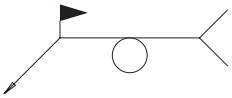
3.8 **N-32**

Arc Spot/Seam Welds to Supports with Top Seam Welded Side Seam Attachment

Diaphragm Shear in pounds per linear foot (plf)



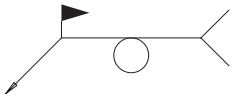
Support Fastener Pattern	Gage	Seam Attach. Spacing	Allowable Shear (q_a) (plf), Factored Shear (q_f) (plf), and Flexibility Factor (F) (10^{-6} in/lbs)																					
			Span →	4' - 0"		6' - 0"		8' - 0"		10' - 0"		12' - 0"		14' - 0"		16' - 0"		18' - 0"		20' - 0"	
32/5	16 ga	4"	q_a q_f	2742	4387	2742	4387	2742	4387	2742	4387	2742	4387	2742	4387	2349	3758	1856	2969	1503	2405
			F	2.8 +0R		2.8 +0R		2.8 +0R		2.8 +0R		2.8 +0R		2.8 +0R		2.8 +0R		2.8 +0R		2.8 +0R	
		6"	q_a q_f	2742	4387	2742	4387	2742	4387	2742	4387	2742	4387	2742	4387	2349	3758	1856	2969	1503	2405
			F	3.1 -0.1R		3.1 +0R		3.1 +0R		3.1 +0R		3.1 +0R		3.1 +0R		3.1 +0R		3.1 +0R		3.1 +0R	
		8"	q_a q_f	2742	4387	2742	4387	2742	4387	2742	4387	2742	4387	2742	4387	2349	3758	1856	2969	1503	2405
			F	3.3 -0.1R		3.3 -0.1R		3.4 -0.1R		3.4 +0R		3.4 +0R		3.4 +0R		3.4 +0R		3.4 +0R		3.4 +0R	
		12"	q_a q_f	2733	4387	2563	4229	2472	4078	2414	3984	2375	3920	2347	3873	2326	3758	1856	2969	1503	2405
			F	3.7 -0.2R		3.8 -0.1R		3.9 -0.1R		3.9 -0.1R		3.9 -0.1R		3.9 -0.1R		3.9 -0.1R		3.9 -0.1R		3.9 -0.1R	
		18"	q_a q_f	2387	4387	2039	3365	2072	3419	1914	3158	1803	2975	1858	3066	1781	2939	1720	2838	1503	2405
			F	4.3 -0.3R		4.5 -0.3R		4.5 -0.2R		4.6 -0.2R		4.6 -0.2R		4.7 -0.2R		4.7 -0.1R		4.7 -0.1R		4.7 -0.1R	
		24"	q_a q_f	1972	3253	1730	2854	1602	2643	1523	2513	1469	2424	1431	2361	1401	2312	1379	2275	1360	2244
			F	4.8 -0.5R		5 -0.4R		5.2 -0.4R		5.3 -0.3R		5.3 -0.3R		5.4 -0.3R		5.4 -0.2R		5.5 -0.2R		5.5 -0.2R	
	18 ga	4"	q_a q_f	1824	2918	1824	2918	1824	2918	1824	2918	1824	2918	1824	2918	1694	2711	1339	2142	1084	1735
			F	3.5 +0R		3.5 +0R		3.5 +0R		3.5 +0R		3.5 +0R		3.5 +0R		3.5 +0R		3.5 +0R		3.5 +0R	
		6"	q_a q_f	1824	2918	1824	2918	1824	2918	1824	2918	1824	2918	1824	2918	1694	2711	1339	2142	1084	1735
			F	3.7 -0.1R		3.8 +0R		3.8 +0R		3.8 +0R		3.8 +0R		3.8 +0R		3.8 +0R		3.8 +0R		3.8 +0R	
		8"	q_a q_f	1824	2918	1824	2918	1824	2918	1824	2918	1824	2918	1824	2918	1694	2711	1339	2142	1084	1735
			F	4 -0.1R		4 -0.1R		4.1 -0.1R		4.1 -0.1R		4.1 +0R		4.1 +0R		4.1 +0R		4.1 +0R		4.1 +0R	
		12"	q_a q_f	1824	2918	1824	2918	1824	2918	1824	2918	1798	2918	1775	2918	1694	2711	1339	2142	1084	1735
			F	4.5 -0.2R		4.6 -0.2R		4.6 -0.1R		4.6 -0.1R		4.7 -0.1R		4.7 -0.1R		4.7 -0.1R		4.7 -0.1R		4.7 -0.1R	
		18"	q_a q_f	1824	2918	1550	2558	1571	2591	1447	2387	1360	2245	1401	2312	1341	2213	1294	2135	1084	1735
			F	5.1 -0.4R		5.3 -0.3R		5.4 -0.3R		5.5 -0.2R		5.5 -0.2R		5.5 -0.2R		5.6 -0.2R		5.6 -0.1R		5.6 -0.1R	
		24"	q_a q_f	1509	2490	1316	2171	1214	2003	1151	1899	1109	1829	1078	1778	1055	1740	1036	1710	1022	1686
			F	5.7 -0.6R		5.9 -0.5R		6.1 -0.4R		6.2 -0.4R		6.3 -0.3R		6.3 -0.3R		6.4 -0.3R		6.4 -0.2R		6.4 -0.2R	
	20 ga	4"	q_a q_f	1080	1728	1080	1728	1080	1728	1080	1728	1080	1728	1080	1728	1080	1728	879	1406	712	1139
			F	4.5 +0R		4.5 +0R		4.5 +0R		4.5 +0R		4.5 +0R		4.5 +0R		4.5 +0R		4.5 +0R		4.5 +0R	
		6"	q_a q_f	1080	1728	1080	1728	1080	1728	1080	1728	1080	1728	1080	1728	1080	1728	879	1406	712	1139
			F	4.8 -0.1R		4.8 -0.1R		4.9 +0R		4.9 +0R		4.9 +0R		4.9 +0R		4.9 +0R		4.9 +0R		4.9 +0R	
		8"	q_a q_f	1080	1728	1080	1728	1080	1728	1080	1728	1080	1728	1080	1728	1080	1728	879	1406	712	1139
			F	5.1 -0.1R		5.2 -0.1R		5.2 -0.1R		5.2 -0.1R		5.2 -0.1R		5.2 +0R		5.2 +0R		5.2 +0R		5.2 +0R	
		12"	q_a q_f	1080	1728	1080	1728	1080	1728	1080	1728	1080	1728	1080	1728	1080	1728	879	1406	712	1139
			F	5.7 -0.2R		5.8 -0.2R		5.8 -0.2R		5.9 -0.1R		5.9 -0.1R		5.9 -0.1R		5.9 -0.1R		5.9 -0.1R		5.9 -0.1R	
		18"	q_a q_f	1080	1728	995	1642	1016	1677	942	1554	890	1469	919	1516	882	1456	853	1406	712	1139
			F	6.4 -0.4R		6.6 -0.4R		6.7 -0.3R		6.8 -0.3R		6.8 -0.2R		6.9 -0.2R		6.9 -0.2R		6.9 -0.2R		7 -0.2R	
		24"	q_a q_f	952	1572	844	1392	786	1297	750	1238	726	1198	709	1169	695	1147	685	1130	677	1117
			F	7 -0.6R		7.4 -0.6R		7.5 -0.5R		7.7 -0.4R		7.8 -0.4R		7.8 -0.3R		7.9 -0.3R		7.9 -0.3R		7.9 -0.3R	
	22 ga	4"	q_a q_f	771	1233	771	1233	771	1233	771	1233	771	1233	771	1233	771	1233	673	1076	545	872
			F	5.3 +0R		5.3 +0R		5.4 +0R		5.4 +0R		5.4 +0R		5.4 +0R		5.4 +0R		5.4 +0R		5.4 +0R	
		6"	q_a q_f	771	1233	771	1233	771	1233	771	1233	771	1233	771	1233	771	1233	673	1076	545	872
			F	5.7 -0.1R		5.7 -0.1R		5.7 +0R		5.7 +0R		5.7 +0R		5.7 +0R		5.8 +0R		5.8 +0R		5.8 +0R	
		8"	q_a q_f	771	1233	771	1233	771	1233	771	1233	771	1233	771	1233	771	1233	673	1076	545	872
			F	6 -0.1R		6.1 -0.1R		6.1 -0.1R		6.1 -0.1R		6.1 -0.1R		6.1 +0R		6.1 +0R		6.1 +0R		6.1 +0R	
		12"	q_a q_f	771	1233	771	1233	771	1233	771	1233	771	1233	771	1233	771	1233	673	1076	545	872
			F	6.6 -0.3R		6.7 -0.2R		6.8 -0.2R		6.8 -0.1R		6.9 -0.1R		6.9 -0.1R		6.9 -0.1R		6.9 -0.1R		6.9 -0.1R	
		18"	q_a q_f	771	1233	752	1233	770	1233	717	1183	679	1121	702	1158	675	1114	654	1076	545	872
			F	7.4 -0.5R		7.6 -0.4R		7.8 -0.3R		7.8 -0.3R		7.9 -0.2R		7.9 -0.2R		8 -0.2R		8 -0.2R		8 -0.2R	
		24"	q_a q_f	713	1176	637	1051	597	985	572	944	555	916	543	896	534	881	526	869	521	859
			F	8.1 -0.7R		8.5 -0.6R		8.7 -0.5R		8.8 -0.5R		8.9 -0.4R		9 -0.4R		9 -0.3R		9.1 -0.3R		9.1 -0.3R	

N-32 32/5 Support Attachment: 0.5" Effective Dia. Arc Spot Weld Side Seam Attachment: Top Seam Side-Lap Weld

N-32 3.8

Arc Spot/Seam Welds to Supports with Button Punch Side Seam Attachments

Diaphragm Shear in pounds per linear foot (plf)



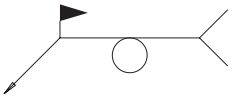
Support Fastener Pattern	Gage	Seam Attach. Spacing	Allowable Shear (q_a) (plf), Factored Shear (q_f) (plf), and Flexibility Factor (F) (10^{-6} in/lbs)																	
			Span →	4' - 0"		6' - 0"		8' - 0"		10' - 0"		12' - 0"		14' - 0"		16' - 0"		18' - 0"		20' - 0"	
32/5	16 ga	4"	q_a q_f	972	1603	655	1082	517	852	433	715	378	623	338	558	308	509	285	471	267	440
			F	7.9 -2R		9.4 -2.3R		10.6 -2.4R		11.4 -2.4R		12.1 -2.4R		12.6 -2.4R		13.1 -2.3R		13.5 -2.2R		13.8 -2.2R	
		6"	q_a q_f	938	1548	622	1027	483	797	400	660	344	568	305	503	275	454	252	416	233	385
			F	8.7 -2.5R		10.7 -3R		12.3 -3.4R		13.6 -3.5R		14.7 -3.6R		15.6 -3.7R		16.4 -3.7R		17 -3.6R		17.6 -3.6R	
		8"	q_a q_f	922	1521	605	999	467	770	383	632	328	541	288	475	258	426	235	388	217	357
			F	9.1 -2.8R		11.6 -3.5R		13.5 -4R		15.2 -4.4R		16.6 -4.6R		17.8 -4.8R		18.9 -4.8R		19.8 -4.9R		20.6 -4.9R	
		12"	q_a q_f	905	1493	589	972	450	742	367	605	311	513	271	448	242	399	218	361	200	330
			F	9.7 -3.1R		12.6 -4.2R		15.1 -5R		17.3 -5.6R		19.2 -6.1R		20.9 -6.4R		22.4 -6.7R		23.8 -6.9R		25 -7.1R	
		18"	q_a q_f	897	1493	578	953	442	729	357	588	300	495	262	432	231	382	207	342	190	313
			F	10.1 -3.4R		13.4 -4.7R		16.3 -5.8R		19 -6.7R		21.5 -7.4R		23.7 -8.1R		25.7 -8.6R		27.6 -9.1R		29.4 -9.5R	
		24"	q_a q_f	888	1466	572	944	433	715	350	577	294	486	255	420	225	371	202	333	183	302
			F	10.3 -3.5R		13.8 -5R		17 -6.2R		20.1 -7.3R		22.8 -8.3R		25.4 -9.2R		27.9 -9.9R		30.1 -10.6R		32.2 -11.2R	
	18 ga	4"	q_a q_f	777	1282	536	885	427	705	362	597	318	525	287	473	264	435	245	405	231	381
			F	9.2 -2.3R		10.9 -2.6R		12.1 -2.7R		13.1 -2.7R		13.8 -2.7R		14.5 -2.7R		15 -2.6R		15.4 -2.5R		15.7 -2.4R	
		6"	q_a q_f	743	1227	503	830	394	650	328	542	285	470	254	418	230	380	212	350	197	326
			F	10 -2.8R		12.3 -3.4R		14.1 -3.8R		15.6 -4R		16.8 -4.1R		17.8 -4.1R		18.6 -4.1R		19.3 -4.1R		20 -4R	
		8"	q_a q_f	727	1199	486	802	377	622	312	514	268	442	237	391	214	352	195	322	181	298
			F	10.5 -3.1R		13.2 -3.9R		15.5 -4.5R		17.3 -4.9R		18.9 -5.2R		20.2 -5.3R		21.4 -5.4R		22.4 -5.5R		23.3 -5.5R	
		12"	q_a q_f	710	1172	469	775	360	595	295	487	251	415	220	363	197	325	179	295	164	271
			F	11.1 -3.5R		14.4 -4.7R		17.2 -5.5R		19.6 -6.2R		21.8 -6.8R		23.7 -7.2R		25.4 -7.5R		26.9 -7.7R		28.3 -7.9R	
		18"	q_a q_f	702	1172	458	756	352	581	285	470	240	396	211	348	186	308	168	277	154	254
			F	11.6 -3.8R		15.2 -5.2R		18.6 -6.4R		21.6 -7.5R		24.3 -8.3R		26.8 -9R		29.1 -9.7R		31.2 -10.2R		33.2 -10.6R	
		24"	q_a q_f	693	1144	453	747	344	567	278	459	235	387	204	336	180	297	162	267	147	243
			F	11.8 -4R		15.7 -5.6R		19.4 -7R		22.7 -8.2R		25.8 -9.3R		28.8 -10.3R		31.5 -11.1R		34 -11.8R		36.4 -12.5R	
	20 ga	4"	q_a q_f	493	813	357	590	293	483	254	420	229	377	210	347	196	324	186	307	177	292
			F	11.1 -2.6R		13.1 -3R		14.5 -3.1R		15.6 -3.2R		16.5 -3.1R		17.2 -3.1R		17.8 -3R		18.2 -2.9R		18.7 -2.8R	
		6"	q_a q_f	459	758	324	535	260	428	221	365	195	322	177	292	163	269	152	252	144	237
			F	12.1 -3.2R		14.7 -3.9R		16.8 -4.3R		18.5 -4.6R		19.9 -4.7R		21 -4.7R		22 -4.7R		22.8 -4.7R		23.5 -4.6R	
		8"	q_a q_f	443	730	307	507	243	401	204	337	179	295	160	264	146	242	136	224	127	210
			F	12.6 -3.6R		15.8 -4.6R		18.3 -5.2R		20.5 -5.7R		22.3 -6R		23.9 -6.1R		25.2 -6.3R		26.4 -6.3R		27.4 -6.3R	
		12"	q_a q_f	426	703	291	480	226	373	188	310	162	267	144	237	130	214	119	197	111	182
			F	13.3 -4R		17.1 -5.4R		20.3 -6.4R		23.1 -7.2R		25.6 -7.8R		27.8 -8.3R		29.8 -8.7R		31.6 -8.9R		33.1 -9.1R	
		18"	q_a q_f	418	703	280	461	218	360	178	293	151	249	134	221	119	197	108	178	101	166
			F	13.8 -4.4R		18.1 -6R		21.9 -7.4R		25.4 -8.6R		28.6 -9.6R		31.4 -10.4R		34.1 -11.1R		36.5 -11.7R		38.8 -12.2R	
		24"	q_a q_f	409	675	274	452	210	346	171	282	145	240	127	209	113	187	102	169	94	155
			F	14.1 -4.6R		18.7 -6.4R		22.9 -8.1R		26.7 -9.5R		30.3 -10.7R		33.7 -11.8R		36.8 -12.8R		39.7 -13.7R		42.5 -14.4R	
	22 ga	4"	q_a q_f	379	625	285	470	239	394	211	348	192	317	179	296	169	279	162	267	155	256
			F	12.5 -2.9R		14.7 -3.3R		16.3 -3.4R		17.5 -3.5R		18.5 -3.4R		19.2 -3.4R		19.9 -3.3R		20.4 -3.2R		20.8 -3.1R	
		6"	q_a q_f	345	570	251	415	205	339	178	293	159	262	146	241	136	224	128	212	122	201
			F	13.6 -3.5R		16.5 -4.3R		18.8 -4.7R		20.6 -5R		22.2 -5.1R		23.4 -5.2R		24.5 -5.2R		25.4 -5.1R		26.2 -5.1R	
		8"	q_a q_f	329	542	235	387	189	311	161	265	142	235	129	213	119	197	112	184	105	174
			F	14.3 -3.9R		17.7 -5R		20.5 -5.7R		22.8 -6.2R		24.8 -6.5R		26.5 -6.7R		28 -6.9R		29.3 -6.9R		30.4 -6.9R	
		12"	q_a q_f	312	515	218	360	172	284	144	238	126	207	113	186	103	169	95	157	89	146
			F	15 -4.4R		19.1 -5.9R		22.6 -7R		25.7 -7.9R		28.5 -8.6R		30.9 -9.1R		33 -9.5R		35 -9.8R		36.7 -10R	
		18"	q_a q_f	304	515	207	342	164	270	134	221	115	189	103	170	92	152	84	138	79	130
			F	15.6 -4.8R		20.2 -6.6R		24.4 -8.1R		28.2 -9.4R		31.7 -10.5R		34.8 -11.4R		37.7 -12.2R		40.4 -12.8R		42.9 -13.4R	
		24"	q_a q_f	295	487	201	332	155	256	128	210	109	180	96	158	86	142	78	129	72	119
			F	15.9 -5R		20.9 -7R		25.4 -8.8R		29.7 -10.4R		33.6 -11.8R		37.3 -13R		40.7 -14R		43.9 -15R		46.9 -15.8R	

N-32 32/5 Support Attachment: 0.5" Effective Dia. Arc Spot Weld Side Seam Attachment: Button Punch

3.8 **N-32**

Arc Spot/Seam Welds to Supports with No. 12 Self-Drilling Side Lap Screws

Diaphragm Shear in pounds per linear foot (plf)



Support Fastener Pattern	Gage	Seam Attach. Spacing	Allowable Shear (q_a) (plf), Factored Shear (q_f) (plf), and Flexibility Factor (F) (10^{-6} in/lbs)																			
			Span →	4' - 0"		6' - 0"		8' - 0"		10' - 0"		12' - 0"		14' - 0"		16' - 0"		18' - 0"		20' - 0"	
32/5	16 ga	4"	q_a q_f	2389	3942	2184	3604	2075	3423	2007	3311	1960	3235	1927	3179	1901	3137	1856	2969	1503	2405
			F	3.6	-0.2R	3.7	-0.1R	3.7	-0.1R	3.7	-0.1R	3.7	-0.1R	3.7	-0.1R	3.8	-0.1R	3.8	+0R	3.8	+0R
		6"	q_a q_f	1973	3256	1731	2857	1604	2646	1525	2516	1471	2427	1432	2364	1403	2315	1380	2278	1362	2247
			F	4.1	-0.3R	4.3	-0.2R	4.3	-0.2R	4.4	-0.2R	4.4	-0.1R	4.4	-0.1R	4.5	-0.1R	4.5	-0.1R	4.5	-0.1R
		8"	q_a q_f	1738	2868	1479	2440	1342	2214	1258	2076	1201	1982	1160	1915	1130	1864	1105	1824	1086	1792
			F	4.6	-0.4R	4.8	-0.4R	4.9	-0.3R	5	-0.3R	5	-0.2R	5.1	-0.2R	5.1	-0.2R	5.1	-0.2R	5.2	-0.2R
		12"	q_a q_f	1486	2452	1174	1937	1035	1708	952	1570	896	1479	857	1413	827	1364	804	1326	785	1295
			F	5.3	-0.7R	5.7	-0.6R	6	-0.6R	6.1	-0.5R	6.2	-0.5R	6.3	-0.4R	6.4	-0.4R	6.4	-0.4R	6.5	-0.3R
		18"	q_a q_f	1336	2452	968	1597	880	1453	766	1264	690	1139	680	1122	634	1045	597	986	600	989
			F	6.2	-1.1R	6.9	-1.1R	7.3	-1R	7.6	-0.9R	7.8	-0.9R	8	-0.8R	8.1	-0.8R	8.2	-0.7R	8.3	-0.7R
		24"	q_a q_f	1181	1949	865	1427	726	1198	643	1060	587	969	547	903	518	854	494	816	476	785
			F	6.8	-1.4R	7.8	-1.5R	8.4	-1.4R	8.9	-1.4R	9.2	-1.3R	9.4	-1.2R	9.7	-1.2R	9.8	-1.1R	10	-1R
	18 ga	4"	q_a q_f	1793	2918	1625	2681	1535	2532	1479	2440	1441	2378	1414	2332	1393	2298	1339	2142	1084	1735
			F	4.3	-0.2R	4.4	-0.1R	4.4	-0.1R	4.5	-0.1R	4.5	-0.1R	4.5	-0.1R	4.5	-0.1R	4.5	-0.1R	4.5	+0R
		6"	q_a q_f	1485	2450	1290	2128	1187	1958	1123	1853	1080	1783	1049	1731	1026	1693	1008	1663	993	1638
			F	4.9	-0.3R	5.1	-0.3R	5.1	-0.2R	5.2	-0.2R	5.2	-0.2R	5.3	-0.1R	5.3	-0.1R	5.3	-0.1R	5.3	-0.1R
		8"	q_a q_f	1313	2166	1099	1813	990	1634	925	1526	881	1454	850	1402	827	1364	808	1333	792	1308
			F	5.4	-0.5R	5.7	-0.4R	5.8	-0.3R	5.9	-0.3R	6	-0.3R	6	-0.2R	6	-0.2R	6.1	-0.2R	6.1	-0.2R
		12"	q_a q_f	1119	1846	878	1449	769	1269	704	1161	660	1089	629	1038	606	999	587	969	573	945
			F	6.3	-0.8R	6.7	-0.7R	7	-0.6R	7.2	-0.6R	7.3	-0.5R	7.4	-0.5R	7.4	-0.4R	7.5	-0.4R	7.5	-0.4R
		18"	q_a q_f	1008	1846	731	1206	659	1087	571	942	513	846	503	829	467	771	440	726	440	726
			F	7.2	-1.2R	8	-1.2R	8.5	-1.1R	8.8	-1R	9	-1R	9.2	-0.9R	9.4	-0.8R	9.5	-0.8R	9.6	-0.7R
		24"	q_a q_f	898	1481	657	1084	548	904	483	796	439	724	408	673	385	634	366	604	352	580
			F	7.9	-1.6R	9	-1.6R	9.7	-1.6R	10.2	-1.5R	10.6	-1.5R	10.9	-1.4R	11.1	-1.3R	11.3	-1.2R	11.5	-1.2R
	20 ga	4"	q_a q_f	1080	1728	1014	1673	964	1590	932	1538	911	1503	895	1477	883	1458	874	1406	712	1139
			F	5.5	-0.2R	5.6	-0.2R	5.6	-0.1R	5.7	-0.1R	5.7	-0.1R	5.7	-0.1R	5.7	-0.1R	5.7	-0.1R	5.7	-0.1R
		6"	q_a q_f	916	1511	804	1326	745	1229	708	1169	683	1128	666	1098	652	1076	641	1058	633	1044
			F	6.2	-0.4R	6.4	-0.3R	6.4	-0.3R	6.5	-0.2R	6.5	-0.2R	6.6	-0.2R	6.6	-0.1R	6.6	-0.1R	6.6	-0.1R
		8"	q_a q_f	807	1331	686	1133	623	1028	584	964	558	921	539	890	525	866	514	848	505	833
			F	6.8	-0.6R	7	-0.5R	7.2	-0.4R	7.3	-0.3R	7.4	-0.3R	7.4	-0.3R	7.5	-0.2R	7.5	-0.2R	7.5	-0.2R
		12"	q_a q_f	680	1123	545	899	481	793	442	729	416	687	398	657	384	634	373	616	365	602
			F	7.8	-0.9R	8.3	-0.8R	8.6	-0.7R	8.8	-0.7R	8.9	-0.6R	9	-0.5R	9.1	-0.5R	9.2	-0.5R	9.2	-0.4R
		18"	q_a q_f	608	1123	449	741	409	674	356	587	320	529	316	521	294	486	278	458	279	460
			F	8.9	-1.4R	9.7	-1.4R	10.3	-1.3R	10.7	-1.2R	10.9	-1.1R	11.2	-1R	11.3	-1R	11.5	-0.9R	11.6	-0.8R
		24"	q_a q_f	537	885	401	662	337	556	298	492	272	450	254	419	240	397	230	379	221	365
			F	9.7	-1.8R	10.9	-1.9R	11.7	-1.9R	12.3	-1.8R	12.7	-1.7R	13.1	-1.6R	13.3	-1.5R	13.5	-1.4R	13.7	-1.3R
	22 ga	4"	q_a q_f	771	1233	752	1233	717	1183	695	1147	680	1122	669	1104	661	1091	655	1076	545	872
			F	6.4	-0.2R	6.5	-0.2R	6.6	-0.1R	6.6	-0.1R	6.6	-0.1R	6.6	-0.1R	6.6	-0.1R	6.7	-0.1R	6.7	-0.1R
		6"	q_a q_f	675	1114	596	984	554	915	529	872	511	843	498	822	489	807	481	794	475	784
			F	7.2	-0.4R	7.4	-0.3R	7.5	-0.3R	7.5	-0.2R	7.6	-0.2R	7.6	-0.2R	7.6	-0.2R	7.7	-0.1R	7.7	-0.1R
		8"	q_a q_f	594	979	508	838	463	764	436	719	417	688	403	666	393	649	385	636	379	625
			F	7.8	-0.6R	8.1	-0.5R	8.3	-0.4R	8.4	-0.4R	8.5	-0.3R	8.5	-0.3R	8.6	-0.3R	8.6	-0.2R	8.6	-0.2R
		12"	q_a q_f	497	821	403	666	357	589	330	544	311	513	298	491	288	475	280	462	274	452
			F	8.9	-1R	9.4	-0.9R	9.8	-0.8R	10	-0.7R	10.2	-0.7R	10.3	-0.6R	10.4	-0.5R	10.4	-0.5R	10.5	-0.5R
		18"	q_a q_f	443	821	331	545	303	499	264	436	238	393	235	388	220	362	207	342	209	344
			F	10.1	-1.6R	11.1	-1.5R	11.7	-1.4R	12.1	-1.3R	12.4	-1.2R	12.6	-1.1R	12.8	-1.1R	13	-1R	13.1	-0.9R
		24"	q_a q_f	388	640	294	485	248	409	220	363	202	333	189	311	179	295	171	282	165	272
			F	11	-2R	12.3	-2.1R	13.2	-2R	13.9	-1.9R	14.3	-1.8R	14.7	-1.7R	15	-1.6R	15.2	-1.5R	15.4	-1.5R

N-32 32/5 Support Attachment: 0.5" Effective Dia. Arc Spot Weld Side Seam Attachment: #12 SD HWH Screw