

# FRONT AXLE

# MACK

## FXL16.5

16,500 LBS. [7 848 kg]



- Unitized wheel hubs—requires no maintenance—permanently sealed with grease.
- Sealed tapered kingpins and bearings keep out road splash, extend axle life and lower maintenance.
- Forged I-Beam construction, strong and lightweight.

### DETAIL SPECIFICATIONS

#### MAKE: MACK

Type . . . . . Reverse Elliot, Drop-Forged  
& Heat Treated I-Beam  
Size (Beam Center Height) . . . . 4.75" [121 mm]  
Flange Width . . . . 3.50" [89 mm] Top & Bottom  
Web Thickness . . . . . 0.75" [19 mm]  
Section Modulus . . . . . 9.90" in<sup>3</sup> [172 cm<sup>3</sup>]

#### STEERING KNUCKLE:

Material . . . . . Chromium Molybdenum  
Alloy Steel, Heat Treated  
Spindle Diameter  
Inner Bearing . . . . . 2.68" [68 mm]  
Outer Bearing . . . . . 2.68" [68 mm]  
Steering Knuckle Pin:  
Material . . . . . Modified Carbon Steel, Heat  
Treated & Induction Hardened  
Type . . . . . Tapered  
Diameter  
Top . . . . . 1.57" [40 mm]  
Bottom . . . . . 2.36" [60 mm]

#### STEERING KNUCKLE: (Continued)

Inclination . . . . . 6.5°  
Knuckle Pin Support  
Upper . . . . . Tapered Roller Bearing  
Lower . . . . . Grooved Bushing

Thrust Bearing  
Type . . . . . Tapered Roller Bearing  
Location . . . . . Top of Knuckle Pin  
Hub . . . . . Ductile Iron  
Bearings . . . . . Tapered Roller (Unitized)  
Lubrication . . . . . Permanently lubed  
with Synthetic Grease

Pivot Centers:  
FXL16.5 . . . . . 69.92" [1 776 mm]  
Spring Centers . . . . . 32.5" [826 mm] GU

**NOTE: FXL used with wide base type tires will exceed 96" [2 438 mm] overall width.**

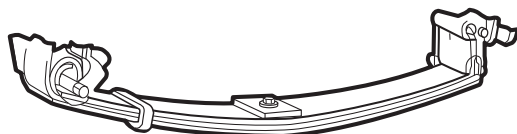
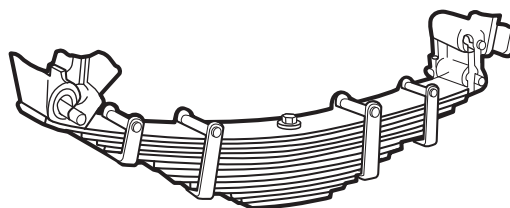


**BRAKES**

TYPE		CAM
SIZE	DIAMETER WIDTH	16.5" [419 mm] 6" [152 mm]
MAKE		Bendix
ACTUATION		Air
LINING THICKNESS		0.86" [22 mm]
LINING AREA, TOTAL		376 in² [2 439 cm²]
CHAMBER SIZE— Sq. In. Per Wheel		1 @ 24 [155 cm²]
SLACK ADJUSTER LENGTH		5.5" [140 mm]
BRAKE ADJUSTMENT		Self-Adjusting
DUST SHIELDS		Optional

**SUSPENSION**

SPRING CAPACITY (GRD. LOAD RATING)	SPRING SIZE	SPRING SIZE		CHASSIS MODEL APPLICATION
		LENGTH	WIDTH	
<b>16,500 lb.</b> [7 848 kg] <b>STD.</b>	Taperleaf - Shackle	52.52" [1 334 mm]	4" [102 mm]	GU
	Multileaf - Shackle	52.52" [1 334 mm]	4" [102 mm]	GU (OPT.)

**TAPERLEAF SHACKLE****MULTILEAF SHACKLE**