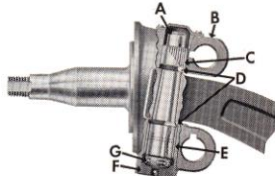


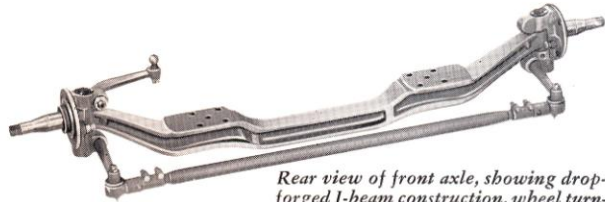


FRONT AXLES

FA 522 • FA 5221 (No Brakes) • **FAL 522** (Aluminum Brakes)*
FA 532 • FA 5321 (No Brakes) • **FAL 532** (Aluminum Brakes)*



A — Knuckle Pin D — Oil Seals
 B — Steering Knuckle E — Knuckle Bushing
 C — Needle Bearings F — Thrust Bearing Nut
 G — Knuckle Pin Thrust Bearing



Rear view of front axle, showing drop-forged I-beam construction, wheel turning stops, reversed-Elliott steering knuckles, and easily adjusted tie rod.

DETAIL SPECIFICATIONS

Make Mack
 Type Reversed-Elliott
 drop-forged, I-beam
 Size (Beam center):
 Height 3-11/16"
 Flange width 3-1/4"
 Web thickness 5/8"
 FA 522 FA 532
 FA 5221 FA 5321
 FAL 522 FAL 532
 Spring centers 33 1/2" 34 1/2"
 Spring width 3" 3 1/2"
 Pivot centers 63 1/2" 67 1/16"
 Steering knuckles:
 Material Chromium-molybdenum alloy
 steel, heat-treated
 Thrust Spherical seat, tapered roller bearing
 Location Bottom of knuckle pin
 Upper knuckle pin bushing Needle bearings
 * Aluminum brake chamber brackets, spiders and shoes.

Spindle diameter:
 Inner bearing 2 5/8"
 Outer bearing 1-3/4"

Wheel bearings:
 Inner Tapered roller, single-row (2)
 Outer Tapered roller, single-row (2)

Steering knuckle pin:
 Material Manganese steel, heat-treated
 Type Tapered
 Diameter, top 1 3/8"
 bottom 1-5/8"

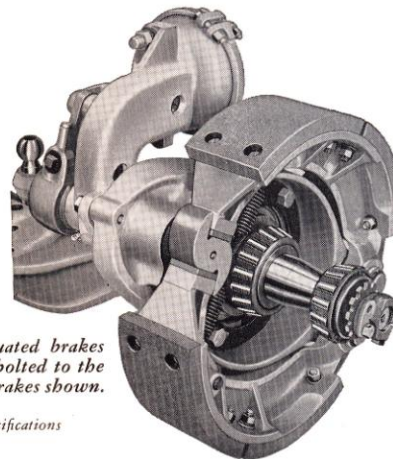
Side rake 7°

BRAKES

Actuation Air
 Diameter 16-1/2"
 Width 4"
 Lining thickness 3/4"
 Lining area, both wheels 276 sq. in.
 Drum material Alloy cast iron
 Brake chambers, effective area 16 sq. in.
 Slack adjusters, length 5-1/2"

Wheel removed revealing air-actuated brakes and segmented linings which are bolted to the shoe castings. Aluminum version brakes shown.

Illustrations are not necessarily a representation of standard specifications with respect to all details.



MACK TRUCKS, INC. • Montvale, N. J.