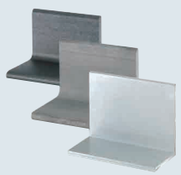
L-Shaped Angles

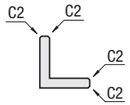
2 Equilateral Sides Blank / Non-Equilateral Sides Blank Type

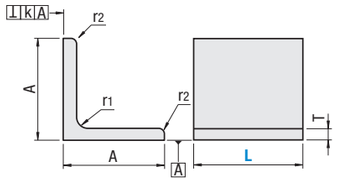
L-Shaped Angles – 2 Equilateral Sides Blank Type



RoHS 10

Type	Material
LACS	1018 Carbon Steel or Equivalent
LACA	6063 Aluminum Alloy
LACU	304 Stainless Steel





*LACA12 (Aluminum) only has radius r2 shape as shown on the right.

1018 Carbon Steel or Equivalent products are shot blasted (only LACS3 surfaces are "as material"). 6063 Aluminum Alloy and 304 Stainless Steel surfaces are "as material".

Tolerance

Type	No.	Perpendicularity k	A	L
LACS	3, 5, 6, 8, 9, 9A, 13	±2.0	±2.0	+1.0 / 0
LACS	9B, 15, 15A, 15B	±3.0	±3.0	+3.0 / 0
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	+1.0 / 0
LACA	14, 18	±3.0	±0.8	+2.0 / 0
LACU	6, 8, 8A, 9, 10			

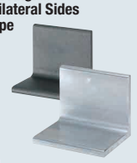
Part Number Type	No.	L 1 mm Increment	T	T Dim. Tolerance	A	r_1	r_2	L30–49	L50–99	L100–149	L150–199	L200–249	L250–300
LACS 1018 Carbon Steel or Equivalent	3	30–300	3	±0.5	30	3.0	1.5	•	•	•	•	•	•
	5		5		30	5.0	2.5	•	•	•	•	•	•
	6		6		50	6.0	3.0	•	•	•	•	•	•
	8		8	±0.7	65	9.0	4.0	•	•	•	•	•	•
	9		9		75		4.5	•	•	•	•	•	•
	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 6063 Aluminum Alloy	3	30–300	3	±0.25	20	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	3A				30	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	3B				40	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	3C				50	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	4		4		30	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	4A				40	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	4B				50	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	5		5		30	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	5A				40	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	5B				50	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	5C				60	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	6		6	±0.3	40	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	6A				50	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	6B				60	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	6C				75	6.0	3.0	•	•	•	•	•	•
	8		8		80	8.5	4.0	•	•	•	•	•	•
	9A		9		75	8.5	4.0	•	•	•	•	•	•
	9				90	9.0	4.5	•	•	•	•	•	•
	10A		10		50	0.5 or Less	0.5 or Less	•	•	•	•	•	•
	10	50–300			100	8.5	4.0	—	•	•	•	•	•
	12		12		130	1.0 or less	*	—	•	•	•	•	•
	14		14	±0.5	130	0.5	0.5	—	•	•	•	•	•
	18		18		155	1.0 or less	1.0 or less	—	•	•	•	•	•
LACU 304 Stainless Steel	6	30–300	6	±0.6	65	8.5	4.0	•	•	•	•	•	•
	8		8	±0.7	65	8.5	4.0	•	•	•	•	•	•
	8A				100	10.0	6.0	—	•	•	•	•	•
	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 Example

Part Number	-	L
LACA8	-	100

L-Shaped Angles – Non-Equilateral Sides Blank Type

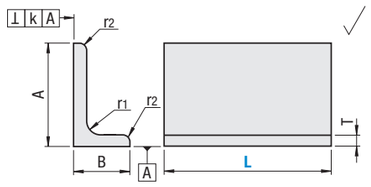


RoHS 10

Type	Material
LAFS	1018 Carbon Steel or Equivalent
LAFA	6063 Aluminum Alloy

1018 Carbon Steel or Equivalent products are shot blasted.

6063 Aluminum Alloy and 304 Stainless Steel surfaces are "as material".



Tolerance

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

Part Number Type	No.	L 1 mm Increment	T	T Dim. Tolerance	A	B	r_1	r_2	L30–49	L50–99	L100–149	L150–199	L200–249	L250–300
LAFS 1018 Carbon Steel or Equivalent	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 6063 Aluminum Alloy	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 Example

Part Number	-	L
LAFS12	-	200

L-Shaped Aluminum / L-Shaped Resin Angles

Configurable Type

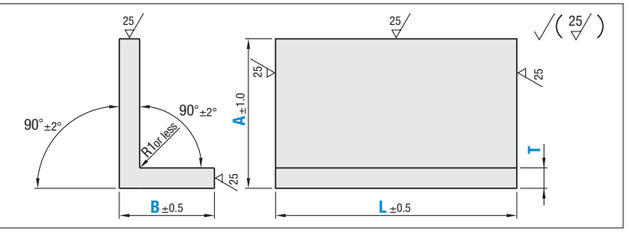
L-Shaped Aluminum Angles

RoHS 10

Type	Material
LRA	6063 Aluminum Alloy

The longest L extrusion has rough ends.

When the T dimension is 18 mm and the A dimension is 155 mm, the A dimension tolerance is ±1.1.



Part Number Type	T	T Tolerance	1 mm Increment A	B	L
LRA	3	±0.6	20–40	20–40	20–300
	5	±0.7	20–50	20–50	
	6		20–70	20–70	
	8		20–75	20–75	
	10	±0.8	20–95	20–95	
	12		50–125	50–125	51–300
	14		50–130	50–130	
	18		100–155	100–155	

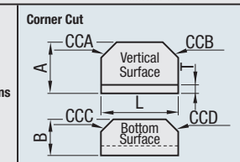
Part Number Type	T	A	B	L20–50	L51–100	L101–150	L151–200	L201–250	L251–300
LRA	3	20–30	20–40	•	•	•	•	•	•
		31–40		•	•	•	•	•	•
	5	20–30	20–30	•	•	•	•	•	•
		31–50		•	•	•	•	•	•
		20–30	31–50	•	•	•	•	•	•
		31–50		•	•	•	•	•	•
	6	20–30	20–30	•	•	•	•	•	•
		31–50		•	•	•	•	•	•
		51–70		•	•	•	•	•	•
		20–30	31–50	•	•	•	•	•	•
		31–50		•	•	•	•	•	•
		51–70		•	•	•	•	•	•
		20–30	51–70	•	•	•	•	•	•
		31–50		•	•	•	•	•	•
		51–70		•	•	•	•	•	•
	8	20–30	20–30	•	•	•	•	•	•
		31–50		•	•	•	•	•	•
		51–75		•	•	•	•	•	•
		20–30	31–50	•	•	•	•	•	•
		31–50		•	•	•	•	•	•
		51–75		•	•	•	•	•	•
		20–30	51–75	•	•	•	•	•	•
		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		—	•	•	•	•	•

Part Number Example

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

Part Number Alterations

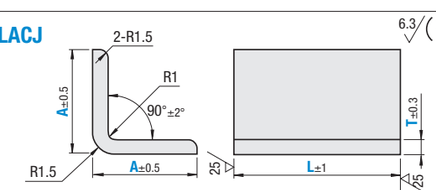
Part Number	-	A	-	B	-	L	-	(CCA, etc.)
LRA10	-	A85	-	B60		L130		CCA5-CCD5

Corner Cut	
Alterations	Corner Cut 
Code	CCA / CCB / CCC / CCD
Spec	Any corner can be cut. 1 ≤ Corner Cut ≤ 30 1 mm Increment **Ordering Code:** (Ex.) When A and D are cut with C5 ⟶ CCA5, CCD5

L-Shaped Resin Angles

RoHS 10

LACJ

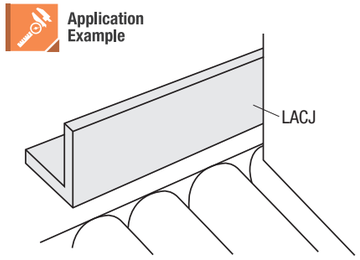


The product has approx. 15 mm / 1,000 mm bow due to the extruded resin material property.

Material: Nylon 6

Part Number Type	T	A	L 1 mm Increment
LACJ	6	30	50–1000
		50	

Application Example



As rudimentary work guides.

Part Number Example

Part Number	-	A	-	L
LACJ6	-	A50	-	L200