

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 (10) - 25 (25) - 50	±0.06 ±0.07 ±0.10	0.05 0.05 0.06	±0.12 ±0.14 ±0.20	0.10 0.10 0.10	±0.20 ±0.30 ±0.40	0.16 0.16 0.18	±0.45 ±0.60 ±0.80	0.30 0.30 0.30
(50) - 75 (75) - 100 (100) - 150	±0.12 ±0.14 ±0.20	0.06 0.07 0.08	±0.25 ±0.30 ±0.40	0.12 0.12 0.14	±0.50 ±0.60 ±0.80	0.18 0.20 0.20	±1.00 ±1.20 ±1.60	0.35 0.35 0.40
(150) - 200 (200) - 250 (250) - 300	±0.25 ±0.30 ±0.35	0.09 0.10 0.10	±0.50 ±0.60 ±0.70	0.16 0.16 0.18	±1.00 ±1.20 ±1.40	0.25 0.25 0.25	±2.00 ±2.40 ±2.80	0.40 0.45 0.50
(300) - 400 (400) - 500 (500) - 600	±0.45 ±0.50 ±0.60	0.12 0.14 0.16	±0.90 ±1.10 ±1.30	0.20 0.25 0.25	±1.80 ±2.20 ±2.60	0.30 0.35 0.40	±3.60 ±4.40 ±5.00	0.50 0.60 0.70
(600) - 700 (700) - 800 (800) - 900 (900) - 1000	±0.70 ±0.80 ±0.90 ±1.00	0.18 0.20 0.20 0.25	±1.50 ±1.70 ±1.90 ±2.00	0.30 0.30 0.35 0.40	±3.00 ±3.40 ±3.80 ±4.20	0.45 0.50 0.50 0.60	±6.00 ±6.50 ±7.50 ±8.00	0.70 0.80 0.90 1.00

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

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