RIGID CONNECTORS

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RIGID CLIP CONNECTOR WITH HDW WASHER

Rigid Clip Connectors (RCC) are used to rigidly attach the bottom of a parapet stud to the structure, or where high tension or rotational restrain is required.

MATERIAL: 1/4" Carbon Structural Steel Hot Rolled Heavy Duty Washer (HDW), 36 ksi

FINISH: HDW washer is painted gray for corrosion resistance.

INSTALLATION:

- · Attach long leg of Rigid Clip Connector to web of stud with #10–16 screws through pre-punched holes.
- · Attach short leg of Rigid Clip Connector to structure with a 1/2" anchor bolt per Project Engineer's design.

Allowable Strength of RCC with HDW (Washer) in Moment (M1)

CFS Member		Allowable Strength (in-kips) Flexibility (Rad/in-lb x106)							
Thickness		RCC358		RCC600		RCC800			
(mil/ga)	Fy (ksi)		Screws 6	No. of S 3	crews 6	No. of S 5	Screws 10		
00 (00)	33	0.99	1.94	2.15	2.35	3.37	3.82		
33 (20)		28.4	8.07	4.06	4.06	6.39	1.70		
42 (10)	33	0.99	1.94	2.15	2.35	3.37	3.82		
43 (18)		28.4	8.07	4.06	4.06	6.39	1.70		
54 (16)	50	2.10	3.99	4.38	4.69	8.06	8.03		
34 (10)		28.4	8.07	4.06	4.06	6.39	1.70		
68 (14)	50	2.10	3.99	4.38	4.69	8.06	8.03		
00 (14)		28.4	8.07	4.06	4.06	6.39	1.70		
97 (12)	50	2.10	3.99	4.38	4.69	8.06	8.03		
57 (12)		28.4	8.07	4.06	4.06	6.39	1.70		

Allowable Strength with HDW (Washer) in Shear (F1)

CFS Mem	ber	Allowable Strength (lbs)							
T I · I		RCC358 No. of Screws		RCC600 No. of Screws		RCC800			
Thickness (mils/Ga)	Fy					No. of Screws			
(11115/00)	(ksi)	3	6	3	6	5	10		
33 (20)	33	480	480	660	760	980	980		
43 (18)	33	480	480	660	760	980	980		
54 (16)	50	1,070	1,100	1,450	1,670	2,160	2,160		
68 (14)	50	1,070	1,100	1,450	1,670	2,160	2,160		
97 (12)	50	1,070	1,100	1,450	1,670	2,160	2,160		

Notes

Tabulated values are based on #10-16 screws with ultimate shear capacity of 1,600 lbs per screw.

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1. 2. Allowable loads have not been increased for wind or seismic.

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". З.

Δ It is the responsibility of the design professional to design the connection of the RCC to the supporting structure

5-1/4"

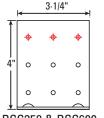
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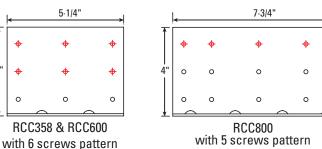
RCC358 & RCC600

5. Use linear interaction for combination of F1, F2, and M1.

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.

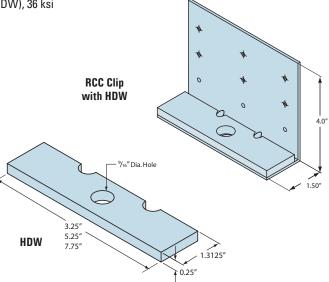


RCC358 & RCC600 with 3 screws pattern



7-3/4" c 0 0 0 0 RCC800

with 10 screws pattern



Heavy Duty Washer (HDW)

Model No.	Stud Size	Dimensions (in.)	Box Quantity			
HDW358	3-5/8"	1/4 x 1-5/16 x 3-1/4	50			
HDW600	6″	1/4 x 1-5/16 x 5-1/4	50			
HDW800	8″	1/4 x 1-5/16 x 7-3/4	25			

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Allowable Strength with HDW (Washer) in Tension/Compression (F2)

CFS Member		Allowable Strength (lbs)						
		RCC358		RCC600		RCC800		
Thickness (mils/Ga)	Fy (ksi)	No. of 3	Screws 6	No. of S 3	Crews 6	No. of S 5	Crews 10	
33 (20)	33	530	1,060	530	1,060	884	1,767	
43 (18)	33	789	1,578	789	1,578	1,315	2,630	
54 (16)	50	1,602	3,205	1,602	2,219	2,671	3,244	
68 (14)	50	1,640	3,244	1,640	3,205	2,733	3,244	
97 (12)	50	1,640	3,244	1,640	3,244	2,733	3,244	

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 previous publications effective May 22, 2023 | MW_ClipSourceCatalog | © WARE Industries, Inc. 2023