

Gauge Blocks

Rectangular Gauge Block Accessories  
SERIES 516

- Accessory sets for extending the range of application for rectangular gauge blocks.
- 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 both steel and CERA blocks.



516-601  
(22 pcs.)

SPECIFICATIONS

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

\* A single piece is supplied for each code number, except for half-round jaws, plain jaws (B type) and tram points, which are supplied as a two-pack.

## Typical application



Half-round jaw (619013) 2 pcs.  
Holder (619002) 1 pc.  
Gauge block



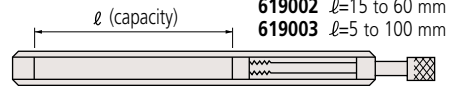
Base (619009) 1 pc.  
Holder (619003) 1 pc.  
Scriber point (619019) 1 pc.  
Gauge block



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

## Holder

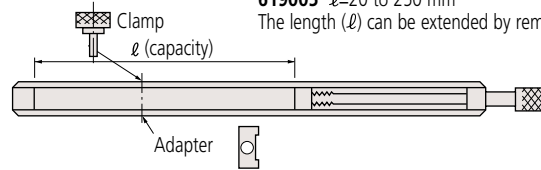
Thickness=15 mm  
Width=29.5 mm



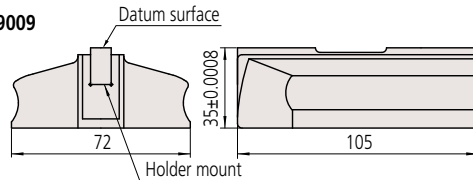
619004  $l=15$  to 160 mm

619005  $l=20$  to 250 mm

The length ( $l$ ) can be extended by removing the adapter.



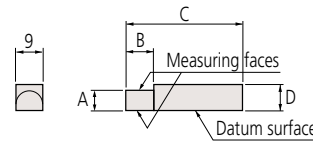
## Base 619009



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

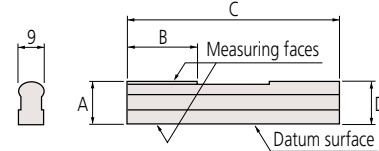
## Half-round jaws

### Type I



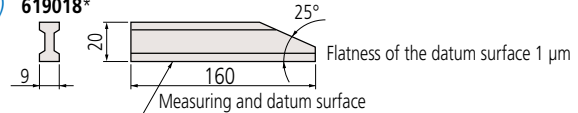
Flatness of the datum surface 0.5  $\mu$ m  
Parallelism of A 0.5  $\mu$ m

### Type II



Code 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

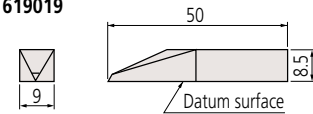
## Plain jaw (B type) 619018\*



Flatness of the datum surface 1  $\mu$ m

## Scriber point

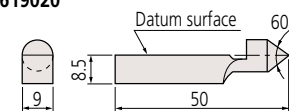
619019



Flatness of the datum surface 0.5  $\mu$ m

## Center point

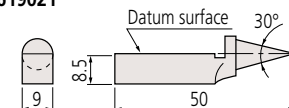
619020



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

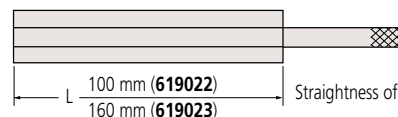
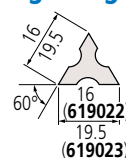
## Tram point

619021\*



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

## Triangular straightedge (for handheld use only)



Straightness of the edges 1.2  $\mu$ m

\* A single piece is supplied for each code number, except for half-round jaws, plain jaws (B type) and tram points, which are supplied as a two-pack.