

Link-Belt

# LS-98

Excavator/Crane



This machine as manufactured conforms with the requirements of:  
**ANSI B30.5-1968**  
and, when equipped with suitable load and angle indicating  
devices, conforms with THE DEPARTMENT OF LABOR  
**FEDERAL REGISTER**  
Vol. 37 Nos. 202 and 243 (OSHA)



# Alloy Chord, High-Strength Pin-Connected Angle Boom

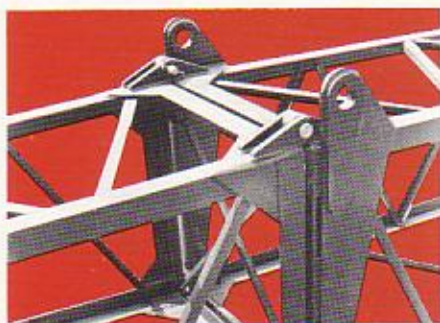
Up to 100' + 40' Jib

The LS-98 angle boom is box lattice construction with alloy chord angles. The boom is designed for lifting crane application as well as for handling a magnet, wrecking ball, clamshell, or dragline. The basic boom is 2-piece, 40' in length. Boom extensions of 5', 10', 15', and 20' are available up to a maximum length of 100' for lifting crane service. Boom and extensions are pin-connected.

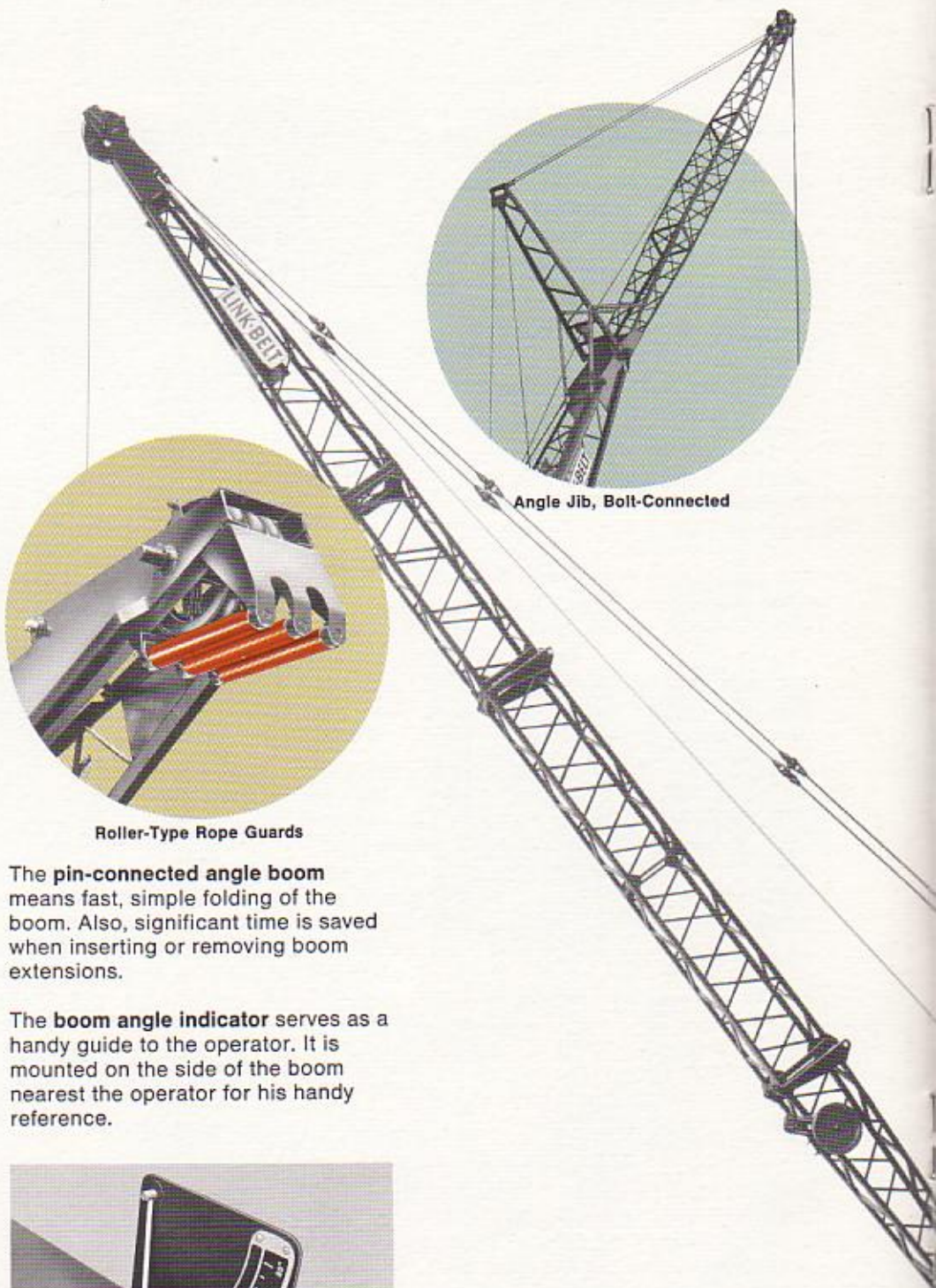
The boom is equipped with hoist rope supporting rollers mounted on top of the boom to help prevent hoist rope from rubbing the boom lattice. Boom length determines the number of rollers recommended.

Also available is an **angle jib, bolt connected**. Basic jib is 2-piece, 20' in length; 10' jib extensions are available up to a maximum jib length of 40'. Jib mast is equipped with equalizer sheaves for frontstay and backstay lines. Jib mast is also equipped with jib hoist line deflector sheave mounted on anti-friction bearings.

The LS-98 boompeak contains two sheaves mounted on anti-friction bearings, eliminating the need for daily lubrication. Single, three, and four sheaves are optional. For applications where only one or two boompoint sheaves are required, **roller-type rope guards** are available to help rope play out with smooth, easy action. Less rope sway and friction are encountered, extending both rope and sheave life.



Pin-Connected Angle Boom



Roller-Type Rope Guards

The **pin-connected angle boom** means fast, simple folding of the boom. Also, significant time is saved when inserting or removing boom extensions.

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



Boom Angle Indicator



The LS-98 with exclusive Full-Function upper design has the versatility for high performance in many varied crane-boom applications. With optional independent swing and travel, the LS-98 is able to swing while travelling, or travel while swinging, for on-the-job maneuverability.

The **retractable gantry** (optional) is required for boom lengths exceeding 55', reducing boom compression loadings. With boom resting on the ground, the retractable high gantry can be raised or lowered under boomhoist power. One-man-operated power hydraulic raising and lowering of the gantry is also available as an option.

A **boomhoist limiting device** is standard; improves close radius operation. When the boom is raised closer than minimum radius, this mechanism acts to disengage the



**Boom Stops**

boom raising clutch with simultaneous engagement of the boomhoist brake.

Dual non-telescopic type **boom stops**, each with spring loaded bumpers, are standard.

The **swing brake** is spring applied or power hydraulically released (under control of the operator). Acts to hold upper and boom at any swing position or it can be partially engaged for a slight drag to control side drift when making precision lifts. Swing

brake is controlled from operator's position through variable pressure control valve. The LS-98 also features a mechanical swing lock as standard equipment.

The **full-revolving fairlead** rotates to insure full inhaul rope support in all positions. All moving parts are mounted on anti-friction bearings. Increases inhaul rope life; permits greater economy. Fairlead adapter base is required with optional 15' long lower.

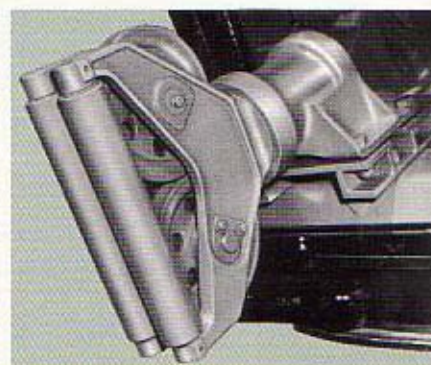
The Link-Belt Model LS-98 is known by users throughout the world not only by the model number but also as a proven, dependable machine with less maintenance cost and with greater trade-in value. The precision upper machinery design results in less horsepower loss through the gears — results in greater horsepower at the rope drums.



**Boomhoist Limiting Device**



**Swing Brake**



**Full-Revolving Fairlead**



**Retractable Gantry (Optional)**

**Catwalk With Overhead Grab Rail (Optional)**