Cross section descriptions for FE programs

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1 Describing beam cross sections in POSEIDON, Sesam, and Patran

1.1 Flat bar

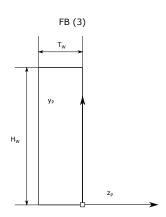


Figure 1: FB: Cross section dimensions in an POSEIDON flat bar.

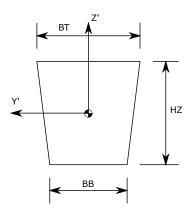


Figure 2: GBARM: Cross section dimensions in Sesam massive bar.

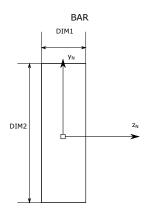


Figure 3: FB: Cross section dimensions in a NASTRAN flat bar.

1.2 HP profile

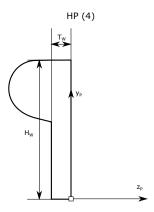


Figure 4: HP: Cross section dimensions in a POSEIDON HP profile section.

1.3 L bar

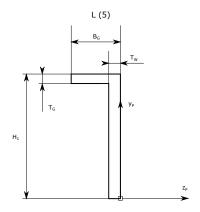


Figure 5: L: Cross section dimensions in a POSEIDON L profile section.

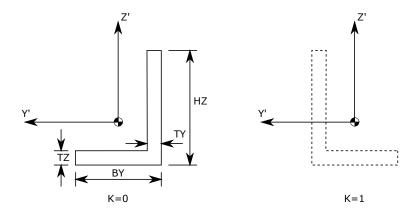


Figure 6: GLSEC: Cross section dimensions in a Sesam L profile section.

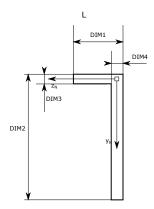


Figure 7: L: Cross section dimensions in a Nastran L profile section.

1.4 T beam

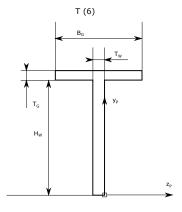


Figure 8: T: Cross section dimensions in a Poseidon T profile section.

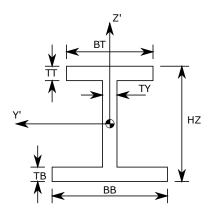


Figure 9: GIORH: Cross section dimensions in a Sesam GIORH profile section (used to model T sections).

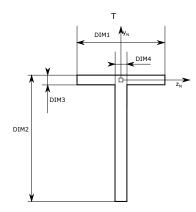


Figure 10: T: Cross section dimensions in a Nastran T profile section.