

Spare Parts | for Disc Brakes



WABCO

**Spare parts for disc brakes:
Brake pad repair kits, brake discs and pad wear indicators**

This document contains an overview of the brake pad repair kits, brake discs and pad wear indicators currently available from WABCO for repairing WABCO disc brakes.

Overview on the backpage

This overview is intended to assist you in selecting the spare parts to be changed as well as the quantities required.

For brake or axle?

The brake pad repair kits contain components for equipping an axle.

For brake discs and pad wear indicators it is necessary to check if the kit refers to a single brake or an axle. Please refer to the information in the overview regarding this.

WABCO delivers OE quality only

All the spare parts we supply are of OE quality you have come to expect from WABCO.



Brake pad repair kits

Our repair kits for air disc brakes contain all the spare parts required for a correct repair and replacement of brake pads; i.e. not only the brake pads but also additional individual parts such as pad hold-down springs, locking screws and pad downholder bars.

In this regard, we point out that many brake pad repair kits for our

brakes sold in the spare part market are not OEM products supplied by WABCO.

Both the contents and the quality of such repair kits do not match those of our genuine repair kits. This represents a major safety risk!

Quality checks have revealed that the accessories sold do not meet the

criteria claimed for them and the result may be premature failure of the pad hold-down mechanism.

Furthermore, as described below, the braking system may suffer not only from increased wear but also from a total failure, which is possible to occur suddenly.

Why is it so important to use genuine parts?

Optimum correlation between the brake pad and brake disc

Only by having the correct, authorised brake pad quality it is possible to ensure the greatest possible safety, optimum wear properties and brake comfort.

Pad hold-down springs with tested spring forces

Pad hold-down springs are subject to wear and have to be replaced every time the pads are changed. The hold-down forces of the pad springs vary over the lifetime of a

pad. Only by fitting genuine springs when installing new brake pads it is possible to ensure that the brake pads can move optimally:

- Breakage hazard
 - Loss of pads
 - Sudden total failure
- Reduction in spring forces
 - Increased wear.

Adjuster screw plug

Only the genuine plug with its specially formed sealing lips ensures the brake is optimally sealed to prevent water penetration and contamination.

- Corrosion
 - Brake malfunction and failure.

Pad downholder bar with optimised wear properties and corrosion resistance

Pad downholder bars have to ensure the sliding of the pads. Although they are made of stainless steel, they are exposed to heat and dirt what requires a replacement at the same time of pads change.

- Increased wear, additional fuel consumption
 - Uneven pad wear left to right
 - Short service life.

Screw thread sealing

All WABCO downholder locking screws avoid corrosion at the female thread and are with this easily disassembled. This ensures easy pad changes even under hard operation conditions.

- Damaged female thread
 - Brake replacement.

By using genuine WABCO parts, you can avoid brake malfunctions due to non-controlled wear progress or even brake failures and disc damage caused by lost pads!

High carbon grey cast iron brake discs for wheel sizes from 17,5" up to 22,5"

Properties

With high carbon portion our brake discs are capable of transporting large amounts of heat and through internal ventilation to quickly dissipate it to the environment. Long brake pad durability is reached through low disc temperature.

- Uniform temperature distribution over the whole surface
- High brake torque thanks to low disc temperature
- Minimum thermal deformation
- High disc resistance to crack formation.

Quality assurance

Before they are released, WABCO brake discs are subject to extensive tests. Various life cycle trials are performed on our dynamometer to special test programmes in order to fully meet customer expectations.

These include, e.g.:

- Full braking with extremely high braking torques
- Heat crack tests
- Coefficient of friction performance at very high temperatures

- Wear tests
- Disc brake testing through to material destruction to obtain precise durability information
- Extensive tests in vehicles, road tested under difficult conditions.

To achieve a long life, WABCO brake discs are developed with the aid of FEM calculations (Finite Element Method). Produced with maximum precision and under continuous control in order to be able to supply you with high quality and dimensionally exact brake discs.

Your benefits

- Long service intervals, even under difficult braking conditions
- Top braking performance
- Maximum braking comfort
- Particularly high braking stability (minimum brake fading)

Pirates are selling cheap low quality material brake discs, which have a high risk for cracks into the ventilation channel of the disc or even total rupture, causing malfunction of the brake and risking people's life.

We therefore strongly recommend to only apply WABCO spare parts in combination with our disk brakes!

For more information about our spare parts for wheel brakes in commercial vehicles and buses, please refer to the booklet with this name, order no. 815 010 041 3. This also contains technical information about the basic settings of brakes.

Our detailed communication connections are on the Internet under:

www.wabco-auto.com

E-mail: info@wabco-auto.com



Vehicle / Axle Manufacturer	Vehicle / Axle Type*	Brake Type	Brake Pad Repair Kit (per axle)		Brake Disc (per brake)		Wear Indicator
			Front Axle	Rear Axle	Front Axle	Rear Axle	
DAF	Type LF 45; 6,2 - 12 t (from 11/2000)	PAN 17: 40 175 070 / 071 / 072 / 073	12 999 743VT	12 999 743VT	12 999 756VT (7 t) 12 999 757VT (12 t)	12 999 758VT	incl. in brake pad repair kit
DAF	Type LF 55; 12 - 15 t (09/2000 till 01/2003)	PAN 19-2: 40 195 007 / 008 / 011 / 012	12 999 748VT	12 999 748VT	12 999 760VT	12 999 759VT	incl. in brake pad repair kit
DAF	Type LF 55; 12 - 15 t (from 02/2003)	PAN 19-1^{plus}: 40 195 043 / 044 / 045 / 046	12 999 791	12 999 791	12 999 760VT	12 999 759VT	incl. in brake pad repair kit
Daimler Chrysler	Sprinter/Sprinter Vario Dual tyres; 4,6 t	244 V-Ö: 40 244 001 / 002 / 009 / 010 / 017 / 018	12 999 541VT	12 999 541VT			13 480 023 (per brake)
Daimler Chrysler	Van 207 D till 310 (T1 series, max. till 1995) Off-Road Vehicle 230 GE till 500 GE AMG	444 F-Ö: 40 444 149 / 150 / 183 / 184 / 221 / 222 / 239 / 240 / 241 / 242	12 999 165VT (Ferodo) 12 999 221VT (Textar) 12 999 800 (Jurid)				
Dennis	Enviro 300	PAN 19-1^{plus}: 40 195 019 / 020 / 039 / 040	12 999 770	12 999 770	13 162 046	13 162 047	incl. in brake pad repair kit
IVECO	Daily Van Types 35-10 till 49-12 Turbo Basic and Classic	444 F-Ö: 40 444 191 / 192 / 205 / 206 / 223 / 224	12 999 646VT				incl. in brake pad repair kit
IVECO	Daily Van Type 59-12 Turbo Intercooler	450 F-Ö: 40 450 007 / 008 / 013 / 014	12 999 563VT				incl. in brake pad repair kit
IVECO	Truck EuroCargo Type 120 EL	PAN 17: 40 175 058 / 059 / 060 / 061	12 999 698VT		12 999 728VT (per axle)		incl. in brake pad repair kit
Leyland / DAF	Type 45 Roadrunner; 6 - 8 t	456 F-Ö: 40 456 033 / 034	12 999 325VT		13 162 041		
Leyland / DAF	Type 45 Roadrunner; 8 - 11 t	465 F-Ö: 40 465 019 / 020	12 999 325VT		13 162 042		
Leyland / DAF	Type 50/55 Roadrunner; 11 - 15 t	1600 V-G: 40 160 005 / 006 / 015 / 016	12 999 665VT		13 162 043		incl. in brake pad repair kit
MAN	L2000 (09/1993 till 12/1996)	1000 V-G: 40 100 001 / 002 / 005 / 006	12 999 629VT (Ferodo) 12 999 631VT (Textar)				
MAN	L2000 (from 01/1997) and M2000-L till 12 t (from 02/1996)	PAN 17: 40 175 025 / 026 / 027 / 028 / 049 / 050 / 051 / 052 / 080 / 081	12 999 782	12 999 782			12 480 021 (per brake)
Neoplan	Coach Type N 8008 and Metroliner	1000 V-G: 40 100 003 / 004	12 999 631VT	12 999 631VT			
Renault	Midlum M 112; 7 - 12 t	PAN 17: 40 175 062 / 063 / 064 / 065	12 999 703VT	12 999 703VT			incl. in brake pad repair kit
Renault	Midlum M 113; 14 - 16 t	PAN 19-2: 40 195 009 / 010 / 021 / 022	12 999 747VT	12 999 747VT			incl. in brake pad repair kit
SAF	SKRB 9019 W Intradisc plus (Kempf, Kögel, Krone, Schwarzmüller)	PAN 19-1^{plus} and 19-1: 40 195 001 / 002 / 003 / 004 / 017 / 018 / 037 / 038	12 999 737VT for all axles				12 999 755VT (per axle)
SAF	9t axle: SKRS 9022 W; SKR(L)B 9022 W, SKRZ 9022 W; 11t axle: SKRS 11222 W, SKRZ 11222 (Kempf, Kögel, Krone, Schwarzmüller)	PAN 22-1: 40 225 007 / 008 / 015 / 016	12 999 796 for all axles				12 999 797 (per axle)
SMB	(Benalu, Fruehauf, Trailor, Blond-Baudoin)	PAN 22: 40 225 003 / 004	12 999 676VT for all axles		13 162 025 for all axles		

* only for information