The Link-Belt® LS-718 250-ton (226.75 metric ton) crawler crane is designed to operate with either the conventional crane boom attachment, Heavy Lift attachment or a tower attachment. The LS-718 crawler crane is available with a heavy duty boom up to 290° (68.59 m) plus 120° (36.88 m) jib, or a long range boom up to 360° (109.75 m) plus 180° (54.93 m) jib.

The heavy duty and long range booms can be combined to make up a tower attachment. The tower crane offers up to 200° (60.96 m) tower + 250° (78.20 m) boom = 100° (30.48 m) jib. The LS-718 crawler crane self-retracts all tower boom/jib length combinations. In addition, the LS-718 Heavy Lift attachment is available with boom lengths up to 370° (121.28 m).

The Link-Belt LS-718 crawler crane has become one of the most versatile large size cranes available in the industry today.

**The LS-718HL features:**
- Roller path supports pinned to front and rear of LS-718 crawbody. Benefit: Allows for crawler side frame to remain in extended position for greater stability.
- Hydraulic section jacks powered by LS-718 hydraulic travel system. Benefit: Eliminates need for auxiliary power unit.
- 45° (13.72 m) diameter roller path. Benefit: Heavy Lift attachment tailswing is 28° (8.81 m) for reduced attachment work area.
- Multiple, heavy-duty upperstructure frame swing support rollers. Benefit: Smooth walking.
- LS-718 independent power flow systems. Benefit: Allows for four independent rope drums for boom hoist, jib hoist, main hoist and mast self-assembly.
- High capacity rope drums. Benefit: Spacing capacity to handle maximum length boom and jib load fine requirements.
- Self friction of Heavy Lift mast. Benefit: Eliminates need for auxiliary crane.
- High lifting capacity in the working range. Benefit: Increases on-the-job production.
- LS-718 available with crane boom, tower or Heavy Lift attachment. Benefit: Greater return on investment.
- Heavy Lift attachment loadings under any working condition, not transferred into the LS-718 crawbody. Benefit: LS-718 crawbody not subjected to the greater loadings from the Heavy Lift capacities.

We are constantly improving our products and therefore reserve the right to change designs and specifications.

FMC Corporation Cable Crane & Excavator Division Cedar Rapids Iowa 52406
Link-Belt® equipment available in: Cedar Rapids Iowa - Lexington & Bowling Green Kentucky - Orlando Florida - Sturtevant Methods & Nagoya Japan (under license)
Assembly of LS-718HL roller path

FMC's Cable Crane and Excavator Division has designed a totally new 360-ton (362 metric ton) Heavy Lift attachment for adaptation to the Link-Belt® LS-718 250-ton (253 metric ton) crawler crane. The availability of the Heavy Lift crane attachment is further evidence of FMC's continuing commitment to serve the large lift crane user located throughout the world.

The innovative engineering design permits in-the-field adaptation of the Heavy Lift attachment to the standard LS-718 crawler crane without machine rework. The front and rear Heavy Lift roller path supports are pin-connected to lugs on the standard LS-718 crane cab body, and to the front and rear segments of the roller path. The LS-718 cab body is remain in the extended working position for greater stability when traveling (see page 7). The 46' (13.72 m) diameter Heavy Lift roller path is constructed of six pin and bolt-connected segments. The roller path is supported by 24 manual screw jacks and floats. Designed to handle the maximum rated attachment capacities. For fast on-the-job installation of jacks and floats, the roller path is raised by four corner position, integrally mounted hydraulic erection jacks. These jacks are operated from the ground and are powered by the LS-718 hydraulic travel system. This design eliminates the need for an auxiliary hydraulic unit, as well as the need for portable jacks.

All Heavy Lift attachment components can be handled with a 20-ton (18.14 metric ton) hydraulic self-propelled crane.

Assembly of LS-718HL upperstructure frame

The Link-Belt® LS-718 Heavy Lift revolving upperstructure frame is pin-connected for fast assembly.

Truss members are pin-connected to lugs on the front and rear of the standard LS-718 frame, and to the front and rear segments of the Heavy Lift upperstructure frame. These truss members transmit swing power from the LS-718 crane to the Heavy Lift attachment.

With the 45' (13.72 m) diameter roller path design, the Heavy Lift attachment tail swing is only 28' 11" (8.7 m), reducing the overall attachment work area. The upperstructure frame is supported on the roller path by large diameter, heavy duty rollers. Six primary plus two auxiliary rollers are mounted to the front roller carrier, plus two rollers to the rear auxiliary counterweight frame. The front roller carrier of the upperstructure frame supports the boom and mast: The rear auxiliary counterweight frame supports the boom and mast. The rear counterweight frame cannot raise above the roller path due to the tail swing constraints.
**LS-718HL Independent power flow systems**

FMC's exclusive LS-718 crawler crane upperstructure design is ideally suited for the operation and control of the Heavy Lift attachment. Completely independent power flow systems allow for four independent rope drums. One (1) for boom hoist (2) jib load hoist (3) main load hoist (4) self-erection of the mast, eliminating the need for an auxiliary crane.

The high capacity rope drums (2) and (3) have spooling capabilities to handle the maximum length boom and jib load line requirements.

The boom and mast rope drum brakes are spring applied, power hydraulically released. Rope drum locking panels, spring applied, hydraulically released are standard on all rope drums.

**LS-718HL mast and boom erection**

Self-erection of the Link-Belt® LS-718 Heavy Lift mast and boom is a unique design achievement. With roller path leveled and supported, mast is erected in mere minutes without benefit of special equipment or reeling. Close adjustment of any components is not required.

1. First, the 100'/30.5m mast is raised to permit assembly of the main boom. Second, the main boom pendants are pinned to the boom peak.

2. As the 130'/40.2m mast is being raised the boom/hoist rope is plowed out. Mast pendants equalizer brackets (refer to photo #1) will follow guides on the 40'/12.2m LS-718 mast for pinning to the auxiliary counterweight frame lugs. The mast is then supported by fixed-length pendants.

3. With the mast and pendants in position, the crane operator is ready to raise the boom off the ground.

4. The boom is raised (and lowered) with the LS-718 crane boom hoist drum. (Third drum on standard LS-718.)

5. The LS-718 Heavy Lift is ready to go to work with the mast, boom and hoist lines in position.