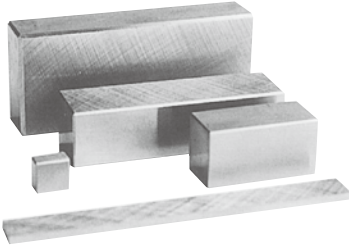


Mini-Plates (with B dimensions of less than 60 mm)



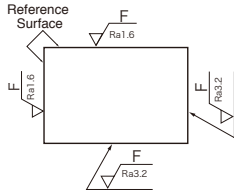
Materials

DC 53, SKD11, SPH40, G04, SKS3, SK3, S50C, SS400, and others

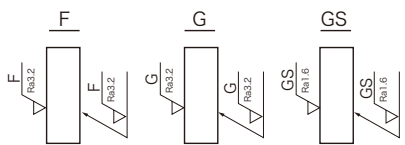
(Mini-plates can also be made from plastic steel, hot work steels, and other materials.)

Machining Specifications

A and B Surfaces



T Surface



Mini-Plate Dimension Ranges

A dimension	$10\text{mm} \leq A < 50\text{mm}$
B dimension	$10\text{mm} \leq B < 60\text{mm}$

Tolerances

Item	Product Standard
A dimension	$+0.2\text{mm} \sim +0.4\text{mm}$
B dimension	$+0.2\text{mm} \sim +0.4\text{mm}$

Item	Material	Product Standard
T dimension	SS400, S50C, SPH40	$+0.1\text{mm} \sim +0.3\text{mm}$
	SK3, SKS3, G04, G05, SKD11 DC53, SKH51, DCLT, DCMX	$+0.3\text{mm} \sim +0.5\text{mm}$
	DEX20, DEX40	$+0.4\text{mm} \sim +0.6\text{mm}$

Degree of Parallelism of T Surfaces (in the case of A dimension of 100 mm)

T dimension	Product standards where $A \leq 5 \times B$			
Machining	$T < 5\text{mm}$	$5\text{mm} \leq T < 16\text{mm}$	$16\text{mm} \leq T < 26\text{mm}$	$26\text{mm} \leq T$
F	$\leq 0.070\text{mm}$	$\leq 0.050\text{mm}$	$\leq 0.025\text{mm}$	$\leq 0.020\text{mm}$
G·GS	$\leq 0.040\text{mm}$	$\leq 0.030\text{mm}$	$\leq 0.015\text{mm}$	$\leq 0.012\text{mm}$

T dimension	Product standards where $5 \times B < A$			
Machining	$T < 5\text{mm}$	$5\text{mm} \leq T < 16\text{mm}$	$16\text{mm} \leq T < 26\text{mm}$	$26\text{mm} \leq T$
F	$\leq 0.090\text{mm}$	$\leq 0.070\text{mm}$	$\leq 0.035\text{mm}$	$\leq 0.025\text{mm}$
G·GS	$\leq 0.050\text{mm}$	$\leq 0.040\text{mm}$	$\leq 0.020\text{mm}$	$\leq 0.015\text{mm}$

Flatness of T Surfaces

(in the case of A dimension of 100 mm)

F	$\leq 0.020\text{mm}$
G·GS	$\leq 0.012\text{mm}$

Squareness of Reference Surface

(in the case of A dimension of 100 mm)

$A \leq 5 \times B$	$\leq 0.015\text{mm}$
$5 \times B < A$	$\leq 0.030\text{mm}$

Surface Roughness

	Product standard
Reference surface	$1.6\mu\text{mRa}$
T surfaces (F, G)	$3.2\mu\text{mRa}$
T surfaces (GS)	$1.6\mu\text{mRa}$
Other surfaces	$3.2\mu\text{mRa}$

Chamfer

Entire circumference has a 0.2 mm – 0.3 mm chamfer