

BridgeClip®

Secures Channel to Stud

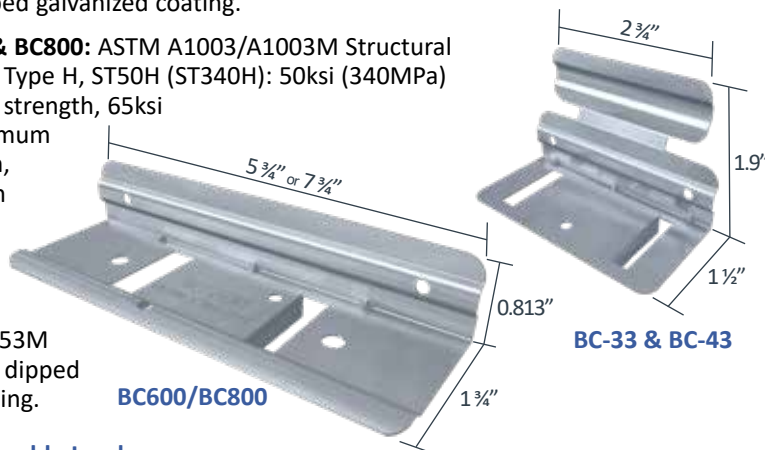
The Steel Network, Inc.
www.steelnetwork.com
1-888-474-4876



Material Composition

BC-33: ASTM A1003/A1003M Structural Grade 50 (340) Type H, ST50H (ST340H): 50ksi (340MPa) minimum yield strength, 65ksi (450MPa) minimum tensile strength, 33mil minimum thickness (20 gauge, 0.0346" design thickness) with ASTM A653/A653M G90 (Z275) hot dipped galvanized coating.

BC-43, BC600 & BC800: ASTM A1003/A1003M Structural Grade 50 (340) Type H, ST50H (ST340H): 50ksi (340MPa) minimum yield strength, 65ksi (450MPa) minimum tensile strength, 43mil minimum thickness (18 gauge, 0.0451" design thickness) with ASTM A653/A653M G90 (Z275) hot dipped galvanized coating.



Load Direction

US Patent #5,904,023

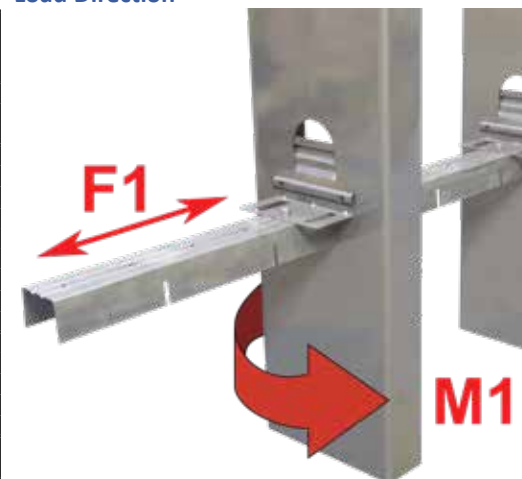


Table Notes:

- Listed ASD allowable loads are based on ultimate test data divided by a factor of safety.
- Listed ASD allowable loads are limited by screw shear or pullout at stud web.

Table Nomenclature	Clip	Qty # 10 Screws into Bridging	Qty # 10 Screws into Stud
BC-33, 1	BC-33	1	0
BC-33, 3	BC-33	1	2
BC-43, 1	BC-43	1	0
BC-43, 3	BC-43	1	2
BC600	BC600	2	2
BC800	BC800	2	2

Nomenclature

BridgeClip is designated by the type BC.

BridgeClip Allowable Loads

BridgeClip	Stud Depth	Stud Thickness (mils) (ga)	Axially Loaded Stud, Allowable Brace Strength F1 (lbs)	Laterally Loaded Stud, Allowable Torsional Moment M1 (in.lbs)
BC-33, 1	3.625/4	33 (20)	75	132
		43 (18)		143
		54 (16)		156
BC-43, 1	3.625/4	33 (20)	112	168
		43 (18)		179
		54 (16)		192
BC-33, 3	3.625/4	33 (20)	360	192
		43 (18)		221
		54 (16)		252
BC-43, 3	3.625/4	33 (20)	433	240
		43 (18)		297
		54 (16)		360
BC-33, 1	6	33 (20)	75	192
		43 (18)		252
		54 (16)		264
		68 (14)		307
		97 (12)		396
BC-43, 1	6	33 (20)	112	240
		43 (18)		372
		54 (16)		324
		68 (14)		371
		97 (12)		468
BC-33, 3	6	33 (20)	360	228
		43 (18)		254
		54 (16)		288
		68 (14)		324
		97 (12)		408
BC-43, 3	6	33 (20)	433	324
		43 (18)		384
		54 (16)		372
		68 (14)		407
		97 (12)		480
BC600	6	33 (20)	170	684
		43 (18)	218	792
		54 (16)	360	864
		68 (14)		887
		97 (12)		936
BC-33, 1	8	33 (20)	75	144
		43 (18)		178
		54 (16)		216
BC-43, 1	8	33 (20)	112	192
		43 (18)		232
		54 (16)		276
BC-33, 3	8	33 (20)	360	240
		43 (18)		280
		54 (16)		324
BC-43, 3	8	33 (20)	433	288
		43 (18)		339
		54 (16)		396
BC800	8	33 (20)	170	756
		43 (18)	218	790
		54 (16)	360	828
		68 (14)		851
		97 (12)		900