

**1. General dimension tolerance for parts formed by press working from sheet metal JIS B 0408—1991—**

**Table 1. General dimension tolerances of punching Units: mm**

Standard dimension	Grade		
	Grade A	Grade B	Grade C
No more than 6	±0.05	±0.1	±0.3
More than 6 No more than 30	±0.1	±0.2	±0.5
More than 30 No more than 120	±0.15	±0.3	±0.8
More than 120 No more than 400	±0.2	±0.5	±1.2
More than 400 No more than 1000	±0.3	±0.8	±2
More than 1000 No more than 2000	±0.5	±1.2	±3

**Note** Grade A, B, and C are equivalent to tolerance grades f, m, and c in JIS B 0405.

**Table 2. General dimensional tolerances of bending and drawing Units: mm**

Standard dimension	Grade		
	Grade A	Grade B	Grade C
No more than 6	±0.1	±0.3	±0.5
More than 6 No more than 30	±0.2	±0.5	±1
More than 30 No more than 120	±0.3	±0.8	±1.5
More than 120 No more than 400	±0.5	±1.2	±2.5
More than 400 No more than 1000	±0.8	±2	±4
More than 1000 No more than 2000	±1.2	±3	±6

**Note** Grade A, B, and C are equivalent to tolerance grades f, m, and c in JIS B 0405.

**2. General tolerances for parts formed by shear from metal plates JIS B 0410—1991—**

**Table 1. General dimensional tolerances of cut widths Units: mm**

Standard dimension	Material thickness (t) class							
	t ≤ 1.6		1.6 < t ≤ 3		3 < t ≤ 6		6 < t ≤ 12	
	Grade		Grade		Grade		Grade	
	Grade A	Grade B	Grade A	Grade B	Grade A	Grade B	Grade A	Grade B
No more than 30	±0.1	±0.3	—	—	—	—	—	—
More than 30 No more than 120	±0.2	±0.5	±0.3	±0.5	±0.8	±1.2	—	±1.5
More than 120 No more than 400	±0.3	±0.8	±0.4	±0.8	±1	±1.5	—	±2
More than 400 No more than 1000	±0.5	±1	±0.5	±1.2	±1.5	±2	—	±2.5
More than 1000 No more than 2000	±0.8	±1.5	±0.8	±2	±2	±3	—	±3
More than 2000 No more than 4000	±1.2	±2	±1.2	±2.5	±3	±4	—	±4

**Table 2. General tolerances of straightness Units: mm**

Nominal dimension of cut length	Material thickness (t) class							
	t ≤ 1.6		1.6 < t ≤ 3		3 < t ≤ 6		6 < t ≤ 12	
	Grade		Grade		Grade		Grade	
	Grade A	Grade B	Grade A	Grade B	Grade A	Grade B	Grade A	Grade B
No more than 30	0.1	0.2	—	—	—	—	—	—
More than 30 No more than 120	0.2	0.3	0.2	0.3	0.5	0.8	—	1.5
More than 120 No more than 400	0.3	0.5	0.3	0.5	0.8	1.5	—	2
More than 400 No more than 1000	0.5	0.8	0.5	1	1.5	2	—	3
More than 1000 No more than 2000	0.8	1.2	0.8	1.5	2	3	—	4
More than 2000 No more than 4000	1.2	2	1.2	2.5	3	5	—	6

**Table 3. General tolerances for perpendicularity Units: mm**

Nominal length of short side	Material thickness (t) class					
	t ≤ 3		3 < t ≤ 6		6 < t ≤ 12	
	Grade		Grade		Grade	
	Grade A	Grade B	Grade A	Grade B	Grade A	Grade B
No more than 30	—	—	—	—	—	—
More than 30 No more than 120	0.3	0.5	0.5	0.8	—	1.5
More than 120 No more than 400	0.8	1.2	1	1.5	—	2
More than 400 No more than 1000	1.5	3	2	3	—	3
More than 1000 No more than 2000	3	6	4	6	—	6
More than 2000 No more than 4000	6	10	6	10	—	10