

RIGID CONNECTORS

RIGID CLIP CONNECTOR WITH HDW WASHER

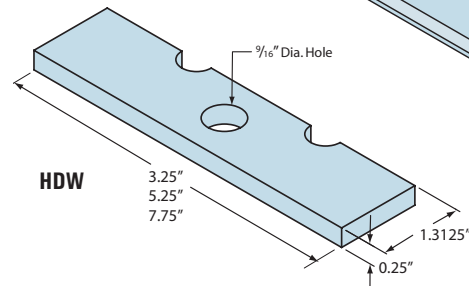
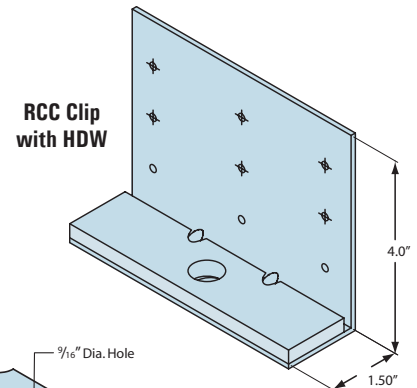
Rigid Clip Connectors (RCC) are used to rigidly attach the bottom of a parapet stud to the structure, or where high tension or rotational restraint is required.

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 x10 ⁹)							
	Thick-ness (mil/ga)	F _y (ksi)	RCC358		RCC600		RCC800	
No. of Screws			No. of Screws		No. of Screws			
			3	6	3	6	5	10
33 (20)	33	0.99	1.94	2.15	2.35	3.37	3.82	
		28.4	8.07	4.06	4.06	6.39	1.70	
43 (18)	33	0.99	1.94	2.15	2.35	3.37	3.82	
		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	
		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	
		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	
		28.4	8.07	4.06	4.06	6.39	1.70	

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

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

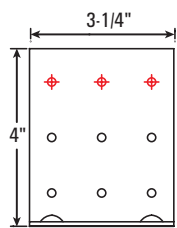
CFS Member	Allowable Strength (lbs)							
	Thick-ness (mils/Ga)	F _y (ksi)	RCC358		RCC600		RCC800	
No. of Screws			No. of Screws		No. of Screws			
			3	6	3	6	5	10
33 (20)	33	480	480	660	760	980	980	
43 (18)	33	480	480	660	760	980	980	
54 (16)	50	1,070	1,100	1,450	1,670	2,160	2,160	
68 (14)	50	1,070	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	

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

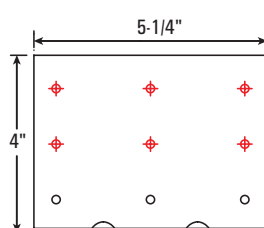
CFS Member	Allowable Strength (lbs)							
	Thickness (mils/Ga)	F _y (ksi)	RCC358		RCC600		RCC800	
No. of Screws			No. of Screws		No. of Screws			
			3	6	3	6	5	10
33 (20)	33	530	1,060	530	1,060	884	1,767	
43 (18)	33	789	1,578	789	1,578	1,315	2,630	
54 (16)	50	1,602	3,205	1,602	2,219	2,671	3,244	
68 (14)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

Notes:

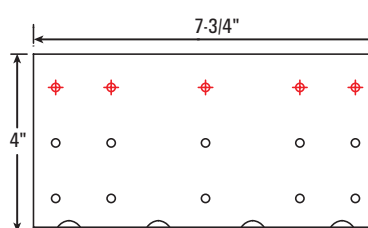
1. Tabulated values are based on #10-16 screws with ultimate shear capacity of 1,600 lbs per screw.
2. Allowable loads have not been increased for wind or seismic.
3. Tabulated loads are based on 1/2" diameter bolt with 1/2" Type A plain washer with a nominal outside diameter of 1.062" & nominal thickness 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, 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.



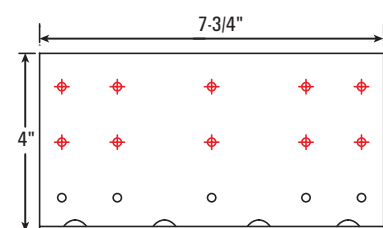
RCC358 & RCC600 with 3 screws pattern



RCC358 & RCC600 with 6 screws pattern



RCC800 with 5 screws pattern



RCC800 with 10 screws pattern

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