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

G1-90 Deg Bent (Steel 2, 17)  
Part Example: BRBX-90-A-B  
A & B refer to imperial bar diameter  
Max Legs: A ≤ 80°, B may be up to 80°  
If A ≤ 60°, B may be up to 90°  
If A ≤ 30°, B may be up to 105°  
Max Total Linear Length:  
If Angle between 5° & 25° Degrees: 110°  
If Angle between 25° & 45° Degrees: 115°  
If Angle between 45° & 85° Degrees: 120°  
If Angle between 85° & 95° Degrees: 130°  

G2->90 Deg Bent (Steel 3)  
Part Example: BRBX-(Angle)-A-B  
Angle ≤ 135°  
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°  

G3-<90 Deg Bent  
Part Example: BRBX-(Angle)-A-B  
Angle ≤ 90°  
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: BRB X-J-A-B-C  
Max Legs: A & C ≤ 80°  
Br 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)  
Part Example: BRB X-U-A-B-C  
Max Legs: Bar comprised of sides A & B can be  
shapes G1, G2, or G3  
Bar can be produced up to 60 ft long  
Bars sold individually  
Max Legs: Bar comprised of sides C can be produced up to 60 ft long  
Bars sold individually  

G6-Z Bar or Similar  
Part Example: BRB X-U-A-B-C  
Max Legs: Both bars can be shapes  
G1, G2, or G3  
Bars sold individually  

G7-U/C Shape Bar (Steel 2/17)  
Part Example: BRB X-U-A-B-C  
Max Legs: For B ≤ 45°, A & C can be up to 45° each  
For 45° < B ≤ 90°, A & C can be up to 45° each  
For 90° < B ≤ 120°, A & C can be up to 25° each  
Max Part Lengths: L can be up to 80°  
H can be up to 45°  

G8-Open U (Steel 3c, 4c, 14ab, 22b)  
Part Example: BRB X-U-A-B-C  
Max Legs: Bar can be produced up to length  
Refer to Page 10 of Aslan 100 Brochure for  
Large Radius Curve allowances. Large  
Radius curves are field formed to shape.  

G9-Long Leg U (Steel 2/17)  
Part Example: BRB X-U-A-B-C  
Max Legs: Bars comprised of sides A & B and D 
& E can be shapes G1, G2, or G3  
Bar can be produced up to length  
Bars sold individually  
Max Legs: Bars comprised of sides C, D, & E can be shapes G7 or G8  
Bars sold individually  

G10-Gull Wing (Steel 3, 4, 7, 22, 23)  
Part Example: BRB X-U-A-B-C  
Max Legs: Both individual bars conform to shape G7  
Bars sold individually  

G11-Closed Stirrup (Steel S3, T1, T2)  
Part Example: BRB X-U-A-B-C  
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.  

G12-Large Radius (Steel 9)  
Part Example: BRB X-U-A-B-C  
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)  
Part Example: BRB X-H-(Int. Diam.)-(LS)  
Max Size: 6" ≤ R ≤ 48"  
Max Size: 6" ≤ R ≤ 48"  

G14-Spiral (Steel SP1)  
Part Example: BRB X-S-(Int. Diam.)-(Spiral)  
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  

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.