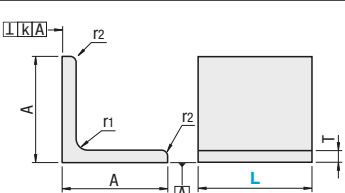


L-Shaped Angles

With Inside Radius, 2-Equal Sides / Unequal Sides



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.

✓

■ 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			
LACU	6, 8, 8A, 9, 10	±3.0	±0.8	+2.00

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".

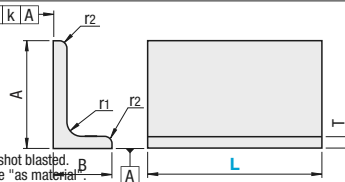
Part Number		L 1mm Increment	T	T Dim. Tolerance	A	r ₁	r ₂	Unit Price					
Type	No.							L30-49	L50-99	L100-149	L150-199	L200-249	L250-300
LACS (EN 1.0038 Equiv.)	3	30-300	3	±0.5	30	3.0	1.5						
	5		5		30	5.0	2.5						
	6		6		50	6.0	3.0						
	8		8	±0.7	65		4.0						
	9		9		75	9.0	4.5						
	9A		90										
	9B	100-300	13	±0.8	130			-	-				
	13		90		13.0	6.5							
	15		130				-	-					
	15A		150		15.0	7.5	-	-					
	15B		175				-	-					
	LACA (EN AW-6063 Equiv.)	3	30-300	3	±0.25	20	-	-					
3A		30				-	-						
3B		40				-	-						
3C		4		50		-	-						
4				30		-	-						
4A				40		-	-						
4B		5		50		-	-						
5				30		-	-						
5A				40		-	-						
5B		6		50		-	-						
5C				60		-	-						
6				40		-	-						
6A		50-300	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		50-300	10	50	-	-	-						
10				100	10.0	5.0							
12	130			12.0	*	-							
14	130			0.5	0.5	-							
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.													

* No r_2 for LACA12.

Part Number	-	L
LACA8	-	100



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



■ Tolerance

Part Number	Perpendicularity k	A	L
LAFS9	±2.0	±3.0	+1.00
LAFS9A			+2.00
LAFS12	±3.0		+3.00
LAFS15			+1.00
LAFA5	±2.0	±0.7	+2.00
LAFA6			+1.00
LAFA10			+2.00
LAFA12			+2.00

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

Part Number		L 1mm Increment	T	T Dim. Tolerance	A	B	r ₁	r ₂	Unit Price					
Type	No.								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	100~300		±0.8	125	75	10	7	-					
	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		12		125	75	10	7	-					

Part Number	-	L
LAFS12	-	200

L-Shaped Aluminum Angles

No Radius, Dimension Configurable

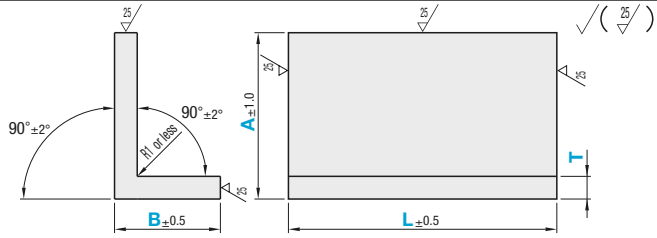
L-Shaped Aluminum Angles - No Radius



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		20~70	20~70	
	8	±0.7	20~75	20~75	
	10		20~95	20~95	50~300
	12	±0.8	50~125	50~125	
	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
LRA	3	20~30	20~40					
		31~40						
		20~30						
	5	31~50	20~30					
		20~30						
		31~50	31~50					
	6	20~30	20~30					
		31~50						
		51~70	20~30					
		20~30						
		31~50	31~50					
		51~70						
		20~30						
		31~50	51~70					
	8	20~30						
		31~50	20~30					
		51~75						
		20~30						
		31~50	31~50					
		51~75						
		20~30						
		31~50	51~75					
	10	20~30						
		31~50	20~30					
		51~75						
		20~30						
		31~50	31~50					
		51~75						
		76~95						
		20~30						
	12	31~50	20~30					
		51~75						
		20~30						
		31~50	31~50					
		51~75						
		76~95						
		20~30						
		31~50	51~75					
	14	50~75		-				
		76~100	50~75	-				
		101~125		-				
		50~75		-				
		76~100	76~100	-				
		101~125		-				
		50~75		-				
		76~100	50~75	-				
	18	100~125		-				
		126~155	100~125	-				
		100~125		-				
		126~155	126~155	-				
		100~125		-				
		126~155		-				
		100~125		-				
		126~155		-				



Alterations



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

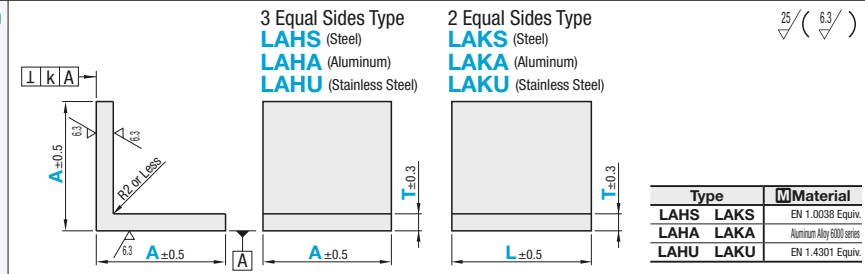
Alterations	Corner Cut	
Code	CCA, CCB, CCC, CCD	
Spec.	Any corner can be cut. 1≤ Corner Cut ≤30: 1mm Increment	
	1mm Increment	Unit Price
	1~3	
	4~10	
	11~20	
	21~30	
Spec.	[Ordering Code] (Ex.) When A and D are cut with C5→CCA5-CCD5	
	[Ordering Code] (Ex.) When A and D are cut with C5→CCA5-CCD5	

L-Shaped Angles

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



RoHS



3 Equal Sides Type

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

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

2 Equal Sides Type

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

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

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

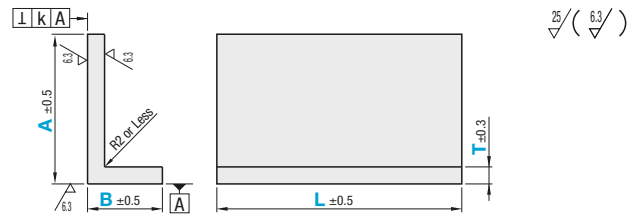
Alterations Part Number - L - T - (CKC, CCA, CCB---etc.)
LAHS50 - 60 - 10 - CKC

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	Guaranteed inner vertical plane perpendicularity to the datum plane A.	Both sides of dimension L are machined to be perpendicular to surface A.
	[Ordering Code] (Ex.) When A and D are cut with C5→CCA5-CCD5	[Ordering Code] FC Not applicable to LAH□, LAHU□. Express A is not available.	[Ordering Code] CKC Not applicable to LAH□.

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

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

[illegible][illegible]

	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	<table><thead><tr><th>1mm Increment</th><th>Unit Price</th></tr></thead><tbody><tr><td>1~ 3</td><td></td></tr><tr><td>4~ 10</td><td></td></tr><tr><td>11~ 20</td><td></td></tr><tr><td>21~ 30</td><td></td></tr></tbody></table>	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
1mm Increment	Unit Price												
1~ 3													
4~ 10													
11~ 20													
21~ 30													



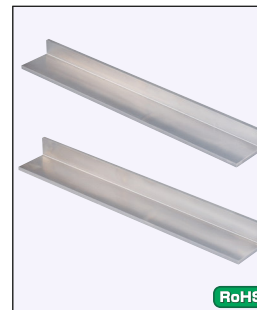
Part Number	-	L	-	T
LASS8040	-	70	-	6



Alterations  Part Number - L - T - (CKC, CCA, CCB...etc.)
LASS8040 - 70 - 6 - CKC

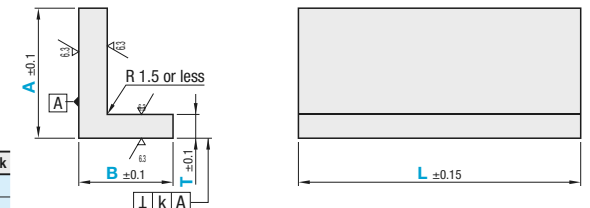
Alterations	Inner perpendicularity guaranteed	
-------------	--	--

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

[illegible]

Part Number		A	B	L	Unit Price								
Type	T				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**

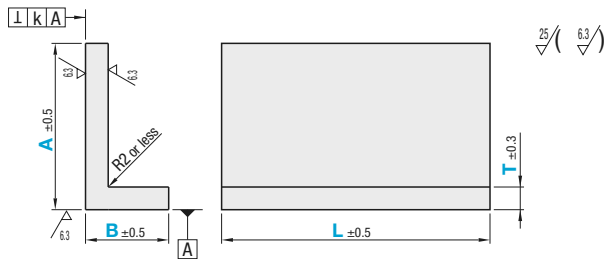
L-Shaped Angles

Milled Surfaces, Outside Corner Perpendicular Rough, Dimension Configurable



RoHS

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		A	B	L	Unit Price					
Type	T				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						
		51~75								
	10	25~50	30~50							
		51~75								
		76~100								
		51~75								
		76~100	51~75							
		101~125								
		76~100								
		101~125								
		101~125	76~100							
		101~125								

Part Number		A	B	L	Unit Price					
Type	T				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	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								

Part Number		A	B	L	Unit Price					
Type	T				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

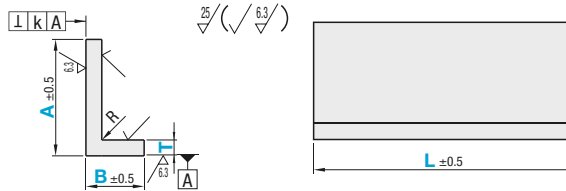
Milled, Inside Unmilled, Outside Corner Perpendicular, Dimension Configurable



RoHS

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

Long sides of A and B dims.	Perpendicularity k	Long sides of A and B dims.	T	R	
				LSS	LSA
25-80	0.05 or Less	25-60	5	8.5-10	1 or Less
81-150	0.10 or Less	61-75			6-8
151-175	0.15 or Less	25-50	6		8-9
		51-75			
		25-60			
		61-150	10-12	10-14	12
		151-175	15	16-18	-

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

Part Number	A	B	Unit Price																
			LSA5, LSA6						LSA10					LSA12					
			L25-50	L51-100	L101-150	L151-200	L201-250	L251-300	L25-50	L51-100	L101-150	L151-200	L201-250	L251-300	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		-	-	-	-	-	-							-	-	-	-	-
	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

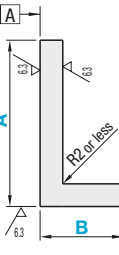
Alterations	Corner Cut		Side perpendicularity guaranteed	
	Code CCA, CCB, CCC, CCD		CKC	
Spec.	Any corner can be cut. 1≤ Corner Cut ≤30: 1mm Increment [Ordering Code] (Ex.) When A and D are cut with C5→CCA5-CCD5		Both sides of dimension L are machined to be perpendicular to surface A. [Ordering Code] CKC	
	1mm Increment Unit Price			
	1~ 3			
	4~10			
	11~20			
	21~30			

L-Shaped Angles

Milled Surfaces, Outside Corner Perpendicular, Dimension Configurable



Type	Material	1 k A
LAS	EN 1.0038 Equiv.	
LASC	EN 1.1206 Equiv.	
LAA	Aluminum Alloy 6061 series	
LAU	EN 1.4301 Equiv.	



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	
LASC	5	20~75	20~70	25~300
	6			
	10	25~125	25~70	
	12	50~125	50~70	25~500
LAA	5	20~75	20~75	25~300
	6			
	10	25~100	25~100	
	12	50~125	50~125	25~500
LAU	5	20~75	20~75	25~300
	6			
	10	25~90	25~90	25~300
	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.	Guaranteed inner vertical plane perpendicularity to the datum plane A.	Both sides of dimension L are machined to be perpendicular to surface A.																												
	<table border="1"><thead><tr><th>1mm Increment</th><th>Unit Price</th></tr></thead><tbody><tr><td>1~3</td><td></td></tr><tr><td>4~10</td><td></td></tr><tr><td>11~20</td><td></td></tr><tr><td>21~30</td><td></td></tr></tbody></table> 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		<table border="1"><thead><tr><th>Dimension A</th><th>Perpendicularity k</th></tr></thead><tbody><tr><td>20~75</td><td>0.05</td></tr><tr><td>76~100</td><td>0.1</td></tr><tr><td>101~125</td><td>0.15</td></tr><tr><td>126~150</td><td>0.2</td></tr></tbody></table> Ordering Code FC Unit Price <table border="1"><thead><tr><th>LAS, LAA</th><th>LASC</th><th>LAU</th></tr></thead><tbody><tr><td>L25~100</td><td>L101~500</td><td>L25~100</td></tr><tr><td>L101~500</td><td>L25~500</td><td>L101~200</td></tr></tbody></table> Express A is not available.	Dimension A	Perpendicularity k	20~75	0.05	76~100	0.1	101~125	0.15	126~150	0.2	LAS, LAA	LASC	LAU	L25~100	L101~500	L25~100	L101~500	L25~500	L101~200
1mm Increment	Unit Price																														
1~3																															
4~10																															
11~20																															
21~30																															
Dimension A	Perpendicularity k																														
20~75	0.05																														
76~100	0.1																														
101~125	0.15																														
126~150	0.2																														
LAS, LAA	LASC	LAU																													
L25~100	L101~500	L25~100																													
L101~500	L25~500	L101~200																													

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							
		51~75	25~50						
		76~100							
		101~125							
		25~50							
		51~75	51~75						
		76~100							
		101~125							
		25~50							
		51~75	76~100						
	12	25~50							
		51~75	101~125						
		76~100							
		101~125							
		50							
		51~75	50						
		76~100							
		101~125							
		50							
		51~75	51~75						
	15	76~100							
		101~125							
		126~150							
		50							
		51~75	50						
		76~100							
		101~125							
		126~150							
		50							
		51~75	51~75						
		76~100							
		101~125							
		126~150							
		50							
		51~75	76~100						
		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
LAS (EN 1.0038 Equiv.)	10	51~75	51~75						
		76~100							
		51~75	76~100						
	12	51~75							
		76~100	51~75						
		101~125							
		51~75							
		76~100	76~100						
		101~125							
	15	51~75							
		76~100	101~125						
		101~125							
		126~150	76~100						
		50							
		101~125	101~125						
		126~150							
		51~75							
		76~100	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	51-70						
		51-75	20-50						
	6	51-70	51-70						
		20-50	20-50						
		51-70	51-70						
	10	20-50	20-50						
		51-75	51-70						
		76-100	25-70						
	12	101-125	25-70						
		50	50						
		51-75	50						
LAA (EN AW-6063 Equiv.)	5	20-50	20-50						
		51-75	20-50						
		51-75	51-75						
	6	20-50	51-75						
		51-75	51-75						
		25-50	25-50						
	10	51-75	51-75						
		76-100	51-75						
		25-50	76-100						
	12	51-75	76-100						
		101-125	76-100						
		50-75	101-125						
LAU (EN 1.4301 Equiv.)	5	25-50	25-50						
		51-75	25-50						
		76-90	25-50						
	6	25-50	51-75						
		51-75	51-75						
		76-90	51-75						
	8	25-50	76-90						
		51-75	76-90						
		76-90	76-90						
	10	50-75	50-75						
		76-100	50-75						
		50-75	76-100						

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	20-50						
		51-75	51-75						
	6	20-50	51-75						
		51-75	51-75						
		25-50	25-50						
	10	51-75	51-75						
		76-100	51-75						
		25-50	76-100						
	12	51-75	76-100						
		101-125	76-100						
		50-75	101-125						
LAU (EN 1.4301 Equiv.)	5	25-50	25-50						
		51-75	25-50						
		76-90	25-50						
	6	25-50	51-75						
		51-75	51-75						
		76-90	51-75						
	8	25-50	76-90						
		51-75	76-90						
		76-90	76-90						
	10	50-75	50-75						
		76-100	50-75						
		50-75	76-100						

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	20-50						
		51-75	51-75						
	6	20-50	51-75						
		51-75	51-75						
		25-50	25-50						
	10	51-75	51-75						
		76-100	51-75						
		25-50	76-100						
	12	51-75	76-100						
		101-125	76-100						
		50-75	101-125						
LAU (EN 1.4301 Equiv.)	5	25-50	25-50						
		51-75	25-50						
		76-90	25-50						
	6	25-50	51-75						
		51-75	51-75						
		76-90	51-75						
	8	25-50	76-90						
		51-75	76-90						
		76-90	76-90						
	10	50-75	50-75						
		76-100	50-75						
		50-75	76-100						

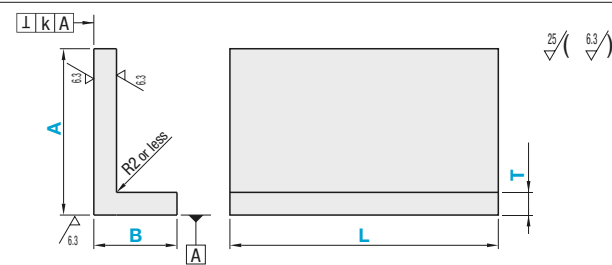
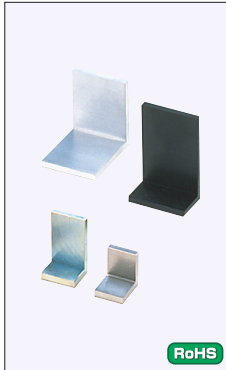
Part Number	T	A	B	Unit Price							
				L301-325	L326-350	L351-375	L376-400	L401-425	L426-450	L451-475	L476-500
LASC (EN 1.1206 Equiv.)	5	25-50	25-50								
		51-70	51-70								
		51-75	25-70								
	6	51-70	25-70								
		20-50	20-50								
		51-70	51-70								
	10	20-50	20-50								
		51-75	51-70								
		76-100	25-70								
	12	101-125	25-70								
		50	50								
		51-75	50								
LAA (EN AW-6063 Equiv.)	5	25-50	25-50								
		51-70	51-70								
		51-75	25-70								
	6	51-70	25-70								
		20-50	20-50								
		51-70	51-70								
	10	20-50	20-50								
		51-75	51-70								
		76-100	25-70								
	12	101-125	25-70								
		50	50								
		51-75	50								
LAU (EN 1.4301 Equiv.)	5	25-50	25-50								
		51-70	51-70								
		51-75	25-70								
	6	51-70	25-70								
		20-50	20-50								
		51-70	51-70								
	10	20-50	20-50								
		51-75	51-70								
		76-100	25-70								
	12	101-125	25-70								
		50	50								
		51-75	50								

Part Number	T	A	B	Unit Price							
				L301-325	L326-350	L351-375	L376-400	L401-425	L426-450	L451-475	L476-500
LAA (EN AW-6063 Equiv.)	5	25-50	25-50								
		51-70	51-70								
		51-75	25-70								
	6	51-70	25-70								
		20-50	20-50								
		51-70	51-70								
	10	20-50	20-50								
		51-75	51-70								
		76-100	25-70								
	12	101-125	25-70								
		50	50								
		51-75	50								
LAU (EN 1.4301 Equiv.)	5	25-50	25-50								
		51-70	51-70								
		51-75	25-70								
	6	51-70	25-70								
		20-50	20-50								
		51-70	51-70								
	10	20-50	20-50								
		51-75	51-70								
		76-100	25-70								
	12	101-125	25-70								
		50	50								
		51-75	50								

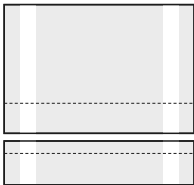
Part Number	T	A	B	Unit Price							
				L301-325	L326-350	L351-375	L376-400	L401-425	L426-450	L451-475	L476-500
LAA (EN AW-6063 Equiv.)	5	25-50	25-50								
		51-70	51-70								
		51-75	25-70								

L-Shaped Surface Treated Angles

Milled Surfaces, Outside Corner Perpendicular, Dimension Configurable



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 .



Tolerance

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

Material	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	50~300
	12	50~125	50~125	
	15	50~150	50~150	
WLAA ELAA	5	20~75	20~75	25~300
	6			
	10	25~100	25~100	50~300
	12	50~125	50~125	



Ordering Example

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



Alterations

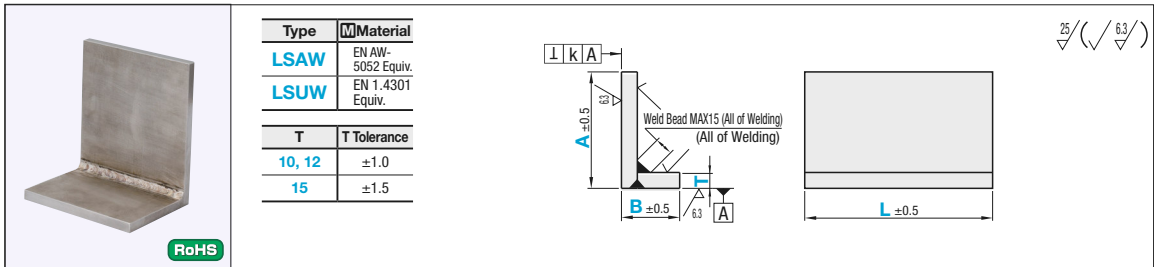
Part Number - A - B - L - (CKC, CCA, CCB...etc.)
BLAS10 - A120 - B120 - L150 - CKC

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

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

L-Shaped Welded Angles

Dimension Configurable



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
LSAW10 LSAW12 LSAW15	101-125	101-125	-	-	-	-	-	-	-	-	-	-
	126-150	101-125	-	-	-	-	-	-	-	-	-	-
	151-175	101-125	-	-	-	-	-	-	-	-	-	-
	176-200	101-125	-	-	-	-	-	-	-	-	-	-
	101-125	126-150	-	-	-	-	-	-	-	-	-	-
	126-150	126-150	-	-	-	-	-	-	-	-	-	-
	151-175	126-150	-	-	-	-	-	-	-	-	-	-
	176-200	126-150	-	-	-	-	-	-	-	-	-	-
	101-125	151-175	-	-	-	-	-	-	-	-	-	-
	126-150	151-175	-	-	-	-	-	-	-	-	-	-
	151-175	151-175	-	-	-	-	-	-	-	-	-	-
	176-200	151-175	-	-	-	-	-	-	-	-	-	-

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	76-100	-	-	-	-	-	-	-	-	-
	126-150	76-100	-	-	-	-	-	-	-	-	-
	151-175	76-100	-	-	-	-	-	-	-	-	-
	176-200	76-100	-	-	-	-	-	-	-	-	-
	76-100	101-125	-	-	-	-	-	-	-	-	-
	101-125	101-125	-	-	-	-	-	-	-	-	-
	126-150	101-125	-	-	-	-	-	-	-	-	-
	151-175	101-125	-	-	-	-	-	-	-	-	-
	176-200	101-125	-	-	-	-	-	-	-	-	-
	76-100	126-150	-	-	-	-	-	-	-	-	-
	101-125	126-150	-	-	-	-	-	-	-	-	-

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

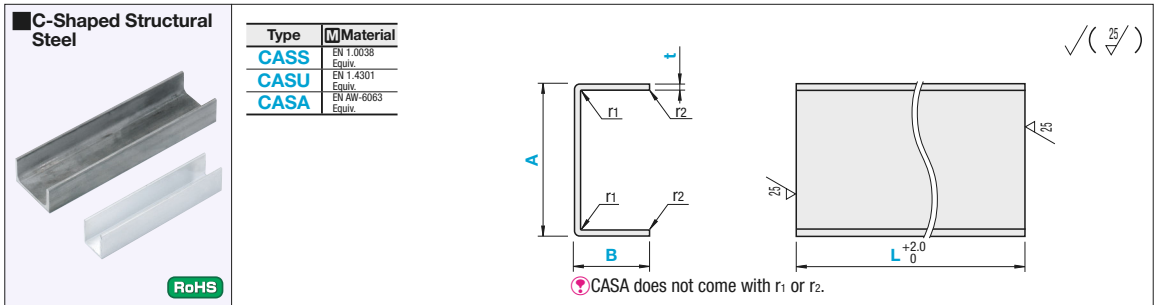
Alterations	Corner Cut
Code	CCA, CCB, CCC, CCD
Spec.	Any corner can be cut. 1 ≤ Corner Cut ≤ 30 Specify in 1mm increment. 1mm Increment Unit Price 1~3 4~10 11~20 21~30 Ordering Code (Ex.) When A and D are cut with C5→CCA5-CCD5

Ordering Example	Part Number - A - B - L LSAW10 - A120 - B120 - L150
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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 (16mm) is welded at the center of dimension L. SR≥A/2 Ordering Code SR80 (Gusset Height = 80mm from Bottom Surface)
	WR	Two gussets (16mm) are welded 2mm inside from both ends of dimension L. WR≥A/2 Ordering Code WR70 (Gusset Height = 70mm from Bottom Surface)

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

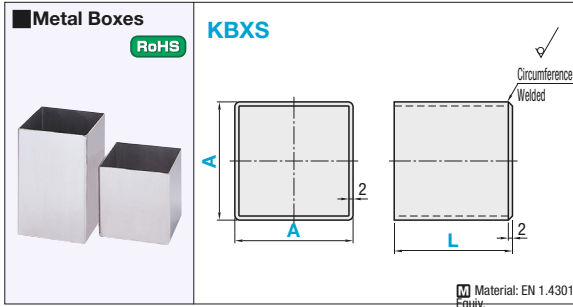


Part Number		A-B	L 1mm Increment	T Tolerance	A	B	(r1)	(r2)	Unit Price							
Type	t								L30-100	L101-200	L201-400	L401-600	L601-800	L801-1000		
CASS	2.3	4020	30-1000	±0.25	40	20	4	2								
		8040			±1.5	40	±1.5	8	2							
CASU	3	4020		±0.4	40	20	4	2								
		8040			±2.0	40	±1.5	4.5	3							
CASA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

Ordering Example	Part Number - A-B - L CASA2 - 2525 - 400
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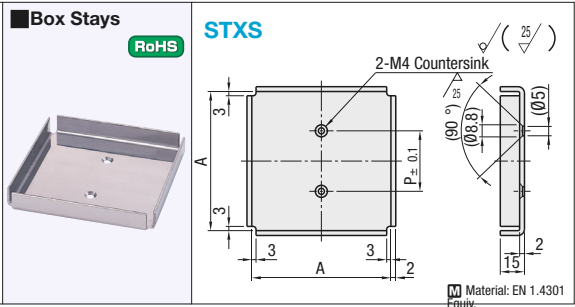
Alterations	Part Number - A-B - L - (NC) CASA2 - 2525 - 400 - NC3 - J10 - P80 - K3
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Alteration	Code	Spec.
Hole Machining 	NC	NC: Applicable Bolt Size J: 1mm Increment P: Pitch in 1mm Increment K: Number of Holes Ordering Code NC3-J10-P80-K3 NC Applicable Bolt N 3 M3 Ø3.5 4 M4 Ø4.5 5 M5 Ø5.5



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

Ordering Example	Part Number - L KBXS75 - 100
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Part Number	Type	Nominal	A	P	Unit Price
STXS		50	51	25	
		75	76	35	
		100	101	45	

