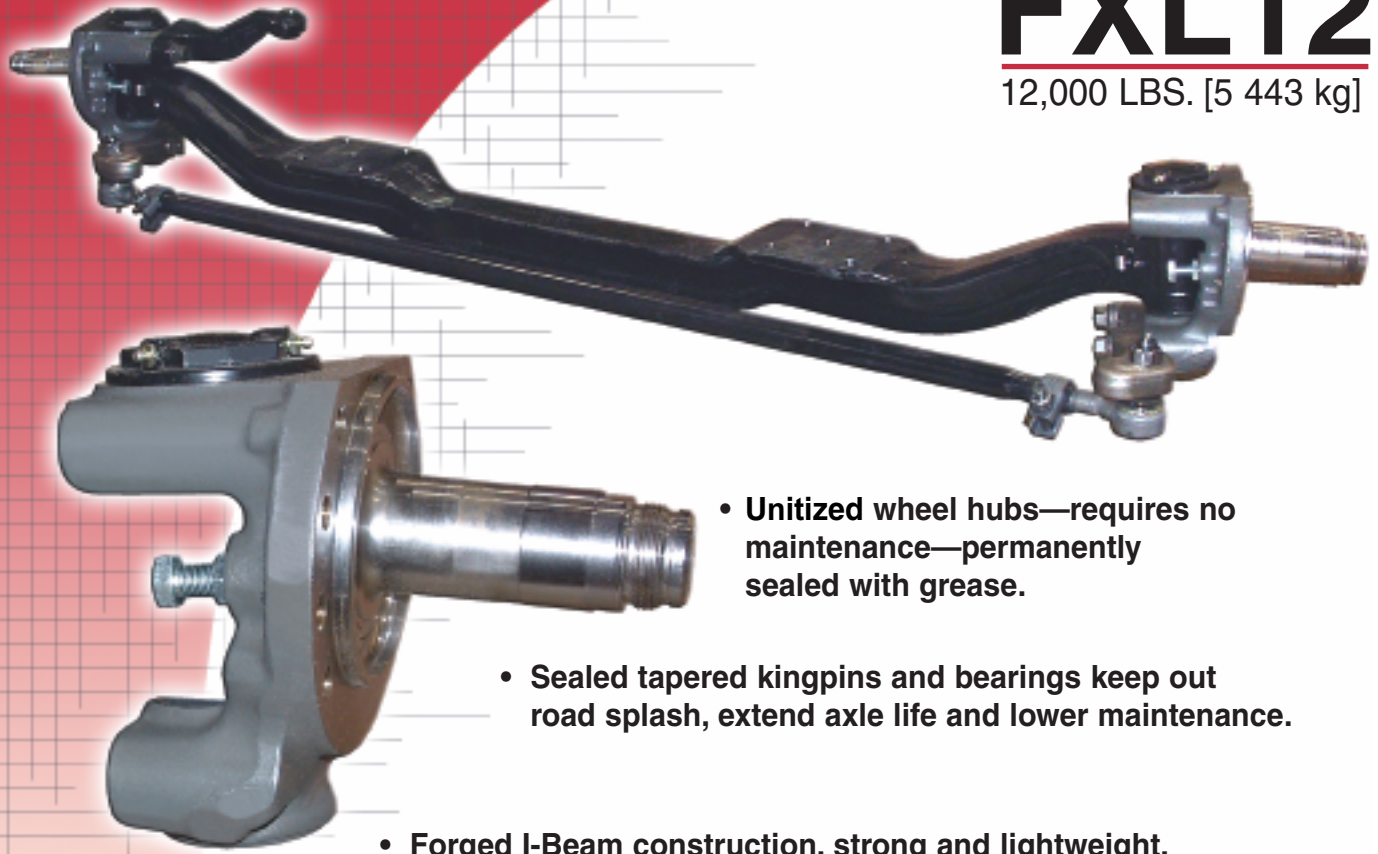


FRONT AXLE

MACK®

FXL12

12,000 LBS. [5 443 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) 3.74" [95 mm]
 Flange Width, Top 3.35" [85 mm]
 Flange Width, Bottom 3.35" [85 mm]
 Web Thickness 0.394" [10 mm]
 Section Modulus 5.82" in³ [95 cm³]

STEERING KNUCKLE:

Material Chromium Molybdenum Alloy Steel, Heat Treated

Spindle Diameter

Inner Bearing 2.28" [58 mm]
 Outer Bearing 2.28" [58 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 Aluminum
 Bearings Tapered Roller (Unitized)
 Lubrication Permanently lubed with Synthetic Grease

Pivot Centers:

FXL12 69.92" [1 776 mm]
 Spring Centers 33.5" [851 mm] MRU
 32.5" [826 mm] CHU, CXU, GU

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

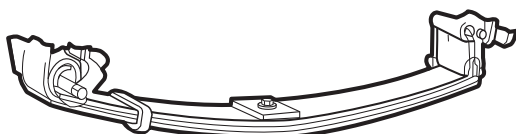


BRAKES

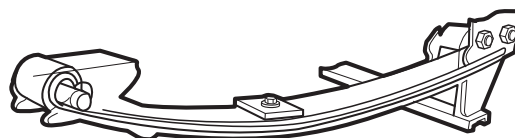
TYPE		CAM	CAM
SIZE	DIAMETER WIDTH	16.5" [419 mm] 5" [127 mm]	15" [381 mm] 4" [102 mm]
MAKE		Arvin Meritor	Arvin Meritor
ACTUATION		Air	Air
LINING THICKNESS		0.85" [22 mm] Tapered	0.75" [19 mm] Tapered
LINING AREA, TOTAL		376 in ² [2 439 cm ²]	115 in ² [2 026 cm ²]
CHAMBER SIZE— Sq. In. Per Wheel		1 @ 24 [155 cm ²]	Type 20
SLACK ADJUSTER LENGTH		5.5" [140 mm]	5.5" [140 mm]
BRAKE ADJUSTMENT		Self-Adjusting	Self-Adjusting
DUST SHIELDS		Optional	Optional

SUSPENSION

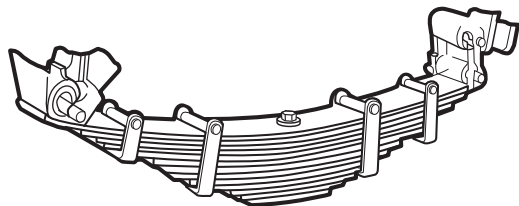
SPRING CAPACITY (GRD. LOAD RATING)	SPRING SIZE	SPRING SIZE		CHASSIS MODEL APPLICATION
		LENGTH	WIDTH	
12,000 lb. [5 443 kg] STD.	Taperleaf - Shackle	52.52" [1 334 mm]	4" [102 mm]	CHU, GU
	Taperleaf - Shackle	58.85" [1 495 mm]	4" [102 mm]	CXU
	Multileaf - Shackle	52.52" [1 334 mm]	4" [102 mm]	GU
	Multileaf - Shackle	50.25" [1 276 mm]	3.5" [89 mm]	MRU
12,000 lb. [5 443 kg] HEAVY DUTY	Taperleaf - Shackle	52.52" [1 334 mm]	4" [102 mm]	CHU, GU
	Taperleaf - Shackle	58.85" [1 495 mm]	4" [102 mm]	CXU
	Multileaf - Slipper	50.25" [1 276 mm]	3.5" [89 mm]	MRU



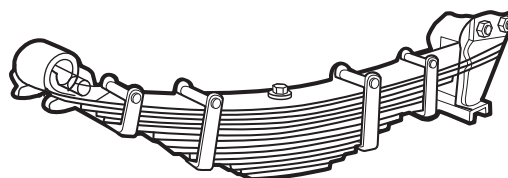
TAPERLEAF SHACKLE



TAPERLEAF EYE & SLIPPER



MULTILEAF SHACKLE



MULTILEAF EYE & SLIPPER