

Stirrup Pin Bend Shapes (S)							
Size	Case	D	A or G			H	J
			90°	135°	180°		
#4	2	2"	4½"	4½"	5"	2⅞"	3"
	3	3"	5"	5¼"	6"	3"	3"
#5	2	2½"	5¼"	5¼"	5¼"	3⅝"	3¾"
	3	3¾"	6¼"	6¼"	7"	3⅝"	5"
#6	1	4½"	12"	7¾"	8¼"	4⅝"	6"

Applicable for all grades of steel.

Case 1 applies to all reinforcement. Case 2 applies to all reinforcement except for galvanized bars. Case 3 applies to galvanized bars only.

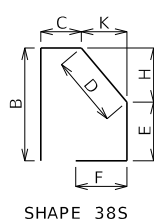
6d for #4 & #5,
12d for #6

90°

135°

180°

4d or 2½" Min.



BENDING DIAGRAMS

Nominal lengths are based on out to out dimensions shown in bending diagrams and are listed to the nearest inch for fabricator's use. Actual lengths are measured along centerline bar to the nearest inch. Weights are based on actual lengths.

Reinforcing steel (ASTM A615 Grade 60) $f_y = 60,000$ psi

Codes: C = Required coatings, where E = Epoxy Coated and G = Galvanized.

SH = Required shape, see bending diagrams.

V = Sets of varied bars and number of bars of each length. Bar dimensions vary in equal increments between dimensions shown on this line and the following line and the actual length dimension shown on this line and the following line vary by the specified increment.

All dimensions are out to out.

(1) Shall be a deformed or plain spiral bar or wire.

Shapes ending with an S shall be bent in accordance with stirrup pin bend shapes.

Unless otherwise noted,
finished bending diameter
D is the same for all
bends of a shape.

(1) Shall be a deformed or plain spiral bar or wire.

Four angle or channel spacers are required for each column spiral. Spacers are to be placed on inside of spirals. Length and weight of column spirals do not include splices or spacers.

		Reinforcing Steel Totals (Pounds)						
		Substructure		Superstructure			Entire Bridge	
Size		Plain	Epoxy	Slab	Barrier	Slip Form	Plain	Epoxy
By Size	4	0	0	0	0	0	0	0
	5	0	0	0	453	0	0	453
	6	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0
	8	0	0	0	0	0	0	0
By Type		0	0	0	453	0	0	453
All superstructure reinforcing steel shall be epoxy coated unless otherwise specified.								

[illegible]

BENDING DIAGRAMS AND REINFORCING STEEL TOTALS