

AIR DISC BRAKES

MAXX™



WABCO

MAXX BREAKTHROUGH IN PERFORMANCE AND WEIGHT REDUCTION...

MAXX™ is the latest, lightest and best performing range of single-piston air disc brakes. The MAXX range fits all sizes of commercial vehicles from light trucks to heavy duty vehicles.

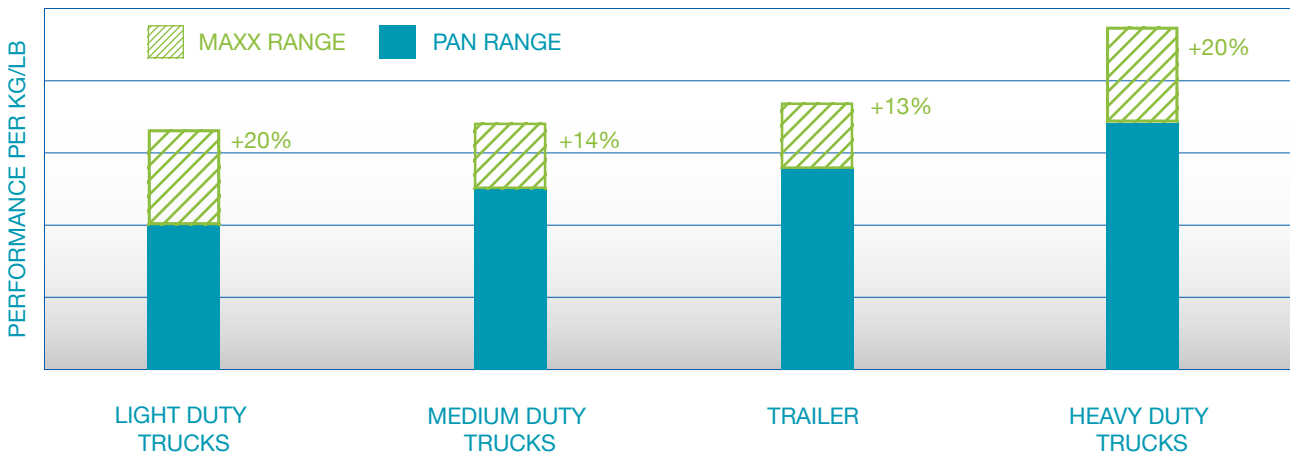
WABCO's air disc brakes have provided excellent customer satisfaction for many years. The highly successful PAN™ range became an industry byword for lightweight design and proven reliability, outperforming conventional drum brakes across a broad spectrum of applications. MAXX is the next, logical evolution of WABCO's braking technology - an air disc brake range that offers higher safety reserves and lower weight for even the most demanding applications.

Where PAN has been the industry benchmark, MAXX exceeds its performance by up to 20%.

WABCO's patented single-piston technology is the cornerstone of the compact MAXX design. Developed using advanced finite element analysis, the new lightweight design cuts down unsprung mass offering payload and fuel economy benefits.

In combination with an efficient service concept this significantly improves Total Cost of Ownership (TCO) for trucks and trailers.

MAXXIMUM PERFORMANCE AT COMPARABLE WEIGHT



MAXXIMUM FEATURES

BETTER BY DESIGN

MAXX brakes are the latest development in WABCO's high performance range of air disc brakes for commercial vehicles.

The proven reliability of WABCO's single-piston technology allied to a compact and innovative design offers exceptional braking performance at a significantly lower weight than previous generations.

Technical Data	MAXX™17	MAXX™19	MAXX™22	MAXX™22T	MAXXUS™
Braking torque / performance	12.000 Nm / 8,800 ft. lbs.	20.000 Nm / 14,700 ft. lbs.	30.000 Nm / 22,100 ft. lbs.	21.000 Nm / 15,500 ft. lbs.	23.000 Nm / 17,000 ft. lbs.
Disc dimensions	330x34 mm / 12.99x1.34 in	375x45 mm / 14.76x1.77 in	432x45 mm / 17x1.8 in	430x45 mm / 16.93x1.77 in	430x45 mm / 16.93x1.77 in
Pad surface area	245 cm² / 38 in²	291 cm² / 45 in²	355 cm² / 53 in²	340 cm² / 52.7 in²	340 cm² / 52.7 in²
Pad thickness	17 mm / 0.67 in	21 mm / 0.83 in	22 mm / 0.87 in	23 mm / 0.91 in	21 mm / 0.83 in
Weight (incl. pads)	23 kg / 51 lb	33 kg / 73 lb	39 kg / 86 lb	32 kg / 71 lb	37 kg / 82 lb
Rim size	17,5" / 17.5 in	19,5" / 19.5 in	22,5" / 22.5 in	22,5" / 22.5 in	22,5" / 22.5 in
Maximum actuator size	Typ 20 / Type 20	Typ 24 / Type 24	Typ 30 / Type 30	Typ 22 / Type 22	Typ 24 / Type 24

MAXXIMUM VALUE

The MAXX range is available to meet the requirements of the entire haulage industry. Since the debut of MAXX 22 in 2010 and the introduction of MAXXUS, a derivative designed for wheel and axle configurations on Class 7 and 8 trucks for North America, a comprehensive range of MAXX brakes has been added. With the launch of MAXX 17, MAXX 19 and MAXX 22T - specific designs for light and medium duty trucks as well as trailers - there is a MAXX for every occasion.



MAXX 22

Heavy Duty Air Disc Brake

- High performance braking for the most demanding heavy truck and bus applications
- Up to 17% weight savings compared with current heavy class brakes which improves fuel economy
- Easy to exchange continuous or end-of-life wear sensor reduces maintenance costs



MAXXUS

Heavy Duty Air Disc Brake US

- US tailored brake power exceeding FMVSS 121 stopping distance regulations
- Stable braking with virtually no fading and excellent downhill performance
- Reduced maintenance costs when compared with drum brakes



MAXX 22T

Trailer Air Disc Brake

- Innovative lightweight design perfectly adapted to trailer needs
- 4kg lighter than previous generation of trailer brakes
- Up to 24kg weight saving in a typical trailer application provides ability to increase payload



MAXX 19

Medium Duty Air Disc Brake

- 14% higher brake performance output at equal weight compared with successful PAN™19
- Redundantly sealed clamping unit ensures a reliable brake performance
- Easy to exchange continuous or end-of-life wear sensor reduces maintenance costs



MAXX 17

Light Duty Air Disc Brake

- 20% higher brake performance output at equal weight compared with successful PAN™17
- Excellent EBS/ABS control and driver comfort - mechanical efficiency exceeds 95%
- Easy to exchange continuous or end-of-life wear sensor reduces maintenance costs

MAXX brakes feature a unique bidirectional adjuster mechanism which ensures optimal running clearance even in extreme conditions.



WABCO SERVICE KITS THE MAXX SOLUTION

- Combination of original WABCO pads and leaf springs guarantees full safety and long product life
- Reduced service time due to easy brake pad replacement with crimped springs on pad backplate
- Guiding system is easy to access and exchange
- Exchange brakes offered by WABCO meet the very highest quality and performance standards
- Exchangeable wear sensor technologies: end-of-life or continuous wear sensor for improved coordination of service intervals
- Separate kits for pad dust shields, rotor dust shields, boots, spreader plates and return units available

ORIGINAL PARTS

Every WABCO part is made of high-grade materials and is rigorously tested by WABCO before leaving its hands. Each is a product of WABCO's 150 year history of innovation and design excellence. The quality of every WABCO part is reinforced by a powerful global customer service network.

ABOUT WABCO

WABCO (NYSE: WBC) is a leading global supplier of technologies and control systems for the safety and efficiency of commercial vehicles. Founded over 150 years ago, WABCO continues to pioneer breakthrough electronic, mechanical and mechatronic technologies for braking, stability and transmission automation systems supplied to the world's leading commercial truck, bus and trailer manufacturers. With sales of \$2.5 billion in 2012, WABCO is headquartered in Brussels, Belgium. For more information, visit:

www.wabco-auto.com

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