



ELLWOOD

YOUR METALS PARTNER, FROM MELT TO DISTRIBUTION



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HSNode™ ELLWOOD's Forged Steel Solution

Our Solution

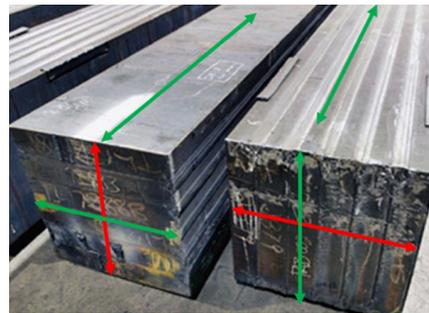
HSNode™ is Ellwood's forged steel solution for customers seeking structural plate/block thicker than available from rolling mills and/or requiring higher reduction ratios and triaxial forces unable to be supplied by rolling mills.

Using A572 as a starting point, the HSNode™ is tailored to combine weldability with mechanical properties allowing reliable Yield, Tensile, Elongation and impact values.

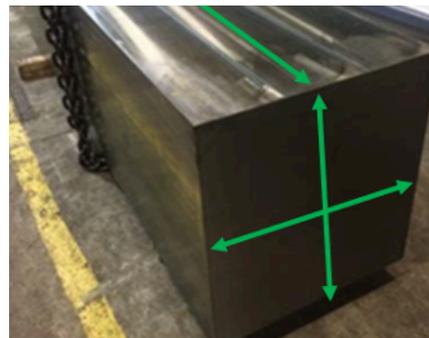
HSNode™ allows the engineer to design with blocks far exceeding the size constraints of plate mills, with our product having been delivered as thick as 60" and in pieces exceeding 200,000#.

Typically ordered to desired yield strength (Gr 50 / 60 / 65).

HSNode™ can also be precision machined to tailored shapes for integration into complex connections.



Laminated Welded Plate
Laminated plate cannot support load across the laminations



Forged HSNode™ Block
Solid forged block can support triaxial loads. Triaxial loading conditions must be evaluated using Von Mises yield criteria, consult your structural engineer for guidance.



ELLWOOD HSNode™
(50ksi min Yield Strength)
45,800 lbs. finished weight
(after machining from forged block)