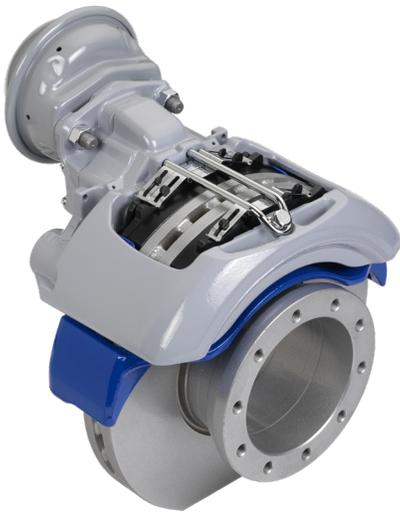


PAN™ & MAXX™

AIR DISC BRAKES



WABCO'S AIR DISC BRAKE SERIES

WABCO AIR DISC BRAKES

The most demanding heavy duty truck, bus and off-highway applications require air brake components with superior stopping credentials. WABCO's PAN™ and MAXX™ single-piston air disc brakes improve vehicle safety and reduce total cost of ownership when compared to traditional drum braking technologies.

With over 20 years of experience, WABCO has become a trusted provider of braking technology in the commercial vehicle industry. Road proven with over 6 million units in operation globally, WABCO's industry-leading braking technologies deliver safe stopping, increased uptime and the service and support needed to keep you on the road.

WABCO air disc brakes feature a lightweight, compact design and our patented single-piston technology helps reduce unsprung mass, ensuring you can maximize your payload and fuel economy.

PAN™

The reliable and proven single-piston technology has made WABCO's PAN range one of the most successful air disc brake ranges. The series features four air disc brake models: PAN 17, PAN 19, PAN 22 and PAN 25 (the number within the name correlates to the supporting wheel size).

Features and Benefits

- Maximized payload due to lightweight design
- Compact design for easy axle adaptation
- KTL coating provides over 400 hours of corrosion protection*
- Encapsulated guiding system mitigates the ingress of dirt and contaminants
- Redundant sealing system at the piston safeguards against adjuster unit contamination
- Extended service intervals for less service cost and downtime (as compared to drum brakes)
- Lifetime lubrication
- Easy radial pad exchange
- Supports truck, trailer, and mining applications

FEATURE AND BENEFITS

- Single-piston clamping unit technology offers higher reliability and lower weight than a double-piston clamping unit
- Comparable output force with significantly fewer parts provides reduced complexity of the caliper assembly for less maintenance, increased uptime and easy serviceability
- Compact design for easy axle adaptation
- Robust spreader plate technology facilitates even pad wear
- Bi-directional adjuster mechanism reduces the likelihood of hot runners and ensures optimal running clearance, even under extreme conditions
- Fits 17" to 25" wheels
- Optimized mounting to fit popular axle and suspensions

*Under neutral salt spray testing

MAXX™

MAXX is WABCO's latest, lightest and highest performing range of single-piston air disc brakes. The series offers lower weight for even the most demanding applications. Where PAN has been an industry benchmark, MAXX exceeds that performance by up to 20%.

MAXXUS™

MAXXUS is a heavy duty air disc brake designed for wheel and axle configurations on Class 7 and 8 trucks. It provides increased braking capabilities to exceed the latest federal stopping distance requirements by 10%.

Features and Benefits

- Provides excellent downhill performance with virtually no fading or pulling
- Reinforced clamping unit in Monobloc caliper provides robust design for increased durability
- Bi-directional adjuster mechanism reduces the likelihood of hot runners and ensures optimal running clearance even under extreme weather conditions
- Robust spreader plate technology facilitates even pad wear

MAXX22T™

MAXX22T is WABCO's newest, innovative trailer air disc brake. It is specifically designed to optimize trailer braking.

Features and Benefits

- Innovative, lightweight design specifically tailored to meet trailer needs, providing the ability to increase payload
- 8.8 lbs. lighter per wheel than previous generations of air disc brakes, which can help reduce fuel consumption and protect the environment
- Supports trailer applications of up to 10 tons axle loaded
- Bi-directional adjuster mechanism reduces the likelihood of hot runners and ensures optimal running clearance even under the most extreme weather conditions

Technical Data	PAN 17	PAN 19	PAN 22	PAN 25	MAXXUS	MAXX22T
Braking torque	10,000 Nm / 7,400 ft. lbs.	17,000 Nm / 12,500 ft. lbs.	Truck: 23,000 Nm / 17,000 ft. lbs. Trailer: 21,000 Nm / 15,500 ft. lbs	25,000 Nm / 18,400 ft. lbs.	23,000 Nm / 17,000 ft. lbs	21,000 Nm / 15,500 ft. lbs.
Disc dimension	330x34 mm / 13x1.3 in	375x45 mm / 14.8x1.8 in	430x45 mm / 17x1.8 in	525x41 mm / 20.6x1.6 in	430x45 mm / 16.93x1.77 in	430x45 mm / 16.93x1.77 in
Pad surface area	240 cm ² / 37 in ²	292 cm ² / 45 in ²	340 cm ² / 53 in ²	340 cm ² / 53 in ²	340 cm ² / 52.7 in ²	340 cm ² / 52.7 in ²
Pad thickness	19 mm / 0.75 in	21 mm / 0.83 in	23 mm / 0.91 in	23 mm / 0.91 in	21 mm / 0.83 in	23 mm / 0.91 in
Weight (including pads)	23 kg / 51 lb	32 kg / 71 lb	36 kg / 79	39 kg / 86 lb	37 kg / 82 lb	32 kg / 71 lb
Rim size	17.5" / 17.5 in	19.5" & 22.5" / 19.5 in & 22.5 in	22.5" / 22.5 in	25" / 25 in	22.5" / 22.5 in	22.5" / 22.5 in
Max. actuator size	Typ 20 / Type 20	Typ 24 / Type 24	Typ 24 / Type 24	Typ 24 / Type 24	Typ 24 / Type 24	Typ 22 / Type 22



OWNERSHIP SUPPORT

WABCO's extensive air disc brake aftermarket product line consists of carriers, calipers, brake pads, pad shields, rotors, rotor shields, repair kits and pressure plates. WABCO is committed to maximizing your uptime with a comprehensive aftersales support network of more than 1,500 distribution points. Our growing distribution network ensures you get the parts you need, when you need them.

**For further product details contact your distributor or the WABCO
Customer Care Center at 855-228-3203.**

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 2017, WABCO reported sales of \$3.3 billion and has nearly 15,000 employees in 40 countries. For more information, visit:

www.wabco-na.com