



Precision Gauge Blocks



VERTEX®



STEEL METRIC 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 0
10mm	±0.06	±0.12
10 - 25mm	±0.07	±0.14
25 - 50mm	±0.10	±0.20
50 - 75mm	±0.12	±0.25
75 - 100mm	±0.14	±0.30
100 - 150mm	-	±0.40

SIZE OVER UP TO	ACCURACY AT 20°C (µm)	GRADE 1	GRADE 2
10mm	±0.20	±0.45	
10 - 25mm	±0.30	±0.60	
25 - 50mm	±0.40	±0.80	
50 - 75mm	±0.50	±1.00	
75 - 100mm	±0.60	±1.20	
100 - 150mm	±0.80	±1.60	

ORDER NO.	Total blocks	Nominal dimension	Steps	No. of blocks	Grade	Weight (kg)	CODE NO.
VGB-112-0	112	1.0005	0.001	1	0	3.7	2006-070
VGB-112-1		1.001-1.009	0.01	9	1	3.7	2006-170
VGB-112-2		1.01-1.49	0.05	49	2	3.7	2006-270
VGB-103-0	103	1.005	-	1	0	3.6	2006-072
VGB-103-1		1.01-1.49	0.01	49	1	3.6	2006-172
VGB-103-2		1.5-24.5	0.25	4	2	3.6	2006-272
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	1	3	2006-173
VGB-87-2		1.5-10	0.5	10	2	3	2006-273
VGB-47-0	47	1.005	-	1	0	2.4	2006-074
VGB-47-1		1.01-1.09	0.01	9	1	2.4	2006-174
VGB-47-2		1-24	1	24	2	2.4	2006-274
VGB-38-0	38	1.005	-	1	0	2.5	2006-075
VGB-38-1		1.01-1.09	0.01	9	1	2.5	2006-175
VGB-38-2		1-9	1	9	2	2.5	2006-275

CARBIDE METRIC GAUGE BLOCKS

ORDER NO.	Total blocks	Nominal dimension	Steps	No. of blocks	Grade	Weight (kgs)	CODE NO.
VGB-112T-0	112	1.0005	0.001	1	0	5.8	2006-080
VGB-112T-1		1.001-1.009	0.01	9	1	5.8	2006-180
VGB-112T-2		1.01-1.49	0.05	49	2	5.8	2006-280
VGB-103T-0	103	1.005	-	1	0	5.6	2006-081
VGB-103T-1		1.01-1.49	0.01	49	1	5.7	2006-181
VGB-103T-2		1.5-24.5	0.25	4	2	5.7	2006-281
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	1	4.9	2006-182
VGB-87T-2		1.5-10	0.5	10	2	4.8	2006-282
VGB-47T-0	47	1.005	-	1	0	4.6	2006-083
VGB-47T-1		1.01-1.09	0.01	9	1	4.6	2006-183
VGB-47T-2		1-24	1	24	2	4.6	2006-283