

# Machined Metal Plates

-Flat Bar Type-

You can check the Part Number while viewing the image drawing on the web, then make orders online immediately.  
 Log in to <http://ec.misumi.jp>. And view FA Plates Sheet Metals Free Design on Web Design Service.(Available in Japanese only)

\* All prices are in SS and subjected to change without prior notice

RoHS

Type	□	□
KPFN	S45CD	Black Oxide
KPFB		Electroless Nickel Plating
KPFS		SUS304D

⊕ Chamfered to C0.1 to C0.5, unless otherwise specified.  
⊕ For b dimension and tolerance, refer to [P.2742](#).

### Hole Selection

**A** No Hole

**T**

2-Hole Selection (1)  
 N (Through Hole)  
 M (Tapped Hole)

**W**

Hole Selection (1)  
 N (Through Hole)  
 M (Tapped Hole)

Hole Selection (2)  
 NA (Through Hole)  
 MA (Tapped Hole)  
 H (Through Hole)

**V**

4-Hole Selection (1)  
 N (Through Hole)  
 M (Tapped Hole)

**F**

2-Hole Selection (1)  
 N (Through Hole)  
 M (Tapped Hole)

2-Hole Selection (2)  
 NA (Through Hole)  
 MA (Tapped Hole)  
 H (Through Hole)

**U**

2-Hole Selection (1)  
 N (Through Hole)  
 M (Tapped Hole)

4-Hole Selection (2)  
 NA (Through Hole)  
 MA (Tapped Hole)

**Y**

2-Hole Selection (1)  
 N (Through Hole)  
 M (Tapped Hole)

4-Hole Selection (2)  
 NA (Through Hole)  
 MA (Tapped Hole)  
 H (Through Hole)

**Hole Selection Table**

Hole Type	Through Hole	Tapped Hole (Coarse Thread)	Through Hole
Code	N · NA	M · MA	D · H
Shape			
Machining Specifications	Dimension: <b>Nominal Diameter</b> 3 4 5 6 8 10 d 3.5 4.5 5.5 6.5 9 11		3-30

Part Number		A	B	Hole Selection (1)											Hole Selection (2)		0.5mm Increment			
Type	Hole Machining Selection	T Selection	1mm Increment	Selection	X	Y	F	G	V	S	W	Q	R	Code	Nominal Diameter	Code	Nominal Diameter	D		
KPFN KPFB KPFM	A W F Y T V U	6 9 12 16 19	30-300	25 32	0.1mm Increment											N	3 4 5 6 8 10	NA	3 4 5 6 8 10	3-30
				60 100														MA		
				125														H	3-30 0.5mm Increment	
KPFS				25 32																

⊕ B=125 is not available for type KPFS. ⊕ A ⊕ B

**Order Example**

Part Number: **A - B - X - Y - F - G - V - S - W - Q - R - D**

KPFN W 6 - A80 - B50 - X10 - Y25 - F60  
 KPFS U 12 - A85 - B50 - X8 - Y8 - F52 - G34 - S25 - Q30 - R30 - N4 - NA4 - MA3 - D20

**Days to Ship**

•KPFN · KPFS: **7** Days  
 •KPFB · KPFM: **10** Days

**Price**

Volume Discount Rate (⊕ Round down to the nearest one cent, IP91)

Quantity	1-4	5-9	10-19	20-49
Rate	Price List	5%	10%	15%

⊕ For orders larger than indicated values, please request for quotation. ⊕ Add hole machining charge to the body price. (Body price only for **A** No Hole Type.)

A	B	T	Body Price				Hole Machining Price (Body Price+)					
			KPFN	KPFB	KPFM	KPFS	W	F	Y	T	V	U
30-50	25	32	12.03	14.92	16.85	21.66	11.55	20.54	29.52	23.10	32.09	41.07
51-150			16.04	19.73	22.94	30.32						
151-300			19.25	24.87	27.27	38.51						
30-50			12.03	15.72	20.38	21.66						
51-150	38	50	21.66	27.60	31.29	34.98	11.87	21.18	30.48	24.07	33.37	42.68
151-300			24.07	30.64	34.49	48.13						
38-50			12.03	18.61	22.46	21.66						
51-150			21.66	29.68	32.89	37.54						
151-300	60	19	24.07	32.57	36.58	52.95	11.87	21.18	30.48	24.07	33.37	42.68
38-50			12.03	20.54	24.55	21.66						
51-150			24.07	33.05	38.18	44.60						
151-300			28.88	38.35	46.21	67.38						
60-150	65	12	24.07	32.09	41.39	-	11.55	20.54	29.52	23.10	32.09	41.07
151-300			28.88	38.35	48.13	-						
60-150			26.47	35.94	45.73	-						
151-300			33.69	45.56	55.03	-						
65-150	100	19	-	-	-	55.35	11.55	20.54	29.52	23.10	32.09	41.07
151-300			-	-	-	67.38						
65-150			-	-	-	64.98						
151-300			-	-	-	86.64						
100-150	125	12	28.88	38.35	50.22	72.20	11.55	20.54	29.52	23.10	32.09	41.07
151-300			38.51	50.86	62.57	96.26						
100-150			33.69	46.05	55.03	91.45						
151-300			48.13	62.25	76.69	125.14						
125-150	16	19	33.69	45.56	57.76	89.04	11.55	20.54	29.52	23.10	32.09	41.07
151-300			48.13	60.49	76.69	120.33						
125-150	6	9	40.91	53.27	69.47	103.48	11.87	21.18	30.48	24.07	33.37	42.68
151-300			57.76	71.88	90.65	154.02						

**Alterations**

Part Number: **A - B - X - Y - F - G - V - S - W - Q - R - D (DC)**

KPFN V 6 - A80 - B38 - X10 - Y10 - F60 - G20 - V40 - S20 - N4 - DC31

**Alteration Table**

Alteration	Code	Spec.	Price Adder
D Hole Diameter	DC	Changes the diameter of D hole. DC = 1mm Increment (Ordering Code) Specify dimension D as DC. (Ex.) D=40→DC40	DC31-40: 9.63 DC41-50: 12.84 DC51-60: 16.04

**Precision Standards**

(S45CD)

-T Dimension Tolerance: 6 9 12-16 19  
 -0.18 -0.22 -0.27 -0.3

(SUS304D)

-A Dimension Tolerance ±0.15  
 ±0.15

-B Dimension Tolerance: 25 -50 -60 100 125  
 -0.21 -0.25 -0.3 -0.35 -0.4

-C Dimension Tolerance: 25 -50 65 100 125  
 +0.15 +0.15 +0.15 +0.15 0  
 -0.33 -0.39 -0.46 -0.54 -0.73

-Bending: 0.1 or Less per 100mm  
 0.25 or Less per 100mm