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

Features:
- Hardened steel pins.
- Forged steel or fabricated chase blocks.
- Removable wear strips and bronze bushings.

![Ladle beam and hooks](image1)

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.

![Paper roll sister-style hooks](image2)

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

![Four 260-ton riveted ladle hooks](image3)

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

![70-ton lifting bail](image4)

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.

![An 80-ton capacity reeved beam](image5)

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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