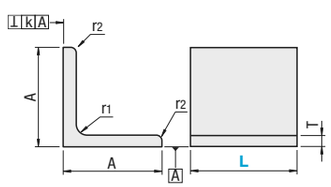
L-Shaped Angles

With Inside Radius, 2-Equal Sides / Unequal Sides

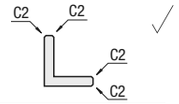
■With Inside Radius, 2-Equal Sides

RoHS

Type	Material
LACS	EN 1.0038 Equiv.
LACA	EN AW-6063 Equiv.
LACU	EN 1.4301 Equiv.



* LACA12 (Aluminum) only has radius r_2 shape as shown on the right.



T Tolerance

Type	No.	Perpendicularity k	A	L
LACS	3, 5, 6, 8, 9, 9A, 13	±2.0	±2.0	+1.00
LACS	9B, 15, 15A, 15B	±3.0	±3.0	+3.00
LACA	3, 3A, 3B, 3C, 4, 4A, 4B, 5, 5A, 5B, 5C, 6, 6A, 6B, 6C, 8, 9, 9A, 10, 10A, 12	±2.0	±0.9	+1.00
LACA	14, 18	±3.0	±0.8	+2.00
LACU	6, 8, 8A, 9, 10			

M EN 1.0038 Equiv. products are shot blasted (Only LACS3 surfaces are as material"). EN AW-6063 Equiv. and EN 1.4301 Equiv. surfaces are "as material".

Part Number Type	No.	L 1mm Increment	T	T Dim. Tolerance	A	r_1	r_2	Unit Price L30~49	L50~99	L100~149	L150~199	L200~249	L250~300
LACS (EN 1.0038 Equiv.)	3	30~300	3	±0.5	30	3.0	1.5						
	5		5		30	5.0	2.5						
	6		6		50	6.0	3.0						
	8		8	±0.7	65	9.0	4.0						
	9		9		75		4.5						
	9A				90								
	9B			±0.8	130			-	-				
	13		13		90	13.0	6.5						
	15	100~300	15		130	15.0	7.5	-	-				
	15A				150			-	-				
	15B				175			-	-				
LACA (EN AW-6063 Equiv.)	3	30~300	3	±0.25	20	-	-						
	3A				30	-	-						
	3B				40	-	-						
	3C				50	-	-						
	4		4		30	-	-						
	4A				40	-	-						
	4B				50	-	-						
	5		5		30	-	-						
	5A				40	-	-						
	5B				50	-	-						
	5C				60	-	-						
	6		6	±0.3	40	-	-						
	6A				50	-	-						
	6B				60	-	-						
	6C				75	6.0	3.0						
	8		8		80	8.0	5.0						
	9A		9		75	9.0	4.5						
	9				90	9.0	4.5						
	10A		10		50	-	-	-					
	10	50~300			100	10.0	5.0						
	12		12		130	12.0	*	-					
	14		14	±0.5	130	0.5	0.5	-					
	18		18		155	1.0	1.0	-					
LACU (EN 1.4301 Equiv.)	6	30~300	6	±0.6	65	6.0	3.0						
	8		8	±0.7	65	8.0	4.0						
	8A				100			-					
	9	50~300	9		75	8.5	6.0	-					
	10		10	±0.8	100	10.0	7.0	-					

* No r_2 for LACA12.

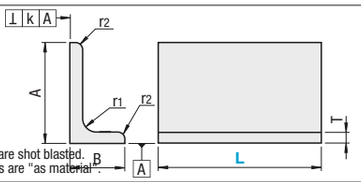
Part Number - L

LACA8 - 100

■With Inside Radius, Unequal Sides

RoHS

Type	Material
LAFS	EN 1.0038 Equiv.
LAFA	EN AW-6063 Equiv.



M EN 1.0038 Equiv. products are shot blasted. EN AW-6063 Equiv. surfaces are "as material".

T Tolerance

Part Number	Perpendicularity k	A	L
LAFS9	±2.0	±3.0	+1.0 0
LAFS9A			+2.0 0
LAFS12	±3.0		+3.0 0
LAFS15			
LAFA5	±2.0	±0.7	+1.0 0
LAFA6			
LAFA10			+2.0 0
LAFA12			

Part Number Type	No.	L 1mm Increment	T	T Dim. Tolerance	A	B	r_1	r_2	Unit Price L30~49	L50~99	L100~149	L150~199	L200~249	L250~300
LAFS (EN 1.0038 Equiv.)	9	30~300	9	±0.6	90	75	8.5	6						
	9A	50~300		±0.7	125	75	10	7	-					
	12		12	±0.8	125	75	10	7	-					
	15	100~300	15		150	100	12	8.5	-	-				
LAFA (EN AW-6063 Equiv.)	5	30~300	5	±0.27	75	50	5	2.5						
	6		6		90	60	9	4.5						
	10		10		75	50	-	-						
	12	50~300	12	±0.3	125	75	10	7	-					

Part Number - L

LAFS12 - 200

L-Shaped Aluminum Angles

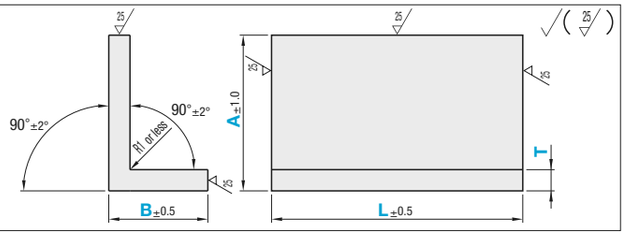
No Radius, Dimension Configurable

■L-Shaped Aluminum Angles - No Radius

RoHS

Type	Material
LRA	EN AW-6063 Equiv.

- The longest L extrusions have "as- saw-cut" ends.
- For LRA6, inside R=6 when either A or B is 61mm or longer. For LRA12, inside R=12 when either A or B is 101mm or longer.



Part Number		T	1mm Increment		
Type	T	Tolerance	A	B	L
LRA	3	±0.6	20~40	20~40	20~300
	5		20~50	20~50	
	6	±0.7	20~70	20~70	
	8		20~75	20~75	
	10	±0.8	20~95	20~95	
	12		50~125	50~125	50~300
	14		50~130	50~130	
	18		100~155	100~155	

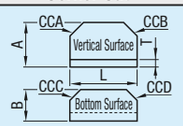
Ordering Example

Part Number	-	A	-	B	-	L
LRA10	-	A85	-	B60	-	L130

Part Number		A	B	Unit Price					
Type	T			L20~50	L51~100	L101~150	L151~200	L201~250	L251~300
LRA	3	20~30	20~40						
		31~40							
	5	20~30	20~30						
		31~50							
		20~30	31~50						
		31~50							
	6	20~30	20~30						
		31~50							
		51~70							
		20~30	31~50						
		31~50							
		51~70							
	8	20~30	20~30						
		31~50							
		51~75							
		20~30	31~50						
		31~50							
		51~75							
	10	20~30	20~30						
		31~50							
		51~75							
		20~30	31~50						
		31~50							
		51~75							
		76~95							
		20~30	51~75						
		31~50							
		51~75							
		76~95							
		20~30	76~95						
		31~50							
		51~75							
		76~95							
	12	50~75	50~75	-					
		76~100		-					
		101~125		-					
		50~75	76~100	-					
		76~100		-					
		101~125		-					
		50~75	101~125	-					
		76~100		-					
		101~125		-					
	14	50~75	50~75	-					
		76~100		-					
		101~130		-					
		50~75	76~100	-					
		76~100		-					
		101~130		-					
		50~75	101~130	-					
		76~100		-					
		101~130		-					
	18	100~125	100~125	-					
		126~155		-					
		100~125	126~155	-					
		126~155		-					

Alterations

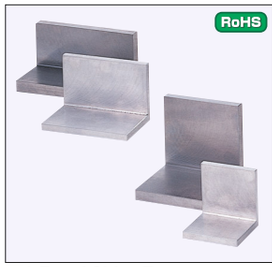
Part Number	-	A	-	B	-	L	-	(CCA···etc.)
LRA10	-	A85	-	B60	-	L130	-	CCA5, CCD5

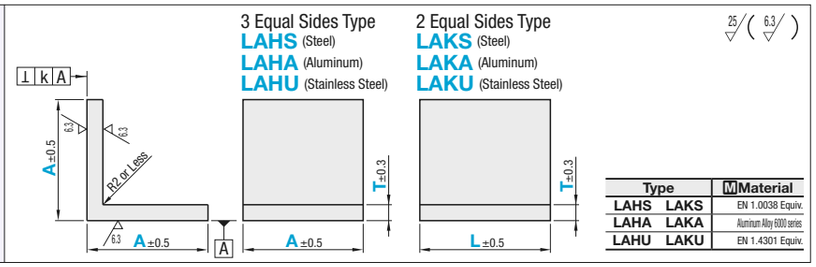
Alterations	Corner Cut
	
Code	CCA, CCB, CCC, CCD
Spec.	Any corner can be cut. 1≤ Corner Cut ≤30: 1mm Increment 1mm Increment / Unit Price: 1~ 3; 4~10; 11~20; 21~30 Ordering Code (Ex.) When A and D are cut with C5 →CCA5-CCD5

L-Shaped Angles

Milled Surfaces, Outside Corner Perpendicular, 2 or 3-Equal Sides

RoHS





Type		Material
LAHS	LAKS	EN 1.0038 Equiv.
LAHA	LAKA	Aluminum Alloy 6000 series
LAHU	LAKU	EN 1.4301 Equiv.

■3 Equal Sides Type

Part Number		T Selection	k Perpendicularity	LAHS Unit Price Qty. 1 ~ 14	LAHS Volume Discount Rate 15~	LAHA Unit Price Qty. 1 ~ 14	LAHA Volume Discount Rate 15~	LAHU Unit Price Qty. 1 ~ 14	LAHU Volume Discount Rate 15~
Type	A								
LAHS LAHA LAHU	25	5 6	0.05						
	30	5 6							
	50	5 6 *8 **10							
	75	5 6 *8 **10							
LAHS LAHA	100	10	0.1					-	-
LAHS	125	10				-	-	-	-

Those marked with * are applicable to LAHU only. Those marked with ** are applicable to LAHS and LAHA only.

Ordering Example

Part Number	-	T
LAHS50	-	10

■2 Equal Sides Type

Part Number		L Selection								T Selection				k Perpendicularity
Type	A													
LAKS LAKA LAKU	25	30	40	50	60	70	80	100	150	5	6			0.05
	30		40	50	60	70	80	100	150	5	6			
	40	30		50	60	70	80	100	150	5	6	*8	**10	
	50	30	40		60	70	80	100	150	5	6	*8	**10	
	60	30	40	50		70	80	100	150	5	6	*8	**10	
	75	30	40	50	60	70	80	100	150	5	6	*8	**10	
LAKS LAKA	100		40	50	60	70	80		150				10	0.1
LAKS	125			50	60	70	80	100	150				10	

Those marked with * are applicable to LAKU only. Those marked with ** are applicable to LAKS and LAKA only.

Ordering Example

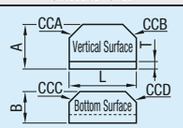
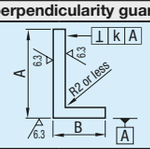
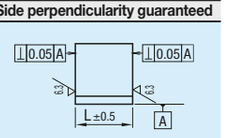
Part Number	-	L	-	T
LAKS50	-	80	-	5

Part Number		T Selection	Unit Price LAKS L30	L40	L50	L60	L70	L80	L100	L150	LAKA L30	L40	L50	L60	L70	L80	L100	L150
Type	A																	
LAKS LAKA	25	5 6																
	30	5 6	-								-							
	40	5 6		-								-						
		10		-								-						
	50	5 6			-								-					
		10			-								-					
	60	5 6				-								-				
		10				-								-				
	75	5 6																
		10																
	100	10	-						-		-						-	
LAKS	125	10	-	-							-	-	-	-	-	-	-	-

Part Number		T Selection	Unit Price LAKU L30	L40	L50	L60	L70	L80	L100	L150
Type	A									
LAKU	25	5 6								
	30	5 6	-							
	40	5 6		-						
		8		-						
	50	5 6			-					
		8			-					
	60	5 6				-				
		8				-				
	75	5 6								
		8								

Alterations

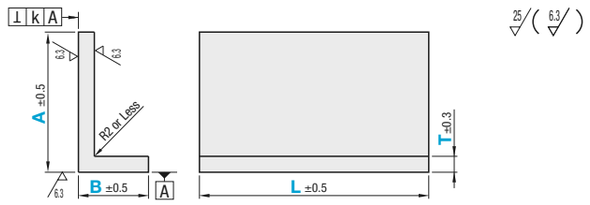
Part Number	-	L	-	T	-	(CKC, CCA, CCB···etc.)
LAKS50	-	60	-	10	-	CKC

Alterations	Corner Cut	Inner perpendicularity guaranteed	Side perpendicularity guaranteed
			
Code	CCA, CCB, CCC, CCD	FC	CKC
Spec.	Any corner can be cut. 1≤ Corner Cut ≤30: 1mm Increment Ordering Code (Ex.) When A and D are cut with C5→CCA5-CCD5 ⊗Not applicable to LAH□. 1mm Increment / Unit Price: 1~ 3; 4~10; 11~20; 21~30	Guaranteed inner vertical plane perpendicularity to the datum plane A. Ordering Code FC ⊗Not applicable to LAH□, LAKU. ⊗Express A is not available. Dimension A / Perpendicularity k / Unit Price L30~100 / Unit Price L150: 25~75 / 0.05 / 2 Additional Days / 2 Additional Days; 100 / 0.1; 125 / 0.15	Both sides of dimension L are machined to be perpendicular to surface A. Ordering Code CKC ⊗Not applicable to LAH□.

L-Shaped Angles

Milled Surfaces, Outside Corner Perpendicular, Unequal Sides

Type	Material
LASS	EN 1.0038 Equiv.
LASA	Aluminum Alloy 6000 series
LASU	EN 1.4301 Equiv.



Part Number Type	A	B	L Selection	T Selection	k Perpendicularity
LASS LASA LASU	30	25	25 30 40 50 60 70 80 90 100 150	5 6	0.05
	40	25	25 30 40 50 60 70 80 90 100 150	5 6 *8 **10	
		30	25 30 40 50 60 70 80 90 100 150	5 6 *8 **10	
	50	25	25 30 40 50 60 70 80 90 100 150	5 6 *8 **10	
		30	25 30 40 50 60 70 80 90 100 150	5 6 *8 **10	
		40	25 30 40 50 60 70 80 90 100 150	5 6 *8 **10	
	60	30	25 30 40 50 60 70 80 90 100 150	5 6 *8 **10	
		40	30 40 50 60 70 80 90 100 150	5 6 *8 **10	
		50	30 40 50 60 70 80 90 100 150	5 6 *8 **10	
	75	50	30 40 50 60 70 80 90 100 150	5 6 *8 **10	
LASS LASA	80	40	30 40 50 60 70 80 90 100 150	5 6 10	
	100	50	30 40 50 60 70 80 90 100 150	6 10	
		60	30 40 50 60 70 80 90 100 150	6 10	
LASS	125	60	30 40 50 60 70 80 90 100 150	10	0.1
	150	70	30 40 50 60 70 80 90 100 150	10	

Those marked with * are applicable to LASU only. Those marked with ** are applicable to LASS and LASA only.

Part Number - L - T

LASS8040 - 70 - 6

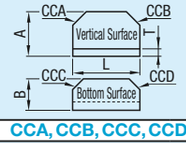
Part Number Type	A	B	T Selection	Unit Price LASS L25	L30	L40	L50	L60	L70	L80	L90	L100	L150	LASA L25	L30	L40	L50	L60	L70	L80	L90	L100	L150
LASS LASA	30	25	5 6																				
	40	25	5 6																				
			10																				
		30	5 6																				
			10																				
	50	25	5 6																				
			10																				
		30	5 6																				
			10																				
		40	5 6																				
			10																				
	60	30	5 6																				
			10																				
		40	5 6	-										-									
			10	-										-									
		50	5 6	-										-									
			10	-										-									
	75	50	5 6	-										-									
			10	-										-									
LASS LASA	80	40	5 6	-										-									
			10	-										-									
	100	50	6	-										-									
			10	-										-									
		60	6	-										-									
			10	-										-									
LASS	125	60	10	-										-	-	-	-	-	-	-	-	-	-
	150	70	10	-										-	-	-	-	-	-	-	-	-	-

Part Number Type	A	B	T Selection	Unit Price LASU L25	L30	L40	L50	L60	L70	L80	L90	L100	L150
LASU	30	25	5 6										
	40	25	5 6										
			8										
		30	5 6										
			8										
	50	25	5 6										
			8										
		30	5 6										
			8										
		40	5 6										
			8										
	60	30	5 6										
			8										
		40	5 6	-									
			8	-									
		50	5 6	-									
			8	-									
	75	50	5 6	-									
			8	-									

Alterations: Part Number - L - T - (CKC, CCA, CCB···etc.)

LASS8040 - 70 - 6 - CKC

Alterations: Corner Cut

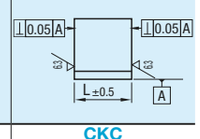


Code: CCA, CCB, CCC, CCD

Spec.: Any corner can be cut.
1≤ Corner Cut ≤30: 1mm Increment
Ordering Code (Ex.) When A and D are cut with C5→CCA5-CCD5

1mm Increment	Unit Price
1~ 3	
4~10	
11~20	
21~30	

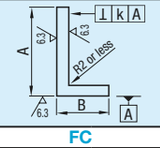
Alterations: Side perpendicularity guaranteed



Code: CKC

Spec.: Both sides of dimension L are machined to be perpendicular to surface A.
Ordering Code CKC

Alterations: Inner perpendicularity guaranteed



Code: FC

Spec.: Guaranteed inner vertical plane perpendicularity to the datum plane A.
Ordering Code FC

Dimension A	Perpendicularity k
30~75	0.05
80, 100	0.1
125	0.15
150	0.2

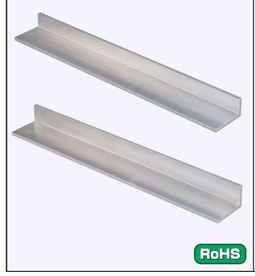
Price, Days to Ship

LASS, LASA		LASU	
L25~100	L150	L25~100	L150

Express A is not available.

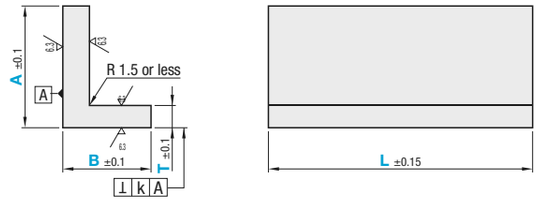
L-Shaped Angles

Milled Square Stock, Outside Corner Perpendicular, Fixed Dimension



Type	Material
LAJS	EN 1.0038 Equiv.
LAJC	EN 1.1206 Equiv.

Long sides of A and B dims.	Perpendicularity k
50~70	0.05 or Less
75~125	0.10 or Less



Part Number Type	T	A	B	L	Unit Price L20~50	L51~75	L76~100	L101~200	L201~400	L401~600	L601~800	L801~1000	L1001~1200
LAJS (EN 1.0038 Equiv.)	5	50	50	20~1200							-	-	-
		75	50								-	-	-
			70								-	-	-
	6	50	50								-	-	-
		75	50								-	-	-
			70								-	-	-
	10	50	50										
		75	70										
		100											
		125											
	12	50	50										
		75	70										
		100											
		125											
	15	50	50										
		75	70										
		100											
		125											

Part Number Type	T	A	B	L	Unit Price L20~50	L51~75	L76~100	L101~200	L201~400	L401~600	L601~800	L801~1000	L1001~1200
LAJC (EN 1.1206 Equiv.)	5	50	50	20~1200							-	-	-
		75	50								-	-	-
			70								-	-	-
	6	50	50								-	-	-
		75	50								-	-	-
			70								-	-	-
	10	50	50										
		75	70										
		100											
		125											
	12	50	50										
		75	70										
		100											
		125											
	15	50	50										
		75	70										
		100											
		125											

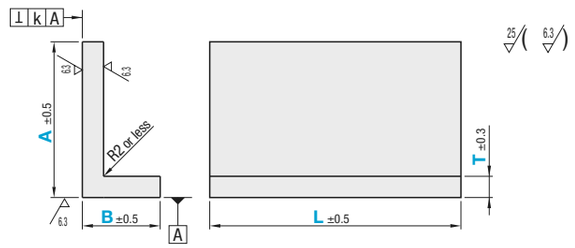
Ordering Example: Part Number - A - B - L

LAJS10 - A50 - B50 - L1000

L-Shaped Angles

Milled Surfaces, Outside Corner Perpendicular Rough, Dimension Configurable

Type	Material
LASR	EN 1.0038 Equiv.
LAAR	Aluminum Alloy 6000 series
LAUR	EN 1.4301 Equiv.



T Dimension	Long sides of A and B dims.	Perpendicularity k
5, 6	20~75	0.2
8	50~75	0.35
10	25~75	0.2
	76~100	0.3
	101~125	0.35

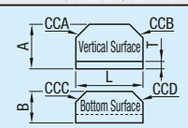
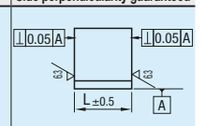
Part Number Type	T	A	B	L	Unit Price Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300
LASR (EN 1.0038 Equiv.)	5	25~50	25~50	25~300						
	6	51~75								
	10	25~50	30~50							
		51~75								
		76~100								
		51~75	51~75							
		76~100								
		101~125								
		76~100	76~100							
		101~125								
		101~125	101~125							

Part Number Type	T	A	B	L	Unit Price Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300
LAAR (Aluminum Alloy 6000 series)	5	20~50	20~50	25~300						
		51~75	51~75							
	6	30~50	30~50							
		51~75								
	10	50	30~50							
		51~75								
		76~100								
		51~75	51~75							
		76~100								
		76~100	76~100							

Part Number Type	T	A	B	L	Unit Price Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300
LAUR (EN 1.4301 Equiv.)	5	20~60	25~50	25~300						
	6	60~75	25~50							
			51~75							
	8	50	50							
		51~75	51~75							

Ordering Example: Part Number - A - B - L
LASR10 - A100 - B100 - L300

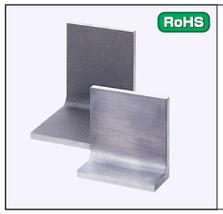
Alterations: Part Number - A - B - L - (CKC, CCA, CCB···etc.)
LASR10 - A100 - B50 - L200 - CKC

Alterations	Corner Cut	Side perpendicularity guaranteed
		
Code	CCA, CCB, CCC, CCD	CKC
Spec.	Any corner can be cut. 1≤ Corner Cut ≤30: 1mm Increment. Ordering Code (Ex.) When A and D are cut with C5→CCA5-CCD5	Both sides of dimension L are machined to be perpendicular to surface A. Ordering Code CKC

1mm Increment	Unit Price
1~ 3	
4~10	
11~20	
21~30	

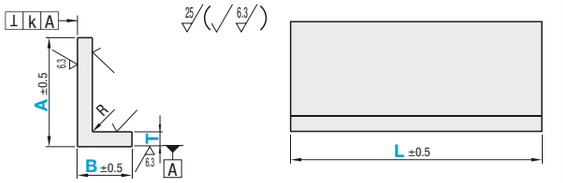
L-Shaped Angles

Milled, Inside Unmilled, Outside Corner Perpendicular, Dimension Configurable



Type	Material
LSS	EN 1.0038 Equiv.
LSA	EN AW-6063 Equiv.

√areas and EN 1.0038 Equiv. products are shot blasted.
EN AW-6063 Equiv. surfaces are "as extruded".



Part Number Type	T	T Tolerance	1mm Increment A	B	L
LSS	5	±0.5	25~75	25~75	25~300
	6				
	10	±1.0	25~125	25~125	
	12	±1.5	101~150	101~150	
	15		151~175	151~175	50~300
LSA	5	±0.5	25~75	25~75	25~300
	6				
	10	±1.0	25~125	25~125	
	12		101~125	101~125	51~300

Long sides of A and B dims.	Perpendicularity k
25~80	0.05 or Less
81~150	0.10 or Less
151~175	0.15 or Less

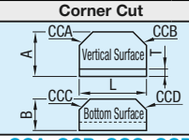
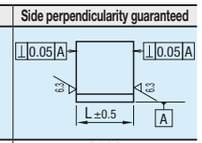
Long sides of A and B dims.	T	R LSS	R LSA
25~60	5	8.5~10	1 or Less
61~75			6~8
25~50	6		
51~75			8~9
25~60	10~12	10~14	12
61~150			
151~175	15	16~18	-

Part Number	A	B	Unit Price LSS5, LSS6 L25~50	L51~100	L101~150	L151~200	L201~250	L251~300	LSS10 L25~50	L51~100	L101~150	L151~200	L201~250	L251~300	LSS12 L25~50	L51~100	L101~150	L151~200	L201~250	L251~300	LSS15 L50~100	L101~150	L151~200	L201~250	L251~300
LSS5 LSS6 LSS10 LSS12 LSS15	25~50	25~50													-	-	-	-	-	-	-	-	-	-	-
	51~75														-	-	-	-	-	-	-	-	-	-	-
	76~100		-	-	-	-	-	-							-	-	-	-	-	-	-	-	-	-	-
	101~125		-	-	-	-	-	-							-	-	-	-	-	-	-	-	-	-	-
	25~50	51~75													-	-	-	-	-	-	-	-	-	-	-
	51~75														-	-	-	-	-	-	-	-	-	-	-
	76~100		-	-	-	-	-	-							-	-	-	-	-	-	-	-	-	-	-
	101~125		-	-	-	-	-	-							-	-	-	-	-	-	-	-	-	-	-
	25~50	76~100													-	-	-	-	-	-	-	-	-	-	-
	51~75														-	-	-	-	-	-	-	-	-	-	-
	76~100		-	-	-	-	-	-							-	-	-	-	-	-	-	-	-	-	-
	101~125		-	-	-	-	-	-							-	-	-	-	-	-	-	-	-	-	-
	25~50	101~125													-	-	-	-	-	-	-	-	-	-	-
	51~75														-	-	-	-	-	-	-	-	-	-	-
	76~100		-	-	-	-	-	-							-	-	-	-	-	-	-	-	-	-	-
	101~125		-	-	-	-	-	-													-	-	-	-	-
	126~150		-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-	-
	101~125	126~150	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-	-
	126~150		-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-	-
	151~175	151~175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Part Number	A	B	Unit Price LSA5, LSA6 L25~50	L51~100	L101~150	L151~200	L201~250	L251~300	LSA10 L25~50	L51~100	L101~150	L151~200	L201~250	L251~300	LSA12 L51~100	L101~150	L151~200	L201~250	L251~300
LSA5 LSA6 LSA10 LSA12	25~50	25~50													-	-	-	-	-
	51~75														-	-	-	-	-
	76~100		-	-	-	-	-	-							-	-	-	-	-
	25~50	51~75													-	-	-	-	-
	51~75														-	-	-	-	-
	76~100		-	-	-	-	-	-							-	-	-	-	-
	25~50	76~100	-	-	-	-	-	-							-	-	-	-	-
	51~75		-	-	-	-	-	-							-	-	-	-	-
	76~100		-	-	-	-	-	-							-	-	-	-	-
	101~125	101~125	-	-	-	-	-	-											

Ordering Example: Part Number - A - B - L
LSS5 - A25 - B25 - L100

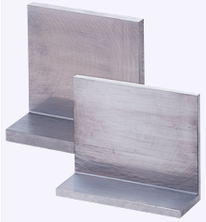
Alterations: Part Number - A - B - L - (CKC, CCA, CCB···etc.)
LSS10 - A100 - B50 - L200 - CKC

Alterations	Corner Cut	Side perpendicularity guaranteed
		
Code	CCA, CCB, CCC, CCD	CKC
Spec.	Any corner can be cut. 1≤ Corner Cut ≤30: 1mm Increment. Ordering Code (Ex.) When A and D are cut with C5→CCA5-CCD5	Both sides of dimension L are machined to be perpendicular to surface A. Ordering Code CKC

1mm Increment	Unit Price
1~ 3	
4~10	
11~20	
21~30	

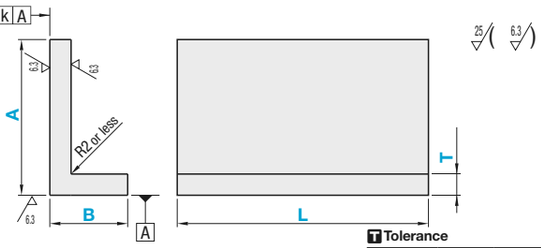
L-Shaped Angles

Milled Surfaces, Outside Corner Perpendicular, Dimension Configurable



RoHS

Type	Material
LAS	EN 1.0038 Equiv.
LASC	EN 1.1206 Equiv.
LAA	Aluminum Alloy 6000 series
LAU	EN 1.4301 Equiv.



T Tolerance

	T	A	B	L
L: Up to 300	±0.3	±0.5	±0.5	±0.5
L 301~	±0.5	±0.7	±0.7	±0.5

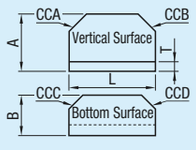
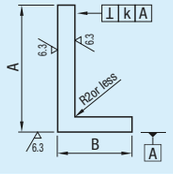
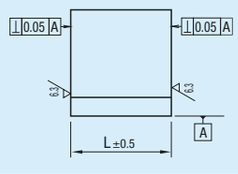
Part Number		1mm Increment		
Type	T	A	B	L
LAS	5	20~75	20~75	25~300
	6			
	10	25~125	25~125	25~500
	12	50~125	50~125	50~500
	15	50~150	50~150	
LASC	5	20~75	20~70	25~300
	6			
	10	25~125	25~70	25~500
	12	50~125	50~70	
	15			
LAA	5	20~75	20~75	25~300
	6			
	10	25~100	25~100	25~500
	12	50~125	50~125	
	15	100~150	100~150	
LAU	5	25~90	25~90	25~300
	6			
	8			
	10	50~100	50~100	25~300

T Dimension	Long sides of A and B dims.	Perpendicularity k			
		LAS, LASC, LAA			LAU
		L~300	L301~400	L401~500	L~300
5, 6	Min. ~ 75	0.05	-		0.05
8	25~75		-		0.1
10	Min. ~ 50	0.05	0.2	0.25	-
	51~80		0.25	0.35	0.15
	81~125	0.1	0.3	0.4	0.2
12, 15	Min. ~ 80	0.05	0.3	0.35	-
	81~125	0.1	0.35	0.4	
15	50~150	0.35	0.4	0.5	

Part Number - A - B - L
LAS5 - A25 - B25 - L100

Alterations

Part Number - A - B - L - (CKC, CCA, CCB···etc.)
LAS10 - A100 - B50 - L200 - CKC

Alterations	Corner Cut	Inner perpendicularity guaranteed	Side perpendicularity guarantee
			
Code	CCA, CCB, CCC, CCD	FC	CKC
Spec.	Any corner can be cut. 1 ≤ Corner Cut ≤ 30 Specify in 1mm increment. 1mm Increment / Unit Price: 1~3; 4~10; 11~20; 21~30 Ordering Code (Ex.) When A and D are cut with C5→CCA5-CCD5	Guaranteed inner vertical plane perpendicularity to the datum plane A. Dimension A / Perpendicularity k: 20~75 / 0.05; 76~100 / 0.1; 101~125 / 0.15; 126~150 / 0.2 Ordering Code FC Unit Price LAS, LAA: L25~100, L101~500; LASC: L25~500; LAU: L25~100, L101~200 ⊗Express A is not available.	Both sides of dimension L are machined to be perpendicular to surface A. Ordering Code CKC

■Classification by Dimension L: within range from the minimum to 300 (EN 1.0038 Equiv.)

Part Number	T	A	B	Unit Price: Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300
LAS (EN 1.0038 Equiv.)	5	20~50	20~50						
		51~75							
	6	20~50	51~75						
		51~75							
	10	25~50	25~50						
		51~75							
		76~100							
		101~125							
		25~50	51~75						
		51~75							
		76~100							
		101~125							
		25~50	76~100						
		51~75							
		76~100							
		101~125							
		25~50	101~125						
		51~75							
		76~100							
		101~125							
	12	50	50						
		51~75							
		76~100							
		101~125							
		50	51~75						
		51~75							
		76~100							
		101~125							
		50	76~100						
		51~75							
		76~100							
		101~125							
		50	101~125						
		51~75							
		76~100							
		101~125							
	15	50	50						
		51~75							
		76~100							
		101~125							
		50	51~75						
		51~75							
		76~100							
		101~125							
		50	76~100						
		51~75							
		76~100							
		101~125							
		126~150							
		50	101~125						
		51~75							
		76~100							
		101~125							
		126~150							
		51~75	126~150						
		76~100							
		101~125							
		126~150							

■Classification by Dimension L: within range from 301 to 500 (EN 1.0038 Equiv.)

Part Number	T	A	B	Unit Price: L301~325	L326~350	L351~375	L376~400	L401~425	L426~450	L451~475	L476~500
LAS (EN 1.0038 Equiv.)	10	51~75	51~75								
		76~100									
		51~75	76~100								
		76~100									
	12	51~75	51~75								
		76~100									
		101~125									
		51~75	76~100								
		76~100									
		101~125									
		51~75	101~125								
		76~100									
		101~125									
	15	101~125	76~100								
		126~150									
		50	101~125								
		101~125									
		126~150									
		51~75	126~150								
		76~100									
		101~125									
		126~150									

L-Shaped Angles Price List

Milled Surfaces, Outside Corner Perpendicular, Dimension Configurable: Prices

Part Number	T	A	B	Unit Price					
				Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300
LASC (EN 1.1206 Equiv.)	5	20~50	20~50						
			51~70						
		51~75	20~50						
			51~70						
	6	20~50	20~50						
			51~70						
		51~75	20~50						
			51~70						
	10	25~50	25~50						
			51~70						
		51~75	25~70						
		76~100	25~70						
		101~125	25~70						
	12	50	50						
			51~70						
		51~75	50						
		76~100	50						
		101~125	50						
	15	50	50						
			51~70						
		51~75	50						
		76~100	50						
		101~125	50						

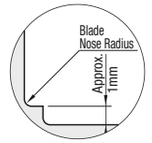
Part Number	T	A	B	Unit Price					
				Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300
LAA (EN AW-6063 Equiv.)	5	20~50	20~50						
		51~75							
	6	20~50	51~75						
		51~75							
	10	25~50	25~50						
		51~75							
		76~100							
		25~50	76~100						
		51~75							
		76~100							
	12	50~75	50~75						
		76~100							
		101~125							
		50~75	76~100						
		76~100							
		101~125							
		50~75	101~125						
		76~100							
		101~125							
	15	100~125	100~125						
		126~150							
		126~150	126~150						

Part Number	T	A	B	Unit Price					
				Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300
LAU (EN 1.4301 Equiv.)	5 6	25~50	25~50						
		51~75							
		76~90		-	-	-	-		
		25~50	51~75						
		51~75							
		76~90		-	-	-	-		
	8	25~50	76~90						
		51~75							
		76~90							
	10	25~50	25~50						
		51~75							
		76~90		-	-	-	-		
		25~50	51~75						
		51~75							
		76~90		-	-	-	-		
		25~50	76~90						
		51~75							
		76~90							
		50~75	50~75						
		76~100							
		50~75	76~100						
		76~100							

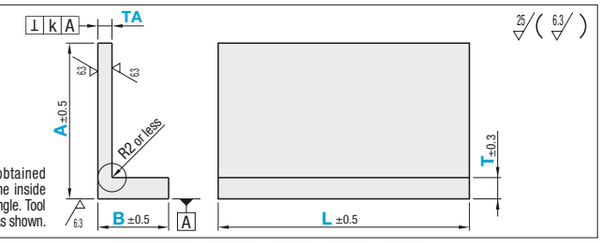
L-Shaped Angles

Milled Surfaces, Outside Corner Perpendicular, Plate Thickness Configurable

Type	Material
LAST	EN 1.0038 Equiv.
LACT	EN 1.1206 Equiv.
LAAT	Aluminum Alloy 6000 series



TA dimension is obtained by machining on the inside surfaces of the L-angle. Tool radius may remain as shown.



Part Number	0.5mm Increment	1mm Increment		
Type	T, TA	A	B	L
LAST	4.0~10.0	20~ 75	20~ 75	25~200
	10.5~15.0	20~150	20~150	25~300
LACT	4.0~10.0	20~100	20~ 70	25~200
	10.5~15.0	20~125	20~ 70	25~300
LAAT	4.0~10.0	20~ 75	20~ 75	25~200
	10.5~12.0	20~125	20~125	25~300
	12.5~15.0	76~150	76~150	50~300

Long sides of A and B dims.	Perpendicularity k
20~75	0.05 or Less
76~125	0.1 or Less
126~150	0.2 or Less

Part Number	-	TA	-	A	-	B	-	L
LAST10	-	8	-	A50	-	B55	-	L100

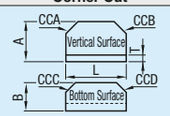
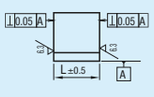
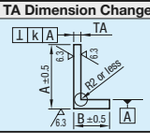
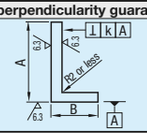
Part Number	A	B	Unit Price																	
			T, TA4~6				T, TA6.5~10				T, TA10.5~12						T, TA12.5~15					
			Min. L ~ 50	L51~100	L101~150	L151~200	Min. L ~ 50	L51~100	L101~150	L151~200	Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300	L50~100	L101~150	L151~200	L201~250	L251~300
LAST (EN 1.0038 Equiv.)	20~50	20~50																			
		51~75																			
		76~100																			
		101~125	-	-	-	-	-	-	-	-											
		126~150																			
	51~75	20~50																			
		51~75																			
		76~100																			
		101~125	-	-	-	-	-	-	-	-											
		126~150																			
	76~100	20~50																			
		51~75																			
		76~100																			
		101~125	-	-	-	-	-	-	-	-											
		126~150																			
	101~125	20~50																			
		51~75																			
		76~100																			
		101~125	-	-	-	-	-	-	-	-											
		126~150																			
	126~150	20~50																			
		51~75																			
		76~100																			
		101~125	-	-	-	-	-	-	-	-											
		126~150																			

Part Number	A	B	Unit Price																	
			T, TA4~6				T, TA6.5~10				T, TA10.5~12						T, TA12.5~15					
			Min. L ~ 50	L51~100	L101~150	L151~200	Min. L ~ 50	L51~100	L101~150	L151~200	Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300	L50~100	L101~150	L151~200	L201~250	L251~300
LACT (EN 1.1206 Equiv.)	20~50	20~50																			
		51~75																			
		76~100																			
		101~125	-	-	-	-	-	-	-	-											
	51~70	20~50																			
		51~75																			
		76~100																			
		101~125	-	-	-	-	-	-	-	-											

Part Number	A	B	Unit Price																	
			T, TA4~6				T, TA6.5~10				T, TA10.5~12						T, TA12.5~15					
			Min. L ~ 50	L51~100	L101~150	L151~200	Min. L ~ 50	L51~100	L101~150	L151~200	Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300	L50~100	L101~150	L151~200	L201~250	L251~300
LAAT (Aluminum Alloy 6000 series)	20~50	20~50																			
		51~75																			
		76~100																			
		101~125	-	-	-	-	-	-	-	-											
	51~75	20~50																			
		51~75																			
		76~100																			
		101~125	-	-	-	-	-	-	-	-											
	76~100	20~50																			
		51~75																			
		76~100																			
		101~125	-	-	-	-	-	-	-	-											
		126~150									-	-	-	-	-	-					
	101~125	20~50																			
		51~75																			
		76~100																			
		101~125	-	-	-	-	-	-	-	-											
		126~150									-	-	-	-	-	-					
	126~150	20~50																			
		51~75																			
		76~100																			
		101~125	-	-	-	-	-	-	-	-											
		126~150									-	-	-	-	-	-					

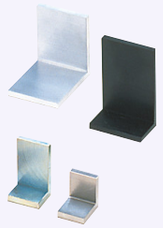
Alterations

Part Number	-	TA(TAC)	-	A	-	B	-	L	-	(CKC etc.)
LAST10	-	8	-	A50	-	B55	-	L100	-	CKC

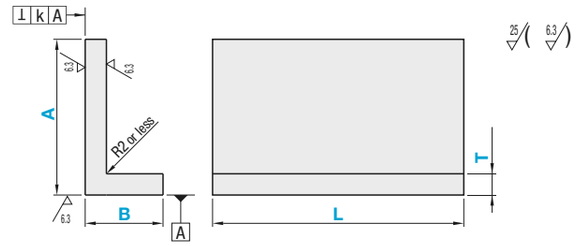
Alterations	Corner Cut	Side perpendicularity guaranteed	TA Dimension Change	Inner perpendicularity guaranteed
				
Code	CCA, CCB, CCC, CCD	CKC	TAC	FC
Spec.	Any corner can be cut. 1 ≤ Corner Cut ≤ 30 Specify in 1mm increment. Ordering Code (Ex.) When A and D are cut with C5→CCA5-CCD5	1mm Increment / Unit Price: 1~ 3, 4~ 10, 11~ 20, 21~ 30	Both sides of dimension L are machined to be perpendicular to surface A. Ordering Code CKC	Plate thickness TA can be changed within the following range. Type / 0.5mm Increment / Unit Price: LAST, LACT / LAAT / 9~15. Machining Limits T= 10.5 ~ 15. Ordering Code LAST11-TAC9-A120-B100-L150	Guaranteed inner vertical plane perpendicularity to the datum plane A. Ordering Code FC. Express A is not available. Unit Price: LAST, LAAT / LACT; L25~100 / L101~300 / L150

L-Shaped Surface Treated Angles

Milled Surfaces, Outside Corner Perpendicular, Dimension Configurable



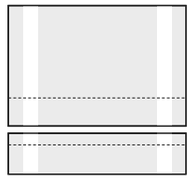
RoHS



T Tolerance

	T	A	B	L
L: Up to 300	±0.3	±0.5	±0.5	±0.5

Angles have no holes by default. Upon plating treatment, the SS materials and the aluminum materials are tied and are hung by steel and aluminum wires. Areas tied by wire may be discolored after treatment as shown below .



M Material	**S** Surface Treatment	Code
EN 1.0038 Equiv.	Black Oxide	BLAS
	Electroless Nickel Plating	MLAS
	Bright Chromate	YLAS
	Trivalent Chromate	SLAS
EN AW-6063 Equiv.	Clear Anodize	WLAA
	Black Anodize	ELAA

T Dimension	Long sides of A and B dims.	Perpendicularity k
5, 6	Min. ~75	0.05
10	Min. ~80	0.05
	81~125	0.1
12, 15	Min. ~80	0.05
	81~125	0.1
15	126~150	0.35

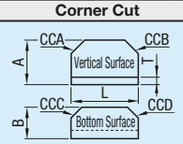
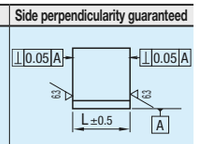
Part Number		1mm Increment		
Type	T	A	B	L
BLAS MLAS YLAS SLAS	5	20~75	20~75	25~300
	6			
	10	25~125	25~125	
	12	50~125	50~125	50~300
	15	50~150	50~150	
WLAA ELAA	5	20~75	20~75	25~300
	6			
	10	25~100	25~100	
	12	50~125	50~125	50~300

Ordering Example

Part Number	-	A	-	B	-	L
BLAS10	-	A75	-	B50	-	L100

Alterations

Part Number - A - B - L - (CKC, CCA, CCB···etc.)
BLAS10 - A120 - B120 - L150 - CKC

	Corner Cut	Side perpendicularity guaranteed
Alterations		
Code	CCA, CCB, CCC, CCD	CKC
Spec.	Any corner can be cut. 1≤ Corner Cut ≤30: 1mm Increment Ordering Code (Ex.) When A and D are cut with C5→CCA5-CCD5	Both sides of dimension L are machined to be perpendicular to surface A. Ordering Code CKC

1mm Increment	Unit Price
1~ 3	
4~10	
11~20	
21~30	

BLAS
(EN 1.0038 Equiv. Black Oxide)

Part Number	T	A	B	Unit Price: Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300
BLAS	5	20~50	20~50						
		51~75							
	6	20~50	51~75						
		51~75							
	10	25~50	25~50						
		51~75							
		76~100							
		101~125							
		25~50	51~75						
		51~75							
		76~100							
		101~125							
		25~50	76~100						
		51~75							
		76~100							
		101~125							
		25~50	101~125						
		51~75							
		76~100							
		101~125							
	12	50	50						
		51~75							
		76~100							
		101~125							
		50	51~75						
		51~75							
		76~100							
		101~125							
		50	76~100						
		51~75							
		76~100							
		101~125							
		50	101~125						
		51~75							
		76~100							
		101~125							
	15	50	50						
		51~75							
		76~100							
		101~125							
		50	51~75						
		51~75							
		76~100							
		101~125							
		50	76~100						
		51~75							
		76~100							
		101~125							
		126~150							
		50	101~125						
		51~75							
		76~100							
		101~125							
		126~150							
		51~75	126~150						
		76~100							
		101~125							
		126~150							

MLAS
(EN 1.0038 Equiv. Electroless Nickel Plating)

Part Number	T	A	B	Unit Price: Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300
MLAS	5	20~50	20~50						
		51~75							
	6	20~50	51~75						
		51~75							
	10	25~50	25~50						
		51~75							
		76~100							
		101~125							
		25~50	51~75						
		51~75							
		76~100							
		101~125							
		25~50	76~100						
		51~75							
		76~100							
		101~125							
		25~50	101~125						
		51~75							
		76~100							
		101~125							
	12	50	50						
		51~75							
		76~100							
		101~125							
		50	51~75						
		51~75							
		76~100							
		101~125							
		50	76~100						
		51~75							
		76~100							
		101~125							
		50	101~125						
		51~75							
		76~100							
		101~125							
	15	50	50						
		51~75							
		76~100							
		101~125							
		50	51~75						
		51~75							
		76~100							
		101~125							
		50	76~100						
		51~75							
		76~100							
		101~125							
		126~150							
		50	101~125						
		51~75							
		76~100							
		101~125							
		126~150							
		51~75	126~150						
		76~100							
		101~125							
		126~150							

YLAS
(EN 1.0038 Equiv. Bright Chromate)

SLAS
(EN 1.0038 Equiv. Trivalent Chromate)

Part Number	T	A	B	Unit Price: Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300
YLAS SLAS	5	20~50	20~50						
		51~75							
	6	20~50	51~75						
		51~75							
	10	25~50	25~50						
		51~75							
		76~100							
		101~125							
		25~50	51~75						
		51~75							
		76~100							
		101~125							
		25~50	76~100						
		51~75							
		76~100							
		101~125							
		25~50	101~125						
		51~75							
		76~100							
		101~125							
	12	50	50						
		51~75							
		76~100							
		101~125							
		50	51~75						
		51~75							
		76~100							
		101~125							
		50	76~100						
		51~75							
		76~100							
		101~125							
		50	101~125						
		51~75							
		76~100							
		101~125							
	15	50	50						
		51~75							
		76~100							
		101~125							
		50	51~75						
		51~75							
		76~100							
		101~125							
		50	76~100						
		51~75							
		76~100							
		101~125							
		126~150							
		50	101~125						
		51~75							
		76~100							
		101~125							
		126~150							
		51~75	126~150						
		76~100							
		101~125							
		126~150							

WLAA
(EN AW-6063 Equiv. Clear Anodize)

Part Number	T	A	B	Unit Price: Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300
WLAA	5	20~50	20~50						
		51~75							
	6	20~50	51~75						
		51~75							
	10	25~50	25~50						
		51~75							
		76~100							
		25~50	51~75						
		51~75							
		76~100							
		25~50	76~100						
		51~75							
		76~100							
	12	50~75	50~75						
		76~100							
		101~125							
		50~75	76~100						
		76~100							
		101~125							
		50~75	101~125						
		76~100							
		101~125							

ELAA
(EN AW-6063 Equiv. Black Anodize)

Part Number	T	A	B	Unit Price: Min. L ~ 50	L51~100	L101~150	L151~200	L201~250	L251~300
ELAA	5	20~50	20~50						
		51~75							
	6	20~50	51~75						
		51~75							
	10	25~50	25~50						
		51~75							
		76~100							
		25~50	51~75						
		51~75							
		76~100							
		25~50	76~100						
		51~75							
		76~100							
	12	50~75	50~75						
		76~100							
		101~125							
		50~75	76~100						
		76~100							
		101~125							
		50~75	101~125						
		76~100							
		101~125							

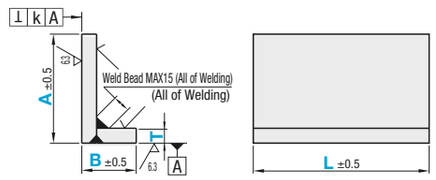
L-Shaped Welded Angles

Dimension Configurable

RoHS

Type	Material
LSAW	EN AW-5052 Equiv.
LSUW	EN 1.4301 Equiv.

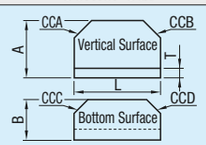
T	T Tolerance
10, 12	±1.0
15	±1.5



Part Number	A	B	Unit Price									
			LSAW10			LSAW12			LSAW15			
			L50~100	L101~150	L151~200	L50~100	L101~150	L151~200	L50~100	L101~150	L151~200	L201~250	L251~300
LSAW10 LSAW12 LSAW15	101~125	101~125											
	126~150												
	151~175		-	-	-	-	-	-					
	176~200		-	-	-	-	-	-					
	101~125	126~150											
	126~150												
	151~175		-	-	-	-	-	-					
	176~200		-	-	-	-	-	-					
	101~125	151~175	-	-	-	-	-	-					
	126~150		-	-	-	-	-	-					
	151~175		-	-	-	-	-	-					
	176~200		-	-	-	-	-	-					
	101~125	176~200	-	-	-	-	-	-					
	126~150		-	-	-	-	-	-					
	151~175		-	-	-	-	-	-					
	176~200		-	-	-	-	-	-					

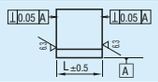
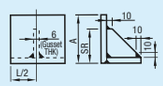
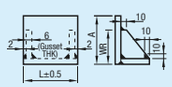
Part Number	A	B	Unit Price								
			LSUW10			LSUW12			LSUW15		
			L50~100	L101~150	L151~200	L50~100	L101~150	L151~200	L50~100	L101~150	L151~200
LSUW10 LSUW12 LSUW15	76~100	76~100							-	-	-
	101~125								-	-	-
	126~150								-	-	-
	76~100	101~125							-	-	-
	101~125										
	126~150										
	151~175		-	-	-	-	-	-			
	176~200		-	-	-	-	-	-			
	76~100	126~150							-	-	-
	101~125										
	126~150										
	151~175		-	-	-	-	-	-			
	176~200		-	-	-	-	-	-			
	101~125	151~175	-	-	-	-	-	-			
	126~150		-	-	-	-	-	-			
	151~175		-	-	-	-	-	-			
	176~200		-	-	-	-	-	-			
	101~125	176~200	-	-	-	-	-	-			
	126~150		-	-	-	-	-	-			
	151~175		-	-	-	-	-	-			
	176~200		-	-	-	-	-	-			

Long sides of A and B dims.	Perpendicularity k
76~150	0.10 or Less
151~200	0.15 or Less

Alterations	Corner Cut
	
Code	CCA, CCB, CCC, CCD
Spec.	Any corner can be cut. 1 ≤ Corner Cut ≤ 30 Specify in 1mm increment. 1mm Increment / Unit Price: 1~ 3; 4~10; 11~20; 21~30 Ordering Code (Ex.) When A and D are cut with C5→CCA5-CCD5

Ordering Example: Part Number - A - B - L
LSAW10 - A120 - B120 - L150

Alterations: Part Number - A - B - L - (CKC, SR, WR···etc.)
LSAW10 - A120 - B120 - L150 - WR60

Alterations	Code	Spec.
	CKC	Both sides of dimension L are machined to be perpendicular to surface A. Ordering Code CKC
	SR	Gusset (t6mm) is welded at the center of dimension L. SR≥A/2 Ordering Code SR80 (Gusset Height = 80mm from Bottom Surface)
	WR	Two gussets (t6mm) are welded 2mm inside from both ends of dimension L. WR≥A/2 Ordering Code WR70 (Gusset Height = 70mm from Bottom Surface)

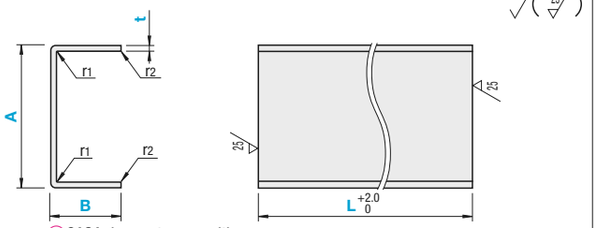
Ordering Example: Part Number - A - B - L
LSAW10 - A120 - B120 - L150

Lightweight Structural Steel (C-Shaped) / Metal Boxes / Box Stays

C-Shaped Structural Steel

RoHS

Type	Material
CASS	EN 1.0038 Equiv.
CASU	EN 1.4301 Equiv.
CASA	EN AW-6063 Equiv.

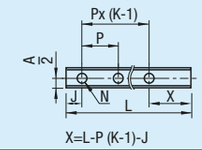


CASA does not come with r1 or r2.

Part Number Type	t	A-B	L 1mm Increment	T Tolerance	A	Tolerance	B	Tolerance	(r1)	(r2)	Unit Price L30~100	L101~200	L201~400	L401~600	L601~800	L801~1000
CASS	2.3	4020	30~1000	±0.25	40	±1.5	20	±1.5	4	2						
		8040			80		40		8	2						
CASU	3	4020		±0.4	40	±1.5	20	±1.5	4	2						
	5	8040			80	±2.0	40		4.5	3						
CASA	1.5	1515		±0.23	15	±0.35	15	±0.35	-	-						
	2	2525		±0.23	25	±0.38	25	±0.38	-	-						
	2.5	2020		±0.23	20	±0.38	20	±0.38	-	-						
		5025			50	±0.54	25									
	3	4020		±0.23	40	±0.54	20	±0.38	-	-						
		6030			60	±0.92	30	±0.45								
	4	8040		±0.27	80	±0.92	40	±0.54	-	-						
	5	7550			75		50									

Ordering Example: Part Number - A-B - L
CASA2 - 2525 - 400

Alterations: Part Number - A-B - L - (NC)
CASA2 - 2525 - 400 - NC3 - J10 - P80 - K3

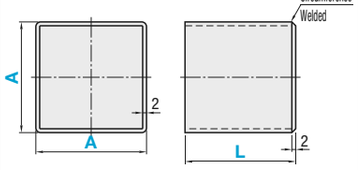
Alteration	Code	Spec.
Hole Machining  X=L-P (K-1)-J	NC	NC: Applicable Bolt Size J: 1mm Increment P: Pitch in 1mm Increment ⍰0≤P K: Number of Holes ⍰1≤K≤10 ⍰6≤J ⍰6≤X Ordering Code NC3-J10-P80-K3

NC	Applicable Bolt	N
3	M3	Ø3.5
4	M4	Ø4.5
5	M5	Ø5.5

Metal Boxes

RoHS

KBXS



M Material: EN 1.4301 Equiv.

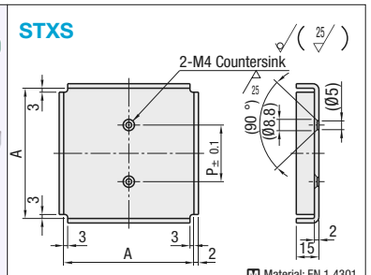
Part Number Type	A	L	Unit Price
KBXS	50	50	
		75	
	75	75	
		100	
	100	100	
		150	

Ordering Example: Part Number - L
KBXS75 - 100
STXS100

Box Stays

RoHS

STXS

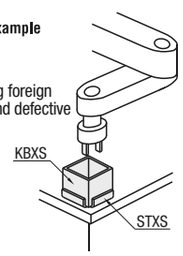


M Material: EN 1.4301 Equiv.

Part Number Type	Nominal	A	P	Unit Price
STXS	50	51	25	
	75	76	35	
	100	101	45	

Example

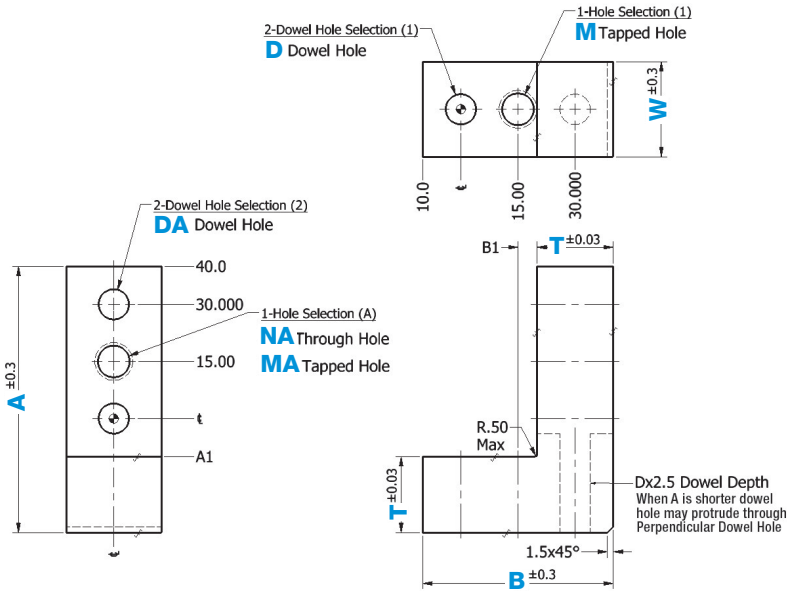
For rejecting foreign materials and defective parts



CONFIGURABLE AND STANDARD L-BLOCKS

L Blocks

3X3 HOLES



3D CAD is available online.

Type	Material	Coating
ALB/ALBFC	A-36 Steel	Black Oxide
ALB/SALBFC	304 Stainless Steel	-

Tolerance					
Dim.	Tol.	Finish (Ra)	Geometric		
0.0	± 0.3	6.0 µm	▱	Surfaces	0.015 T.I.R.
0.00	± 0.03	3.0 µm	⊥		
0.000	± 0.02	1.6 µm	//		

Standard NAAMS (25 mm Series L-T block with Metric Holes)

Type	Hole Selection (A) / Material				Hole Selection (2)		Hole Selection (1)			A	W	B	T	A1	B1
	MA10		NA11		DA Dowel Hole (2)		M Tapped Hole (1)	D Dowel Hole (1)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	050M	051M	060M	061M	8 H6	+0/+0.009	M10	8 F7	+0.013/+0.028	70	25	50	20	10	5

MA10/M10 (M10x1.5 Tapped Hole), NA11 (Ø11 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (25 mm Series L Blocks with Inch Holes)

Type	Hole Selection (A) / Material				Hole Selection (2)		Hole Selection (1)			A	W	B	T	A1	B1
	MA3/8''		NA13/32''		DA Dowel Hole (2)		M Tapped Hole (1)	D Dowel Hole (1)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	050	051	060	061	5/16''	+0/-0.0005	3/8''-16	5/16''	+0/-0.0005	70	25	50	20	10	5

MA3/8'' (3/8''-16 Tapped Hole), NA13/32'' (Ø13/32'' Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (20 mm Series L Blocks with Metric Holes)

Type	Hole Selection (A) / Material				Hole Selection (2)		Hole Selection (1)			A	W	B	T	A1	B1
	MA8		NA9		DA Dowel Hole (2)		M Tapped Hole (1)	D Dowel Hole (1)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	560M	561M	562M	563M	8 H6	+0/+0.009	M8	8 F7	+0.013/+0.028	70	20	50	20	10	5

MA8/M8 (M8x1.25 Tapped Hole), NA9 (Ø9 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Configurable NAAMS (L Blocks)

Type	W Width	T Thickness (1 mm inc.)	A Length (1 mm inc.)	B Length (1 mm inc.)	Hole Selection (1)			Hole Selection (2)			A1	B1
					M Hole Selection (1)	D Dowel Hole (1)	Tolerance	NA/MA Hole Selection (A)	DA Dowel Hole (2)	Tolerance		
ALBFC SALBFC	20 25	14 ~ 20 (B1=5) 10 ~ 20 (B1≥20)	65 - 120	50 - 120 B1=5 or B1≥20	M8 M10	D6 F7 D8 F7	+0.010/+0.022 +0.013/+0.028	NA9 NA11 MA8 MA10	DA6 H6 DA8 H6	+0/+0.008 +0/+0.009	A-40-T	B-25-T B1=5 or B1≥20

Condition: B1=5 or B1≥20, NA- Through Hole, M/MA- Tapped Hole (Coarse Thread), D/DA- Dowel Hole,
NA9 for M8 Screw, NA11 for M10 Screw, MA8/M8 (M8x1.25 Tapped Hole), MA10/M10 (M10x1.5 Tapped Hole)

P/N Example (Standard NAAMS):

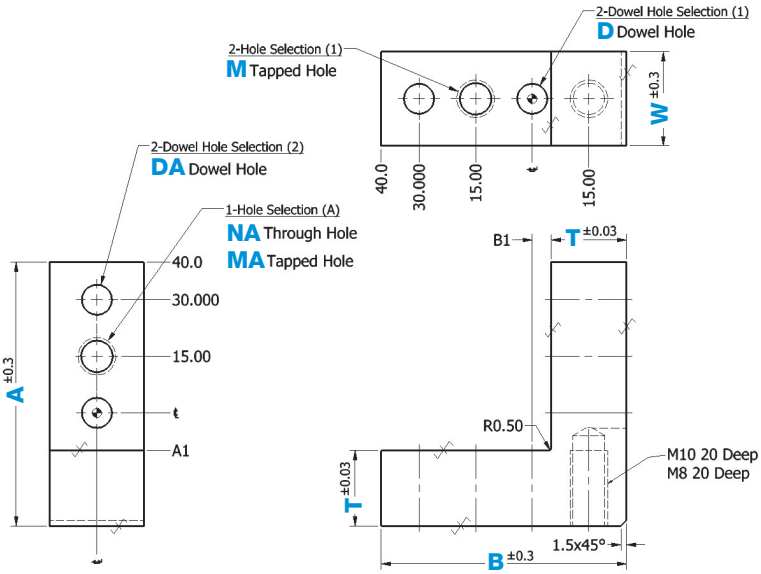
Part Number	
Type	Specifications
ALB	060M
ALB	061
ALB	560M

P/N Example (Configurable NAAMS):

Part Number															
Type	Width	–	Thickness	–	A Length	–	B Length	–	Hole (M)	–	Dowel (D)	–	Hole (MA/NA)	–	Dowel (DA)
ALBFC	25	–	T10	–	A90	–	B65	–	M8	–	D8	–	NA9	–	DA6
SALBFC	20	–	T19	–	A110	–	B110	–	M10	–	D6	–	MA8	–	DA8

L Blocks

4X3 HOLES



3D CAD is available online.

Type	Material	Coating
ALB /ALBFA	A-36 Steel	Black Oxide
ALB/ SALBFA	304 Stainless Steel	-

Tolerance					
Dim.	Tol.	Finish (Ra)	Geometric		
0.0	± 0.3	6.0 µm	▱	Surfaces	0.015 T.I.R.
0.00	± 0.03	3.0 µm	⊥		
0.000	± 0.02	1.6 µm	//		

Standard NAAMS (25 mm Series L Blocks with Metric Holes)

Type	Hole Selection (A) / Material				Hole Selection (2)		Hole Selection (1)			A	W	B	T	A1	B1
	MA10		NA11		DA Dowel Hole (2)		M Tapped Hole (1)	D Dowel Hole (1)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	020M	021M	022M	023M	8 H6	+0/+0.009	M10	8 H6	+0/+0.009	70	25	65	20	10	5

MA10/M10 (M10x1.5 Tapped Hole), NA11 (Ø11 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (25 mm Series L Blocks with Inch Holes)

Type	Hole Selection (A) / Material				Hole Selection (2)		Hole Selection (1)			A	W	B	T	A1	B1
	MA3/8''		NA13/32''		DA Dowel Hole (2)		M Tapped Hole (1)	D Dowel Hole (1)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	020	021	022	023	5/16''	+0/-0.0005	3/8''-16	5/16''	+0/-0.0005	70	25	65	20	10	5

MA3/8'' (3/8''-16 Tapped Hole), NA13/32'' (Ø13/32'' Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (20 mm Series L Blocks with Metric Holes)

Type	Hole Selection (A) / Material				Hole Selection (2)		Hole Selection (1)			A	W	B	T	A1	B1
	MA8		NA9		DA Dowel Hole (2)		M Tapped Hole (1)	D Dowel Hole (1)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	320M	321M	322M	323M	6 H6	+0/+0.008	M8	6 F7	+0.010/+0.022	70	20	65	20	10	5
	540M	541M	542M	543M	8 H6	+0/+0.009		8 F7	+0.013/+0.028						

MA8/M8 (M8x1.25 Tapped Hole), NA9 (Ø9 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Configurable NAAMS (L Blocks)

Type	W Width	T Thickness (1 mm inc.)	A Length (1 mm inc.)	B Length (1 mm inc.)	Hole Selection (1)			Hole Selection (A)/(2)			A1	B1
					M Hole Selection (1)	D Dowel Hole (1)	Tolerance	MA/NA Hole Selection (A)	DA Dowel Hole (2)	Tolerance		
ALBFA SALBFA	20 25	14 ~ 20 (B1=5) 10 ~ 20 (B1≥20)	65 - 120	65 - 120 B1=5 or B1≥20	M8 M10	D6 F7 D8 F7	+0.010/+0.022 +0.013/+0.028	NA9 NA11 MA8 MA10	DA6 H6 DA8 H6	+0/+0.008 +0/+0.009	A-40-T	B-40-T B1=5 or B1≥20

Condition: B1=5 or B1≥20, NA- Through Hole, M/MA- Tapped Hole (Coarse Thread), D/DA- Dowel Hole, NA9 for M8 Screw, NA11 for M10 Screw, MA8/M8 (M8x1.25 Tapped Hole), MA10/M10 (M10x1.5 Tapped Hole)

P/N Example (Standard NAAMS):

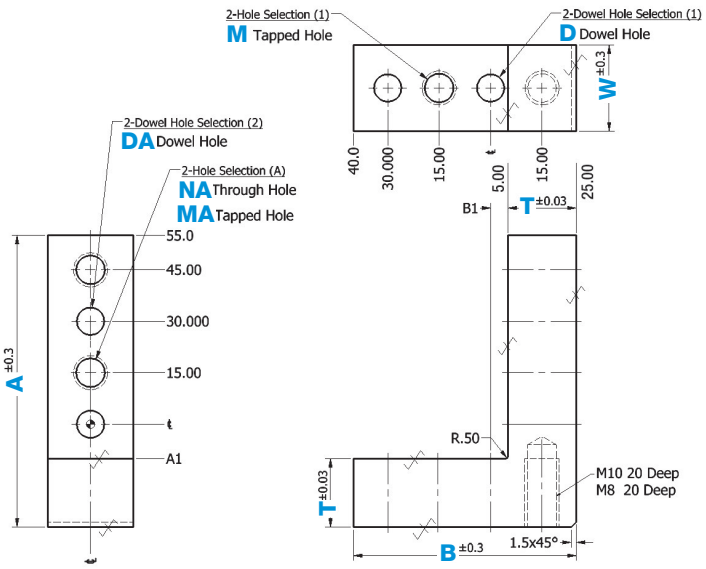
Part Number	
Type	Specifications
ALB	020M
ALB	022
ALB	543M

P/N Example (Configurable NAAMS):

Part Number															
Type	Width	–	Thickness	–	A Length	–	B Length	–	Hole (M)	–	Dowel (D)	–	Hole (MA/NA)	–	Dowel (DA)
ALBFA	25	–	T10	–	A90	–	B65	–	M8	–	D8	–	NA9	–	DA6
SALBFA	20	–	T19	–	A110	–	B110	–	M10	–	D6	–	MA8	–	DA8

L Blocks

4X4 HOLES



3D CAD is available online.

Type	Material	Coating
ALB /ALBFB	A-36 Steel	Black Oxide
ALB/ SALBFB	304 Stainless Steel	-

Tolerance					
Dim.	Tol.	Finish (Ra)	Geometric		
0.0	± 0.3	6.0 µm	▱	Surfaces	0.015 T.I.R.
0.00	± 0.03	3.0 µm	⊥		
0.000	± 0.02	1.6 µm	//		

Standard NAAMS (25 mm Series L Blocks with Metric Holes)

Type	Hole Selection (A) / Material				Hole Selection (2)		Hole Selection (1)			A	W	B	T	A1	B1
	MA10		NA11		DA Dowel Hole (2)		M Tapped Hole (1)	D Dowel Hole (1)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	080M	081M	070M	071M	8 H6	+0/+0.009	M10	8 H6	+0/+0.009	85	25	65	20	10	5

MA10/M10 (M10x1.5 Tapped Hole), NA11 (Ø11 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (25 mm Series L Blocks with Inch Holes)

Type	Hole Selection (A) / Material				Hole Selection (2)		Hole Selection (1)			A	W	B	T	A1	B1
	MA3/8''		NA13/32''		DA Dowel Hole (2)		M Tapped Hole (1)	D Dowel Hole (1)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	080	081	070	071	5/16''	+0/-0.0005	3/8''-16	5/16''	+0/-0.0005	85	25	65	20	10	5

MA3/8'' (3/8''-16 Tapped Hole), NA13/32'' (Ø13/32'' Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (20 mm Series L Blocks with Metric Holes)

Type	Hole Selection (A) / Material				Hole Selection (2)		Hole Selection (1)			A	W	B	T	A1	B1
	MA8		NA9		DA Dowel Hole (2)		M Tapped Hole (1)	D Dowel Hole (1)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	380M	381M	370M	371M	6 H6	+0/+0.008	M8	6 H6	+0/+0.008	85	20	65	20	10	5
	510M	511M	512M	513M	8 H6	+0/+0.009		8 F7	+0.013 /+0.028						

MA8/M8 (M8x1.25 Tapped Hole), NA9 (Ø9 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Configurable NAAMS (L Blocks)

Type	W Width	T Thickness (1 mm inc.)	A Length (1 mm inc.)	B Length (1 mm inc.)	Hole Selection (1)			Hole Selection (A)/(2)			A1	B1
					M Hole Selection (1)	D Dowel Hole (1)	Tolerance	MA/NA Hole Selection (A)	DA Dowel Hole (2)	Tolerance		
ALBFB SALBFB	20 25	14 ~ 20 (B1=5) 10 ~ 20 (B1≥20)	80 - 120	65 - 120 B1=5 or B1≥20	M8 M10	D6 F7 D8 F7	+0.010/+0.022 +0.013/+0.028	NA9 NA11 MA8 MA10	DA6 H6 DA8 H6	+0/+0.008 +0/+0.009	A-55-T	B-40-T B1=5 or B1≥20

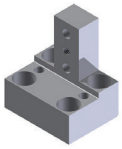
Condition: B1=5 or B1≥20, NA- Through Hole, M/MA- Tapped Hole (Coarse Thread), D/DA- Dowel Hole, NA9 for M8 Screw, NA11 for M10 Screw, MA8/M8 (M8x1.25 Tapped Hole), MA10/M10 (M10x1.5 Tapped Hole)

P/N Example (Standard NAAMS):

Part Number	
Type	Specifications
ALB	080M
ALB	081
ALB	512M

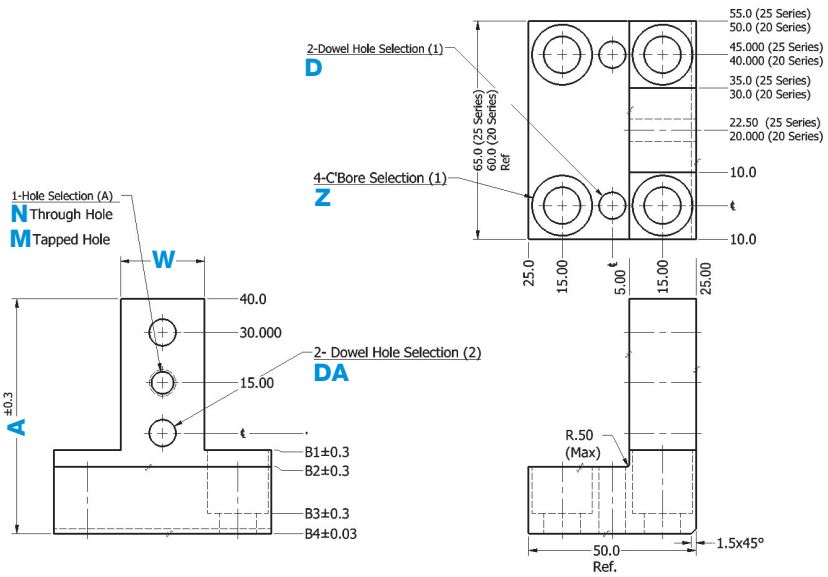
P/N Example (Configurable NAAMS):

Part Number															
Type	Width	–	Thickness	–	A Length	–	B Length	–	Hole (M)	–	Dowel (D)	–	Hole (MA/NA)	–	Dowel (DA)
ALBFB	25	–	T10	–	A90	–	B65	–	M8	–	D8	–	NA11	–	DA6
SALBFB	20	–	T19	–	A110	–	B110	–	M10	–	D6	–	MA10	–	DA8



L-T Blocks

T-SHAPE 3 HOLES



3D CAD is available online.

Type	Material	Coating
ALB /ALBTFA	A-36 Steel	Black Oxide
ALB/ SALBTFA	304 Stainless Steel	-

Tolerance					
Dim.	Tol.	Finish (Ra)	Geometric		
0.0	± 0.3	6.0 µm	▱	Surfaces	0.015 T.I.R.
0.00	± 0.03	3.0 µm	⊥		
0.000	± 0.02	1.6 µm	//		

Standard NAAMS (25 mm Series L-T block with Metric Holes)

Type	Hole Selection (A) / Material				Hole Selection (1)			Hole Selection (2)		A	W	B1	B2	B3	B4
	M10		N11		D Dowel Hole (1)		Z C'Bore (1)	DA Dowel Hole (2)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	130M	131M	132M	133M	8 F7	+0.013 ~ +0.028	For M10 SHCS	8 H6	+0/+0.009	70	25	5	10	24	30

M10 (M10x1.5 Tapped Hole), N11 (Ø11 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (25 mm Series L-T block with Inch Holes)

Type	Hole Selection (A) / Material				Hole Selection (1)			Hole Selection (2)		A	W	B1	B2	B3	B4
	M3/8''		N13/32''		D Dowel Hole (1)		Z C'Bore (1)	DA Dowel Hole (2)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	130	131	132	133	5/16''	0/-0.0005	For 3/8-16 SHCS	5/16''	0/-0.0005	70	25	5	10	24	30

M3/8'' (3/8''-16 Tapped Hole), N13/32'' (Ø13/32'' Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (20 mm Series L-T block with Metric Holes)

Type	Hole Selection (A) / Material				Hole Selection (1)			Hole Selection (2)		A	W	B1	B2	B3	B4
	M8		N9		D Dowel Hole (1)		Z C'Bore (1)	DA Dowel Hole (2)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	430M	431M	432M	433M	6 F7	+0.010/+0.022	For M8 SHCS	6 H6	0/+0.008	70	20	5	10	23	30
	580M	581M	582M	583M	8 F7	+0.013/+0.028	For M8 SHCS	8 H6	0/+0.009						

M8 (M8x1.25 Tapped Hole), N9 (Ø9 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Configurable NAAMS (L-T Blocks)

Type	W Width	A Length (1 mm inc.)	M/N Mounting Hole Selection (A)	Hole Selection (1)		Hole Selection (2)		Z C'Bore Hole (1)	B1	B2	B3	B4
				D Dowel Hole (1)		DA Dowel Hole (2)						
					Tolerance		Tolerance					
ALBTFA SALBTFA	20 (Series)	70 - 120	N9, M8	D6 F7 D8 F7	+0.010/+0.022 +0.013/+0.028	DA6 H6 DA8 H6	0/+0.008 0/+0.009	For M8 SHCS	A-40-25	A-40-20	A-40-7	A-40
	25 (Series)	70 - 120	N11, M10	D8 F7	+0.013/+0.028	DA8 H6	0/+0.009	For M10 SHCS	A-40-25	A-40-20	A-40-6	A-40

N- Through Hole, M- Tapped Hole (Coarse Thread), D/DA- Dowel Hole, N9 for M8 Screw, N11 for M10 Screw, M8 (M8x1.25 Tapped Hole), M10 (M10x1.5 Tapped Hole)

P/N Example (Standard NAAMS):

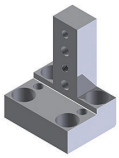
Part Number	
Type	Specifications
ALB	130M
ALB	130
ALB	580M

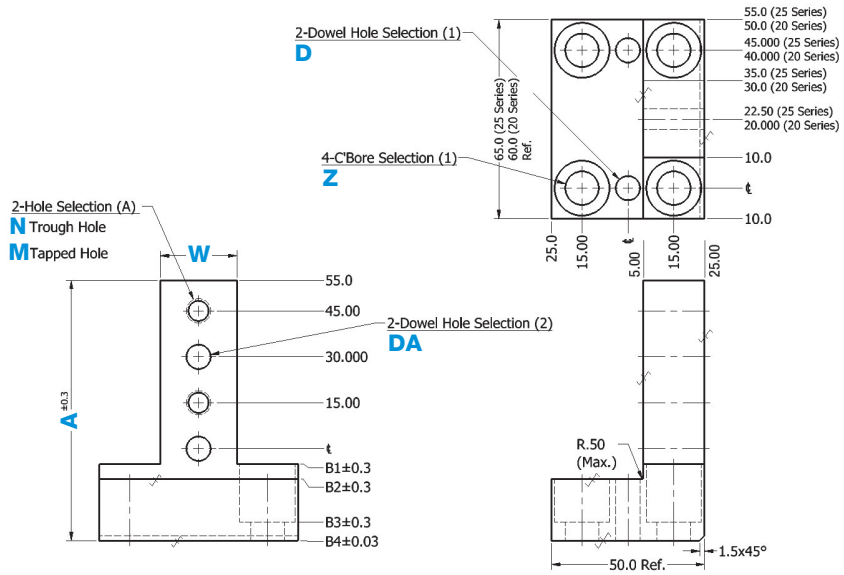
P/N Example (Configurable NAAMS):

Part Number									
Type	Width	–	A Length	–	Mount Hole (M)	–	Dowel (D)	–	Dowel (DA)
ALBTFA	25	–	A70	–	M10	–	D8	–	DA8
SALBTFA	20	–	A111	–	N9	–	D6	–	DA6

L-T Blocks

T-SHAPE 4 HOLES





3D CAD is available online.

Type	Material	Coating
ALB /ALBTFB	A-36 Steel	Black Oxide
ALB/ SALBTFB	304 Stainless Steel	-

Tolerance					
Dim.	Tol.	Finish (Ra)	Geometric		
0.0	± 0.3	6.0 µm	▱	Surfaces	0.015 T.I.R.
0.00	± 0.03	3.0 µm	⊥		
0.000	± 0.02	1.6 µm	//		

Standard NAAMS (25 mm Series L-T block with Metric Holes)

Type	Hole Selection (A) / Material				Hole Selection (1)			Hole Selection (2)		A	W	B1	B2	B3	B4
	M10		N11		D Dowel Hole (1)		Z C'Bore (1)	DA Dowel Hole (2)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	150M	151M	140M	141M	8 F7	+0.013/+0.028	For M10 SHCS	8 H6	+0/+0.009	85	25	5	10	24	30

M10 (M10x1.5 Tapped Hole), N11 (Ø11 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (25 mm Series L-T block with Inch Holes)

Type	Hole Selection (A) / Material				Hole Selection (1)			Hole Selection (2)		A	W	B1	B2	B3	B4
	M3/8''		N13/32''		D Dowel Hole (1)		Z C'Bore (1)	DA Dowel Hole (2)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	150	151	140	141	5/16''	0/-0.0005	For 3/8''-16 SHCS	5/16''	0/-0.0005	85	25	5	10	24	30

M3/8'' (3/8''-16 Tapped Hole), N13/32'' (Ø13/32'' Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (20 mm Series L-T block with Metric Holes)

Type	Hole Selection (A) / Material				Hole Selection (1)			Hole Selection (2)		A	W	B1	B2	B3	B4
	M8		N9		D Dowel Hole (1)		Z C'Bore (1)	DA Dowel Hole (2)							
	A-36	304	A-36	304		Tolerance			Tolerance						
ALB	330M	331M	340M	341M	6 F7	+0.010/+0.022	For M8 SHCS	6 H6	0/+0.008	85	20	5	10	23	30
	551M	552M	553M	554M	8 F7	+0.013/+0.028	For M8 SHCS	8 H6	0/+0.009						

M8 (M8x1.25 Tapped Hole), N9 (Ø9 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Configurable NAAMS (L-T Blocks)

Type	W Width	A Length (1 mm inc.)	M/N Mounting Hole Selection (A)	Hole Selection (1)		Hole Selection (2)		Z C'Bore Hole (1)	B1	B2	B3	B4
				D Dowel Hole (1)		DA Dowel Hole (2)						
					Tolerance		Tolerance					
ALBTFB SALBTFB	20 (Series)	85 - 120	N9, M8	D6 F7 D8 F7	+0.010/+0.022 +0.013/+0.028	DA6 H6 DA8 H6	0/+0.008 0/+0.009	For M8 SHCS	A-55-25	A-55-20	A-55-7	A-55
	25 (Series)	85 - 120	N11, M10	D8 F7	+0.013/+0.028	DA8 H6	0/+0.009	For M10 SHCS	A-55-25	A-55-20	A-55-6	A-55

N- Through Hole, M- Tapped Hole (Coarse Thread), D/DA- Dowel Hole, N9 for M8 Screw, N11 for M10 Screw, M8 (M8x1.25 Tapped Hole), M10 (M10x1.5 Tapped Hole)

P/N Example (Standard NAAMS):

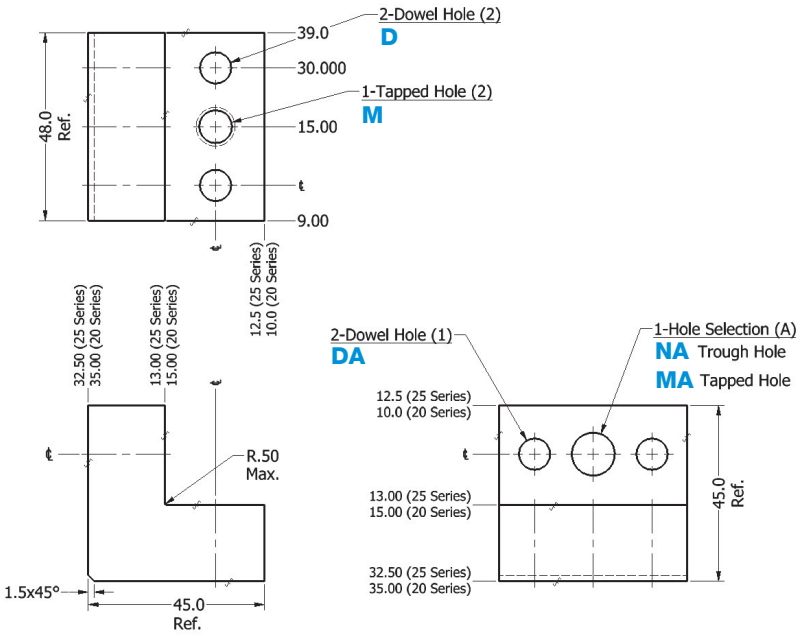
Part Number	
Type	Specifications
ALB	140M
ALB	151
ALB	553M

P/N Example (Configurable NAAMS):

Part Number									
Type	Width	–	A Length	–	Mount Hole (A)	–	Dowel (D)	–	Dowel (DA)
ALBTFB	25	–	A85	–	N11	–	D8	–	DA8
SALBTFB	20	–	A111	–	N9	–	D6	–	DA8

L Wide Blocks

3 HOLES



3D CAD is available online.

Type	Material	Coating
ALB	A-36 Steel	Black Oxide
	304 Stainless Steel	-

Tolerance					
Dim.	Tol.	Finish (Ra)	Geometric		
0.0	± 0.3	6.0 µm	▱	Surfaces	0.015 T.I.R.
0.00	± 0.03	3.0 µm	⊥		
0.000	± 0.02	1.6 µm	//		

Standard NAAMS (25 mm Series L Wide Blocks with Metric Holes)

Type	Hole Selection (A) / Material				Hole Selection (1)		Hole Selection (2)		
	MA10		NA11		DA Dowel Hole (1)		M Tapped Hole (2)	D Dowel Hole (2)	
	A-36	304	A-36	304		Tolerance			Tolerance
ALB	100M	101M	102M	103M	8 F7	+0.013/+0.028	M10 x 1.5	8 F7	+0.013/+0.028

MA10 (M10x1.5 Tapped Hole), NA11 (Ø11 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (25 mm Series L Wide Blocks with Inch Holes)

Type	Hole Selection (A) / Material				Hole Selection (1)		Hole Selection (2)		
	MA3/8''		NA13/32''		DA Dowel Hole (1)		M Tapped Hole (2)	D Dowel Hole (2)	
	A-36	304	A-36	304		Tolerance			Tolerance
ALB	100	101	102	103	5/16''	+0.0005/+0.0010	3/8''-16	5/16''	+0.0005/+0.0010

MA3/8'' (3/8''-16 Tapped Hole), NA13/32'' (Ø13/32'' Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (20 mm Series L Wide Blocks with Metric Holes)

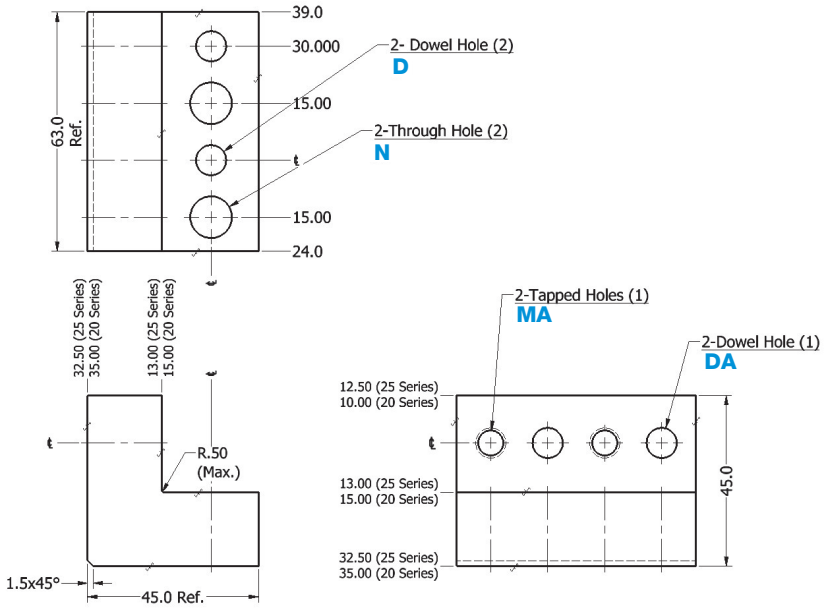
Type	Hole Selection (A) / Material				Hole Selection (1)		Hole Selection (2)		
	MA8		NA9		DA Dowel Hole (1)		M Tapped Hole (2)	D Dowel Hole (2)	
	A-36	304	A-36	304		Tolerance			Tolerance
ALB	570M	571M	572M	573M	8 H6	0/+0.009	M8 x 1.25	8 F7	+0.013/+0.028

MA8 (M8x1.25 Tapped Hole), NA9 (Ø9 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

P/N Example (Standard NAAMS):	
Part Number	
Type	Specifications
ALB	100M
ALB	102
ALB	571M

L Wide Blocks

4 HOLES STANDARD



3D CAD is available online.

Type	Material	Coating
ALB	A-36 Steel	Black Oxide
	304 Stainless Steel	-

Tolerance					
Dim.	Tol.	Finish (Ra)	Geometric		
0.0	± 0.3	6.0 µm	▱	Surfaces	0.015 T.I.R.
0.00	± 0.03	3.0 µm	⊥		
0.000	± 0.02	1.6 µm	//		

Standard NAAMS (25 mm Series L Wide Blocks with Metric Holes)

Type	Hole Selection (2) / Material		Hole Selection (2)		Hole Selection (1)		
	N11 / Material		D Dowel Hole (2)		MA Tapped Hole (1)	DA Dowel Hole (1)	
	A-36	304		Tolerance			Tolerance
ALB	115M	116M	8 F7	+0.013/+0.028	M10x1.5	8 F7	+0.013/+0.028

N11 (Ø11 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (25 mm Series L Wide Blocks with Inch Holes)

Type	Hole Selection (2) / Material		Hole Selection (2)		Hole Selection (1)		
	N13/32" / Material		D Dowel Hole (2)		MA Tapped Hole (1)	DA Dowel Hole (1)	
	A-36	304		Tolerance			Tolerance
ALB	115	116	5/16"	+0.0005/+0.0010	3/8"-16	5/16"	+0.0005/+0.0010

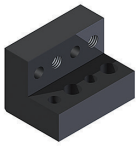
N13/32" (Ø13/32" Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (20 mm Series L Wide Blocks with Metric Holes)

Type	Hole Selection (2) / Material		Hole Selection (2)		Hole Selection (1)		
	N9 / Material		D Dowel Hole (2)		MA Tapped Hole (1)	DA Dowel Hole (1)	
	A-36	304		Tolerance			Tolerance
ALB	415M	416M	6 H6	0/+0.008	M8x1.25	6 H6	0/+0.008
	531M	532M	8 H6	0/+0.009	M8x1.25	8 H6	0/+0.009

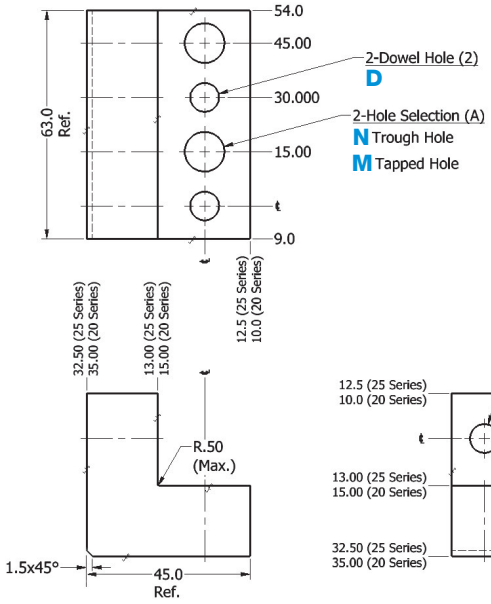
N9 (Ø9 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

P/N Example (Standard NAAMS):	
Part Number	
Type	Specifications
ALB	115M
ALB	116
ALB	532M



L Wide Blocks

4 HOLES OPPOSITE



3D CAD is available online.

Type	Material	Coating
ALB	A-36 Steel	Black Oxide
	304 Stainless Steel	-

Tolerance					
Dim.	Tol.	Finish (Ra)	Geometric		
0.0	± 0.3	6.0 µm	▱	Surfaces	0.015 T.I.R.
0.00	± 0.03	3.0 µm	⊥		
0.000	± 0.02	1.6 µm	//		

Standard NAAMS (25 mm Series L Wide Blocks with Metric Holes)

Type	Hole Selection (A) / Material				Hole Selection (2)		Hole Selection (1)		
	M10		N11		D Dowel Hole (2)		MA Tapped Hole (1)	DA Dowel Hole (1)	
	A-36	304	A-36	304		Tolerance			Tolerance
ALB	110M	111M	112M	113M	8 F7	+0.013/+0.028	M10 x 1.5	8 F7	+0.013/+0.028

M10 (M10x1.5 Tapped Hole), N11 (Ø11 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

Standard NAAMS (25 mm Series L Wide Blocks with Inch Holes)

Type	Hole Selection (A) / Material				Hole Selection (2)		Hole Selection (1)		
	M3/8''		N13/32''		D Dowel Hole (2)		MA Tapped Hole (1)	DA Dowel Hole (1)	
	A-36	304	A-36	304		Tolerance			Tolerance
ALB	110	111	112	113	5/16''	+0.0005/+0.0010	3/8''-16	5/16''	+0.0005/+0.0010

M3/8'' (3/8''-16 Tapped Hole), N13/32'' (Ø13/32'' Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

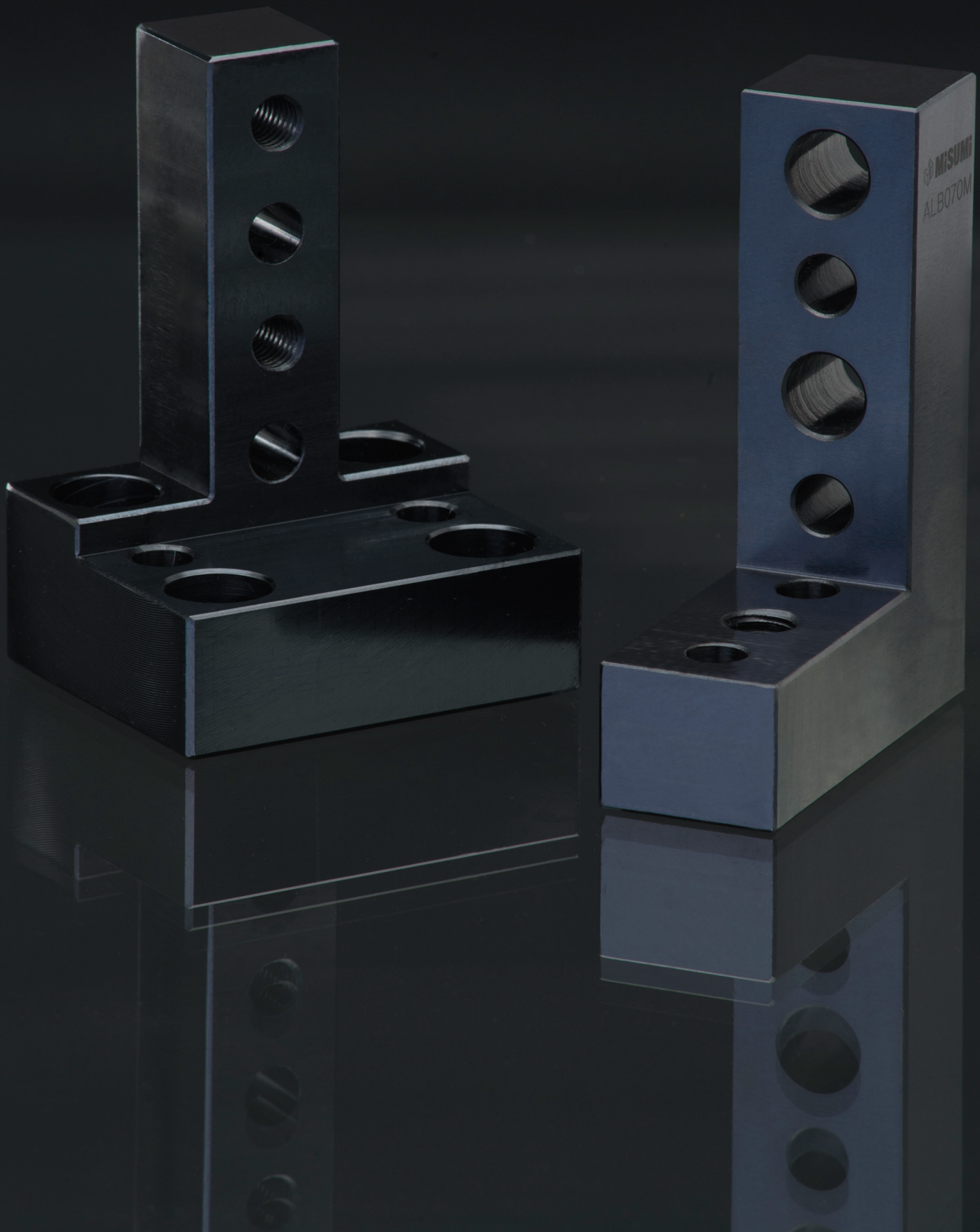
Standard NAAMS (20 mm Series L Wide Blocks with Metric Holes)

Type	Hole Selection (A) / Material				Hole Selection (2)		Hole Selection (1)		
	M8		N9		D Dowel Hole (2)		MA Tapped Hole (1)	DA Dowel Hole (1)	
	A-36	304	A-36	304		Tolerance			Tolerance
ALB	410M	411M	412M	413M	6 H6	0/+0.008	M8 x 1.25	6 H6	0/+0.008
	521M	522M	523M	524M	8 H6	0/+0.009	M8 x 1.25	8 H6	0/+0.009

M8 (M8x1.25 Tapped Hole), N9 (Ø9 Through Hole). Standard NAAMS specifications are controlled by the NAAMS organization and the latest version of these products will be produced in compliance to: www.naamsstandards.org.

P/N Example (Standard NAAMS):

Part Number	
Type	Specifications
ALB	110M
ALB	112
ALB	524M


MISUMI
ALB070M