

3 CALCULATION OF DESIGN ACTIONS

Applied design actions at a connection are assumed to be those shown in Figure 2

- a design bending moment about the section x-axis M^*
- a design shear force parallel to the section y-axis V^*
- a design axial force parallel to the member z-axis N^*

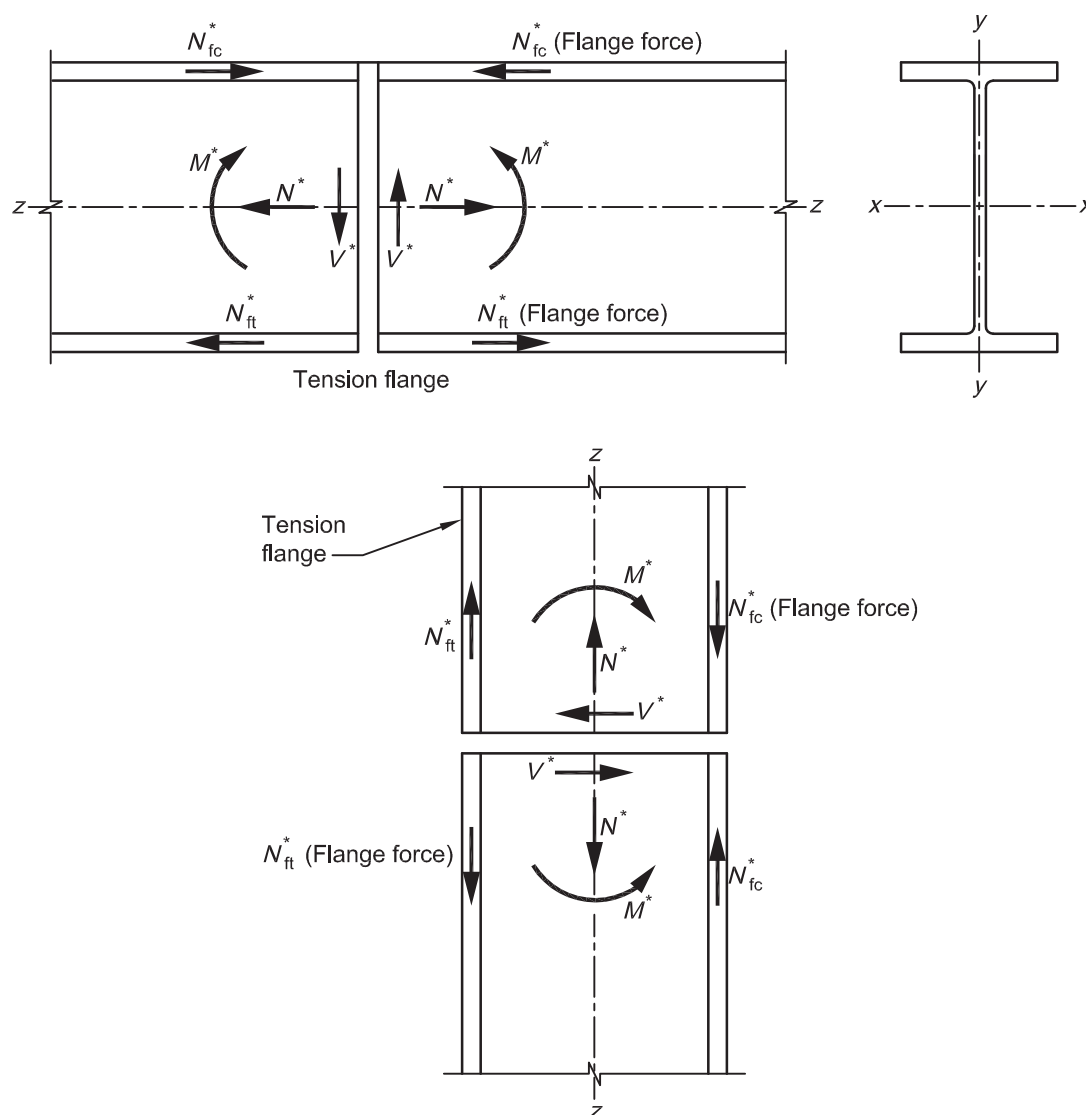


FIGURE 2 DESIGN ACTIONS AT SPLICE (Positive directions shown)

The design action effects at the connection can be determined from either:

- elastic analysis (Clause 4.4 of AS 4100) which could in turn be either—
 - a first order elastic analysis with moment amplification (Clause 4.4.2 of AS 4100);
 - a second order elastic analysis (Appendix E of AS 4100);
- or
- plastic analysis (Clause 4.5 of AS 4100).



Design Guide 13
Splice connections

by

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Splice connections

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