

# IMPROVED 12<sup>1</sup>/<sub>4</sub>" TRAILER BRAKES

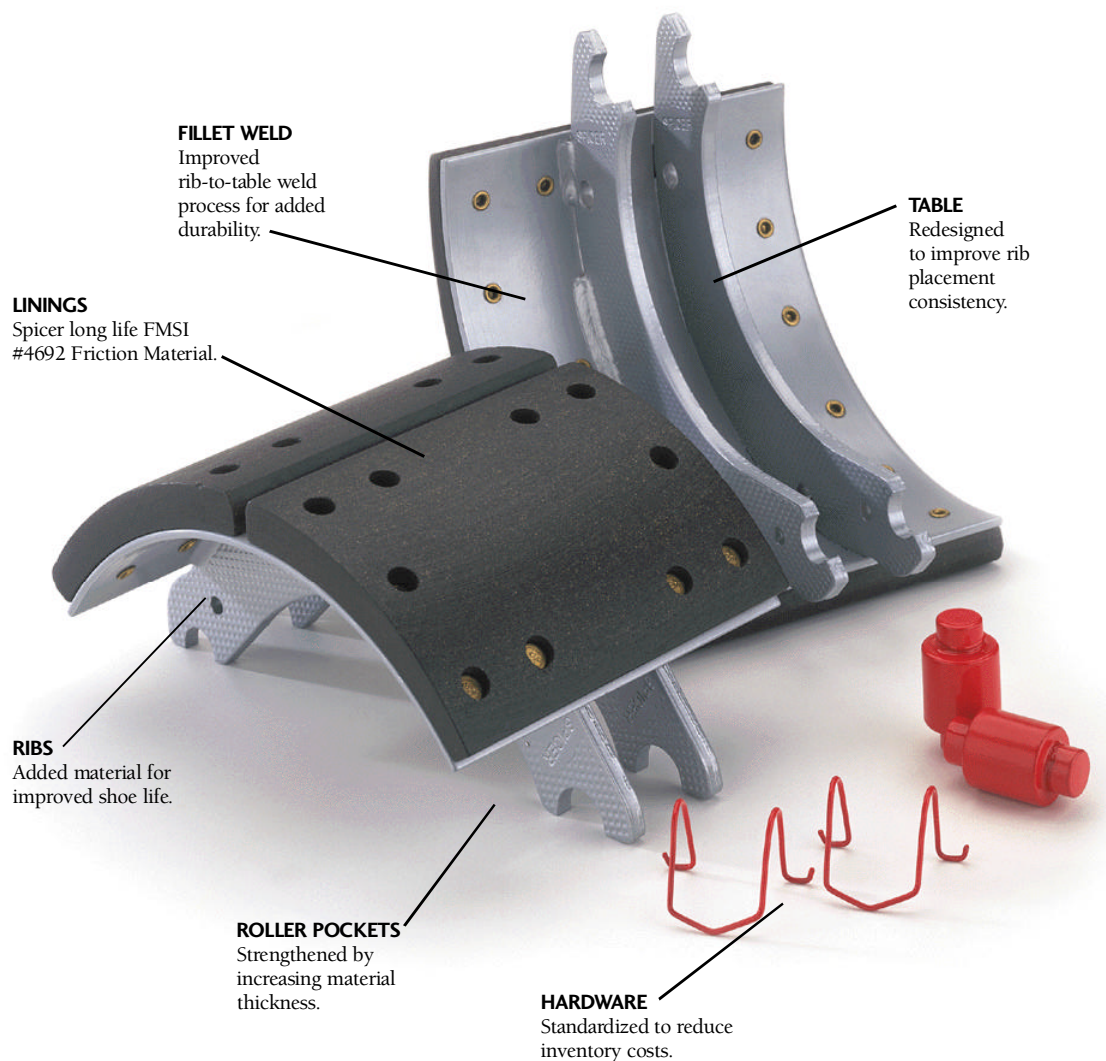
**SPICER**<sup>®</sup>



**SPICER 12<sup>1</sup>/<sub>4</sub>"  
TRAILER BRAKES**

Spicer has redesigned its 12<sup>1</sup>/<sub>4</sub>" trailer axle s-cam brake for longer life and hardware standardization. The redesigned 12<sup>1</sup>/<sub>4</sub>" brake will now utilize two coil retention springs from the popular 16<sup>1</sup>/<sub>2</sub>" series brake, replacing the previously used "U" spring design.

Additionally, a number of significant product improvements have been made to improve shoe life by increasing material thickness in the rib and roller areas. Brake geometry has been improved through consistent rib placement and rib-to-table welding.

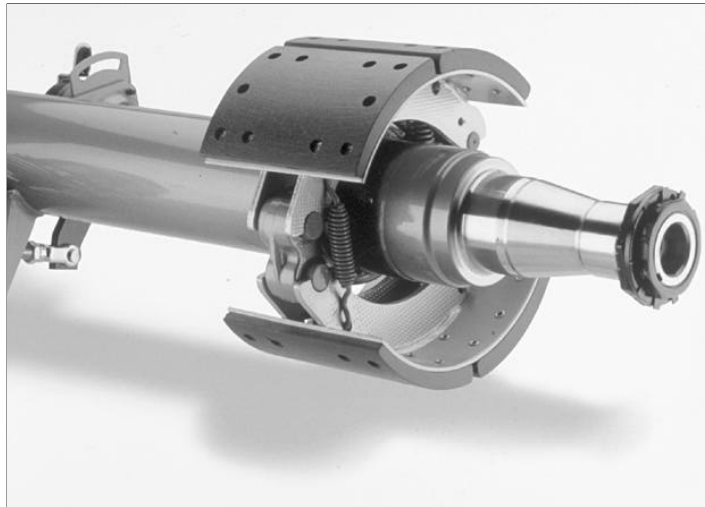


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## 12 1/4" TRAILER BRAKE

All Spicer axles equipped with 12 1/4" brakes built prior to November 1, 1996 (the effective date of the product improvements), can be retrofitted with the new brake shoe assembly without changing the spider or s-cam. The part number for the Spicer conversion kit is #M12KBH10. One conversion kit is required per axle. Each kit contains two return and four coil springs, eight washers, eight snap rings, and four anchor pins.



## AVAILABLE CONFIGURATIONS

Spicer 12 1/4" brakes are available in three different sizes, with several different lining options.

### SPICER 12 1/4" S-CAM BRAKES

SIZE/MODEL	12.25" X 5"	12.25" X 5.5"	12.25" X 7.5"
GAW Range	6,000 - 8,000	8,000 - 10,000	10,000 - 17,500
Shoe	Stamped	Stamped	Stamped
Spider	Forged	Forged	Forged
Anchor Pins	Dual	Dual	Dual
Rivets per Axle	72	72	80
Volume as % of 4692	67%	74%	100%
Lining Wear Volume (cu. in.)	57.36	63.07	85.74
FMSI #	4661E	4536E	4692

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