



## The value and performance choice for highway applications.

Horizon SP-20 and Horizon SP-23 were specially designed to be cost-effective solutions for your long-haul needs. Horizon SP is the standard performance friction formulation for normal-duty cycles, operating environments and loads.

- Horizon SP-20 designed for 20,000 lb. axle rating
- Horizon SP-23 designed for 23,000 lb. axle rating
- Normal-duty asbestos-free friction material
- Designed for use with S-cam air brakes
- Quiet operation



High performance friction with superior service and support. Contact us for brake training.

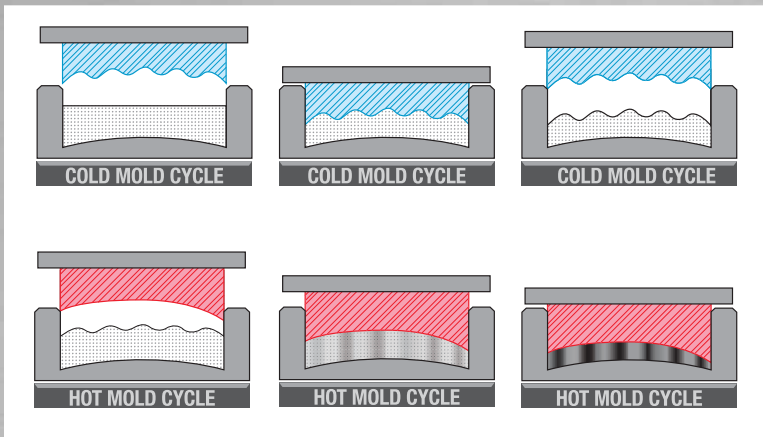
**STEMCO**  
**BRAKE PRODUCTS™**

[www.stemcobreakeproducts.com](http://www.stemcobreakeproducts.com)

## CATCH THE WAVE.

Our patented and revolutionary "Wave Process" assures higher performance and a longer life along with a lower noise level. This patented technology begins with the cold mold cycle, which creates the unique wave pattern. Hot molding then forces the waves to condense under heat and pressure. Aligning the friction density into column structures assures less heat susceptibility, which results in quieter, longer lasting brakes.

## THE WAVE PROCESS



## Dynamometer Test Parameters:

	SP-20	SP-23
Axle rating:	20,000 lbs.	23,000 lbs.
Brake size:	16.5 x 7 in.	16.5 x 7 in.
AL factor:	30 x 5.5	30 x 5.5
Rolling radius:	19.6 in.	19.6 in.

## Properties:

Specific gravity:	1.84	1.86
Gogan hardness:	27	29
CoF	FF	FF

### STEMCO-USA

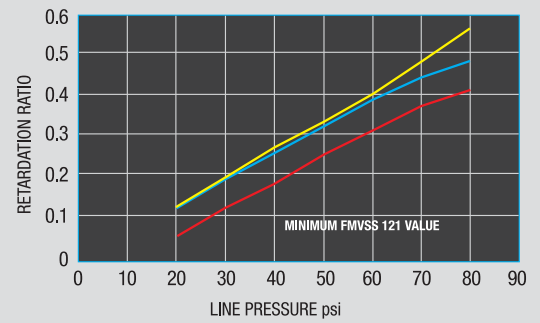
P.O. Box 1989, Longview, Texas 75606-1989 1-800-527-8492

### STEMCO-Canada

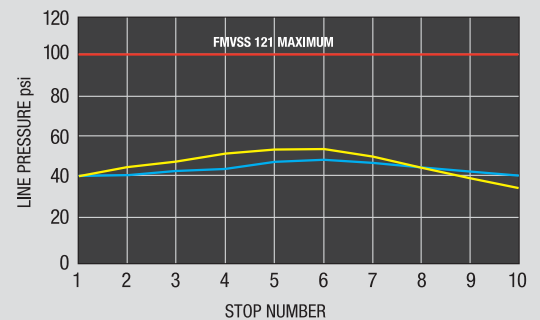
5900 Ambler Drive, Units 4 & 5, Mississauga, ON L4W 2N3 (905) 206-9700

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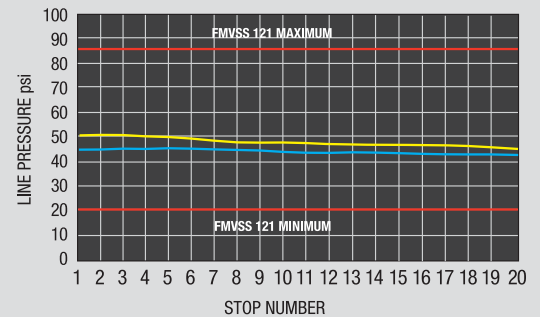
### Dynamometer FMVSS 121 Performance Test



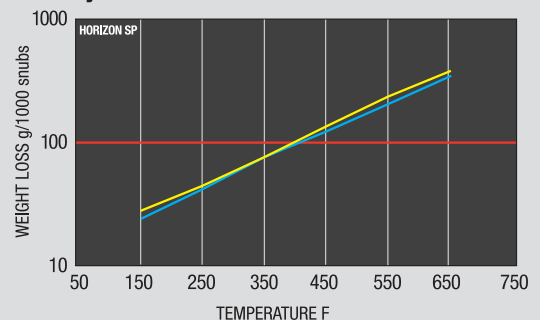
### Brake Power



### Recovery



### Dynamometer Wear Test – ARM TP 212 Procedure



HORIZON SP-20

HORIZON SP-23