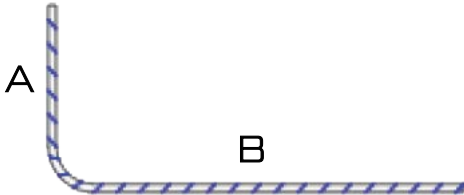


Standard Shapes

L Shape



General Max Leg Length: 48"

L Shapes available in custom lengths — see Custom bends below for limitations.

Meets Your Specifications

- Our shapes are manufactured based on your project specifications.

Cost Savings

- No infield labor or equipment required to bend our rebar.

Delivered Assembled

- For shapes with multiple pieces, we will delivery them assembled per spec.

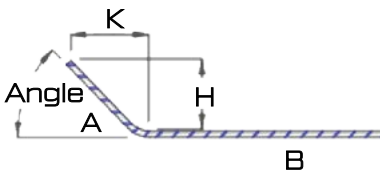
Follow ASTM and ACI Standards

- Our angles will be within +/- 2.5° per the ASTM D795 and ACI 440.11 standards.

CUSTOM Shapes

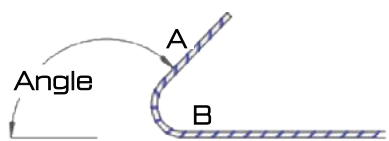
- Lead time for custom bends will be determined once the final bar is approved.
- Minimum quantities may apply for custom bends production.

L Shape < 90°



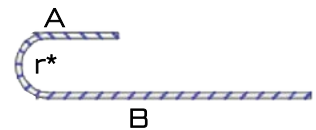
	A	B
Min/Max Leg (in)	8/48	8/48
Min/Max Angle (°)	5/89	N/A

L Shape > 90°



	A	B
Min/Max Leg (in)	8/48	8/48
Min/Max Angle (°)	90/180	N/A

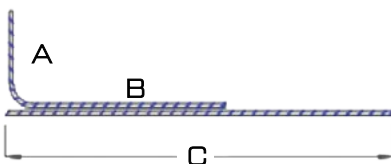
Hooked Bar (180°)



r* = radius is determined by bar size. See ASTM D7957 for table of min inside bends.

	A	B
Min/Max Leg (in)	8/48	8/48
Min/Max Angle (°)	180	N/A

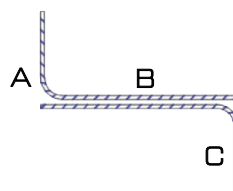
Long Leg Bent



¹ min length of C must meet ASTM D7957 for recommended overlap per bar size. Max length is 40 ft.

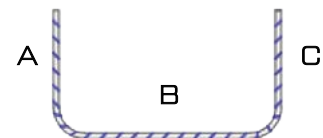
	A	B	C ¹
Min/Max Leg (in)	8/48	8/48	Note ¹
Min/Max Angle (°)	180	N/A	N/A

Z Bar or Similar



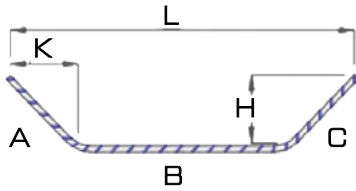
	A	B	C
Min/Max Leg (in)	8/48	8/48	8/48
Min/Max Angle (°)	5/180	N/A	5/180

U/C Shape Bar



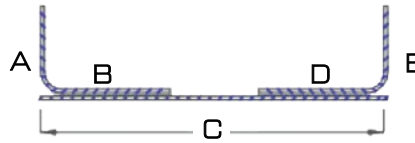
	A	B	C
Min/Max Leg (in)	8/48	8/48	8/48
Min/Max Angle (°)	5/90	N/A	5/90

Open U



	A	B	C
Min/Max Leg (in)	8/48	8/48	8/48
Min/Max Angle (°)	91/179	N/A	91/180

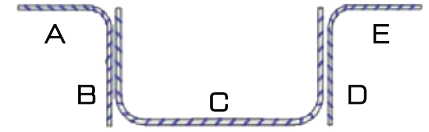
Long Leg U



¹ min length of C must meet ASTM D7957 for recommended overlap per bar size. Max length is 40 ft.

	A	B	C ¹	D	E
Min/Max Leg Length	8/48	8/48	Note ¹	8/48	8/48
Min/Max Angle	90/179	N/A	N/A	N/A	90/179

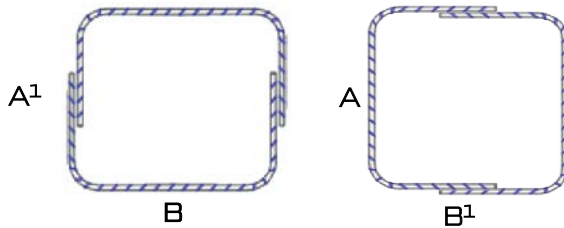
Gull Wing



¹ min length of C must meet ASTM D7957 for recommended overlap per bar size.

	A	B	C ¹	D	E
Min/Max Leg Length	8/48	8/48	Note ¹	8/48	8/48
Min/Max Angle	90	N/A	90	N/A	90

Stirrup



	A	B
Min/Max Leg (in)	8/48	8/48
Min/Max Angle (°)	90	90

Currently stirrups are made of two equal dimension U Shaped Bars

¹The A or B leg will need to be overlapped/spliced based on the diameter of the rebar according to ASTM D7957. We will automatically calculate the leg lengths to account for the needed overlap/splice.

Following ASTM D7957 the overlap/splice length is typically 1.2*(dia).

NOTES:

1. This guide intends to capture the majority of our bent bar capabilities. Shapes and dimensions exceeding listed tolerances may be available. Please check with your BasTech® representative for details or alternatives.
2. "dia" or "d" refer to bar diameter
3. Bent Bars available in sizes #3 - #6
4. Inner bend radii equal to 3x Bar Diameter
5. All dimensions are out-to-out.
6. Bent bar shape dimensions and tolerance details are specified in ASTM D7957, ACI 440, ACI 318, and ACI 117.

Basalt Engineering, LLC
Makers of BasTech Basalt Concrete Reinforcement Products



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