

## LADLE HOOKS & BEAMS

Ladle beams with ladle hooks or J-hooks are used to transport molten metal safely.

Features:

- Laminated, riveted and welded steel hooks designed to AIST Technical Report No. 7.
- Hardened steel pins.
- Forged steel or fabricated chase blocks.
- Removable wear strips and bronze bushings.

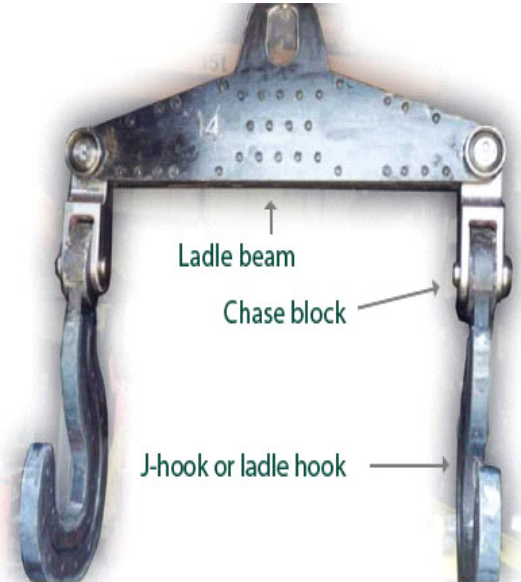


Paper roll sister-style hooks with bronze palm bushings, radial keys and keeper plates

- Palm bushings protect the paper roll or ladle trunion from wear.
- Radial key retains the palm bushings in place.



Four 260-ton riveted laminated ladle hooks with bronze palm bushings, welded bumper stops and 1040 steel eye bushings.



70-ton lifting bail with ladle hooks, chase blocks and pins.



An 80-ton capacity reeved in power rotating ladle beam with fabricated chase blocks and ladle hooks with bronze palm bushings and hardened steel eye bushings.



These 80-ton capacity riveted ladle hooks are for the 80ton ladle beam above.

# MANUFACTURING LIFTING HOOKS



#1 Laminated hook plates are leveled, flame cut, predrilled and then tack welded together.



#2 Hook plate holes are countersunk.



#3 Plate laminations are riveted together using a special air-powered riveting machine.



#4 Hook plates are riveted together. Rivets are placed in an electric heater until red hot.



#5 Hot rivet is inserted from bottom side.



#6 Rivet is punched using the riveting machine.



#7 Properly punched rivet



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