

### Load Tables

#### SUBH Bridge Clip Connector — Strength and Stiffness

Model No.	Stud Depth (in.)	Stud Thickness mils (ga.)	Laterally Loaded C-Stud		Axially Loaded C-Stud			
			Allowable Torsional Moment <sup>1</sup> (in.-lb.)		Allowable Brace Strength <sup>1,2</sup> (lb.)		Brace Stiffness <sup>3</sup> (lb./in.)	
			Min.	Max.	Min.	Max.	Min.	Max.
LSUBH3.25	3.50 or 3.625	33 (20)	215	330	155	275	2,300	2,685
		43 (18)	230	370	175	310	5,075	7,585
		54 (16)	225	370	195	345	5,075	8,100
SUBH3.25		33 (20)	320	345	230	370	1,450	1,985
		43 (18)	355	430	255	420	2,780	4,035
		54 (16)	420	455	290	475	2,925	3,975
MSUBH3.25	54 (16)	550	800	435	630	3,440	4,015	
	68 (14)	640	860	485	695	4,040	6,145	
	97 (12)	670	860	515	770	6,860	14,265	
LSUBH3.25	6.00	33 (20)	225	330	120	140	670	730
		43 (18)	250	395	155	285	1,010	2,075
		54 (16)	265	395	180	330	1,025	2,565
SUBH3.25		33 (20)	275	385	110	110	605	605
		43 (18)	295	525	230	250	1,050	1,205
		54 (16)	350	550	275	415	1,130	1,700
MSUBH3.25	54 (16)	565	895	385	430	1,630	1,695	
	68 (14)	655	925	455	620	1,860	2,655	
	97 (12)	690	960	505	765	4,070	4,090	
LSUBH3.25	8.00	43 (18)	235	375	135	135	815	815
		54 (16)	250	375	180	260	1,130	1,130
SUBH3.25		43 (18)	255	570	190	190	505	535
		54 (16)	325	605	250	300	895	1,025
MSUBH3.25		54 (16)	545	890	270	270	1,025	1,045
		68 (14)	635	925	435	455	1,400	1,400
	97 (12)	665	955	545	545	2,465	2,465	
MSUBH3.25	10, 12	54 (16)	—	820	—	200	—	510

1. Allowable loads are for use when utilizing Allowable Stress Design methodology. For LRFD loads multiply the ASD tabulated values by 1.6.
2. Allowable brace strengths are based on ultimate test load divided by a safety factor. Serviceability limit is not considered, as brace stiffness requirements are given in section C2.3 of AISI S100-2016. **Contact Simpson Strong-Tie** if nominal brace strength is required.
3. Tabulated stiffness values apply to both ASD and LRFD designs.
4. Allowable loads consider bridging connection only. It is responsibility of the designer to verify the strength and serviceability of the framing members.
5. "Min." fastener quantity and tabulated values — fill round hole (one screw total); "Max." fastener quantity and tabulated values — fill round and triangle holes (two screws total).