

MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)				Fastener Schedule					Metal Stud Member Mils (Gauge) ⁴	ASD		LRFD	
			W	H	D	CL	Min/ Max	Anchor Bolt ¹		Stud			Tension Load (lbs.)	Deflection (in)	Tension Load (lbs.)	Deflection (in)
								Qty	Dia (in)	Qty	Type ³					
S/PHD4	S/HDU4	14	2-3/8	7-3/4	3-1/4	1-3/8	Min	1	5/8	6	#14	2-33 (20Ga)	2255	0.080	3605	0.118
												2-43 (18Ga)	3165	0.104	5070	0.149
												2-54 (16Ga)	3955	0.132	6330	0.188
							Max	1	5/8	8	#14	2-33 (20Ga)	2960	0.088	4740	0.133
												2-43 (18Ga)	4375	0.076	7000	0.132
												2-54 (16Ga)	4595	0.122	7355	0.183
S/PHD6	S/HDU6	14	2-3/8	10-3/8	3-1/4	1-3/8	Min	1	5/8	12	#14	2-33 (20Ga)	4880	0.100	7805	0.173
												2-43 (18Ga)	5525	0.105	8840	0.161
												2-54 (16Ga)	6670	0.108	10670	0.188
							Max	1	5/8	14	#14	2-33 (20Ga)	5390	0.087	8620	0.166
												2-43 (18Ga)	6315	0.096	10105	0.157
												2-54 (16Ga)	6435	0.112	10300	0.183
S/PHD9	S/HDU9	12	2-3/8	12-3/4	3-1/4	1-3/8	--	1	7/8	18	#14	2-33 (20Ga)	6495	0.096	10390	0.154
												2-43 (18Ga)	8875	0.112	14195	0.191
												2-54 (16Ga)	10345	0.099	16345	0.152

1) The designer must specify the anchor bolt type, length and embedment.

2) Deflections are derived from static, monotonic load tests of device connected to a 2-ply cold-formed steel stud and include fastener slip, holdown elongation and anchor bolt elongation (L = 4").

3) #14 screws are self-drilling 0.250 inch diameter hardened washer-head screws with a minimum nominal shear strength of 3,050 pounds.

4) The designer must specify the metal stud size and mil thickness.