

VALIDITY : 31.07.2007
ALL PRICES WITH VAT EXCLUDED

THE ESSENTIALS



SWISS PROMO



TECHNOLOGY

TESA-HITE MAGNA 400 AND 700 ²

SHOP-PROOF TECHNOLOGY

PROTECTED AGAINST

- WATER
- OIL
- DUST

TESA-CAL IP67 ⁶



NEW
SHOP-PROOF
TECHNOLOGY

€
1730

€
2190

€
108

HEXAGON METROLOGY

Based on TESA technology that has proved effective for more than 25 years, the two new TESA-HITE MAGNA 400 and 700 height gauges equipped with the patented MAGNApSYSTEM are able to withstand extreme workshop conditions – especially splashing oil and water as well as dust particles.

Their exceptional features make them indispensable for the workshop while offering the most favourable price-performance relationship.



€
2590

€
3290

TESA-HITE MAGNA – RESISTANT TO EXTREME WORKSHOP CONDITIONS

Order number	Description	Measuring span mm / in	Application range with standard accessory or S0700162 option mm / in	Precision µm / in L in m/in
00730047	TESA-Hite Magna 400	415 16	0 ÷ 570 / 0 ÷ 795 0 ÷ 22 / 0 ÷ 31	8 0.0003
00730059	TESA-Hite Magna 700	715 28	0 ÷ 870 / 0 ÷ 1095 0 ÷ 34 / 0 ÷ 43	8 0.0003

TESA-HITE – PRECISION IN MOTION

00730043	TESA-Hite 400	415 16	0 ÷ 570 / 0 ÷ 795 0 ÷ 22 / 0 ÷ 31	2,5+4 · L 0.0001+0.000004
00730044	TESA-Hite 700	715 28	0 ÷ 870 / 0 ÷ 1095 0 ÷ 34 / 0 ÷ 43	2,5+4 · L 0.0001+0.000004



TESA Micro-Hite 350 • 600 • 900

CERTIFICAT D'ETALONNAGE
KALIBRIERTZERTIFIKAT
CALIBRATION CERTIFICATE

Laboratoire d'étalonnage accrédité par l'Office fédéral de métrologie
Metz: Accredited for the Swiss Federal Office of Metrology
Calibration Laboratory accredited to the Swiss Federal Office of Metrology

The Swiss Federation of metrology is a VDA member for the VDA member of the European Association of Calibration Laboratories

Calibration for:
Certificate No. ZE06602-TM-01/2005

Client:
Customer:

N° de commande:
Drawing No.:

Date:
Date:

Objet:
Measuring vertical 600 mm

Matériel:
Brown & Shurg TESA SA

Matériau:
TESA HITE 600 No. 007.30042

N° de série:
ZE06602

Remarque:
Remarque:

Date d'étalonnage:
5 décembre 2005

Calibrateur:
R. Dupont

Signature:
Signature:

Remarque:
Remarque:

Page:
1 / 3

TESA SA • CH-1020 Porrentruy • Tél. +41 (0) 21 632 14 50 • Fax +41 (0) 21 632 15 30 • www.tesabs.ch

HEXAGON METROLOGY



TESA Micro-Hite, MANUAL – THE METROLOGICAL REFERENCE FOR THE WORKSHOP

Order number	Description	Measuring range mm/in µm / in	Application range with standard accessory or S07001622 option	Precision µm / in L in m/in	Repeatability (2s) µm / in	⊥ Mechanical (frontal) µm / in	Normal prices €	Special prices €
00730033	Micro-Hite 350	365 14	0 ÷ 520 / 0 ÷ 745 0 ÷ 20 / 0 ÷ 29	2+3 · L 0.0001+0.000003 · L	2 0.0001	7 0.00028	4753	4100
00730034	Micro-Hite 600	615 24	0 ÷ 770 / 0 ÷ 995 0 ÷ 30 / 0 ÷ 39	2+3 · L 0.0001+0.000003 · L	2 0.0001	9 0.00035	5396	4600
00730035	Micro-Hite 900	920 36	0 ÷ 1075 / 0 ÷ 1300 0 ÷ 42 / 0 ÷ 51	2+3 · L 0.0001+0.000003 · L	2 0.0001	11 0.00043	8431	7900
00760163	POWER PANEL						1006	890



THE METROLOGICAL REFERENCE

TESA Micro-Hite and TESA Micro-Hite plus M provide user-friendliness, robustness reliability and autonomy that make them different from the other height gauges.

Each product comes with a SCS calibration certificate, thus guaranteeing full compliance and traceability to international standards.



TESA Micro-Hite, motorised – The speed of the manual version combined with the precision of the motorised one									
Order number	Description	Measuring span mm / in	Application range with standard accessory or S07001622 µm / in	Precision µm / in L in m / in	Repeatability (2s) µm / in	⊥ Mechanical (frontal) µm / in	Normal prices €	Special prices €	
00730063	Micro-Hite 350	365 14	0 ÷ 520 / 0 ÷ 745 0 ÷ 20 / 0 ÷ 29	2+1,5 · L 0.0001+0.0000015 · L	0,5 / 1 0.000025 / 0.00005	5 0.0002	4527	3850	
00730064	Micro-Hite 600	615 24	0 ÷ 770 / 0 ÷ 995 0 ÷ 30 / 0 ÷ 39	2+1,5 · L 0.0001+0.0000015 · L	0,5 / 1 0.000025 / 0.00005	7 0.00028	5138	4200	
00730065	Micro-Hite 900	920 36	0 ÷ 1075 / 0 ÷ 1300 0 ÷ 42 / 0 ÷ 51	2+1,5 · L 0.0001+0.0000015 · L	0,5 / 1 0.000025 / 0.00005	9 0.00035	8030	7500	
00760216	1D control panel						573	390	
00760221	POWER PANEL Plus M						1006	690	
00760220	POWER PANEL Plus M with built-in printer						1323	890	

TESA SHOP-CAL

ABSOLUTE FUNCTIONALITY

Order number	Measuring span mm	Normal price €	Special price €
00530090	150	92	59.90

€
108€
59.90TESA-CAL IP 67
150, 200, 300 mm

THE MUST

Order number	Measuring span mm	Protection to IP 67	Thumb roller	Normal prices €	Special prices €
00530300	150	•	—	134	108
00530301	150	•	•	134	108
00530302	200	•	•	208	168
00530303	300	•	•	306	248

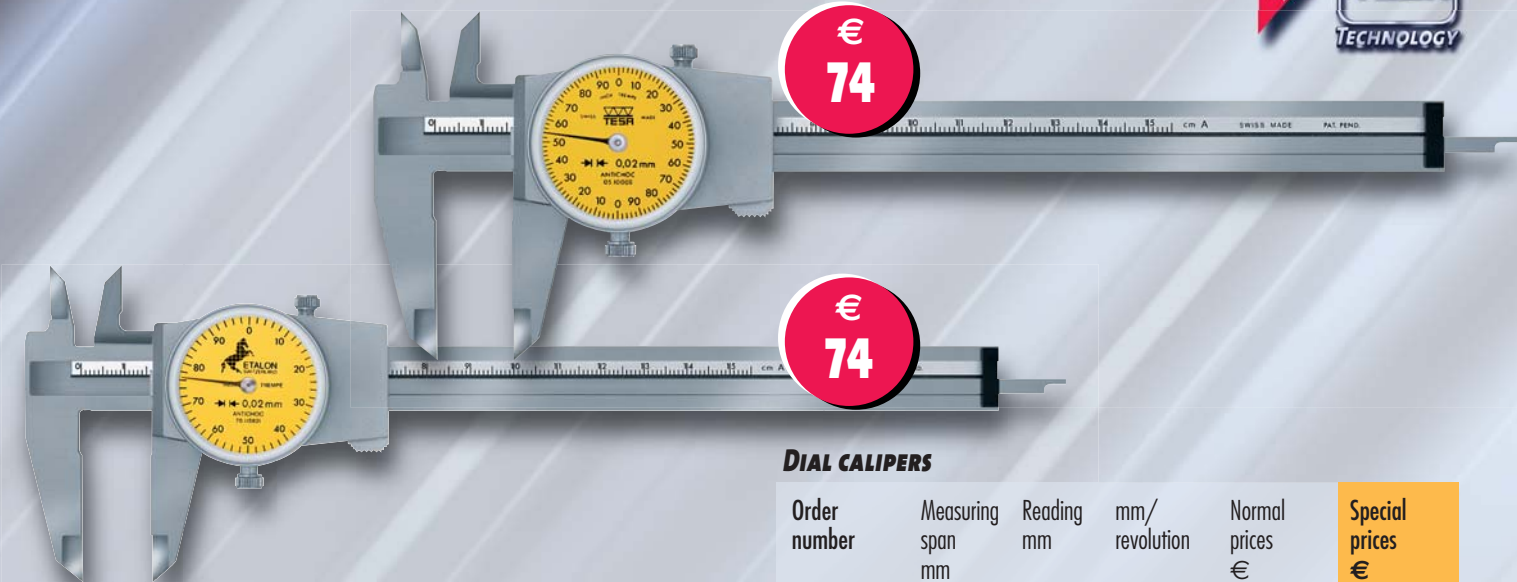
TESA-CAL IP 67 WITH SHORT-CUT MEASURING FACE FOR DEPTH MEASUREMENT

Order number	Measuring span mm	Protection to IP 67	RS 232 data output	Normal price €	Special price €
00530242	250	•	•	331	268

€
268€
260TESA-CAL IP 67
WITH ROUNDED
MEASURING FACES FOR
INTERNAL MEASUREMENT

Order number	Measuring span mm	Protection to IP 67	RS232 data output	Normal prices €	Special prices €
00530221	200	•	•	289	232
00530222	250	•	•	314	252
00530223	300	•	•	325	260





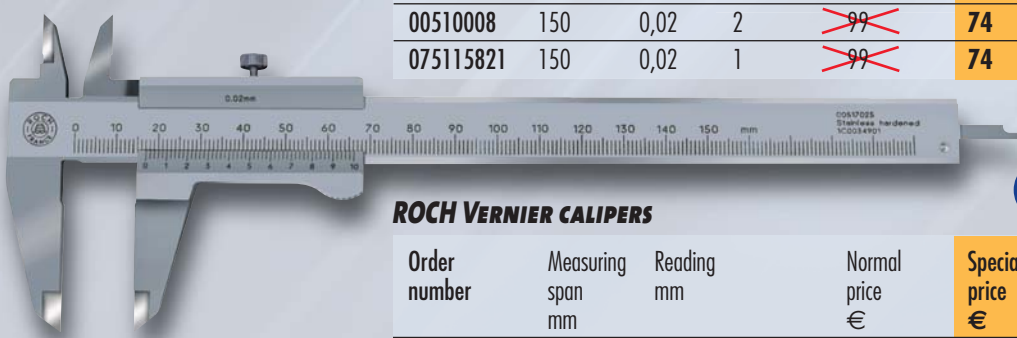
€
74

€
74

DIAL CALIPERS

Order number	Measuring span mm	Reading mm	mm/revolution	Normal prices €	Special prices €
00510008	150	0,02	2	99	74
075115821	150	0,02	1	99	74

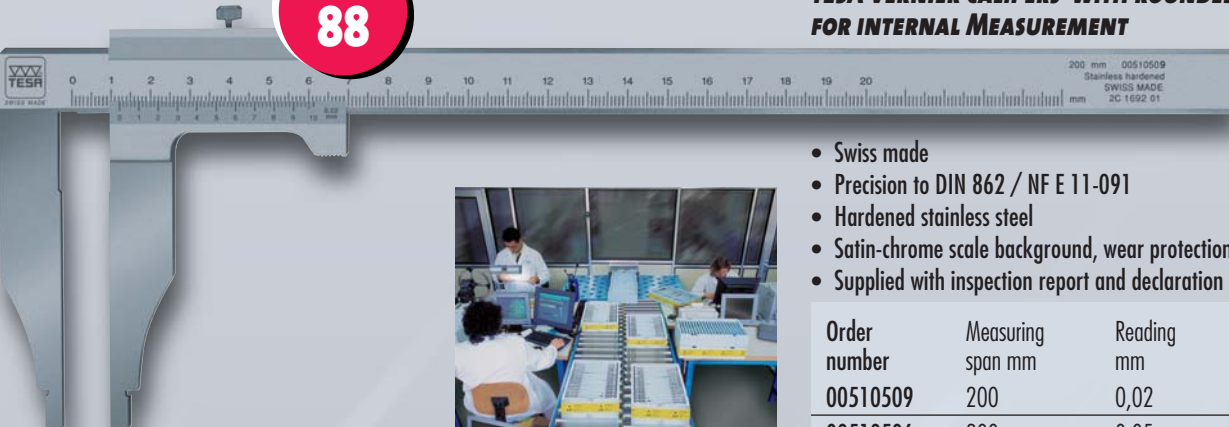
€
21.50



ROCH VERNIER CALIPERS

Order number	Measuring span mm	Reading mm	Normal price €	Special price €
00517025	150	0,02	27	21.50

€
88



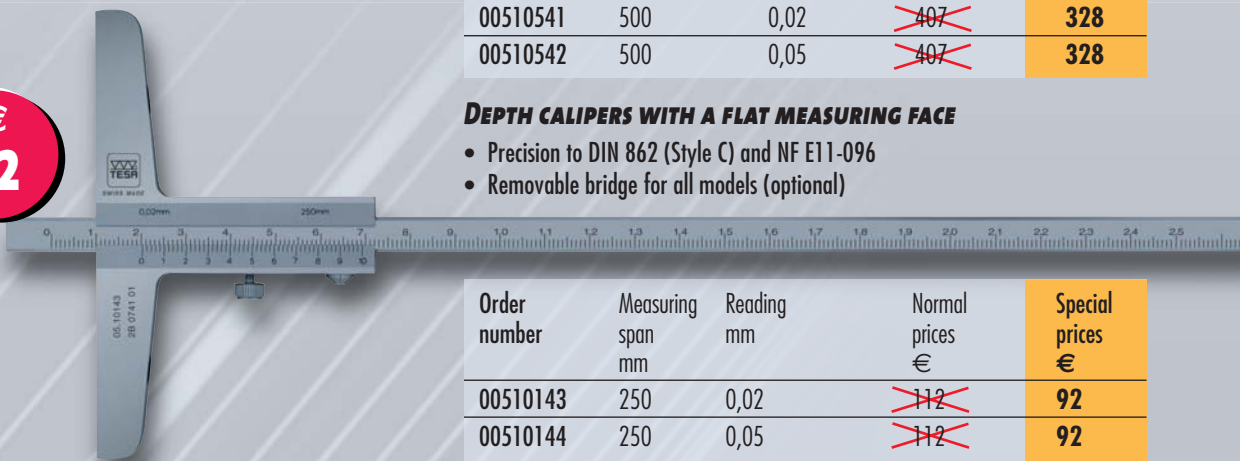
TESA VERNIER CALIPERS WITH ROUNDED MEASURING FACES FOR INTERNAL MEASUREMENT

- Swiss made
- Precision to DIN 862 / NF E 11-091
- Hardened stainless steel
- Satin-chrome scale background, wear protection
- Supplied with inspection report and declaration of conformity

Order number	Measuring span mm	Reading mm	Normal prices €	Special prices €
00510509	200	0,02	109	88
00510506	200	0,05	109	88
00510521	300	0,02	147	120
00510522	300	0,05	147	120
00510541	500	0,02	407	328
00510542	500	0,05	407	328



€
92



DEPTH CALIPERS WITH A FLAT MEASURING FACE

- Precision to DIN 862 (Style C) and NF E11-096
- Removable bridge for all models (optional)

Order number	Measuring span mm	Reading mm	Normal prices €	Special prices €
00510143	250	0,02	112	92
00510144	250	0,05	112	92



TESA-SCOPE



**NON-CONTACT MEASUREMENT BASED
ON PROFILE PROJECTION HAS BECOME
ONE OF TESA'S MAIN FOCUSES**

All TESA-Scope profile projectors include high-quality components, whether optical or mechanical.

To make a success of this valuable product range, each TESA-Scope 300 V, 355 H and 500 V is provided with either a TS100 digital readout unit or a TS300 control panel equipped with powerful metrology software.

TESA-SCOPE II 300V

Order number	Description	Measuring table 200 x 100 mm 8 x 4 in	TS 100 digital readout	TS 300 control panel	Normal * prices €	Special * prices €
06830041	TESA-Scope II 300V - TS 100	•	•	—	9286	8288
06830042	TESA-Scope II 300V - TS 300	•	—	•	11032	9928

TESA-SCOPE II 355H

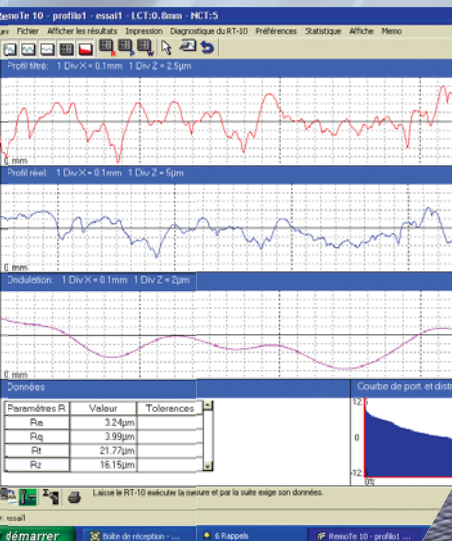
06830051	TESA-Scope II 355H - TS 100	•	•	—	9653	8688
06830052	TESA-Scope II 355H - TS 300	•	—	•	11670	10504

*Objective not included

TESA RUGOSURF100
HW 1.04 SW 2.09
Norm: ISO8011
20.11.2003

Name: _____

Lt= 4.80 Lc= 0.80
Ra = 4.38 [um]
Rz01H = 20.82 [um]
Rt = 25.33 [um]
Rmax = 21.67 [um]
R3z = 13.37 [um]
Rq = 5.19 [um]



9



€
1592

TESA RUGOSURF 10

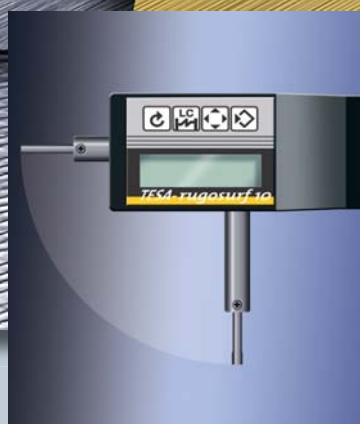
Versatile and compact surface roughness tester designed for use in the workshop or the inspection laboratory.

ROUGHNESS PARAMETERS

- Ra - Rq (RMS) - Rt - Rz - Rc - Rsm - Rmr calculated to ISO 4287-1
- Pt - R - Rx - AR calculated to ISO 12085 (CNOMO)

TECHNICAL DATA

Measuring span : 160 µm (± 20 µm et ± 80 µm)
Resolution : 0,01 µm 0,04 µm
Cut-offs : $\lambda_c = 0,25 - 0,8 - 2,5$ mm.
Choice between 2, 3, 4 or 5 cut-offs



TESA RUGOSURF 10

Order number

06930010

Description

TESA Rugosurf 10 set

Normal price €

~~2046~~

Special price €

1592

Comes complete with probe, battery pack, calibration specimen, 8 mm diameter fixing rod, instructions for use and declaration of conformity.

TESA VERIBOR light

NEW

€
224



€
216



€
248



€
432



TESA VERIBOR LIGHT

Order number	Application range mm	Normal prices €	Special prices €
05710090	18 ÷ 35	277	224
05710091	35 ÷ 60	268	216
05710092	50 ÷ 150	310	248
05710093	18 ÷ 150	539	432

Dial gauge not included



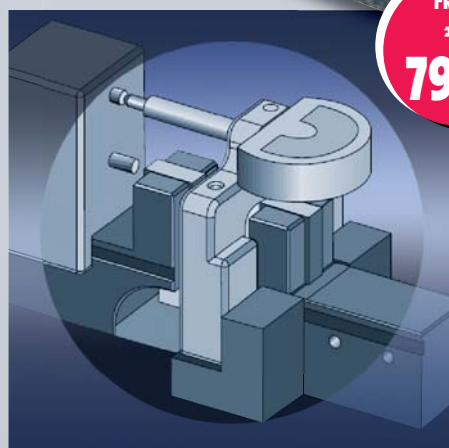
TESA TPS

**NEW MOTORISED PRESETTING
BENCH FOR NEARLY ANY TYPE
OF MEASURING TOOLS**



11

NEW



FROM
€
7964

TESA • tps 500



TESA TPS

Order number	Description	Measuring range for internal dimensions mm / in	Measuring range for external dimensions mm / in	Resolution mm	Max. perm. error µm	Repeatability (2s) µm	Digital output	Launch price €
02130001	TPS 300*	1 ÷ 305 0.04 ÷ 12	40 ÷ 330 1.6 ÷ 13	0,001	1,5 + L/300 (L in mm)	1	RS 232	From 7964
02130001	TPS 500*	1 ÷ 508 0.04 ÷ 20	40 ÷ 532 1 ÷ 21	0,001	1,5 + L/300 (L in mm)	1	RS 232	on request
02130003	TPS 1000*	1 ÷ 1016 0.04 ÷ 40	40 ÷ 1040 1.6 ÷ 41	0,001	1,5 + L/300 (L in mm)	1	RS 232	on request

* Full documentation available on request

ETALON BASIC



EXTERNAL MICROMETERS

Order number	Description	Measuring range mm	Normal prices €	Special prices €
0119046	ETALON Basic	0 ÷ 25	46	36
0119050	Jeu ETALON Basic	0 ÷ 100	268	216



€
216



€
36

TESA MICROMASTER

MODEL EASY

Order number	Description	Measuring range mm	Normal price €	Special price €
06030010	Micromaster Easy	0 ÷ 30	194	136



€
136

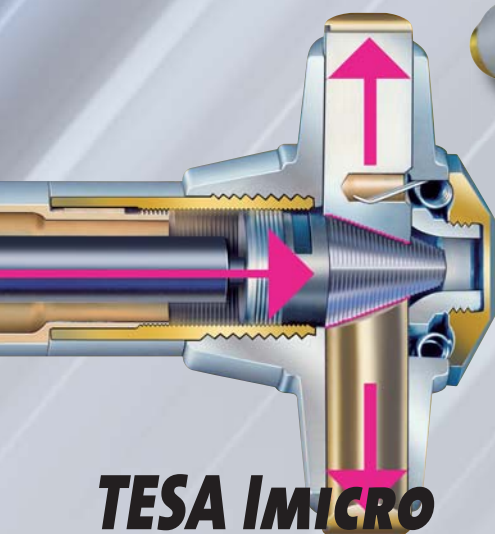


MODELS IP 54

Order number	Description	Measuring range mm	Normal prices €	Special prices €
06030020	Micromaster IP 54	0 ÷ 30	224	180
06030021	Micromaster IP 54	25 ÷ 50	274	220
06030022	Micromaster IP 54	50 ÷ 75	314	252
06030023	Micromaster IP 54	75 ÷ 100	358	288

€
180





TESA IMICRO Tool Sets



€
2312

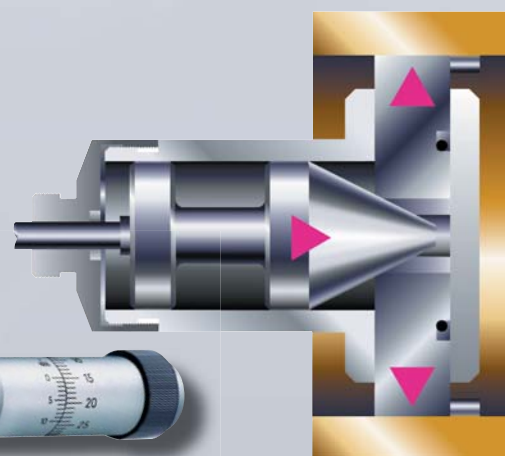


ANALOGUE READING

Order number	Application range mm	Normal prices €	Special prices €
00813409	3,5 ÷ 6,5	1635	1228
00810000	6 ÷ 12	916	688
00810800	11 ÷ 20	1102	828
00811500	20 ÷ 40	1638	1232
00812300	40 ÷ 100	3078	2312
00812600	100 ÷ 200	3737	2804



€
2196



ROCH ALESOMETER Tool Sets



ANALOGUE READING

Order number	Application range mm	Normal prices €	Special prices €
0081725063	6 ÷ 10	830	624
0081725066	10 ÷ 20	1573	1180
0081725068	20 ÷ 40	1678	1260
0081725070	40 ÷ 100	2926	2196
0081725072	100 ÷ 150	2031	1524



€
34



€
172



€
92



€
72

ETALON Basic or COMPAC DIAL GAUGES

Order number	Description	Resolution mm	Measuring travel mm	Dial Diameter mm	Shockproof	Normal prices €	Special prices €
01419048	ETALON Basic	0,01	10	58	—	47	34
01419051	ETALON Basic	0,001	0,1	62	•	232	172
353	COMPAC	0,01	5	40	•	117	92
512 K	COMPAC	0,01	10	58	—	90	72



€
68



€
140



€
80



INTERAPID HOLDER UJ15

Order number *	Normal price €	Special price €
01639007	98	80

HOLDER WITH ARTICULATED ARM LENGTH 310 MM

Order number *	Normal price €	Special price €
01639022	194	156

* Without dial gauge



€
156

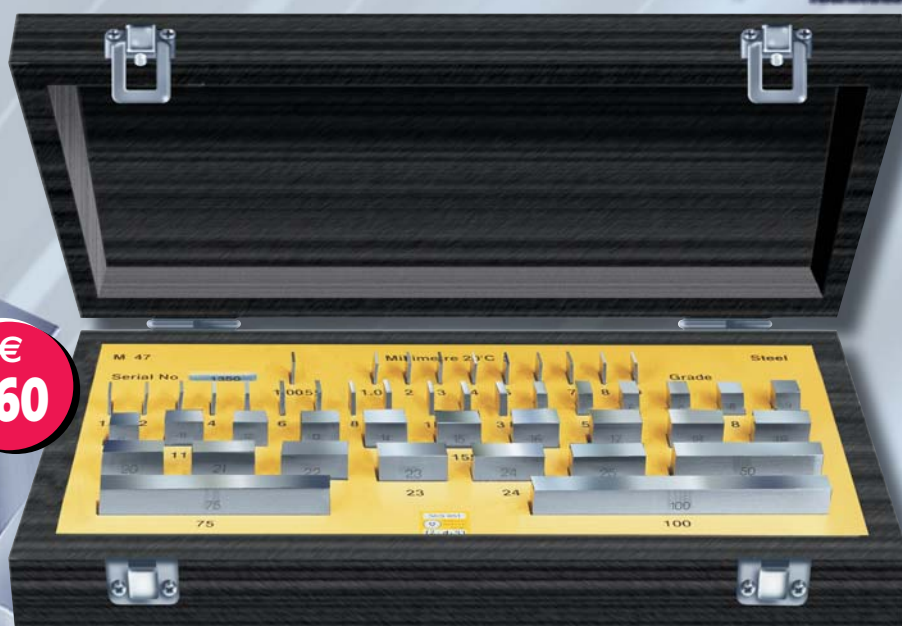
DIAL INDICATORS

Order number	Description	Reading	Measuring travel mm	Dial Diameter mm	Normal prices €	Special prices €
01810005	TESAST	0,01	0,8	28	86	68
01810006	TESAST	0,01	0,8	38	98	80
074111366	INTERAPID	0,01	1,6	37,5	171	140



ETALON

€
560



ETALON GAUGE BLOCK SETS

Order number	Number of gauge blocks	Accuracy grade	Normal prices €	Special prices €
06519010	32	1	577	464
06519011	32	2	489	392
06519012	47	1	794	636
06519013	47	2	697	560
06519014	88	1	1320	1060
06519015	88	2	1108	884

Supplied with a COFRAC calibration certificate (equivalent to SCS, DKD, SIT, UKAS and the like)



NEW

TESA GENERAL CATALOGUE AVAILABLE FROM FEBRUARY 2007

To get a free copy, please send your e-mail to tesainfo@hexagonmetrology.com with full name and address along with desired language and version – i.e. French, German or English, hardcopy or CD.

TESA SPACER 100 AND 200

100 m

200 m

NEW



€
279

€
399

Pocket-size,
easy-to-use
laser meters for long
distances

TESA SPACER 100 AND 200

Order number	01130010	01130020
Description	SPACER 100	SPACER 200
Measuring range	0 - 100 m	0 - 200 m
Precision	± 1,5 mm	± 2 mm
Surface m ²	 •	•
Volume m ³	 •	•
Highest value	 •	•
Lowest value	 •	•
Distance with 2 additional measurements	—	•
Distance with 3 additional measurements	—	•
Partial distance with 3 additional measurements	—	•
Timer	—	•
Spirit level	—	•
Viewfinder, 2 x	—	•
Normal price €	339	444
Launch price €	279	399

5 GOOD REASONS FOR CHOOSING A TESA'S PRODUCT

- 1. FINEST RAW MATERIALS**
- 2. GUARANTEED PRECISION THROUGHOUT THE MEASURING RANGE**
- 3. LATEST TECHNOLOGY**
- 4. INDIVIDUAL INSPECTION AND CALIBRATION**
- 5. LONG-TERM DEPENDABILITY**

When you need to be sure

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