

Injection Molding Tolerance

Tolerance group	Code letter	Nominal Dimension Range																							
		Over up to	0 1	1 3	3 6	6 10	10 15	15 22	22 30	30 40	40 53	53 70	70 90	90 120	120 160	160 200	200 250	250 315	315 400	400 500	500 630	630 800	800 1000		
General tolerances																									
160	A		±0.28	±0.30	±0.33	±0.37	±0.42	±0.49	±0.57	±0.66	±0.78	±0.94	±1.15	±1.40	±1.80	±2.20	±2.70	±3.30	±4.10	±5.10	±6.30	±7.90	±10.00		
	B		±0.18	±0.20	±0.23	±0.27	±0.32	±0.39	±0.47	±0.56	±0.88	±0.84	±1.05	±1.30	±1.70	±2.10	±2.60	±3.20	±4.00	±5.00	±6.20	±7.80	±9.90		
150	A		±0.23	±0.25	±0.27	±0.30	±0.34	±0.38	±0.43	±0.49	±0.57	±0.68	±0.81	±0.97	±1.20	±1.50	±1.80	±2.20	±2.80	±3.40	±4.30	±5.30	±6.60		
	B		±0.13	±0.15	±0.17	±0.20	±0.24	±0.28	±0.33	±0.39	±0.47	±0.58	±0.71	±0.87	±1.10	±1.40	±1.70	±2.10	±2.70	±3.30	±4.20	±5.20	±6.50		
140	A		±0.20	±0.21	±0.22	±0.24	±0.27	±0.30	±0.34	±0.38	±0.43	±0.50	±0.60	±0.70	±0.85	±1.05	±1.25	±1.55	±1.90	±2.30	±2.90	±3.60	±4.50		
	B		±0.10	±0.11	±0.12	±0.14	±0.17	±0.20	±0.24	±0.28	±0.33	±0.40	±0.50	±0.60	±0.75	±0.95	±1.15	±1.45	±1.80	2.20	±2.80	±3.50	±4.40		
130	A		±0.18	±0.19	±0.20	±0.21	±0.23	±0.25	±0.27	±0.30	±0.34	±0.38	±0.44	±0.51	±0.60	±0.70	±0.90	±1.10	±1.30	±1.60	±2.00	±2.50	±3.00		
	B		±0.08	±0.09	±0.10	±0.11	±0.13	±0.15	±0.17	±0.20	±0.24	±0.28	±0.34	±0.41	±0.50	±0.60	±0.80	±1.00	±1.20	±1.50	±1.90	±2.40	±2.90		
Tolerances on dimensions with deviations entered against the dimension																									
160	A		0.56	0.60	0.66	0.74	0.84	0.98	1.14	1.32	1.56	1.88	2.30	2.80	3.60	4.40	5.40	6.60	8.20	10.20	12.50	15.80	20.00		
	B		0.36	0.40	0.46	0.54	0.64	0.78	0.94	1.12	1.36	1.68	2.10	2.60	3.40	4.20	5.20	6.40	8.00	10.00	12.30	15.60	19.80		
150	A		0.46	0.50	0.54	0.60	0.68	0.76	0.86	0.98	1.14	1.36	1.62	1.94	2.40	3.00	3.60	4.40	5.60	6.80	8.60	10.60	13.20		
	B		0.26	0.30	0.34	0.40	0.48	0.56	0.66	0.78	0.94	1.16	1.42	1.74	2.20	2.80	3.40	4.20	5.40	6.60	8.40	10.40	13.00		
140	A		0.40	0.42	0.44	0.48	0.54	0.60	0.68	0.76	0.86	1.00	1.20	1.40	1.70	2.10	2.50	3.10	3.80	4.60	5.80	7.20	9.00		
	B		0.20	0.22	0.24	0.28	0.34	0.40	0.48	0.56	0.66	0.80	1.00	1.20	1.50	1.90	2.30	2.90	3.60	4.40	5.60	7.00	8.80		
130	A		0.36	0.38	0.40	0.42	0.46	0.50	0.54	0.60	0.68	0.76	0.88	1.02	1.20	1.50	1.80	2.20	2.60	3.20	3.90	4.90	6.00		
	B		0.16	0.18	0.20	0.22	0.26	0.30	0.34	0.40	0.48	0.56	0.68	0.82	1.00	1.30	1.60	2.00	2.40	3.00	3.70	4.70	5.80		
120	A		0.32	0.34	0.36	0.38	0.40	0.42	0.46	0.50	0.54	0.60	0.68	0.78	0.90	1.06	1.24	1.50	1.80	2.20	2.60	3.20	4.00		
	B		0.12	0.14	0.16	0.18	0.20	0.22	0.26	0.30	0.34	0.40	0.48	0.58	0.70	0.86	1.04	1.3	1.6	2.00	2.40	3.00	3.80		
110	A		0.18	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.36	0.40	0.44	0.50	0.58	0.68	0.80	0.96	1.16	1.40	1.70	2.10	2.60		
	B		0.08	0.10	0.12	0.14	0.16	0.18	0.20	0.22	0.26	0.30	0.34	0.40	0.48	0.58	0.70	0.86	1.06	1.30	1.60	2.00	2.50		
100	A		0.10	0.12	0.14	0.16	0.20	0.22	0.24	0.26	0.28	0.31	0.35	0.40	0.50										
	B		0.05	0.06	0.07	0.08	0.10	0.12	0.14	.016	0.18	0.21	0.25	0.30	0.40										
<p>A For non-mould-related dimensions</p> <p>B For mould-related dimensions</p>																									