



"The Professional's Choice"

from Bendix Spicer Foundation Brake LLC

heavy duty brake linings



Bendix® brand foundation brake products are brought to you by:

**Bendix Spicer
Foundation Brake LLC**





"The Professional's Choice"

heavy duty brake linings



Dependable stopping power, good fade and recovery characteristics and overall performance. These are the most important issues governing brake lining performance, and VIPPro™ "The Professional's Choice" friction materials address them all. Manufactured by Bendix Spicer Foundation Brake LLC for VIPAR Heavy Duty, the VIPro family of friction materials is "The Professional's Choice" for heavy duty braking.

The VIPro family of brake linings offers a variety of friction materials to best suit your application. Heavy duty linings are available in both a standard and premium material rated at a 20,000 lb. axle load, and also a premium lining rated at a 23,000 lb. axle load. VIPro linings are asbestos-free and designed for use in over-the-road, general hauling and severe duty or heavier-than-standard applications. All VIPro materials meet or exceed F.M.V.S.S. 121 inertia dynamometer testing standards.



20K Standard

"The Professional's Choice"



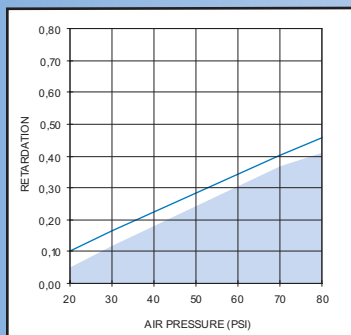
A standard grade 20,000 pound axle rated friction material.

The VIPro 20K Standard lining provides consistent performance in day-to-day continuous service markets using single axles up to a maximum of 20,000 lbs. and tandem axles up to a maximum of 40,000 lbs. G.A.W.R. The VIPro 20K Standard is ideally suited for light- & medium-duty applications. Unlike other economy linings, VIPro 20K Standard lining is manufactured using only virgin materials assuring consistent performance.

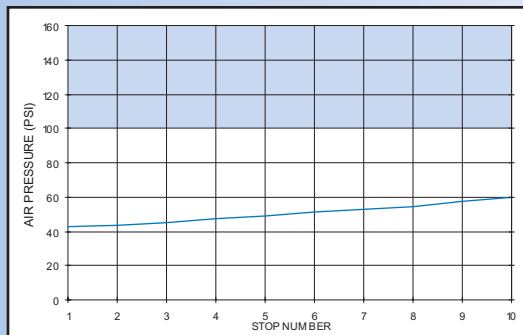
The VIPro 20K Standard lining exhibits good wear and fade characteristics making it ideal for dry freight, inter-modal leasing, and general highway hauling. VIPro 20K standard meets or exceeds all F.M.V.S.S. 121 testing criteria.

- Good stopping power
- Good fade characteristics
- Good lining life

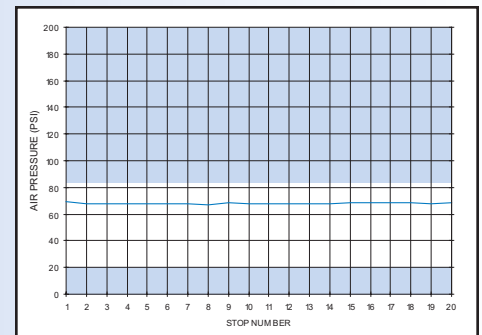
Brake Retardation



Brake Fade

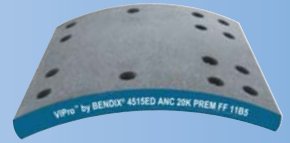


Brake Recovery





20K Premium



A premium 20,000 pound axle rated friction material.

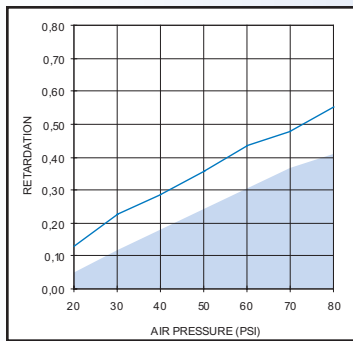
The VIPRO™ “The Professional’s Choice” 20K Premium lining provides excellent performance in demanding highway applications and in mountainous terrain. The VIPRO 20K Premium lining is a multi-application, all makes lining for single axles up to a maximum of 20,000 lbs. and tandem axles up to a maximum of 40,000 lbs. G.A.W.R.

The VIPRO 20K Premium lining exhibits very low thermal expansion (swell and growth), quiet operation,

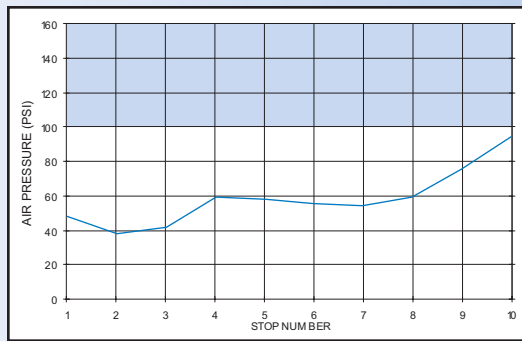
superior lining life and has excellent thermal stability. VIPRO 20K Premium meets or exceeds all F.M.V.S.S. 121 testing criteria.

- Excellent lining life
- Quiet operation
- Long drum life
- Low expansion characteristics

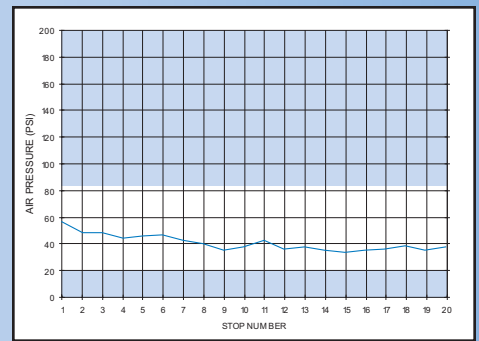
Brake Retardation



Brake Fade



Brake Recovery



23K Premium



A premium 23,000 pound axle rated friction material.

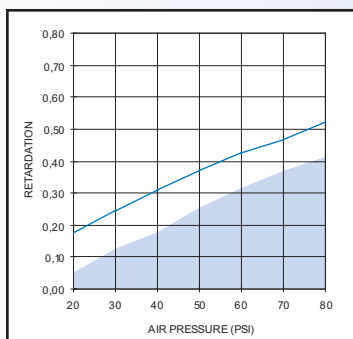
The VIPRO 23K Premium lining is a medium to high friction formulation which provides excellent stopping power. It is a multi-application lining for single axle applications up to a maximum of 23,000 lbs. and tandem axles up to 46,000 lbs. G.A.W.R.

The VIPRO 23K Premium lining is engineered to resist fade and remain stable under demanding applications that require a 23,000 lb. G.A.W.R. lining material. The VIPRO 23K Premium lining assures minimal fade, excellent

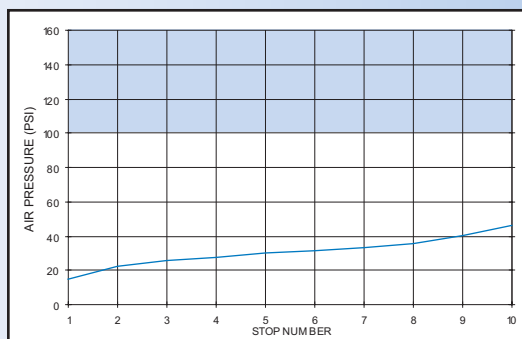
recovery, quiet operation and stable performance. VIPRO 23K Premium meets or exceeds all F.M.V.S.S. 121 testing criteria.

- Excellent lining life
- Quiet operation
- Long drum life
- Excellent fade resistance

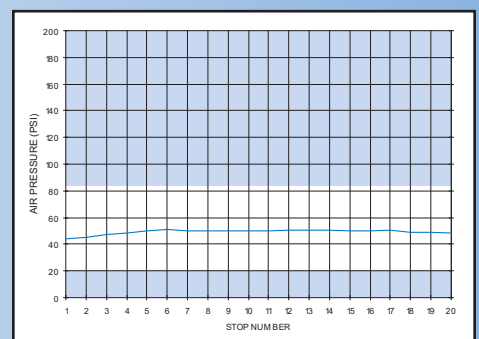
Brake Retardation



Brake Fade




Brake Recovery



COMPETITIVE CROSS REFERENCE

Maximum GAWR*

	20,000		23,000	
	Standard	Premium	Premium	Severe Service
	VIPro 20K Standard	VIPro 20K Premium	VIPro 23K Premium	Bendix Gold
ABEX®	6014 6085	6008 6166	6149/685	SDA-6098 697
BENDIX®	Silver Silver Supreme*	Blue*	Red*	Gold*
BRAKEPRO™	CM16	CM16/CM18	CM18/CM20	CM22A1
CARLISLE®	MB20	MB21	MB23	
FRAS-LE®	550	555	556	557
HALDEX®/MIDLAND™ / GREYROCK®	2017	2008 2015 3008	2016	2020 3020
MARATHON®	MH UB	DB	FLOE	HS
MERITOR®	MG1	MG2L	MG2 MA310	MA312*
TMD® COBREQ	090	102 334	110	132 170

**Performance of friction will vary based on vehicle type, load, terrain, and driver. Cross reference information is provided as a reference only and not indicative of equal performance characteristic.*

Note: Information compiled from various industry sources. The GAWR for each friction material may vary depending on the AL factor. Bendix does not make any inference to FMSI testing results for the above non-Bendix linings.

Maximum GAWR based on 16 1/2" x 7" Drive and Trailer applications.

*Designates OE Materials.

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