

**APPLICATION**

Recommended for use with s-cam brake equipped trucks, tractors and trailers in general, over-the-road applications with axle weights up to 20,000 lbs., where initial cost is a major consideration.

**MATERIAL CHARACTERISTICS**

DWT18 FF is a standard grade, medium friction, asbestos-free material that exceeds FMVSS 121 standards at 20,000 lbs. GAWR with an AL factor of 165. Formulated for good lining and drum life in general hauling applications. Offers superior stopping power with excellent resistance to fade.

**TYPICAL PHYSICAL PROPERTIES**

Specific Gravity (SAE J380)	2.10
Gogan Hardness (SAE J379a)	28 GC
Transverse Rupture Strength (ASTM D790-66)	5,000 psi
Tensile Strength (ASTM D638-91)	1,500 psi
Compression Strength (ASTM D695-91)	9,250 psi
Shear Strength (ASTM D671-91)	1,500 psi

**TYPICAL FRICTION PROPERTIES**

Chase Test (SAE J661a)	
Normal Friction (Cold m)	.40
Hot Friction (Hot m)	.44
Classification	FF

**TYPICAL WEAR PROPERTIES**

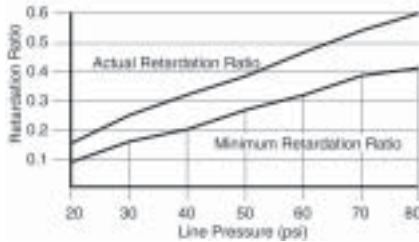
Brake Lining	Leading Shoe	Trailing Shoe
Thickness Loss	0.011"	0.005"
Weight Loss	0.134 lbs.	0.093 lbs.
Brake Drum		
Thickness Loss	0.001"	

**TYPICAL INERTIA DYNAMOMETER TEST RESULTS**

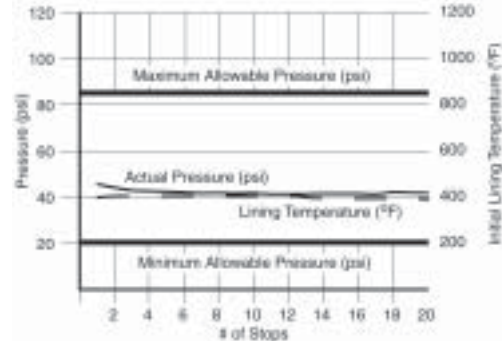
**FMVSS 121 Standards**

Exceeds requirements for OEM certification under Federal Motor Vehicle Safety Standards at 20,000 lbs. GAWR on a 16-1/2" x 7" s-cam brake with a 165 AL factor.

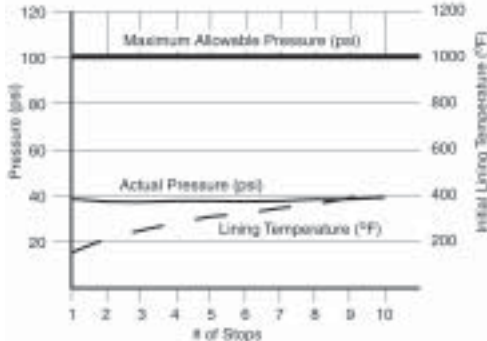
**BRAKE RETARDATION**



**RECOVERY**



**FADE**



**RP628 Standards**

Meets requirements for qualification under TMC and SAE Recommended Practice 628.

60,909 lb. in. torque rating at 40 psi with a 20,000 lbs. GAWR and an AL factor of 165.

**APPLICATION**

Recommended as a good, all-around block for use with s-cam equipped trucks and tractors in heavy-duty on-highway applications with axle weights up to 23,000 lbs., where stopping power is the major consideration.

**MATERIAL CHARACTERISTICS**

DWT23 FF is a premium heavy-duty grade, medium friction, asbestos free material that exceeds FMVSS 121 standards at 23,000 lbs. GAWR with a 165 AL factor. Formulated for good lining and drum life in long and short haul applications. Offers superior stopping power and high resistance to swell. Its excellent thermal stability works well with automatic slack adjusters.

**TYPICAL PHYSICAL PROPERTIES**

Specific Gravity (SAE J380)	2.11
Gogan Hardness (SAE J379a)	30 GC
Cross Breaking Strength	5,000 psi
Tensile Strength	1,550 psi
Compression Strength	9,250 psi
Shear Strength	1,700 psi

**TYPICAL FRICTION PROPERTIES**

<b>Chase Test (SAE J661a)</b>	
Normal Friction (Cold m)	.43
Hot Friction (Hot m)	.42
Classification	FF

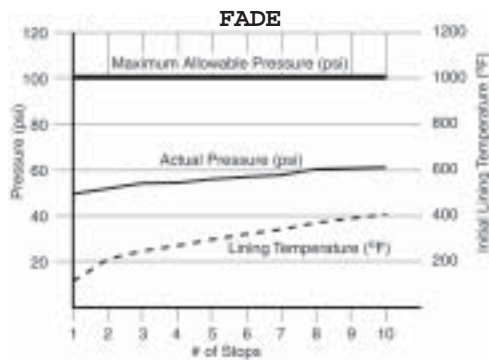
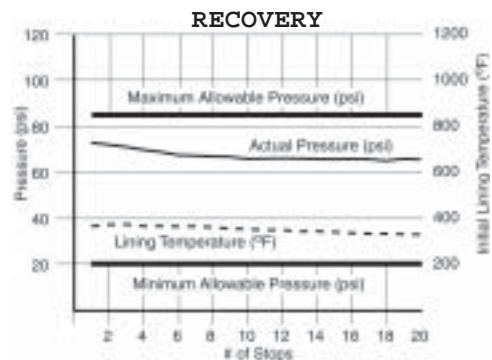
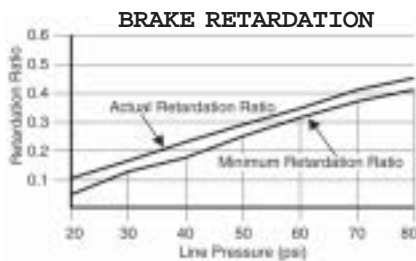
**TYPICAL WEAR PROPERTIES**

Brake Lining	Leading Shoe	Trailing Shoe
Thickness Loss	0.012"	0.007"
Weight Loss	0.135 lbs.	0.084 lbs.
Brake Drum		
Thickness Loss	0.001"	

**TYPICAL INERTIA DYNAMOMETER TEST RESULTS**

**FMVSS 121 Standards**

Exceeds requirements for OEM certification under Federal Motor Vehicle Safety Standards at 23,000 lbs. GAWR on a 16-1/2" x 7" s-cam brake with a 165 AL factor.



**RP628 Standards**

Meets requirements for qualification under TMC and SAE Recommended Practice 628.

50,144 lb. in. torque rating at 40 psi with a 20,000 lbs. GAWR and an AL factor of 165.

**APPLICATION**

Recommended for use with s-cam brake equipped trucks, tractors and trailers in general applications with axle weights up to 20,000 lbs., where good stopping power and long wear are the major considerations.

**MATERIAL CHARACTERISTICS**

DWT20 FF is a premium grade, medium friction, asbestos-free material that exceeds FMVSS 121 standards at 20,000 lbs. GAWR with an AL factor of 165. Formulated for excellent lining and drum life in general hauling applications. Offers good stopping power with excellent resistance to fade. Its high resistance to swell and thermal stability works well with automatic slack adjusters.

**TYPICAL PHYSICAL PROPERTIES**

Specific Gravity (SAE J380)	2.08
Gogan Hardness (SAE J379a)	28 GC

Cross Breaking Strength	5,000 psi
Tensile Strength	1,500 psi
Compression Strength	9,200 psi
Shear Strength	1,700 psi

**TYPICAL FRICTION PROPERTIES**

Chase Test (SAE J661a)	
Normal Friction (Cold m)	.42
Hot Friction (Hot m)	.43
Classification	FF

**TYPICAL WEAR PROPERTIES**

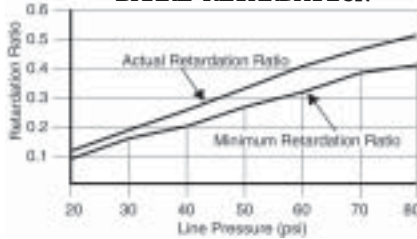
Brake Lining	Leading Shoe	Trailing Shoe
Thickness Loss	0.008"	0.004"
Weight Loss	0.108 lbs.	0.066 lbs.
Brake Drum		
Thickness Loss		0.001"

**TYPICAL INERTIA DYNAMOMETER TEST RESULTS**

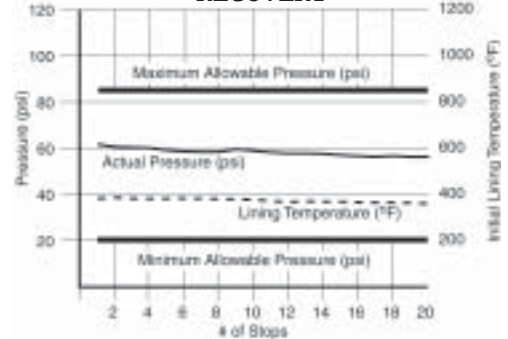
**FMVSS 121 Standards**

Exceeds requirements for OEM certification under Federal Motor Vehicle Safety Standards at 20,000 lbs. GAWR on a 16-1/2" x 7" s-cam brake with a 165 AL factor.

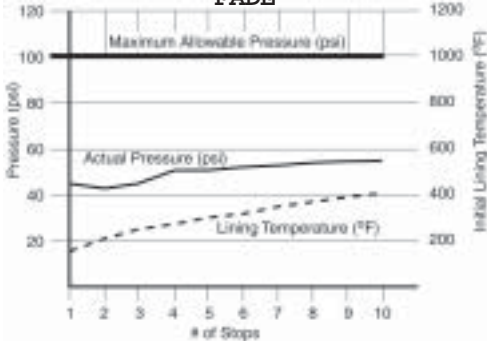
**BRAKE RETARDATION**



**RECOVERY**



**FADE**



**RP628 Standards**

Meets requirements for qualification under TMC and SAE Recommended Practice 628.

48,052 lb. in. torque rating at 40 psi with a 20,000 lbs. GAWR and an AL factor of 165.

**APPLICATION**

Recommended for use with wedge or s-cam brake equipped trucks and tractors in heavy hauling and other severe service applications with axle weights up to 25,000 lbs., where stopping power and resistance to fade are the major considerations.

**MATERIAL CHARACTERISTICS**

DWT25 GG is a severe service grade, high friction, asbestos-free material that exceeds FMVSS 121 standards at 25,000 lbs. GAWR with an AL factor of 180. Formulated for extra stopping power in severe service, on and off-highway applications. Its high resistance to swell and thermal stability works well with automatic slack adjusters.

**TYPICAL PHYSICAL PROPERTIES**

Specific Gravity (SAE J380)	2.03
Gogan Hardness (SAE J379a)	31 GC

**TYPICAL FRICTION PROPERTIES**

Chase Test (SAE J661a)	
Normal Friction (Cold m)	.53
Hot Friction (Hot m)	.51
Classification	G G

Cross Breaking Strength	5,000 psi
Tensile Strength	1,700 psi
Compression Strength	10,500 psi
Shear Strength	2,100 psi

**TYPICAL WEAR PROPERTIES**

Brake Lining	Leading Shoe	Trailing Shoe
Thickness Loss	0.011"	0.001"
Weight Loss	0.196 lbs.	0.106 lbs.
Brake Drum		
Thickness Loss		0.007"

**TYPICAL INERTIA DYNAMOMETER TEST RESULTS**

**FMVSS 121 Standards**

Exceeds requirements for OEM certification under Federal Motor Vehicle Safety Standards at 25,000 lbs. GAWR on a 16-1/2" x 7" s-cam brake with a 180 AL factor.

