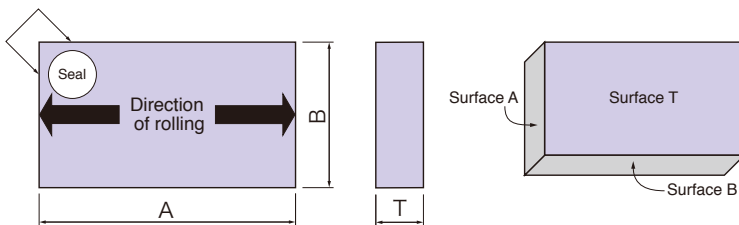
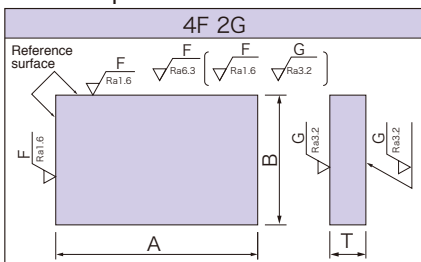


Star Plate Specifications

Machining Specifications



Basic Specifications



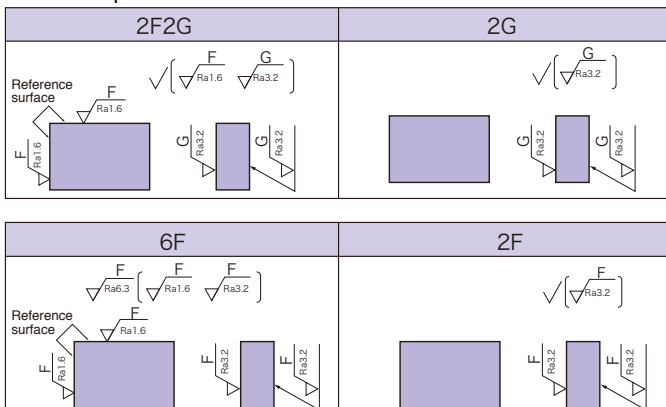
Machining Codes

Code	Machining details
F	Milling
G	Rotary grinding

Labeling Codes

Code	Meaning
T	Thickness
A	Length
B	Width

Other Specifications



※ Products can also be produced to custom specifications.

Plate Machining Ranges

We can produce plates in a wide range of sizes from mini-plates to large plates according to the purpose such as press dies, plastic dies, jigs, die casting, and automated machinery.



Specialty Plates

Machining Ranges

In mm or kg

Machined area		Maximum		
		Milling (F)	Rotary grinding (G)	Surface grinding (GS)
T	2.5	400	250	900
A	10	7,500	Diagonal 1,800	4,000
B	10	3,000		2,000
Mass (per unit)	—	5,000	1,000	1,500

Tolerances

	Product standard		
	4F2G, 6F	2F2G	2G, 2F
A dimension B dimension	+0.2mm~+0.4mm	0mm~+2.0mm	0mm~+10.0mm

		Product standard
		4F2G, 2F2G, 2G, 6F, 2F
T dimension	SS400,S50C,SPH40	+0.1mm~+0.3mm
	SK3,SKS3,GO4,GO5,SKD11,DC53,SKH51,DCLT,DCMX	+0.3mm~+0.5mm
	DEX20,DEX40	+0.4mm~+0.6mm

*The A and B dimension tolerances can be modified to order.

*T dimension tolerances can be modified to order. *Raw material T dimensions can be modified to order.

*Please inquire concerning steel types not indicated. *Please inquire concerning products with T dimensions in excess of 300 mm.

Degree of Parallelism, Flatness, and Squareness (in the case of A dimension of 100 mm)

		Product standard	
		4F2G, 2F2G	2G
Degree of parallelism of T surfaces		$\leq 0.012\text{mm}$	$\leq 0.012\text{mm}$
Flatness of T surfaces	$5\text{mm} \leq T < 16\text{mm}$	$\leq 0.030\text{mm}$	$\leq 0.030\text{mm}$
	$16\text{mm} \leq T < 26\text{mm}$	$\leq 0.015\text{mm}$	$\leq 0.015\text{mm}$
	$26\text{mm} \leq T$	$\leq 0.012\text{mm}$	$\leq 0.012\text{mm}$
$5\text{mm} \leq T < 9\text{mm}$ and $300\text{mm} \leq A$		$\leq 0.045\text{mm}$	$\leq 0.045\text{mm}$
Squareness of reference surface		$\leq 0.015\text{mm}$	-

Surface Roughness

	Product standard				
	4F2G	2F2G	2G	6F	2F
Reference surface	$1.6\mu\text{mRa}$	$1.6\mu\text{mRa}$	-	$1.6\mu\text{mRa}$	-
T surfaces	$3.2\mu\text{mRa}$	$3.2\mu\text{mRa}$	$3.2\mu\text{mRa}$	$3.2\mu\text{mRa}$	$3.2\mu\text{mRa}$
Other surfaces	$6.3\mu\text{mRa}$	-	-	$6.3\mu\text{mRa}$	-

Chamfer

Entire circumference has a 0.5 mm chamfer

*Chamfer can be modified to 0 mm to 5 mm to order (if not specified, the chamfer will be 0.5 mm).