

• Cast steel

- molten steel into molds and allowing the steel to cool.

• Cold-worked steel

- causes steel to gain considerable strength through a realignment of its crystalline structure.

• Open-web steel

- mass produced truss used in closely spaced array to support floor and roof decks.

• K series Joists

- are for spans up to 60 ft. (18m)
- depth of ~~8~~ feet 8-30 inches (200-760 mm)

• LH series Joists

- 96 feet (29m)
- depth of 18 to 24 inches (460-1220 mm)

• DLH (Deep Longspan series)

- for roofs only
- 2 1/2 to 2 inches deep
- 44 feet long

• KA series Joist

- less than 2 ft (600mm)
- 40 feet deep.



Cast iron can brace it can fail without warning.

Cast iron: unpredictable

• wrought iron: malleable but weaker

• Open hearth method

- modern steel making process

