

Competitive Organic Brake Linings



Up to 20,000 lbs

Up to 23,000 lbs

	Grade 0	Grade 1	Grade 2
Abex	VL20,6085,6014,6166	6011	6008-1
Bendix	BLACK, BLUE, GREEN	ES450, ES410, ES420, SILVER SUPREME	-
Carlisle	EC20, NA100, MB17, MB19, MB20	-	MB21, CF2000
Cobreq (TMD)	NABK090, NABK102	-	-
Meritor	EG, M20, MG1	MA212	MA210

	Grade 0	Grade 1	Grade 2
	VL23, 6149	685	6098
	RED, YELLOW	ES600	-
	EC23, MB44	-	MB23
	NABK110	-	-
	MA312, M23, MG2, MG2L	MA310	-

Fras-Le	AF520, AF540, AF550	-	-
Gorilla	GB20S, GB20P, SB20S, SB20P	-	-
Marathon	MH, UB	DB	-
Neo Brake	NEO- ECO, NB180, NBRM	NB200, NBFM	-

	AF523, AF555, AF557	-	-
	GB23S, GB23P, SB23S, SB23P	-	-
	FLOE, HS	-	-
	NB210, NBMB, NB250, NBSM	NB225, NBSB, NB2001	-

TruckPro/Armada	AR1	-	-
FleetPride/OTR	BLACK, BLUE	-	-
Freightliner/Alliance	S20, P20	-	-
H.D. America	MH20, MH20F	-	-
International/Diamond	D2S, D2P	-	-
Paccar/Roadleveler	20STD, 20PREM	-	-
Traction	HDPlus20	-	-
Vipar/Vipro	20KSTD, 20KPREM, VHD2000	-	-

	AR2,AR3	AR4	-
	RED, GREEN, ORANGE	-	-
	S23,P23	-	-
	MH23, MH23F	-	-
	D3S, D3P	-	-
	23STD, 23PREM	-	-
	HDPlus23	-	-
	23KSTD, 23KPREM, VHD2300	-	-

see reverse for more...

Brake linings should only be chosen based upon specific application environments and the potential braking temperatures likely experienced within that environment. The chart above is not an indication of performance, although it is very typical of charts produced by various brake lining suppliers. Caution should be used when specifying brake linings based on price points - this practice nearly always ensures misapplication.



BrakeZone



Haldex Brake Lining Application Survey

This BrakeZone application guide is designed to be a simple, yet comprehensive tool to assist you in determining the proper range of Haldex brake linings that are best suited for your equipment based on your fleet's specific operating environment.

To properly use this application guide, first complete the application survey below. Choose only one answer per question that best describes the operating environment that you work within and record that score in the appropriate box. Once you have completed the survey, total the numeric values based on your answers. This total is your "Application Score". Refer to the charts to the right to determine which Haldex brake linings are in your BrakeZone based on your personalized Application Score.



1 Which best describes how this vehicle is normally loaded in an average day of operation?

- Normally runs below axle rating
- Normally runs about axle rating
- Normally runs above axle rating
- The vehicle is used in refuse/mixer/dump type operations

Application Score

2

Record score here

3

4

5

2 Which best describes the terrain that this vehicle covers in an average day of operation?

- Flat or mostly (90%) flat with some rolling hills
- Rolling hills encountered frequently with some steep grades
- Steep grades abundant or significant mountainous terrain

Application Score

1

Record score here

2

4

3 Which best describes this vehicle's travel patterns during an average day of operation?

- Nearly all (85%) interstate travel
- Mix of interstate, city, two-lane blacktop
- All urban
- This vehicle is a school bus
- This vehicle is used in mixer/dump type operations
- This vehicle is used in refuse type operations

Application Score

.5 (1/2)

Record score here

2

3

3

6

4 Total the three scores. This is your BrakeZone Application Score.

Refer to BrakeZone Application Charts on the reverse side for the proper Haldex brake lining options.

20,000 lb Axles Haldex Brake Lining Options

	GN	GF	GR	GD	GH	GG	GC	GZ	GP	GM
3.5	G	B	T							
4.5	G	B	T							
5	G	B	T							
5.5	G	B	T							
6		G	B	T						
6.5		G	B	T						
7		G	B	T						
7.5		G	B	T						
8		G	B	T						
8.5			G	B	T	EP				
9			G	B	T	EP				
9.5				G	B	T/EP				
10				G	B	T/EP				
11				G	B	T/EP				
12					G	T	EP			
13					G	T	EP			
14						B	T	EP		
15						B	T	EP		

Use this chart if your vehicle is equipped with 20,000 lb. axles

23,000 lb Axles Haldex Brake Lining Options

	GD	GH	GG	GC	GZ	GP	GM
3.5	G	B	T/EP				
4.5	G	B	T/EP				
5	G	B	T/EP				
5.5	G	B	T/EP				
6	G	B	T/EP				
6.5	G	B	T/EP				
7	G	B	T/EP				
7.5	G	B	T/EP				
8	G	B	T/EP				
8.5	G	B	T/EP				
9			G	B	T		
9.5			G	B	T		
10			G	B	T		
11			G	B	T		
12				G	B	T	EP
13				G	B	T	EP
14					G	B	T
15					G	B	T

Use this chart if your vehicle is equipped with 23,000 lb. axles

G = Good Performance
Very good stopping power. Good brake life, handles normal temperatures and load variability for this type of application.

B = Better Performance
Very good stopping power. Very good brake life, handles higher temperature and load variability.

T = Best Performance
Excellent stopping power, superior brake life. Handles high operating temperatures and load variability with ease for this type of application.

EP = Exceptional Performance
All the benefits of best performance plus significant gains in lowering life cycle costs by extending lining life to its maximum. Highly compatible with brake drums for this type of application – lowest total life cycle costs.

CAUTION
Potential under or over Spec'ing zone.

Directions for use:

- Find your Application Score from the BrakeZone Application Survey.
- Find your Application Score on the appropriate BrakeZone lining options chart above.
- Listed to the right of your score will be the Haldex brake lining options that will put you in your BrakeZone – exceptional performance and lower life cycle costs.
- Contact your local Haldex Distributor for delivery of high-quality brake shoes. Use the proper Haldex brake lining based on your specific operating environment as determined by your Application Score.



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