

# FRONT AXLE

# MACK®

# FXL20

20,000 LBS. [9 072 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°

Knuckle Pin Support

Upper . . . . . Tapered Roller Bearing  
 Lower . . . . . Grooved bushing

Thrust Bearing

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

Pivot Centers:

FXL20 . . . . . 69.92" [1 776 mm]  
 Spring Centers . . . . . 33.5" [851 mm] MRU, LEU  
 32.5" [826 mm] GU

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

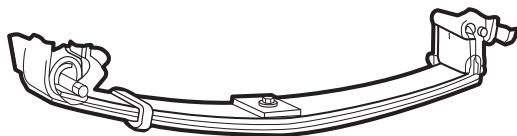


**BRAKES**

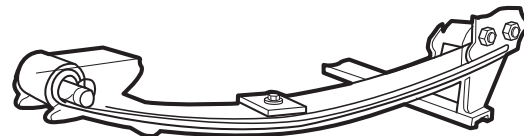
TYPE		CAM
SIZE	DIAMETER WIDTH	16.5" [419 mm] 6" [152 mm]
MAKE		Arvin Meritor
ACTUATION		Air
LINING THICKNESS		0.85" [22 mm] Tapered
LINING AREA, TOTAL		378 in <sup>2</sup> [2 439 cm <sup>2</sup> ]
CHAMBER SIZE— Sq. In. Per Wheel		1 @ 24 [155 cm <sup>2</sup> ]
SLACK ADJUSTER LENGTH		5.5" [140 mm]
BRAKE ADJUSTMENT		Self-Adjusting
DUST SHIELDS		Optional

**SUSPENSION**

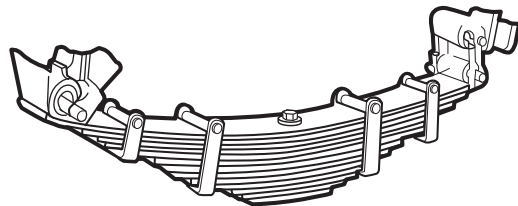
SPRING CAPACITY (GRD. LOAD RATING)	SPRING SIZE	SPRING SIZE		CHASSIS MODEL APPLICATION
		LENGTH	WIDTH	
<b>20,000 LB.</b> [9 072 KG] <b>STD.</b>	Taperleaf - Shackle	52.52" [1 334 mm]	4" [102 mm]	GU
	Taperleaf - Slipper	50.25" [1 276 mm]	3.5" [89 mm]	MRU/LEU
	Multileaf - Shackle	52.52" [1 334 mm]	4" [102 mm]	GU (OPT.)
	Multileaf - Slipper	50.25" [1 276 mm]	3.5" [89 mm]	MRU
<b>18,000 lb.</b> [8 165 kg]	Multileaf - Shackle	52.52" [1 334 mm]	4" [102 mm]	GU
	Multileaf - Slipper	50.25" [1 276 mm]	3.5" [89 mm]	MRU
<b>20,000 lb.</b> [9 072 kg] <b>HD</b>	Multileaf - Shackle	52.52" [1 334 mm]	4" [102 mm]	GU
	Multileaf - Slipper	50.25" [1 276 mm]	3.5" [89 mm]	MRU/LEU



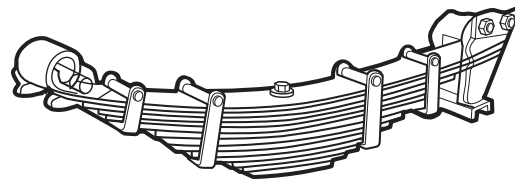
**TAPERLEAF SHACKLE**



**TAPERLEAF EYE & SLIPPER**



**MULTILEAF SHACKLE**



**MULTILEAF EYE & SLIPPER**