

FS23

Fleet Star[®] 23

A premium brake lining ideal for heavy loads and a wide range of over-the-road hauling applications



Marathon

BRAKE SYSTEMS



FS23

Fleet Star® 23

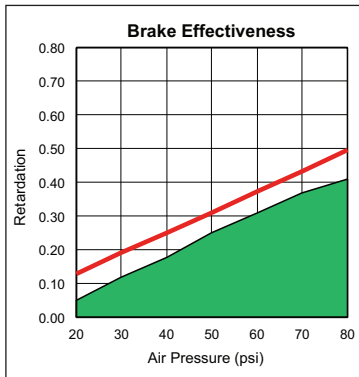
Marathon created FS23 for fleet operators looking for a premium quality friction material to use on applications like liquid tanker, grain, cement or standard duty refuse, as well as general over-the-road hauling. FS23 delivers dependable stopping power with excellent wear characteristics and is a formulation that easily meets Federal regulations in accordance with FMVSS 121 test procedure and is rated for 23,000 lb axle loads.

FS23 linings feature the Hi-Density Marathon formulation (detailed at right) that will improve your bottom line through better performance and fewer maintenance headaches.

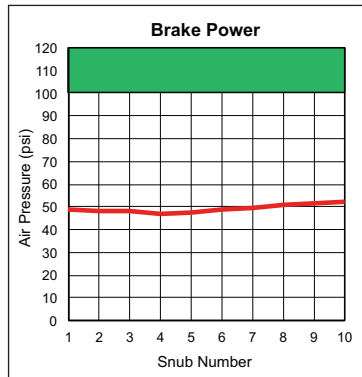
FS23 Delivers

- Ideal for general freight hauling and most 23,000 lb. GAWR applications
- Hi-Density formulation for effective heat dissipation
- Excellent brake fade and recovery characteristics
- Dependable stopping performance
- Extremely drum friendly

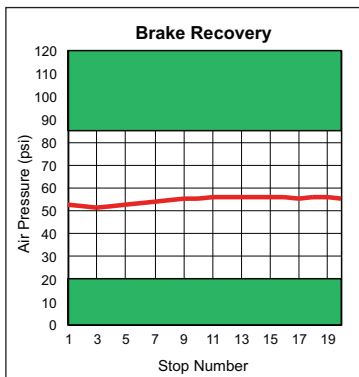
FMVSS 121 Test Results



Retardation



Fade



Recovery

Testing conducted in accordance with F.M.V.S.S. #121 criteria @ 23,000# axle load; 16 1/2 x 7" S-cam air brake; 30 x 5.5 input power; and a 19.6" tire rolling radius. Shaded area indicates non-compliance.

RSD
APPROVED PER RP628C

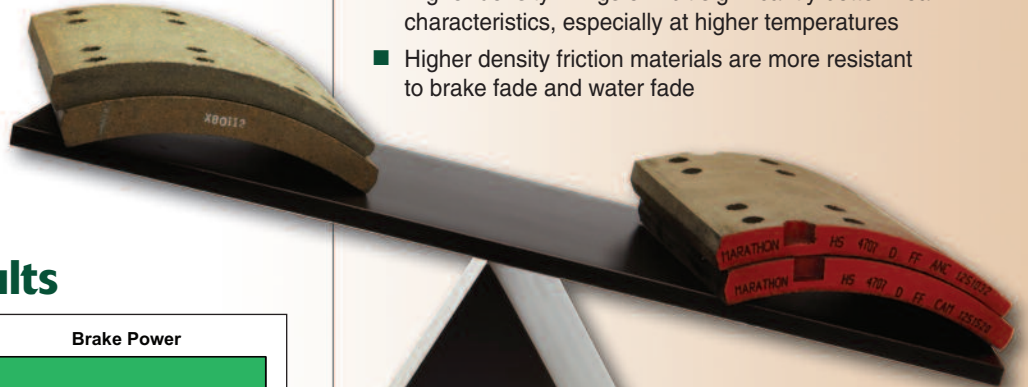
ISO 9001:2008
ISO 14001:2004



Hi-Density Friction

One of the most significant design characteristics of any heavy duty brake lining is its density. When higher quality and heavier raw materials are used in a lining's formulation, it creates a higher mass in the block or stated another way, higher density. Truck brakes are designed to convert the energy of a moving vehicle into heat energy. A higher density increases the lining's ability to efficiently handle heat, and is the most critical component in a friction material's fade, recovery and wear.

- Higher density friction materials have the ability to hold more heat energy and therefore more efficiently dissipate the heat
- Higher density friction materials have stronger structural integrity, making them less likely to crack in service, while riveting or due to rust jacking
- Higher density linings exhibit significantly better wear characteristics, especially at higher temperatures
- Higher density friction materials are more resistant to brake fade and water fade



**See the difference...
higher density
Marathon linings
tip the scale vs.
leading competitor**

**The Marathon Advantage...
Feel the Difference**

Marathon
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