

Marino\WARE® Product Submittal Data

MARINO\WARE PART # RCC800

Rigid Clip Connector (RCC)

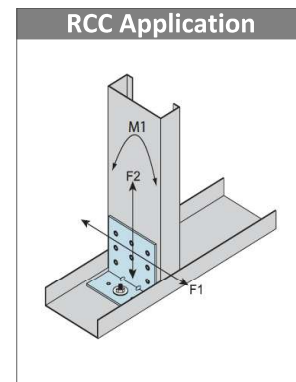
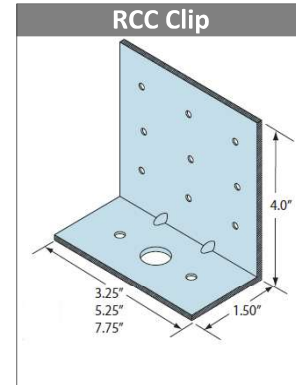
MATERIAL: 12ga (97 mil), 50 ksi

FINISH: Galvanized – G90

Model No.	Stud Size	Dimensions (in.)	Box Qty.
RCC358	3-5/8"	1-1/2 x 4 x 3-1/4	50
RCC600	6"	1-1/2 x 4 x 5-1/4	50
RCC800	8"	1-1/2 x 4 x 7-3/4	25

Allowable Strength of RCC in Moment (M1)

CFS Member		Allowable Strength (in-kips) Flexibility (Rad/in-lb x106)					
		RCC358		RCC600		RCC800	
Thickness (mils/ga.)	Fy (ksi)	No. of Screws		No. of Screws		No. of Screws	
		3	6	3	6	5	10
33 (20)	33	0.82	1.51	1.79	2.29	2.78	3
		29.3	17.4	7.28	5.90	8.21	2.92
43 (18)	33	0.82	1.51	1.79	2.29	2.78	3.00
		29.3	17.4	7.28	5.90	8.21	2.92
54 (16)	50	1.43	1.51	3.23	3.23	3.46	5.91
		29.3	17.4	7.28	5.90	8.21	2.92
68 (14)	50	1.43	2.32	3.22	3.22	3.46	5.71
		29.3	17.4	7.28	5.90	8.21	2.92
97 (12)	50	1.43	2.32	3.22	3.22	3.46	5.71
		29.3	17.4	7.28	5.90	8.21	2.92



CODES & STANDARDS

- Steel meets ASTM A1003
- Coating meets ASTM A1003, A653
- ICC ES ESR-3578

GREEN INFO

- LEED v4 credits available
- Contact Technical Services for more information

ClipSource™



www.marinoware.com

For more information, please contact Marino\WARE Technical Services at 866-545-1545.

This technical information reflects the most current information available and supersedes any and all publications, effective 10/1/2021

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Allowable Strength of RCC in Tension/Compression (F2)

CFS Member		Allowable Strength (lbs.)					
Thickness (mils/ga.)	Fy (ksi)	RCC358		RCC600		RCC800	
		No. of Screws		No. of Screws		No. of Screws	
		3	6	3	6	5	10
33 (20)	33	530	1,060	530	1,060	884	1,767
43 (18)	33	789	1,578	789	1,578	1,315	2,116
54 (16)	50	1,602	2,116	1,602	2,116	2,116	2,116
68 (14)	50	1,640	2,116	1,640	2,116	2,116	2,116
97 (12)	50	1,640	2,116	1,640	2,116	2,116	2,116

Allowable Strength of RCC in Shear (F1)

CFS Member		Allowable Strength (lbs.)					
Thickness (mils/ga.)	Fy (ksi)	RCC358		RCC600		RCC800	
		No. of Screws		No. of Screws		No. of Screws	
		3	6	3	6	5	10
33 (20)	33	450	450	600	710	850	850
43 (18)	33	450	450	600	710	850	850
54 (16)	50	840	1,000	1,250	1,500	1,860	1,990
68 (14)	50	840	1,000	1,250	1,500	1,860	1,990
97 (12)	50	840	1,000	1,250	1,500	1,860	1,990

Notes:

1. Tabulated values are based on #10-16 screws with ultimate shear capacity of 1,600 lbs per screw.
2. Allowable loads have not been increased for wind or seismic.
3. Tabulated loads are based on 1/2" diameter bolt with 1/2" Type A plain washer with a nominal outside diameter of 1.062" & nominal thickness of 0.095".
4. It is the responsibility of the design professional to design the connection of the RCC to the supporting structure.
5. Use linear interaction for combination of F1, F2, ar
6. The 1/4" thick Heavy Duty Washer (HDW) meets ASTM A36 Standard Specification for Carbon Structural Steel and is made from hot rolled flat bar and painted gray for corrosion resistance.

