

Air Disc Brakes

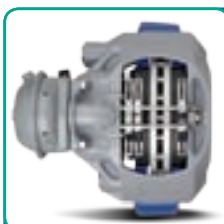
New Generation NG22MAX
for Heavy Class Vehicles



- Reliable WABCO **SINGLE-PISTON** technology
- Highest **PERFORMANCE** at lowest **WEIGHT**
- Extended **SERVICE** intervals

WABCO

The lightweight brake for heavy duty



Optimized and compact brake design for lowest weight



Available with Continuous Wear Sensor (CWS)



New reinforced single-piston clamping unit for highest performance



Monobloc caliper with exchangeable de-adjuster unit



WABCO's permanent and efficient research as well as its very latest innovative solutions is a positive answer to the customers' growing demands for vehicle safety worldwide.

Building on the success in light and medium commercial vehicles with our PAN brakes, WABCO offers a New Generation of Air Disc Brakes for the heavy class of commercial vehicles.

The NG22MAX is designed to fit all common axles for heavy truck and bus applications.

FEATURES

NG22MAX comes with a new designed monobloc caliper and a new reinforced single-piston clamping unit, which enables high brake torques of over 30.000 Nm.

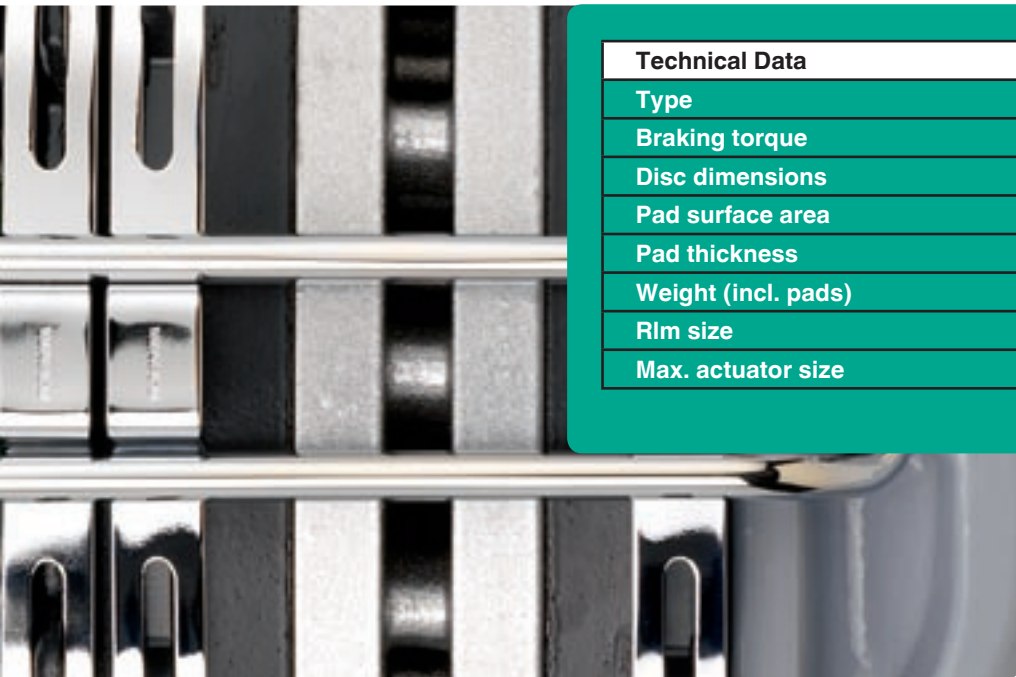
The optimized and compact design of the NG22MAX performs at a weight of 39 kg including pads only.

All key components are protected by redundant sealings, the guiding system is additionally protected by stable metal caps.

The brake caliper provides an advanced surface coating.

The spreader plate shields the piston boot from high thermal stress.

Exceptional design for highest performance



Technical Data	
Type	NG22MAX
Braking torque	> 30,000 Nm / 265,000 lbf. in
Disc dimensions	(max.) 432x45 mm / 17x1.8 in
Pad surface area	355 cm ² / 53 in ²
Pad thickness	22 mm / 0.87 in
Weight (incl. pads)	39 kg / 86 lb
Rlm size	22,5 in
Max. actuator size	Type 30

BENEFITS

■ Effectiveness and safety.

Thanks to its reduced weight, the NG22MAX enhances transportation efficiency by allowing for a higher payload and fuel savings.

■ Easy and cost-effective servicing.

- With NG22MAX, WABCO offers a Continuous Wear Sensor (CWS), which can easily be exchanged without any additional adjustments (Plug & Play).
- The de-adjuster unit is both, easy to access and easy to exchange.
- The clipped pad hold-down springs on the pad back plate simplifies handling and repair.

■ Extended service intervals.

The patented tangential taper wear compensation stands for full utilization of brake pads. In combination with increased pad thickness, service costs are reduced by approximately 5%.

■ Reliability by well-known established technology.

NG22MAX features the WABCO patented single-piston design. This concept enhances operational safety by using a minimum number of components.

SAFETY

- Compatibility to standard ABS/EBS systems.
- Consequent application of state of the art calculation tools in order to lower stress levels.
- Stiff monobloc caliper design for higher safety reserves.



ENVIRONMENTAL SUSTAINABILITY

- With a significantly lower weight than other brakes in this market sector, NG22MAX is designed to lower fuel consumption as a contribution to a healthy environment.
- And of course the entire brake was developed under the latest technical expertise in terms of environment-friendliness. It is free of polluting substances such as Chromium6.

When buying a WABCO product, please check that it contains the typical WABCO marks (particularly on the packaging, labels and identification plate) as evidence that it is an original WABCO part. In case you have any doubts, please contact WABCO or an authorized WABCO partner.

WABCO Vehicle Control Systems is one of the world's leading providers of electronic braking, stability, suspension and transmission automation systems for heavy duty commercial vehicles. Customers include the world's leading commercial truck, trailer, and bus manufacturers. Founded in the U.S. in 1869 as Westinghouse Air Brake Company, WABCO was acquired by American Standard in 1968 and spun off in 2007. Headquartered in Brussels, Belgium, WABCO employs more than 7,700 people in 31 countries worldwide. In 2007, WABCO's total sales were \$2.4 billion. WABCO is a publicly traded company and is listed on the New York Stock Exchange with the stock symbol WBC.

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