

Calipers



THE FAVOURITES

Calipers are the most popular length measuring instruments used worldwide. Owing to their simple construction, ease of handling and quick operation, they are the favourites in dimensional measurement. The wide variety of forms and shapes available with exclusive measuring faces make them the universal hand-held tools.

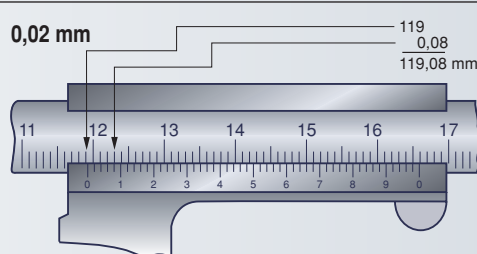
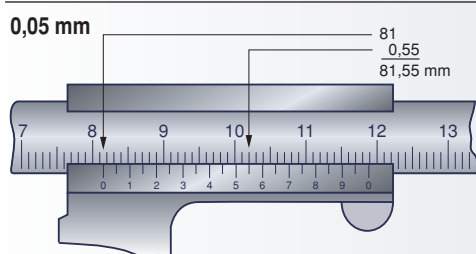
All calipers of the famous TESA, ETALON, INTERAPID and ROCH brand names are recognised for their superior quality – the guarantee for precise measurement. The flawless guide of the slider on the beam ensures silky-smooth operation while also preventing the measuring jaws from tilting.

The choice of the material with exactly defined heat treatment as well as a robust design result in further distinctive advantages such as wear and corrosion resistance.

For quick and easy reading of your measured values – a condition that's essential in the certainty of any measurement – we offer dial calipers for a comfortable reading or more sophisticated digital models for error-free reading besides regular vernier calipers.



Vernier Calipers



Chosen length l mm	0,1 0,05 mm	0,02 mm	0,01 mm
50	50	20	20
100	50		
150	50		
300	50		
400	60	30	30
500	70		
600	80		
700	90		
800	100		
900	110	40	40
1000	120		
1200	140		
1400	160	50	
1600	180		
1800	200	60	
2000	220		



Max. Permissible Errors

The max. permissible errors (G) are expressed by the equation given below, where the values should be rounded down to two decimal fractions (0,01 mm).

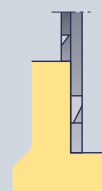
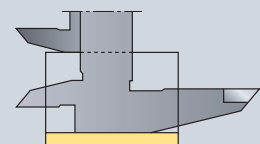
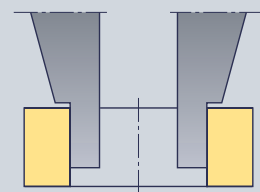
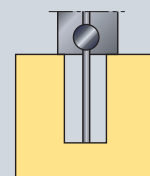
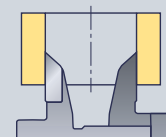
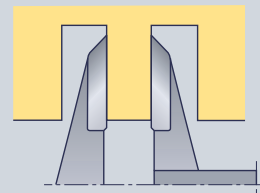
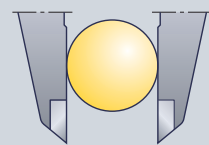
They apply in measurement taken under the same measuring force. For all other measurements, including those performed with use of the depth foot, the values obtained have to be increased by 20 µm.

Calipers with scale or vernier reading to 0,1 or 0,05 mm:

$$G = (20 + l / 10 \text{ mm}) \mu\text{m} \geq 50 \mu\text{m}$$

Calipers with analogue indication (scale or vernier reading to 0,02 mm) or numerical indication:

$$G = (22 + l / 50 \text{ mm}) \mu\text{m}$$



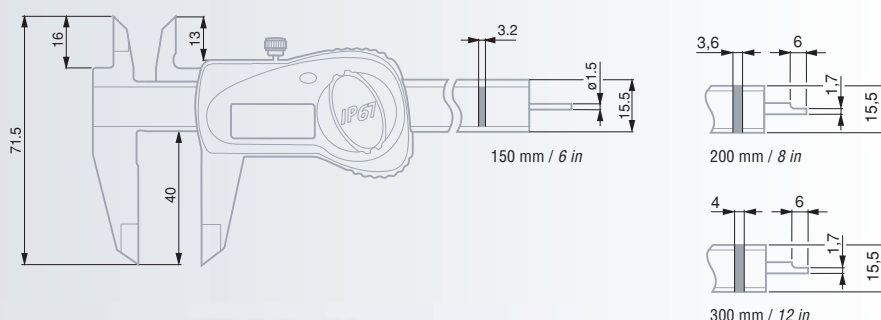
TESA CAL IP67 magna μ system



Patented measuring system – TESA magna μ system

New electronic caliper – The highest degree of protection ever achieved with hand-held tools of this type – Totally immune to the penetration of liquids and particles of metal.

Magnetic measuring system – a TESA's technology guaranteeing full reliability and accuracy, even in the toughest conditions of use – SWISS MADE.



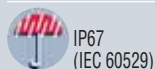
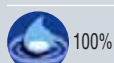
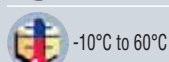
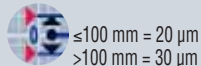
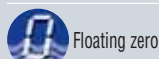
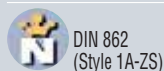
	mm / in	RS232	Thumb roller	A mm	B mm	C mm	g
00530300	150 / 6	—	—	40	16	71,5	140
00530301	150 / 6	—	●	40	16	71,5	140
00530302	200 / 8	—	●	50	20	89,5	200
00530303	300 / 12	—	●	64	22	105,5	270
00530311	150 / 6	●	●	40	16	71,5	140
00530312	200 / 8	●	●	50	20	89,5	200
00530313	300 / 12	●	●	64	22	105,5	270

Optional Accessories

01961000 3 V lithium battery, 190 mAh, type CR 2032

00560013 Depth foot for calipers having a 150 mm measuring span (also see on page B-24)

For connecting cables, see section A

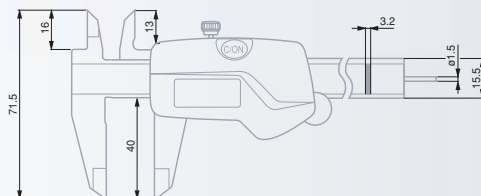
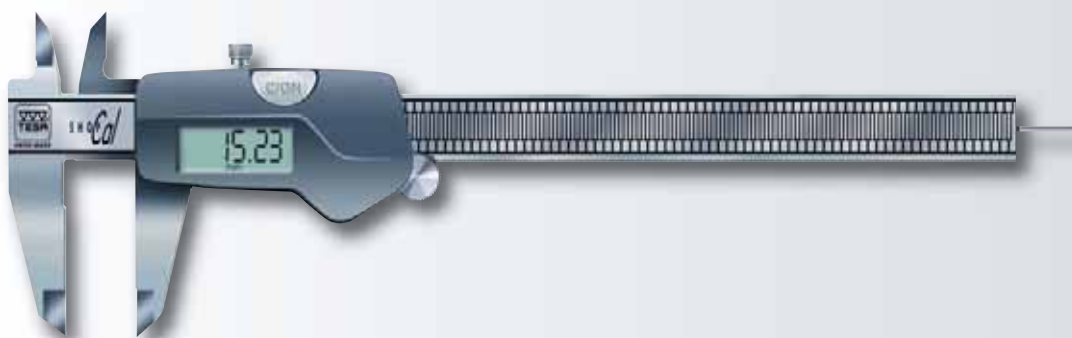


TESA SHOP-CAL



Patented measuring system – TESA magna μ system

- ABSOLUTE or DIFFERENCE measurements
- High quality precision mechanics
- Large LC display
- Easy-to-use
- Best Price/Performance relationship



						
	mm / in	Thumb roller	A mm	B mm	C mm	g
00530090	150 / 6	●	40	16	71,5	140

Optional Accessories

01961000	3 V lithium battery, 190 mAh, type CR 2032
00560013	Depth foot for calipers having a 150 mm measuring span (also see on page B-24)



DIN 862
(Style 1AZ)



0,01 mm
0.0005 in



LCD, 7 mm



Floating zero



«ABS» and
«DIFF»



Conversion
mm / in



≤ 100 mm = 20 μ m
 > 100 mm = 30 μ m



10 μ m



Capacitive
glass scale with
incremental
divisions



> 2 m / s



Hardened
stainless steel



3V lithium
battery, CR 2032



≈ 2 a
(≈ 2000 h / a)



Idle mode
after 10 min,
automatic switch
off after 2 h.



10°C to 40°C



-10°C to 60°C



80%



IP40
(IEC 60529)



EN 50081-1
EN 50082-1



Suited
plastic case



Identification
number



Inspection
report with a
declaration of
conformity



DIN 862
(Style 1AR)

≤100 mm = 20 μm
>100 mm = 30 μm

Hardened
stainless steel

32 mm
diameter
rotating dial
with lock

Slider with
locking screw

Steel gear mechanism,
hardened
and ground

Patented
shockproof
design

Suited
plastic case

Identification
number

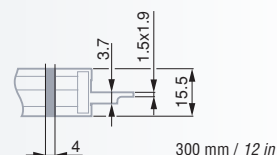
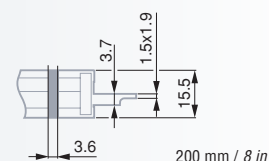
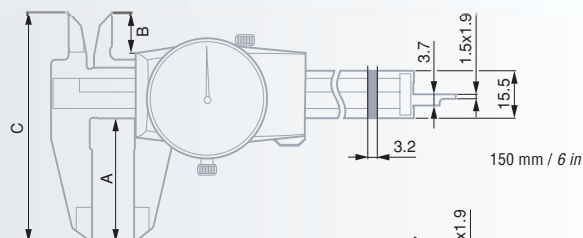
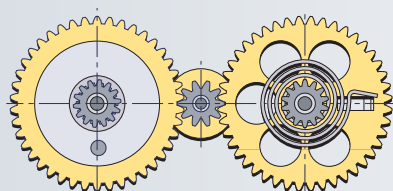
Inspection report
with a declaration
of conformity

Dial Calipers

Rugged construction – High accuracy – Patented shockproof design – Ideal for use in the workshop.

Models TESA CCMA-M

Easy-to-read dial calipers – Slider with metal dial housing – Models with a 200 or 300 measuring span fitted with a thumb roller.



Thumb roller

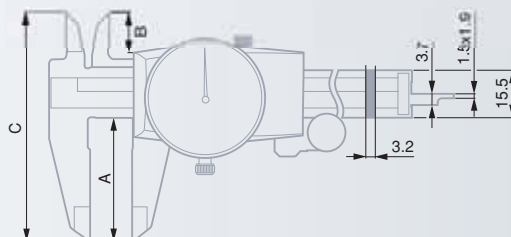
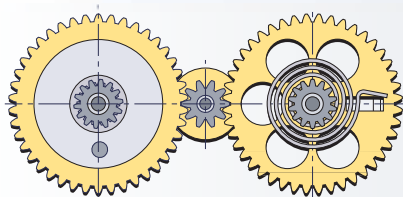
	A mm	B mm	C mm
00510008	0 ÷ 150 mm	0,02 mm	2 mm
00520002	0 ÷ 6 in	0,001 in	0.1 in
00510045	0 ÷ 200 mm	0,02 mm	2 mm
00510046	0 ÷ 300 mm	0,02 mm	2 mm

Optional Accessory

00560013 Depth foot for models 150 mm/6 in (also see page B-24)

Model ETALON 125

Slider with metal dial housing – 1 mm per pointer revolution.



075115821



0 ÷ 150 mm



0,02 mm



1 mm



without thumb roller

Optional Accessory

00560013

Depth foot (also see page B-24)



DIN 862
(Style 1AR)



≤ 100 mm = 20 µm
> 100 mm = 30 µm



Hardened
stainless steel



32 mm
diameter
rotating dial
with lock



Slider with
locking screw



Steel gear mechanism,
hardened
and ground



Patented
shockproof
design



Suited
plastic case



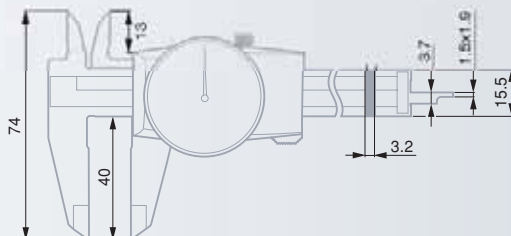
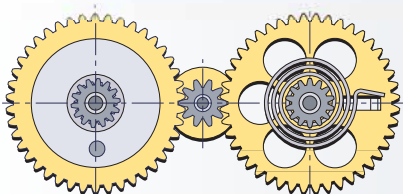
Identification
number



Inspection report
with a declaration
of conformity

Model TESA CCMA-M, 0,01 mm

Slider with metal dial housing – 1 mm per pointer revolution.



00510050



0 ÷ 150 mm



0,01 mm



1 mm

Optional Accessory

00560013

Depth foot (also see page B-24)



DIN 862
(Style 1AR)



≤ 100 mm = 20 µm
> 100 mm = 30 µm



Hardened
stainless steel



32 mm dia.
rotating dial
with lock



Slider with
locking screw



Steel gear,
hardened
and ground



Patented
shockproof
design



Suited
plastic case



Identification
number



Inspection report
with a declaration
of conformity

Model TESA CCMA-P

Quick and easy reading – Slider with plastic dial housing.



DIN 862
(Style 1AR)

≤100 mm = 20 µm
>100 mm = 30 µm

Hardened
stainless steel

32 mm dia.
rotating dial
with lock

Slider
with plastic dial
housing plus
locking screw

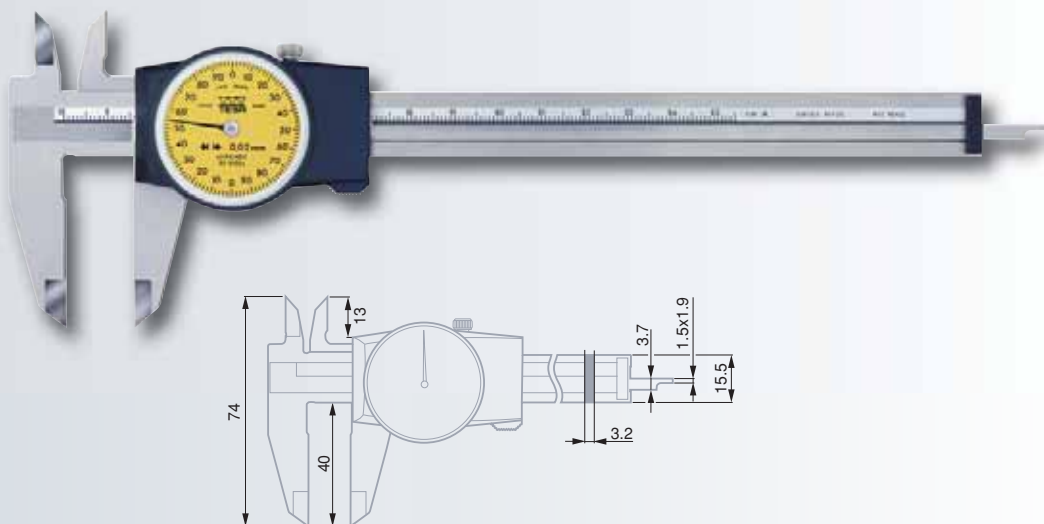
Steel gear,
hardened
and ground

Patented
shockproof
design

Suited
plastic case

Identification
number

Inspection report
with a declaration
of conformity



00510004



0 ÷ 150 mm



0,02 mm



2 mm

00520001

0 ÷ 6 in

0.001 in

0.1 in

Optional Accessory

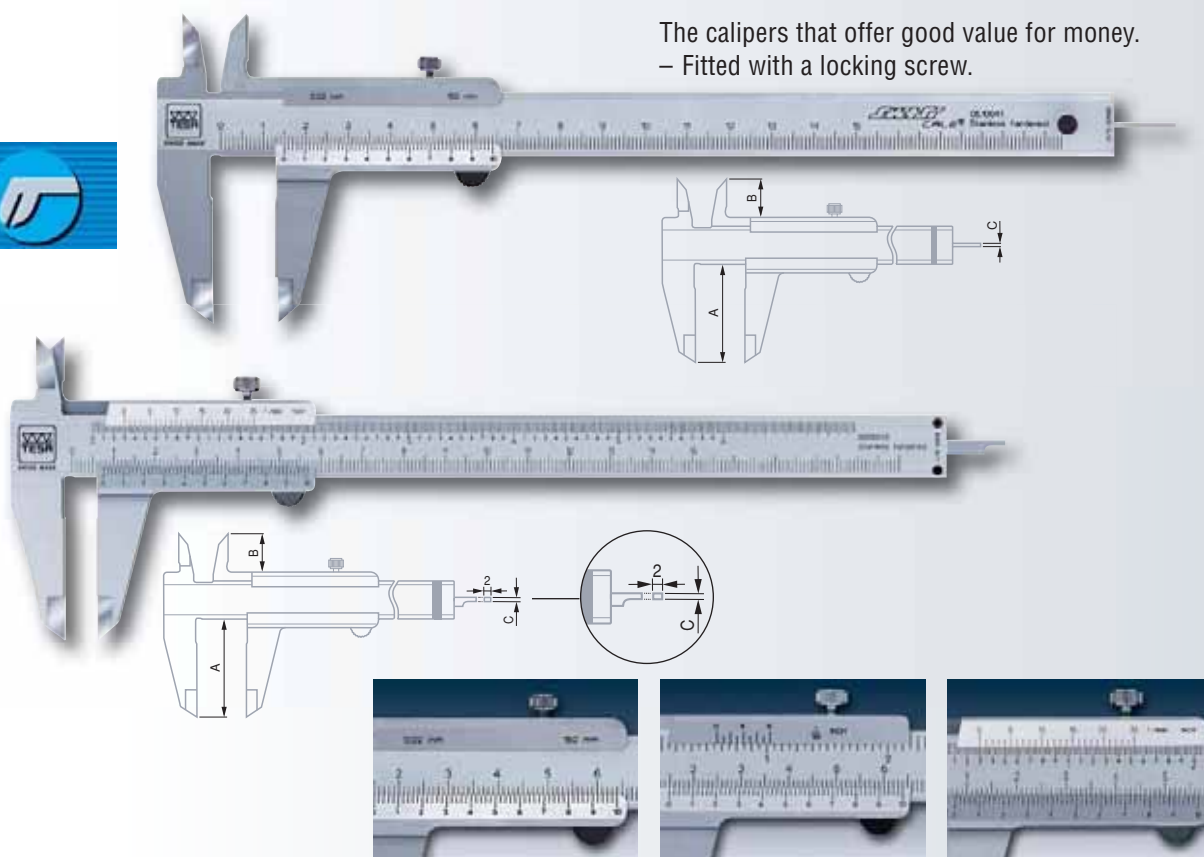
00560013

Depth foot (also see page B-24)



TESA Calipers with Vernier Reading

The calipers that offer good value for money.
– Fitted with a locking screw.



DIN 862
(Style 1AN-2)
NF E 11-091



Satin-chrome scale
background;
main scale
slightly set back for wear
protection



See page B-2



Hardened
stainless steel



Suited
plastic case



Identification
number



Inspection report
with a declaration
of conformity

			mm		in		A mm		B mm		C mm
00510041	SWISSCAL 2		0 ÷ 150	0,02	—	—	40	15,5	Ø 1,5		
00510047	Standard model		0 ÷ 150	0,05	—	—	40	15,5	Ø 1,5		
00530103	Standard model		0 ÷ 150	0,05	0 ÷ 6	$\frac{1}{128}$	40	15,5	Ø 1,5		
00530104	Standard model		0 ÷ 200	0,05	0 ÷ 8	$\frac{1}{128}$	50	18	1,5 x 2		
00530105	Standard model		0 ÷ 300	0,05	0 ÷ 12	$\frac{1}{128}$	64	22	—		
00530110	Standard model		0 ÷ 150	0,02	0 ÷ 6	0.001	40	15,5	Ø 1,5		
00530111	Standard model		0 ÷ 200	0,02	0 ÷ 8	0.001	50	18	1,5 x 2		
00530112	Standard model		0 ÷ 300	0,02	0 ÷ 12	0.001	64	22	—		
00530120	Self-locking model		0 ÷ 150	0,05	0 ÷ 6	$\frac{1}{128}$	40	15,5	1,5 x 2		
00530121	Self-locking model		0 ÷ 150	0,02	0 ÷ 6	0.001	40	15,5	1,5 x 2		
00530130	Self-locking model with parallax-free readout		0 ÷ 150	0,05	0 ÷ 6	$\frac{1}{128}$	40	15,5	1,5 x 2		
00530131	Self-locking model with parallax-free readout		0 ÷ 150	0,02	0 ÷ 6	0.001	40	15,5	1,5 x 2		

Optional Accessories

- 00560013 Depth measuring foot (also see page B-24)
0051610365 Magnetic magnifying glass, 3x magnification

Magnetic Magnifying Glass

Can be mounted on calipers and the like for easier vernier reading.



✓



Plastic
pocket bag



2 permanent
magnets



0051610365



3x magnification



 DIN 862 and factory standard

 See table

 0,01 mm
0.0005 in

 LCD, 8,5 mm

 Floating zero

 Display lock

 mm / in conversion

 Scale with incremental divisions, magnetic

 > 1,5 m / s

 RS232
opto-coupled,
mono- and
bi-directional

 Hardened steel jaws for external dimensions. Also with TiN coating, thickness to 7 mm. Tungsten carbide inserts for internal dimensions, 5 mm dia. Beam with light alloy hollow section, supported by hardened stainless steel rods.

 3V lithium battery, CR 2032

 ≈ 1,5 a
(≈ 3300 h / a)

 5°C to 40°C

 -10°C to 60°C

 IP40
(IEC 60529)

 EN 50081-1
EN 50082-1

 Shipping packaging

 Identification number

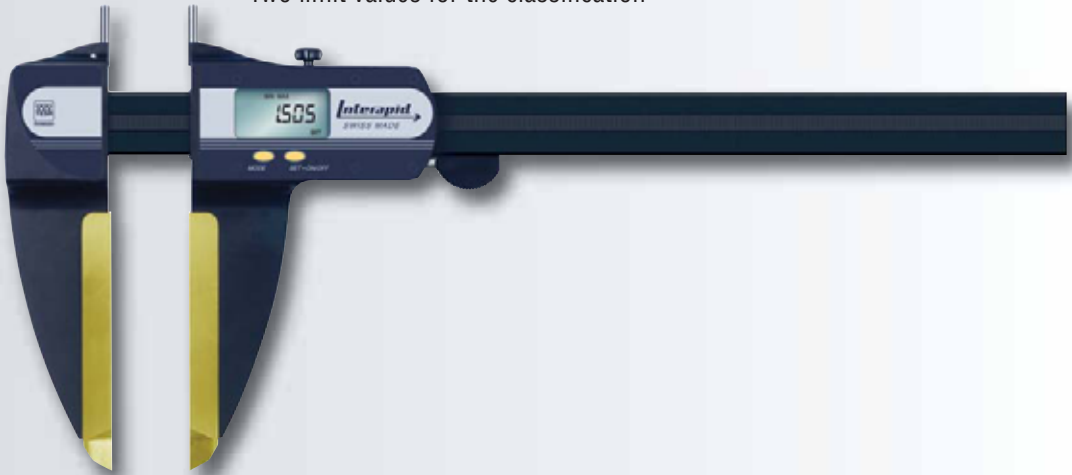
 Inspection report for models up to 1500 mm

 Declaration of conformity

INTERAPID Light

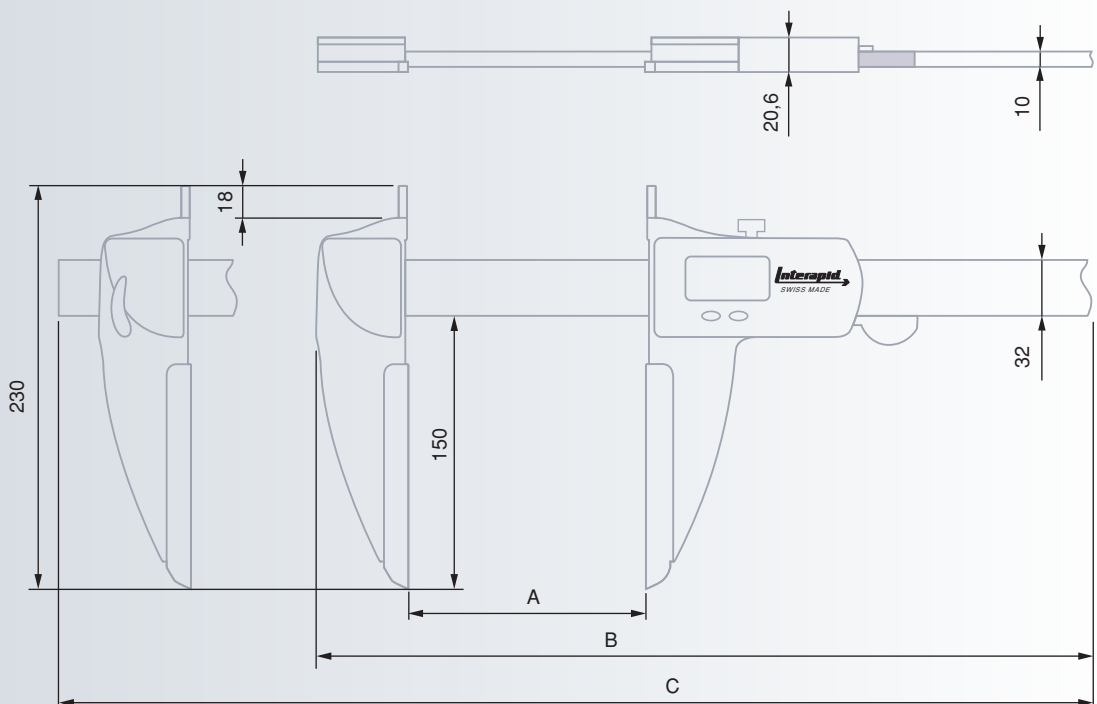
Measuring functions

- Zero setting
- Metric/Inch conversion
- Hold function for displayed value
- OPTO-RS data transfer, mono- and bi-directional
- Two adjustable points of origin (Ref I / Ref II)
- PRESET function
- MIN/MAX mode
- Two limit values for the classification



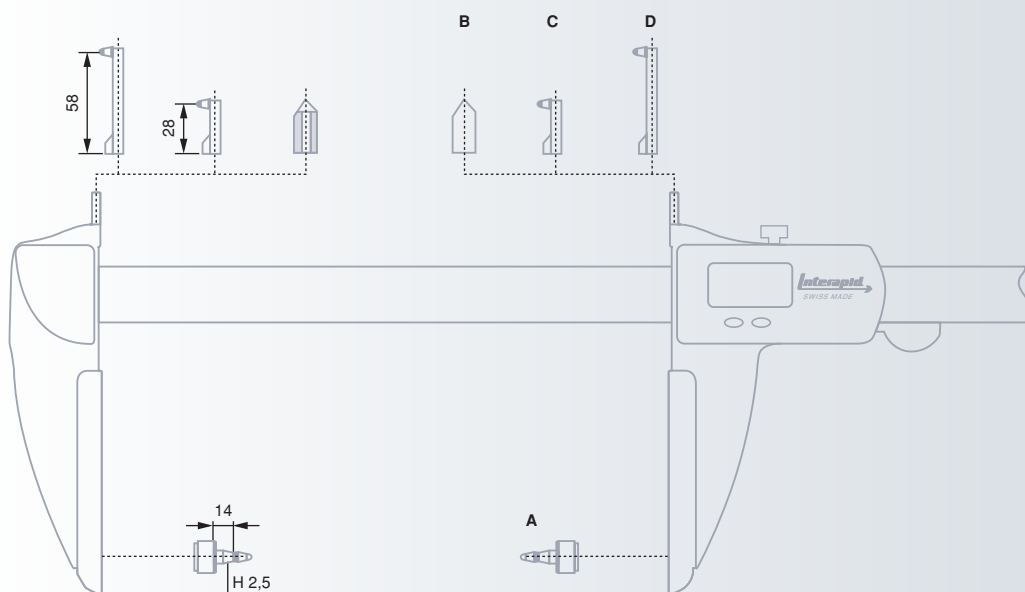
							
		μm	μm	A mm	B fixed	C movable	kg
00590061	INTERAPID Light 300	30	20	330	618	—	1,1
00590062	INTERAPID Light 600	40	20	630	918	—	1,3
00590063	INTERAPID Light 1000	60	20	1025	—	1306	1,6
00590064	INTERAPID Light 1500	150	20	1525	—	1806	2
00590065	INTERAPID Light 2000	250	30	2040	—	2306	2,3
00590066	INTERAPID Light 2500	350	30	2545	—	2806	2,6
00590067	INTERAPID Light 3000	450	40	3050	—	3306	3

Models 300 and 600 mm with a fixed jaw (left), any other model with a movable one.



Standard Accessories

NP	A	=
00560095	A	Insert-holder with a M2,5 thread
00560096	B	60° conical steel pin, hardened steel for measuring centre distances >10 mm
00560097	C	Holder for dial gauge inserts used for groove measurement, L = 28 mm
00560098	D	Holder for dial gauge inserts used for groove measurement, L = 58 mm
00560099		Wooden case for INTERAPID Light 300 mm
00560100		Wooden case for INTERAPID Light 600 mm
00560101		Wooden case for INTERAPID Light 1000 mm
00560102		Wooden case for INTERAPID Light 1500 mm
01961000		3V lithium battery, 190 mAh, type CR 2032
		For connecting cables, see section A





DIN 862
(Style E-ZS/B-ZS)

See table

0,01 mm
0.0005 in

LCD, 7 mm

Floating zero

Display lock

mm / in
conversion

See page B-2

Steel scale with
incremental
divisions, magnetic

> 1,8 m / s

RS232
opto-coupled,
mono- and
bi-directional

Hardened
stainless steel

3V lithium
battery, CR 2032

≈ 1,5 a
(≈ 2000 h / a)

Idle mode
after 10 min.,
automatic switch
off after 2 h.

10°C to 40°C

-10°C to 60°C

100%

IP67
(IEC 60529)

EN 50081-1
EN 50082-1

Wooden or
plastic case
depending on
the model

Identification
number

Inspection
report with a
declaration of
conformity

TESA IP67

*Models with rounded measuring faces
for internal dimensions*



No

mm

in

A mm

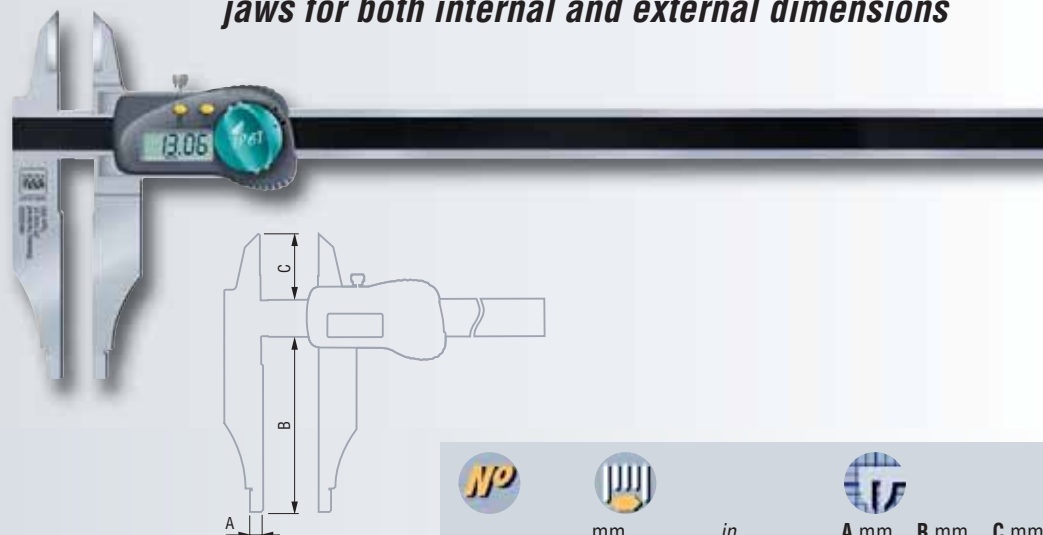
B mm

No	mm	in	A mm	B mm
00530221	0 ÷ 200	0 ÷ 8	5	80
00530222	0 ÷ 250	0 ÷ 10	5	80
00530223	0 ÷ 300	0 ÷ 12	5	90
00530224	0 ÷ 500	0 ÷ 20	10	150
00530225	0 ÷ 600	0 ÷ 24	10	150
00530226	0 ÷ 800	0 ÷ 32	10	150
00530227	0 ÷ 1000	0 ÷ 39	10	150

Optional Accessory

01961000 3V lithium battery, 190 mAh, type CR 2032
For connecting cables, see section A

*Models with rounded measuring faces and knife-edge
jaws for both internal and external dimensions*



No

mm

in

A mm

B mm

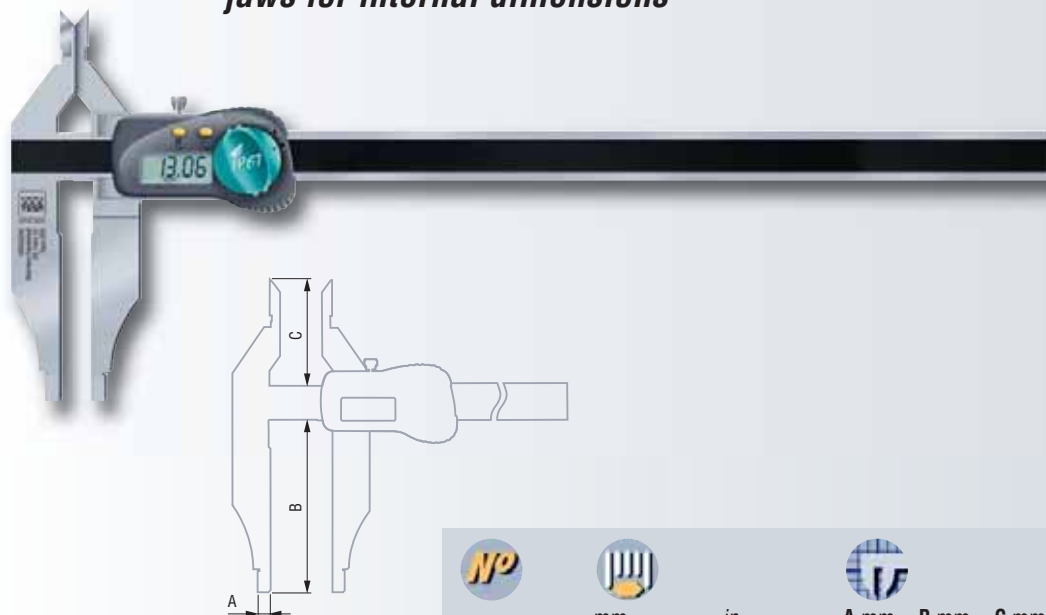
C mm

No	mm	in	A mm	B mm	C mm
00530231	0 ÷ 200	0 ÷ 8	5	80	30
00530232	0 ÷ 250	0 ÷ 10	5	80	37
00530233	0 ÷ 300	0 ÷ 12	5	90	37
00530234	0 ÷ 500	0 ÷ 20	10	150	60
00530235	0 ÷ 600	0 ÷ 24	10	150	60
00530236	0 ÷ 800	0 ÷ 32	10	150	56
00530237	0 ÷ 1000	0 ÷ 39	10	150	56

Optional Accessory

01961000 3V lithium battery, 190 mAh, type CR 2032
For connecting cables, see section A

Model with rounded measuring faces and knife-edge jaws for internal dimensions



					
00530230	0 ÷ 250	0 ÷ 10	5	80	54

Optional Accessory

01961000	3V lithium battery, 190 mAh, type CR 2032 For connecting cables, see section A
-----------------	---

-  ✓
-  DIN 862 (Style D-ZS)
-  0,01 mm
0.0005 in
-  LCD, 7 mm
-  Floating zero
-  Display lock
-  mm / in conversion
-  See page B-2
-  Steel scale with incremental divisions, magnetic
-  > 1,8 m / s
-  RS232 opto-coupled, mono- and bi-directional
-  Hardened stainless steel
-  3V lithium battery, CR 2032
-  ≈ 1,5 a
(≈ 2000 h / a)
-  Idle mode after 10 min., automatic switch off after 2 h.
-  10°C to 40°C
-  -10°C to 60°C
-  100%
-  IP67 (IEC 60529)
-  EN 50081-1
EN 50082-1
-  Wooden case or plastic case depending on the model
-  Identification number
-  Inspection report with a declaration of conformity



DIN 862
(Style EN-2)
NF E 11-091



Satin-chrome scale
background;
main scale
slightly set back for
wear protection



See page B-2



Hardened
stainless steel



Wooden case or
plastic case
depending on
the model



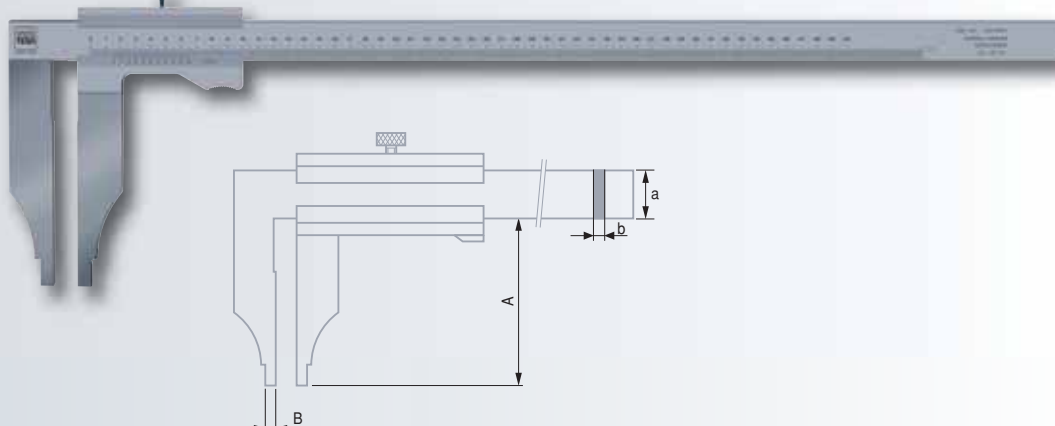
Identification
number



Inspection report
with a declaration
of conformity

Models with rounded measuring faces for internal dimensions

– Without fine adjust device



						mm			
						a	b	A	B
00510509*						17	3,5	80	5
00530509						17	3,5	80	5
00510506						17	3,5	80	5
00510511						20	4	90	5
00510512						20	4	90	5
00510521						20	4	90	5
00530521						20	4	90	5
00510522						20	4	90	5
00510531						24,5	5	125	10
00530531						24,5	5	125	10
00510541						28	6	150	10
00510542						28	6	150	10
00510551						28	6	150	10

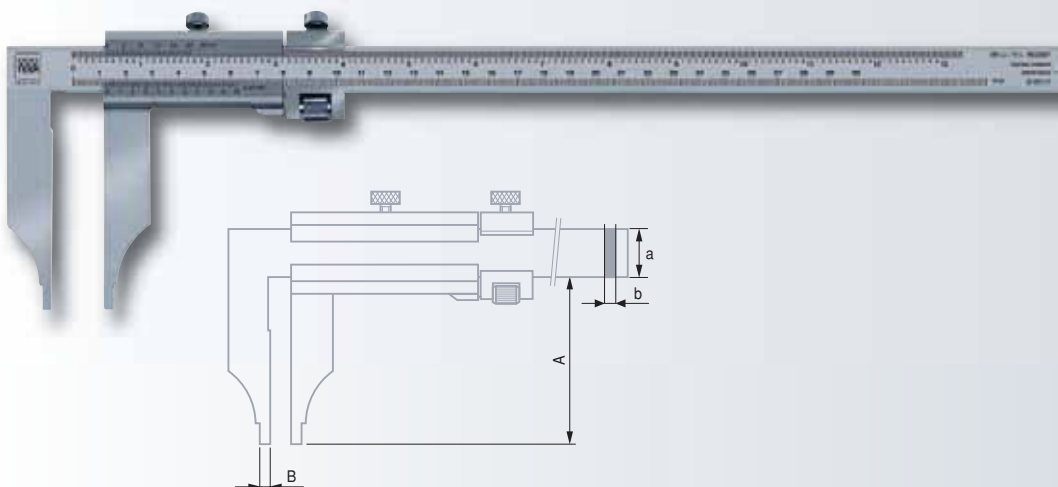
Optional Accessory

0051610365 Magnetic magnifying glass, 3x magnification

* Provided with a stainless steel rule No. 0951750181, 200 mm long.

Models with rounded measuring faces for internal dimensions

– With fine adjust device



DIN 862
(Style EN-2F)
NF E 11-091



Satin-chrome
scale background;
main scale
slightly set back for
wear protection



See page B-2



Hardened
stainless steel



Wooden case or
plastic case
depending on
the model



Identification
number



Inspection report
with a declaration
of conformity



mm

	mm	mm	in	in	a	b	A	B
00510601	0 ÷ 200	0,02	–	–	17	3,5	80	5
00510611	0 ÷ 250	0,02	–	–	20	4	90	5
00510621	0 ÷ 300	0,02	–	–	20	4	90	5
00510641	0 ÷ 500	0,02	–	–	28	6	150	10
00510651	0 ÷ 600	0,02	–	–	28	6	150	10
00510661	0 ÷ 800	0,02	–	–	32	8	150	10
00510671	0 ÷ 1000	0,02	–	–	32	8	150	10
00510681	0 ÷ 1500	0,02	–	–	40	8	300	15
00510691	0 ÷ 2000	0,02	–	–	40	8	300	15

Optional Accessory

0051610365 Magnetic magnifying glass, 3x magnification



DIN 862
(Style BN-2)
NF E 11-091



Satin-chrome
scale background;
main scale
slightly set back for
wear protection



See page B-2



Hardened
stainless steel



Wooden case
or plastic case
depending on
the model



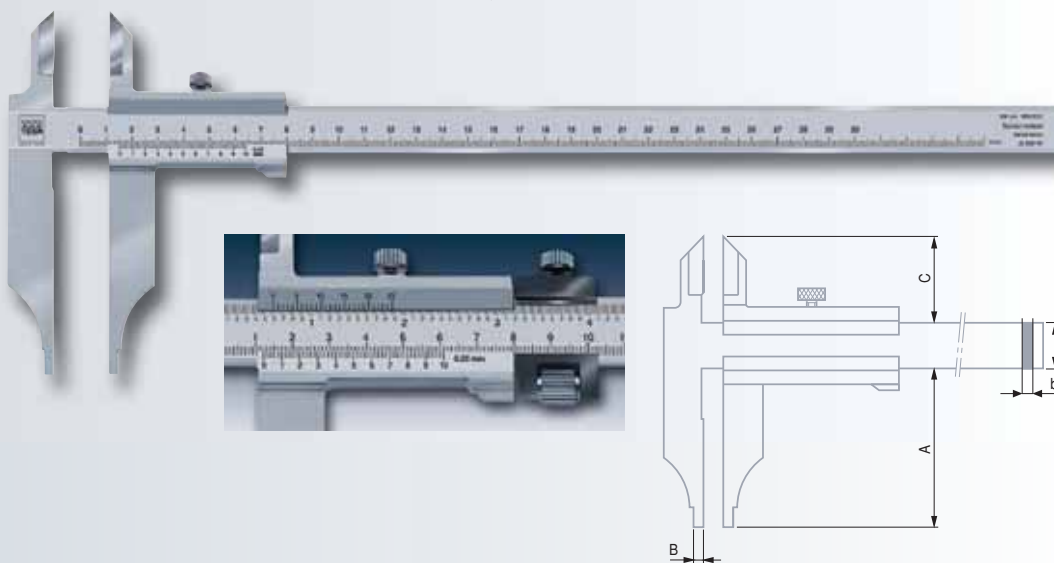
Identification
number



Inspection report
with a declaration
of conformity

Models with knife-edge jaws and rounded measuring faces for both external and internal dimensions

– With or without fine adjust device



mm

mm

mm

in

in

a

b

A

B

C

Without fine adjust device

00510701	0 ÷ 200	0,02	–	–	17	3,5	80	5	30
00530701	0 ÷ 200	0,02	0 ÷ 8	0.001	17	3,5	80	5	30
00510711	0 ÷ 250	0,02	–	–	20	4	80	5	38
00510721	0 ÷ 300	0,02	–	–	20	4	90	5	38
00530721	0 ÷ 300	0,02	0 ÷ 12	0.001	20	4	90	5	38
00510722	0 ÷ 300	0,05	–	–	20	4	90	5	38
00510741	0 ÷ 500	0,02	–	–	28	6	150	10	60
00530741	0 ÷ 500	0,02	0 ÷ 20	0.001	28	6	150	10	60
00510751	0 ÷ 600	0,02	–	–	28	6	150	10	60

With fine adjust device

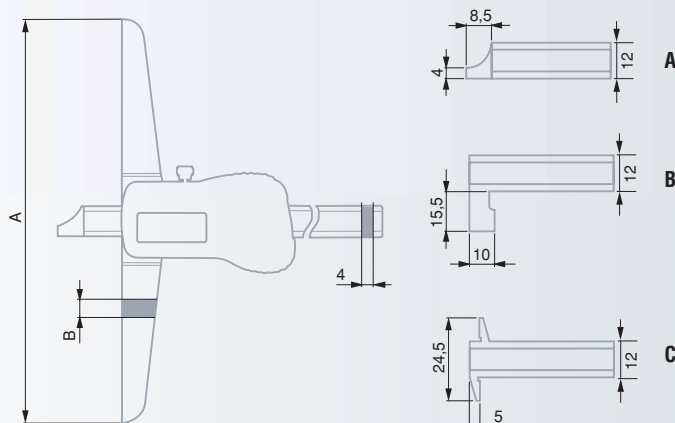
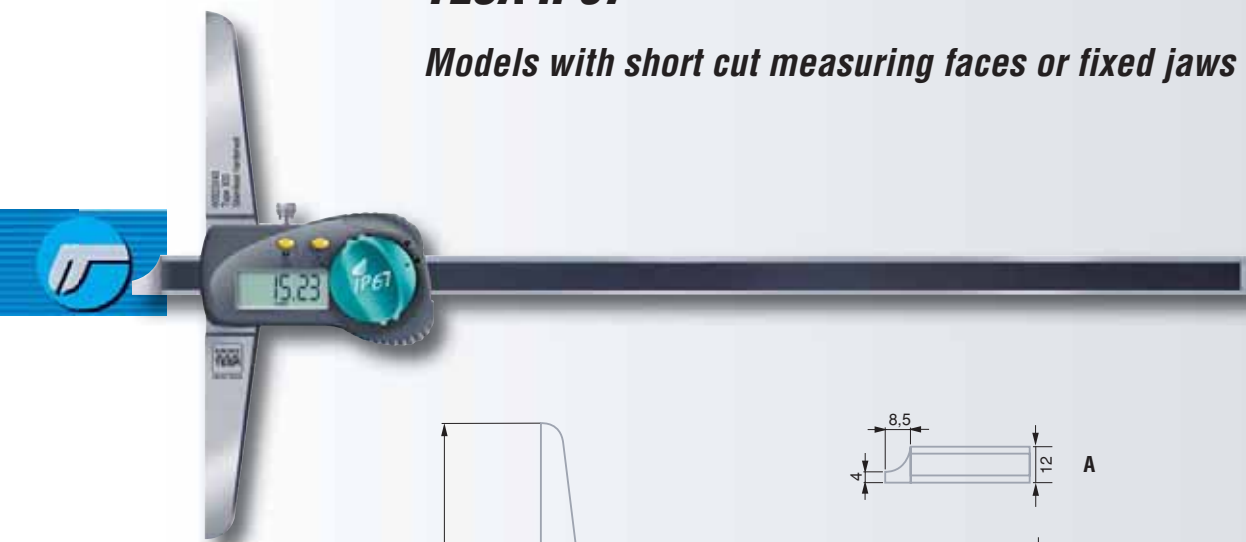
00510801	0 ÷ 200	0,02	–	–	17	3,5	80	5	30
00510821	0 ÷ 300	0,02	–	–	20	4	90	5	38
00530821	0 ÷ 300	0,02	0 ÷ 11	0.001	20	4	90	5	38
00510822	0 ÷ 300	0,05	–	–	20	4	90	5	38
00510841	0 ÷ 500	0,02	–	–	28	6	150	10	60
00530841	0 ÷ 500	0,02	0 ÷ 20	0.001	28	6	150	10	60
00510861	0 ÷ 800	0,02	–	–	32	8	150	10	56
00510871	0 ÷ 1000	0,02	–	–	32	8	150	10	56

Optional Accessory

0051610365	Magnetic magnifying glass, 3x magnification
------------	---

TESA IP67

Models with short cut measuring faces or fixed jaws



				
	mm	in	A mm	B mm

Models A with a short cut measuring face

00530241	0 ÷ 200	0 ÷ 8	100	8
00530242	0 ÷ 250	0 ÷ 10	100	8
00530243	0 ÷ 300	0 ÷ 12	150	8
00530244	0 ÷ 500	0 ÷ 20	150	8

Models B with one fixed jaw

00530245	0 ÷ 300	0 ÷ 12	150	8
00530246	0 ÷ 500	0 ÷ 20	150	8

Models C with two fixed jaws

00530247	0 ÷ 300	0 ÷ 12	150	8
----------	---------	--------	-----	---

Optional Accessories

	200, 300 or 400 mm removable bridge (see page B-19)
01961000	3V lithium battery, 190 mAh, type CR 2032 For connecting cables, see section A



DIN 862
(Style C-ZS)



See table



0,01 mm
0.0005 in



LCD, 7 mm



Floating zero



Display
lock



mm / in
conversion



See page B-2



Glass scale with
incremental divi-
sions, magnetic



> 1,8 m / s



RS232 opto-
coupled, mono-
and bi-directional



Hardened
stainless
steel



3V lithium battery,
CR 2032



≈ 1,5 a
(≈ 2000 h / a)



Idle mode
after 10 min.,
automatic switch
off after 2 h.



10°C to 40°C



-10°C to 60°C



100%



IP67
(IEC 60529)



EN 50081-1
EN 50082-1



Wooden case
or plastic case
depending on
the model

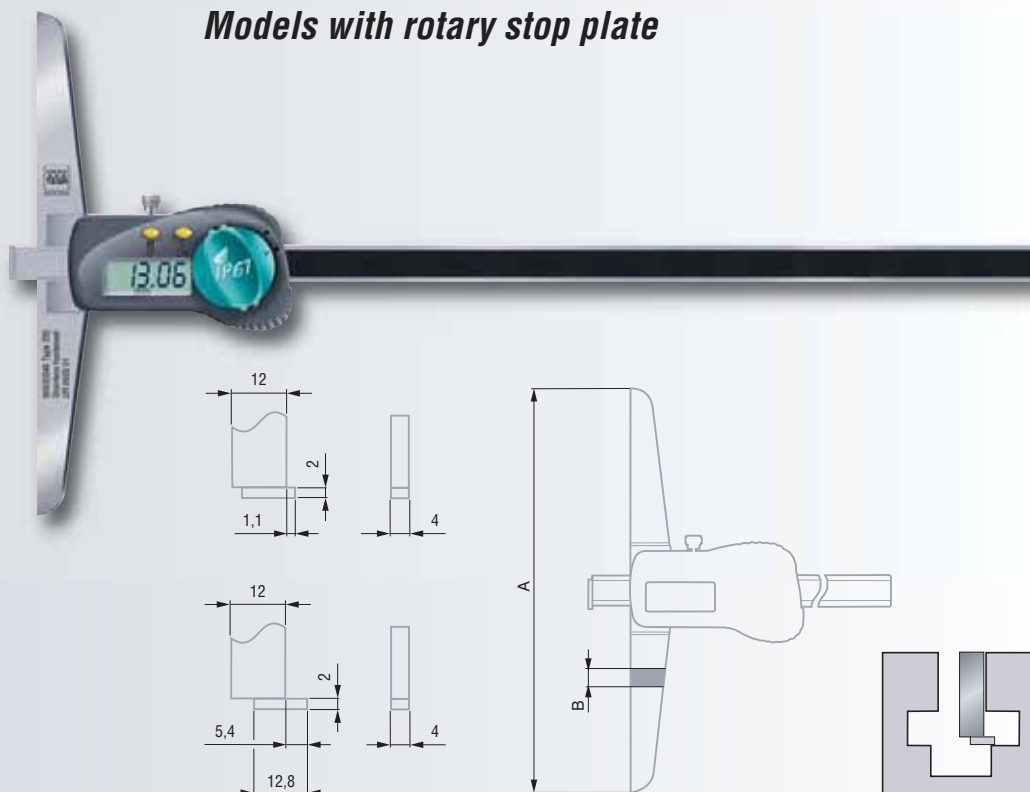


Identification
number



Inspection report
with a declaration
of conformity

Models with rotary stop plate



				
	mm	in	A mm	B mm
00530248	0 ÷ 250	0 ÷ 10	150	8,5
00530249	0 ÷ 350	0 ÷ 14	150	8,5
00530250	0 ÷ 500	0 ÷ 20	150	8,5
Optional Accessories				
	200, 300 or 400 mm removable bridge (also see page B-19)			
01961000	3V lithium battery, 190 mAh, type CR 2032			
	For connecting cables, see section A			

Small-sized caliper with measuring tip



		
	mm	in
00530251	0 ÷ 25	0 ÷ 1
<i>Optional Accessory</i>		
01961000	3V lithium battery, 190 mAh, type CR 2032	
	For connecting cables, see section A	



DIN 862
(Style C-ZS)

See table

0,01 mm
0.0005 in

LCD, 7 mm

Floating zero

Display lock

mm / in
conversion

See page B-2

Steel scale with
incremental
divisions, magnetic

> 1,8 m / s

RS232 opto-
coupled, mono-
and bi-directional

Hardened
stainless steel

3V lithium
battery, CR 2032

≈ 1,5 a
(≈ 2000 h / a)

Idle mode
after 10 min,
automatic switch
off after 2 h.

10°C to 40°C

-10°C to 60°C

100%

IP67
(IEC 60529)

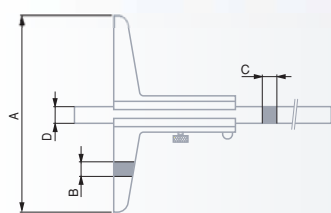
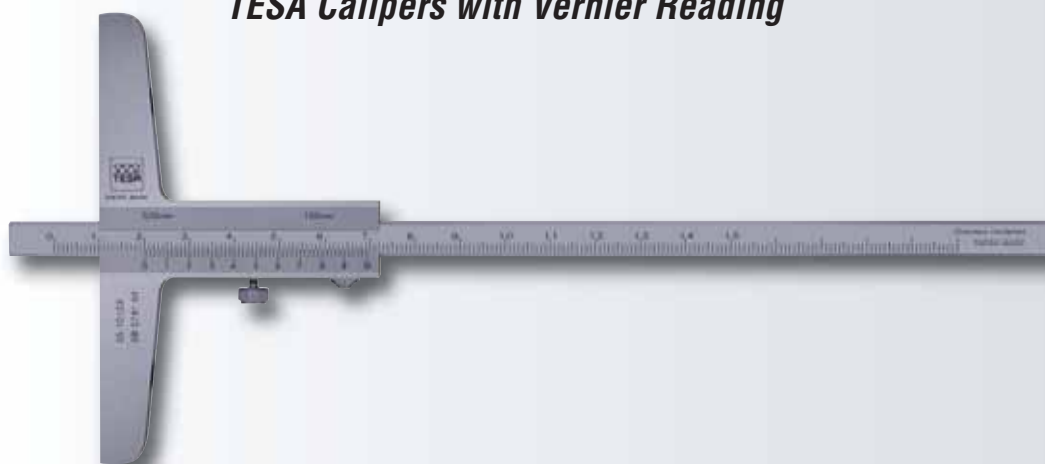
EN 50081-1
EN 50082-1

Wooden case
or plastic case
depending on
the model

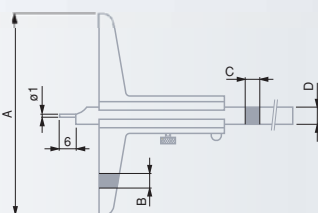
Identification
number

Inspection
report with a
declaration of
conformity

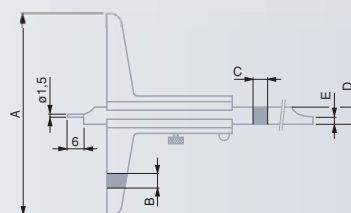
TESA Calipers with Vernier Reading



A



B



C



DIN 862
(Style C-2)
NF E 11-096



Satin-chrome
scale background;
main scale
slightly set back for
wear protection



See page B-2



Hardened
stainless steel



Plastic case



Identification
number



Inspection report
with a declaration
of conformity



mm



mm



mm

A

B

C

D

E

Models A with a flat measuring face

00510133	0 ÷ 150	0,02	100	7,5	3	8	—
00510134	0 ÷ 150	0,05	100	7,5	3	8	—
00510143	0 ÷ 250	0,02	100	7,5	3	8	—
00510144	0 ÷ 250	0,05	100	7,5	3	8	—
00510163	0 ÷ 500	0,02	100	8,5	4	12	—
00510164	0 ÷ 500	0,05	100	8,5	4	12	—
00510173	0 ÷ 600	0,02	150	8,5	4	12	—

Model B with a steel tip

00510111*	0 ÷ 80	0,02	50	7,5	3	8	—
-----------	--------	------	----	-----	---	---	---

Models C with both a short cut measuring face and steel tip. Convertible models

00510123	0 ÷ 150	0,02	100	7,5	3	8	3,5
00510124	0 ÷ 150	0,05	100	7,5	3	8	3,5
00510125	0 ÷ 250	0,02	100	7,5	3	8	4
00510126	0 ÷ 250	0,05	100	7,5	3	8	4

Optional Accessories

0051610365	Magnetic magnifying glass, 3x magnification
	200, 300 or 400 mm removable bridge (see page B-19)

* The removable bridges available as an option is not convenient for this model.



DIN 862
(Style C-2)
NF E 11-096



Satin-chrome
scale background;
main scale
slightly set back for
wear protection



See page B-2



Hardened
stainless steel



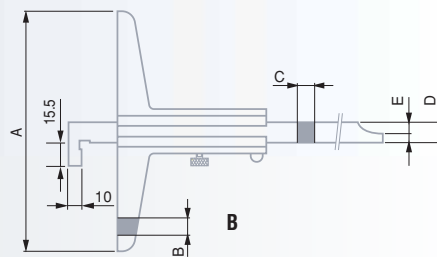
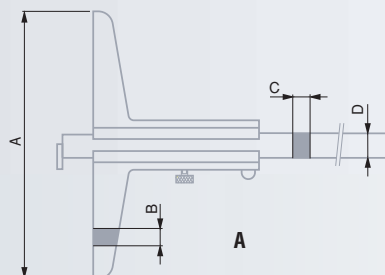
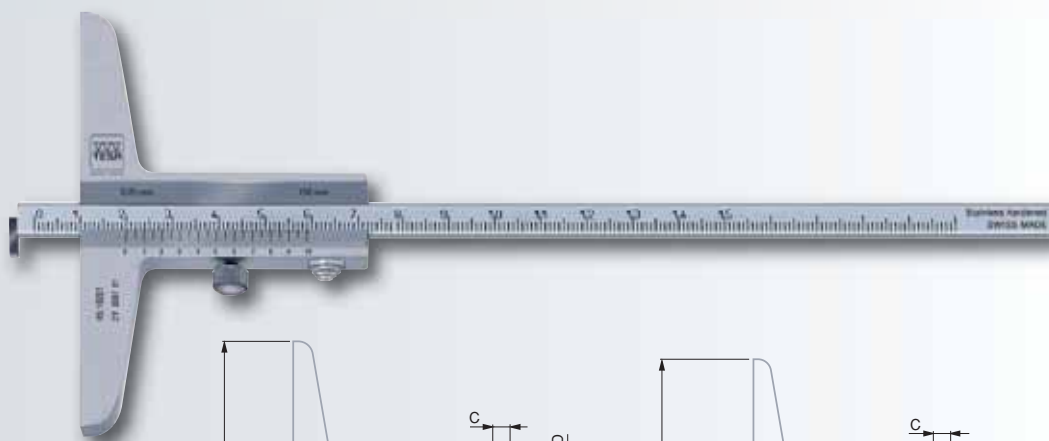
Plastic case



Identification
number



Inspection report
with a declaration
of conformity



mm

A

B

C

D

E

Models A with rotary stop plate

00510202	0 ÷ 150	0,02	130	8,5	4	12	—
00510201	0 ÷ 150	0,05	130	8,5	4	12	—
00510212	0 ÷ 250	0,02	130	8,5	4	12	—
00510211	0 ÷ 250	0,05	130	8,5	4	12	—
00510222	0 ÷ 500	0,02	130	8,5	4	12	—

Models B with both a fixed stop plate and short cut measuring face. Convertible models

00510175	0 ÷ 150	0,02	100	7,5	3	8	3,5
00510177	0 ÷ 250	0,02	130	8,5	4	12	4
00510179	0 ÷ 300	0,02	150	8,5	4	12	4
00510181	0 ÷ 500	0,02	150	8,5	4	12	4

Optional Accessories

0051610365	Magnetic magnifying glass, 3x magnification 200, 300 or 400 mm removable bridge (see the table below)
------------	--

Removable Bridge



A mm

B mm

C mm



mm



mm



µm

00560103	Removable bridge	200	8	10	± 0,005	0,02	8
00560104	Removable bridge	300	8	16	± 0,005	0,02	10
00560105	Removable bridge	400	8	16	± 0,005	0,03	10

Each bridge comes with suited attachment.



Factory
standard



See table



Suited
carrying case



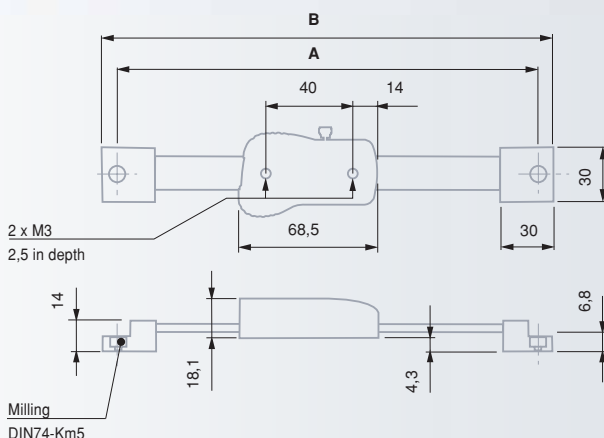
Identification
number



Inspection report
with a declaration
of conformity

Horizontal or Vertical Scale Unit

Lets you measure and position any assembly on fixtures, presetting devices for tooling or machines. Flexible mounting for use in any position.



				
	mm	in	A mm	B mm
00530271	0 ÷ 150	0 ÷ 6	265	278
00530273	0 ÷ 300	0 ÷ 12	415	428
00530274	0 ÷ 600	0 ÷ 24	725	738
00530275	0 ÷ 1000	0 ÷ 40	1135	1148
<i>Optional Accessory</i>				
01961000	3V lithium battery, 190 mAh, type CR 2032			
	For connecting cables, see section A			



Factory standard



See table



0,01 mm
0.0005 in



LCD, 7 mm



Floating zero



Display lock



mm / in conversion



See page B-2



Steel scale with incremental divisions, magnetic



> 1,8 m / s



RS232 opto-coupled, mono- and bi-directional



Hardened stainless steel



3V lithium battery, CR 2032



≈ 1,5 a
(≈ 2000 h / a)



Idle mode after 10 min., automatic switch off after 2 h.



10°C to 40°C



-10°C to 60°C



100%



IP67
(IEC 60529)



EN 50081-1
EN 50082-1



Suited carrying case



Identification number



Inspection report with a declaration of conformity



Factory standard



Satin-chrome scale background; main scale slightly set back for wear protection.



Hardened stainless steel



Wooden case



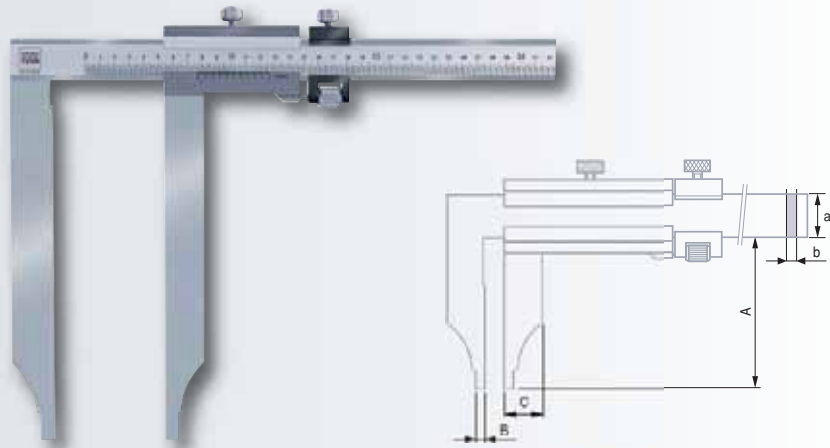
Identification number



Inspection report with a declaration of conformity

TESA Calipers

– With extra long jaws and fine adjust device



mm

	mm	mm	a	b	A	B	C
00510921	0 ÷ 500	0,02	28	6	250	10	30
00510922	0 ÷ 500	0,05	28	6	250	10	30
00510941	0 ÷ 1000	0,02	32	8	300	10	30
00510942	0 ÷ 1000	0,05	32	8	300	10	30

Optional Accessory

0051610365 Magnetic magnifying glass, 3x magnification



NF E 11-096



Satin-chrome scale background; main scale slightly set back for wear protection.



Hardened stainless steel



Wooden case

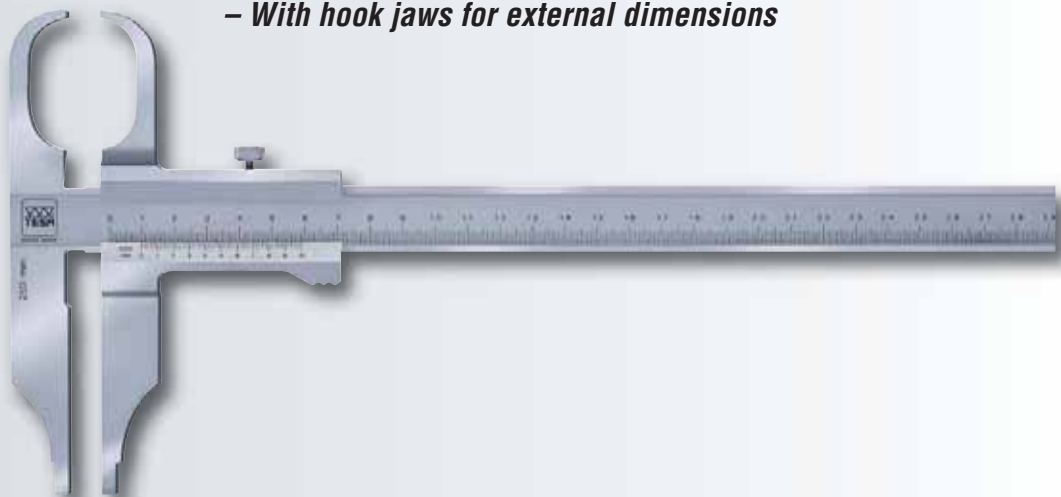


Identification number



Declaration of conformity

– With hook jaws for external dimensions



mm

mm

00510911

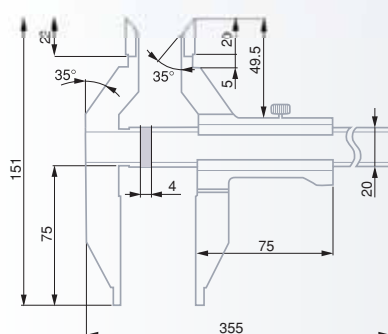
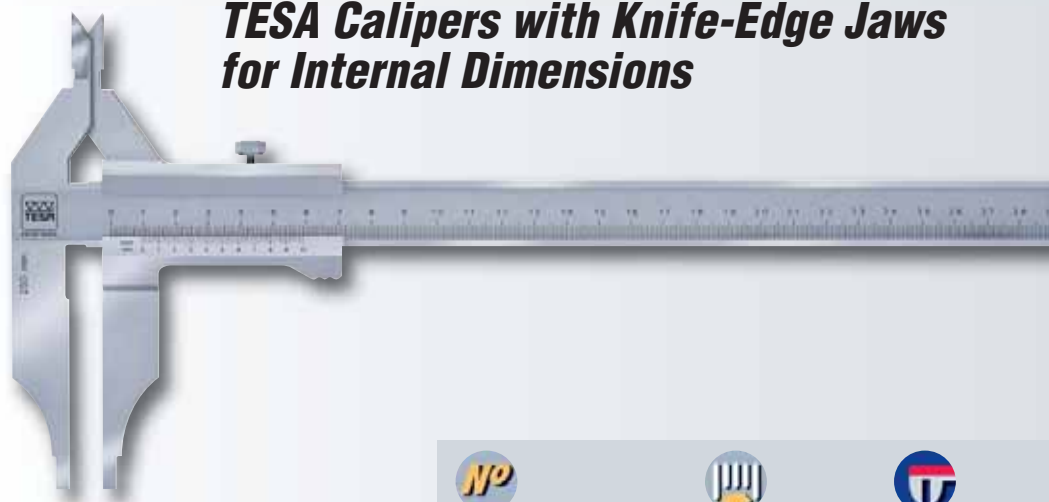
0 ÷ 250

0,02

Optional Accessory

0051610365 Magnetic magnifying glass, 3x magnification

TESA Calipers with Knife-Edge Jaws for Internal Dimensions



00510915

0 ÷ 250

0,02

Optional Accessory

0051610365 Magnetic magnifying glass, 3x magnification



DIN 862
(Style DN-2)
NF E 11-091



Satin-chrome
scale background;
main scale
slightly set back for wear
protection.



Hardened
stainless steel



Wooden case



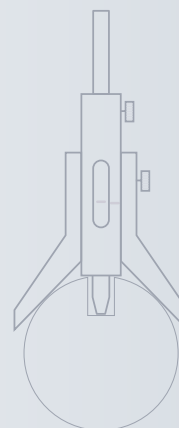
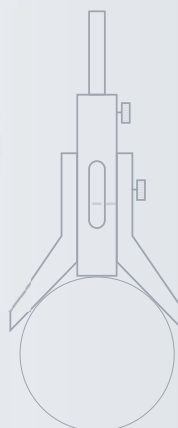
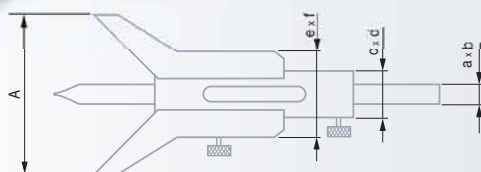
Identification
number



Inspection report
with a declaration
of conformity

TESA Calipers with Vee Bridge

Made to measure groove and slot depths on cylindrical shafts.



NF E 11-096



Satin-chrome
scale background;
main scale
slightly set back for wear
protection.



Hardened
stainless steel



Wooden case



Identification
number



Inspection report
with a declaration
of conformity



mm

mm

mm

a

b

c

d

e

f

A

00512015 5 ÷ 80 0,05 8 2 18 5 32 10 60

00512016 6 ÷ 120 0,05 8 2 18 5 34 10 90

00512017 7 ÷ 160 0,05 10 2 21,5 5 42 10 120

Optional Accessory

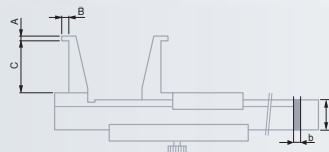
0051610365 Magnetic magnifying glass, 3x magnification



- ✓
- Factory standard
- Satin-chrome scale background; main scale slightly set back for wear protection.
- Hardened stainless steel
- Wooden case
- Identification number
- Inspection report with a declaration of conformity

TESA Calipers for Turned Grooves

Specially designed for measuring groove or slot diameters, e.g. on safety rings.



mm

	mm	mm	a	b	A	B	C
00510371	10 ÷ 160	0,05	16	3	0,9	3	25
00510375	20 ÷ 160	0,05	16	3	2	5	40
00510383	26 ÷ 200	0,02	16	3	3	7	60
00510385	26 ÷ 200	0,05	16	3	3	7	60
00510387	30 ÷ 250	0,02	20	4	4	8,5	80
00510393	35 ÷ 300	0,02	20	4	5	10	100

Optional Accessory

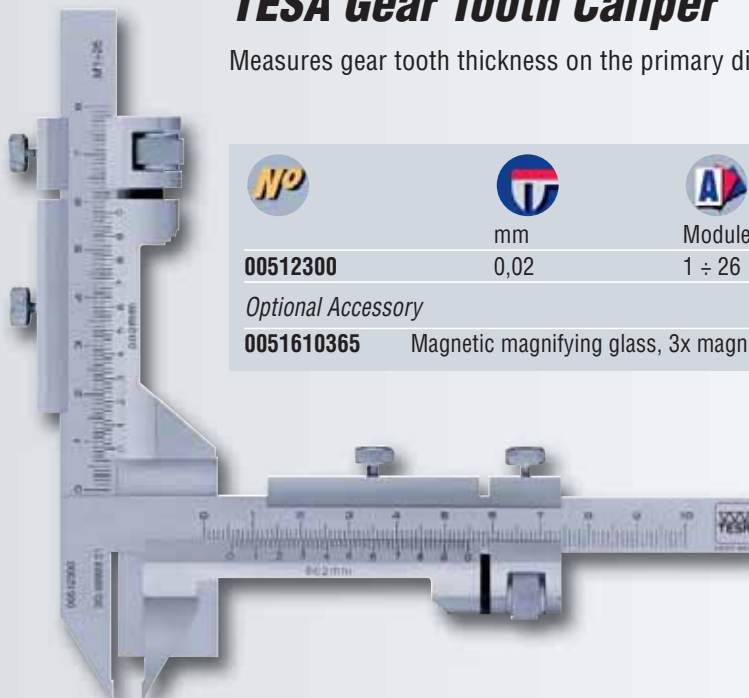
0051610365 Magnetic magnifying glass, 3x magnification



- ✓
- Factory standard
- Each slider with fine adjust device
- Hardened stainless steel. Tungsten carbide coated measuring faces
- Wooden case
- Identification number
- Declaration of conformity

TESA Gear Tooth Caliper

Measures gear tooth thickness on the primary diameter.



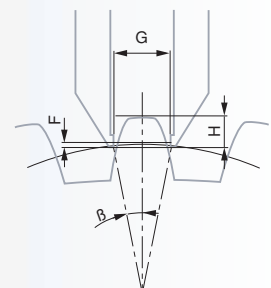
mm

Module

00512300	0,02	1 ÷ 26
----------	------	--------

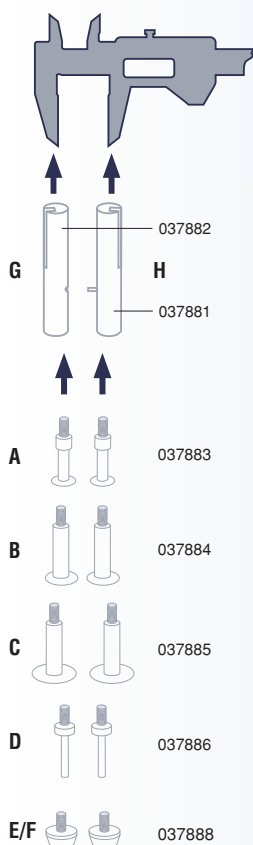
Optional Accessory

0051610365 Magnetic magnifying glass, 3x magnification



Brown & Sharpe Accessory Sets CENTERLINE

Each set includes practical accessories for measuring undercuts, grooves, slots, centre distances of bores, etc. – Fits all calipers with analogue or digital indication covering the measuring range 0 to 150 mm or 0 to 6 in.



CENTERLINE Accessory Sets

- 06769001** Full accessory set provided in a custom wooden case
- 06739000** Full accessory set provided in a fitted wooden case including one TESA Shop-Cal mit capa μ system (No. 00530090)
- 06769008** Full accessory set in a fitted wooden case. Includes a free space arranging for a caliper covering the measuring range 0 to 150 mm / 0 to 6 in to be stored (must be ordered separately).

Complete Sets Including:

A	1 Pair of disc-shaped measuring inserts	6	0,8
B	1 Pair of disc-shaped measuring inserts	10	0,8
C	1 Pair of disc-shaped measuring insert	12,5	0,8
D	1 Pair of cylindrical measuring inserts	1,5	9,5
E	1 Pair of cone-shaped measuring inserts	9	60°
F	1 Pair of cone-shaped measuring inserts	12,5	60°
G	1 Insert-holder (left)		
H	1 Insert-holder (right)		
	1 Socket head key		1,2



Steel with black oxide plating



Inserts with M2,5 threaded coupling.

Lowest centre distance of the mounted insert holder: 10 mm.

Depth Measuring Foot

For use with TESA or ETALON universal calipers with measuring ranges from 0 to 150 mm/0 to 6 in as listed on pages B-3 to B-8.



00560013

75 x 6



Factory standard



Hardened stainless steel



Ground measuring face