

# TECHNICAL DATA

**RSS<sup>TM</sup>**

**TABLE 4 - RSS<sup>TM</sup> ULTIMATE LATERAL VALUES (Z)  
 FOR SINGLE SHEAR (TWO-MEMBER) CONNECTIONS<sup>1</sup>  
 [For Sawn Lumber or SCL with Both Members of Identical Specific Gravity]**

FASTENER DESIGNATION	SIDE MEMBER THICKNESS $t_s$ (inches)	FASTENER PENETRATION $p$ (inches)	ULTIMATE LATERAL DESIGN VALUE, Z (pounds)				
			FOR SPECIFIC GRAVITIES OF:				
			0.55		0.42		
			Parallel to Grain $Z_{\parallel}$	Perpendicular to Grain $Z_{\perp}$	Parallel to Grain $Z_{\parallel}$	Perpendicular to Grain $Z_{\perp}$	
RSS	1/4 x 2 1/2"	3/4	1 5/8	876	875	767	685
	1/4 x 2 3/4"	3/4	2				
	1/4 x 3 1/8"	3/4	2 3/8				
	1/4 x 3 1/2"	3/4	2 3/4	1068	916	903	755
	5/16 x 2 1/2"	3/4	1 5/8				
	5/16 x 2 3/4"	3/4	2	1088	890	840	663
	5/16 x 3 1/8"	3/4	2 3/8				
	5/16 x 3 1/2"	3/4	2 3/4				
	5/16 x 4"	1 1/2	2 3/8	1667	1417	1196	1178
	5/16 x 5 1/8"	1 1/2	3 1/2	1857	1286	1314	1565
	5/16 x 6"	2	3 7/8	2360	1446	1326	1496
	3/8 x 3 1/8"	3/4	2 3/8	1253	1098	942	780
	3/8 x 4"	1 1/2	2 3/8	1443	1454	1441	1025
	3/8 x 5 1/8"	1 1/2	3 5/8	1369	1321	1119	1303
	3/8 x 6"	2	3 7/8	1625	1440	1350	1479
	3/8 x 7 1/4"	2 3/4	4 1/4	2964	1518	2113	1455
	3/8 x 8"	3 1/2	4 3/8				
	3/8 x 10"	3 1/2	6 1/4				
3/8 x 12"	3 1/2	8 3/8					
3/8 x 14 1/8"	3 1/2	10 5/8					
3/8 x 16"	3 1/2	12 1/8					
LPS	1/4 x 6"	3	2 7/8	1789	1093	1243	1285
	1/4 x 8"	5	2 7/8				
	1/4 x 9"	6	3				
	1/4 x 10"	7	2 7/8				
	1/4 x 11"	8	2 7/8				
	1/4 x 12"	9	2 3/4				
	1/4 x 14"	11	2 7/8				
LTF	3/8 x 8"	4	3 7/8	2779	2008	2165	1577
	3/8 x 10"	6	3 7/8				
	3/8 x 12"	8	3 3/4				
	3/8 x 15"	11	3 3/4				
	3/8 x 18"	14	4				
	3/8 x 20"	16	3 5/8				
PHEINOX	1/4 x 2 1/2"	3/4	1 5/8	1077	925	812	672
	1/4 x 3 1/8"	3/4	2 3/8				
	5/16 x 2 1/2"	3/4	1 5/8	906	873	756	744
	5/16 x 3 1/8"	3/4	2 3/8				
	5/16 x 4"	1 1/2	2 3/8	1884	1361	1244	1146
	5/16 x 5 1/8"	1 1/2	3 5/8				
5/16 x 6"	2	3 7/8	2246	1791	1509	1698	
JTS	1/4 x 3 3/8"	1 3/4	1 5/8	830	983	619	841
	1/4 x 5"	1 3/4	3 1/4	1203	1184	752	1103
	1/4 x 6 3/4"	1 3/4	5				

For SI: 1 inch = 25.4 mm.

<sup>1</sup> Lateral load testing was performed in accordance with ASTM D 1761.

These figures are only offered as a guide and are not reduce by any safety factor.  
 For safety factor requirements in your area, contact your local building official, architect or engineer.

**TECH DATA**