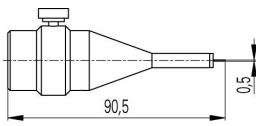
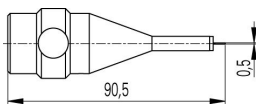
			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-MI-301** 279 901008 001	Touche à bille Ø1.00 mm Kugel-Messeinsatz Ø1.00 mm Ball probe Ø1.00 mm	■				
	**TA-MI-302** 279 901008 002	Touche à bille Ø1.250 mm Messeinsatz Ø1.25 mm Ball probe Ø1.25 mm	■				
	**TA-MI-303** 279 901008 003	Touche à bille Ø1.50 mm Messeinsatz Ø1.50 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	■				

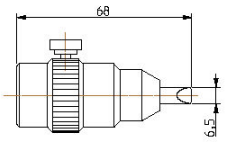
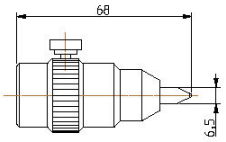
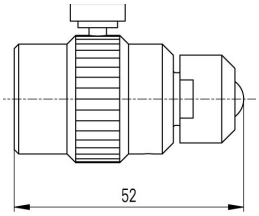
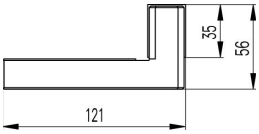
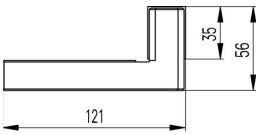
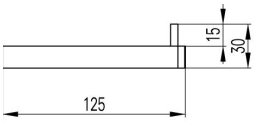
			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-MI-307** 279 901008 007	Touche à bille Ø2.20 mm Messeinsatz Ø2.20 mm Ball probe Ø2.20 mm	■				
	**TA-MI-308** 279 901008 008	Touche à bille Ø2.25 mm Messeinsatz Ø2.25 mm Ball probe Ø2.25 mm	■				
	**TA-MI-309** 279 901008 009	Touche à bille Ø2.50 mm Messeinsatz Ø2.50 mm 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	■				

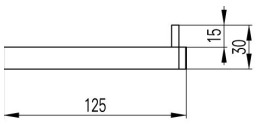
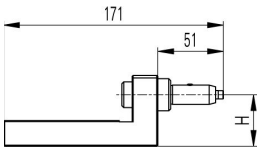
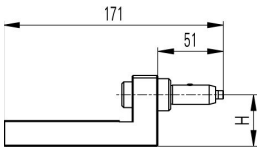
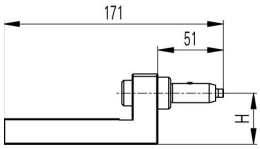
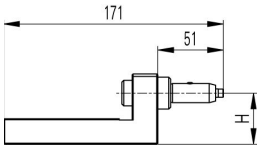
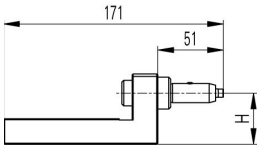
			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-MI-313** 279 901008 013	Touche à bille Ø3.25 mm Messeinsatz Ø3.25 mm Ball probe Ø3.25 mm	■				
	**TA-MI-314** 279 901008 014	Touche à bille Ø3.50 mm Messeinsatz Ø3.50 mm Ball probe Ø3.50 mm	■				
	**TA-MI-315** 279 901008 015	Touche à bille Ø3.70 mm Messeinsatz Ø3.70 mm 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	■				

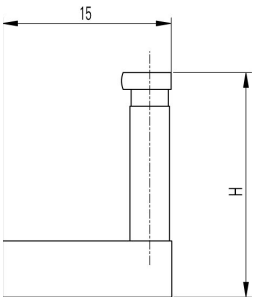
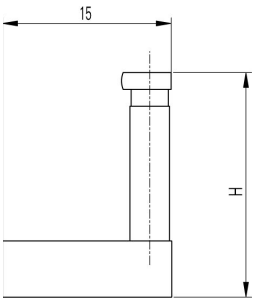
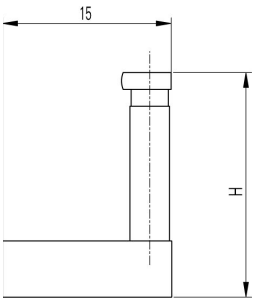
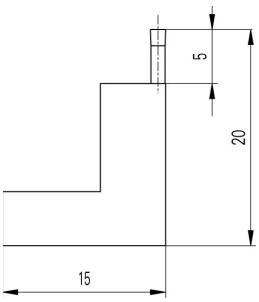
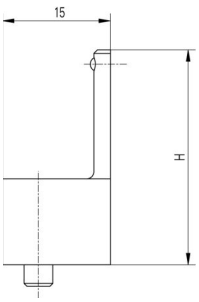
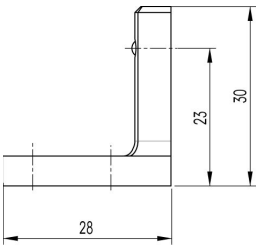
			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-MI-319** 279 901008 019	Touche à bille Ø5.50 mm Messeinsatz Ø5.50 mm Ball probe Ø5.50 mm	■				
	**TA-MI-320** 279 901008 020	Touche à bille Ø6.00 mm Messeinsatz Ø6.00 mm Ball probe Ø6.00 mm	■				
	**TA-MI-321** 279 901008 021	Touche à bille Ø6.50 mm Messeinsatz Ø6.50 mm 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	■				

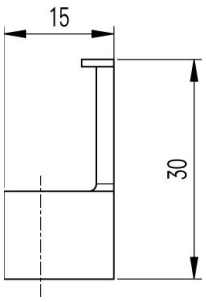
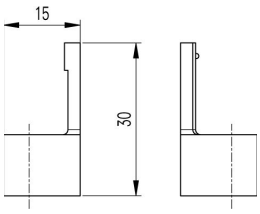
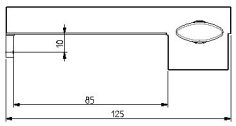
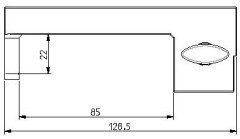
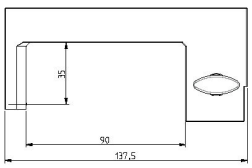
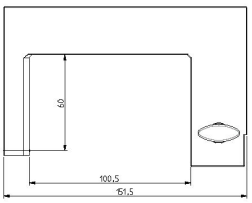
			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-MI-325** 279 901008 025	Touche à bille Ø10.00 mm Messeinsatz Ø10.00 mm Ball probe Ø10.00 mm	■				
	**HPA-1** 609 05 017	Paire de touches standard Paar Standard Messaufsätze Pair of standard anvils			■	■	
	**TA-MI-350** 609 05 105	Paire de touches avec rayon 15 mm pour cales-étalons Paar Messaufsätze Radius 15 mm für Endmasse Pair of anvils with radius 15 mm for gauge block				■	
	**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				■	■

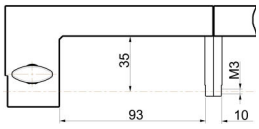
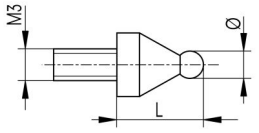
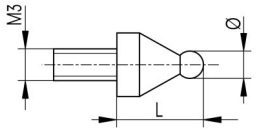
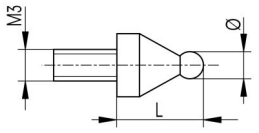
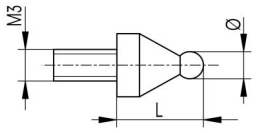
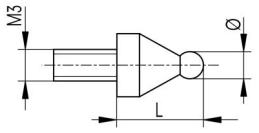
			TELS	HS3	HS4/HS5	HS6	HS8
	**TEL6/6.35** 609 05 079	Paire de touches Ø6.35 mm Paar Tasteraufsätze Ø6.35 mm Pair of anvils Ø6.35 mm				■	■
	**TEL6/6.8** 609 05 080	Paire de touches Ø6.8 mm Paar Tasteraufsätze Ø6.8 mm Pair of anvils Ø6.8 mm				■	■
	**TEL6/8** 609 05 081	Paire de touches Ø8 mm Paar Tasteraufsätze Ø8 mm Pair of anvils Ø8 mm				■	■
	**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)				■	■

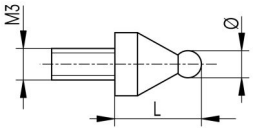
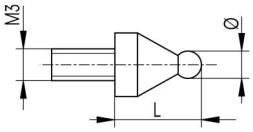
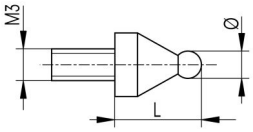
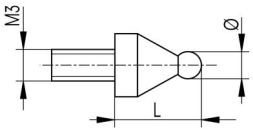
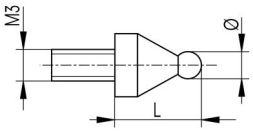
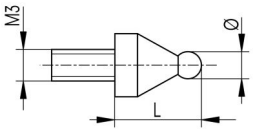
			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-MI-361** 609 05 119	Paire de touches à couteau 1 mm, pour mesure de diamètre externe, (couteaux en position verticale) Paar schneideförmige Tasteraufsätze 1 mm, für Aussendurchmesser-Messung, (Schneiden in vertikaler Position) Pair of a knife-shaped anvils 1 mm, for external 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				■	■
	**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"		■	■	■	■
	**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		■	■	■	■

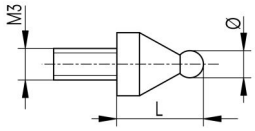
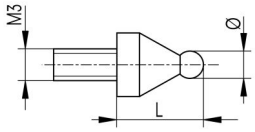
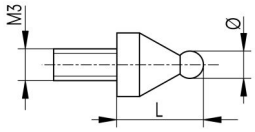
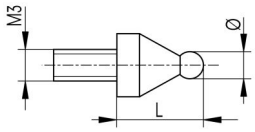
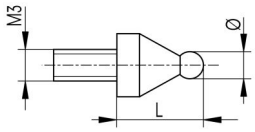
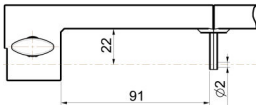
			TELS	HS3	HS4/HS5	HS6	HS8
	**TEL5.10E** 612 12 007	Butées avec cale-étalon .2 ", pour mesures ext. dès .8 " Paar Parallel-Aufsätze .2 ", für Aussenmessung ab .8 " Pair of parallel attachments .2 ", for ext. measurement from .8 "		■	■	■	■
	**TELMA5.0** 609 05 005	Paire de supports avec touches TELS50, H=40 mm Paar Halter mit Messeinsatz TELS50, H=40 mm Pair of holders with measuring inserts TELS50, H=40 mm		■	■	■	
	**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		■	■	■	

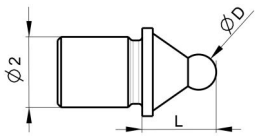
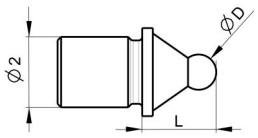
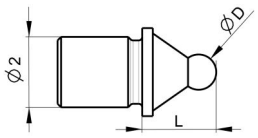
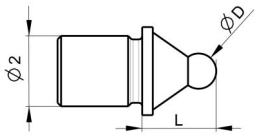
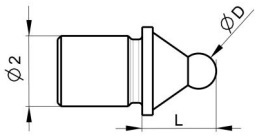
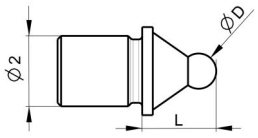
			TELS	HS3	HS4/HS5	HS6	HS8
	**TELS10** 609 05 042	Paire de touches mesures int. >Ø10, H=20 mm Paar Messaufsätze Innenmess. >Ø10, H=20 mm Pair of inserts for int. meas. >Ø10, H=20 mm	■				
	**TELS10/H50** 609 05 043	Paire de touches mesures int. >Ø10, H=50 mm Paar Messaufsätze Innenmess. >Ø10, H=50 mm Pair of inserts for int. meas. >Ø10, H=50 mm	■				
	**TELS10/H35** SP609 05 043 01	Paire de touches mesures int. >Ø10, H=35 mm Paar Messaufsätze Innenmess. >Ø10, H=35 mm Pair of inserts for int. meas. >Ø10, H=35 mm	■				
	**TELS10/1.5C** SP609 05 070 01	Paire de touches mesures int. >Ø3 mm Paar Messaufsätze Innenmess. >Ø3 mm Pair of inserts for int. meas. >Ø3 mm	■				
	**TELS11** 609 05 058	Paire de touches mesures int. >Ø6, H=28 mm Paar Messaufsätze Innenmess. >Ø6, H=28 mm Pair of inserts for int. meas. >Ø6, H=28 mm	■				
	**TELS11.1** 609 05 103	Paire de touches mesures int. >Ø13, H=26 mm Paar Messaufsätze Innenmess. >Ø13, H=26 mm Pair of inserts for int. meas. >Ø13, H=26 mm	■				

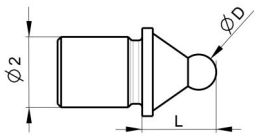
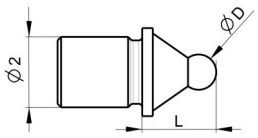
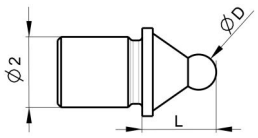
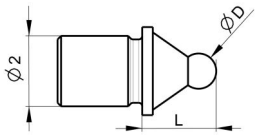
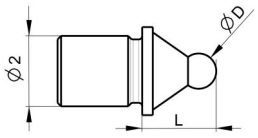
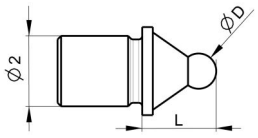
			TELS	HS3	HS4/HS5	HS6	HS8
	**TELS12** 609 05 060	Paire de touches mesures int. >Ø11, H=30 mm Paar Messaufsätze Innenmess. >Ø11, H=30 mm Pair of inserts for int. meas. >Ø11, H=30 mm	■				
	**TELS13** 609 05 033	Paire de touches plat-bille Paar Messeinsätze flach-Kugel Pair of measuring inserts flat-ball	■				
	**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				■	

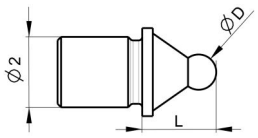
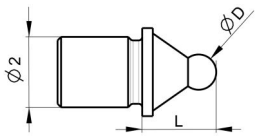
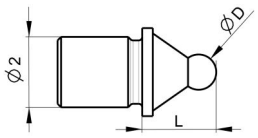
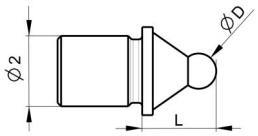
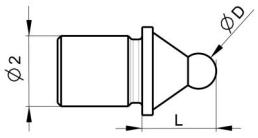
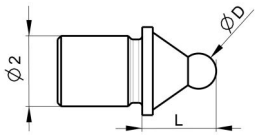
			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-MI-372/SP04** SP609 05 116 04	Jeux de touches coudées, H=35 mm, L=90 mm avec M3, pour Ø >38 mm Set Messbügel, H=35 mm, L=90 mm mit M3, für Ø >38 mm Set of L-shaped probes, H=35 mm, L=90 mm with M3, for Ø >38 mm				■	
	**TEL77.100** 279 901009 001	Paire de touches à bille Ø1.00 mm Paar Messeinsätze mit Kugel Ø1.00 mm Pair of measuring inserts with ball Ø1.00 mm				■	
	**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				■	

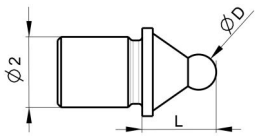
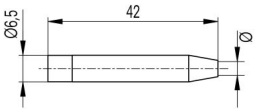
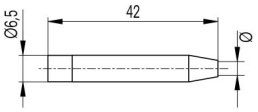
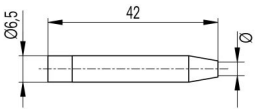
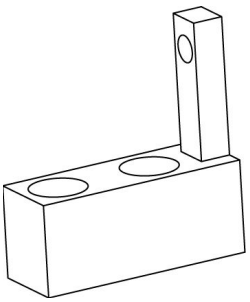
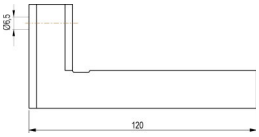
			TELS	HS3	HS4/HS5	HS6	HS8
	**TEL77.250** 279 901009 004	Paire de touches à bille Ø2.50 mm Paar Messeinsätze mit Kugel Ø2.50 mm Pair of measuring inserts with ball Ø2.50 mm				■	
	**TEL77.300** 279 901009 005	Paire de touches à bille Ø3.00 mm Paar Messeinsätze mit Kugel Ø3.00 mm Pair of measuring inserts with ball Ø3.00 mm				■	
	**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				■	

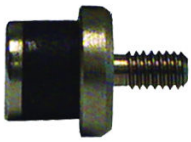
			TELS	HS3	HS4/HS5	HS6	HS8
	**TEL77.550** 279 901009 012	Paire de touches à bille Ø5.50 mm Paar Messeinsätze mit Kugel Ø5.50 mm Pair of measuring inserts with ball Ø5.50 mm				■	
	**TEL77.600** 279 901009 013	Paire de touches à bille Ø6.00 mm Paar Messeinsätze mit Kugel Ø6.00 mm Pair of measuring inserts with ball Ø6.00 mm				■	
	**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				■	

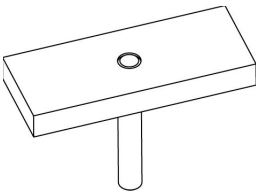
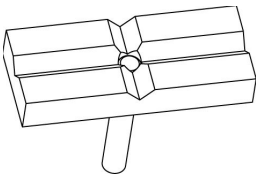
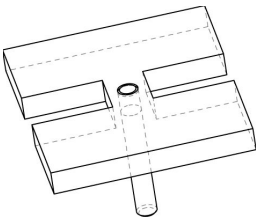
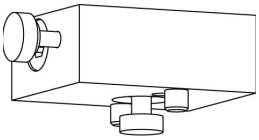
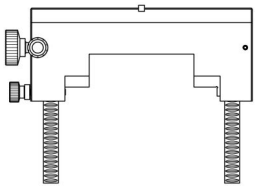
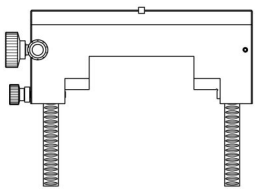
			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-MI-3401** SP609 05 115 017	Paire de touches à bille Ø0,50 mm Paar Taster Ø0,50 mm Set of anvils Ø0,50 mm				■	
	**TA-MI-3402** SP609 05 115 024	Paire de touches à bille Ø2,70 mm Paar Taster Ø2,70 mm Set of anvils Ø2,70 mm				■	
	**TA-MI-3403** SP609 05 115 018	Paire de 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				■	

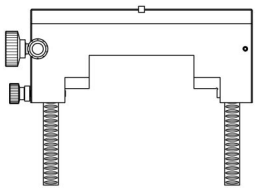
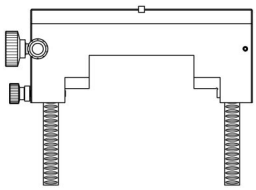
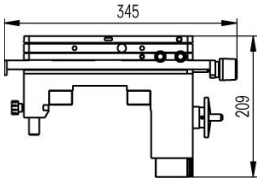
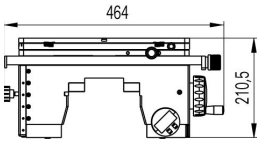
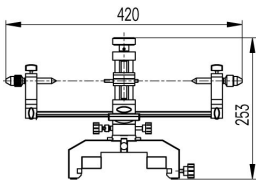
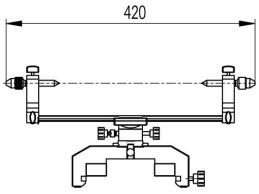
			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-MI-3407** SP609 05 115 021	Paire de touches à bille Ø1,38 mm Paar Taster Ø1,38 mm Set of anvils Ø1,38 mm				■	
	**TA-MI-3408** SP609 05 115 010	Paire de touches à bille Ø1,50 mm Paar Taster Ø1,50 mm Set of anvils Ø1,50 mm				■	
	**TA-MI-3409** SP609 05 115 011	Paire de 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				■	

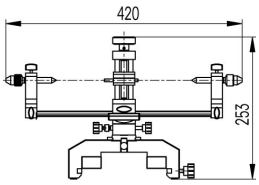
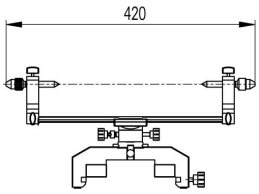
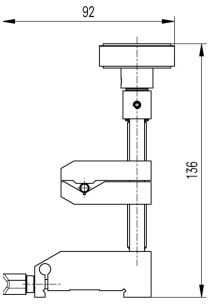
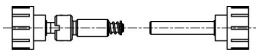
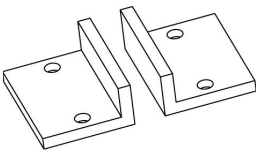
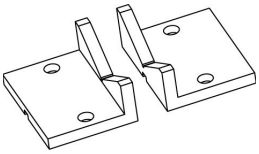
			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-MI-3413** SP609 05 115 013	Paire de touches à bille Ø2,50 mm Paar Taster Ø2,50 mm Set of anvils Ø2,50 mm				■	
	**TA-MI-3414** SP609 05 115 014	Paire de touches à bille Ø2,65 mm Paar Taster Ø2,65 mm Set of anvils Ø2,65 mm				■	
	**TA-MI-3415** SP609 05 115 023	Paire de 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				■	

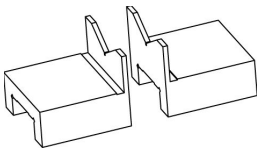
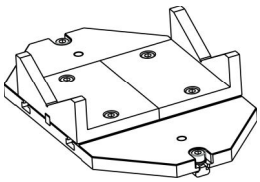
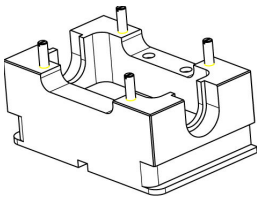
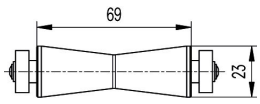
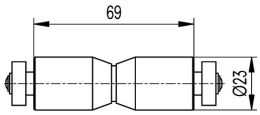
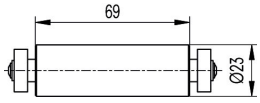
			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-MI-3419** SP609 05 115 028	Paire de touches à bille Ø5,00 mm Paar Taster Ø5,00 mm Set of anvils Ø5,00 mm				■	
	**TELS51** 509 05 20 0027	Support pour touches M2.5 Tasterhalter für Messeinsätze M2.5 Holder for measuring inserts M2.5	■				
	**TELS51E** 509 05 20 0028	Support 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	■				
	**TELS18** 612 11 031	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				■	

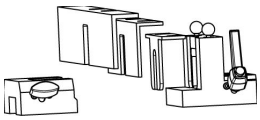
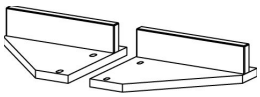
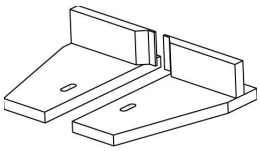
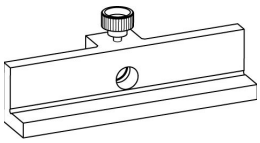
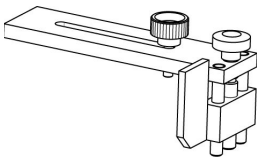
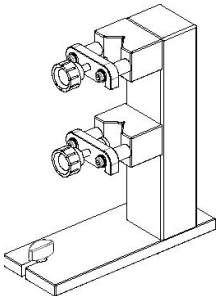
			TELS	HS3	HS4/HS5	HS6	HS8
	**P25** 276 950000 001	Palpeur électronique 25 mm Elektronischer Messtaster 25 mm Electronic probe 25 mm	■				
	**P25TA** 276 950001 001	Palpeur électronique P25 avec touche aimantée Messtaster P25 mit magnetischem Kontakteinsatz Electronic probe P25 with magnetic insert	■				
	**P25TA.C** 276 950001 002	Palpeur électronique P25 avec touche aimantée, avec certificat Messtaster P25 mit magnetischem Kontakteinsatz, mit Zertifikat Electronic probe P25 with magnetic insert, with certificate	■				
	**P25TA.1** 279 950001 001	Touche aimantée pour palpeur Sylvac Magnetischer Kontakteinsatz für Sylvac-Taster Magnetic insert for Sylvac probe	■				
	**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	■				

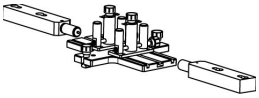
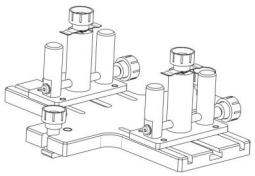
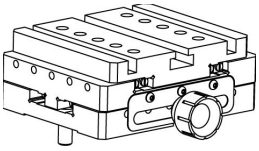
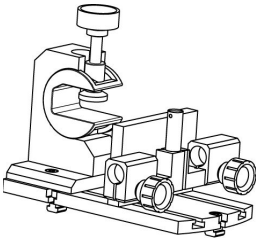
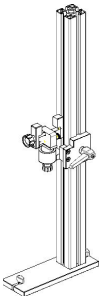
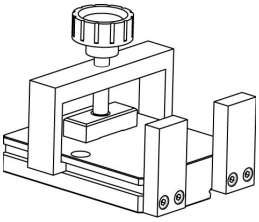
			TELS	HS3	HS4/HS5	HS6	HS8
	**TELS5.1** 602 33 004	Plateau Auflageplatte Plate	■				
	**TELS5.2** 602 33 003	Plateau à rainures en V croisées Auflageplatte mit V-Kreuz Plate with crossed V-grooves	■				
	**TELS5.3** 602 33 001	Plateau en forme de H Auflageplatte mit H-Aussparung Plate with H-shaped clearance	■				
	**TELS5** 612 20 001	Support pour plateaux Aufnahmeblock für Auflageplatten Support for plates	■				
	**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			■	■	■

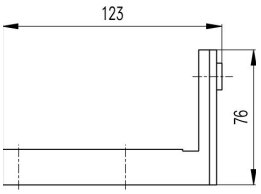
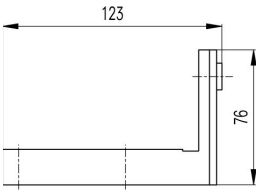
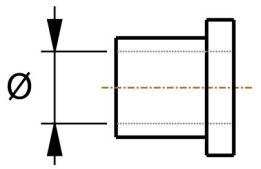
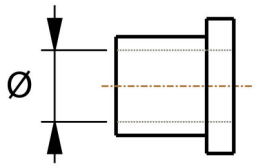
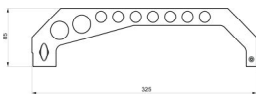
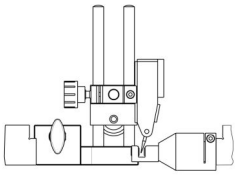
			TELS	HS3	HS4/HS5	HS6	HS8
	**TELMA7/SP04** 602 39 012	Paire de supports réglables en hauteur, Réglage Z=200 mm, plateau standard Paar Höhenverstellbare Auflagen, Verstellbereich Z=200 mm, standard-Platte Pair of vertically adjustable supports, Adjustment range Z=200 mm, standard plate			■	■	■
	**TELMA7/SP05** 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			■	■	
	**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				■	

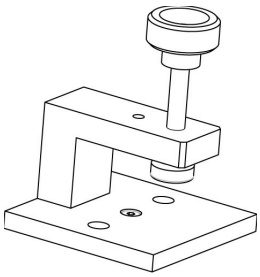
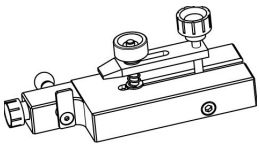
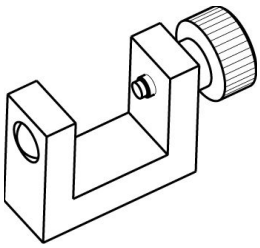
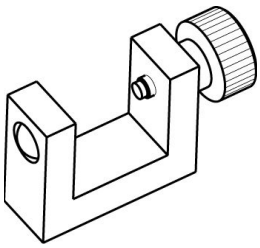
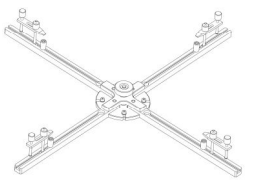
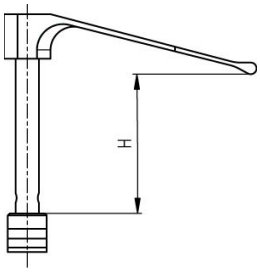
			TELS	HS3	HS4/HS5	HS6	HS8
	**HG-15** 709 40 037	Table de mesure pour tampons <Ø100 x 280 mm, avec étau auto-centreur et vis d'alignement Messtisch für Lehrdorne <Ø100 x 280 mm, mit Symetriespanner & Distanzschrauben Measuring table for plug gauges <Ø100 x 280 mm, with self centring clamp and alignment screws				■	
	**HG-15.1** 609 40 037	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			■	■	■

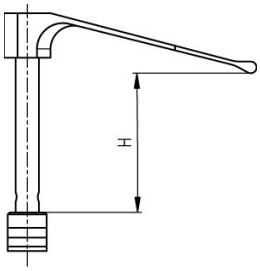
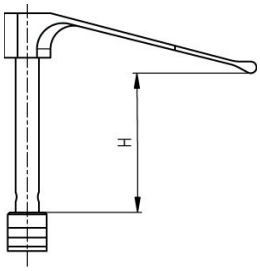
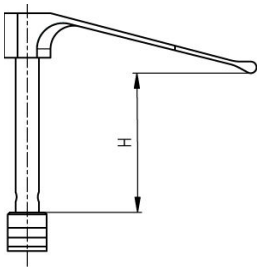
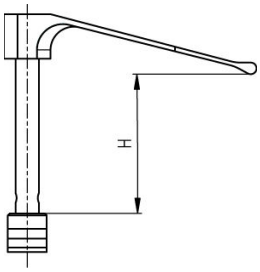
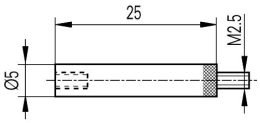
			TELS	HS3	HS4/HS5	HS6	HS8
	**TEL11** 612 12 032	Paire de supports en V Paar V-förmige Auflagen Pair of V-shaped supports		■	■	■	■
	**TA-SU-308** 612 32 021	Support en V pour table Paar Prismenauflage zu Universalmesstisch Set of V-shaped supports for			■	■	
	**TELMN7.2/SP01** 612 23 001	Support pour rouleaux (1 x) Aunahme für Auflagerollen (1x) Supporting device for rolls (1x)			■	■	■
	**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 (1 x) Auflagerolle für Easy-Metric-Lehren (1 x) Roll for Easy-Metric gauges (1 x)			■	■	■
	**TELMN7.2/SP04** 613 07 008	Rouleau cylindrique Zylindrische Auflagerolle Cylindrical roll			■	■	■

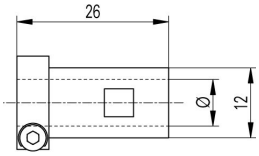
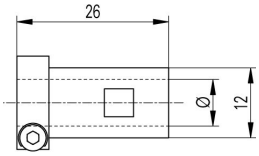
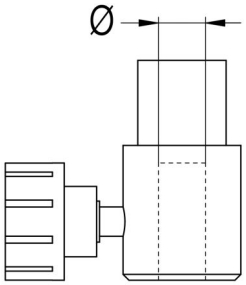
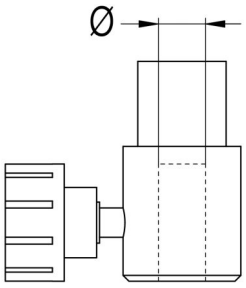
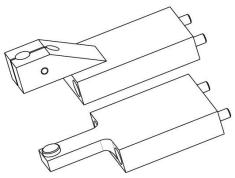
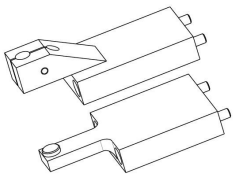
			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-SU-301** 612 04 005	Support pour vérificateurs d'alésages à 2 points Auflagevorrichtung für 2-Pkt-Bohrungsmessgeräte Supporting device for 2 points bore gauges		■	■	■	■
	**TEL17** 602 32 014	Paire de plaques d'appui, pour vérificateurs d'alésages à 2 points <330 mm Paar 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			■	■	■
	**TEL17.1** 602 32 015	Butée pour vérificateurs d'alésages à 2 points Anschlag für 2-Punkt-Bohrungsmessgeräte Supporting device for 2 points bore gauges			■	■	■
	**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			■	■	

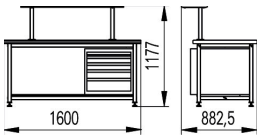
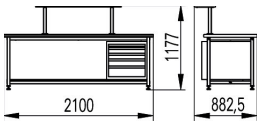
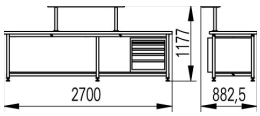
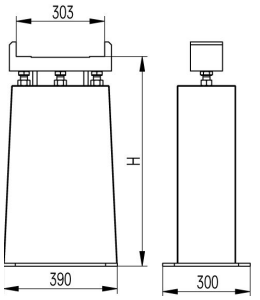
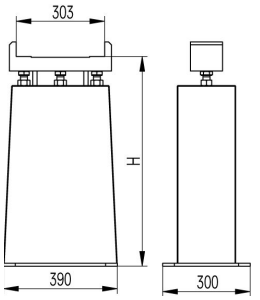
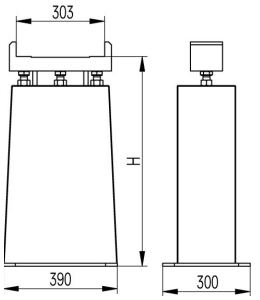
			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-SU-305** 709 60 003	Support pour cales étalons 100-250 mm, avec touches TA-MI-350, (seulement pour tables TA-SU-313 et TA-SU-320) Auflagevorrichtung für Endmasse 100-250 mm, mit Messaufsätzen TA-MI-350, (Nur für Messtische TA-SU-313 und TA-SU-320) Supporting device for gauge blocks 100-250 mm, with anvils TA-MI-350, (only for measuring tables TA-SU-313 and TA-SU-320)				■	
	**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			■	■	■

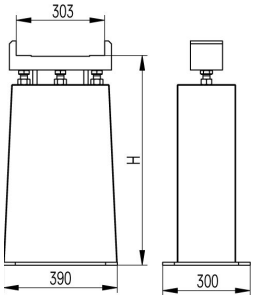
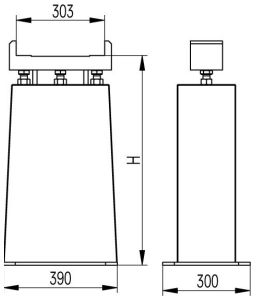
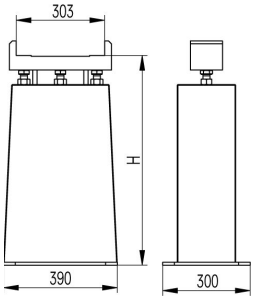
			TELS	HS3	HS4/HS5	HS6	HS8
	**TEL5CN** 612 02 008	Paire de supports pour comparateur Ø8 mm Paar Messuhren-Halter Ø8 mm Pair of holders for dial indicators Ø8 mm		■	■	■	
	**TEL5CNE** 612 02 007	Paire de supports pour comparateur Ø3/8" Paar Messuhren-Halter Ø3/8" Pair of holders for dial indicators Ø3/8"		■	■	■	
	**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-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			■	■	
	**TA-SU-311** 609 60 003	Dispositif de fixation pour comparateurs à levier Befestigungsvorrichtung für Fühlhebelmessgeräte Holding device for dial test indicators			■	■	

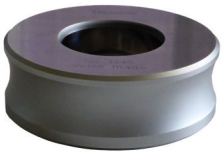
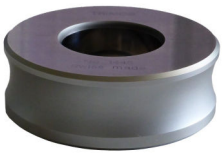
			TELS	HS3	HS4/HS5	HS6	HS8
	**TEL14N** 612 12 049	Dispositif de fixation pour calibres-mâchoires Befestigungsvorrichtung für Rachenlehren Clamping device for snap gauges				■	
	**TA-SU-302** 603 00 021	Dispositif d'alignement de calibres-mâchoires Ausrichtungsvorrichtung für Rachenlehren Alignment device 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 "			■	■	■
	**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)				■	
	**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			■	■	■

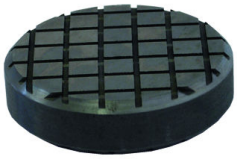
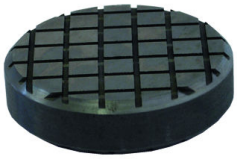
			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-SU-355** 706 02 005	Paire de brides de serrage rapide H<100 mm Paar Schnell-Klemmbügel H<100 mm Pair of fast clamping attachments H<100 mm			■	■	■
	**TA-SU-356** 706 02 006	Paire de brides de serrage rapide H<150 mm Paar Schnell-Klemmbügel H<150 mm Pair of fast clamping 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			■	■	■
	**TA-AD-307** 701 01 004	Adaptateur HS3 pour accessoires Alesta HS3 Adapter für Alesta Zubehör HS3 adapter for Alesta sccessories		■			
	**TELS3.1C** 279 918101 006	Rallonge pour comparateur, 25 mm Verlängerung für Messuhr, 25 mm Extension for dial indicator, 25 mm	■				

			TELS	HS3	HS4/HS5	HS6	HS8
	**TELS3C** 603 12 002	Douille de fixation pour comparateurs Ø8 mm Klemmhülse für Messuhren Ø8 mm Clamping sleeve for dial indicators Ø8 mm	■				
	**TELS3CE** 603 12 001	Douille de fixation pour comparateurs Ø3/8 " Klemmhülse für Messuhren Ø3/8 " Clamping sleeve for dial indicators Ø3/8 "	■				
	**TEL3.1** 603 12 006	Douille de fixation pour comparateurs Ø8 mm Klemmhülse für Messuhren Ø8 mm Clamping sleeve for dial indicators Ø8 mm				■	
	**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				■	

			TELS	HS3	HS4/HS5	HS6	HS8
	**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			■	■	
	**TELA05A/H700** 602 13 004	Socle pour HG2000, H=700 mm Sockel für HG2000, H=700 mm Support for HG2000, H=700 mm					■
	**TELA05A/H600** 602 13 005	Socle pour HG3000, H=600 mm Sockel für HG3000, H=600 mm Support for HG4000, H=600 mm					■
	**TELA05A/H500** 602 13 006	Socle pour HG4000, H=500 mm Sockel für HG4000, H=500 mm Support for HG4000, H=500 mm					■

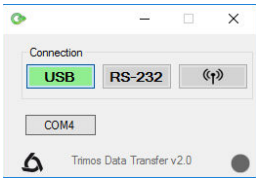
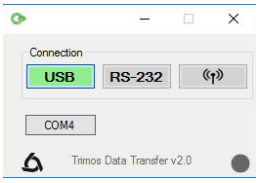
			TELS	HS3	HS4/HS5	HS6	HS8
	**TELA05A/H400** 602 13 007	Socle pour HG4000/HG4500/HG5000, H=400 mm Sockel für HG4000/HG4500/HG5000, H=400 mm Support for HG4000/HG4500/HG5000, H=400 mm					■
	**TELA05A/H300** 602 13 008	Socle pour HG6000, H=300 mm Sockel für HG6000, H=300 mm Support for HG6000, H=300 mm					■
	**TELA05A/H200** 602 13 009	Socle pour HG7000, 8000 &10000, H=125 mm Sockel für HG7000, 8000 &10000, H=125 mm Support for HG7000, 8000 &10000, H=125 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)				■	

			TELS	HS3	HS4/HS5	HS6	HS8
	**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)				■	
	**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]				■	
	**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]				■	

			TELS	HS3	HS4/HS5	HS6	HS8
	**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	■			■	
	**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			■	■	

			TELS	HS3	HS4/HS5	HS6	HS8
	**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			■	■	■
	**TEL.HO4000** 505 05 10 0028	Housse de protection pour instruments 4000 mm Schutzhaube für Längenmessgeräte 4000 mm Protection cover for instruments 4000 mm					■
	**TEL.HO5000** 505 05 10 0029	Housse de protection pour instruments 5000 mm Schutzhaube für Längenmessgeräte 5000 mm Protection cover for instruments 5000 mm					■
	**TEL.HO6000** 505 05 10 0030	Housse de protection pour instruments 6000 mm Schutzhaube für Längenmessgeräte 6000 mm Protection cover for instruments 6000 mm					■

			TELS	HS3	HS4/HS5	HS6	HS8
	**TEL.HO8000** 505 05 10 0032	Housse de protection pour instruments 8000 mm Schutzhaube für Längenmessgeräte 8000 mm Protection cover for instruments 8000 mm					■
	**TEL.HO10000** 505 05 10 0036	Housse de protection pour instruments 10000 mm Schutzhaube für Längenmessgeräte 10000 mm Protection cover for instruments 10000 mm					■
	**TEL.HO12000** 505 05 10 0040	Housse de protection pour instruments 12000 mm Schutzhaube für Längenmessgeräte 12000 mm Protection cover for instruments 12000 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	■				
	**TA-EL-112** 716 20 001	Câble pour connexion RS232-PC Kabel für RS232-PC-Verbindung Cable for RS232-PC connection		■	■	■	
	**TA-EL-014** 332 02 0002	Câble de liaison USB A-Mini B, L=1.8m Verbindunskabel, USB A-Mini B, L=1.8m USB A-Mini B connection cable, L=1.8m		■	■	■	

			TELS	HS3	HS4/HS5	HS6	HS8
	**TA-EL-022** 716 35 008	Système de transmission de données sans fil, 1 x dongle pour l'Instrument & 1 x dongle USB pour PC Drahtloses Datenübertragungssysstem, 1 x Dongle für das Instrument & 1 x USB-Dongle für PC Wireless data transmission system, 1 x dongle for the instrument & 1 x USB dongle for PC			■	■	
	**TA-EL-034** 756 0025	Imprimante thermique avec support, chargeur et câble RS232, (Pour HS-E1) Thermodrucker mit Halter, Ladegerät und RS232-Kabel, (für HS-E1) Thermal printer with holder, AC adapter and RS232 cable, (for HS-E1)			■	■	
	**V-30.7** 788 000001 001	Rouleaux de papier (5 pces) pour imprimante thermique Papierrollen (5 Stk.) für Thermodrucker Paper rolls (5 pces) for thermal printer			■	■	
	**TA-EL-063** 3704 0024	Batterie pour imprimante TA-EL-032 & TA-EL-033 Batteriesatz für Drucker TA-EL-032 & TA-EL-033 Battery pack for printer TA-EL-032 & TA-EL-033			■	■	
	**TA-SW-002** 394 1 0051	Logiciel de communication (TrimosDataTransfer) Software für Datenübertragung (TrimosDataTransfer) Software for data transfer (TrimosDataTransfer)		■	■	■	■
	**TA-SW-003** 394 1 0052	Logiciel de communication (TrimosDataTransfer Advanced), avec création de port COM virtuel Software für Datenübertragung (TrimosDataTransfer Advanced), mit virtueller COM-Port Erstellung Software for data transfer (TrimosDataTransfer Advanced), with virtual COM-port creation		■	■	■	■