



stiffy

Fastener Options

Concrete Connections

Illustrations are not to scale.



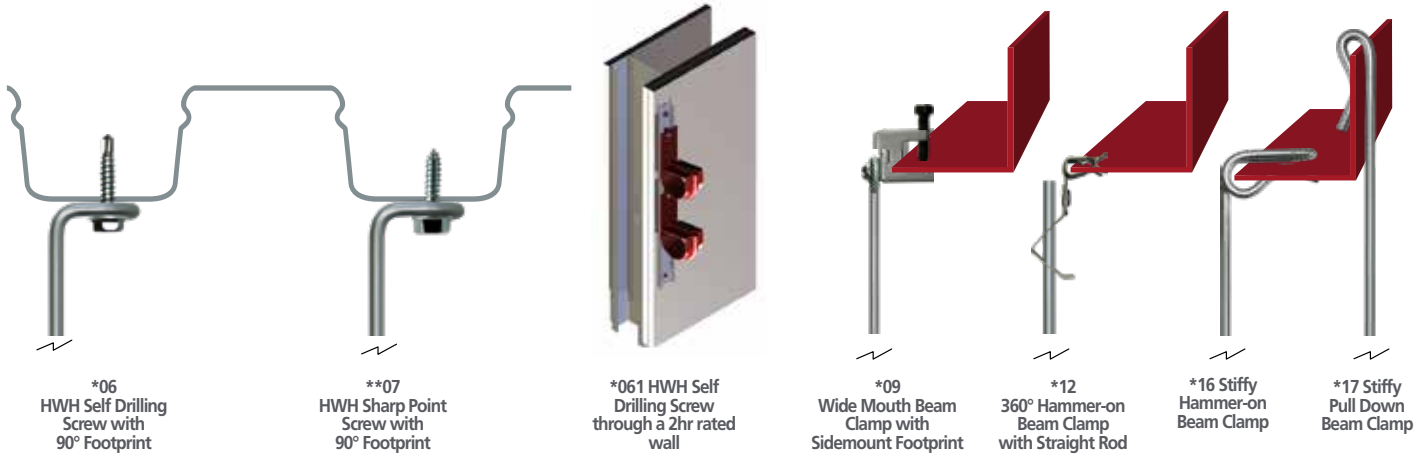
Option#	Description	Part #	Substrate	Embed.	Reference	Tension	Shear
*001	Powers 1" x 0.145" Smooth Shank (0.300" Head Dia.)	50090	3000psi NWC Concrete	3/4"	ESR-2024	95	125
*002	Powers 1" x 0.157" Spiral Shank (8mm Head Dia.)	50205	2500psi NWC Concrete			120	170
*01	Powers 1-1/4" x 0.145" Smooth Shank (0.300" Head Dia.)	50092	3000psi NWC Concrete	1"		130	155
			3000psi LWC Over 3" Metal Deck			120	290
*011	Powers 1-1/4" x 0.157" Spiral Shank (8mm Head Dia.)	50208	2500psi NWC Concrete			195	245
			3000psi LWC Over 1-1/2" Metal Deck			200	410
			3000psi LWC Over 3" Metal Deck	120		305	
*02	Powers 1-1/2" x 0.145" Smooth Shank (0.300" Head Dia.)	50094	3000psi NWC Concrete	1-1/4"		155	165
			3000psi LWC Over 3" Metal Deck			190	340
*021	Powers 1-1/2" x 0.157" Spiral Shank (8mm Head Dia.)	50207	2500psi NWC Concrete			310	385
			3000psi LWC Over 1-1/2" Metal Deck		210	415	
			3000psi LWC Over 3" Metal Deck		140	370	
*03	1/4" x 3-1/4" Powers SD1 Wedge Anchor	7404SD1	3000psi NWC Concrete		1-1/2"	ESR-2818	1449
			3000psi LWC Over 3" Metal Deck	869			601
*031	3/8" x 3" Powers SD1 Wedge Anchor	7413SD1	3000psi NWC Concrete	2"	435		490
			3000psi LWC Over 3" Metal Deck		261		294
*04	1/4" x 2-1/4" Tapcon Screw Anchor (1/4" Dia. Hole in Concrete Required)	24292	3000psi NWC Concrete	2"	ESR-2202	183	341
			3000psi LWC Over 3" Metal Deck			110	249
*041	3/8" x 3" Tapcon Screw Anchor (3/8" Dia. Hole in Concrete Required)	50403	3000psi NWC Concrete	2-3/4"		358	464
			3000psi LWC Over 3" Metal Deck			215	298
*13.1	PowderPuff Standoff with Powers 1" x 0.157" Spiral Shank (8mm Head Dia.)	50205	2500psi NWC Concrete	3/4"	ESR-2024	120	170
*13	PowderPuff Standoff with Powers 1-1/4" x 0.157" Spiral Shank (8mm Head Dia.)	50208	2500psi NWC Concrete	1"		195	245
			3000psi LWC Over 1-1/2" Metal Deck			200	410
			3000psi LWC Over 3" Metal Deck			120	305
*13.2	PowderPuff Standoff with Powers 1-1/2" x 0.157" Spiral Shank (8mm Head Dia.)	50207	2500psi NWC Concrete	1-1/4"		310	385
			3000psi LWC Over 1-1/2" Metal Deck			210	415
			3000psi LWC Over 3" Metal Deck			140	370

Footnotes:

1- Allowable loads listed are based on the capacities listed on the ICC report for the applicable substrate.

Steel Connections

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Option#	Description	Part #	Substrate		Tension	Shear
*06	#10 x 1-1/4" HWH Self Drilling Screw	HWHT10114	18g Sheet Metal	ESR-1408	148	326
			16g Sheet Metal		194	398
			14g Sheet Metal		280	412
*061	#14 x 2" HWH Self Drilling Screw	HWHT104400	18g Sheet Metal		107	288
			16g Sheet Metal		206	517
			14g Sheet Metal		281	613
*07	#10 x 1-1/4" HWH Sharp Point Screw	HWHS10114	20g Sheet Metal	Calcs	105	222
*09	WIDE MOUTH BEAM CLAMP	BC	1/2" Max Steel Flange	UL	100	
*12.1	360° HAMMER-ON BEAM CLAMP	70824	1/8" - 1/4" Steel Flange		200	
*12.2		70858	5/16" - 1/2" Steel Flange			
*12.3		708912	9/16" - 3/4" Steel Flange			
*16	STIFFY HAMMER-ON BEAM CLAMP	SFSH	1/8" - 3/4" Steel Flange		200	
*17	STIFFY PULL DOWN BEAM CLAMP	SFSPD	1/8" - 5/16" Steel Flange		233	



Wood Connections

Illustrations are not to scale.



***07**
HWH Sharp
Point Screw with
90° Footprint



***08**
Timberpin
with 90°
Footprint



***14**
Stiffy Wood
Pull Down
Footprint



***18**
Hex Lag
with 90°
Footprint



***18**
Hex Lag with
Sidemount
Footprint

Option#	Description	Part #	Substrate	Reference	Tension
*07	#10 x 1-1/4" HWH Sharp Point Screw	HWHS10114	2" x 4" Douglas Fir (3/4" Embedment)	Calcs	109
*08	CEAS Timberpin 2-1/2" x 0.169 Ring Shank Nail with 0.300" Head Diameter	SF90TP250	Min 5" x 11" Glulam Beam	UL	100
			Min 2" x 6" Douglas Fir		
*14	Stiffy Wood Pull Down Footprint	SFWPD	2" Nominal Lumber	UL	100
*18	1/4" X 2-1/2" Hex Lag	HLG14212	Douglas Fir or Glulam	Calcs	216