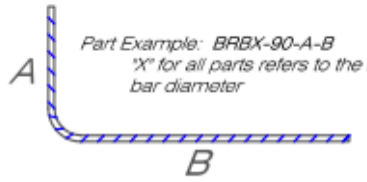
Standard Aslan 100 GFRP Bar Bends (Bar Sizes #2 - #8) (8-6-13)

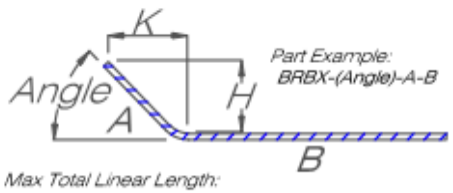
G1-90 Deg Bent (Steel 2,17)



Part Example: BRBX-90-A-B
"X" for all parts refers to the imperial bar diameter

Max Legs: A ≤ 80", B may be up to 80"
If A ≤ 50", B may be up to 95"
If A ≤ 30", B may be up to 105"

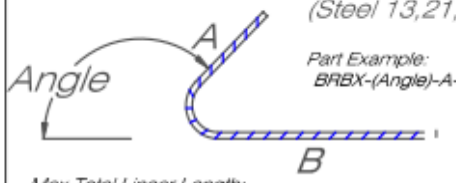
G2->90 Deg Bent (Steel 3)



Part Example: BRBX-(Angle)-A-B

Max Total Linear Length:
If Angle between 5 & 25 Degrees: 110"
If Angle between 25 & 45 Degrees: 115"
If Angle between 45 & 65 Degrees: 120"
If Angle between 65 & 85 Degrees: 130"

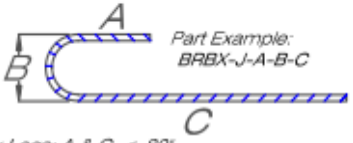
G3-<90 Deg Bent (Steel 13,21,30)



Part Example: BRBX-(Angle)-A-B

Max Total Linear Length:
If Angle between 95 & 115 Degrees: 130"
If Angle between 115 & 135 Degrees: 120"
If Angle between 135 & 155 Degrees: 115"
If Angle between 155 & 175 Degrees: 110"

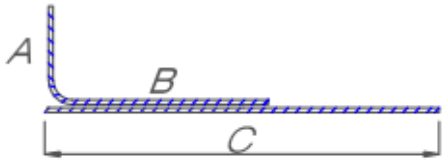
G4-Hooked Bar (Steel 1)



Part Example: BRBX-J-A-B-C

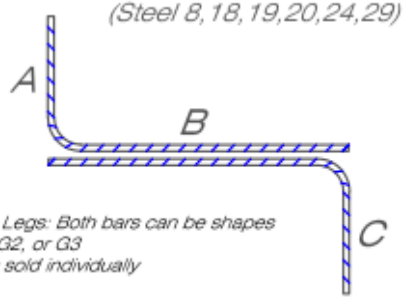
Max Legs: A & C ≤ 80"
B: 3" for #2 bar
4.5" for #3 through #6 bar
6" for #7 & #8 bar
Note: A 90 Deg bend with a 12 bar diameter tail is equally effective and more economical.

G5-Long Leg Bent (Steel 2,17)



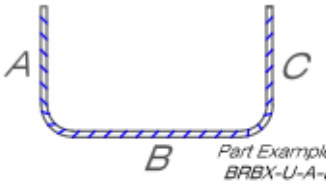
Max Legs: Bar comprised of sides A & B can be shapes G1, G2, or G3
Straight bar (C) can be produced up to 60 ft long.
Bars sold individually

G6-Z Bar or Similar (Steel 8,18,19,20,24,29)



Max Legs: Both bars can be shapes G1, G2, or G3
Bars sold individually

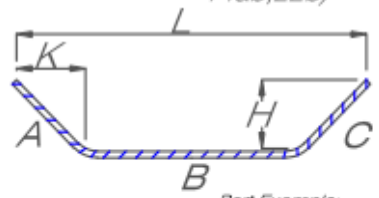
G7-U/C Shape Bar (Steel 2/17)



Part Example: BRBX-U-A-B-C

Max Legs: For B < 40", A&C can be up to 45" each
For 40"<B<80", A&C can be up to 40" each
For 80"<B<95", A&C can be up to 20" each

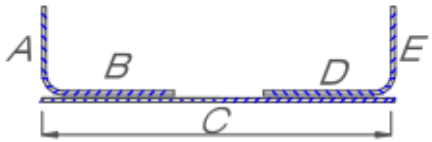
G8-Open U (Steel 3d,4c, 14ab,22b)



Part Example: BRBX-U*-A-B-C

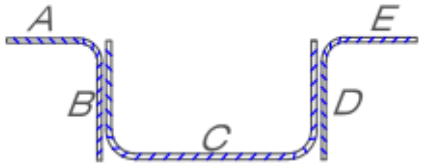
Max Part Lengths: L can be up to 80"
H can be up to 45"

G9-Long Leg U (Steel 2/17)



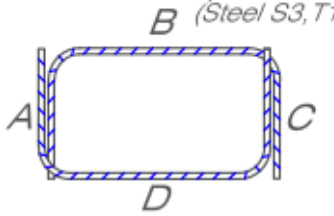
Max Legs: Bars comprised of sides A & B and D & E can be shapes G1, G2, or G3
Straight bar (C) can be produced to length
Bars sold individually

G10-Gull Wing (Steel 3,4,7,22,23)



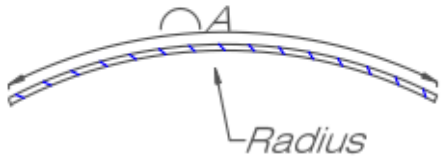
Max Legs: Bars comprised of sides A & B and D & E can be shapes G1, G2, or G3
Bar comprised of sides B,C, & D can be shapes G7 or G8
Bars sold individually

G11-Closed Stirrup (Steel S3,T1,T2)



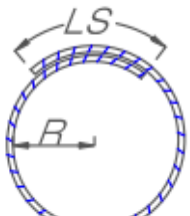
Max Legs: Both individual bars conform to shape G7
Bars sold individually

G12-Large Radius (Steel 9)



Max Legs: Straight bar can be produced to length
Refer to Page 10 of Aslan 100 Brochure for Large Radius Curve allowances. Large Radius curves are field formed to shape.

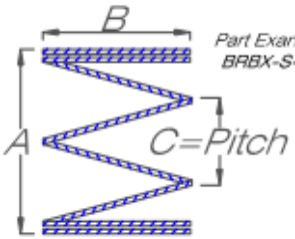
G13-Hoop (Steel T3)



Max Size: 6" ≤ R ≤ 48"

Part Example: BRBX-H-(Int. Diameter)-(LS)

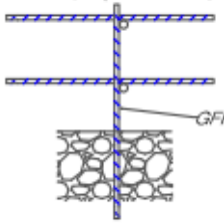
G14-Spiral (Steel SP1)



Part Example: BRBX-S-(Int. Diameter)-(Turns)

Max Size: B conforms to shape G13
Number of turns can be up to 60

G15-Stake (Steel 25,26 alternative)



A GFRP stake is an alternative for a Standee shape. While a standee is possible, a GFRP stake is a much more economical solution and is preferred. Bar can be directly embedded into the ground and will not corrode.

Aslan FRP
Hughes Brothers, Inc
210 North 13th Street
Seward, NE 68434 USA
402-643-2991 800-869-0359
www.aslanfrp.com

This Sheet is intended to be used as a general guideline to detailing with Aslan 100 GFRP Reinforcing bars. Shapes shown are common interpretations of standard steel rebar details. See literature for bend radius limits. GFRP rebar that falls outside of the parameters listed may still be made, please contact us regarding any sizes or shapes that are not listed above to ensure the most effective and economical solution.