SUGGESTED DESIGN GUIDES
ALLOWABLE AXIAL LOAD CAPACITIES
BRACED STUDS SUBJECTED TO LATERAL LOAD
P_{ALLOW}, KIPS (1,000 LBS) PER STUD

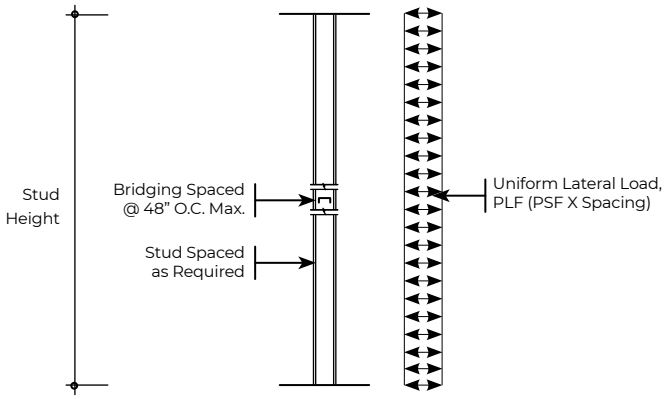
USE:

Tables allow for the selection of an axially loaded stud in the absence or presence of bending due to lateral load. The values assume the studs are typically bridged at intervals not to exceed 48" on center with alternative labor saving values published for 9 and 10 foot high walls where a single row of bridging at mid-height of the wall would suffice.

Select a stud, based on applied lateral load, spacing and height providing an allowable axial load in excess of the applied load.

NOTES:

1. The tabulated values represent the least allowable axial load of the stud in the presence of lateral load or in the absence of lateral load.
2. Values shown are limited to studs used in a simply supported application. Conditions involving cantilevers, concentrated loads, eccentricities, multiple spans, etc. should be investigated separately. The values assume the axial load is applied concentrically to the member.
3. Values are based on the installation of mechanical bridging spaced at intervals not to exceed 48" on center (columns denoted 48) with the exception of the columns entitled 9FT/MID and 10FT/MID where a single row of bridging may be installed at mid-height of the wall.
4. Stud ends shall be restrained against twisting (torsion) by means of a fixed attachment to each side of continuous track.



Deflections due to lateral load meet L/720 unless noted as follows:
a. values followed by the subscript 6 (x.xx6) meet L/600 deflection
b. values followed by the subscript 3 (x.xx3) meet L/360 deflection
c. values followed by the subscript 2 (x.xx2) meet L/240 deflection
d. values have been omitted where deflection exceeds L/240 deflection
Lateral load deflections were calculated without regard to the composite contribution of sheathing or finishes.

5. Contact Super Stud for axial load capacities of sections not shown herein.

Note: All tables based on Fy=50 KSI for 54, 68, and 97 mil material, Fy=33 KSI for 33 and 43 mil material.

SUGGESTED DESIGN GUIDES
ALLOWABLE AXIAL LOAD CAPACITIES
BRACED STUDS SUBJECTED TO LATERAL LOAD
KIPS (1,000 LBS) PER STUD

5 PSF

AISI Designation	Legacy Designation	BRIDGING SPACED 48" ON CENTER															
		8FT		9FT		10FT		11FT		12FT		14FT		16FT		18FT	
		16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"
350S137-33	3-1/2SSC20	1.85	1.85	1.79	1.72	1.72	1.49[c]	1.52	1.25[b]	1.30[c]	1.02[b]	0.90[b]	0.61[a]	0.59[a]			
350S162-33	3-1/2SSJ20	2.19	2.19	2.11	2.11	2.02	1.86	1.87	1.59[c]	1.61[c]	1.32[b]	1.14[b]	0.84[a]	0.78[a]			
350S137-43	3-1/2SSC18	2.49	2.49	2.42	2.42	2.32	2.19	2.19	1.88[c]	1.90	1.58[b]	1.37[b]	1.04[a]	0.94[a]			
350S162-43	3-1/2SSJ18	3.03	3.03	2.92	2.92	2.80	2.80	2.65	2.45	2.43	2.09[c]	1.78[b]	1.43[b]	1.26[b]	0.93[a]	0.88[a]	
350S137-54	3-1/2SSC16	3.67	3.67	3.45	3.45	3.20	3.20	2.94	2.94	2.69	2.56[c]	2.13[c]	1.83[b]	1.57[b]	1.28[a]	1.15[a]	
350S162-54	3-1/2SSJ16	4.60	4.60	4.27	4.27	3.93	3.93	3.57	3.57	3.23	3.23	2.64[c]	2.38[b]	2.01[b]	1.71[a]	1.51[a]	
350S137-68	3-1/2SSC14	4.41	4.41	4.13	4.13	3.83	3.83	3.52	3.52	3.21	3.19	2.64	2.32[b]	1.97[b]	1.65[a]	1.47[a]	
350S162-68	3-1/2SSJ14	5.61	5.61	5.19	5.19	4.74	4.74	4.30	4.30	3.90	3.90	3.18	3.04[b]	2.55[b]	2.23[b]	1.94[b]	1.64[a]
362S137-33	3-5/8SSC20	1.89	1.89	1.84	1.81	1.78	1.58	1.61	1.35[b]	1.40[c]	1.11[b]	0.99[b]	0.69[a]	0.66[a]			
362S162-33	3-5/8SSJ20	2.24	2.24	2.17	2.17	2.09	1.97	1.98	1.70[c]	1.73	1.43[b]	1.25	0.94[a]	0.87[a]			
362S137-43	3-5/8SSC18	2.56	2.56	2.49	2.49	2.40	2.32	2.30	2.02	2.05	1.72[b]	1.50[b]	1.16[a]	1.05[a]	0.72[a]		
362S162-43	3-5/8SSJ18	3.11	3.11	3.01	3.01	2.90	2.90	2.76	2.61	2.60	2.25[c]	1.94[c]	1.58[b]	1.40[b]	1.05[a]	0.99[a]	
362S200-43	3-5/8SJW18	3.74	3.74	3.62	3.62	3.47	3.47	3.31	3.30	3.12	2.89	2.48[c]	2.09[b]	1.82[b]	1.45[a]	1.33[a]	
362S137-54	3-5/8SSC16	3.84	3.84	3.63	3.63	3.40	3.40	3.16	3.16	2.91	2.81[c]	2.35[c]	2.03[b]	1.74[b]	1.43[a]	1.29[a]	
362S162-54	3-5/8SSJ16	4.81	4.81	4.51	4.51	4.17	4.17	3.83	3.83	3.50	3.50	2.87	2.62[b]	2.22[b]	1.90[a]	1.67[a]	
362S200-54	3-5/8SJW16	6.20	6.20	5.80	5.80	5.34	5.34	4.84	4.84	4.38	4.38	3.56	3.46[c]	2.88[c]	2.55[b]	2.20[b]	1.88[a]
362S137-68	3-5/8SSC14	4.68	4.68	4.41	4.41	4.10	4.10	3.79	3.79	3.47	3.47	2.88	2.56[b]	2.18[b]	1.84[a]	1.63[b]	1.31[a]
362S162-68	3-5/8SSJ14	5.97	5.97	5.57	5.57	5.11	5.11	4.65	4.65	4.22	4.22	3.46	3.35[c]	2.81[c]	2.47[b]	2.15[b]	1.82[a]
362S200-68	3-5/8SJW14	7.68	7.68	7.15	7.15	6.54	6.54	5.89	5.89	5.29	5.29	4.29	4.29	3.51	3.30[b]	2.83[b]	2.49[a]
362S200-97	3-5/8SJW12	9.81	9.81	9.13	9.13	8.34	8.34	7.53	7.53	6.79	6.79	5.52	5.52	4.51	4.51[c]	3.73[c]	3.50[b]
400S137-33	4SSC20	2.00	2.00	1.96	1.96	1.91	1.83	1.86	1.61	1.67	1.38[b]	1.26[b]	0.95[a]	0.89[a]	0.60[a]		
400S162-33	4SSJ20	2.36	2.36	2.31	2.31	2.25	2.25	2.18	2.01	2.05	1.75[c]	1.58[b]	1.25[b]	1.14[b]	0.81[a]	0.80[a]	
400S137-43	4SSC18	2.71	2.71	2.66	2.66	2.60	2.60	2.52	2.39	2.43	2.10[c]	1.90[c]	1.52[b]	1.39[b]	1.02[a]	0.99[a]	
400S162-43	4SSJ18	3.29	3.29	3.22	3.22	3.13	3.13	3.03	3.03	2.91	2.71	2.42	2.03[b]	1.82[b]	1.43[a]	1.33[b]	0.96[a]
400S200-43	4SJW18	3.96	3.96	3.86	3.86	3.75	3.75	3.62	3.62	3.47	3.42	3.05	2.64[c]	2.34[c]	1.92[b]	1.74[b]	1.34[a]
400S137-54	4SSC16	4.25	4.25	4.09	4.09	3.89	3.89	3.66	3.66	3.42	3.42	2.94	2.63[b]	2.30[b]	1.94[b]	1.74[b]	1.39[a]
400S162-54	4SSJ16	5.31	5.31	5.09	5.09	4.82	4.82	4.50	4.50	4.15	4.15	3.50	3.36[c]	2.88[c]	2.52[b]	2.22[b]	1.87[a]
400S200-54	4SJW16	6.80	6.80	6.49	6.49	6.13	6.13	5.70	5.70	5.22	5.22	4.33	4.33	3.60	3.32[b]	2.88[b]	2.51[a]
400S137-68	4SSC14	5.36	5.36	5.16	5.16	4.91	4.91	4.63	4.63	4.29	4.29	3.62	3.38[c]	2.88[c]	2.48[b]	2.19[b]	1.81[a]
400S162-68	4SSJ14	6.77	6.77	6.49	6.49	6.14	6.14	5.72	5.72	5.27	5.27	4.36	4.36	3.60	3.28[b]	2.84[b]	2.45 [b]
400S200-68	4SJW14	8.60	8.60	8.21	8.21	7.75	7.75	7.21	7.21	6.59	6.59	5.40	5.40	4.42	4.32[c]	3.66[c]	3.29[b]
400S200-97	4SJW12	11.37	11.37	10.81	10.81	10.14	10.14	9.37	9.37	8.51	8.51	6.96	6.96	5.71	5.71	4.73	4.60[b]
550S137-33	5-1/2SSC20	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.07	1.79	1.77	1.42[b]	1.43[b]	1.04[a]
550S162-33	5-1/2SSJ20	2.59	2.59	2.58	2.58	2.56	2.56	2.54	2.54	2.51	2.51	2.43	2.23	2.17	1.81[b]	1.79[b]	1.38[b]
550S137-43	5-1/2SSC18	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.84	2.69	2.63	2.22[c]	2.19[c]	1.73[b]
550S162-43	5-1/2SSJ18	3.67	3.67	3.64	3.64	3.61	3.61	3.57	3.57	3.53	3.53	3.40	3.40	3.22	2.87	2.77	2.30[b]
550S137-54	5-1/2SSC16	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.48	4.48	4.08	3.98	3.61	3.17[b]
550S162-54	5-1/2SSJ16	6.32	6.32	6.24	6.24	6.15	6.15	6.03	6.03	5.89	5.89	5.49	5.49	4.96	4.96	4.31	4.08[c]
550S137-68	5-1/2SSC14	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.25	5.25	4.66	4.24[c]
550S162-68	5-1/2SSJ14	8.07	8.07	8.07	8.07	7.97	7.97	7.82	7.82	7.63	7.63	7.13	7.13	6.44	6.44	5.61	5.52
600S137-33	6SSC20	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	1.95	1.98	1.65[c]	1.67[c]	1.29[b]
600S162-33	6SSJ20	2.61	2.61	2.61	2.61	2.61	2.61	2.59	2.59	2.57	2.57	2.51	2.45	2.42	2.07[c]	2.06	1.66[b]
600S137-43	6SSC18	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.52	2.52	2.07[b]
600S162-43	6SSJ18	3.69	3.69	3.69	3.69	3.69	3.69	3.66	3.66	3.62	3.62	3.53	3.53	3.39	3.23	3.16	2.70[c]
600S200-43	62JW18	4.48	4.48	4.45	4.45	4.42	4.42	4.39	4.39	4.34	4.34	4.20	4.20	4.02	4.02	3.80	3.43
600S137-54	6SSC16	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.07	3.80[c]
600S162-54	6SSJ16	6.31	6.31	6.31	6.31	6.31	6.31	6.27	6.27	6.16	6.16	5.87	5.87	5.45	5.45	4.91	4.89
600S200-54	6SJW16	8.28	8.28	8.18	8.18	8.07	8.07	7.92	7.92	7.75	7.75	7.31	7.31	6.75	6.75	6.07	6.07
600S137-68	6SSC14	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.05
600S162-68	6SSJ14	8.05	8.05	8.05	8.05	8.05	8.05	8.05	8.05	8.01	8.01	7.64	7.64	7.10	7.10	6.40	6.40
600S200-68	6SJW14	10.69	10.69	10.57	10.57	10.42	10.42	10.24	10.24	10.03	10.03	9.47	9.47	8.75	8.75	7.87	7.87
600S200-97	6SJW12	15.49	15.49	15.34	16.34	15.14	15.14	14.90	14.90	14.60	14.60	13.81	13.81	12.76	12.76	11.47	11.47
800S162-43	8SSJ18	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62
800S200-43	8SJW18	4.56	4.56	4.56	4.56	4.56	4.56	4.56	4.56	4.56	4.56	4.52	4.52	4.45	4.45	4.35	4.35
800S162-54	8SSJ16	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10
800S200-54	8SJW16	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.33	8.33	8.08	8.08	7.73	7.73
800S162-68	8SSJ14	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76
800S200-68	8SJW14	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.81	10.81	10.48	10.48	10.05	10.05
800S162-97	8SSJ12	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15
800S200-97	8SJW12	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.41	15.41	14.80	14.80

AISI Designation	Legacy Designation	BRIDGING AT MID-HEIGHT			
		9FT		10FT	
		16"	24"	16"	24"
350S137-33	3-1/2SSC20	1.61	1.54	1.36	1.15[c]
350S162-33	3-1/2SSJ20	1.94	1.94	1.66	1.53
350S137-43	3-1/2SSC18	2.19	2.19	1.86	1.73
350S162-43	3-1/2SSJ18	2.70	2.70	2.34	2.34
350S137-54	3-1/2SSC16	2.98	2.98	2.48	2.48
350S162-54	3-1/2SSJ16	3.74	3.74	3.08	3.08
350S137-68	3-1/2SSC14	3.63	3.63	3.07	3.07
350S162-68	3-1/2SSJ14	4.56	4.56	3.79	3.79
362S137-33	3-5/8SSC20	1.67	1.62	1.42	1.23
362S162-33	3-5/8SSJ20	2.00	2.00	1.74	1.63
362S137-43	3-5/8SSC18	2.26	2.26	1.94	1.84
362S162-43	3-5/8SSJ18	2.80	2.80	2.45	2.45
362S200-43	3-5/8SJW18	3.40	3.40	3.02	3.02
362S137-54	3-5/8SSC16	3.17	3.17	2.64	2.64
362S162-54	3-5/8SSJ16	3.96	3.96	3.30	3.30
362S200-54	3-5/8SJW16	5.21	5.21	4.32	4.32
362S137-68	3-5/8SSC14	3.85	3.85	3.25	3.25
362S162-68	3-5/8SSJ14	4.87	4.87	4.05	4.05
362S200-68	3-5/8SJW14	6.37	6.37	5.22	5.22
362S200-97	3-5/8SJW12	8.20	8.20	6.85	6.85
400S137-33	4SSC20	1.80	1.80	1.57	1.46
400S162-33	4SSJ20	2.16	2.16	1.93	1.91
400S137-43	4SSC18	2.45	2.45	2.15	2.15
400S162-43	4SSJ18	3.02	3.02	2.72	2.72
400S200-43	4SJW18	3.67	3.67	3.34	3.34
400S137-54	4SSC16	3.55	3.55	3.00	3.00
400S162-54	4SSJ16	4.53	4.53	3.80	3.80
400S200-54	4SJW16	5.95	5.95	5.02	5.02
400S137-68	4SSC14	4.40	4.40	3.56	3.56
400S162-68	4SSJ14	5.80	5.80	4.35	4.85
400S200-68	4SJW14	7.52	7.52	6.35	6.35
400S200-97	4SJW12	8.86	9.86	8.31	8.31
550S137-33	5-1/2SSC20	1.93	1.93	1.71	1.71
550S162-33	5-1/2SSJ20	2.47	2.47	2.30	2.30
550S137-43	5-1/2SSC18	2.60	2.60	2.29	2.29
550S162-43	5-1/2SSJ18	3.47	3.47	3.24	3.24
550S137-54	5-1/2SSC16	3.73	3.73	3.12	3.12
550S162-54	5-1/2SSJ16	5.75	5.75	5.08	5.08
550S137-68	5-1/2SSC14	4.38	4.38	3.67	3.67
550S162-68	5-1/2SSJ14	7.25	7.25	6.32	6.32
600S137-33	6SSC20	1.91	1.91	1.68	1.68
600S162-33	6SSJ20	2.49	2.49	2.32	2.32
600S137-43	6SSC18	2.57	2.57	2.25	2.25
600S162-43	6SSJ18	3.48	3.48	3.25	3.25
600S200-43	62JW18	4.32	4.32	4.12	4.12
600S137-54	6SSC16	3.65	3.65	3.07	3.07
600S162-54	6SSJ16	5.71	5.71	5.02	5.02
600S200-54	6SJW16	7.77	7.77	7.21	7.21
600S137-68	6SSC14	4.31	4.31	3.63	3.63
600S162-68	6SSJ14	7.20	7.20	6.24	6.24
600S200-68	6SJW14	10.03	10.03	9.31	9.31
600S200-97	6SJW12	14.53	14.53	13.49	13.49
800S162-43	8SSJ18	3.40	3.40	3.14	3.14
800S200-43	8SJW18	4.42	4.42	4.24	4.24
800S162-54	8SSJ16	5.42	5.42	4.65	4.65
800S200-54	8SJW16	8.03	8.03	7.51	7.51
800S162-68	8SSJ14	6.81	6.81	5.77	5.77
800S200-68	8SJW14	10.31	10.31	9.60	9.60
800S162-97	8SSJ12	8.44	8.44	7.11	7.11
800S200-97	8SJW12	14.54	14.54	13.31	13.31

Superscripts:
a meets L/240 deflection
b meets L/360 deflection
c meets L/600 deflection
No superscript: meets L/720 deflection

Flange Width: SSC=1 3/8", SSJ=1-5/8", SJW=2" and SSW=2-1/2"

See page 28 for additional table notes.

SUGGESTED DESIGN GUIDES
ALLOWABLE AXIAL LOAD CAPACITIES
BRACED STUDS SUBJECTED TO LATERAL LOAD
KIPS (1,000 LBS) PER STUD

20 PSF

AISI Designation	Legacy Designation	BRIDGING SPACED 48" ON CENTER															
		8FT		9FT		10FT		11FT		12FT		14FT		16FT		18FT	
		16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"
350S137-33	3-1/2SSC20	1.18[b]	0.65[a]	0.84[b]	0.25[a]	0.51[a]											
350S162-33	3-1/2SSJ20	1.58[b]	1.03[b]	1.20[b]	0.57[a]	0.83[a]											
350S137-43	3-1/2SSC18	1.90[c]	1.31[b]	1.48[b]	0.81[a]	1.07[a]	0.69[a]										
350S162-43	3-1/2SSJ18	2.59	1.97[b]	2.11[b]	1.40[a]	1.64[b]	0.88[a]	1.19[a]									
350S137-54	3-1/2SSC16	3.54	2.96[b]	2.96[b]	2.31[b]	2.39[b]	1.70[a]	1.88[a]	1.42[a]								
350S162-54	3-1/2SSJ16	4.60	4.13[c]	4.01[c]	3.33[b]	3.31[b]	2.58[a]	2.66[b]	1.92[a]	2.10[a]							
350S137-68	3-1/2SSC14	4.41	3.83[c]	3.77[c]	3.06[b]	3.11[b]	2.35[a]	2.49[b]	1.71[a]	1.95[a]							
350S162-68	3-1/2SSJ14	5.61	5.39	5.16	4.43[b]	4.31[b]	3.53[b]	3.54[b]	2.74[a]	2.86[a]							
362S137-33	3-5/8SSC20	1.27[b]	0.75[b]	0.93[b]	0.34[a]	0.60[a]											
362S162-33	3-5/8SSJ20	1.69[c]	1.14[b]	1.31[b]	0.68[a]	0.93[a]	0.59[a]										
362S137-43	3-5/8SSC18	2.03[c]	1.43[b]	1.61[b]	.93[a]	1.20[b]	0.46[a]	0.81[a]									
362S162-43	3-5/8SSJ18	2.73	2.12[b]	2.26[b]	1.56[b]	1.79[b]	1.02[a]	1.34[a]	0.93[a]								
362S200-43	3-5/8SJW18	3.54	2.90[c]	3.02[c]	2.28[b]	2.48[b]	1.67[a]	1.96[b]	1.10[a]	1.48[a]							
362S137-54	3-5/8SSC16	3.78	3.19[b]	3.20[c]	2.53[b]	2.63[b]	1.91[a]	2.10[a]	1.62[a]								
362S162-54	3-5/8SSJ16	4.81	4.42[c]	4.32[c]	3.62[b]	3.60[b]	2.85[a]	2.94[b]	2.17[a]	2.35[a]							
362S200-54	3-5/8SJW16	6.20	6.12	5.80	5.14[b]	4.98[c]	4.16[b]	4.11[b]	3.27[a]	3.35[a]							
362S137-68	3-5/8SSC14	4.68	4.16[c]	4.11	3.38[b]	3.42[b]	2.63[a]	2.77[b]	1.96[a]	2.19[a]							
362S162-68	3-5/8SSJ14	5.97	5.83	5.57	4.86[b]	4.73[c]	3.92[b]	3.91[b]	3.07[a]	3.19[b]	2.35[a]						
362S200-68	3-5/8SJW14	7.68	7.68	7.15	6.83[c]	6.51	5.64[b]	5.43[b]	4.54[b]	4.49[b]	3.60[a]	3.02[a]					
362S200-97	3-5/8SJW12	9.81	9.81	9.13	9.13	8.34	7.95[c]	7.53	6.58[b]	6.37[b]	5.38[b]	4.47[a]	3.10[a]				
400S137-33	4SSC20	1.52[c]	1.01[b]	1.19[b]	0.60[a]	0.86[b]	0.21[a]	0.54[a]									
400S162-33	4SSJ20	1.97	1.44[b]	1.61[b]	0.99[b]	1.24[b]	0.56[a]	0.88[a]									
400S137-43	4SSC18	2.35	1.78[c]	1.96[c]	1.29[b]	1.56[b]	0.81[a]	1.16[a]	0.78[a]								
400S162-43	4SSJ18	3.10	2.52[c]	2.67	1.98[b]	2.22[b]	1.44[a]	1.77[b]	0.93[a]	1.33[a]							
400S200-43	4SJW18	3.96	3.37	3.49	2.77[b]	2.98[c]	2.17[b]	2.47[b]	1.58[a]	1.97[a]							
400S137-54	4SSC16	4.25	3.82	3.86	3.18[b]	3.28[b]	2.53[b]	2.71[b]	1.91[a]	2.18[a]							
400S162-54	4SSJ16	5.31	5.19	5.09	4.44[c]	4.46[c]	3.67[b]	3.75[b]	2.91[a]	3.09[b]	2.23[a]						
400S200-54	4SJW16	6.80	6.80	6.49	6.15[c]	6.05	5.20[b]	5.18[b]	4.27[b]	4.33[b]	3.40[a]	2.92[a]					
400S137-68	4SSC14	5.36	5.07	5.08	4.31[c]	4.38[c]	3.52[b]	3.68[b]	2.76[a]	3.01[b]	2.07[a]	1.87[a]					
400S162-68	4SSJ14	6.77	6.77	6.49	6.05	5.99	5.10[b]	5.11[b]	4.17[b]	4.27[b]	3.31[a]	2.85[a]					
400S200-68	4SJW14	8.60	8.60	8.21	8.21	7.75	7.12[c]	6.98[c]	5.97[b]	5.91[b]	4.88[b]	4.09[a]					
400S200-97	4SJW12	11.37	11.37	10.81	10.81	10.14	10.12	9.37	8.63[c]	8.32[c]	7.19[b]	5.96[b]	4.85[a]	4.23[a]			
550S137-33	5-1/2SSC20	2.07	1.71	1.86	1.41[c]	1.63	1.08[b]	1.37[b]	0.74[b]	1.10[b]	0.39[a]	0.54[a]					
550S162-33	5-1/2SSJ20	2.59	2.27	2.42	1.93	2.15	1.57[b]	1.86[c]	1.19[b]	1.55[b]	0.80[a]	0.92[a]					
550S137-43	5-1/2SSC18	2.87	2.61	2.77	2.28	2.51	1.91[c]	2.22	1.52[b]	1.91[b]	1.11[b]	1.25[a]	0.59[a]				
550S162-43	5-1/2SSJ18	3.67	3.60	3.64	3.21	3.43	2.79	3.08	2.33[b]	2.71[c]	1.86[b]	1.93[b]	0.94[a]	1.18			
550S137-54	5-1/2SSC16	4.50	4.50	4.50	4.48	4.50	4.09	4.38	3.66[c]	4.04[c]	3.20[b]	3.25[b]	2.22[a]	2.28[a]			
550S162-54	5-1/2SSJ16	6.32	6.32	6.24	6.24	6.15	6.05	6.03	5.44[c]	5.70	4.79[b]	4.52[b]	3.45[a]	3.34[a]			
550S137-68	5-1/2SSC14	5.32	5.32	5.32	5.32	5.32	5.13	5.32	4.67	5.06	4.17[b]	4.22[b]	3.11[a]	3.27[a]	2.21[a]		
550S162-68	5-1/2SSJ14	8.07	8.07	8.07	8.07	7.97	7.97	7.82	7.51	7.63	6.72[c]	6.30[c]	5.07[b]	4.80[b]	3.51[a]	3.46[a]	
600S137-33	6SSC20	2.10	1.83	1.96	1.56	1.76	1.27[c]	1.53[c]	0.96[b]	1.29[b]	0.64[b]	0.78[a]					
600S162-33	6SSJ20	2.61	2.43	2.58	2.14	2.34	1.82[c]	2.08	1.46[b]	1.80[c]	1.10[b]	1.21[b]	0.36[a]	0.62[a]			
600S137-43	6SSC18	2.85	2.74	2.85	2.45	2.66	2.13	2.41	1.78[c]	2.14[c]	1.40[b]	1.54[b]	0.63[a]	0.92[a]			
600S162-43	6SSJ18	3.69	3.69	3.69	3.46	3.68	3.10	3.37	2.69[c]	3.04	2.25[b]	2.32[b]	1.35[a]	1.58[a]			
600S200-43	62JW18	4.48	4.48	4.45	4.44	4.42	4.04	4.31	3.60	3.95	3.12[c]	3.14[b]	2.13[b]	2.31[b]	1.17[a]	1.53[a]	
600S137-54	6SSC16	4.42	4.42	4.42	4.42	4.42	4.28	4.42	3.91	4.25	3.51[b]	3.58[b]	2.63[b]	2.84[b]	1.73[a]	1.97[a]	
600S162-54	6SSJ16	6.31	6.31	6.31	6.31	6.31	6.31	6.27	6.01	6.16	5.43[c]	5.22[c]	4.17[b]	4.09[b]	2.92[a]	3.00[a]	
600S200-54	6SJW16	8.28	8.28	8.18	8.18	8.07	8.07	7.92	7.92	7.75	7.42	7.03	5.92[b]	5.65[b]	4.42[a]	4.33[a]	
600S137-68	6SSC14	5.23	5.23	5.23	5.23	5.23	5.23	5.23	4.91	5.23	4.49[c]	4.55[c]	3.54[b]	3.75[b]	2.55[a]	2.91[a]	
600S162-68	6SSJ14	8.05	8.05	8.05	8.05	8.05	8.05	8.05	8.05	8.01	7.54	7.22	6.02[b]	5.80[b]	4.46[a]	4.41[a]	
600S200-68	6SJW14	10.69	10.69	10.57	10.57	10.42	10.42	10.24	10.24	10.03	10.03	9.47	8.37[b]	7.90[b]	6.50[b]	6.21[b]	4.77[a]
600S200-97	6SJW12	15.49	15.49	15.34	15.34	15.14	15.14	14.90	14.90	14.60	14.60	13.81	13.20	12.30	10.57[b]	9.87[b]	8.08[b]
800S162-43	8SSJ18	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.42	3.62	3.14	3.25	2.51[c]	2.74[c]	1.82[b]	2.18[b]	1.09[a]
800S200-43	8SJW18	4.56	4.56	4.56	4.56	4.56	4.56	4.56	4.56	4.56	4.25	4.32	3.53	3.71	2.73[b]	3.04[b]	1.88[a]
800S162-54	8SSJ16	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	5.74	5.93	4.95[b]	5.26[b]	4.07[b]
800S200-54	8SJW16	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.33	8.33	8.08	7.23[c]	7.25[c]	5.97[b]
800S162-68	8SSJ14	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	6.88[c]	7.20[c]	5.88[b]
800S200-68	8SJW14	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.81	10.81	10.48	10.10	10.01	8.59[b]
800S162-97	8SSJ12	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	9.78	10.11	8.64[c]
800S200-97	8SJW12	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.41	15.41	14.80	13.86

AISI Designation	Legacy Designation	BRIDGING AT MID-HEIGHT			
		9FT		10FT	
		16"	24"	16"	24"
350S137-33	3-1/2SSC20	0.71[b]	0.15[a]	0.30[a]	
350S162-33	3-1/2SSJ20	1.08[b]	0.49[a]	0.63[a]	
350S137-43	3-1/2SSC18	1.30[b]	0.65[a]	0.75[a]	
350S162-43	3-1/2SSJ18	1.93[b]	1.26[a]	1.32[a]	0.63[a]
350S137-54	3-1/2SSC16	2.52[b]	1.91[b]	1.72[b]	1.10[a]
350S162-54	3-1/2SSJ16	3.51[c]	2.89[b]	2.56[b]	1.94[a]
350S137-68	3-1/2SSC14	3.26[c]	2.60[b]	2.33[b]	1.63[a]
350S162-68	3-1/2SSJ14	4.53	3.87[b]	3.41[b]	2.74[b]
362S137-33	3-5/8SSC20	0.80[b]	0.23[a]	0.37[a]	
362S162-33	3-5/8SSJ20	1.18[b]	0.59[a]	0.73[a]	
362S137-43	3-5/8SSC18	1.42[b]	0.77[a]	0.86[b]	0.19[a]
362S162-43	3-5/8SSJ18	2.08[b]	1.40[b]	1.46[b]	0.76[a]
362S200-43	3-5/8SJW18	2.83[c]	2.12[b]	2.15[b]	1.41[a]
362S137-54	3-5/8SSC16	2.74[c]	2.12[b]	1.90[b]	1.25[a]
362S162-54	3-5/8SSJ16	3.79[c]	3.16[b]	2.81[b]	2.17[a]
362S200-54	3-5/8SJW16	5.21	4.64[b]	4.09[c]	3.40[b]
362S137-68	3-5/8SSC14	3.53	2.85[b]	2.55[b]	1.83[a]
362S162-68	3-5/8SSJ14	4.87	4.24[b]	3.72[c]	3.03[b]
362S200-68	3-5/8SJW14	6.37	6.12[c]	5.22	4.56
362S200-97	3-5/8SJW12	8.20	8.20	6.85	6.57[c]
400S137-33	4SSC20	1.04[b]	0.48[a]	0.59[b]	
400S162-33	4SSJ20	1.48[b]	0.89[b]	1.00[b]	0.38[a]
400S137-43	4SSC18	1.75[c]	1.11[b]	1.17[b]	0.48[a]
400S162-43	4SSJ18	2.48	1.81[b]	1.86[b]	1.14[a]
400S200-43	4SJW18	3.30	2.61[b]	2.64[c]	1.89[b]
400S137-54	4SSC16	3.28	2.66[b]	2.38[b]	1.70[b]
400S162-54	4SSJ16	4.53	3.91[c]	3.47[c]	2.79[b]
400S200-54	4SJW16	5.95	5.65[c]	5.01	4.29[b]
400S137-68	4SSC14	4.27	3.57[c]	3.03[c]	2.31[b]
400S162-68	4SSJ14	5.80	5.37	4.70	3.94[b]
400S200-68	4SJW14	7.52	7.52	6.35	5.87[c]
400S200-97	4SJW12	9.86	9.86	8.31	8.31
550S137-33	5-1/2SSC20	1.65	1.22[c]	1.22	0.73[b]
550S162-33	5-1/2SSJ20	2.28	1.81	1.86	1.31[b]
550S137-43	5-1/2SSC18	2.47	2.00	1.90	1.37[c]
550S162-43	5-1/2SSJ18	3.47	3.01	3.00	2.39
550S137-54	5-1/2SSC16	3.73	3.63	3.11	2.62
550S162-54	5-1/2SSJ16	5.75	5.75	5.08	4.85
550S137-68	5-1/2SSC14	4.38	4.38	3.67	3.28
550S162-68	5-1/2SSJ14	7.25	7.25	6.32	6.32
600S137-33	6SSC20	1.74	1.36	1.32	0.88[c]
600S162-33	6SSJ20	2.43	2.00	2.03	1.53[c]
600S137-43	6SSC18	2.57	2.15	2.01	1.54
600S162-43	6SSJ18	3.48	3.23	3.18	2.63
600S200-43	62JW18	4.32	4.29	4.12	3.71
600S137-54	6SSC16	3.65	3.65	3.07	2.75
600S162-54	6SSJ16	5.71	5.71	5.02	5.02
600S200-54	6SJW16	7.77	7.77	7.21	7.21
600S137-68	6SSC14	4.31	4.31	3.63	3.42
600S162-68	6SSJ14	7.20	7.20	6.24	6.24
600S200-68	6SJW14	10.03	10.03	9.31	9.31
600S200-97	6SJW12	14.53	14.53	13.49	13.49
800S162-43	8SSJ18	3.40	3.40	3.14	3.10
800S200-43	8SJW18	4.42	4.42	4.24	4.24
800S162-54	8SSJ16	5.42	5.42	4.65	4.65
800S200-54	8SJW16	8.03	8.03	7.51	7.51
800S162-68	8SSJ14	6.81	6.81	5.77	5.77
800S200-68	8SJW14	10.31	10.31	9.60	9.60
800S162-97	8SSJ12	8.44	8.44	7.11	7.11
800S200-97	8SJW12	14.54	14.54	13.31	13.31

Superscripts:
a meets L/240 deflection
b meets L/360 deflection
c meets L/600 deflection
No superscript: meets L/720 deflection

Flange Width: SSC=1 3/8", SSJ=1-5/8", SJW=2" and SSW=2-1/2"

See page 28 for additional table notes.

SUGGESTED DESIGN GUIDES
ALLOWABLE AXIAL LOAD CAPACITIES
BRACED STUDS SUBJECTED TO LATERAL LOAD
KIPS (1,000 LBS) PER STUD

25 PSF

AISI Designation	Legacy Designation	BRIDGING SPACED 48" ON CENTER															
		8FT		9FT		10FT		11FT		12FT		14FT		16FT		18FT	
		16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"
350S137-33	3-1/2SSC20	0.91[b]	0.29[a]	0.53[a]													
350S162-33	3-1/2SSJ20	1.30[b]	0.64[a]	0.88[a]	0.48[a]												
350S137-43	3-1/2SSC18	1.60[b]	0.89[a]	1.13[b]	0.35[a]	0.69[a]											
350S162-43	3-1/2SSJ18	2.27[c]	1.53[b]	1.75[b]	0.92[a]	1.24[a]											
350S137-54	3-1/2SSC16	3.24[c]	2.55[b]	2.63[b]	1.86[a]	2.03[a]	1.50[a]										
350S162-54	3-1/2SSJ16	4.42	3.70[b]	3.66[b]	2.86[a]	2.93[b]	2.09[a]	2.27[a]									
350S137-68	3-1/2SSC14	4.13	3.39[b]	3.41[b]	2.58[b]	2.72[b]	1.84[a]	2.09[a]									
350S162-68	3-1/2SSJ14	5.61	4.93[c]	4.78[c]	3.93[b]	3.91[b]	3.00[a]	3.12[a]	2.45[a]								
362S137-33	3-5/8SSC20	1.00[b]	0.38[a]	0.62[a]													
362S162-33	3-5/8SSJ20	1.41[b]	0.75[a]	0.99[a]	0.58[a]												
362S137-43	3-5/8SSC18	1.72[b]	1.02[b]	1.26[b]	0.47[a]	0.82[a]											
362S162-43	3-5/8SSJ18	2.42[c]	1.69[b]	1.90[b]	1.07[a]	1.39[a]	0.92[a]										
362S200-43	3-5/8SJW18	3.21	2.45[b]	2.64[b]	1.77[b]	2.06[b]	1.11[a]	1.51[a]									
362S137-54	3-5/8SSC16	3.48[c]	2.78[b]	2.86[b]	2.07[a]	2.26[b]	1.42[a]	1.71[a]									
362S162-54	3-5/8SSJ16	4.72	3.99[b]	3.96[b]	3.14[b]	3.21[b]	2.35[a]	2.54[a]	1.95[a]								
362S200-54	3-5/8SJW16	6.20	5.65[c]	5.51[c]	4.61[b]	4.56[b]	3.61[a]	3.68[b]	2.71[a]	2.92[a]							
362S137-68	3-5/8SSC14	4.47	3.71[b]	3.73[b]	2.88[b]	3.01[b]	2.10[a]	2.35[a]	1.77[a]								
362S162-68	3-5/8SSJ14	5.97	5.37[c]	5.23[c]	4.34[b]	4.31[b]	3.37[a]	3.48[b]	2.51[a]	2.75[a]							
362S200-68	3-5/8SJW14	7.68	7.53	7.15	6.28[b]	6.6[c]	5.05[b]	4.97[b]	3.94[a]	4.03[a]							
362S200-97	3-5/8SJW12	9.81	9.81	9.13	8.84	8.34	7.32[b]	7.05[b]	5.92[b]	5.86[b]	4.73[a]	3.97[a]					
400S137-33	4SSC20	1.26[b]	0.66[b]	0.89[b]	0.20[a]	0.52[a]											
400S162-33	4SSJ20	1.70[c]	1.07[b]	1.29[b]	0.57[a]	0.89[a]	0.50[a]										
400S137-43	4SSC18	2.06	1.38[b]	1.62[b]	.83[a]	1.17[b]	.30[a]	0.74[a]									
400S162-43	4SSJ18	2.81	2.11[b]	2.32[b]	1.51[b]	1.82[b]	.92[a]	1.33[a]	0.88[a]								
400S200-43	4SJW18	3.66	2.94[c]	3.12[c]	2.27[b]	2.56[b]	1.61[a]	2.01[b]	0.99[a]	1.49[a]							
400S137-54	4SSC16	4.10	3.41[b]	3.51[c]	2.70[b]	2.89[b]	2.01[a]	2.30[a]	1.75[a]								
400S162-54	4SSJ16	5.31	4.77[c]	4.78	3.95[b]	4.05[b]	3.12[a]	3.32[b]	2.35[a]	2.64[a]							
400S200-54	4SJW16	6.80	6.61	6.49	5.62[b]	5.61[c]	4.61[b]	4.71[b]	3.65[a]	3.85[a]							
400S137-68	4SSC14	5.36	4.61[c]	4.69	3.77[b]	3.94[b]	2.93[b]	3.21[b]	2.15[a]	2.52[a]							
400S162-68	4SSJ14	6.77	6.49	6.44	5.50[b]	5.54[c]	4.50[b]	4.62[b]	3.53[a]	3.77[b]	2.66[a]						
400S200-68	4SJW14	8.60	8.60	8.21	7.70[c]	7.58	6.48[b]	6.46[b]	5.30[b]	5.38[b]	4.20[a]	3.57[a]					
400S200-97	4SJW12	11.37	11.37	10.81	10.81	10.14	9.42[c]	9.16	7.88[b]	7.73[b]	6.43[b]	5.38[b]	4.11[a]	3.68[a]			
550S137-33	5-1/2SSC20	1.89	1.44	1.63	1.08[b]	1.35[c]	0.69[b]	1.05[b]	0.30[a]	0.74[a]							
550S162-33	5-1/2SSJ20	2.46	1.99	2.17	1.59[c]	1.85[c]	1.16[b]	1.52[b]	0.72[a]	1.16[b]	0.28[a]	0.47[a]					
550S137-43	5-1/2SSC18	2.81	2.32	2.52	1.92	2.21	1.48[b]	1.86[b]	1.02[b]	1.50[b]	0.55[a]	0.76[a]					
550S162-43	5-1/2SSJ18	3.67	3.29	3.47	2.83	3.10	2.33[b]	2.70[c]	1.80[b]	2.28[b]	1.27[a]	1.42[a]					
550S137-54	5-1/2SSC16	4.50	4.50	4.50	4.13	4.39	3.66[c]	4.02	3.15[b]	3.61[b]	2.62[b]	2.72[a]					
550S162-54	5-1/2SSJ16	6.32	6.32	6.24	6.19	6.15	5.56	5.83	4.87[b]	5.23[c]	4.15[b]	3.97[b]	2.73[a]	2.76[a]			
550S137-68	5-1/2SSC14	5.32	5.32	5.32	5.16	5.32	4.67	5.04	4.13[b]	4.61[c]	3.55[b]	3.65[b]	2.35[a]	2.62[a]			
550S162-68	5-1/2SSJ14	8.07	8.07	8.07	8.07	7.97	7.68	7.82	6.87[c]	7.23	6.00[b]	5.66[b]	4.25[a]	4.13[a]			
600S137-33	6SSC20	1.99	1.59	1.76	1.27[c]	1.51	0.92[b]	1.24[b]	0.55[b]	0.96[b]	0.18[a]	0.37[a]					
600S162-33	6SSJ20	2.60	2.18	2.36	1.83	2.08	1.44[b]	1.77[c]	1.02[b]	1.44[b]	0.60[a]	0.77[a]					
600S137-43	6SSC18	2.85	2.49	2.67	2.13	2.39	1.74[c]	2.09	1.32[b]	1.76[b]	0.89[b]	1.07[a]					
600S162-43	6SSJ18	3.69	3.50	3.69	3.11	3.39	2.68	3.03	2.19[b]	2.64[c]	1.69[b]	1.82[b]	0.68[a]	1.02[a]			
600S200-43	62JW18	4.48	4.48	4.45	4.08	4.34	3.61	3.95	3.09[c]	3.53	2.54[b]	2.62[b]	1.43[a]	1.72[a]			
600S137-54	6SSC16	4.42	4.42	4.42	4.30	4.42	3.90	4.22	3.45[c]	3.87[c]	2.98[b]	3.09[b]	1.98[a]	2.27[a]			
600S162-54	6SSJ16	6.31	6.31	6.31	6.31	6.31	6.06	6.27	5.48[c]	5.85	4.82[b]	4.68[b]	3.45[a]	3.49[a]			
600S200-54	6SJW16	8.28	8.28	8.18	8.18	8.07	8.07	7.92	7.56	7.75	6.78[c]	6.46[b]	5.15[b]	5.01[b]	3.59[a]	3.67[a]	
600S137-68	6SSC14	5.23	5.23	5.23	5.23	5.23	4.90	5.23	4.44	4.87	3.93[b]	4.04[b]	2.84[a]	3.13[a]	2.22[a]		
600S162-68	6SSJ14	8.05	8.05	8.05	8.05	8.05	8.05	8.05	7.56	8.01	6.86[c]	6.60[c]	5.19[b]	5.10[b]	3.56[a]	3.70[a]	
600S200-68	6SJW14	10.69	10.60	10.57	10.57	10.42	10.42	10.24	10.24	10.03	9.48	8.97[c]	7.51[b]	7.17[b]	5.56[a]	5.46[a]	
600S200-97	6SJW12	15.49	15.49	15.34	15.34	15.14	15.14	14.90	14.90	14.60	14.60	13.81	12.15[c]	11.40[c]	9.41[b]	8.94[b]	6.91[a]
800S162-43	8SSJ18	3.62	3.62	3.62	3.62	3.62	3.39	3.62	3.08	3.41	2.74	2.88	1.98[b]	2.27[b]	1.16[a]	1.62[b]	0.33[a]
800S200-43	8SJW18	4.56	4.56	4.56	4.56	4.56	4.53	4.56	4.19	4.55	3.82	3.92	2.96[c]	3.21[c]	2.03[b]	2.45[b]	1.08[a]
800S162-54	8SSJ16	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.01	6.10	5.19[c]	5.43[c]	4.25[b]	4.65[b]	3.24[a]
800S200-54	8SJW16	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.33	7.76	7.76	6.45[b]	6.59[b]	5.09[b]
800S162-68	8SSJ14	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.16	7.40	6.11[b]	6.52[b]	4.96[b]
800S200-68	8SJW14	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.81	10.78	10.48	9.25[c]	9.28[c]	7.60[b]
800S162-97	8SSJ12	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.11	10.15	8.93[c]	9.36	7.61[b]
800S200-97	8SJW12	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.41	14.87	14.71	12.64[b]

AISI Designation	Legacy Designation	BRIDGING AT MID-HEIGHT			
		9FT		10FT	
		16"	24"	16"	24"
350S137-33	3-1/2SSC20	0.42[a]			
350S162-33	3-1/2SSJ20	0.78[a]	0.32[a]		
350S137-43	3-1/2SSC18	0.96[b]	0.22[a]	0.41[a]	
350S162-43	3-1/2SSJ18	1.58[b]	0.80[a]	0.96[a]	
350S137-54	3-1/2SSC16	2.21[b]	1.50[a]	1.40[a]	
350S162-54	3-1/2SSJ16	3.19[b]	2.46[a]	2.24[b]	1.52[a]
350S137-68	3-1/2SSC14	2.92[b]	2.14[b]	1.97[b]	1.15[a]
350S162-68	3-1/2SSJ14	4.19[c]	3.41[b]	3.06[b]	2.28[a]
362S137-33	3-5/8SSC20	0.50[a]			
362S162-33	3-5/8SSJ20	0.88[a]	0.41[a]		
362S137-43	3-5/8SSC18	1.08[b]	0.33[a]	0.51[a]	
362S162-43	3-5/8SSJ18	1.73[b]	0.94[a]	1.10[a]	
362S200-43	3-5/8SJW18	2.47[b]	1.64[b]	1.77[b]	0.91[a]
362S137-54	3-5/8SSC16	2.42[b]	1.69[a]	1.56[b]	0.81[a]
362S162-54	3-5/8SSJ16	3.47[b]	2.72[b]	2.48[b]	1.72[a]
362S200-54	3-5/8SJW16	4.98[c]	4.16[b]	3.74[b]	2.93[a]
362S137-68	3-5/8SSC14	3.19[b]	2.38[b]	2.18[b]	1.33[a]
362S162-68	3-5/8SSJ14	4.57[c]	3.77[b]	3.36[b]	2.55[a]
362S200-68	3-5/8SJW14	6.37	5.62[b]	4.90[c]	4.06[b]
362S200-97	3-5/8SJW12	8.20	7.96	6.85	6.03[b]
400S137-33	4SSC20	.75[b]	0.09[a]	0.28[a]	
400S162-33	4SSJ20	1.17[b]	0.48[a]	0.68[a]	
400S137-43	4SSC18	1.42[b]	0.66[a]	0.81[b]	
400S162-43	4SSJ18	2.14[b]	1.35[b]	1.49[b]	0.65[a]
400S200-43	4SJW18	2.95[c]	2.13[b]	2.25[b]	1.37[a]
400S137-54	4SSC16	2.96[c]	2.22[b]	2.03[b]	1.23[a]
400S162-54	4SSJ16	4.23	3.46[b]	3.12[b]	2.32[a]
400S200-54	4SJW16	5.95	5.15[b]	4.64[c]	3.79[b]
400S137-68	4SSC14	3.91	3.08[b]	2.66[b]	1.80[b]
400S162-68	4SSJ14	5.72	4.86[b]	4.31[c]	3.42[b]
400S200-68	4SJW14	7.52	7.05[c]	6.25	5.32[b]
400S200-97	4SJW12	9.86	9.86	8.31	7.74[c]
550S137-33	5-1/2SSC20	1.43	0.91[b]	0.97[c]	0.37[b]
550S162-33	5-1/2SSJ20	2.04	1.47[c]	1.58[c]	0.92[b]
550S137-43	5-1/2SSC18	2.23	1.65	1.63	0.98[b]
550S162-43	5-1/2SSJ18	3.27	2.63	2.69	1.95[b]
550S137-54	5-1/2SSC16	3.73	3.31	2.86	2.26[c]
550S162-54	5-1/2SSJ16	5.75	5.62	5.08	4.40
550S137-68	5-1/2SSC14	4.38	4.12	3.54	2.90
550S162-68	5-1/2SSJ14	7.25	7.25	6.32	5.91
600S137-33	6SSC20	1.55	1.08[c]	1.10	0.57[b]
600S162-33	6SSJ20	2.21	1.69	1.78	1.17[b]
600S137-43	6SSC18	2.36	1.85	1.77	1.19[c]
600S162-43	6SSJ18	3.46	2.89	2.90	2.23
600S200-43	62JW18	4.32	3.93	3.99	3.29
600S137-54	6SSC16	3.65	3.44	2.97	2.43
600S162-54	6SSJ16	5.71	5.71	5.02	4.65
600S200-54	6SJW16	7.77	7.77	7.21	7.21
600S137-68	6SSC14	4.31	4.26	3.63	3.08
600S162-68	6SSJ14	7.20	7.20	6.24	6.16
600S200-68	6SJW14	10.03	10.03	9.31	9.31
600S200-97	6SJW12	14.53	14.53	13.49	13.49
800S162-43	8SSJ18	3.40	3.40	3.14	2.84
800S200-43	8SJW18	4.42	4.42	4.24	4.16
800S162-54	8SSJ16	5.42	5.42	4.65	4.65
800S200-54	8SJW16	8.03	8.03	7.51	7.51
800S162-68	8SSJ14	6.81	6.81	5.77	5.77
800S200-68	8SJW14	10.31	10.31	9.60	9.60
800S162-97	8SSJ12	8.44	8.44	7.11	7.11
800S200-97	8SJW12	14.54	14.54	13.31	13.31

Superscripts:
a meets L/240 deflection
b meets L/360 deflection
c meets L/600 deflection
No superscript: meets L/720 deflection

Flange Width: SSC=1 3/8", SSJ=1-5/8", SJW=2" and SSW=2-1/2"

See page 28 for additional table notes.

SUGGESTED DESIGN GUIDES
ALLOWABLE AXIAL LOAD CAPACITIES
BRACED STUDS SUBJECTED TO LATERAL LOAD
KIPS (1,000 LBS) PER STUD

30 PSF

AISI Designation	Legacy Designation	BRIDGING SPACED 48" ON CENTER															
		8FT		9FT		10FT		11FT		12FT		14FT		16FT		18FT	
		16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"
350S137-33	3-1/2SSC20	0.65[a]	0.25[a]														
350S162-33	3-1/2SSJ20	1.03[b]	0.28[a]	0.57[a]													
350S137-43	3-1/2SSC18	1.31[b]	0.50[a]	0.81[a]													
350S162-43	3-1/2SSJ18	1.97[b]	1.13[a]	1.40[a]	0.88[a]												
350S137-54	3-1/2SSC16	2.96[b]	2.17[b]	2.31[b]	1.44[a]	1.70[a]											
350S162-54	3-1/2SSJ16	4.13[c]	3.29[b]	3.33[b]	2.42[a]	2.58[a]	1.92[a]										
350S137-68	3-1/2SSC14	3.83[c]	2.97[b]	3.06[b]	2.12[a]	2.35[a]	1.71[a]										
350S162-68	3-1/2SSJ14	5.39	4.50[b]	4.43[b]	3.45[a]	3.53[b]	2.51[a]	2.74[a]									
362S137-33	3-5/8SSC20	0.75[b]	0.34[a]														
362S162-33	3-5/8SSJ20	1.14[b]	0.39[a]	0.68[a]													
362S137-43	3-5/8SSC18	1.43[b]	0.63[a]	0.93[a]	0.46[a]												
362S162-43	3-5/8SSJ18	2.12[b]	1.28[b]	1.56[b]	0.62[a]	1.02[a]											
362S200-43	3-5/8SJW18	2.90[c]	2.03[b]	2.28[b]	1.29[a]	1.67[a]	1.10[a]										
362S137-54	3-5/8SSC16	3.19[b]	2.39[b]	2.53[b]	1.64[a]	1.91[a]											
362S162-54	3-5/8SSJ16	4.42[c]	3.58[b]	3.62[b]	2.69[a]	2.85[a]	2.17[a]										
362S200-54	3-5/8SJW16	6.12	5.21[b]	5.14[b]	4.12[b]	4.16[b]	3.09[a]	3.27[a]									
362S137-68	3-5/8SSC14	4.16[c]	3.29[b]	3.38[b]	2.40[a]	2.63[a]	1.96[a]										
362S162-68	3-5/8SSJ14	5.83	4.92[b]	4.86[b]	3.85[b]	3.92[b]	2.85[a]	3.07[a]	2.35[a]								
362S200-68	3-5/8SJW14	7.68	7.06[c]	6.83[c]	5.75[b]	5.64[b]	4.49[a]	4.54[b]	3.38[a]	3.60[a]							
362S200-97	3-5/8SJW12	9.81	9.81	9.13	8.28[c]	7.95[c]	6.72[b]	6.58[b]	5.31[a]	5.38	4.12[a]						
400S137-33	4SSC20	1.01[b]	0.32[a]	0.60[a]	0.21[a]												
400S162-33	4SSJ20	1.44[b]	0.71[a]	0.99[b]	0.16[a]	0.56[a]											
400S137-43	4SSC18	1.78[c]	1.00[b]	1.29[b]	0.40[a]	0.81[a]											
400S162-43	4SSJ18	2.52[c]	1.72[b]	1.98[b]	1.05[a]	1.44[a]	0.93[a]										
400S200-43	4SJW18	3.37	2.53[b]	2.77[b]	1.80[b]	2.17[b]	1.09[a]	1.58[a]									
400S137-54	4SSC16	3.82	3.02[b]	3.18[b]	2.25[a]	2.53[b]	1.52[a]	1.91[a]									
400S162-54	4SSJ16	5.19	4.36[b]	4.44[c]	3.48[b]	3.67[b]	2.62[a]	2.91[a]	2.23[a]								
400S200-54	4SJW16	6.80	6.17[c]	6.15[c]	5.11[b]	5.20[b]	4.06[a]	4.27[b]	3.09[a]	3.40[a]							
400S137-68	4SSC14	5.07	4.17[c]	4.31[c]	3.26[b]	3.52[b]	2.38[a]	2.76[a]	2.07[a]								
400S162-68	4SSJ14	6.77	6.03[c]	6.05	4.98[b]	5.10[b]	3.93[a]	4.17[b]	2.94[a]	3.31[a]							
400S200-68	4SJW14	8.60	8.40	8.21	7.15[b]	7.12[c]	5.88[b]	5.97[b]	4.67[a]	4.88[b]	3.57[a]						
400S200-97	4SJW12	11.37	11.37	10.81	10.37	10.12	8.76[b]	8.63[c]	7.18[b]	7.19[b]	5.72[a]	4.85[a]					
550S137-33	5-1/2SSC20	1.71	1.18[c]	1.41[c]	0.76[b]	1.08[b]	0.32[a]	0.74[b]	0.39[a]								
550S162-33	5-1/2SSJ20	2.27	1.71	1.93	1.25[b]	1.57[b]	0.76[b]	1.19[b]	0.27[a]	0.80[a]							
550S137-43	5-1/2SSC18	2.61	2.04	2.28	1.57[c]	1.91[c]	1.06[b]	1.52[b]	0.54[a]	1.11[b]							
550S162-43	5-1/2SSJ18	3.60	2.98	3.21	2.45[c]	2.79	1.88[b]	2.33[b]	1.33[b]	1.86[b]	0.72[a]	0.94[a]					
550S137-54	5-1/2SSC16	4.50	4.26	4.48	3.78	4.09	3.24[b]	3.66[c]	2.66[b]	3.20[b]	2.06[a]	2.22[a]					
550S162-54	5-1/2SSJ16	6.32	6.32	6.24	5.80	6.05	5.08[c]	5.44[c]	4.32[b]	4.79[b]	3.55[a]	3.45[a]					
550S137-68	5-1/2SSC14	5.32	5.31	5.32	4.80	5.13	4.23[c]	4.67	3.61[b]	4.17[b]	2.96[b]	3.11[a]					
550S162-68	5-1/2SSJ14	8.07	8.07	8.07	7.97	7.97	7.15	7.51	6.25[b]	6.72[c]	5.31[b]	5.07[b]	3.48[a]	3.51[a]			
600S137-33	6SSC20	1.83	1.36	1.56	0.99[b]	1.27[c]	0.58[b]	0.96[b]	0.16[a]	0.64[b]							
600S162-33	6SSJ20	2.43	1.93	2.14	1.51[c]	1.82[c]	1.07[b]	1.46[b]	0.60[a]	1.10[b]	0.13[a]	0.36[a]					
600S137-43	6SSC18	2.74	2.24	2.45	1.82	2.13	1.36[c]	1.78[c]	.88[b]	1.40[b]	0.39[a]	0.63[a]					
600S162-43	6SSJ18	3.69	3.23	3.46	2.77	3.10	2.26[c]	2.69[c]	1.71[b]	2.25[b]	1.15[a]	1.35[a]					
600S200-43	62JW18	4.48	4.23	4.44	3.73	4.04	3.18[c]	3.60	2.59[b]	3.12[c]	1.98[b]	2.13[b]	0.78[a]	1.17[a]			
600S137-54	6SSC16	4.42	4.41	4.42	3.99	4.28	3.52[c]	3.91	3.01[b]	3.51[b]	2.47[b]	2.63[b]	1.36[a]	1.73[a]			
600S162-54	6SSJ16	6.31	6.31	6.31	6.20	6.31	5.63	6.01	4.97[b]	5.43[c]	4.24[b]	4.17[b]	2.77[a]	2.92[a]			
600S200-54	6SJW16	8.28	8.28	8.18	8.18	8.07	7.83	7.92	7.02[c]	7.42	6.17[b]	5.92[b]	4.43[a]	4.42[a]			
600S137-68	6SSC14	5.23	5.23	5.23	5.01	5.23	4.51	4.91	3.98[c]	4.49[c]	3.40[b]	3.54[b]	2.18[a]	2.55[a]			
600S162-68	6SSJ14	8.05	8.05	8.05	8.05	8.05	7.70	8.05	6.99[c]	7.54	6.20[b]	6.02[b]	4.41[a]	4.46[a]			
600S200-68	6SJW14	10.69	10.69	10.57	10.57	10.42	10.42	10.24	9.81	10.03	8.81[c]	8.37[b]	6.70[b]	6.50[b]	4.69[a]	4.77[a]	
600S200-97	6SJW12	15.49	15.49	15.34	15.34	15.14	15.14	14.90	14.90	14.60	14.00	13.20	11.16[b]	10.57[b]	8.34[a]	8.08[b]	5.84[a]
800S162-43	8SSJ18	3.62	3.62	3.62	3.44	3.62	3.11	3.42	2.74	3.14	2.34[c]	2.51[c]	1.47[b]	1.82[b]	0.54[a]	1.09[a]	
800S200-43	8SJW18	4.56	4.56	4.56	4.56	4.56	4.23	4.56	3.83	4.25	3.39	3.53	2.40[b]	2.73[b]	1.36[a]	1.88[a]	
800S162-54	8SSJ16	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.04	6.10	5.61	5.74	4.65[b]	4.95[b]	3.58[b]	4.07[b]	2.46[a]
800S200-54	8SJW16	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.43	8.33	7.15[c]	7.23[c]	5.71[b]	5.97[b]	4.25[a]
800S162-68	8SSJ14	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.64	7.76	6.58[c]	6.88[c]	5.37[b]	5.88[b]	4.09[a]
800S200-68	8SJW14	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.81	10.11	10.10	8.43[b]	8.59[b]	6.66[b]
800S162-97	8SSJ12	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	9.47	9.78	8.12[b]	8.64[c]	6.63[b]
800S200-97	8SJW12	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.41	13.88[c]	13.86	11.50[b]

AISI Designation	Legacy Designation	BRIDGING AT MID-HEIGHT			
		9FT		10FT	
		16"	24"	16"	24"
350S137-33	3-1/2SSC20	0.15[a]			
350S162-33	3-1/2SSJ20	0.49[a]			
350S137-43	3-1/2SSC18	0.65[a]			
350S162-43	3-1/2SSJ18	1.26[a]	0.63[a]		
350S137-54	3-1/2SSC16	1.91[b]	1.10[a]	1.10[a]	
350S162-54	3-1/2SSJ16	2.89[b]	2.06[a]	1.94[a]	
350S137-68	3-1/2SSC14	2.60[b]	1.71[a]	1.63[a]	
350S162-68	3-1/2SSJ14	3.87[b]	2.98[a]	2.74[b]	1.84[a]
362S137-33	3-5/8SSC20	0.23[a]			
362S162-33	3-5/8SSJ20	0.59[a]			
362S137-43	3-5/8SSC18	0.77[a]	0.19[a]		
362S162-43	3-5/8SSJ18	1.40[b]	0.50[a]	0.76[a]	
362S200-43	3-5/8SJW18	2.12[b]	1.18[a]	1.41[a]	
362S137-54	3-5/8SSC16	2.12[b]	1.29[a]	1.25[a]	
362S162-54	3-5/8SSJ16	3.16[b]	2.30[a]	2.17[a]	
362S200-54	3-5/8SJW16	4.64[b]	3.71[b]	3.40[b]	2.49[a]
362S137-68	3-5/8SSC14	2.85[b]	1.94[a]	1.83[a]	
362S162-68	3-5/8SSJ14	4.24[b]	3.32[b]	3.03[b]	2.10[a]
362S200-68	3-5/8SJW14	6.12[c]	5.14[b]	4.56[b]	3.59[a]
362S200-97	3-5/8SJW12	8.20	7.45[c]	6.57[c]	5.51[b]
400S137-33	4SSC20	0.48[a]			
400S162-33	4SSJ20	0.89[b]	0.09[a]	0.38[a]	
400S137-43	4SSC18	1.11[b]	0.24[a]	0.48[a]	
400S162-43	4SSJ18	1.81[b]	0.91[a]	1.14[a]	
400S200-43	4SJW18	2.61[b]	1.67[b]	1.89[b]	0.89[a]
400S137-54	4SSC16	2.66[b]	1.80[a]	1.70[b]	0.79[a]
400S162-54	4SSJ16	3.91[c]	3.02[b]	2.79[b]	1.88[a]
400S200-54	4SJW16	5.65[c]	4.68[b]	4.29[b]	3.32[a]
400S137-68	4SSC14	3.57[c]	2.61[b]	2.31[b]	1.33[a]
400S162-68	4SSJ14	5.37	4.38[b]	3.94[b]	2.92[a]
400S200-68	4SJW14	7.52	6.54[b]	5.87[c]	4.80[b]
400S200-97	4SJW12	9.86	9.46	8.31	7.18[b]
550S137-33	5-1/2SSC20	1.22[c]	0.60[b]	0.73[b]	
550S162-33	5-1/2SSJ20	1.81	1.13[b]	1.31[b]	0.54[b]
550S137-43	5-1/2SSC18	2.00	1.32[c]	1.37[c]	0.61[b]
550S162-43	5-1/2SSJ18	3.01	2.26[c]	2.39	1.52[b]
550S137-54	5-1/2SSC16	3.63	2.99	2.62	1.91[b]
550S162-54	5-1/2SSJ16	5.75	5.24	4.85	3.97[c]
550S137-68	5-1/2SSC14	4.38	3.79	3.28	2.53[c]
550S162-68	5-1/2SSJ14	7.25	7.06	6.32	5.44
600S137-33	6SSC20	1.36	0.81[b]	0.88[c]	0.26[b]
600S162-33	6SSJ20	2.00	1.39[c]	1.53[c]	0.81[b]
600S137-43	6SSC18	2.15	1.55	1.54	.85[b]
600S162-43	6SSJ18	3.23	2.55	2.63	1.84[c]
600S200-43	62JW18	4.29	3.59	3.71	2.88[c]
600S137-54	6SSC16	3.65	3.17	2.75	2.12[c]
600S162-54	6SSJ16	5.71	5.51	5.02	4.26
600S200-54	6SJW16	7.77	7.77	7.21	6.89
600S137-68	6SSC14	4.31	3.97	3.42	2.75
600S162-68	6SSJ14	7.20	7.20	6.24	5.75
600S200-68	6SJW14	10.03	10.03	9.31	9.31
600S200-97	6SJW12	14.53	14.53	13.49	13.49
800S162-43	8SSJ18	3.40	3.18	3.10	2.57
800S200-43	8SJW18	4.42	4.42	4.24	3.87
800S162-54	8SSJ16	5.42	5.42	4.65	4.65
800S200-54	8SJW16	8.03	8.03	7.51	7.51
800S162-68	8SSJ14	6.81	6.81	5.77	5.77
800S200-68	8SJW14	10.31	10.31	9.60	9.60
800S162-97	8SSJ12	8.44	8.44	7.11	7.11
800S200-97	8SJW12	14.54	14.54	13.31	13.31

Flange Width: SSC=1 3/8", SSJ=1-5/8", SJW=2" and SSW=2-1/2"

See page 28 for additional table notes.

Superscripts:
a meets L/240 deflection
b meets L/360 deflection
c meets L/600 deflection
No superscript: meets L/720 deflection

SUGGESTED DESIGN GUIDES
ALLOWABLE AXIAL LOAD CAPACITIES
BRACED STUDS SUBJECTED TO LATERAL LOAD
KIPS (1,000 LBS) PER STUD

35 PSF

AISI Designation	Legacy Designation	BRIDGING SPACED 48" ON CENTER															
		8FT		9FT		10FT		11FT		12FT		14FT		16FT		18FT	
		16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"	16"	24"
350S137-33	3-1/2SSC20	0.41[a]															
350S162-33	3-1/2SSJ20	0.77[a]															
350S137-43	3-1/2SSC18	1.03[b]	0.13[a]	.50[a]													
350S162-43	3-1/2SSJ18	1.68[b]	0.74[a]	1.08[a]													
350S137-54	3-1/2SSC16	2.69[b]	1.80[a]	2.01[a]													
350S162-54	3-1/2SSJ16	3.84[b]	2.91[a]	3.01[b]	2.00[a]	2.25[a]											
350S137-68	3-1/2SSC14	3.53[b]	2.57[b]	2.74[b]	1.69[a]	2.00[a]											
350S162-68	3-1/2SSJ14	5.08[c]	4.09[b]	4.09[b]	3.00[a]	3.17[a]	2.38[a]										
362S137-33	3-5/8SSC20	0.50[a]															
362S162-33	3-5/8SSJ20	0.88[b]	0.39[a]														
362S137-43	3-5/8SSC18	1.15[b]	0.25[a]	0.62[a]													
362S162-43	3-5/8SSJ18	1.83[b]	0.89[a]	1.23[a]	0.67[a]												
362S200-43	3-5/8SJW18	2.60[b]	1.62[b]	1.93[b]	0.83[a]	1.29[a]											
362S137-54	3-5/8SSC16	2.91[b]	2.01[a]	2.22[a]	1.58[a]												
362S162-54	3-5/8SSJ16	4.13[b]	3.19[b]	3.30[b]	2.26[a]	2.51[a]											
362S200-54	3-5/8SJW16	5.80[c]	4.78[b]	4.78[b]	3.65[a]	3.79[a]	2.89[a]										
362S137-68	3-5/8SSC14	3.86[c]	2.87[b]	3.04[b]	1.95[a]	2.27[a]											
362S162-68	3-5/8SSJ14	5.52[c]	4.50[b]	4.51[b]	3.38[a]	3.55[b]	2.37[a]	2.69[a]									
362S200-68	3-5/8SJW14	7.68	6.61[b]	6.46[b]	5.25[b]	5.24[b]	3.97[a]	4.13[a]	3.20[a]								
362S200-97	3-5/8SJW12	9.81	9.37	9.03	7.74[b]	7.52[b]	6.15[b]	6.14[b]	4.74[a]	4.94[a]							
400S137-33	4SSC20	0.77[b]	0.33[a]														
400S162-33	4SSJ20	1.19[b]	0.37[a]	0.71[a]													
400S137-43	4SSC18	1.52[b]	0.63[a]	0.98[b]	0.47[a]												
400S162-43	4SSJ18	2.25[b]	1.33[b]	1.66[b]	0.62[a]	1.09[a]											
400S200-43	4SJW18	3.08[c]	2.13[b]	2.44[b]	1.34[a]	1.79[a]	1.18[a]										
400S137-54	4SSC16	3.54[c]	2.64[b]	2.86[b]	1.83[a]	2.18[a]	1.54[a]										
400S162-54	4SSJ16	4.91	3.97[b]	4.11[b]	3.03[a]	3.30[b]	2.14[a]	2.53[a]									
400S200-54	4SJW16	6.75	5.75[b]	5.79[c]	4.63[b]	4.80[b]	3.55[a]	3.85[a]	2.98[a]								
400S137-68	4SSC14	4.77	3.74[b]	3.95[b]	2.78[a]	3.12[b]	1.86[a]	2.35[a]									
400S162-68	4SSJ14	6.64	5.60[b]	5.68[c]	4.48[b]	4.69[b]	3.39[a]	3.74[a]	2.87[a]								
400S200-68	4SJW14	8.60	7.95[c]	7.88	6.62[b]	6.69[b]	5.31[b]	5.52[b]	4.08[a]	4.42[a]							
400S200-97	4SJW12	11.37	11.37	10.81	9.79[c]	9.65[c]	8.13[b]	8.12[b]	6.52[a]	6.67	5.07[a]	4.35[a]					
550S137-33	5-1/2SSC20	1.53	0.93[b]	1.19[c]	0.45[b]	0.82[b]	0.44[a]	0.06[a]									
550S162-33	5-1/2SSJ20	2.08	1.43[c]	1.70[c]	0.92[b]	1.29[b]	0.38[a]	0.87[b]	0.45[a]								
550S137-43	5-1/2SSC18	2.42	1.76	2.04	1.22[b]	1.62[b]	0.66[b]	1.18[b]	0.09[a]	0.73[a]							
550S162-43	5-1/2SSJ18	3.39	2.68	2.96	2.09[b]	2.48[c]	1.45[b]	1.98[b]	0.81[a]	1.47[b]	0.19[a]						
550S137-54	5-1/2SSC16	4.50	3.99	4.24	3.43[c]	3.80[c]	2.83[b]	3.32[b]	2.19[a]	2.81[b]	1.54[a]	1.75[a]					
550S162-54	5-1/2SSJ16	6.32	6.13	6.24	5.41	5.72	4.62[b]	5.05[b]	3.80[b]	4.36[b]	2.97[a]	2.96[a]					
550S137-68	5-1/2SSC14	5.32	5.02	5.29	4.44	4.82	3.80[b]	4.31[c]	3.11[b]	3.76[b]	2.40[a]	2.60[a]					
550S162-68	5-1/2SSJ14	8.07	8.07	8.07	7.54	7.86	6.63[c]	7.08	5.66[b]	6.23[b]	4.66[b]	4.51[a]					
600S137-33	6SSC20	1.67	1.13[c]	1.37	0.70[b]	1.04[b]	0.25[b]	0.69[b]	0.33[a]								
600S162-33	6SSJ20	2.26	1.68	1.93	1.21[b]	1.56[c]	0.70[b]	1.17[b]	0.19[a]	0.76[a]							
600S137-43	6SSC18	2.57	1.99	2.24	1.51[c]	1.87[c]	1.00[b]	1.47[b]	.46[a]	1.06[b]	0.21[a]						
600S162-43	6SSJ18	3.60	2.96	3.23	2.44	2.82	1.86[b]	2.35[b]	1.25[b]	1.87[b]	0.64[a]	0.90[a]					
600S200-43	62JW18	4.48	3.95	4.20	3.39	3.75	2.77[c]	3.26[c]	2.11[b]	2.73[b]	1.45[a]	1.66[a]					
600S137-54	6SSC16	4.42	4.17	4.40	3.69	4.02	3.16[b]	3.60[c]	2.59[b]	3.15[b]	1.99[a]	2.19[a]					
600S162-54	6SSJ16	6.31	6.31	6.31	5.84	6.21	5.20[c]	5.66	4.47[b]	5.02[b]	3.68[b]	3.68[a]					
600S200-54	6SJW16	8.28	8.28	8.18	8.18	8.07	7.38	7.75	6.50[b]	6.99[c]	5.58[b]	5.40[b]	3.75[a]	3.85[a]			
600S137-68	6SSC14	5.23	5.19	5.23	4.69	5.03	4.13[c]	4.59	3.53[b]	4.11[b]	2.88[b]	3.07[b]	1.56[a]	2.00[a]			
600S162-68	6SSJ14	8.05	8.05	8.05	7.95	8.05	7.23	7.76	6.44[b]	7.08[c]	5.57[b]	5.46[b]	3.68[a]	3.85[a]			
600S200-68	6SJW14	10.69	10.69	10.57	10.57	10.42	10.25	10.24	9.24[c]	9.72	8.15[b]	7.79[b]	5.94[a]	5.86[a]			
600S200-97	6SJW12	15.49	15.49	15.344	15.34	15.14	15.14	14.90	14.63	14.60	13.21[c]	12.49[c]	10.22[b]	9.79[b]	7.34[a]	7.29[a]	
800S162-43	8SSJ18	3.62	3.56	3.62	3.22	3.48	2.83	3.19	2.41	2.87	1.95[c]	2.16[b]	0.97[b]	1.38[b]	0.58[a]		
800S200-43	8SJW18	4.56	4.56	4.56	4.35	4.56	3.93	4.31	3.47	3.96	2.97[c]	3.15[c]	1.87[b]	2.26[b]	0.72[a]	1.34[a]	
800S162-54	8SSJ16	6.10	6.10	6.10	6.10	6.10	6.10	6.10	5.70	6.10	5.21	5.37[c]	4.13[b]	4.48[b]	2.94[a]	3.51[a]	
800S200-54	8SJW16	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	7.97	7.97	6.56[b]	6.71[b]	5.00[b]	5.37[b]	3.46[a]
800S162-68	8SSJ14	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.74	7.76	7.21	7.36	6.00[b]	6.36[b]	4.67[b]	5.26[b]	3.27[a]
800S200-68	8SJW14	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.95	10.81	9.46[c]	9.53[c]	7.64[b]	7.92[b]	5.78[a]
800S162-97	8SSJ12	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	8.84	9.21	7.33[b]	7.95[b]	5.70[a]
800S200-97	8SJW12	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.63	15.08	15.20	12.92[b]	13.04[c]	10.41[b]

AISI Designation	Legacy Designation	BRIDGING AT MID-HEIGHT			
		9FT		10FT	
		16"	24"	16"	24"
350S137-33	3-1/2SSC20				
350S162-33	3-1/2SSJ20				
350S137-43	3-1/2SSC18	0.36[a]			
350S162-43	3-1/2SSJ18	0.95[a]			
350S137-54	3-1/2SSC16	1.63[a]			
350S162-54	3-1/2SSJ16	2.60[b]	1.67[a]	1.65[a]	
350S137-68	3-1/2SSC14	2.29[b]	1.30[a]	1.31[a]	
350S162-68	3-1/2SSJ14	3.56[b]	2.57[a]	2.43[a]	
362S137-33	3-5/8SSC20				
362S162-33	3-5/8SSJ20	0.31[a]			
362S137-43	3-5/8SSC18	0.47[a]			
362S162-43	3-5/8SSJ18	1.09[a]	0.44[a]		
362S200-43	3-5/8SJW18	1.80[b]	0.74[a]	1.07[a]	
362S137-54	3-5/8SSC16	1.83[a]	0.95[a]		
362S162-54	3-5/8SSJ16	2.86[b]	1.91[a]	1.87[a]	
362S200-54	3-5/8SJW16	4.32[b]	3.28[a]	3.09[a]	
362S137-68	3-5/8SSC14	2.54[b]	1.52[a]	1.49[a]	
362S162-68	3-5/8SSJ14	3.92[b]	2.89[a]	2.70[b]	1.67[a]
362S200-68	3-5/8SJW14	5.78[b]	4.68[b]	4.22[b]	3.15[a]
362S200-97	3-5/8SJW12	8.13	6.96[b]	6.20[b]	5.02[b]
400S137-33	4SSC20	0.21[a]			
400S162-33	4SSJ20	0.61[a]			
400S137-43	4SSC18	0.81[b]	0.16[a]		
400S162-43	4SSJ18	1.50[b]	0.49[a]	0.81[a]	
400S200-43	4SJW18	2.29[b]	1.23[a]	1.54[a]	
400S137-54	4SSC16	2.36[b]	1.40[a]	1.38[a]	
400S162-54	4SSJ16	3.61[b]	2.61[a]	2.48[b]	1.46[a]
400S200-54	4SJW16	5.32[c]	4.23[b]	3.95[b]	2.87[a]
400S137-68	4SSC14	3.24[b]	2.17[a]	1.97[b]	0.87[a]
400S162-68	4SSJ14	5.03[c]	3.91[b]	3.59[b]	2.45[a]
400S200-68	4SJW14	7.22	6.05[b]	5.50[b]	4.31[b]
400S200-97	4SJW12	9.86	8.93[c]	7.94[c]	6.64[b]
550S137-33	5-1/2SSC20	1.01[c]	0.30[b]	0.49[b]	
550S162-33	5-1/2SSJ20	1.58[c]	0.81[b]	1.05[b]	0.17[a]
550S137-43	5-1/2SSC18	1.77	0.99[b]	1.11[b]	0.24[b]
550S162-43	5-1/2SSJ18	2.76	1.90[b]	2.09[c]	1.11[b]
550S137-54	5-1/2SSC16	3.41	2.68[c]	2.38[c]	1.56[b]
550S162-54	5-1/2SSJ16	5.75	4.86	4.55	3.55[b]
550S137-68	5-1/2SSC14	4.23	3.47	3.02	2.16[b]
550S162-68	5-1/2SSJ14	7.25	6.66	6.06	4.99[c]
600S137-33	6SSC20	1.17	0.54[b]	0.67[b]	
600S162-33	6SSJ20	1.79	1.09[b]	1.29[c]	0.47[b]
600S137-43	6SSC18	1.95	1.25[c]	1.31[c]	0.52[b]
600S162-43	6SSJ18	3.00	2.23	2.36	1.46[b]
600S200-43	62JW18	4.05	3.24	3.43	2.47[c]
600S137-54	6SSC16	3.53	2.90	2.54	1.81[b]
600S162-54	6SSJ16	5.71	5.18	4.78	3.89[c]
600S200-54	6SJW16	7.77	7.72	7.21	6.46
600S137-68	6SSC14	4.31	3.69	3.19	2.42[c]
600S162-68	6SSJ14	7.20	7.00	6.24	5.35
600S200-68	6SJW14	10.03	10.03	9.31	8.99
600S200-97	6SJW12	14.53	14.53	13.49	13.49
800S162-43	8SSJ18	3.40	2.96	2.92	2.31
800S200-43	8SJW18	4.42	4.18	4.24	3.58
800S162-54	8SSJ16	5.42	5.42	4.65	4.49
800S200-54	8SJW16	8.03	8.03	7.51	7.51
800S162-68	8SSJ14	6.81	6.81	5.77	5.77
800S200-68	8SJW14	10.31	10.31	9.60	9.60
800S162-97	8SSJ12	8.44	8.44	7.11	7.11
800S200-97	8SJW12	14.54	14.54	13.31	13.31

Superscripts:
a meets L/240 deflection
b meets L/360 deflection
c meets L/600 deflection
No superscript: meets L/720 deflection

Flange Width: SSC=1 3/8", SSJ=1-5/8", SJW=2" and SSW=2-1/2"

See page 28 for additional table notes.