

AIR DISC BRAKE PADS



TUFF PRODUCTS FOR TOUGH APPLICATIONS

TuffLine® PLUS Air Disc Brake Pads are engineered for use in the toughest commercial vehicle applications, formulated and built to withstand the extreme heat and torque load of air disc brake systems.



FMVSS-121 CERTIFIED FRICTION	
	PREMIUM TRUCK & TRAILER TLP200 23,000 axle rating
	COACH, TRANSIT & SEVERE SERVICE TLP400V 26,000+ axle rating
FMVSS 121 CERTIFIED	R90 APPROVED

TuffLine® PLUS Air Disc Brake Pads meet current requirements for the U.S. Better Brakes Law, FMVSS-121 Certification and European R90 Standards.

- Available in on-highway (23K/GG rated) and vocational/severe service (26K/FF rated) friction grades to meet the most demanding commercial vehicle applications
- Includes Full Face Bedding-In Coating for seating pad to rotor; reducing noise, vibration and brake component wear
- Patented Retention System increases shear strength and brake pad integrity
- OE thickness steel backing plates reduce flexing delivering full pad to rotor contact
- Pads subjected to rigorous dynamometer and vehicle testing to ensure product integrity, performance and wear
- All sets include required hardware kits

OEM Quality for the Aftermarket

AIR DISC BRAKE PADS



FMSI	PART #	WVA	APPLICATION	CALIPER	BENDIX	MERITOR	TEXTAR	WABCO
8323	D1203-TLP200	29087	Standard OTR	SB7, SN7	K109249	MMD1203AF	2920202	
	D1203-TLP400V		Coach/Transit		K109318		2908711	
8425	D1310-TLP200	29131	Standard OTR	D-ELSA 2		MMD1310AF	2913103	
	D1310-TLP400V		Coach/Transit				2913111	
8426	D1311-TLP200	29187	Standard OTR	EX225 H2		MMD1311AF		
	D1311-TLP400V		Transit/Refuse Fire/Emergency			KIT2252H2BA (MA703) KIT2252H2DA (MA741)	2918702 2918701	
8427	D1312-TLP200	29090	Standard OTR	D-LISA		MMD1312AF		
	D1312-TLP400V		Coach/Transit			68932068NZP	2909006	
8435	D1323-TLP200	29188	Standard OTR	EX225 H3		MMD1323AF		
	D1323-TLP400V		Coach/Transit			KIT2252H3CE (MA721)		
8479	D1369-TLP200	29158	Standard OTR	ADB22X	K070796	MMD1369AF	2926902	
	D1369-TLP400V		Heavy Duty		K109113		2926903	
8480	D1370-TLP200	29189	Standard OTR	EX225 L2		KIT2252L2CD (MA761)		
	D1370-TLP400V		Transit/Refuse			KIT2252L2DA (MA741)		
8515	D1407-TLP200	29030	Standard OTR	D-ELSA 1		MMD1407AF	2911303	
	D1407-TLP400V		Heavy Duty				2911307	
8556	D1438-TLP200	29159	Trailer	PAN19		MMD1438AF		
	D1438-TLP400V		Heavy Duty OTR				2931303	12 999 737VT
8577	D1441-TLP200	29120	Standard OTR	ESD225		MMD1441AF		
	D1441-TLP400V		Heavy Duty					
8727	D1518-TLP200	29088	Standard OTR	PAN17		MMD1518AF		
	D1518-TLP400V		Heavy Duty				2928504	12 999 703VT
8733	D1525-TLP200	29124	Standard OTR	DX195		MMD1525AF		
	D1525-TLP400V		Coach/Transit			KIT195020 (MA705) KIT195021 (MA721)		
8734	D1526-TLP200	29150	Standard OTR	DX225		MMD1526AF		
	D1526-TLP400V		Coach/Transit			KIT225020 (MA705) KIT225021 (MA721)		
8735	D1527-TLP200	29143	Trailer	DB22		MMD1527AF		
	D1527-TLP400V		Heavy Duty					
8771	D1560-TLP200	29125	Standard OTR	D-DUCO		MMD1560AF		
	D1560-TLP400V		Heavy Duty					
8931	D1708-TLP200	29174	Standard OTR	ELSA 225-3		MMD1708AF		
	D1708-TLP400V		Heavy Duty					
8253	D1777-TLP200	29162	Standard OTR	PAN22		MMDWP22AF		
	D1777-TLP400V		Heavy Duty				2933601	12 999 796
N/A	D29253-TLP200	29253	Standard OTR	SB7, SN7			2927801	
	D29253-TLP400V		Coach/Transit				2927802	

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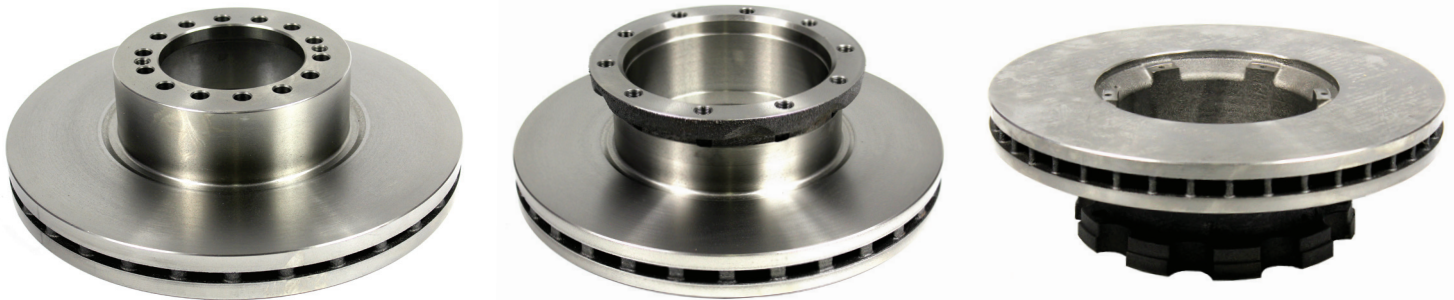
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AIR DISC BRAKE ROTORS



TUFF PRODUCTS FOR TOUGH APPLICATIONS

TuffLine® PLUS Air Disc Brake Rotors are designed for use in the toughest commercial vehicle working environments and are manufactured for maximum performance and durability.



TuffLine® PLUS Air Disc Brake Rotors meet current requirements for FMVSS-121 Certification and European R90 Standards.

- Extensive part number offering
- Rotor features: GG220 Iron Spec, Optimized Venting, Maximized Heat Sink and ABS Rings
- Enhanced design for improved high torque load and thermal wicking
- Separate replaceable e-coated steel ABS rings improves corrosion resistance and extends brake rotor life
- Fully tested to exacting global standards
- Required hardware and ABS rings included (part number specific)
- Coupling TuffLine® PLUS Rotors & Pads delivers a *Braking Package* of the highest quality, performance and value

OEM Quality for the Aftermarket

AIR DISC BRAKE ROTORS



PART #	TYPE	APPLICATION	CALIPER	BENDIX	DURABRAKE	MERITOR	WABCO
BR17D101	U	Freightliner	ADB22X	802081	76618		
BR17D102	U	FL, Volvo/Mack	ADB22X	802082	76617		
BR17D103	U	Nova Bus	SB7	K021958	76612		
BR17D104	Flat	Bendix Splined	ADB22X	802569	76692		
BR17D105	U	Prevost	SB7	II37415N	76603		
BR17D106	U	MCI	SB7		76601A	23-123547-002	
BR17D107	Hat	MCI	EX225		56641	68326014	
BR17D108	U	Prevost	SB7	K021959	76604		
BR17D109	Hat	Bendix	SK7	K034497	76642		
BR17D110	U	Van Hool	SB7		76602A	68323736	
BR17D111	Hat	Prevost	SB7	802669	76641		
BR17D114	U	MCI	EX225		56642	23-123642-002	
BR17D115	U	Trailers	PAN 19		71601		CT832
BR17D119	U	Trailers	PAN 17		75180		CT826
BR17D120	U	Van Hool	SB7		76605		
BR17D121	U	Gillig	EX225		76606	23-123647-002	
BR17D122	U	Setra	SB7		76607		
BR17D123	U	Van Hool	D Elsa2		76608		
BR17D124	U	Setra	D Elsa		76609		
BR17D125	U	Van Hool	SB7		76610		
BR17D127	U	Wabco	PAN 22		76613		CT807
BR17D128	Hat	Setra	SB7		76615		
BR17D129	U	New Flyer	D Elsa/D Elsa2		76616		
BR17D130	Hat	New Flyer	SB7		76621		
BR17D131	Flat	Volvo	EX225		76690		
BR17D132	Flat	Volvo	EX225		76691		
BR17D135	U	Freightliner	MAXXUS			M44DH20682	
BR17D137	U	Hendrickson	MAXX22T				
BR17D139	Flat	Hendrickson	MAXX22T/LT				
BR17D141	U	Haldex	DB22/DB22LT		76810		

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AIR DISC BRAKE CALIPERS



TUFF PRODUCTS FOR TOUGH APPLICATIONS

The TuffLine PLUS® ReMan Air Disc Brake Caliper Program features remanufactured first fit replacement units for OE caliper assemblies.



AIR DISC BRAKE CALIPERS:

- Original equipment lightweight design reduces weight on a tandem axle set
- System provides reduced stopping distance compared to traditional S-Cam brake systems
- Improved braking stability
 - Decreased fade produces enhanced braking application
- Longer pad service life compared to drum brakes
- Reduced maintenance cost due to quick-change ADB pads compared to drum brakes

AVAILABILITY:

- ReMan Calipers
 - Bendix (ADB22X Units with Carriers or Rationalized)
 - Meritor
 - WABCO*
- New Calipers
 - WABCO
- Coverage for On-Highway, Transit & Coach
- Units stocked in South, Bend, IN PDC

REMANUFACTURING PROCESS:

- Only OE caliper cores used
- Remanufactured to OE specifications
- All wearable parts replaced with OE equivalent components
- All units are tested before release
- Remanufactured in the USA

MAJOR SYSTEMS

Bendix/Knorr-Bremse

- ADB22X
- SB7 / SN7

Haldex*

- ModulT
- ModulX

Meritor

- EX225 Series
- DX195

WABCO*

- PAN17
- PAN19
- PAN22
- MAXXUS

* Subject to Core Availability

AIR DISC BRAKE CALIPERS



BENDIX	CALIPER WITH CARRIER	R/L	APPLICATION	TLP REMAN CALIPER #	NEW PART #	ADB PAD FMSI #
ADB22X	12° Steer & Drive - Vert "A"	RH	Freightliner	K109957X	K081256	8479 D1369
ADB22X	12° Steer & Drive - Vert "B"	LH	Freightliner	K109958X	K081257	8479 D1369
ADB22X	12° Steer & Drive - Axial "A"	RH	KW/PB, N, V/M	K109961X	K081142	8479 D1369
ADB22X	12° Steer & Drive - Axial "B"	LH	KW/PB, N, V/M	K109962X	K081143	8479 D1369
ADB22X	0° Trailer - Axial "A"	RH	Trailer	K113887X	802984	8479 D1369
ADB22X	0° Trailer - Axial "B"	LH	Trailer	K113888X	802985	8479 D1369

All part numbers include 803114 Guide Pin Kit

BENDIX	CALIPER/RATIONALIZED WITH CARRIER BUSHING INSTALLED	R/L	APPLICATION	TLP REMAN CALIPER #	NEW PART #	ADB PAD FMSI #
ADB22X	12° Steer & Drive Axle "A"	RH	Steer & Drive	K081258BX	K081258	8479 D1369
ADB22X	12° Steer & Drive Axle "B"	LH	Steer & Drive	K081259BX	K081259	8479 D1369
ADB22X	0° Trailer Axle "A"	RH	Trailer	K019180BX	K019180	8479 D1369
ADB22X	0° Trailer Axle "B"	LH	Trailer	K019181BX	K019181	8479 D1369

All part numbers include 803114 Guide Pin Kit

MERITOR	CALIPER WITH CARRIER	APPLICATION	TLP REMAN CALIPER #	ADB PAD FMSI #
DX195	Axial Mount	Bus-Coach-Transit	DX19539X	8733 D1525
DX195	Axial Mount	Bus-Coach-Transit	DX19540X	8733 D1525
EX225H2	Axial "A" Mount	Specialty/Vocational	EX225H201X	8426 D1311
EX225H2	Axial "A" Mount	Specialty/Vocational	EX225H202X	8426 D1311

WABCO	CALIPER/ BRAKING TORQUE	R/L	APPLICATION	TLP REMAN CALIPER #	NEW PART #	ADB PAD FMSI #
PAN17	7,400 ft. lbs.	LH	Trailer 17.5" Rim	40175072X	40175052	8727 D1518
PAN17	7,400 ft. lbs.	RH	Trailer 17.5" Rim	40175073X	40175073	8727 D1518
PAN19	12,500 ft. lbs.	LH	TRK/TRL 19.5" & 22.5" Rim	40195037X	40195037	8556 D1438
PAN19	12,500 ft. lbs.	RH	TRK/TRL 19.5" & 22.5" Rim	40195038X	40195038	8556 D1438
PAN22	17,000 ft. lbs. TRK 15,500 ft. lbs. TRL	LH	TRK/TRL 22.5" Rim	40225015X	40225015	8253 D1777
PAN22	17,000 ft. lbs. TRK 15,500 ft. lbs. TRL	RH	TRK/TRL 22.5" Rim	40225016X	40225016	8253 D1777
MAXXUS	17,000 ft. lbs.	LH	Freightliner/Western Star	6403220650X	6403220650	640 322 9342*
MAXXUS	17,000 ft. lbs.	RH	Freightliner/Western Star	6403220660X	6403220660	640 322 9342*

*WABCO ADB Pad Kit Number

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