

ERRATA

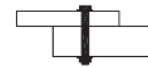
to the 2024 Edition of the *National Design Specification® (NDS®)*

(First Electronic Release: November 29, 2023)

Page 100 **Revision** Replace Table 12A – BOLTS: Reference Lateral Design Values, Z, for Single Shear (two member)^{1,2} Connections (continued) with the following table:

Table 12A BOLTS: Reference Lateral Design Values, Z, for Single Shear (two member) Connections^{1,2}

for sawn lumber or SCL with both members of identical specific gravity



Main Member Thickness t _m in.	Side Member Thickness t _s in.	Bolt Diameter D in.	G=0.43 Hem-Fir				G=0.42 Spruce-Pine-Fir				G=0.37 Redwood				G=0.36 Eastern Softwoods Spruce-Pine-Fir(S), Western Cedars, Western Woods				G=0.35 Northern Species			
			Z lbs.	Z _{sL} lbs.	Z _{mL} lbs.	Z _⊥ lbs.	Z lbs.	Z _{sL} lbs.	Z _{mL} lbs.	Z _⊥ lbs.	Z lbs.	Z _{sL} lbs.	Z _{mL} lbs.	Z _⊥ lbs.	Z lbs.	Z _{sL} lbs.	Z _{mL} lbs.	Z _⊥ lbs.	Z lbs.	Z _{sL} lbs.	Z _{mL} lbs.	Z _⊥ lbs.
1-1/2	1-1/2	1/2	410	250	250	180	410	240	240	170	360	210	210	140	350	200	200	130	340	200	200	130
		5/8	520	300	300	190	510	290	290	190	450	250	250	160	440	240	240	150	420	240	240	150
		3/4	620	350	350	210	610	340	340	210	540	290	290	170	520	280	280	170	500	270	270	160
		7/8	720	390	390	230	710	380	380	220	630	330	330	190	610	320	320	180	590	310	310	170
1-3/4	1-3/4	1	830	440	440	250	810	430	430	240	720	370	370	200	700	360	360	190	670	350	350	190
		1/2	480	290	290	210	470	280	280	200	420	250	250	170	410	240	240	160	390	230	230	150
		5/8	600	350	350	230	590	340	340	220	520	290	290	190	510	280	280	180	490	270	270	170
		3/4	720	400	400	250	710	390	390	240	630	340	340	200	610	330	330	190	590	320	320	190
2-1/2	1-1/2	7/8	850	460	460	270	830	450	450	260	730	390	390	220	710	380	380	210	690	360	360	200
		1	970	510	510	290	950	500	500	280	840	430	430	230	820	420	420	230	790	410	410	220
		1/2	550	320	310	250	540	320	300	240	500	290	250	200	490	280	240	190	470	280	240	180
		5/8	730	420	360	270	710	410	350	270	630	350	300	220	610	330	290	210	590	320	280	210
3-1/2	1-1/2	3/4	870	460	410	300	850	450	400	290	750	370	340	240	740	360	330	230	710	350	320	230
		7/8	1020	500	450	320	1000	490	440	310	880	410	380	260	860	390	370	250	830	370	350	240
		1	1160	540	500	350	1140	530	490	340	1010	440	420	280	980	420	410	270	940	410	390	260
		1/2	550	320	380	290	540	320	370	280	500	290	320	250	490	280	300	250	480	280	290	240
3-1/2	1-1/2	5/8	790	420	440	370	780	410	430	360	720	350	370	300	710	330	350	290	700	320	340	280
		3/4	1100	460	500	400	1080	450	480	390	1010	370	410	320	990	360	400	310	950	350	380	300
		7/8	1370	500	550	430	1340	490	540	420	1180	410	460	350	1160	390	440	340	1110	370	420	320
		1	1570	540	600	470	1530	530	590	460	1350	440	500	380	1320	420	480	370	1270	410	470	350
5-1/4	1-3/4	1/2	590	340	400	300	580	330	390	290	530	300	330	260	520	290	320	250	510	280	310	250
		5/8	840	480	460	370	820	470	450	360	760	400	390	310	740	380	370	290	730	370	360	280
		3/4	1130	540	520	410	1120	530	510	400	1030	430	430	330	1000	420	420	320	970	410	410	310
		7/8	1390	580	580	440	1360	570	570	430	1200	470	480	360	1170	460	470	350	1130	430	440	320
5-1/4	1-1/2	1	1590	630	640	480	1550	610	630	460	1370	510	530	380	1340	490	520	370	1290	470	500	360
		1/2	660	440	440	390	660	430	430	380	620	400	400	330	610	390	390	310	600	380	380	310
		5/8	1040	600	600	450	1020	590	590	440	960	520	520	370	950	500	500	350	930	490	490	340
		3/4	1450	740	740	500	1420	730	730	480	1250	650	650	400	1220	630	630	390	1180	620	620	370
5-1/4	3-1/2	7/8	1690	910	910	540	1660	890	890	520	1460	770	770	440	1430	750	750	420	1370	720	720	390
		1	1930	1030	1030	580	1890	1000	1000	560	1670	870	870	470	1630	840	840	450	1570	810	810	430
		5/8	790	420	530	410	780	410	520	400	720	350	470	350	710	330	460	330	700	320	450	320
		3/4	1100	460	690	460	1080	450	670	450	1010	370	560	370	990	360	540	360	970	350	530	350
5-1/4	1-1/2	7/8	1460	500	750	500	1440	490	730	490	1350	410	620	410	1330	390	600	390	1280	370	560	370
		1	1800	540	820	540	1760	530	800	530	1560	440	670	440	1520	420	650	420	1460	410	630	410
		5/8	840	480	560	410	820	470	550	410	760	400	500	370	740	380	480	360	730	370	470	350
		3/4	1130	540	700	540	1120	530	680	530	1040	430	570	430	1020	420	560	420	1000	410	540	410
5-1/4	3-1/2	7/8	1490	580	770	580	1470	570	750	570	1370	470	640	470	1350	460	620	460	1320	430	580	430
		1	1910	630	850	630	1890	610	820	610	1760	510	690	510	1740	490	670	490	1700	470	650	470
		5/8	1040	600	660	530	1020	590	650	520	960	520	610	460	950	500	590	440	930	490	580	430
		3/4	1490	740	900	640	1480	730	880	620	1390	650	750	520	1370	630	730	500	1330	620	710	480
5-1/2	1-1/2	7/8	1950	920	1010	690	1920	910	990	670	1740	820	850	560	1710	800	830	550	1660	770	780	510
		1	2370	1140	1130	750	2330	1120	1100	730	2120	1020	940	600	2080	980	910	580	2030	950	880	560
		5/8	790	420	530	410	780	410	520	400	720	350	470	350	710	330	460	330	700	320	450	320
		3/4	1100	460	700	460	1080	450	690	450	1010	370	580	370	990	360	570	360	970	350	550	350
5-1/2	3-1/2	7/8	1460	500	780	500	1440	490	760	490	1350	410	650	410	1330	390	630	390	1280	370	590	370
		1	1800	540	860	540	1760	530	830	530	1560	440	700	440	1520	420	680	420	1460	410	650	410
		5/8	1040	600	660	530	1020	590	650	520	960	520	610	460	950	500	590	440	930	490	580	430
		3/4	1490	740	920	650	1480	730	900	640	1390	650	770	530	1370	630	750	520	1330	620	720	500
7-1/2	1-1/2	7/8	1950	920	1030	720	1920	910	1010	700	1740	820	870	590	1710	800	840	570	1660	770	800	530
		1	2370	1140	1150	780	2330	1120	1120	760	2120	1020	960	630	2080	980	930	600	2030	950	890	580
		5/8	790	420	530	410	780	410	520	400	720	350	470	350	710	330	460	330	700	320	450	320
		3/4	1100	460	700	460	1080	450	690	450	1010	370	630	370	990	360	620	360	970	350	600	350
7-1/2	3-1/2	7/8	1460	500	900	500	1440	490	890	490	1350	410	810	410	1330	390	800	390	1280	370	770	370
		1	1800	540	1130	540	1760	530	1110	530	1560	440	920	440	1520	420	890	420	1460	410	860	410
		5/8	1040	600	660	530	1020	590	650	520	960	520	610	460	950	500						



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Page **Revision**
23 Delete “*” in the F_{cE} term under “where:” in Eq. 3.7-1 as shown in red strike-out below:

where:

$$F_{cE} = \frac{0.822 E_{min}'}{(l_e / d)^2}$$