

Easy-METRIC

www.easymetric.com/

LARGE DIMENSIONS ?

THINK EASY-METRIC

THE SPECIALISTS OF COMPARATIVE MEASUREMENT



$\varnothing 4.253,02\text{mm} \pm 0,03$



COMPARATIVE INSTRUMENTS,
GAUGES, MASTERS AND HORIZONTAL
BENCHES FOR **LARGE DIMENSIONS**

THE SPECIALIST FOR MEASURING LARGE DIMENSIONS FROM 100 MM TO 8 METERS +

> AN INNOVATIVE SOLUTION

Easy-METRIC's Carbon based range of Measuring Solutions are especially designed for users confronted with precision measurement problem on parts ranging from 100mm to 8.000 mm in the production area.

Thanks to the wide use of Carbon, our Solutions benefit exceptional properties of Precision, Lightness, Robustness and Stability in Temperature. Easy-METRIC's Instruments and Gauges are widely used in Workshops as well as Inspection Dept or «On Site» (Oil Rig, Airport Maintenance...).

> INFINITE POSSIBILITIES

Many geometrical configurations can be made straight out of standard equipment (Measurement of I & O Diameters, Deep Bore, Inner & Outer Grooves, Conic Parts, Bearings...).

Our Engineering and Design department will study the solution adapted to your problem, either starting from our many standard Instruments and Accessories, or by the creation of a personalized solution.

> OUR REFERENCES

SNECMA Group, Air France, EDF, SKF, Michelin, Caterpillar, CNRS, FMC ...

> THREE FAMILIES OF PRODUCTS

Instruments :

Easy-METRIC instruments are available in standard dimensions from 100mm up to 8.000mm (315 Inches). A wide range of accessories is available providing the possibility to customize your equipment to your needs. We carry large stocks of standard Instruments as well as accessories.

Horizontal Setting Benches :

To set your comparative Instruments, VECTOR® represents the best Horizontal bench of its class. Based on Granit, Stainlees steel, Air Bearings and Heidenhain® electronic, VECTOR® is available from 2.000mm up to 8.000mm in standard (larger dimensions on request). Its robust design and ease of use makes VECTOR® the perfect choice to gauge your comparative instruments in a Workshop or in the Inspection Room. VECTOR® bench is ready to be used with Easy-METRIC instruments and factory masters.

Factory Masters :

An inovative concept from Easy-METRIC. Factory Masters are the easiest way to create a master that will go along with your Easy-METRIC instruments in production. No more back and forth from Production to the calibration room to check the instrument.



> OUR MARKETING OFFER

Easy-METRIC works on a base of standardised products and elements referenced and available on stocks. Using these elements allows us to answer 90% of our customers needs. In case of doubt about the most appropriate instrument, please send us a sketch, picture... and one of our technicians will quickly get back to you with the right answer. If a standard solution doesn't exist in our catalogue, we will study your instrument and master... based on our technology.

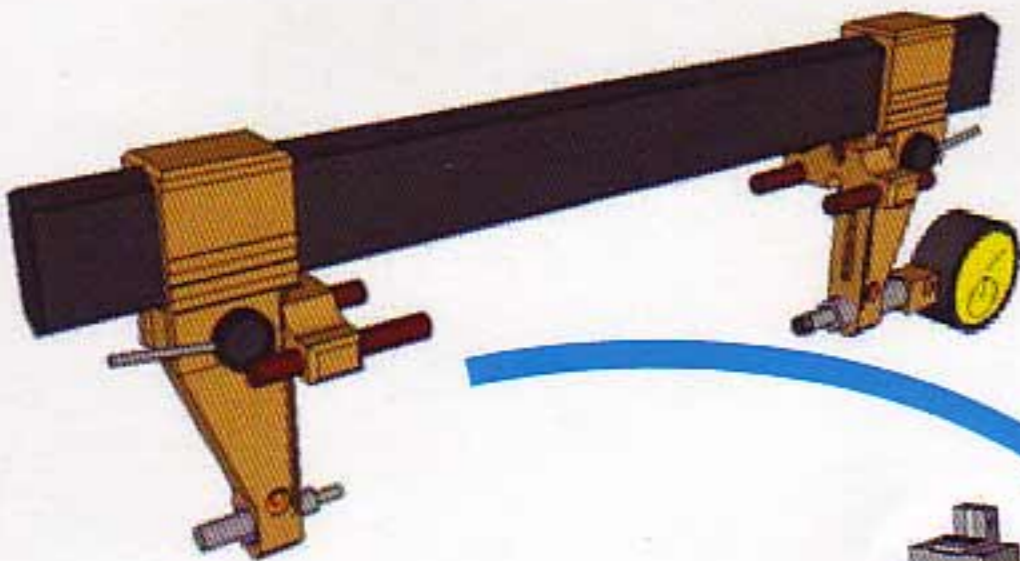
COMPARATIVE MEASUREMENT BY EASY-METRIC IN 3 EASY STEPS

1 Whatever the size
of your problem...

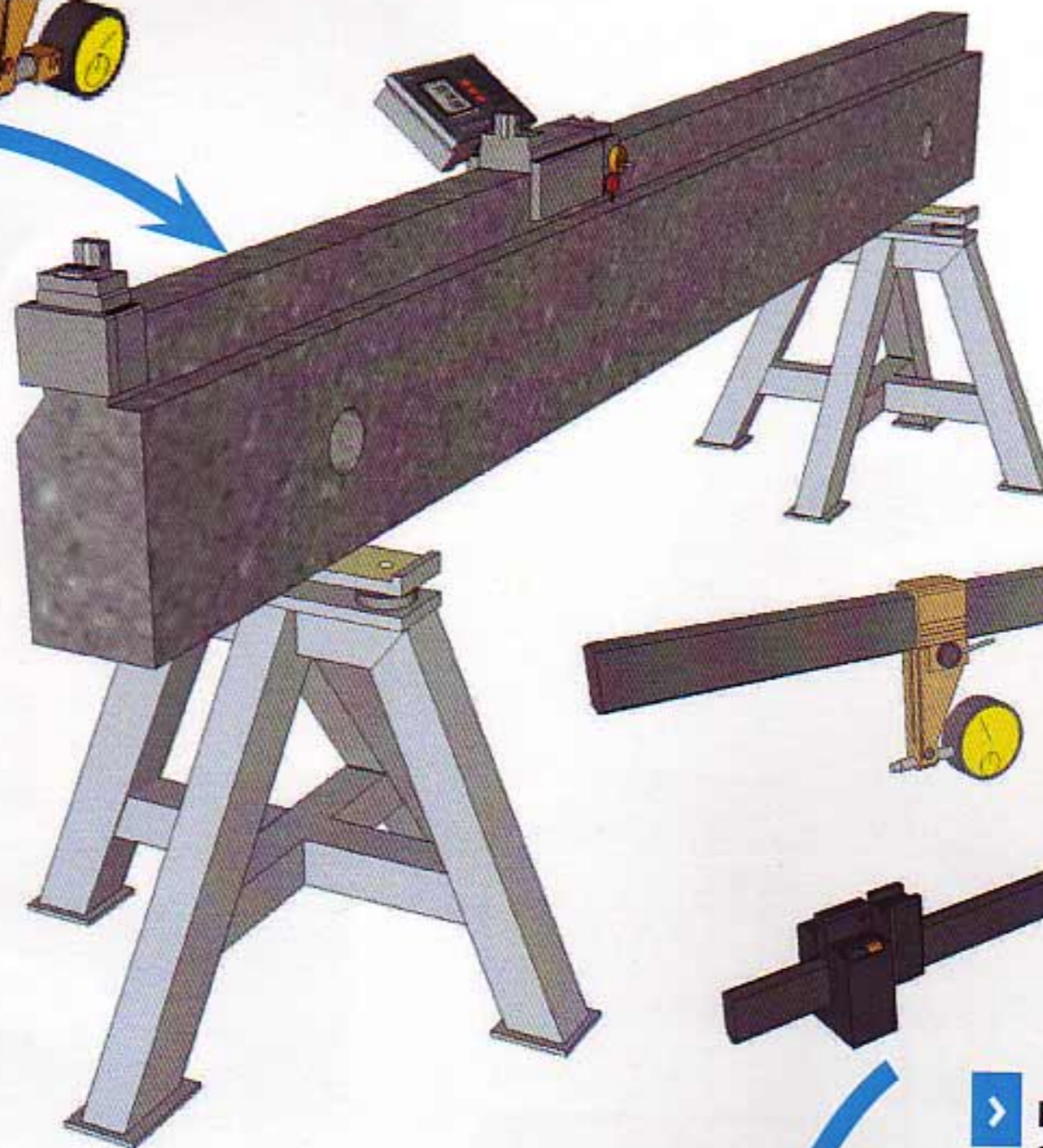
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... we have a solution for you
from calibration...

2



> Horizontal Setting Bench
Calibrate your Instrument &
Master using a Vector[®] ou
Thor[®] Setting Bench



> Easy-Metric Basic
Pro Instrument
with is factory Master

3 ... to inspection
> in manufacturing area
> in inspection room

> You are up and running to
Measure in your Workshop,
Inspection Room ect...





SETTING BENCHES

Easy-METRIC range of Horizontal setting benches (**VECTOR®** and **THOR®**) represent the best choice to set and calibrate your comparative Instruments in a Factory Workshop or Inspection area. Designed and built to the highest standard of Quality,

all Easy-METRIC Setting Benches are available from 2.000mm to 8.000mm in standard (larger and smaller dimensions on request).

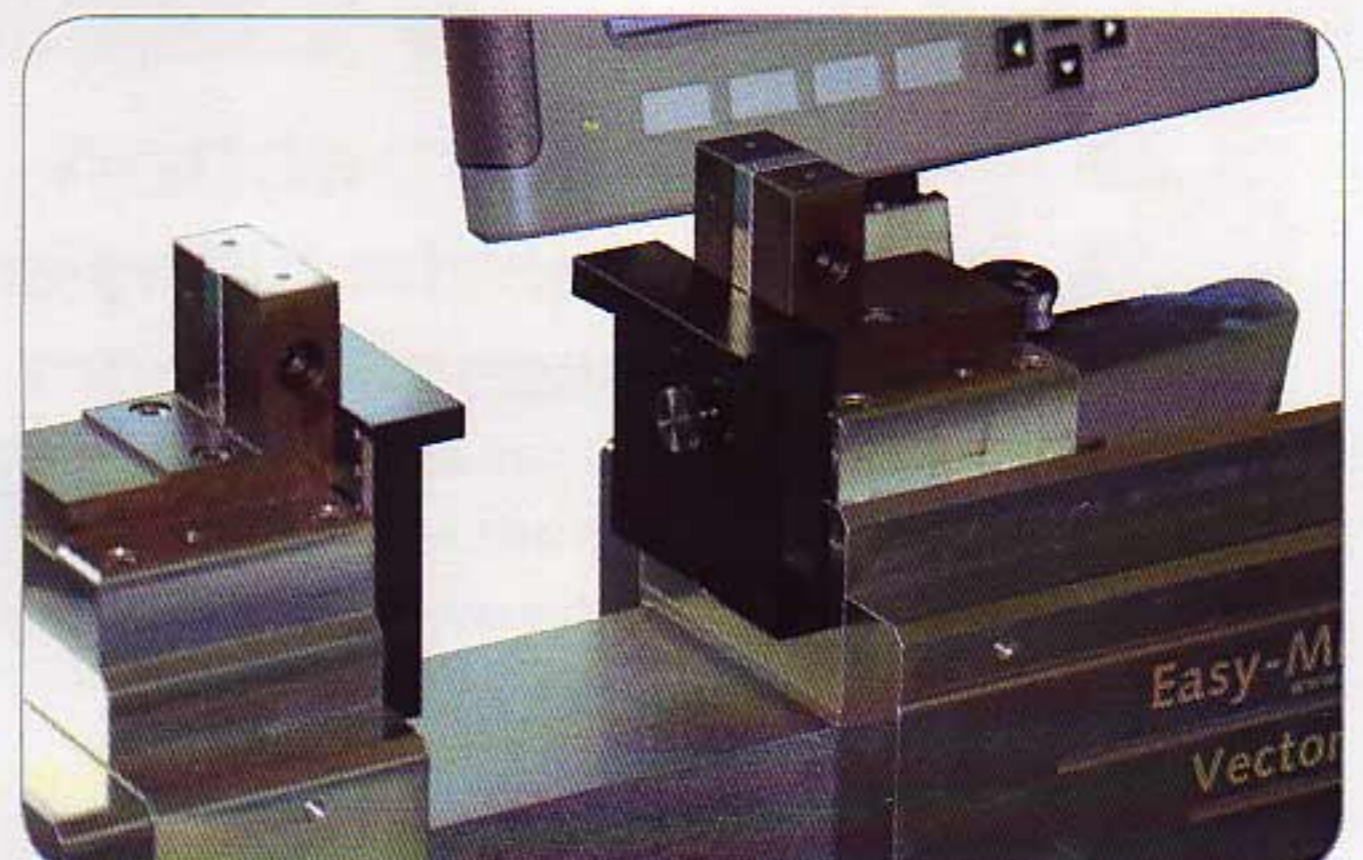
Many accessories are available to set all kinds of comparative instruments for measuring Internal/External Diameters, Length, bores, threads etc... **VECTOR®** and **THOR®** come ready to use in standard with Easy-METRIC range of Instruments.

Easy-METRIC Setting Benches are very easy to use and especially designed with robustness in mind for the more demanding Production environment.



Vector®

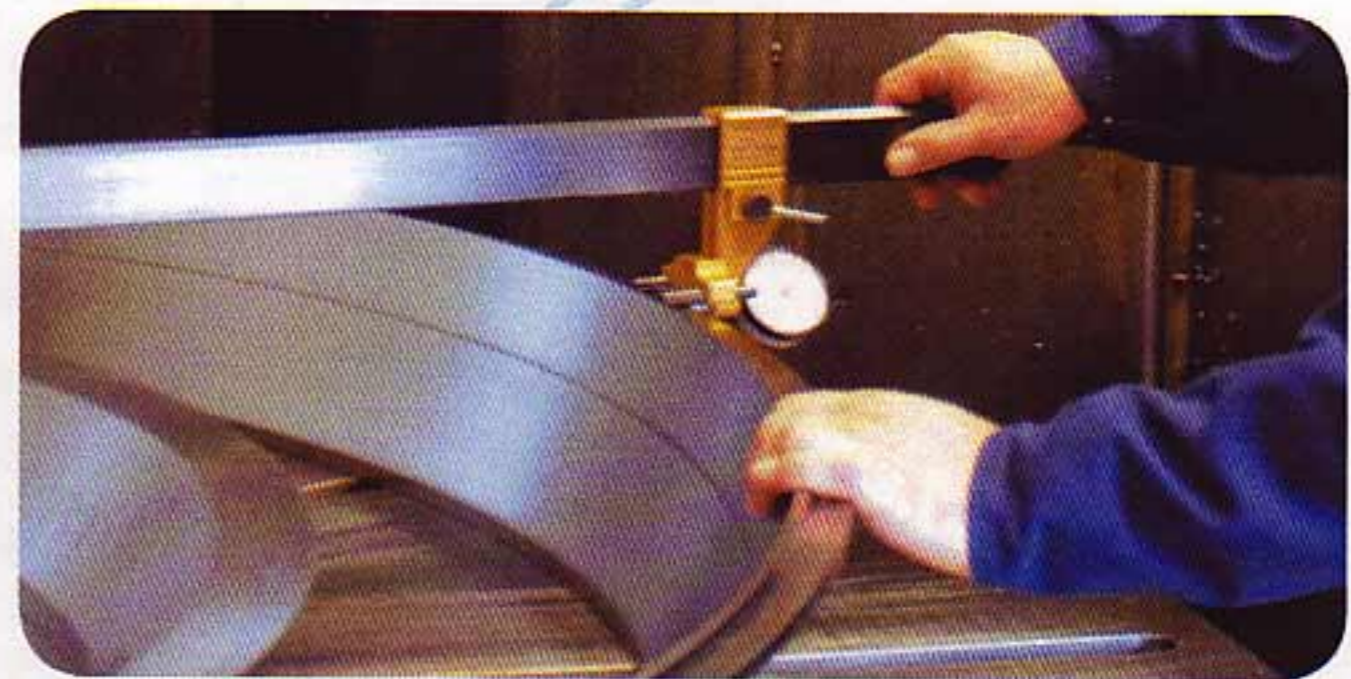
VECTOR® is built around the Best Quality of GRANIT, State of the Art Heidenhain® electronic and to the highest standard of Engineering using Stainless steel and Air-Cushion (Air-Bearings).





INSTRUMENTS

Easy-METRIC presents a large range of Instruments based on Carbon technology typically from 100mm up to 8.000mm in standard. Using Easy-METRIC instruments in a workshop insures a very reliable measurement in production (temperature independant, very strong and robust Carbon based structure, lightness of the instrument etc...).



Many different possibilities and configurations can be achieved allowing the measurement of Internal/External Diameters, Grooves, Bores (deep), Internal/External Cones, Raceways (Bearings), length, etc...



FACTORY MASTERS

Easy-METRIC Factory Masters provides a very reliable, easy and economic solution for the equipment of your Workshop in Masters. Very simple to use, Easy-METRIC Factory Masters can be set directly using a VECTOR® or THOR® bench or by using your Easy-METRIC Instrument already set. Precision and ease are ensured by a unique system of fine tuning. The set dimension is then displayed on the Factory Master (see photo).



Don't throw your masters everytime you change production. Easy-METRIC Factory Masters can be set for Internal or External measurement (Diameter, length...), and re-used an unlimited number of times.

Easy-METRIC Factory Masters are available in standard from 100mm up to 8.000mm (larger dimensions on request). They are available in Carbon or Steel.

Reference : EA [C or S] l where l = max length in mm
Prefix : EAC EAS
 Carbon Version Steel Version

Example : EAC 2500 Factory Master in Carbon version, with a maximum capacity of 2.500mm



INSTRUMENTS

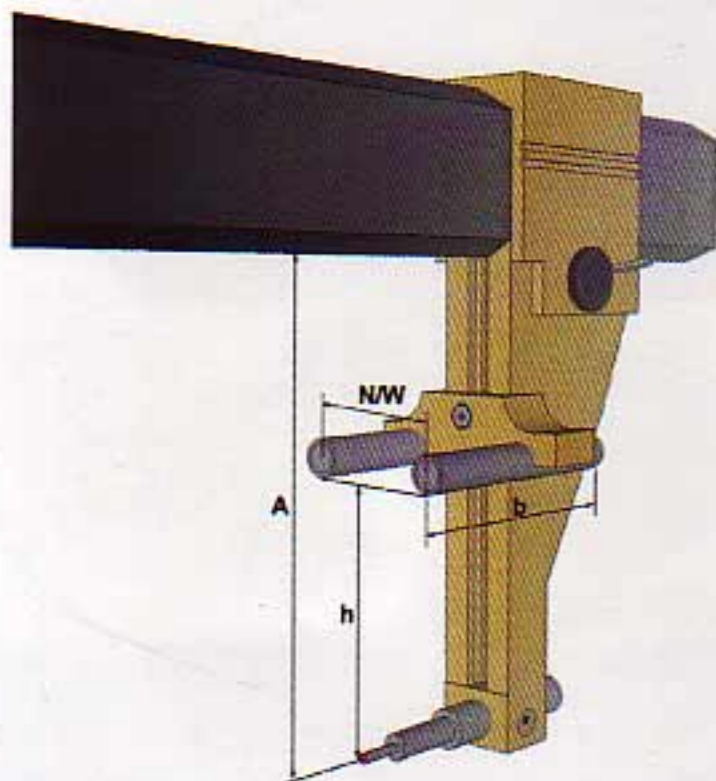
This line of Instruments (Easy-Metric exclusivity) is especially appropriate for intensive use in a Production environment. It's particularly adapted in a context of manufacturing Small to Large Batches. The various possible adjustments (thrust, spacing etc...) can be locked in order to avoid any missadjustment in the course of use. This way, only the Accredited users can set/unset the Instrument.

A whole range of optionnal accessories is available. However, BasicPro® Instruments can be customised to adapt to your specific needs.

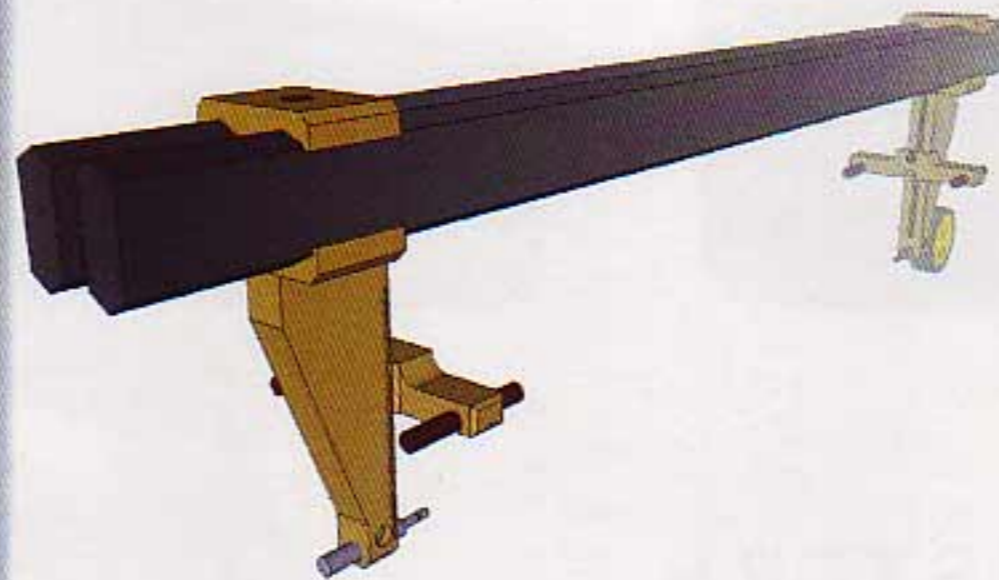
The BasicPro® line of Instruments benefits all the characteristics of lightness and flexibility that make Easy-Metric Products so special thanks to the wide use of our exclusive Carbone Technology (Easy-Metric exclusivity).

Measurement : Diameters, Borings, Diameters on Cones (Cone-Face with positive or negative offset), Inner Groove, External Groove, Ballways (Bearings) etc...

> General description



> «R» Serie



Ref. : BPR, GMR ...

For BasicPro GM and BAL instrument the "R" serie is recommended for "L" \geq 2.500mm

> «P» Serie



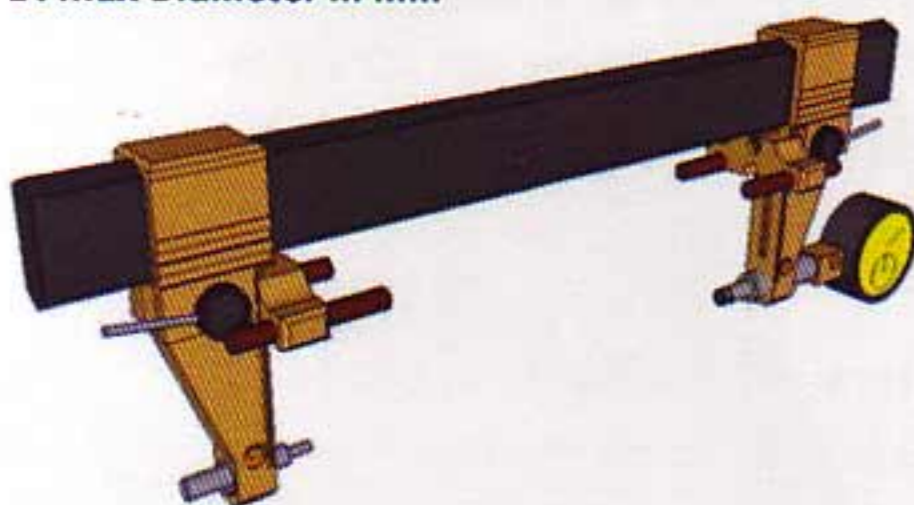
For BasicPro, GM and BAL instrument the "P" serie is especially designed for measuring Bearings (Raceway...), Gears. "P" Serie can be associated with Basic Pro, GM, (BPR, GMR) and combined with "R" Series (BPRP, GMRP etc...). Ball Diameter can be made of any size. Contact our Technical support in order to define the exact definition of your "P" serie.

> Instruments BasicPro®

Ref. : BP, «A» / «L»

A : Height under ruler in mm

L : Max Diameter in mm



BP are available from L = 150mm to 8.000mm every 50mm. BasicPro can be equipped with a vast variety of optionnal equipment.

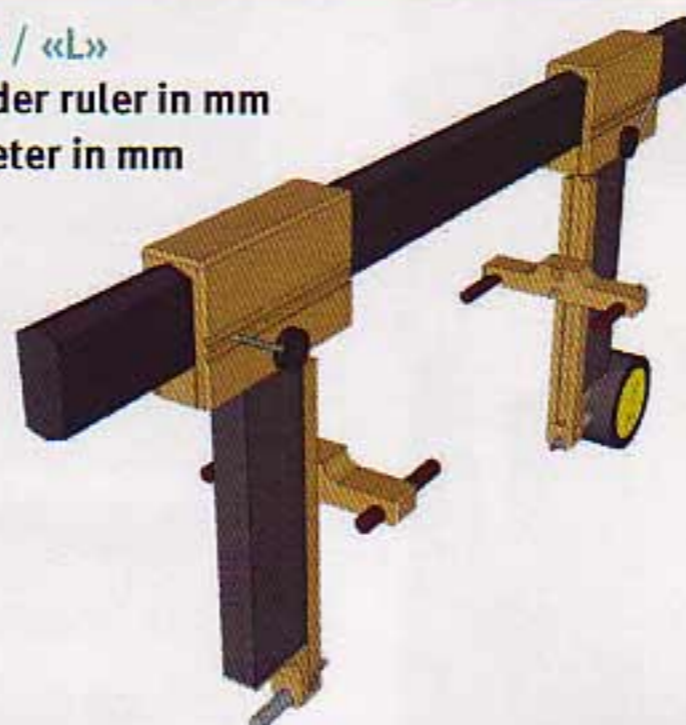
MODEL	A	Std	B XL	H	N	N/W	W
BP65	65	60	100	0 to 60	40	80	
BP85	85	60	100	0 to 80	40	80	
BP120	120	60	100	0 to 115	40	80	

> Instruments GM®

Ref. : GM «A» / «L»

A : Height under ruler in mm

L : Max Diameter in mm



GM are available from A = 150mm to 300mm every 50mm (ie. GM150, GM200, GM250, GM300).

GM are available from L = 150mm to 8.000mm every 50mm. GM can be equipped with a vast variety of optionnal equipment.

MODEL	A	Std	B XL	H	Std	K XL
GM «A»	120 to 300	60	100	0 to (A-50)	40	80

All dimensions in mm

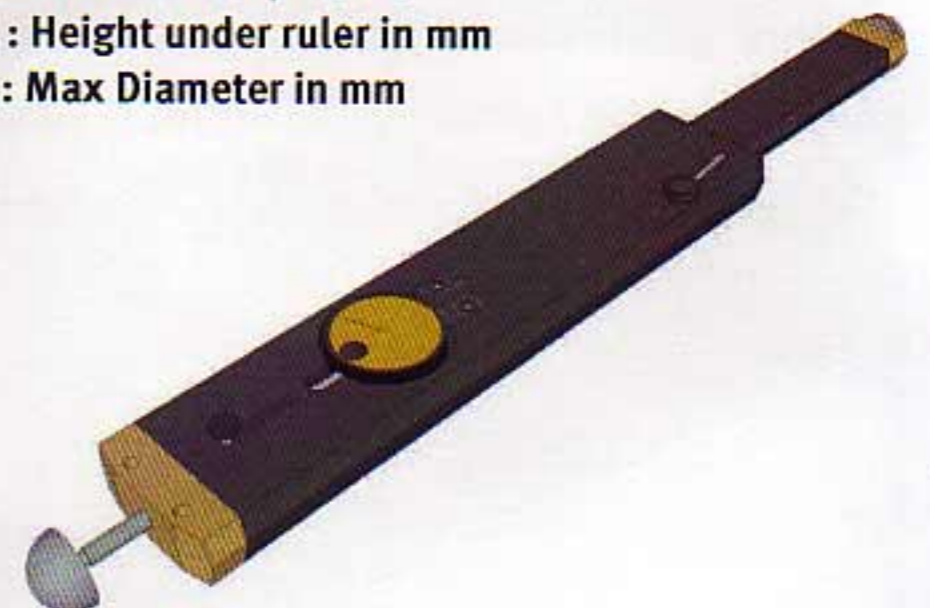
> Instruments Alesometer®

DETAILS on REQUEST from 100mm to 8.000mm

Ref. : AELM «L» / «H» - r

A : Height under ruler in mm

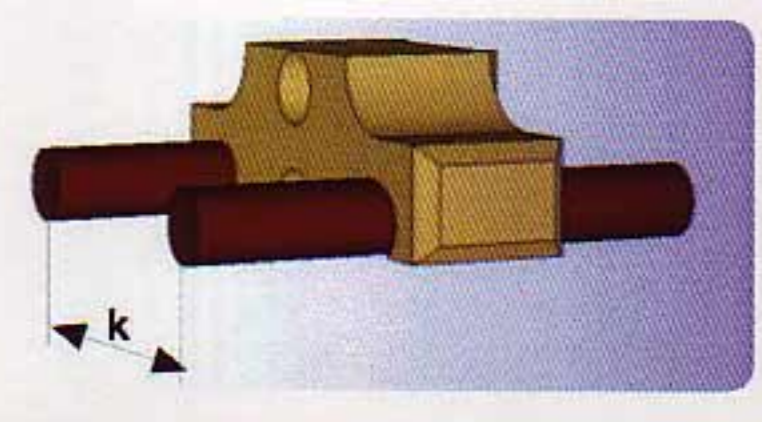
L : Max Diameter in mm



Alesometer allow to measure Inner : Diameter, Groove, Rollways... with a high precision even in difficult situations where access is a problem (ie. Deep Cylinder). Many different configurations are available from 200mm to 8.000mm, Ball Ø from 2mm to 75mm+...

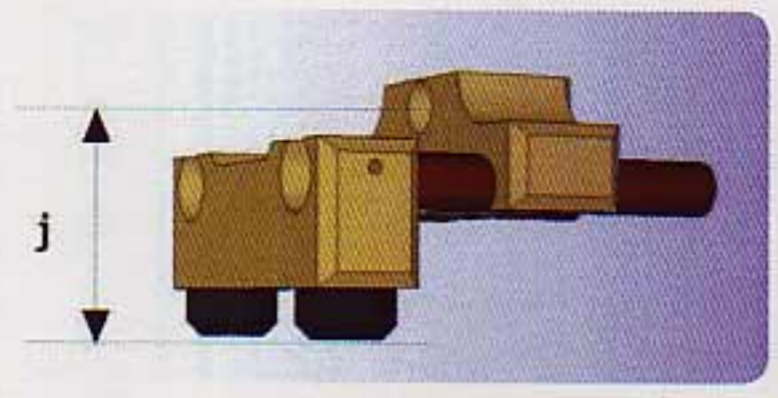


ACCESSORIES



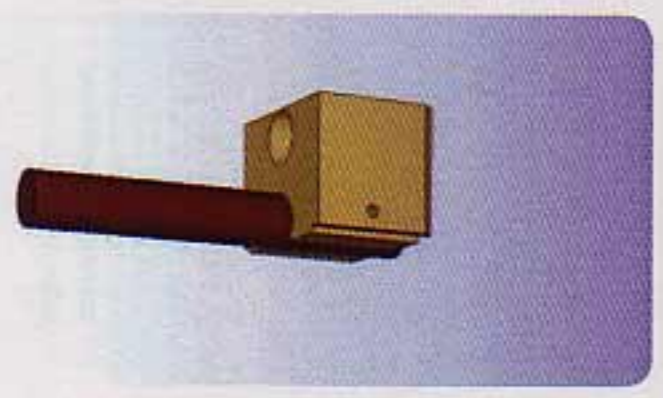
2/3 points Thrust
Ref. B001 - N/W

N : Narrow Serie k = 40mm
W : Wide Serie k = 80mm

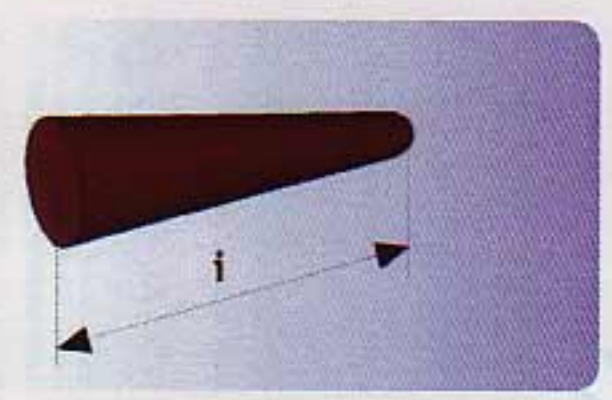


2/3 points Negative Adapter
Ref. BA002 - N / W

N : Narrow Serie k = 40mm
W : Wide Serie k = 80mm

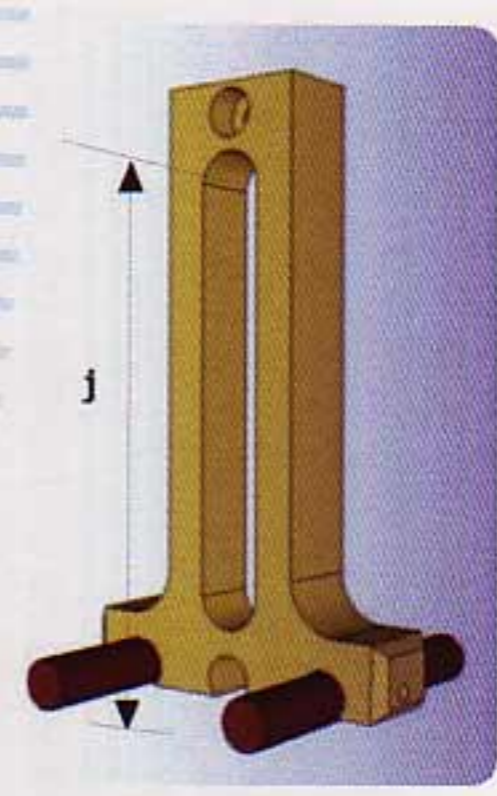


1 Point Thrust
Ref. B003



Cylindrical Pin
Ref. B006 i

i = 60mm or 80mm or 100mm

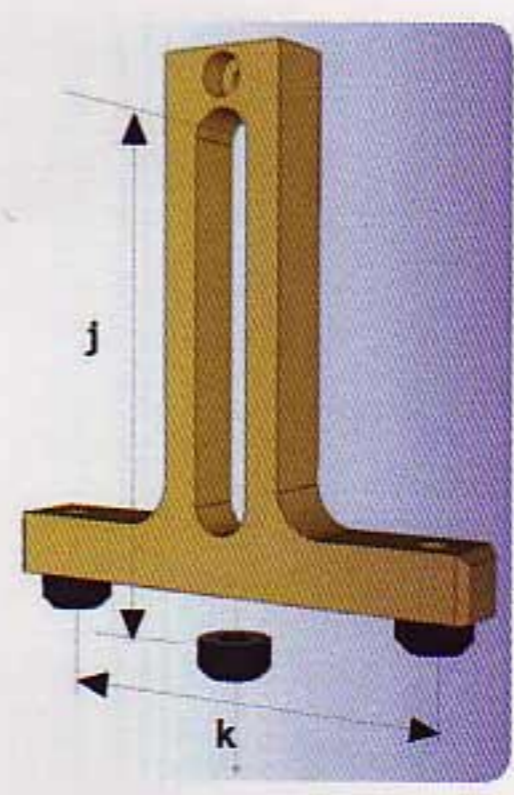


2/3 Points Negative Cylindrical Thrust
Ref. B004 - N / W

Shift Min j = -(130mm - h(max))
Shift Max j = -110mm

N : Narrow Serie k = 40mm
W : Wide Serie k = 80mm

ie. BP85 j(Min) = -50mm
j(Max) = -110mm



2/3 Points Negative Column Thrust
Ref. B005

Shift Min j = -(130mm - h(max))
Shift Max j = -110mm
Wide Serie Only k = 80mm

ie. BP85 j(Min) = -50mm
j(Max) = -110mm



DESIGN ON DEMAND

... Specific needs...?



... Our answer in 4 easy steps...



1 Customer's request

Send us an Email with a sketch, drawing etc... of your measuring problem.

info@easymetric.com



2 Design

Our skilled technicians will study the most appropriate solution and provide you with a 3D view and a quote.



3 Manufacturing & Testing

At reception of your Order, your Instrument is quickly manufactured and tested in our factory.



5 Shipment

1st class delivery with web tracking service.



Discover more about Easy-METRIC (local representatives, News,...) :
www.easymetric.com



Easy-METRIC

CARBON MEASURING INSTRUMENTS

65, AVENUE FRANÇOIS MOLÉ - 92160 ANTONY - FRANCE
TEL. +33 160.86.42.11 - FAX. +33 160.86.49.92
EMAIL : info@easymetric.com