

# MAXX™

AIR DISC BRAKES



**WABCO**

Mobilizing Vehicle Intelligence

## MAXX BREAKTHROUGH IN PERFORMANCE AND WEIGHT REDUCTION

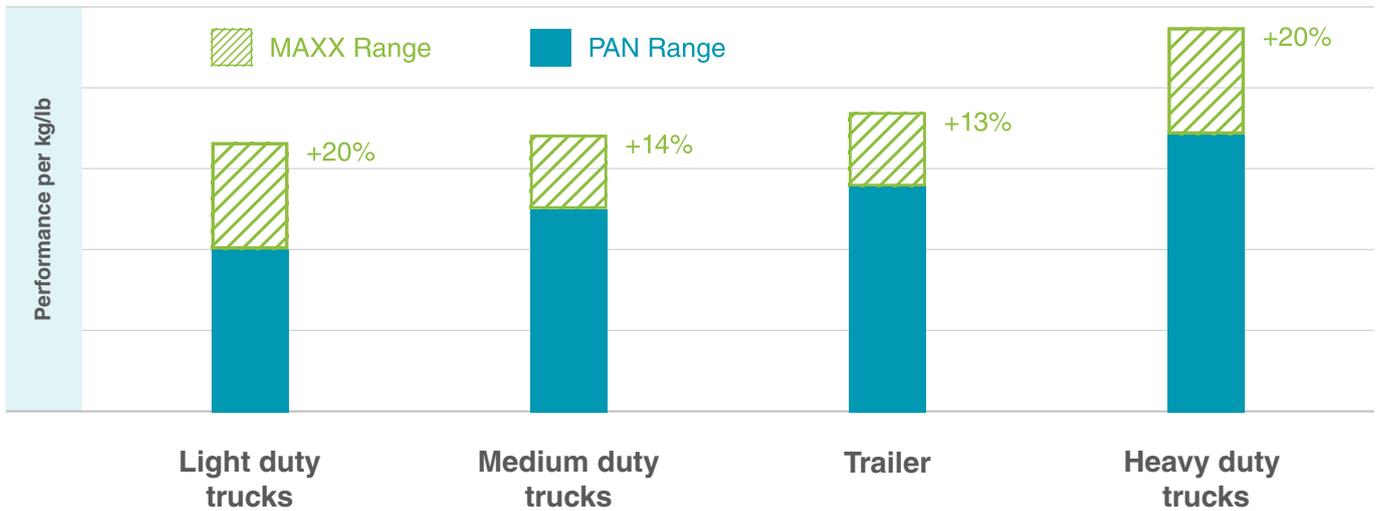
MAXX™ is the proven range of single-piston air disc brakes available in the market that fits all sizes of commercial vehicles from light trucks to heavy duty vehicles.

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 road proven solution of WABCO's braking technology - an air disc brake range that offers higher safe-

ty 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 single-piston technology is the cornerstone of the compact MAXX design. Developed using advanced finite element analysis, the 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

The MAXX range is WABCO's leading technology of high performance single-piston air disc brakes for commercial vehicles.

The proven reliability of 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, the proven single-piston solution for the most demanding heavy duty vehicles 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
- Lightweight heavy duty air disc brake design offering fuel economy benefits
- Easy to exchange continuous or end-of-life wear sensor reduces maintenance costs



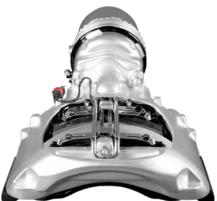
### MAXXUS – HEAVY DUTY AIR DISC BRAKE US

- 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
- Supports trailer applications up to 10 tons axle loads
- Optimized weight-performance ratio provides ability to increase payload



### MAXX 19 – MEDIUM DUTY AIR DISC BRAKE

- 14% higher brake performance output at equal weight compared with 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 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

For further product details contact your WABCO representative

### About WABCO

WABCO (NYSE: WBC) is a leading global supplier of technologies and services that improve the safety, efficiency and connectivity of commercial vehicles. Originating from the Westinghouse Air Brake Company founded nearly 150 years ago, WABCO continues to pioneer breakthrough innovations to enable autonomous driving in the commercial vehicle industry. Today, leading truck, bus and trailer brands worldwide rely on WABCO's differentiating technologies, including advanced driver assistance, braking, steering and stability control systems. Powered by its vision for accident-free driving and greener transportation solutions, WABCO is also at the forefront of advanced fleet management systems that contribute to commercial fleet efficiency. In 2018, WABCO reported sales of \$3.8 billion and more than 16,000 employees in 40 countries. For more information, visit [www.wabco-auto.com](http://www.wabco-auto.com).



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