

REFERENCE BARS

STANDARD REFERENCE BARS

12", 19", 25", 37", 49"/300, 500, 650, 950, 1250MM

These Standard Reference Bars are invaluable for use in checking table movement of machine tools, accuracy of vernier height gages, surface plate transfer measurement, and for final inspection of precision machine tools and coordinate measuring machines.

The "channel design" places additional measuring pads at appropriate points over the length of the bar as reference points for x, y or z axis measurements. Channel design permits use of the bar on its base (vertical), or on its back, or either side (horizontal). The alternating gage block jaws and spacer blocks are permanently wrung and fastened together to form 1" increments for inch bars and 25mm increments for metric bars.

A special bushing arrangement allows the master stack to conform to thermal conditions prevailing during use, thus providing a true master even under less than perfect laboratory conditions. Mating surfaces are treated during assembly to prevent corrosion.

Non-standard lengths and measuring increments are available on special order. A Certificate of Calibration is included. All models are furnished with storage case.

With Channel Design

Inch System

Cat. No.	EDP	Size
RBC 12.	92626	12"
RBC 19.	92627	19"
RBC 25.	92628	25"
RBC 37.	92629	37"
RBC 49.	92630	49"

Millimeter System

Cat. No.	EDP	Size
RBCM 300.	93642	300mm
RBCM 500.	92617	500mm
RBCM 650.	93053	650mm
RBCM 950.	92619	950mm
RBCM 1250.	92620	1250mm

Free Standing Stack Without Channel Design – Vertical Position Only

Inch System

Cat. No.	EDP	Size
RB 8.	92616	8"
RB 10.	92623	10"
RB 12.	92624	12"
RB 18.	92625	18"

Millimeter System

Cat. No.	EDP	Size
RBM 200.	93261	200mm
RBM 250.	93262	250mm
RBM 300.	93263	300mm
RBM 450.	93264	450mm

Specifications

Description	Inch System	Millimeter System
Tolerance (Stack)	expressed in μ in.	expressed in μ m
Maximum:	2.5L + 10L in inches	.0025L + .25L in millimeters
Minimum:	- 10	- .25
Parallelism: Gage Surfaces to Base and Each Other	15 μ in.	0.4 μ m
Uncertainty of Calibration	10 + 2.0L in inches expressed in μ in.	.25 + .002L in millimeters expressed in μ m.

The accuracy of the surface that supports the gage must be taken into account when determining the accuracy of any measurements.



Standard Sizes are 12", 19", 25", 37" and 49" in the inch system and 300mm, 500mm, 650mm, 950mm and 1250mm in the millimeter system

