

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" in³ [172 cm³]

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 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.

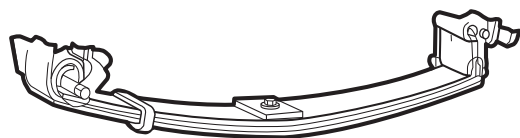


BRAKES

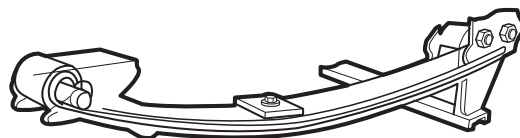
TYPE		CAM
SIZE	DIAMETER WIDTH	16.5" [419 mm] 6" [152 mm]
MAKE		Arvin Meritor
ACTUATION		Air
LINING THICKNESS		0.85" [22 mm] Tapered
LINING AREA, TOTAL		378 in ² [2 439 cm ²]
CHAMBER SIZE— Sq. In. Per Wheel		1 @ 24 [155 cm ²]
SLACK ADJUSTER LENGTH		5.5" [140 mm]
BRAKE ADJUSTMENT		Self-Adjusting
DUST SHIELDS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

SUSPENSION

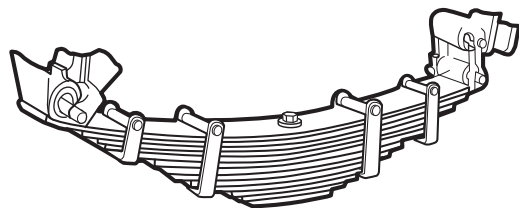
SPRING CAPACITY (GRD. LOAD RATING)	SPRING SIZE	SPRING SIZE		CHASSIS MODEL APPLICATION
		LENGTH	WIDTH	
20,000 LB. [9 072 KG] STD.	Taperleaf - Shackle	52.52" [1 334 mm]	4" [102 mm]	GU
	Taperleaf - Slipper	50.25" [1 276 mm]	3.5" [89 mm]	MRU/LEU
	Multileaf - Shackle	52.52" [1 334 mm]	4" [102 mm]	GU (OPT.)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



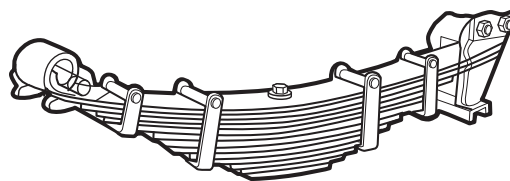
TAPERLEAF SHACKLE



TAPERLEAF EYE & SLIPPER



MULTILEAF SHACKLE



MULTILEAF EYE & SLIPPER