



Precision Gauge Blocks



Gauge blocks are fundamental standards for linear measurement. For adjusting, checking, or inspecting measuring instruments and tools, and precision workpieces.

Gauge blocks are used either individually or in combination of several blocks which are wrung together. Steel gauge blocks are made of quality alloy steel, and carbide, the ceramics are also available.

The hardness number of the measuring surfaces is no less than HRC64.

The blocks have fine wear resistance, They are heat treated in special ways so as to stabilize their lengths.

JIS/ISO/DIN		ACCURACY STANDARD			
SIZE OVER	UP TO	ACCURACY AT 20°C (µm)			
		GRADE 00	GRADE 0	GRADE 1	GRADE 2
	10mm	± 0.06	± 0.12	± 0.20	± 0.45
10	-25mm	± 0.07	± 0.14	± 0.30	± 0.60
25	-50mm	± 0.10	± 0.20	± 0.40	± 0.80
50	-75mm	± 0.12	± 0.25	± 0.50	± 1.00
75	-100mm	± 0.14	± 0.30	± 0.60	± 1.20
100	-150mm	-	± 0.40	± 0.80	± 1.60

STEEL METRIC GAUGE BLOCKS

ORDER NO.	Total blocks	Nominal dimension	Steps	No. of blocks	Grade	Weight(kg)	CODE NO.
VGB-112-0	112	1.0005	-	1	0	3.5	2006-070
VGB-112-1		1.001-1.009	0.001	9			
VGB-112-2		1.01-1.49	0.01	49			
		0.5-24.5	0.5	49			
		25-100	25	4	2	3.5	2006-270
VGB-103-0	103	1.005	-	1	0	3.5	2006-072
VGB-103-1		1.01-1.49	0.01	49			
VGB-103-2		0.5-24.5	0.5	49			
		25-100	25	4			
VGB-87-0	87	1.001-1.009	0.001	9	0	3	2006-073
VGB-87-1		1.01-1.49	0.01	49			
VGB-87-2		0.5-9.5	0.5	19			
		10-100	10	10			
VGB-47-0	47	1.005	-	1	0	2.3	2006-074
VGB-47-1		1.01-1.09	0.01	9			
VGB-47-2		1.1-1.9	0.1	9			
		1-24	1	24			
		25-100	25	4	2	2.3	2006-274
VGB-38-0	38	1.005	-	1	0	2.3	2006-075
VGB-38-1		1.01-1.09	0.01	9			
VGB-38-2		1.1-1.9	0.1	9			
		1-9	1	9			
		10-100	10	10	2	2.3	2006-275

CARBIDE METRIC GAUGE BLOCKS

ORDER NO.	Total blocks	Nominal dimension	Steps	No. of blocks	Grade	Weight(kg)	CODE NO.
VGB-112T-0	112	1.0005	-	1	0	6	2006-080
VGB-112T-1		1.001-1.009	0.001	9			
VGB-112T-2		1.01-1.49	0.01	49			
		0.5-24.5	0.5	49			
		25-100	25	4	2	6	2006-280
VGB-103T-0	103	1.005	-	1	0	5.7	2006-081
VGB-103T-1		1.01-1.49	0.01	49			
VGB-103T-2		0.5-24.5	0.5	49			
		25-100	25	4			
VGB-87T-0	87	1.001-1.009	0.001	9	0	4.8	2006-082
VGB-87T-1		1.01-1.49	0.01	49			
VGB-87T-2		0.5-9.5	0.5	19			
		10-100	10	10			