



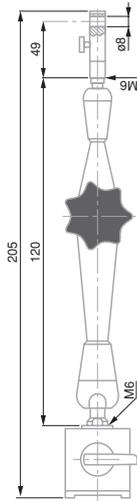
Measuring Supports and Auxiliary Equipment



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.



- 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 measuring instrument



UNIVERSAL SUPPORTS

Magnetic measuring support with suction base or articulated arm.

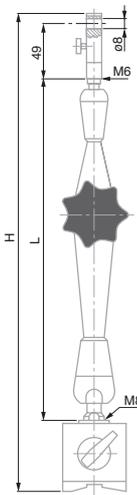
INTERRAPID Magnetic Support with Articulated Arm (small)



Magnetic support with articulated arm

No	=							
		N	V-Base for Ø, mm	Fine adjust	H mm	L mm	Base mm	Consisting of:
01639025	Small magnetic measuring stand with articulated arm	≈ 170	205	120	30 x 30 x 30	Consisting of:		- 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)

- 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



INTERRAPID 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	=								
		N	V-Base for Ø, mm	Fine adjust	H mm	L mm	Base mm	Mass kg	Consisting of:
01639022	INTERRAPID magnetic support with articulated arm	≈ 800	30 ÷ 150	●	310	200	60 x 50 x 55	1,45	- Articulated arm - Clamp - Magnetic base
01639023	INTERRAPID magnetic support with articulated arm	≈ 800	30 ÷ 150	●	390	280	60 x 50 x 55	1,85	- Articulated arm - Clamp - Magnetic base



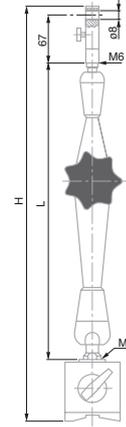
INTERAPID Magnetic Support with High Precision Articulated Arm

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



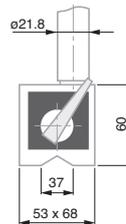
A Magnetic base has 1 prismatic and 2 flat faces. Articulations made from duralumin. Disengageable permanent magnet. Dovetail clamp with a $\varnothing 8$ mm clamping bore.

B Supplied without measuring instrument

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.



B Holding force on a flat surface ≈ 1000 N

A 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.

B Supplied without measuring instrument

No	=
01639020	Magnetic Support with Flexible Arm

-  Switchable magnet. Clamp with \varnothing 8 mm clamping bore
-  Supplied without measuring instrument

INTERAPID Inclinable Magnetic Support

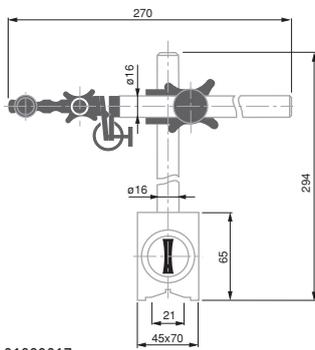
Standard model and models with strong holding force



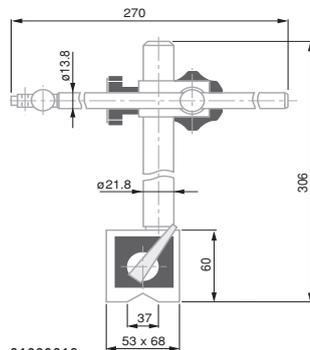
01639017



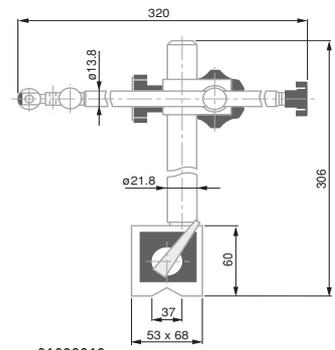
01639019



01639017



01639018



01639019

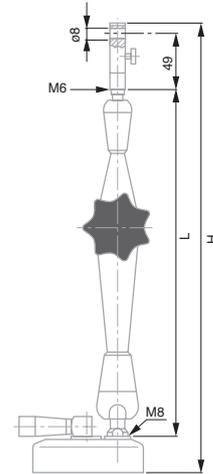
		 N	 V-Base for \varnothing , mm		 Fine adjust
01639017	INTERAPID magnetic support with V-base, 600 N	≈ 600	70 ÷ 220	Standard Version	●
01639018	INTERAPID magnetic support with V-base, 1000 N	≈ 1000	70 ÷ 220	Strong magnetic holding force	—
01639019	INTERAPID magnetic support with V-base, 1000 N	≈ 1000	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.



A 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.

B 1.1 kg

C Supplied without measuring instrument

No	=		N		H, mm	L, mm	Consisting of:
01639024	INTERAPID Measuring support with suction base and articulated arm	≈ 400	●	363	280	<ul style="list-style-type: none"> - Articulated arm - Fine adjust clamp - Round suction base 	



Measuring table and column in hardened steel.

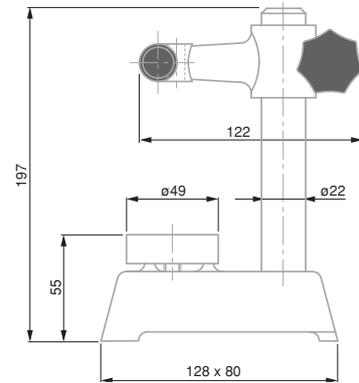
A Measuring arm with $\varnothing 8$ mm clamping bore, without fine adjustment. Measuring span: 48 mm.

2,7 kg

Supplied without measuring instrument

INTERAPID Small Measuring Support and Table $\varnothing 49$ mm

Round steel measuring table



Application example with DIGICO indicator

No

=

mm
0 ÷ 100

mm
49

01639006 INTERAPID small support with $\varnothing 49$ mm measuring table

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.

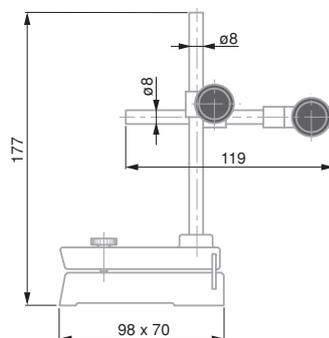
1,3 kg (01639003)
4,35 kg (01639004)

Supplied without measuring instrument

INTERAPID Measuring Support with Inclined Frontal Arm



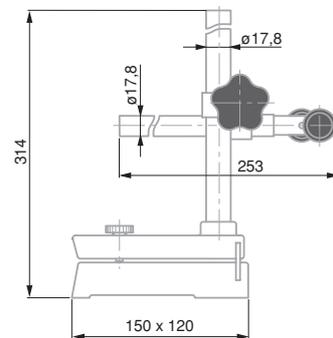
01639003



01939003



01639004



01939004

No

=

Used in conjunction with:

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

Lever dial test indicators, small dial gauges

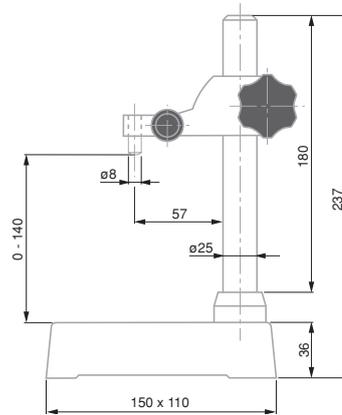
01639004 INTERAPID Measuring Support with Inclined Frontal Arm H = 314 mm

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.

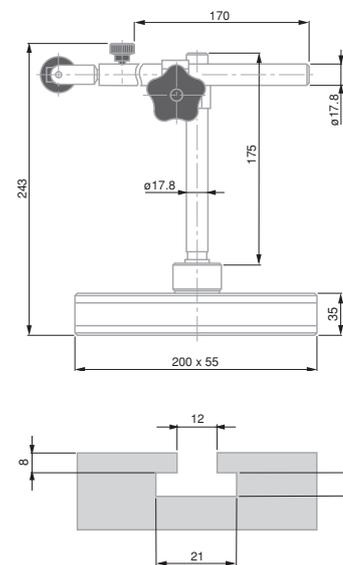
3 kg

Supplied without measuring instrument

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

3.3 kg

Supplied without measuring instrument

INTERRAPID Table Measuring Stands with Granite Grade 00

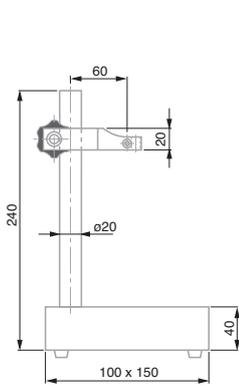
3 µm in accordance with DIN 876 T1, class 00

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

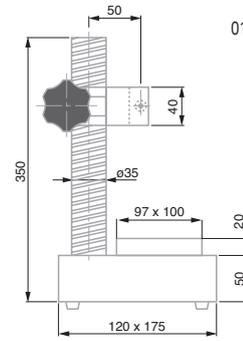
01639029: chrome plated column with thread and threaded ring for adjusting the height of the measuring arm. Ø 8 mm clamping bore. Grooved measuring face.

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

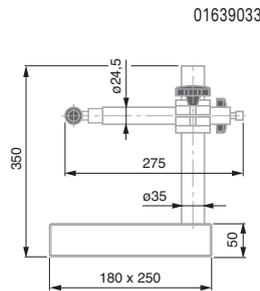
Supplied without measuring instrument



01639035



01639029



01639033



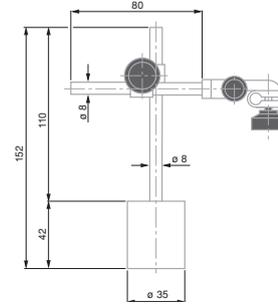
No	=									
		mm	mm	Measuring surface	Fine adjustment	Measuring table mm	Column height mm	Working surface mm	Span mm	kg
01639035	Table measuring support with granite, column Ø 20	0 ÷ 170	20	Granite	–	100 x 150 x 40	200	100 x 115	50,0	2,6
01639029	Slotted table measuring support with granite, threaded 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.

Small magnetic support UJ 15

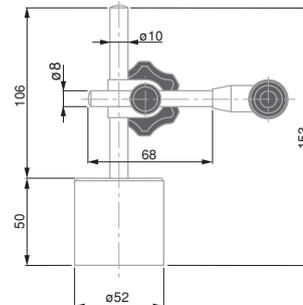


01639007 + 01640501
with dial test indicator



01639007 Magnetic support INTERAPID UJ15, dovetail clamp and Ø 8 mm cylindrical clamping

Small magnetic support UJ 15G



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 measuring instrument

Holding force on a flat surface: ≥ 350 N

Rounded base with permanent magnet

0,93 kg

Supplied without measuring instrument

50 x 80 x 20 mm

0,60 kg

Cast iron table.
Chrome plated steel column

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

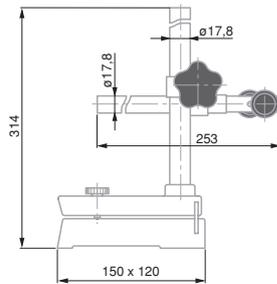
Supplied without measuring instrument

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. Clamping 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 tightening 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

- Hardened steel
- Lapped measuring faces. Clamp with lock for mounting a dial gauge or probe
- Supplied without measuring instrument

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

- Hardened steel
- Lapped measuring faces. Clamp with lock for mounting a dial gauge or probe
- Supplied without measuring instrument

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

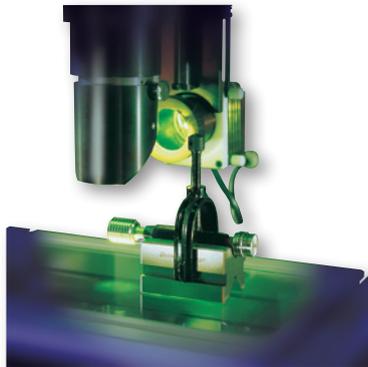
- Center Finder consisting of the following components:
 - cylindrical shank for clamping on the chuck of a machine tool.
 - powerful round magnetic base with strong holding capacity.
 - swivel joint and dovetail collar for clamping a lever-type dial test indicator.

- Hardened steel
- Ground finish for support and vee faces
- Not available as individual components

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 $\varnothing 9,53$ mm and 5 bores with M10 threads
- Supplied with five M10 socket head screws and one 8 mm socket wrench

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

No	=			
06769010	Adjustable parallel set			
Consisting of:				
=				
	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



No	=			
		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

ROCH Thickness Gauges



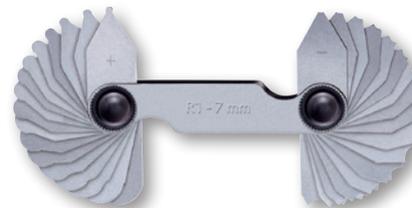
No	=				
		Thickness mm	Step mm	Thickness in	Number of blades
0951753013	ROCH thickness gauge with 13 blades, 0,05 to 1,0 mm	0,05 ÷ 0,3 / 0,4 ÷ 1,0	0,05 / 0,1	0.001968 ÷ 0.003937	6/7
0951753014	ROCH thickness gauge with 20 blades: 0,05 to 1,0 mm	0,05 ÷ 1,0	0,05	0.001968 ÷ 0.003937	20
0951753015	ROCH 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

Stainless steel

Blades are not supplied individually

ROCH Radius Gauges

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



No	=				
		Radius mm	Radii mm	Step 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

Alloyed steel

Blades are not supplied individually

ROCH Screw Pitch Gauges

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



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



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

