

Extended Gages

Part 10 of the AISC *M* contains a discussion entitled “Eccentric Effect of Extended Gages.” The discussion seems to indicate that the engineer can assume the

- If you are framing to a column web, in most cases I suspect it still may be more efficient to upsize the column than to resist the eccentricity at the bolts. However, a little more consideration is probably warranted and it is likely to be much more conditional.
- If you are framing to a girder, I suspect it is more efficient to resist the eccentricity at the bolts than to upsize the girder.
- Note that ductility needs to be considered regardless of the model assumed.

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Double-Slotted HSS Connections

Two plates are slotted into and welded to a round HSS tension member, as shown in Figure 1. Since I am connecting more of the section than is assumed in Case 5 of Table D3.1 in the AISC Specification, I assume it would be conservative to check tensile rupture using an effective area based on that case. Is this correct?

Probably not.

This condition falls outside the scope of Table D3.1;