



Measuring Supports and Auxiliary Equipment



TESA measuring supports have been designed to offer the best holding stability for instruments such as dial gauges, lever dial test indicators and probes. Stability is the prime requirement needed to reduce the related uncertainties in a measurement method or set-up.





A Base with vee recess and 1 magnetic flat face. Disengageable of magnet possible. Duralumin articulations.

Dovetail clamp with a Ø 8 mm clamping bore

0,4 kg

Supplied without indicator

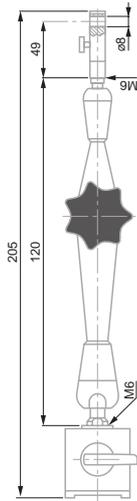
Transport packing

Declaration of conformity

UNIVERSAL SUPPORTS

Magnetic measuring support with suction base or articulated arm.

INTERAPID Magnetic Support with Articulated Arm (small)



Magnetic support with articulated arm

| No | = | | | | | | | Consisting of: |
|----------|---|-------|------|------|--------------|--|--|--|
| | | N | H mm | L mm | Base mm | | | |
| 01639025 | Small magnetic measuring stand with articulated arm | ≈ 170 | 205 | 120 | 30 x 30 x 30 | | | - 1 articulated arm length 120 mm - 1 dovetail clamp with fine adjustment - 1 magnetic base 30 x 30 x 30 (L x W x H) |



A Magnetic base has 1 prismatic and 2 flat faces. Articulations made from duralumin. Disengageable permanent magnet. Dovetail clamp with a Ø 8 mm clamping bore.

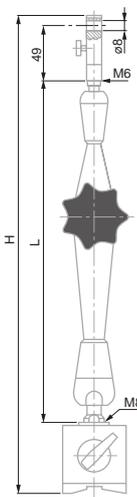
Supplied without measuring instrument

Suitable transport packing

Declaration of conformity

INTERAPID Magnetic Support with Articulated Arm

Simple and secure locking using a single rotating knob
 - highly rigid arm and articulation.



Magnetic support with articulated arm

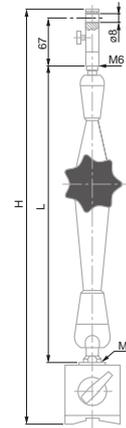
| No | = | | | | | | | | Consisting of: |
|----------|---|-------|------------------|-------------|------|------|--------------|---------|---|
| | | N | V-Base for Ø, mm | Fine adjust | H mm | L mm | Base mm | Mass kg | |
| 01639022 | INTERAPID magnetic support with articulated arm | ≈ 800 | 30 ÷ 150 | ● | 310 | 200 | 60 x 50 x 55 | 1,45 | - Articulated arm - Clamp - Magnetic base |
| 01639023 | INTERAPID magnetic support with articulated arm | ≈ 800 | 30 ÷ 150 | ● | 390 | 280 | 60 x 50 x 55 | 1,85 | - Articulated arm - Clamp - Magnetic base |



INTERAPID Magnetic Support with High Precision Articulated Arm

Magnetic support with high precision articulated arm and fine adjustment for measurements that need repeatability in the range of μm .

Simple and secure locking with a two-position knob. Highly rigid arm and articulation.



Magnetic support with high precision articulated arm



Magnetic base has 1 prismatic and 2 flat faces. Articulations made from duralumin. Disengageable permanent magnet. Dovetail clamp with a $\varnothing 8$ mm clamping bore.



Supplied without measuring instrument



Suitable transport case

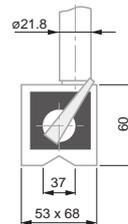


Declaration of conformity

| No | = | | | | | | | |
|----------|--|----------------|-------------------------------|-------------|------|------|--------------|---|
| | | N | V-Base for \varnothing , mm | Fine adjust | H mm | L mm | Base mm | Consisting of: |
| 01639053 | INTERAPID High Precision Magnetic Support with Articulated Arm | ≈ 1000 | $30 \div 150$ | ● | 440 | 320 | 73 x 50 x 55 | <ul style="list-style-type: none"> - Articulated Arm - Clamp - Magnetic base |

INTERAPID Magnetic Support with Flexible Arm

For measurements in hard to reach locations. Instant and reliable locking through lever control.



Holding force on a flat surface ≈ 1000 N



The magnetic base has 1 prismatic and 2 flat faces. Disengageable permanent magnet. Full length 350 mm. Dovetail clamp with an $\varnothing 8$ mm clamping bore.



Supplied without measuring instrument



Suitable transport packing



Declaration of conformity



01639020 Magnetic Support with Flexible Arm



A Switchable magnet. Clamp with Ø 8 mm clamping bore

Supplied without measuring instrument

Suitable transport packing

Declaration of conformity

INTERAPID Inclinable Magnetic Support

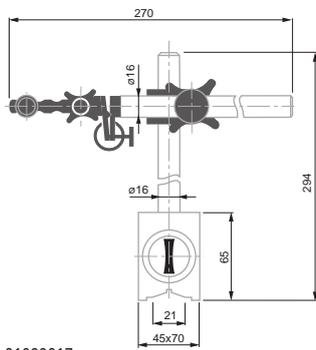
Standard model and models with strong holding force



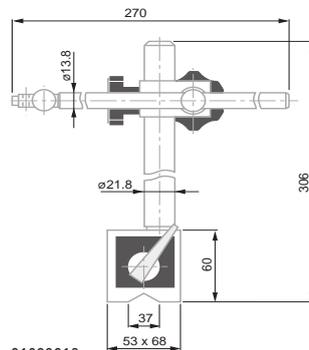
01639017



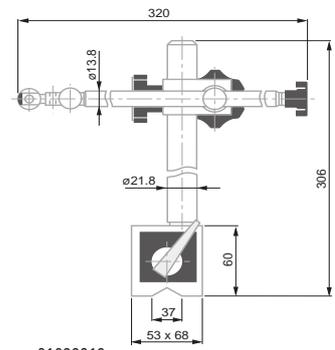
01639019



01639017



01639018



01639019



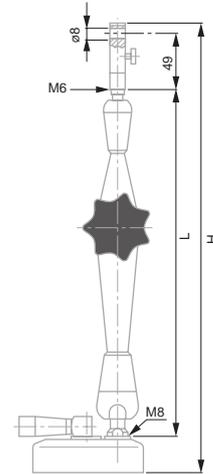
| No | = | N | V-Base for Ø, mm | Standard Version | Fine adjust |
|----------|--|--------|------------------|-------------------------------|-------------|
| 01639017 | INTERAPID magnetic support with V-base, 600 N | ≈ 600 | 70 ÷ 220 | Standard Version | ● |
| 01639018 | INTERAPID magnetic support with V-base, 1000 N | ≈ 1000 | 70 ÷ 220 | Strong magnetic holding force | — |
| 01639019 | INTERAPID magnetic support with V-base, 1000 N | ≈ 1000 | 70 ÷ 220 | Strong magnetic holding force | ● |



INTERAPID Support with Suction Base and Articulated Arm

Holds firmly on any smooth and flat surface

- Clamps instantly and reliably using a suction lever switch.
- Highly rigid articulated arm.
- Free from magnetic fields.



Round suction base made of aluminium (Ø 88 mm, height 28 mm) with flat suction base. Articulations made from duralumin. Suction controlled by lever switch. Dovetail clamp with an Ø 8 mm clamping bore.



1.1 kg



Supplied without measuring instrument



Suitable transport packing



Declaration of conformity



N



Fine adjustment



H, mm



L, mm



Consisting of:

01639024

INTERAPID Measuring support with suction base and articulated arm

≈ 400



363

280

- Articulated arm
- Fine adjust clamp
- Round suction base





Measuring table and column in hardened steel.

A Measuring arm with \varnothing 8 mm clamping bore, without fine adjustment. Measuring span: 48 mm.

2,7 kg

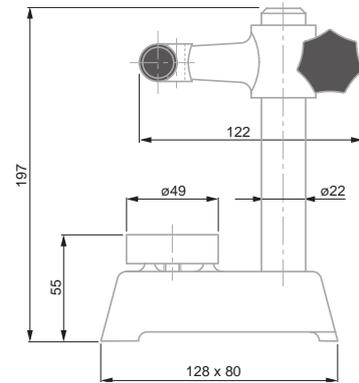
Supplied without measuring instrument

Suitable transport packing

Declaration of conformity

INTERAPID Small Measuring Support and Table \varnothing 49 mm

Round steel measuring table



Application example with DIGICO indicator



01639006 INTERAPID small support with \varnothing 49 mm measuring table

mm

0 ÷ 100

mm

49

INTERAPID Measuring Support with Inclined Frontal Arm



Cast iron base

A Base with front support face. Clamp for \varnothing 8 mm mounting rod or dial gauge with lug back. Model No 01639003 also with dovetail clamp.

1,3 kg (01639003)
4,35 kg (01639004)

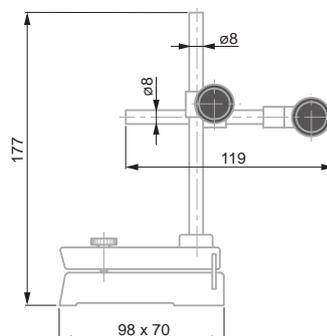
Supplied without dial gauge

Packed suitable for transport

Declaration of conformity



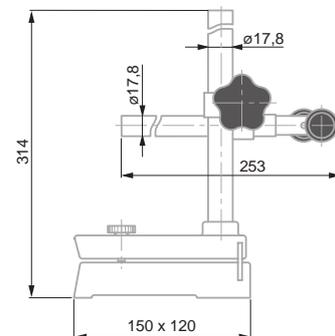
01639003



01939003



01639004



01939004



01639003 INTERAPID Measuring Support with Inclined Frontal Arm H = 177 mm

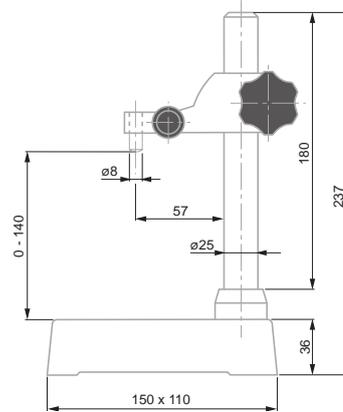
01639004 INTERAPID Measuring Support with Inclined Frontal Arm H = 314 mm

Used in conjunction with:
Lever dial test indicators, small dial gauges
Lever dial test indicators, small dial gauges, precision indicators, probes etc.



INTERAPID UA 1 Table Measuring Support with Ground Table Surface

Basic model without fine adjustment



| | | | |
|----------|---|---------|-----------|
| | | | |
| 01639008 | INTERAPID UA 1 measuring support with table | 0 ÷ 140 | 100 x 100 |



Measuring table: cast iron. Column: chrome-plated steel, Arm: spherical graphite cast iron.



Measuring surface of table: ground. Column: Can be dismantled. Measuring arm with Ø 8 mm clamp.

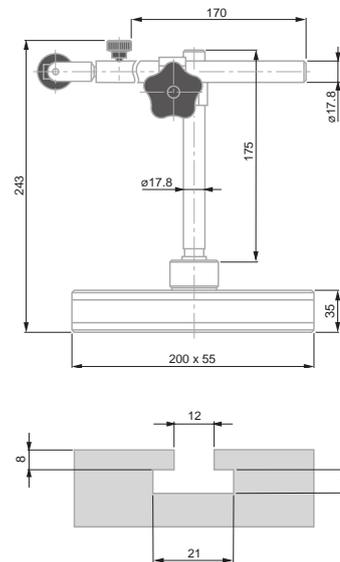


Declaration of conformity

INTERAPID UD12 Support

Medium sized mobile measuring support for use with ever type dial test indicators, dial gauges, precision indicators, electronic probes etc.

With fine adjustment mechanism.



| | | | |
|-------------|--|--|--|
| | | | |
| 01639000 | UD 12 universal support | | |
| COMPOSÉ DE: | | | |
| 01840105 | Tige de fixation à queue d'aronde Ø 8 mm | | |
| 01640100 | UDZ 3 Mounting rod and UDZ3 clamp Ø 8 mm clamp for UD 12 | | |



Cast iron base



Stand with lateral guiding faces. T-slot for vertical column. 2 rigid articulations



Declaration of conformity



INTERRAPID Table Measuring Stands with Granite Grade 00



3 µm in accordance with DIN 876 T1, class 00



01639035: black burnished column with Ø 8 mm clamping bore.

01639029: chrome plated column with thread and threaded ring for adjusting the height of the measuring arm. Ø 8 mm clamping bore. Grooved measuring face.

01639030: Chrome plated column. Tilting measuring arm and joint. Ø 4 mm or 8 mm bore for a dovetail clamp or lug.

01639033: Chrome plated column. Horizontal sliding arm. Ø 4 mm or 8 mm bore for a dovetail clamp or lug.



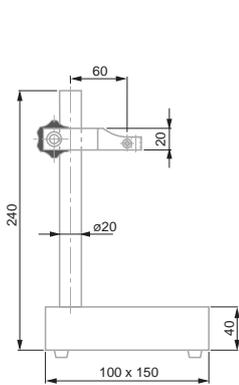
Supplied without measuring instrument



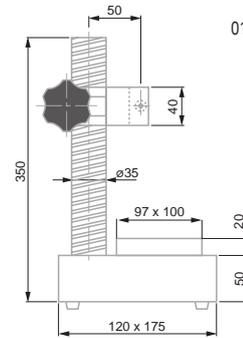
Suitable transport packing



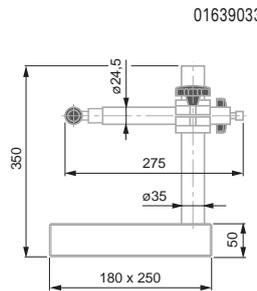
Declaration of conformity



01639035



01639029



01639033



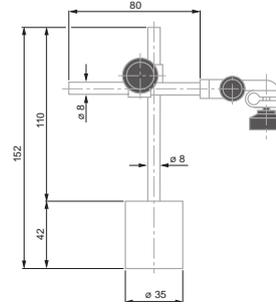
| No | = | | | | | | | | | |
|----------|--|---------|----|-------------------|-----------------|--------------------|------------------|--------------------|------------|------|
| | | mm | mm | Measuring surface | Fine adjustment | Measuring table mm | Column height mm | Working surface mm | Span mm | kg |
| 01639035 | Table measuring support with granite, column Ø 20 | 0 ÷ 170 | 20 | Granite | – | 100 x 150 x 40 | 200 | 100 x 115 | 50,0 | 2,6 |
| 01639029 | Slotted table measuring support with granite, threaded column Ø 35 | 0 ÷ 225 | 35 | Hardened steel | ● | 120 x 175 x 50 | 300 | 100 x 100 | 68,5 | 8,1 |
| 01639033 | Table measuring support with granite, column Ø 35 | 0 ÷ 260 | 35 | Granite | ● | 180 x 250 x 50 | 300 | 180 x 200 | Adjustable | 10,5 |



SMALL MAGNETIC SUPPORTS

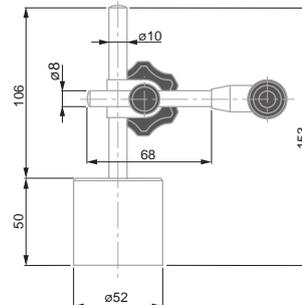
Ideal for lever type dial test indicators, and dial gauges up to 40 mm diameter
- With 2 articulation joints and fine adjustment.

UJ 15 Model



01639007 Magnetic support INTERAPID UJ15, dovetail clamp and $\varnothing 8$ mm cylindrical clamping

UJ 15G Model



01639016 UJ Magnetic support

Accessories for Small Magnetic Stands



01640501 Steel base plate for UJ15 or UJ15G that become movable



Holding force on a flat surface: ≈ 220 N



Rounded base with permanent magnet



0,47 kg



Supplied without indicator



Packed suitable for shipping



Declaration of conformity



Holding force on a flat surface: ≥ 350 N



Rounded base with permanent magnet



0,93 kg



Supplied without indicator



Packed suitable for shipping



Declaration of conformity



50 x 80 x 20 mm



0,60 kg



Cast iron table.
Chrome plated steel
column



Suitable transport
packing



Declaration of
conformity



Support base:
Ground measuring
face. 2 T-slots. Re-
movable column.



Supplied without
sensor

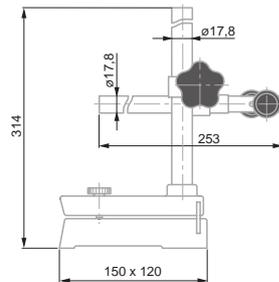


Support base only:
4,85 kg
Measuring arm:
0,85 kg
Sliding arm: 1,75 kg

UA 30 MEASURING STAND

Base for mounting special fixtures adapted for series inspection

INTERAPID UA 30 Measuring Stand, Without Measuring Arm



01639009

INTERAPID UA 30 measuring support with
table, without measuring arm

0 ÷ 175

0 ÷ 6.89

125 x 115



Measuring arm
01610200: With
fine adjustment. 1
mm travel. Ø 8 mm
clamping bore.
Sliding arm
01610201: Sliding
holder for TESA
YA dial gauges.
Adjustable swinging
movement. Clamp-
ing bore Ø 13 mm.
Length of travel
35, 57 or 80 mm.
Measuring span
60 mm. Depth stop
plate 01640000:
Dimensions: 115 x
35 x 3,5 mm.
120° vee recess for
Ø ≤ 120 mm, 2 tight-
ening screws.

Accessories for UA 30



01610200



01610201



01640000



01610200

UK 20 measuring arm with fine adjustment for UA30 support

01610201

UK 25 sliding arm. Used with TESA YA for stationary bore measurement on UA30 support

01640000

UAZ 10 depth stop plate for UA 30



EQUIPEMENT AUXILIAIRES

INTERAPID Depth Foot with a Flat Face



| | | | |
|-----------|---------------------------|----|-----------|
| No | = | | |
| 01639046 | Depth foot with flat face | mm | 80 x 16 8 |

INTERAPID Depth Foot with Prismatic Measuring Face

For measuring the depth of key slots on cylindrical shafts and determining circularity errors etc.



| | | | | | | | |
|-----------|--|-------------|-------------|----------|----------|----------|----------|
| No | = | | | | | | |
| 01639047 | Depth foot with prismatic measuring face | Diameter mm | Diameter in | Width mm | Width in | Clamp mm | Clamp in |
| | | 10 ÷ 100 | 0.39 ÷ 3.9 | 16 | 0.64 | 8 | 0.315 |

Brown & Sharpe CENTER FINDER Centering Tool

Practical for aligning the centre of a bore with respect to the spindle axis of a machine tool

- Without the clamping shaft, it can also serve as small magnetic support
- Allows the clamping of a dial test indicator, either a standard or perpendicular model.



| | |
|-----------|----------------------------------|
| No | = |
| 06769006 | B&S CENTER FINDER centering tool |



Hardened steel



Lapped measuring faces. Clamp with lock for mounting a dial gauge or probe



Supplied without sensor



Suitable transport packing



Declaration of conformity



Hardened steel



Lapped measuring faces. Clamp with lock for mounting a dial gauge or probe



Supplied without sensor



Suitable transport packing



Declaration of conformity



Center Finder consisting of the following components:

- cylindrical shank for clamping on the chuck of a machine tool.
- powerful round magnetic base with strong holding capacity.
- swivel joint and dovetail collar for clamping a lever-type dial test indicator.



Wooden case



Hardened steel



Ground finish for support and vee faces



Not available as individual components

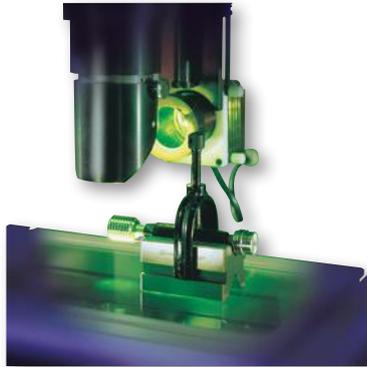


Suitable transport packing

Brown & Sharpe V-Block Set with Clamping Bridge

V-blocks with frames for clamping cylindrical parts diameters ranging from 0,7 to 40 mm.

Can be used for machining or inspecting workpieces



| No | = | ∅ | ∅ | 📦 | Consisting of: | |
|----------|---------------------|--------------------|--------------------|---|----------------------|--------------|
| | | Clamping Range, mm | Clamping Range, in | | | |
| 06769007 | Set of B&S V-blocks | 0,7 ÷ 40 | 0.3 ÷ 9/32 | | 1 pair of V-blocks | 5 ÷ 40 mm |
| | | | | | 1 extra V-block | 3 ÷ 8 mm |
| | | | | | 1 extra V-block | 1,5 ÷ 5 mm |
| | | | | | 5 extra V-blocks | 0,7 ÷ 3,5 mm |
| | | | | | 2 in-between bridges | |
| | | | | | 2 large frames | |
| | | | | | 1 small frame | |



7 µm for each pair



2,5 µm for the 6 faces



Hardened steel, 55 to 60 HRC



Each block has 18 through bores Ø 9,53 mm and 5 bores with M10 threads



Supplied with five M10 socket head screws and one 8 mm socket wrench



Plastic case

Brown & Sharpe Positioning Block Set

Pair of matched blocks used for positioning and holding workpieces or for use as stops on granite surface plates, a coordinate measuring set-up, a machine-tool or other applications - Each block are precision ground.



| No | = | mm | in |
|----------|---|--------------|--------------------|
| 06769004 | Positioning block set, precision ground | 75 x 50 x 25 | 2.95 x 1.95 x 0.98 |



Brown & Sharpe Adjustable Parallels

Set consists of 6 adjustable parallels.

Used as parallel pads, setting standards for measuring instruments or gauges for checking internal dimensions on parallel surfaces.

Each parallel consists of two tapered parts dovetailed together. – Two tightening screws lock the parallels to the size required.



Hardened steel



Supplied with a PH 1 screwdriver



Plastic pouch

| | | | | |
|-----------------|-------------------------|-----------|----------|--|
| No | = | | | |
| 06769010 | Adjustable parallel set | | | |
| Consisting of: | | | | |
| = | + | T | | |
| | Height mm | Length mm | Width mm | |
| 1 parallel | 10 ÷ 13 | 44 | 7 | |
| 1 parallel | 13 ÷ 17 | 54 | 7 | |
| 1 parallel | 17 ÷ 24 | 68 | 7 | |
| 1 parallel | 24 ÷ 33 | 90 | 7 | |
| 1 parallel | 33 ÷ 44 | 106 | 7 | |
| 1 parallel | 44 ÷ 57 | 129 | 7 | |



ROCH Flexible Rules

In spring stainless steel - Divisions of 1 mm and 0.5 mm.



Class CE II



Stainless spring-loaded steel



Suitable transport packing



Declaration of conformity



| | | | | |
|-------------------|--------------------------------|------------|----------|--------------|
| No | = | | T | T |
| | | Length mm | Width mm | Thickness mm |
| 0951750181 | ROCH flexible rule L = 200 mm | | | |
| 0951750182 | ROCH flexible rule L = 300 mm | | | |
| 0951750184 | ROCH flexible rule L = 500 mm | | | |
| 0951750187 | ROCH flexible rule L = 1000 mm | | | |

- Length L = 100 mm, Width = 13 mm max.
- Alloyed steel
- Blades not supplied individually
- Plastic pouch
- Declaration of conformity

ROCH Thickness Gauges



| No | = | | | | | |
|------------|---|---|------------------------|----------------|---------------------|-----|
| | | Thickness mm | Incrément mm | Thickness in. | Number of blades | |
| 0951753013 | | ROCH thickness gauge with 13 blades, 0,05 to 1,0 mm | 0,05 ÷ 0,3 / 0,4 ÷ 1,0 | 0,05 / 0,1 | 0.001968 ÷ 0.003937 | 6/7 |
| 0951753014 | | ROCH thickness gauge with 20 blades: 0,05 to 1,0 mm | 0,05 ÷ 1,0 | 0,05 | 0.001968 ÷ 0.003937 | 20 |
| 0951753015 | | ROCH thickness gauge with 21 blades; 0,1 to 0,2 mm | 0,1 ÷ 2,0 | 0,1 + 1 x 0,05 | 0.003937 ÷ 0.07874 | 21 |

ROCH Radius Gauges

Set of radius gauges with concave and convex blades. Designed for visual inspection of radii.



- Stainless steel
- Blades are not supplied individually
- Plastic pouch
- Declaration of conformity

| No | = | | | | | |
|------------|---|---------------------------------|----------|---------------------------|------------------|--------|
| | | Radius mm | Radii mm | Incrément mm | Number of blades | |
| 0951753001 | | ROCH Radius Gauge 2 x 17 blades | 0,1 | 1,0 ÷ 2,75 / 3,0 ÷ 7,0 | 0,25 / 0,5 | 2 x 17 |
| 0951753002 | | ROCH radius gauge 2 x 16 blades | 0,15 | 7,5 ÷ 15,0 | 0,5 | 2 x 16 |
| 0951753003 | | ROCH radius gauge 2 x 15 blades | 0,2 | 15,5 ÷ 19,5 / 20,0 ÷ 25,0 | 0,2 | 2 x 15 |

ROCH Screw Pitch Gauges

60° flank angles for ISO metric threads or 55° for Whitworth threads.



- Alloyed steel
- Blades are not supplied individually
- Plastic pouch
- Declaration of conformity

| No | = | | | | |
|------------|---|--|---|---------------|----------------------------------|
| | | Thread pitch mm | Threads per in | Metric thread | |
| 0951753045 | | ROCH screw pitch gauge for ISO 60° threads | 0,25 / 0,3 / 0,35 / 0,4 / 0,45 / 0,5 / 0,6 / 0,7 / 0,75 / 0,8 / 0,9 / 1,0 / 1,25 / 1,5 / 1,75 / 2,0 / 2,5 / 3,0 / 3,5 / 4,0 / 4,5 / 5,0 / 5,5 / 6,0 | - | ISO 60° mm |
| 0951753046 | | ROCH screw pitch gauge - Whitworth 55° threads | 62 / 60 / 48 / 40 / 36 / 32 / 30 / 28 / 26 / 25 / 24 / 22 / 20 / 19 / 18 / 16 / 14 / 13 / 12 / 11 / 10 / 8 / 7 / 6 / 5 / 4,5 / 4 | - | Whitworth 55° (threads per inch) |



ROCH Portable Magnifier

With a folding handle and additional magnifier. – Retractable support.



Solid resistant plastic



Cardboard box



Declaration of conformity

| No | = |  |  |  |  |
|------------|-------------------------|---|---|---|---|
| | | Large magnifier | Small magnifier | mm | Small magnifier, mm |
| 0951754511 | ROCH portable magnifier | 3x | 10x | 80 x 45 | 13 |

