

The 45' long **tapered top section** is equipped with two sheaves for multiple reeving to handle rated loads of 56 tons with boom length of 110' (25' lower boom section, 45' tapered top section, plus 40' extension(s).) Maximum length boom is 230' and boom and jib is 230' plus 70'.

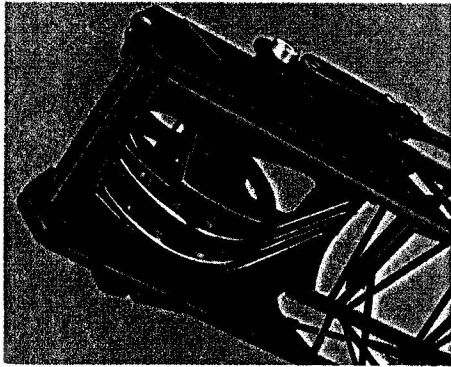
The 5' **hammerhead top section** is equipped with six sheaves for multiple reeving to handle rated loads of 125 tons (when pinned to the 25' lower boom section for minimum length of 30').

Maximum length boom is 230' and boom and jib is 200' plus 60'.

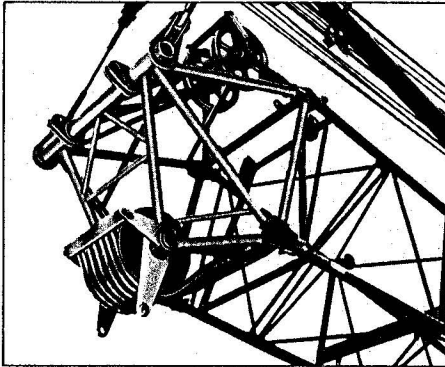
The 25' **open throat top section** is equipped with five sheaves for multiple reeving to handle rated loads of 115 tons (when pinned to the 25' lower section for minimum length of 50'). Maximum length boom is 230' and boom and jib is 200' plus 60'.

Dual, lever-type boom stops, each with spring-loaded bumpers, are standard. When the live mast is used for assembly

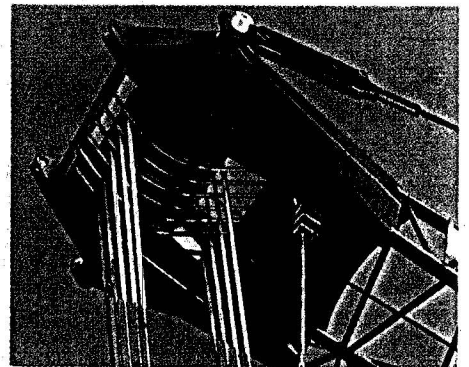
of an optional 10' boom section equipped with **offset lugs**. In addition, tubular **struts with offset lugs** are installed to mate with the offset lugs on the special section. Removal of upper boom connecting pins permits boom folding as shown in photo. Special 10' section and tubular struts can remain in place when extending the boom. Two links (A) inserted in the pendant lines and held in place with a shaft (B) mounted in position shown, serve to carry the pendants eliminating the necessity of disconnecting the pendants while boom



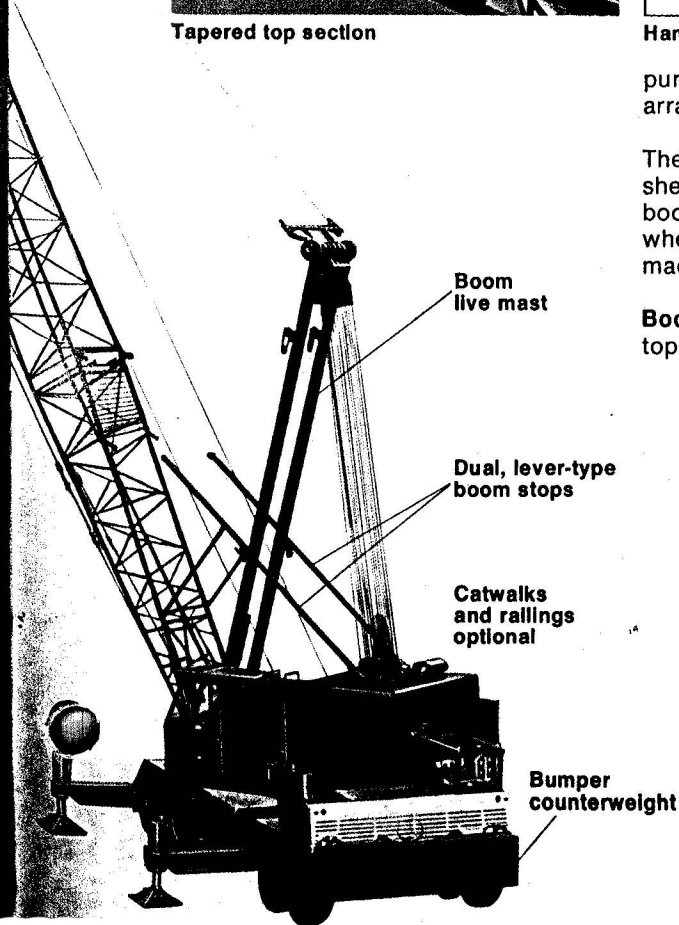
Tapered top section



Hammerhead top section



Open throat top section



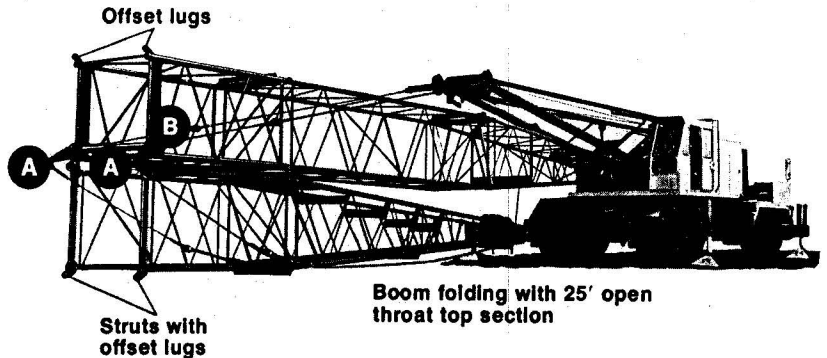
purposes, the boom stops can be arranged to serve as mast stops.

The **boom live mast** is equipped with sheaves and can be used for handling boom sections, counterweight, etc. when dismantling or assembling the machine.

Boom folding with the 25' open throat top section is possible with the insertion

of an optional 10' boom section equipped with **offset lugs**. In addition, tubular **struts with offset lugs** are installed to mate with the offset lugs on the special section. Removal of upper boom connecting pins permits boom folding as shown in photo. Special 10' section and tubular struts can remain in place when extending the boom. Two links (A) inserted in the pendant lines and held in place with a shaft (B) mounted in position shown, serve to carry the pendants eliminating the necessity of disconnecting the pendants while boom

is folded. Boom folding wheel and tire are mounted to boom peak. To reduce the over-all travel height, the boom live mast retracts from 30' to 25' 6". Controls for hydraulically extending the boom live mast are located on the operator's control console. Open throat boom lengths of 90' and 110' can be folded for a travel height of 14'.



Boom folding with 25' open throat top section

Pin-connected tubular boom and jib

Three types of boom top sections available

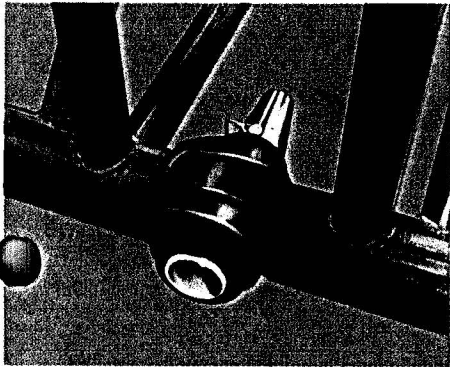
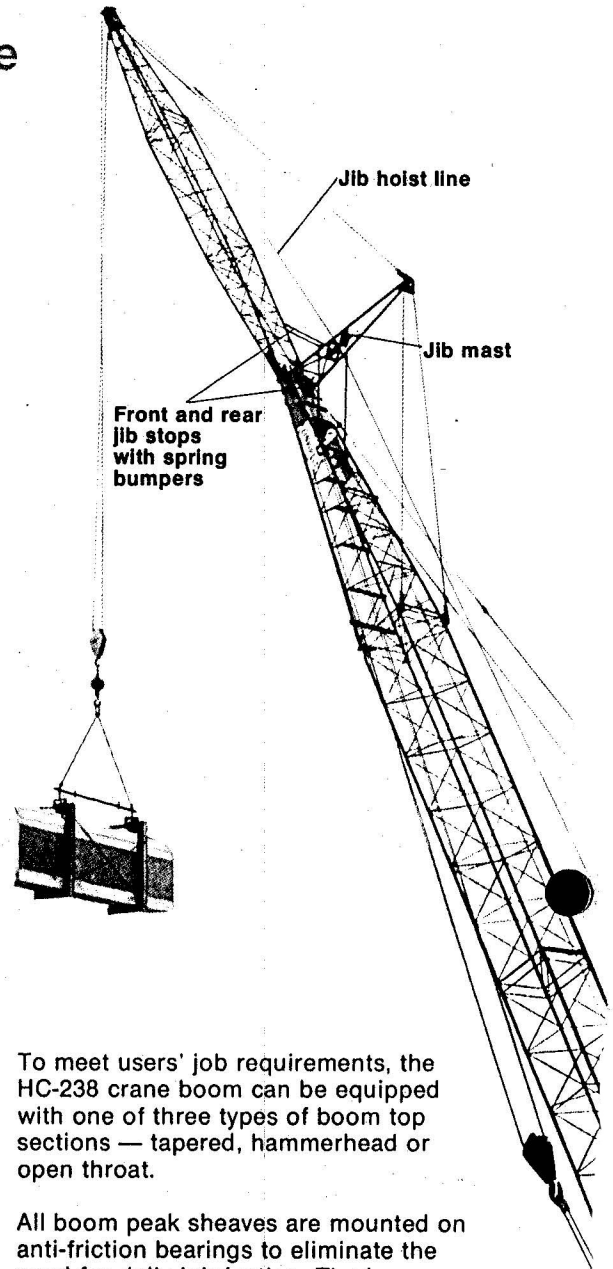
Up to 230' boom with tapered top section plus 70' jib

The HC-238 features a pin-connected tubular boom and jib. Tubular boom chord members are 100,000 p.s.i. quench and tempered, high-strength alloy steel.

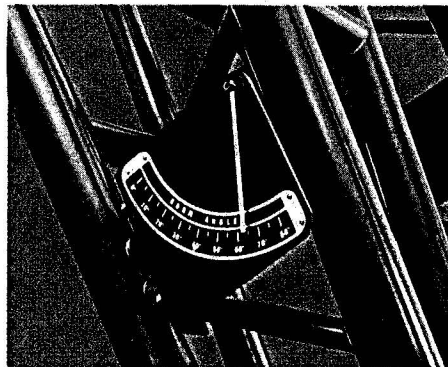
The tubular boom represents the latest advances in boom design and is precision built with special automatic machine tools and fixtures. Machine-coped lattice ends match the contour of the round, alloy steel, tubular chords and are carefully welded in place with 360° welds.

sections. The jib mounts to the boom top section. The **jib mast** is pinned to the jib base. The front and rear jib stops are telescoping type. The jib peak sheave and the jib mast rope deflector sheaves are all mounted on anti-friction bearings to eliminate the need for daily lubrication.

The **boom angle indicator** serves as a handy reference to the operator. It is mounted on the side of the boom nearest the operator for his ready reference.



Boom pin-connections



Boom angle indicator

The method of welding the in-line pin lugs to the round tube chord minimizes stress concentration and is an exclusive development of FMC engineering/manufacturing technology. The extended hub on the female connection serves as an anchor for the jib guyline, mid-point pendants, or for pendant lines when assembling the boom. The boom **pin-connection** tapered end pin is held in place with a latch pin.

The **boomhoist limiting device** improves close-radius operation. When an attempt is made to raise the boom closer than minimum radius, this mechanism acts to disengage the boom raising clutch and simultaneously engage the boomhoist brake.

To meet users' job requirements, the HC-238 crane boom can be equipped with one of three types of boom top sections — tapered, hammerhead or open throat.

All boom peak sheaves are mounted on anti-friction bearings to eliminate the need for daily lubrication. The lower boom section is 25' with 10', 20', 30', and 40' extensions available.

The basic jib is 30' in length, 2-piece, pin-connected with 10' and 15' extensions available for a maximum jib length of 70' with tapered top section; 60' for hammerhead and open throat boom top



Boomhoist limiting device