

# Mitutoyo steel and ceramic gauge blocks

The Mitutoyo gauge blocks are available in all accuracy classes of ISO 3650. Only the most commonly used sizes can be found in this catalog. Other accuracy classes and sizes are available on request. Gauge blocks from 125 mm have two coupling holes on both ends so that they can be coupled by means of a toggle clamp. Individual gauge blocks and sets are delivered with an inspection report.

## Steel

These gauge blocks are made of alloy steel, and they are completely stress-relieved and very stable.

- Hardness: 800 HV.
- Available up to 1000 mm.
- Sets M8, M9, M103, M112 and M122 are available on request.

## Ceramics

The ceramic gauge blocks are made of zirconia. Because of this, these gauge blocks are highly durable and corrosion proof.

- Hardness: 1350 HV.
- Available up to 500 mm.
- Sets M8 and M103 are available on request.

## Gauge blocks, per piece

Size mm	Incr. mm	Steel		Ceramics	
		Class 1	Class 0	Class 1	Class 0
0.5	–	55.00	66.00	112.00	123.00
1	–	32.00	38.00	66.00	70.00
1.0005	–	32.00	38.00	66.00	70.00
1.001-1.009	0.001	32.00	38.00	66.00	70.00
1.01-1.49	0.01	29.00	34.00	57.00	63.00
1.5-2.0	0.1	24.00	30.00	48.00	53.00
2.5	–	22.00	28.00	48.00	53.00
3.0-4.0	0.5	22.00	28.00	44.00	50.00
4.5-5.0	0.5	22.00	28.00	44.00	50.00
5.5-10.0	0.5	24.00	30.00	48.00	53.00
10.5-11.0	0.5	26.00	31.00	50.00	56.00
11.5-12.5	0.5	26.00	31.00	50.00	56.00
13.0-15.5	0.5	26.00	31.00	52.00	56.00
16	–	27.00	32.00	57.00	62.00
16.5-17.5	0.5	27.00	32.00	57.00	62.00
18.0-20.0	0.5	27.00	32.00	59.00	64.00
20.5-23.0	0.5	29.00	33.00	66.00	71.00
23.5-24.5	0.5	29.00	33.00	66.00	71.00
25	–	29.00	33.00	70.00	77.00
30	–	31.00	34.00	79.00	85.00
40	–	33.00	38.00	89.00	96.00
50	–	38.00	45.00	104.00	112.00
60	–	47.00	57.00	116.00	126.00
70	–	51.00	63.00	129.00	140.00
75	–	56.00	73.00	136.00	149.00
80	–	57.00	75.00	144.00	154.00
90	–	61.00	77.00	156.00	168.00
100	–	64.00	81.00	168.00	183.00



## Gauge blocks in sets

Item No.	Class	Size mm	Increment mm	Pieces
<b>M32, steel:</b>				
517.967	1	1.005	–	1
		1.01-1.09	0.01	9
517.966	0	1.1-1.9	0.1	9
<b>M32, ceramics:</b>				
		1-9	1	9
516.367	1	10-30	10	3
516.366	0	60	–	1
<b>M46, steel:</b>				
516.996	1	1.001-1.009	0.001	9
		1.01-1.09	0.01	9
516.995	0	1.1-1.9	0.1	9
<b>M46, ceramics:</b>				
		1-9	1	9
516.396	1	10-100	10	10
516.395	0			
<b>M47, steel:</b>				
		1.005	–	1
516.963	1	1.01-1.19	0.01	19
517.962	0	1.2-1.9	0.1	8
<b>M47, ceramics:</b>				
		1-9	1	9
516.363	1	10-100	10	10
516.362	0			
<b>M87, steel:</b>				
		1.001-1.009	0.001	9
516.947	1	1.01-1.49	0.01	49
516.946	0	0.5-9.5	0.5	19
<b>M87, ceramics:</b>				
		10-100	10	10
516.347	1			
516.346	0			