

NOTES: (for use with details on Dwg. No. 8.2.1)

1. Bearing diameter shall be set to whole number increments of 1", for example: 6", 7", etc. For NEBT beams, minimum bearing diameter shall be set at 14" to aid beam stability during erection.
2. A minimum thickness of a single elastomer layer shall be $\frac{1}{4}$ ". Bottom cover layer shall be $\frac{1}{4}$ " for bearings with thickness less or equal to 5" and $\frac{1}{2}$ " for thicker bearings. Furthermore, it shall be no thicker than 70% of the individual internal layer.
3. Steel laminates shall have a minimum thickness of 11 gage ($\frac{1}{8}$ "). Thickness of steel laminates in inches shall be used to calculate total bearing thickness.
4. Use only the elastomer layers below the tapered load plate for design. See Chapter 3, Part I of the Bridge Manual for bearing design requirements.
5. All bearings on any substructure unit shall have the same nominal compressive stiffness and shall be set level, except for adjacent beam bridges.
6. Provide tapered internal load plate if slope of beam bottom flange due to roadway grade and camber exceeds 1%, and provide detail of tapered internal load plate as shown on Dwg. No. 8.2.5. Otherwise, omit load plate, and delete Notes 4 and 5.



LRFD BRIDGE
MANUAL, PART II

ELASTOMERIC BEARING PAD DESIGNER NOTES

ELASTOMERIC BEARINGS – CONCRETE BEAMS

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