

**TABLE 2 STAPLE DIMENSIONS AND NORMAL, LATERAL DESIGN LOADS<sup>1,2</sup>**

<b>STAPLE<sup>3</sup></b>		<b>LATERAL LOAD</b>	
<b>Gage</b>	<b>Diameter, In Inches</b>	<b>Minimum Penetration, In Inches</b>	<b>Load' (IM)</b>
<b>14</b>	<b>0.080</b>	<b>1</b>	<b>75</b>
<b>15</b>	<b>0.072</b>	<b>1</b>	<b>64</b>
<b>16</b>	<b>0.0625</b>	<b>1</b>	<b>52</b>

<sup>1</sup>Design values are based on a 10-year "normal load" duration.

Table values shall be multiplied by applicable adjustment factors such as for load duration, wet service, temperature, end grain, and toe-nailing. Where metal side plates are used, lateral strength values may be increased 25 percent.

Staples shall have a 7/16-inch minimum outside dimension crown width.

The tabulated penetrations are for staples installed in Group I or II species. Penetration shall be increased to 13 diameters for Group HI and 14 diameters for Group IV species.

<sup>5</sup>The tabulated allowable lateral values are for staples installed in Douglas Fir, Larch or Southern Pine (Group II species). Species groups are described in Table A of the Appendix. To determine the allowable values when both the attached wood member and the supporting (main) wood member are in the same group, but are not Group II, multiply the values listed in the above table by the following conversion factors: I-1.23, III-0.82, IV-0.65. If the attached and supporting members are in different groups, use the conversion factor for the wood in the higher group. See Table A of the Appendix for a list of the wood species included in each group.