

## Gauge Blocks

### Rectangular Gauge Block Accessories SERIES 516

- Accessory sets for extending the range of application of rectangular gauge blocks. For example, constructing temporary snap gages for small batches of product where custom gages would be uneconomical to manufacture.
- Available in 22-piece and 14-piece sets. Each accessory is also available separately for applications where a full set is not needed.
- Can be used with steel or CERA blocks.



**516-601**  
(22 pcs.)



**516-602**  
(14 pcs.)

## SPECIFICATIONS

Item Description	Order No.	Nominal capacity/ dimension (mm)	Set		Quantity Supplied
			22 pcs. <b>516-601</b>	14 pcs. <b>516-602</b>	
Holder	<b>619002</b>	15 to 60		✓	1 pc.
	<b>619003</b>	5 to 100	✓	✓	
	<b>619004</b>	15 to 160	✓	✓	
	<b>619005</b>	20 to 250	✓	✓	
Base	<b>619009</b>	35	✓	✓	
Half-round jaw	<b>619010*</b>	2	✓	✓	One pair (2 pcs.)
	<b>619011*</b>	5	✓	✓	
	<b>619012*</b>	8	✓	✓	
	<b>619013*</b>	12	✓		
	<b>619014*</b>	20	✓		
Plain jaw	<b>619018*</b>	160	✓		
Scriber point	<b>619019</b>	—	✓	✓	1 pc.
Center point	<b>619020</b>	—	✓	✓	
Tram point	<b>619021*</b>	—	✓		One pair (2 pcs.)
Triangular straightedge	<b>619022</b>	100	✓	✓	1 pc.
	<b>619023</b>	160	✓		

\* A single piece is supplied for each Order No., except for half-round jaws, plain jaws (B type) and tram points, which are supplied as a two-pack.

### Typical application 1



Accessories used in application 1:  
 Half-round jaw (619013) 2 pcs.  
 Holder (619002) 1 pc.  
 Gauge block

### Typical application 2



Accessories used in application 2:  
 Base (619009) 1 pc.  
 Holder (619003) 1 pc.  
 Scriber point (619019) 1 pc.  
 Gauge block

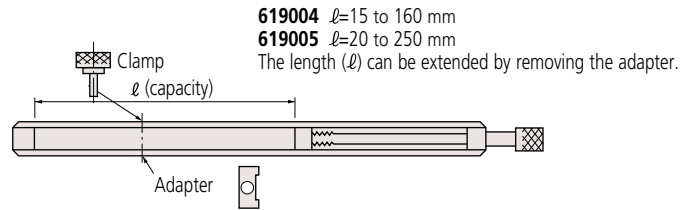
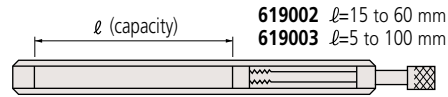
### Typical application 3



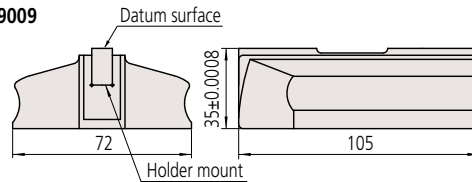
Setting a bore gage using a holder with a pair of Type I half-round jaws arranged as flat contact surfaces

### Holder

Thickness=15 mm  
 Width=29.5 mm



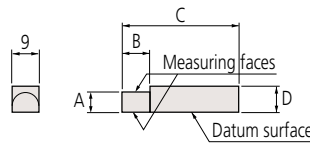
### Base 619009



Flatness of the datum surface 0.5  $\mu$ m  
 Parallelism 0.8  $\mu$ m  
 Flatness of the bottom surface 1  $\mu$ m

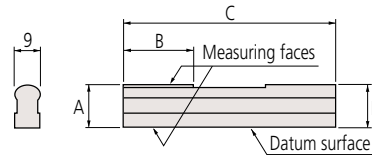
### Half-round jaws

#### Type I



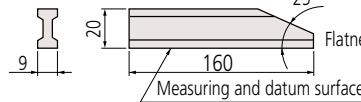
Flatness of the datum surface 0.5  $\mu$ m  
 Parallelism of A 0.5  $\mu$ m

#### Type II



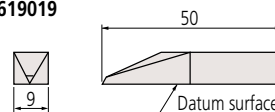
Order No.	Type	Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)
619010*	I	2	2±0.0005	5.5	40	7.5
619011*		5	5±0.0005	15.5	45	7.5
619012*		8	8±0.0005	20	50	8.5
619013*	II	12	12±0.0005	25	75	13
619014*		20	20±0.0005	25	125	20.5

### Plain jaw (B type) 619018\*



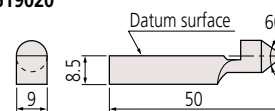
Flatness of the datum surface 1  $\mu$ m

### Scriber point 619019



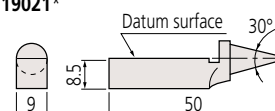
Flatness of the datum surface 0.5  $\mu$ m

### Center point 619020



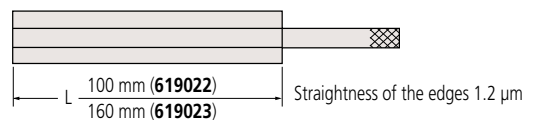
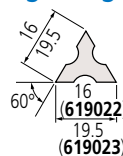
Eccentricity tolerance of the point ±10  $\mu$ m  
 Flatness of the datum surface 0.5  $\mu$ m

### Tram point 619021\*



Eccentricity tolerance of the point ±10  $\mu$ m  
 Flatness of the datum surface 0.5  $\mu$ m

### Triangular straightedge (for handheld use only)



\* A single piece is supplied for each Order No., except for half-round jaws, plain jaws (B type) and tram points, which are supplied as a two-pack.