

Angle Plates

Mounting Hole Selectable & Hole Position Fixed Type

Angle Plates – Mounting Hole Selectable & Hole Position Fixed Type

Type	Side A Hole Shape (See Below)	Side H Hole Shape (See Below)	Material	Surface Treatment
IK	X Y K	X	Alloy Cast Iron Class No.35	Primer Coating (Gray)
BIK		Z		Black Oxide
MIK		K		Electroless Nickel Plating
AIK		T	Aluminum Casting Alloy 514.0	—

Ⓜ Alloy Cast Iron Class No.35 surface treatment is not applied to the machined surfaces and holes.

(1) A Shape
Select from the diagram below.

(2) H Shape
Select from the diagram below.

(1) A Shape

X Slotted Hole X Direction

When A=50, 70

When A=100 or More

Y Slotted Hole Y Direction

When A=50, 70

When A=100 or More

K Through Holes and Dowel Holes

When A=50

When A=70

When A=100 or More

(2) H Shape Selection

X Slotted Hole X Direction

Z Slotted Hole Z Direction

*When H=100, straight sections of slotted holes are 15.

K Through Holes and Dowel Holes

T Tapped Hole

Type	Part Number		H	A	Side A / Side H																			
	(1) Side A Shape	(2) Side H Shape			Angle Plate Body			Slotted Hole (Shape Selection XYZ)						Through Hole & Dowel Hole (Shape Selection K)			Tapped Hole (Shape Sel. T)							
					W	T	T ₁	X	F	Y	G	X	F	Y	G	a	h	Y	G					
IK BIK MIK AIK	X Slotted Hole X Direction	X Slotted Hole X Direction	100	50	100	15	14	33	—	—	—	35	—	—	—	—	—	—	—	—	—	—		
				45				40	40	40	45	40	45	40	65	65	45	40						
			150	70	100	15	14	45	—	—	—	40	—	—	—	55	105	75	60	—	—	—	—	—
				40				40	60	60	45	40	75	60	65	65	105	75	60					
			200	120	100	15	14	45	50	95	70	50	50	110	70	75	145	110	70	—	—	—	—	—
								50	125	—	—	50	50	140	—	75	185	140	—	—	—			
	250	150	100	15	14	18	15	45	80	175	—	—	40	90	190	235	190	—	—	—	—	—		
									215	100	—	—	40	90	230	100	85	280	230	100				
	350	150	100	15	14	18	15	45	245	120	—	—	40	90	260	260	120	—	—	—	—	—		
	400	150	100	15	14	18	15	45	—	—	—	—	40	90	260	260	120	—	—	—	—	—		

Part Number Example

Type	A Side Selection	H Side Selection	H	A
IK	Y	K	150	100

Angle Plates

Mounting Surface Tapped Holes & Mounting Holes Position Specified

Tapped hole position on the mounting surface (side H) can be specified according to the workpiece.

Angle Plates – Mounting Surface Tapped Holes & Mounting Holes Position Specified

Type	Material	Surface Treatment
IKFT	Cast Iron Class No.35	Primer Coating (Gray)
IKFTB		Black Oxide
IKFTM		Electroless Nickel Plating
IKFTA	Aluminum Casting Alloy 514.0	—

Ⓜ Cast Iron Class No.35: Surface treatment is not applied to the machined surfaces (Side H, Side A, Side Surface) and holes.

Side Surface

Surface A (Base Surface)

When A=75 or Less

When A=100 or More

Part Number	Type	H	A	1 mm Increment			Tapped Hole	Angle Plate Body			Through Hole				
				P	Y	G		M	W	T	T ₁	d	B	X	F
IKFT Primer Coating / Gray	4	60	40	20	15-25	0	9-30	30	8	6	3.5	20	15	—	
			40	20	15-70	0	9-70	30	8	6	3.5	20	15	—	
		100	50	—	—	—	—	—	100	15	14	11	70	35	—
			30-70	25-60	0	10-65	—	—	—	—	—	—	—	—	—
		150	50	30	—	—	—	—	50	15	14	11	30	35	—
			70	30-70	25-110	0	10-115	70	40				—		
	IKFTB Black Oxide	5	150	75	30-45	—	—	75	15	14	11	50	40	—	
				100	30-70	—	—	100	15	14	11	70	45	40	
	IKFTM Electroless Nickel Plating	6	200	75	30-70	25-160	0	10-165	75	15	14	11	50	40	—
				120	30-70	—	—	120	15	14	11	70	50	50	
	IKFTA Aluminum Casting	8	250	120	—	30-205	0	10-210	100	18	15	11	70	40	90
				150	—	30-255	0	10-260							
350				150	30-305	0	10-310								
400				150	30-355	0	10-360								

- Ⓜ Tap depth is M x 2. (The pilot holes for tapping go through.)
- Ⓜ Please specify within the range in order to prevent machining limits and interference of bolt head.
- Ⓜ M+T₁+10≦P≦W-M-10 (except when A=40)
- Ⓜ T+M+5≦Y≦H-2M-10
- Ⓜ M+5≦G≦H-Y-M-5 (except when G=0)

Part Number Example

Part Number: IKFTB60 - A40 - P20 - Y25 - G0 - M4

H	A	Available Types			
		Cast Iron Class No.35			Aluminum Casting Alloy 514.0
		IKFT	IKFTB	IKFTM	IKFTA
60	40	•	•	•	•
	40	•	•	•	•
	50	•	•	•	•
100	50	•	•	•	•
	70	•	•	•	•
	100	•	•	•	•
150	50	•	•	•	•
	75	•	•	•	•
	100	•	•	•	•
200	75	•	•	•	•
	120	•	•	•	•
	150	•	•	•	•
250	120	•	•	•	•
	150	•	•	•	•
	150	•	•	•	•
300	150	•	•	•	•
	150	•	•	•	•
	150	•	•	•	•
350	150	•	•	•	•
	150	•	•	•	•
	150	•	•	•	•
400	150	•	•	•	•
	150	•	•	•	•
	150	•	•	•	•

Application Example

Cylinder P3594

IKFT

Tapped holes on mounting surfaces can be specified according to the work piece.