

FMC

Link-Belt[®]
Self-propelled
Wire Rope Cranes

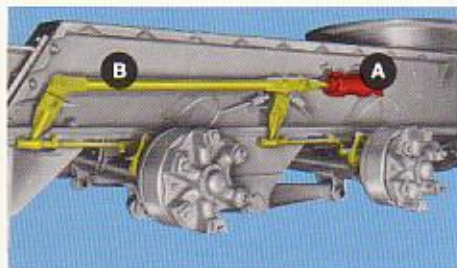


Unique 4-axle carrier designed and manufactured by FMC

Results in on-the-job maneuverability and stability

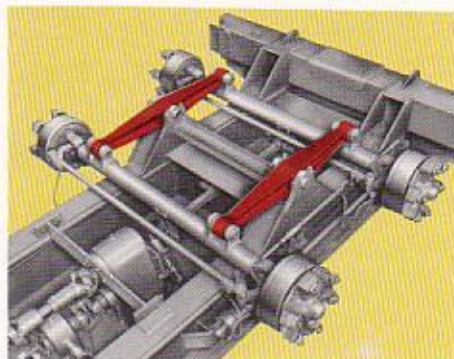
FMC's Crane and Excavator Division offers the UC-78B 35-ton (31.75 metric ton) and the UC-108B 45-ton (40.82 metric ton) self-propelled wire rope operated cranes. The 11' (3.35m) wide 8 x 4 drive carriers were designed and are manufactured by FMC.

The Link-Belt® self-propelled cranes are designed for one man operation, and to maneuver on construction sites or in material handling yards.



Power hydraulic steering

Power hydraulic steering of the tandem front wheels is standard. The operator controlled steer lever directs oil into the double acting steer cylinder (A) powering steer linkage (B) and the axles steering system. The power hydraulic steer components are mounted to the side of the carrier frame for protection.



Oscillating bogies front axle assembly

Also, this mounting results in equal force when steering right or left.

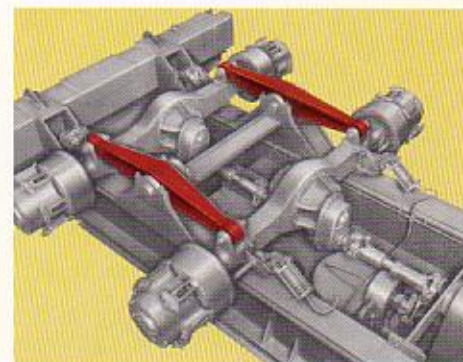
Both the front and rear axle assemblies are mounted on **oscillating bogies** for floatation and traction when travelling on uneven terrain. The four axles give stability when handling loads over the side "on tires".

Eight wheel air service brakes plus spring applied, air released emergency brake are standard.

Four speed, forward and reverse travel is through an **automotive type drive train**

into the tandem rear axles. A 2-speed transmission in the carrier plus the 2-speed travel gear train in the crane upper accomplishes the 4 speeds of the "UC" cranes. The tandem rear axles are equipped with planetaries at the wheel hubs. This drive train design eliminates high maintenance drive chains.

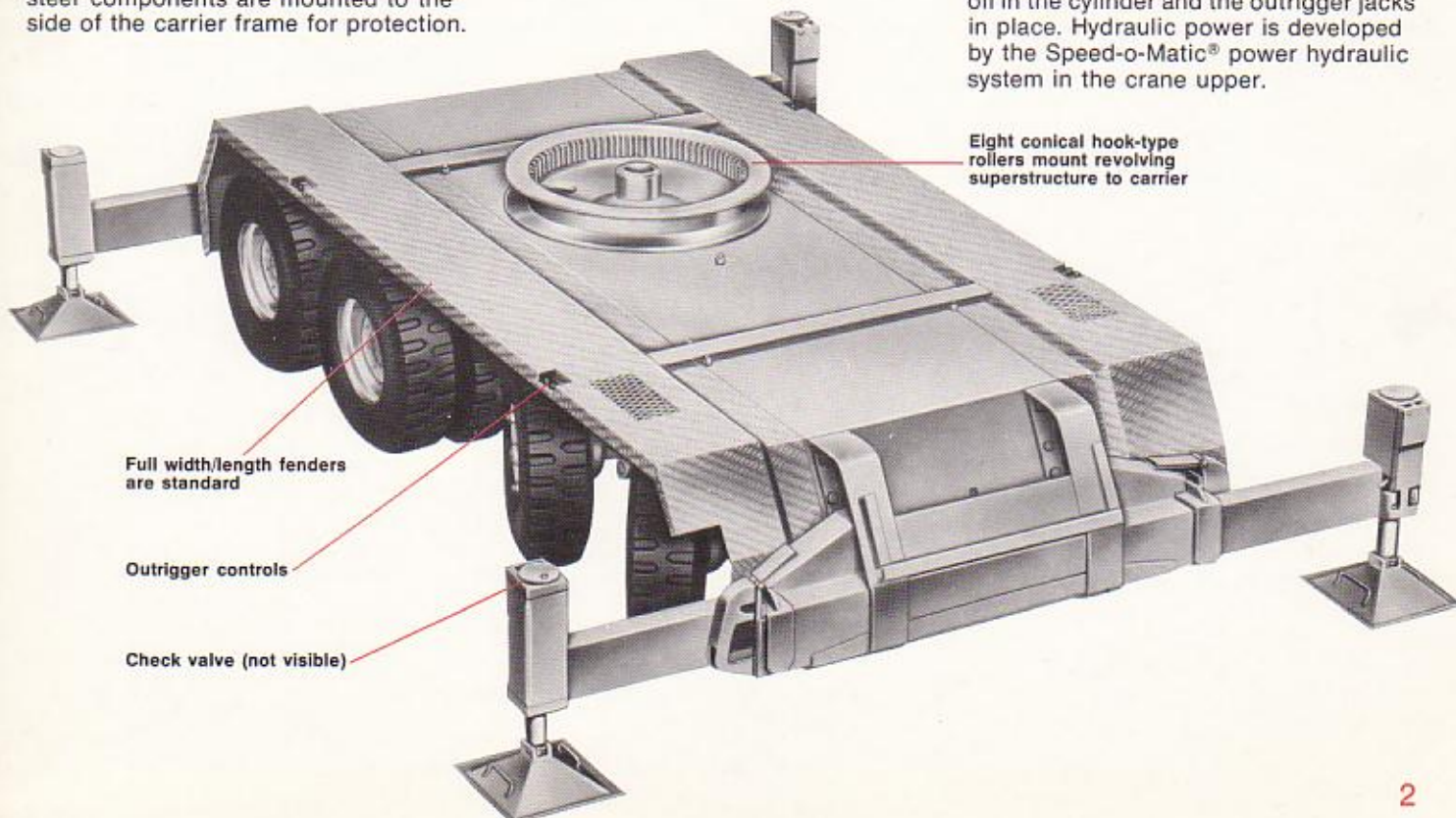
Front and rear hydraulic outriggers are standard. Telescoping beams, and jacks are individually ground controlled. Once



Oscillating bogies rear axle assembly
Automotive type drive train

the outriggers are set, a **check valve** fixed to each jack cylinder "locks" the oil in the cylinder and the outrigger jacks in place. Hydraulic power is developed by the Speed-o-Matic® power hydraulic system in the crane upper.

Eight conical hook-type rollers mount revolving superstructure to carrier



Full width/length fenders are standard

Outrigger controls

Check valve (not visible)

From the heart of "horsepower" country

