

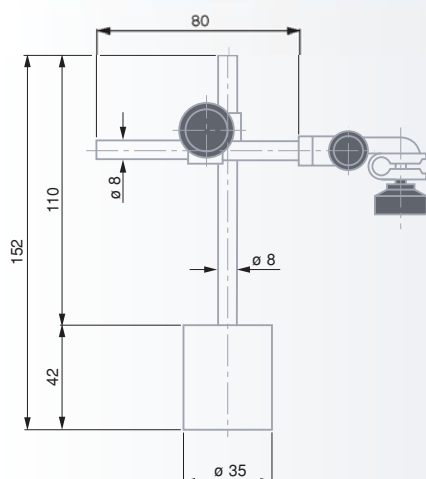
# Measuring Stands and Auxiliary Fixtures



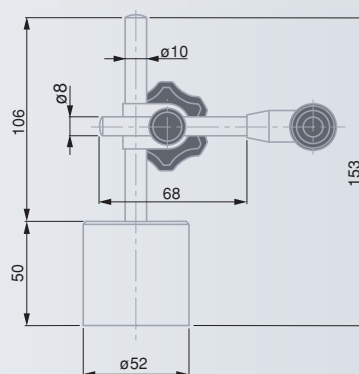
## INTERAPID Small Magnetic Supports

Ideal for dial test indicators (lever-type) or dial gauges having a 40 mm dial diameter – Versatile due to 2 rigid joints and fine adjust option.

### UJ 15 Model



### UJ 15G Model



Rounded base with permanent magnet



Holding force on a flat surface:  
≈ 220 N for UJ 15  
≥ 350 N for UJ 15G



0,47 kg for UJ 15  
0,93 kg for UJ 15G



Supplied without indicator



Suited carrying case



Declaration of conformity

#### Steel Base Plate



50 x 80 x 20 mm



0,60 kg

**Nº**



**01639007**

INTERAPID small magnetic support UJ15 with a 8 mm diameter clamping bore and dovetail clamp

**01639016**

INTERAPID small magnetic support UJ15G with both a 8 mm and 4 mm diameter clamping bore and dovetail clamp

#### Accessory

**01640501**

Steel base plate for use of UJ 15 as mobile support



Base has a vee recess and one magnetic flat face with disengageable magnet. Articulations made from duralumin.

Holding force on a flat surface  $\approx 170$  N

Dovetail clamp with a 8 mm diameter clamping bore

0,4 kg

Supplied without indicator

Suited carrying case

Declaration of conformity

## Model with Articulated Arm



mm

**01639025** INTERAPID small magnetic support with articulated arm

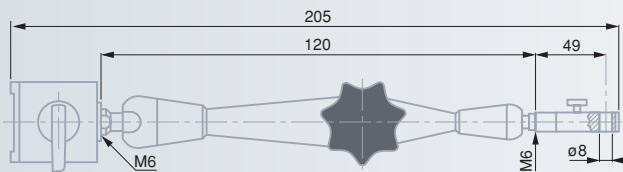
Full length 205

Consisting of:

1 Articulated arm Length 120

1 Dovetail clamp with fine adjustment

1 Magnetic base L x W x H 30 x 30 x 30



Model with a flat base has 2 rounded permanent magnets

72 x 38 x 11 mm for model with a flat base or 72 x 38 x 26 mm for model with a V-base

Holding force:  $\approx 180$  N for the flat base or  $\approx 260$  N for the V-base

Clamp with a 8 mm diameter clamping bore

Supplied without indicator

Suited carrying case

Declaration of conformity

## Magnetic Supports with Flat or V-Base



**01639011** INTERAPID magnetic support with a flat base

**01639012** INTERAPID magnetic support with a V-base



## INTERAPID Magnetic Supports

Standard Model and Models with Powerful Holding Force



Disengageable magnet.  
Clamp with a  
8 mm dia. clamping bore.



Supplied  
without  
indicator



Suited  
carrying case



Declaration  
of conformity



N

Fine  
adjust

V-Base  
for

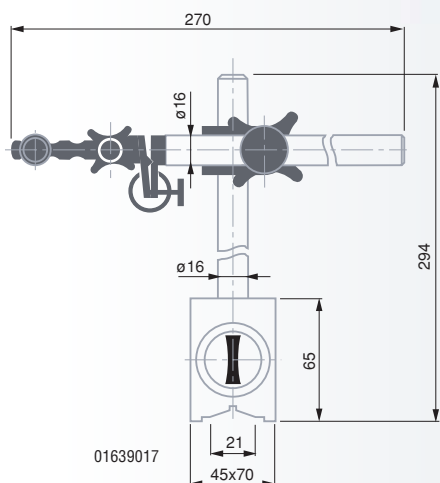
|          |                        |        |   |          |
|----------|------------------------|--------|---|----------|
| 01639017 | Standard model         | ≈ 600  | ● | 70 ÷ 220 |
| 01639018 | Powerful holding force | ≈ 1000 | — | 70 ÷ 220 |
| 01639019 | Powerful holding force | ≈ 1000 | ● | 70 ÷ 220 |



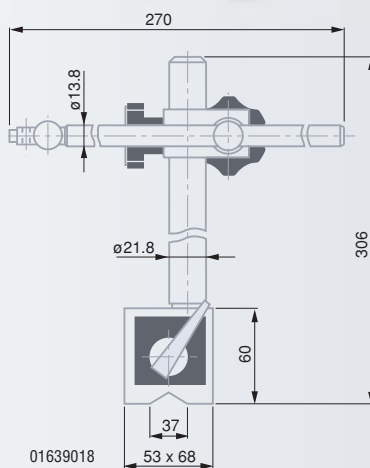
01639017



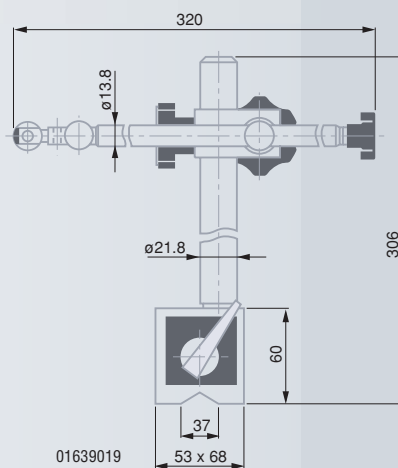
01639019



01639017



01639018



01639019



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

Magnetic base (L x W x H) 60 x 50 x 55 mm

1,45 kg or 1,85 kg

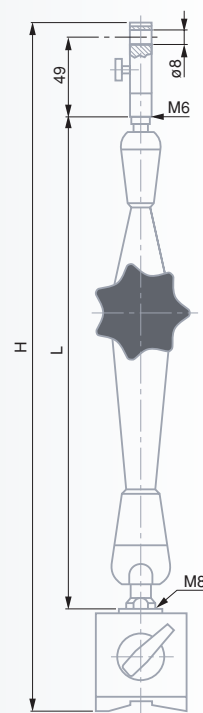
Supplied without indicator

Suited carrying case

Declaration of conformity

## Models with Articulated Arm

Attach simply and securely using a single lobe knob – Solid arm with highly rigid articulations.



Nº



H mm

L mm



N



Fine adjust



V-Base for

|          |                  |     |  |       |   |          |
|----------|------------------|-----|--|-------|---|----------|
| 01639022 | Magnetic support | 310 |  | ≈ 700 | ● | 30 ÷ 150 |
| 01639023 | Magnetic support | 390 |  | ≈ 700 | ● | 30 ÷ 150 |

Consisting of:

|  |                 |     |       |   |  |          |
|--|-----------------|-----|-------|---|--|----------|
|  | Articulated arm | 200 |       |   |  |          |
|  | Articulated arm | 280 |       |   |  |          |
|  | Clamp           |     |       |   |  |          |
|  | Magnetic base   |     | ≈ 700 | ● |  | 30 ÷ 150 |



Magnetic base has 2 flat faces plus 1 prismatic one. Disengageable permanent magnet. Full length 350 mm. Dovetail clamp with a 8 mm diameter clamping bore.

Holding force on a flat surface ≈ 1000 N

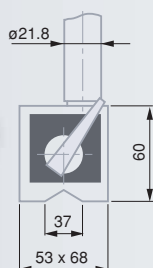
Supplied without indicator

Suited carrying case

Declaration of conformity

## Model with Flexible Arm

For hard-to-reach locations – Lever controlled arm that holds securely on any surface.



Nº

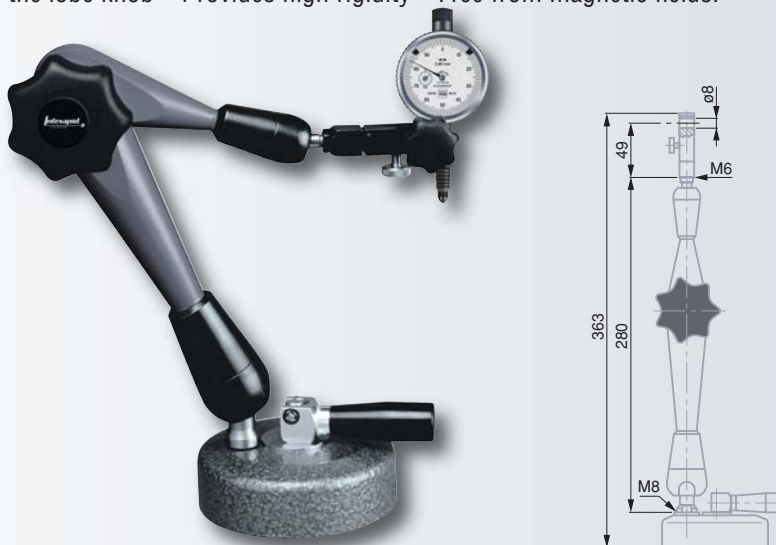


01639020 INTERAPID magnetic support with flexible arm



## INTERAPID Measuring Support with Suction Base

Holds firmly on any plain, flat surface – Clamps easily and reliably over the lobe knob – Provides high rigidity – Free from magnetic fields.



Round suction base in duralumin (88 mm in diameter and 28 mm in height) with a flat face. Articulations in duralumin. Disengageable suction effect using the lever. Dovetail clamp with a 8 mm diameter clamping bore.



1,1 kg



Supplied without indicator



Suited carrying case



Declaration of conformity



H mm



L mm



N



Fine adjust

|                       |                           |     |     |       |   |
|-----------------------|---------------------------|-----|-----|-------|---|
| <b>01639024</b>       | Support with suction base | 363 | 280 | ≈ 400 | ● |
| <i>consisting of:</i> |                           |     |     |       |   |
|                       | Articulated arm           |     | 280 |       |   |
|                       | Clamp                     |     |     |       | ● |
|                       | Round suction base        |     |     | ≈ 400 |   |

## INTERAPID Measuring Supports



Base with resting front face. Clamp for a 8 mm diameter mounting rod or a dial gauge with lug. Model No. 01639003 with added dovetail clamp



Cast iron base



1,3 kg or 4,35 kg



Supplied without indicator



Suited carrying case

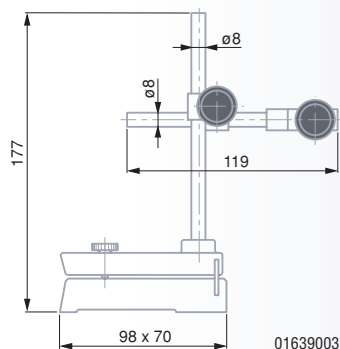


Declaration of conformity

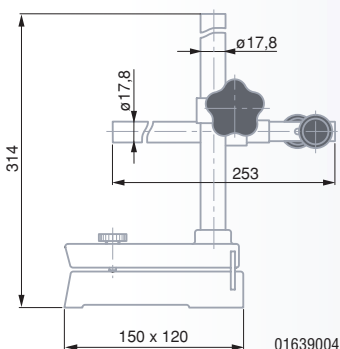


Used in conjunction with

|                 |                         |   |
|-----------------|-------------------------|---|
| <b>01639003</b> | INTERAPID small support | Dial test indicators, small dial gauges   |
| <b>01639004</b> | INTERAPID small support | Dial test indicators, dial gauges, precision indicators, electronic probes etc. |



01639003



01639004



Stand with lateral guiding faces. Vertical column that can be moved along the T-slot. Provided with 2 rigid articulations.

Cast iron base

3,3 kg

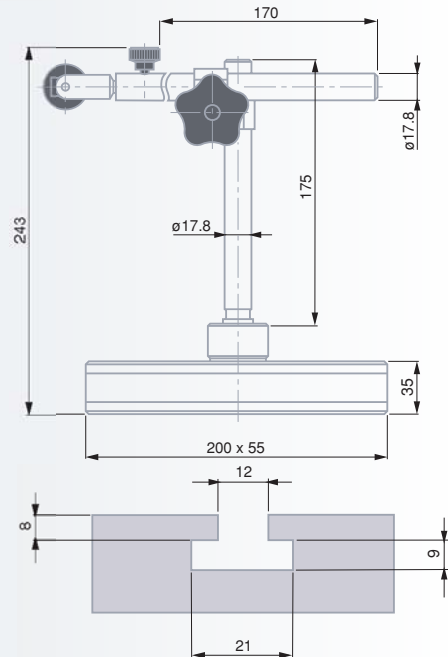
Supplied without indicator

Suited carrying case

Declaration of conformity

## INTERAPID UD 12 Universal Stand

Medium-sized sliding support for dial test indicators (lever-type), dial gauges, electronic probes etc. – With fine adjust option.



No

=

01639000 INTERAPID UD 12 universal stand

Furnished with:

01640100 Clamp with a 8 mm dia. tightening

01840105 Clamping rod, 8 mm dia., with dovetail recess



Measuring table with ground measuring face. Dismountable column. Measuring arm with a 8 mm dia. tightening.

Cast iron table. Chrome-plated steel column. Spherical graphite cast iron arm.

3 kg

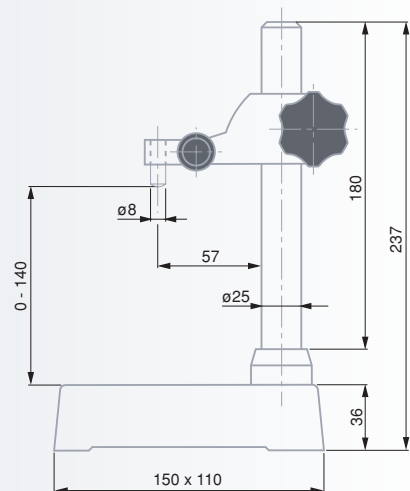
Supplied without indicator

Suited carrying case

Declaration of conformity

## INTERAPID UA 1

Measuring stand without fine adjustment



No

=

01639008 INTERAPID UA 1 measuring stand



mm

0 ÷ 140

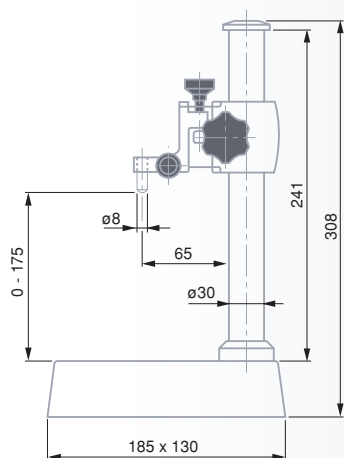


mm

100 x 100

## INTERAPID UA 30

Basic component for mounting specific workpiece attachments for series inspection.



### Basic stand

Ground measuring face.  
2 T-slots.

Dismountable column

Cast iron table.  
Chrome-plated steel column

### Measuring arm

Fine adjustment within a range of 1 mm.

8 mm dia. clamping bore.

### Sliding arm

Floating holder for TESA YA.

Adjustable swinging movement. 13 mm dia. clamping bore. 35, 57 or 80 mm travel length.

Measuring span 60 mm.

### Depth stop plate

Dimensions:  
115 x 35 x 3,5 mm.  
120° vee recess  
for diameters ≤ 120 mm.  
Two tightening screws.

### Additional data

4,85 kg (basic stand).  
0,85 kg (measuring arm).  
1,75 kg (sliding arm).

Supplied without indicator

Suited carrying case

Declaration of conformity



Measuring arm with a 8 mm dia. clamping bore, without fine adjustment. Measuring span 48 mm

Measuring table and column in hardened steel

2,7 kg

Supplied without indicator

Suited carrying case

Declaration of conformity

No



mm



mm

01639009 INTERAPID UA 30 basic stand (without measuring arm)

0 ÷ 175

125 x 115

### Accessories

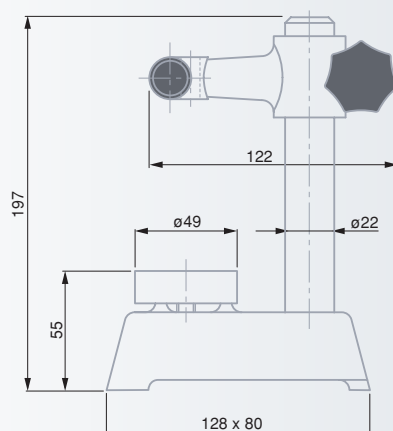
01610200 UK 20 measuring arm with fine adjustment

01610201 UK 25 sliding arm used in conjunction with TESA YA for stationary bore measurement (also see page H-6)

01640000 UAZ 10 depth stop plate

## INTERAPID Small Measuring Stand

With round steel measuring table.



No



mm



mm

01639006 INTERAPID small measuring stand

0 ÷ 100

Ø 49





**Supports**



**N° 01639035**  
black burnished  
steel column with  
a 8 mm dia. clamping bore.

**N° 01639029**

Chrome-plated column with  
thread and setting ring for  
height adjustable measuring  
arm. 8 mm dia. clamping  
bore. Measuring face with  
dust grooves.

**N° 01639030**

Chrome-plated steel column.  
Tilting measuring arm with  
articulation.

4 or 8 mm dia. bore for a  
dovetail clamp or lug.

**N° 01639033**

Chrome-plated steel  
column. Sliding measuring  
arm, horizontally.

4 or 8 mm dia. bore for a  
dovetail clamp or lug.



3 µm as per  
DIN 876 T1,  
grade 00.



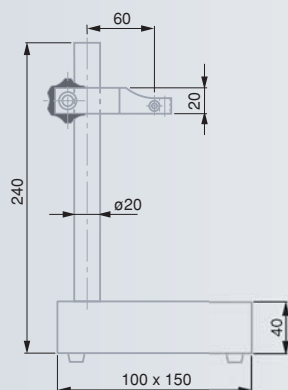
Supplied  
without  
indicator



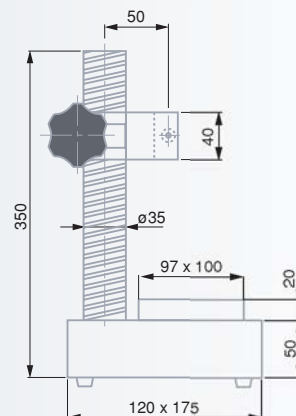
Suited  
carrying case



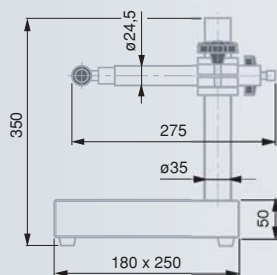
Declaration  
of conformity



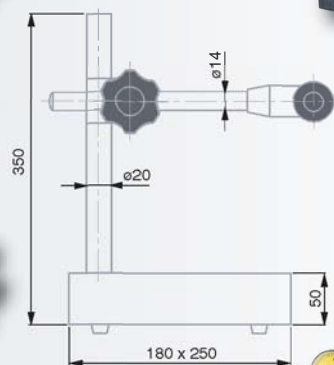
01639035



01639029














01639030



01639033

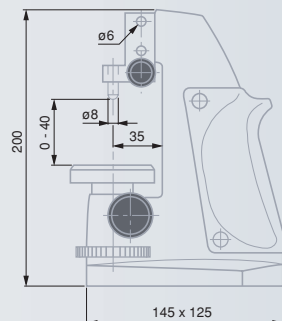


|  |  |  |  |  |  |
|---|---|---|---|---|---|
|   | Measuring face  | Measuring face<br>mm  | mm  | Fine<br>adjustment  | Span<br>mm  |
| 01639035  | Granite   | 100 x 115   | 0 ÷ 170   | —   | 50  |
| 01639029  | Steel, hardened   | 100 x 100   | 0 ÷ 225   | ●   | 68,5  |
| 01639030  | Granite   | 180 x 205   | 0 ÷ 240   | ●   | adjustable  |
| 01639033  | Granite   | 180 x 200   | 0 ÷ 260   | ●   | adjustable  |
|   |  |  |  |  |  |
|   | Measuring table   | Measuring table<br>mm   | Column<br>mm  | Column<br>mm  | kg  |
| 01639035  | Granite   | 100 x 150 x 40  | 20  | 200   | 2,6   |
| 01639029  | Granite   | 120 x 175 x 50  | 35  | 300   | 8,1   |
| 01639030  | Granite   | 180 x 250 x 50  | 20  | 300   | 8,4   |
| 01639033  | Granite   | 180 x 250 x 50  | 35  | 300   | 10,5  |



## INTERAPID UM 20

Stable stand for measuring small parts accurately.



With a 8 mm dia. tightening plus two 6 mm dia. clamping bores for the UPZ 6 probe-holder. Measuring span 35 mm.



3 kg (measuring stand alone)



Supplied without indicator



Suited carrying case



Declaration of conformity

### INTERAPID UM 20 measuring stand (without measuring table)

Height adjustable table mount with thread and fine adjustment.  
Clamping groove for UMZ 12 depth stop (No. 01640300)



mm

Fine adjustment  
mm

01639002

0 ÷ 40

15

**UMZ 40 meas. table with dust grooves**  
Hardened steel, lapped measuring face.



mm

01640302

Ø 66 x 12



**UMZ 41 plain measuring table**  
Hardened steel, finish ground measuring face.



mm

01640303

Ø 66 x 12



**UPZ 6 double probe-holder**  
8 mm dia. mounting bore for 2 probes.  
Clamped on the measuring stand with  
2 shafts having a 6 mm dia.



Sideways  
mm

01640401

13 ÷ 80



**UMZ 12 depth stop**

Clamp to be mounted in the T-slot of the  
basic stand. Hardened and ground stop  
plate.



Resting face  
mm

01640300

55 x 11



**UMZ 13 side stop**

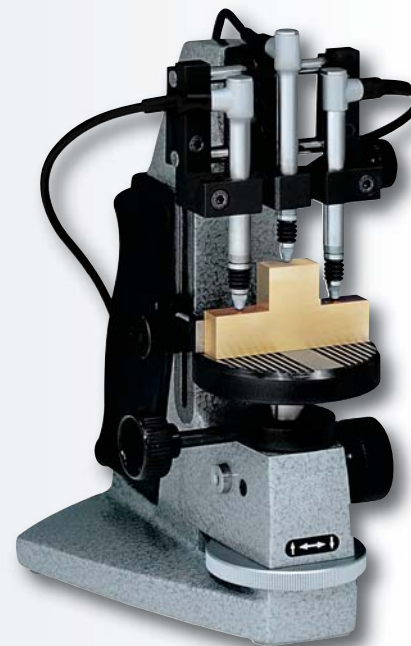
Hardened and ground. For use along  
with UMZ 12.



Resting shoulder  
mm

01640301

31,5 x 10 x 3



## INTERAPID Universal Stands UP

These two universal stands provide different height levels along with a wide range of accessories that serve for setting up a variety of measuring configurations – High-precision components, also highly stable and extremely wear-resistant – Guaranteed lowest measurement uncertainty for the skilled manufacturing shop floor.

Besides dial gauges, precision indicators and dial test indicators (lever-type), both stands enable electronic probes to be mounted, especially to carry out direct, sum or comparative measurement (see section O).



Heavy cast iron base with mounted ground steel column (50 mm dia.). Measuring arm with a 8 mm dia. tightening and 2 mounting bores having a 6 mm dia. for UPZ 6.

Fine adjust control using the protected knob. 1 mm travel length.



Base and measuring arm in cast iron. Dull-chrome plated steel column.



Supplied without indicator



Suited carrying case



Declaration of conformity



### INTERAPID universal stands UP (without measuring table)

Heavy cast iron models. Measuring arm with locking device and brake stop. For additional technical data, see opposite.



mm



kg

01639041

UP 160 measuring stand

0 ÷ 155

13,5

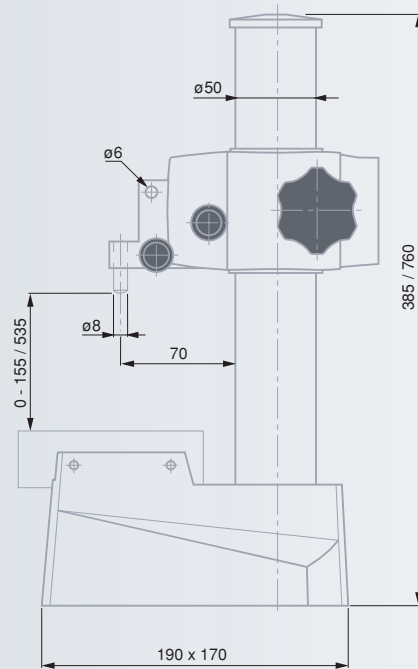
01639042

UP 200 measuring stand

0 ÷ 535

19





## UPZ 40 standard measuring table

Hardened steel. Two measuring faces with dust grooves, lapped. One face has a 13 mm wide strip along the centre.



**01640405**

mm  
45 x 95

µm  
1



## UPZ 46 A measuring table along with probe-holder

Feature a 8 mm dia. clamping bore for axial probes. Hardened and lapped measuring face with dust grooves as well as a 13 mm wide strip along the centre.



**01640410**

mm  
45 x 95

µm  
1



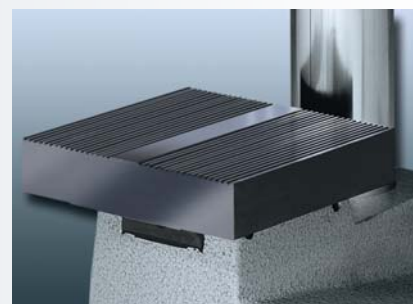
## UPZ 20 side plates

To be mounted sideways on both UPZ 40 and UPZ 46 A measuring tables. Made of black plastic. Supplied in pairs.



**01640404**

Resting face  
mm  
55 x 95



## UPZ 47 large measuring table along with probe-holder

8 mm dia. clamping bore for axial probes. Hardened and lapped measuring face with dust grooves as well as a 18 mm wide strip along the centre.



**01640411**

mm  
120 x 120

µm  
1,5





## UPZ 53 cross beam

For centre and vee supports. Made from cast iron and ground.



Length  
mm

01640416

300



## UPZ 51 centre supports

For axial and radial run-out inspection. Max. distance between points: 155 mm. Feature solid and spring-loaded hollow points, movable lengthwise but also lockable. Used with cross beam UPZ 53. Supplied in pairs.



Height of points  
mm

01640414

50



## UPZ 54 length stop

For use on the cross beam UPZ 53 with UPZ 52 resting blocks. A probe can be mounted instead of the stop rod.



01640417



## UPZ 52 resting blocks

For cylindrical or conical components. Resting plates with tungsten carbide pins, adjustable to the part diameter. Distance between plates matches  $\leq 300$  mm. Used with cross beam UPZ 53. Supplied in pairs.



mm

01640415

$\leq 30$





## UPZ 60 rack and pinion slide

For vertical adjustment of the measuring arm.



Travel length  
mm

**01640419** 185



## UPZ 15 limit stop

Mounted with clamp on the column.  
Hardened, dull-chrome plated.



Stop face  
mm

**01640403** 68 x 20

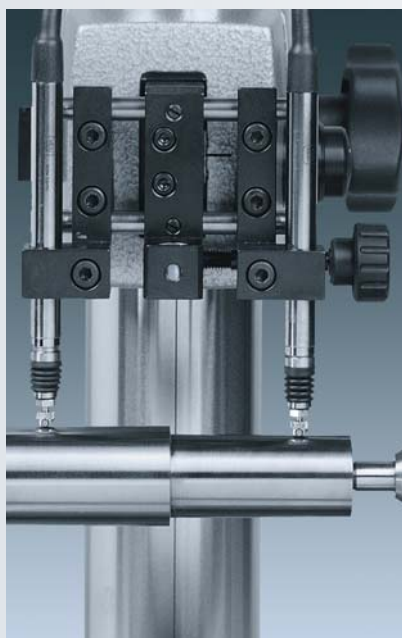
## UPZ 14 stop plate

For use with limit stop UPZ 15.  
Hardened, dull-chrome plated.



Vee angle

**01640402** 120°



## UPZ 6 double probe-holder

Tightening collar, 8 mm dia., for 2 electronic probes. Mounted on the stand by means of 2 shafts having a 6 mm dia.



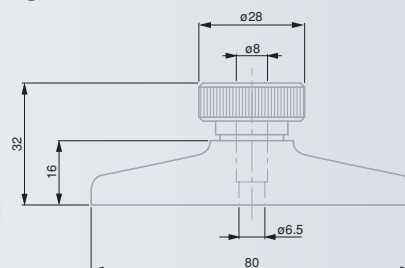
Lateral  
mm

**01640401** 13 ÷ 80



## INTERAPID Depth Feet

### Model with a flat measuring face



| No       | mm      | Clamp mm |
|----------|---------|----------|
| 01639046 | 80 x 16 | Ø 8      |



Hardened steel



Finish lapped measuring faces. Clamp with lock for mounting a dial gauge or an electronic probe



Supplied without indicator



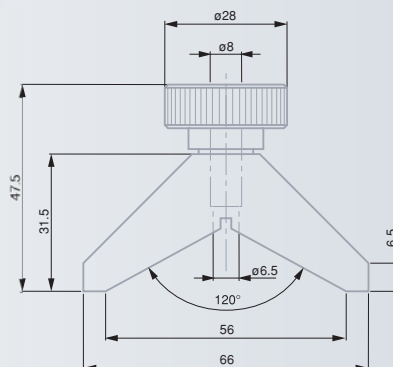
Suitable carrying case



Declaration of conformity

### Model with a prismatic measuring face

For measuring groove depth on cylindrical shafts. Also for establishing circularity errors etc.



| No       | mm       | Width mm | Clamp mm |
|----------|----------|----------|----------|
| 01639047 | 10 ÷ 100 | 120° 16  | Ø 8      |

## Brown & Sharpe CENTER FINDER

Practical auxiliary support that helps Users to quickly align the centre of the bores against the spindle axis on a machine tool – Used without clamping shaft can also serve as small magnetic support – Designed for clamping a dial test indicator whether standard or perpendicular.



06769006



Brown & Sharpe CENTER FINDER



Center Finder includes the following components:

- cylindrical shank that can be clamped on the chuck of a machine tool.
- powerful permanent magnets.
- swivel joint along with a dovetail collar for clamping a lever-type dial test indicator.



Wooden case





Hardened steel



Ground for both resting and vee faces



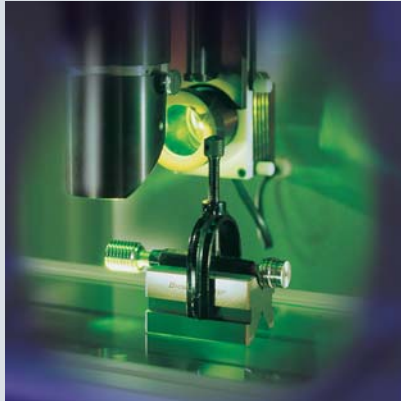
Not available as single components



Suited plastic case

## Brown & Sharpe V-Blocks and Clamps

V-blocks have a frame for clamping cylindrical parts with diameters ranging from 0,7 to 40 mm – To be used for workpiece inspection or machining.



Clamping range  
mm

06769007

Brown & Sharpe V-blocks and clamps

0,7 ÷ 40

Consisting of:

1 Pair of V-blocks

5 ÷ 40

1 Extra V-block

3 ÷ 8

1 Extra V-block

1,5 ÷ 5

5 Extra V-blocks

0,7 ÷ 3,5

2 In-between bridges

2 Large frames

1 Small frame



Each block has 18 through bores with a 9,53 mm dia. as well as 5 M10 threaded bores



Hardened steel, 55 to 60 HRC



7 µm for each pair



2,5 µm for all faces



Supplied with five M10 socket head screws as well as one 8 mm socket wrench



Suited plastic case

## Brown & Sharpe Positioning Block Set

Pair of matched blocks convenient for positioning and holding workpieces or for use as stops on surface plates, metrology set-ups, machine-tools and the like – Blocks are precision ground.



mm

06769004

Brown & Sharpe positioning block set

75 x 50 x 25

## Brown & Sharpe Adjustable Parallels

Available in a set including 6 adjustable parallels – Frequently used as parallel pads, setting standards for handheld tools or plug gauges for checking internal dimensions on parallel surfaces.

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



Hardened steel



Supplied along with a PH 1 screwdriver



Plastic bag



Height  
mm



Length  
mm

Width  
mm

**06769010** Set of Brown & Sharpe Engineer's parallels, adjustable

Consisting of:

|            |         |     |   |
|------------|---------|-----|---|
| 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 Steel Rules

Made from stainless steel – Scale divisions to 1 and 0,5 mm.



mm



Width  
mm

Thickness  
mm

|                   |      |    |     |
|-------------------|------|----|-----|
| <b>0951750181</b> | 200  | 13 | 0,5 |
| <b>0951750182</b> | 300  | 13 | 0,5 |
| <b>0951750184</b> | 500  | 18 | 0,5 |
| <b>0951750187</b> | 1000 | 18 | 0,5 |
| <b>0951750188</b> | 1500 | 18 | 0,5 |
| <b>0951750189</b> | 2000 | 18 | 0,5 |



EG class II



Stainless spring-loaded steel



Suitable carrying case



Declaration of conformity

## ROCH Thickness Gauges

| No         | Number of blades | Thickness mm | Stepping mm  |
|------------|------------------|--------------|--------------|
| 0951753013 | 6                | 0,05 ÷ 0,3   | 0,05         |
|            | 7                | 0,4 ÷ 1,0    | 0,1          |
| 0951753014 | 20               | 0,05 ÷ 1,0   | 0,05         |
| 0951753015 | 21               | 0,1 ÷ 2,0    | 0,1+1 x 0,05 |



## ROCH Radius Gauges

Radius gauges with both concave and convex blades – Designed for visual assessment of radii.

| No         | Number of blades | Radii mm    | Stepping mm | Radii mm |
|------------|------------------|-------------|-------------|----------|
| 0951753001 | 2 x 17           | 1,0 ÷ 2,75  | 0,25        | 0,1      |
|            |                  | 3,0 ÷ 7,0   | 0,5         | 0,1      |
| 0951753002 | 2 x 16           | 7,5 ÷ 15,0  | 0,5         | 0,15     |
| 0951753003 | 2 x 15           | 15,5 ÷ 19,5 | 0,5         | 0,2      |
|            |                  | 20,0 ÷ 25,0 | 1,0         | 0,2      |



## ROCH Screw Pitch Gauges

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

| No         |               | mm               |     |      |     |      |     |
|------------|---------------|------------------|-----|------|-----|------|-----|
| 0951753045 | ISO 60°       | 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 |
| No         |               | Threads per inch |     |      |     |      |     |
| 0951753046 | Whitworth 55° | 62               | 60  | 48   | 40  | 36   | 32  |
|            |               | 28               | 26  | 25   | 24  | 22   | 20  |
|            |               | 18               | 16  | 14   | 13  | 12   | 11  |
|            |               | 8                | 7   | 6    | 5   | 4,5  | 4   |



Alloyed steel

100 mm long blades with max. width of 13 mm

Blades are not supplied individually

Plastic bag

Declaration of conformity



Stainless steel

Blades are not supplied individually

Plastic bag

Declaration of conformity



Alloyed steel

Blades are not supplied individually






Plastic bag

Declaration of conformity

## ROCH Hand-Held Magnifier

Folding handle with added small magnifier – Retractable support.



|   |   |   |   |  |
|---|---|---|---|--|
|  |  |  |  |  |
| 0951754511  | 80 x 45   | 3x  | 13  | 10x  |



Solid plastic



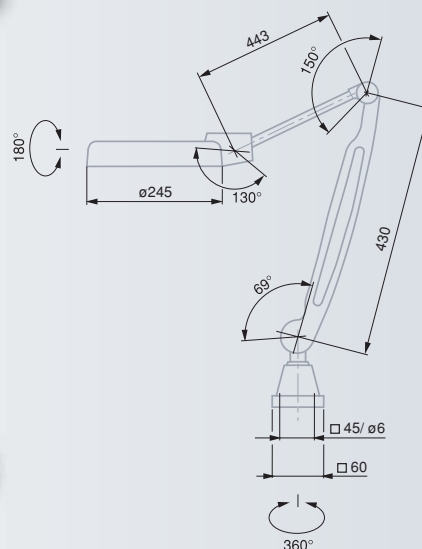
Cardboard box



Declaration of conformity

## ROCH Magnifier with Ring Light

Table model ideal for sampling inspection, small part assembly etc. – Main plus extra magnifier with no distortion – Perfect illumination – Tilting magnifier head to any position – Easy and safe positioning through spring-loaded articulations.



120 mm dia. magnifying glass



Materials: glass with solid plastic for the magnifier head. Sturdy cast iron base.



230 Vac, 50 Hz







Supplied with ring light (22 W)



Suitable carrying case



Declaration of conformity

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| 0951754531  | Magnifier with ring light   | Large model<br>2x   | Small model<br>4x   |
| <i>Accessory</i>  |   |   |   |
| 0951654531  | Spare lamp, 22 W  |   |   |