



Table of tolerances for gauge blocks according to DIN 861

(correspond with ISO 3650 and SS 3348)

Nominal length mm	Degree of precision 00		Degree of precision 0		Degree of precision 1		Degree of precision 2	
	Length tolerance) µm	Max length variation width**) µm	Length tolerance) µm	Max length variation width**) µm	Length tolerance) µm	Max length variation width**) µm	Length tolerance) µm	Max length variation width**) µm
-10	±0.06	0.05	±0.12	0.10	±0.20	0.16	±0.45	0.30
(10)-25	±0.07	0.05	±0.14	0.10	±0.30	0.16	±0.60	0.30
(25)-50	±0.10	0.06	±0.20	0.10	±0.40	0.18	±0.80	0.30
(50)-75	±0.12	0.06	±0.25	0.12	±0.50	0.18	±1.00	0.35
(75)-100	±0.14	0.07	±0.30	0.12	±0.60	0.20	±1.20	0.35
(100)-150	±0.20	0.08	±0.40	0.14	±0.80	0.20	±1.60	0.40
(150)-200	±0.25	0.09	±0.50	0.16	±1.00	0.25	±2.00	0.40
(200)-250	±0.30	0.10	±0.60	0.16	±1.20	0.25	±2.40	0.45
(250)-300	±0.35	0.10	±0.70	0.18	±1.40	0.25	±2.80	0.50
(300)-400	±0.45	0.12	±0.90	0.20	±1.80	0.30	±3.60	0.50
(400)-500	±0.50	0.14	±1.10	0.25	±2.20	0.35	±4.40	0.60
(500)-600	±0.60	0.16	±1.30	0.25	±2.60	0.40	±5.00	0.70
(600)-700	±0.70	0.18	±1.50	0.30	±3.00	0.45	±6.00	0.70
(700)-800	±0.80	0.20	±1.70	0.30	±3.40	0.50	±6.50	0.80
(800)-900	±0.90	0.20	±1.90	0.35	±3.80	0.50	±7.50	0.90
(900)-1000	±1.00	0.25	±2.00	0.40	±4.20	0.60	±8.00	450

*) = Permitted ± deviation at arbitrary point in relation to nominal dimension.

***) = Permitted length variation (depending on flatness and parallelism error).