




Brakes


EUROPART Premium Parts

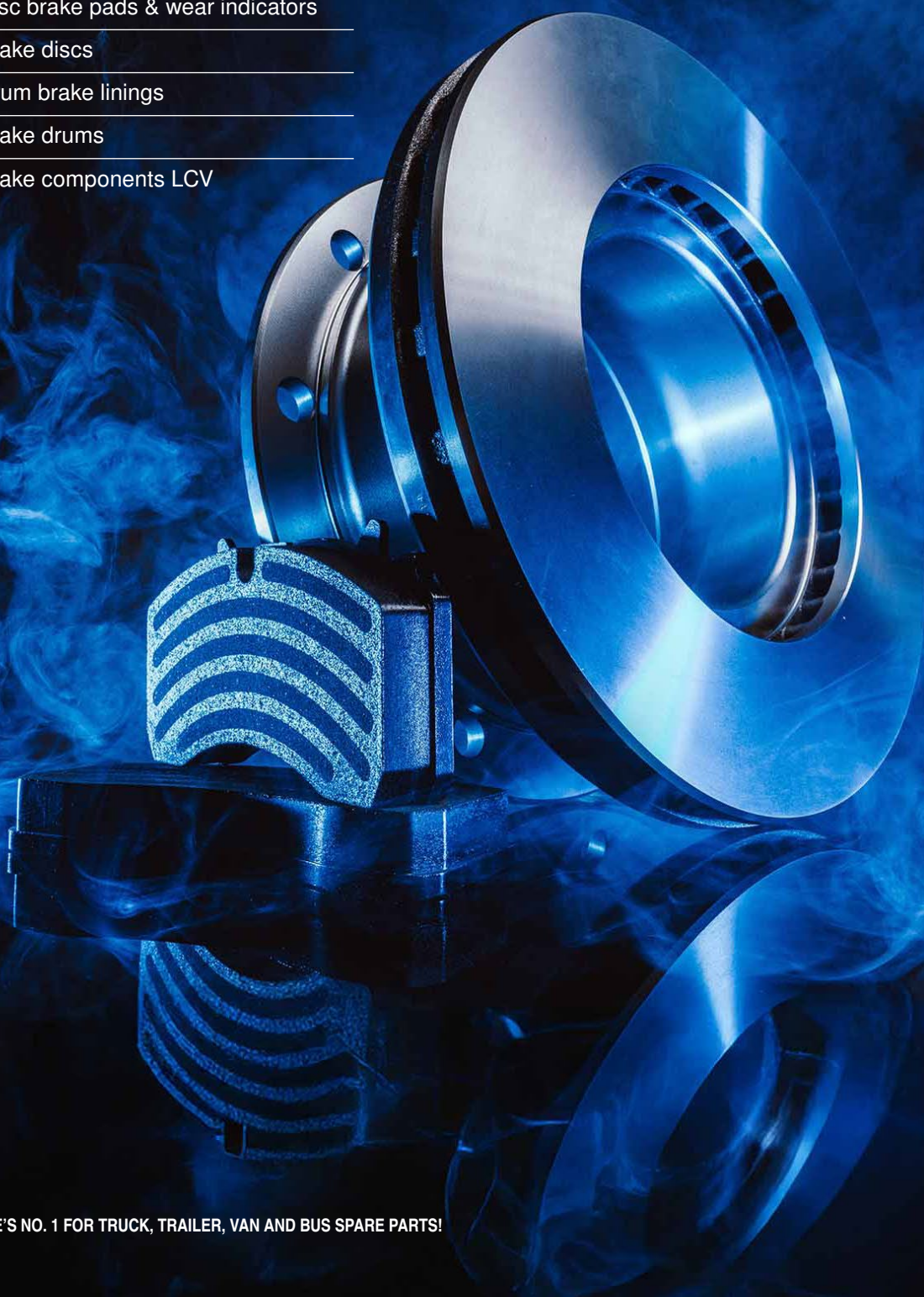
 Disc brake pads & wear indicators

 Brake discs

 Drum brake linings

 Brake drums

 Brake components LCV



Spotlight on ...

EUROPART Premium Parts Brakes

The basis for safety and efficiency

In the lorry industry, the axle, brakes and chassis are crucial for safety and driving comfort. The axle carries the load and ensures stability. Modern braking systems, especially electronic versions, enable safe and controlled braking. The chassis connects the frame and wheels, influences the driving behaviour and, thanks to air suspension, ensures comfort and adapted axle loads. Together they ensure the reliability, performance and economy of modern commercial vehicles.

The advantages of our Premium Parts

- ||| High quality standards: IATF 16949 & ECE R90
- ||| Comparable with OE standards thanks to standardised test procedures
- ||| Wide market coverage thanks to focus on all common commercial vehicle types in Europe

Brake discs

- ||| Temperature resistant up to 800 °C
- ||| Suitable for long service life
- ||| Balanced in the workshop for vibration-free running
- ||| Use of high-quality grey cast iron

Brake pads

- ||| Brake pad with Green Coat
- ||| Immediate braking power without braking time
- ||| More safety, comfort and less wear

3-year manufacturer's warranty

A strong performance promise:
Beyond the legal requirements of a one-year warranty.

We grant a full 3-year manufacturer's warranty!



> 600.000
brake components sold in the
last 3 years

40 %
Premium Parts quota

28
countries

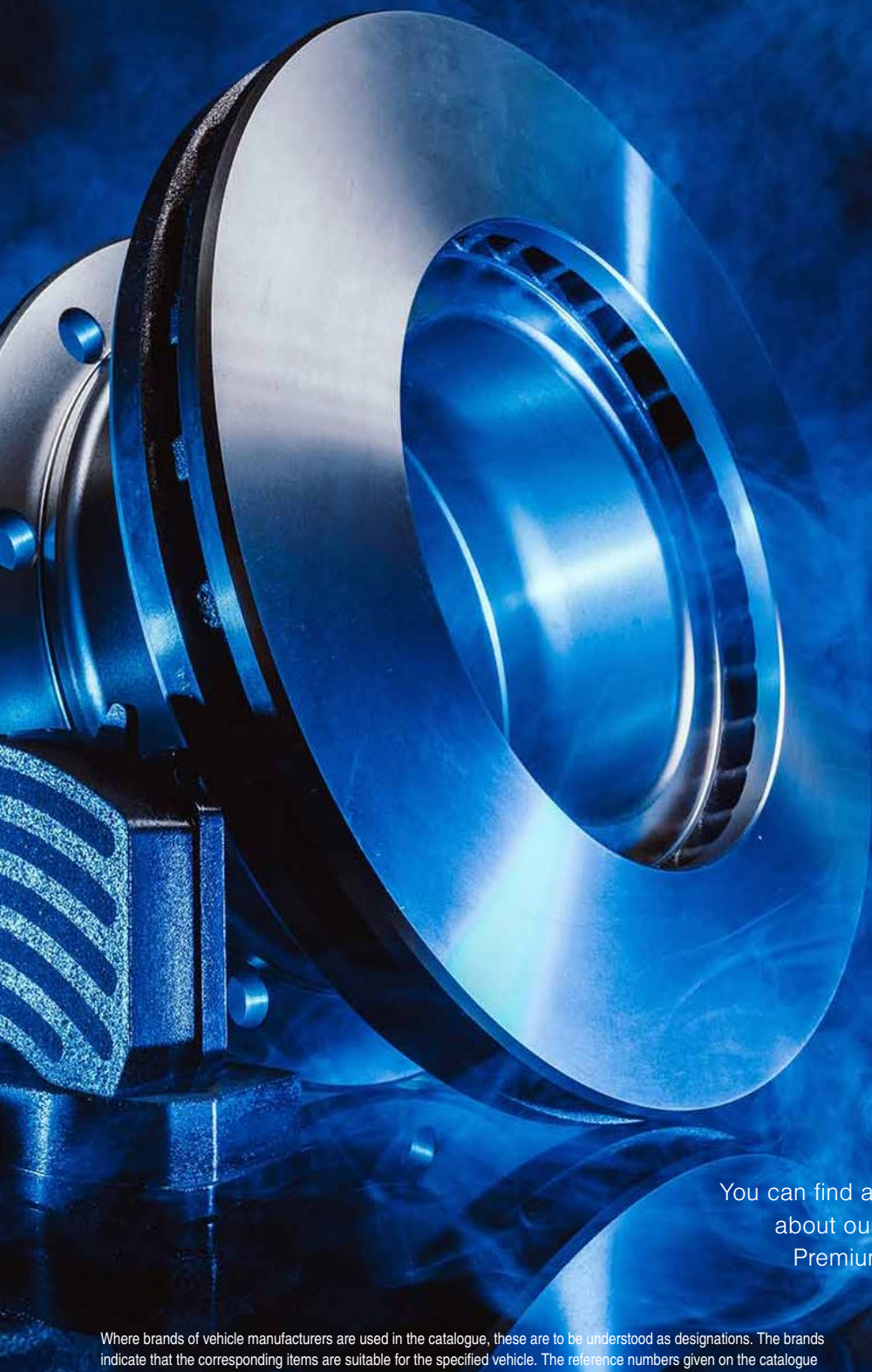
30

years of Premium
Parts expertise

76 years of
customer
service

> 250
References

3 years manu-
facturer's
warranty



You can find all information
about our EUROPART
Premium Parts here:



Where brands of vehicle manufacturers are used in the catalogue, these are to be understood as designations. The brands indicate that the corresponding items are suitable for the specified vehicle. The reference numbers given on the catalogue pages are for identification purposes.

SUITABLE FOR BPW



Brake pad set

Version with Green Coat

Scope of supply
with accessories

Tested and approved according to UN ECE R90 standard

Multi-tooth nut for resetter is not included in the pad set. Please order 3566 180 782 if required.

This figure corresponds to 2323 405 206

Brake system	WVA no.	Coating length	Lining width	Lining thickness	Order no	Comparative no
SB/SN 7	29059, 29061, 29087, 29108, 29201	247,5 mm	109,5 mm	30,00 mm	2323 405 206	BPW 09.801.08.17.1
SB4309T	29308	210,8 mm	108,0 mm	30,00 mm	2129 029 308	BPW 09.801.08.16.1
SB3745	29306	210,9 mm	92,5 mm	30,00 mm	2129 029 306	BPW 09.801.08.15.1
SB4345	29307	248,0 mm	109,5 mm	30,00 mm	2129 029 307	BPW 09.801.08.17.1

SUITABLE FOR BPW



Wear indicator kit for disc brake

Scope of supply
1 set = 2 units

This figure corresponds to 9333 472 001

Brake system	Length	Order no	Comparative no
SB/SN 6	750 mm	9333 472 002	BPW 05.801.51.70.0
SB/SN 7	365 mm	9333 472 001	BPW 05.801.51.74.0

SUITABLE FOR SAF



Brake pad set

Version with Green Coat

Scope of supply with accessories

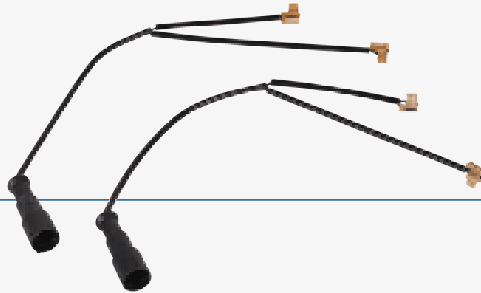
Tested and approved according to UN ECE R90 standard

Multi-tooth nut for resetter is not included in the pad set. Please order 3566 180 782 if required.

This figure corresponds to 2323 405 206

Brake system	WVA no.	Coating length	Lining width	Lining thickness	Order no	Comparative no
SB/SN 7	29059, 29061, 29087, 29108, 29201	247,5 mm	109,5 mm	30,00 mm	2323 405 206	SAF 3 057 0079 00
SK 7	29158	210,8 mm	108,0 mm	30,00 mm	2129 158 009	SAF 3 057 0085 00
SB/SN 6	29095	210,6 mm	92,5 mm	30,00 mm	2129 095 006	SAF 3 057 0078 00
PAN 22-1	29162	210,3 mm	109,8 mm	31,00 mm	2129 162 100	SAF 3 057 0084 00

SUITABLE FOR SAF



Wear indicator kit for disc brake

Scope of supply 1 set = 2 units

This figure corresponds to 9333 472 001

Brake system	Length	Order no	Comparative no
SB/SN 6	750 mm	9333 472 002	SAF 3 424 2004 00
PAN 19	800 mm	9333 472 003	SAF 3 424 2001 00
PAN 22	765 mm	9333 129 997	SAF 3 424 2009 00



EUROPART 29061
90R-01435/057

901 4E

SUITABLE FOR SCHMITZ



Brake pad set

This figure corresponds to 2323 405 206

Version with Green Coat

Scope of supply
with accessories

Tested and approved according to UN ECE R90 standard

Multi-tooth nut for resetter is not included in the pad set. Please order 3566 180 782 if required.

Brake system	WVA no.	Coating length	Lining width	Lining thickness	Order no	Comparative no
SB/SN 7	29059, 29061, 29087, 29108, 29201	247,5 mm	109,5 mm	30,00 mm	2323 405 206	Schmitz 017927
MAXX 22T	29162	210,3 mm	109,8 mm	31,00 mm	2323 029 162	Schmitz 1195232

SUITABLE FOR SMB



Brake pad set

Version with Green Coat

Brake system SB/SN 7

WVA no. 29059, 29061, 29087, 29108, 29201

Coating length 247,5 mm

Lining width 109,5 mm

Lining thickness 30,00 mm

Scope of supply
with accessories

Tested and approved according to UN ECE R90 standard

Multi-tooth nut for resetter is not included in the pad set. Please order 3566 180 782 if required.

Order no	Comparative no
2323 405 206	SMB M100669

SUITABLE FOR MERCEDES-BENZ


**EURO
PART**


Brake pad set

This figure corresponds to 2323 405 206

Version with Green Coat

Scope of supply
with accessories

Tested and approved according to UN ECE R90 standard

Multi-tooth nut for resetter is not included in the pad set. Please order 3566 180 782 if required.

Brake system	WVA no.	Coating length	Lining width	Lining thickness	Order no	Comparative no
SB/SN 7	29059, 29061, 29087, 29108, 29201	247,5 mm	109,5 mm	30,00 mm	2323 405 206	Mercedes-Benz 006 420 10 20
D-ELSA 1	29030, 29113, 29210	249,5 mm	118,2 mm	28,00 mm	2129 030 009	Mercedes-Benz 002 420 55 20
SB/SN 6	29095	210,6 mm	92,5 mm	30,00 mm	2129 095 006	Mercedes-Benz 005 420 23 20
SK 7	29158	210,8 mm	108,0 mm	30,00 mm	2129 158 009	Mercedes-Benz 004 420 70 20
SB/SN 5	29183	185,0 mm	84,0 mm	27,00 mm	2129 115 008	Mercedes-Benz 003 420 72 20
SB/SN 7	29059, 29061, 29087, 29108, 29201	247,5 mm	109,5 mm	30,00 mm	2323 405 207	Mercedes-Benz 006 420 10 20
SL 7	29244	207,6 mm	111,3 mm	35,00 mm	2129 244 008	Mercedes-Benz 008 420 73 20
SM 7	29246	244,6 mm	111,3 mm	35,00 mm	2129 246 008	Mercedes-Benz 006 420 14 20
MAXX 22	29315	220,9 mm	104,5 mm	30,00 mm	2323 029 315	Mercedes-Benz 960 420 04 20

*specifically for short-distance use

SUITABLE FOR MERCEDES-BENZ


**EURO
PART**


Wear indicator kit

This figure corresponds to 9333 062 001

for disc brake

Scope of supply
1 set = 2 pieces

Brake system	Length	Order no	Comparative no
SB/SN 7	315 mm	9333 062 001	Mercedes-Benz 356 540 00 17
SB/SN 6	750 mm	9333 472 002	Mercedes-Benz 946 542 01 18
SB/SN 7	365 mm	9333 072 002	Mercedes-Benz 003 542 68 18

SUITABLE FOR MAN




Brake pad set

This figure corresponds to 2323 405 206

Version with Green Coat

Scope of supply
with accessories

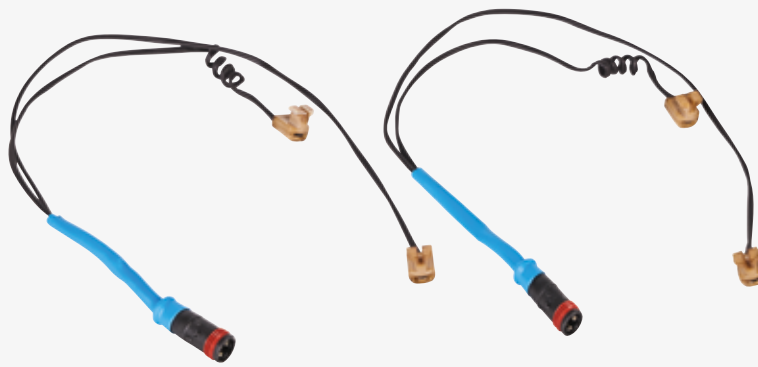
Tested and approved according to UN ECE R90 standard

Multi-tooth nut for resetter is not included in the pad set. Please order 3566 180 782 if required.

Brake system	WVA no.	Coating length	Lining width	Lining thickness	Order no	Comparative no
SB/SN 7	29059, 29061, 29087, 29108, 29201	247,5 mm	109,5 mm	30,00 mm	2323 405 206	MAN 81.50820-6093
D-ELSA 1	29030, 29113, 29210	249,5 mm	118,2 mm	28,00 mm	2129 030 009	MAN 81.50820-6016
SB/SN 6	29095	210,6 mm	92,5 mm	30,00 mm	2129 095 006	MAN 81.50820-6022
D-ELSA 2	29131	249,3 mm	117,9 mm	30,00 mm	2129 131 604	MAN 81.50820-5072
SB/SN 5	29183	185,0 mm	84,0 mm	27,00 mm	2129 115 008	MAN 81.50820-6097
SB/SN 7	29059, 29061, 29087, 29108, 29201	247,5 mm	109,5 mm	30,00 mm	2323 405 207	MAN 81.50820-6093
MAXX 22	29279	218,0 mm	107,3 mm	30,80 mm	2323 029 279	MAN 81.50820-6090

*specifically for short-distance use

SUITABLE FOR MAN

Brake pad sensor for disc brake

This figure corresponds to 9333 411 903

Scope of supply
1 set = 2 pieces

Brake system	Length	Order no	Comparative no
D-ELSA 1 / D3	405 mm	9333 411 903	MAN 81.50822-6017
SB/SN 7	365 mm	9333 072 002	MAN 36.50822-6007
D-ELSA 2	330 mm	9333 412 007	MAN 81.50822-6018
D3	340 mm	9333 074 801	MAN 81.50811-0004
D-ELSA 1 / D3	385 mm	9333 412 002	MAN 81.50822-6016
SB/SN 6	395 mm	9333 412 005	MAN 81.50822-6029
PAN 17	298 mm	9333 412 004	MAN 81.50822-6014
SB/SN 7	194 mm	9333 417 701	MAN 81.25937-6011

SUITABLE FOR VOLVO



Brake pad set

Version with Green Coat

This figure corresponds to 2129 039 008

Scope of supply
with accessories

Tested and approved according to UN ECE R90 standard

Multi-tooth nut for resetter is not included in the pad set. Please order 3566 180 782 if required.

Brake system	WVA no.	Coating length	Lining width	Lining thickness	Order no	Comparative no
B-Frame	29039	175,3 mm	78,0 mm	22,00 mm	2129 039 008	Volvo 12761476
C-DUCO	29137	175,7 mm	89,1 mm	29,20 mm	2129 137 603	Volvo 3093532
D-LISA	29090	249,6 mm	114,2 mm	28,00 mm	2129 090 008	Volvo 3093919
D-ELSA 225-3	29174	249,6 mm	106,9 mm	29,20 mm	2129 174 008	Volvo 20568711
D-DUCO	29125, 29277	250,0 mm	110,0 mm	29,20 mm	2129 125 009	Volvo 3095396
DB 19	29181	210,0 mm	93,2 mm	30,00 mm	2129 181 008	Volvo 20844903
MAXX 19	29284	210,7 mm	90,6 mm	30,00 mm	2129 029 284	Volvo 21538279

SUITABLE FOR VOLVO



Brake pad sensor

Scope of supply
1 set = 2 pieces

Brake system	Length	Order no	Comparative no
D-ELSA 225-3	265 mm	9333 392 001	Volvo 3118128
D-ELSA 225-3	315 mm	9333 342 002	Volvo 3118128

SUITABLE FOR SCANIA



Brake pad set

Version with Green Coat

Scope of supply with accessories

Tested and approved according to UN ECE R90 standard

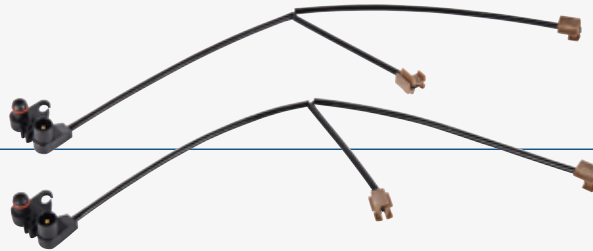
Multi-tooth nut for resetter is not included in the pad set. Please order 3566 180 782 if required.

This figure corresponds to 2323 405 206

Brake system	WVA no.	Coating length	Lining width	Lining thickness	Order no	Comparative no
SB/SN 7	29059, 29061, 29087, 29108, 29201	247,5 mm	109,5 mm	30,00 mm	2323 405 206	Scania 2325212
SB/SN 7	29059, 29061, 29087, 29108, 29201	247,5 mm	109,5 mm	30,00 mm	2323 405 207	Scania 2325212
SN 7 HP	29331	247,7 mm	107,9 mm	30,00 mm	2129 331 008	Scania 2325213

*specifically for short-distance use

SUITABLE FOR SCANIA



Wear indicator kit

Brake system SB/SN 7
Length 315 mm

Scope of supply 1 set = 2 units

Order no	Comparative no
9333 352 001	Scania 1794440

Find your branch now with our branch finder!



SUITABLE FOR RENAULT


**EURO
PART**


Brake pad set

This figure corresponds to 2129 030 009

Version with Green Coat

Scope of supply
with accessories

Tested and approved according to UN ECE R90 standard

Multi-tooth nut for resetter is not included in the pad set. Please order 3566 180 782 if required.

Brake system	WVA no.	Coating length	Lining width	Lining thickness	Order no	Comparative no
D-ELSA 1	29030, 29113, 29210	249,5 mm	118,2 mm	28,00 mm	2129 030 009	Renault 5001823000
D-ELSA 225-3	29065	175,0 mm	85,0 mm	22,00 mm	2129 065 603	Renault 5001014694
D-ELSA 2	29131	249,3 mm	117,9 mm	30,00 mm	2129 131 604	Renault 5001855646
D-LISA	29090	249,6 mm	114,2 mm	28,00 mm	2129 090 008	Renault 5001831161
D-ELSA 225-3	29174	249,6 mm	106,9 mm	29,20 mm	2129 174 008	Renault 7421399929

SUITABLE FOR RENAULT


**EURO
PART**


Wear indicator kit

This figure corresponds to 9333 311 903

Scope of supply
1 set = 2 units

Brake system	Length	Order no	Comparative no
D-ELSA 225-3	360 mm	9333 311 903	Renault 68325408
PAN 17	303 mm	9333 312 001	Renault 5010848607
D-ELSA 225-3	315 mm	9333 342 002	Renault 5001831161

SUITABLE FOR IVECO



Brake pad set

This figure corresponds to 2323 405 206

Version with Green Coat

Scope of supply
with accessories

Tested and approved according to UN ECE R90 standard

Multi-tooth nut for resetter is not included in the pad set. Please order 3566 180 782 if required.

Brake system	WVA no.	Coating length	Lining width	Lining thickness	Order no	Comparative no
SB/SN 7	29059, 29061, 29087, 29108, 29201	247,5 mm	109,5 mm	30,00 mm	2323 405 206	Iveco 500055167
SB/SN 6	29095	210,6 mm	92,5 mm	30,00 mm	2129 095 006	Iveco 2992336
D-ELSA 225-3	29065	175,0 mm	85,0 mm	22,00 mm	2129 065 603	Iveco 1906144
Bendix	29011	240,4 mm	125,0 mm	25,00 mm	2129 011 008	Iveco 1906191
SB/SN 7	29059, 29061, 29087, 29108, 29201	247,5 mm	109,5 mm	30,00 mm	2323 405 207	Iveco 500055167
B-Frame	29256	175,4 mm	95,0 mm	27,00 mm	2129 256 008	Iveco 2996518

*specifically for short-distance use

SUITABLE FOR IVECO



Wear indicator kit

Scope of supply

1 set = 2 units

Brake system	Length	Order no	Comparative no
D-ELSA 225-3	315 mm	9333 342 002	Iveco 500054985
D-ELSA 225-3	200 mm	9333 301 901	Iveco 1906462
B-Frame	210 mm	9333 552 002	Iveco 2992393
SB/SN 7	315 mm	9333 352 001	Iveco 500054985
PAN 17	1320 mm	9333 305 701	Iveco 42530550

SUITABLE FOR DAF


**EURO
PART**


Brake pad set

Version with Green Coat

This figure corresponds to 2323 405 206

Scope of supply
with accessories

Tested and approved according to UN ECE R90 standard

Multi-tooth nut for resetter is not included in the pad set. Please order 3566 180 782 if required.

Brake system	WVA no.	Coating length	Lining width	Lining thickness		Order no	Comparative no
SB/SN 7	29059, 29061, 29087, 29108, 29201	247,5 mm	109,5 mm	30,00 mm		2323 405 206	DAF 1982826
SB/SN 7	29059, 29061, 29087, 29108, 29201	247,5 mm	109,5 mm	30,00 mm	*	2323 405 207	DAF 1982826

*specifically for short-distance use

SUITABLE FOR DAF


**EURO
PART**


Warning contact set

 Brake system PAN 19-1/PAN 19-2
 Length 323 mm

Scope of supply
1 set = 2 units

Order no	Comparative no
9333 422 002	DAF 68323004

EUROPART brake pads – it all comes down to the exact formula in grams!

A brake pad seems quite simple - a backing plate and friction material? But a disc brake pad can by no means be reduced to these two words.

A disc brake system must reliably bring several tonnes of moving mass to a standstill from high speeds in the shortest possible time. And it has to do this time and time again - regardless of the climate and topography.

Resistant to wear and heat, low-noise and independent of the operating condition, it must offer a friction coefficient curve that is as constant as possible and also harmonise well with the friction partner brake disc. These are complex requirements - in addition to the necessary deceleration. All these requirements can only be realised with the right choice of material and a suitable mix of components.

A EUROPART multi-composite friction lining is a highly developed material. Depending on the application, it can consist of up to 40 different materials. Each component fulfils a specific function. The friction lining contains, among other things

- \\ Binding agents (e.g. resins),
- \\ Fibre components (minerals, glass fibres),
- \\ Lubricants (e.g. graphite powder, metal disulphides),
- \\ metallic fillers (e.g. brass, bronze, magnesium, iron),
- \\ mineral fillers (e.g. aluminium oxide),
- \\ Sulphides (e.g. zinc, antimony, molybdenum).

As any deviation in the composition and processing influences the performance and comfort characteristics, EUROPART brake pads are manufactured on state-of-the-art machines under automated and monitored production processes in accordance with the automotive standard IATF 16949.



Green Coat – a special coating: optimised braking behaviour from the first brake application

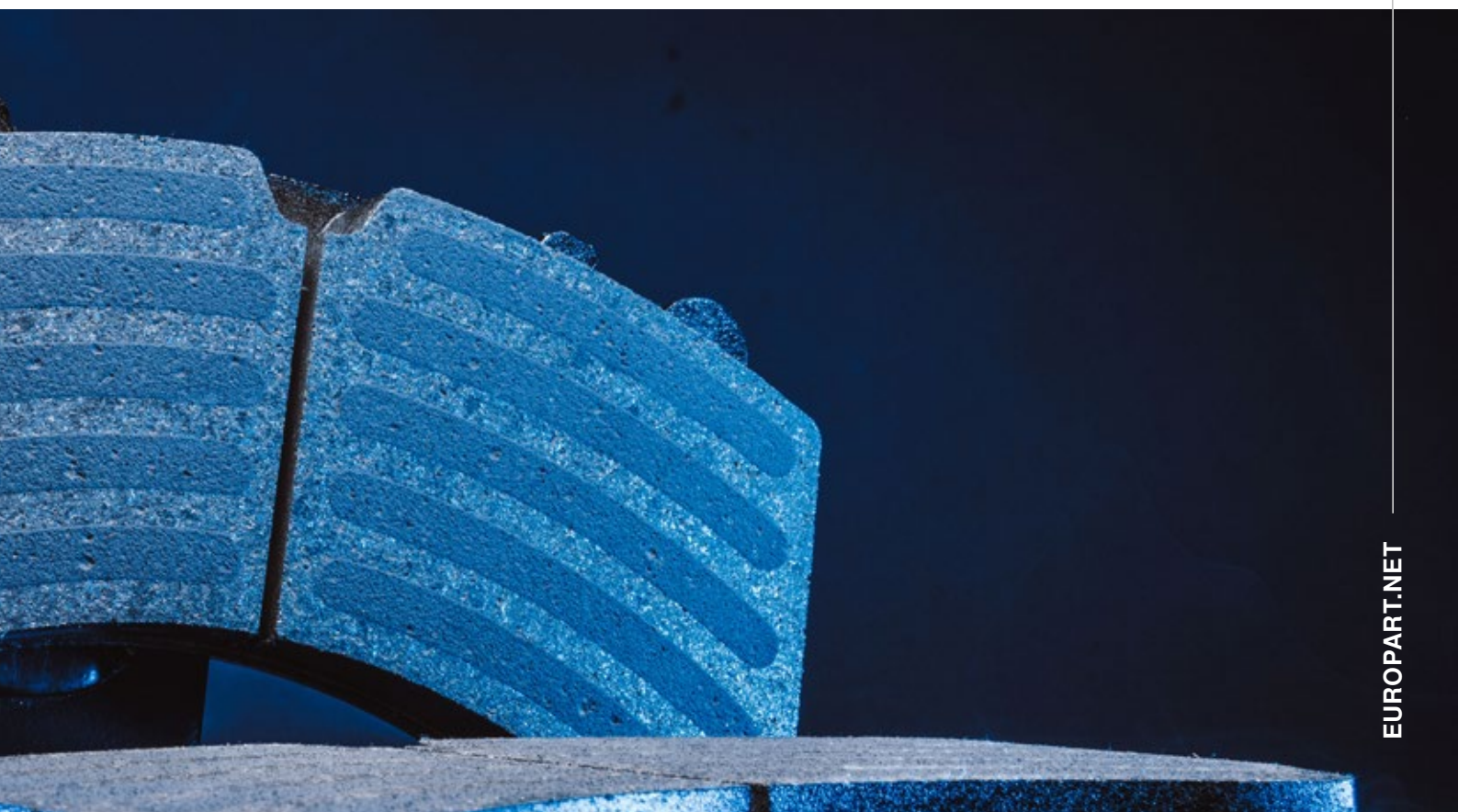
Green Coating is a special coating applied to the pad surface, consisting of silicates, which considerably shortens the braking phase of new brake pads.

This special coating on the friction material ensures a defined surface roughness, which improves the frictional contact with the brake disc. Due to the accelerated adhesion, the service life for the formation of the contact pattern is considerably reduced. A load-bearing friction contact is established from the very first braking process, resulting in a constant and optimised coefficient of friction in conjunction with the brake disc.

Furthermore, the „grinding-in“ of the friction partners is accelerated. This favours a uniform and optimum contact pattern of the brake pad. In the braking phase, the optimised

friction pairing noticeably stabilises the braking behaviour.

EUROPART Green Coating brake pads can be recognised by the visible stripes applied to the friction lining. The coating is applied using a screen printing process. Special templates ensure that the contour and positioning are maintained. Automatic drying ensures consistent quality.



SUITABLE FOR BPW
**EURO
PART**


Brake disc

This figure corresponds to 2040 370 002

tested and approved according to UN ECE R90 standard

Number of holes	Thickness	Outer \varnothing	Hole circle \varnothing	Height	Order no	Comparative no
10	45 mm	377 mm	335 mm	159,5 mm	2040 370 002	BPW 03.088.34.06.7
8	45 mm	377 mm	275 mm	159,5 mm	2040 370 003	BPW 03.088.34.01.7
8	45 mm	377 mm	275 mm	159,5 mm	2040 370 004	BPW 03.088.34.03.7
10	45 mm	377 mm	335 mm	169,5 mm	2040 370 006	BPW 03.088.34.08.7
10	45 mm	377 mm	335 mm	159,5 mm	2040 370 008	BPW 03.088.34.10.7
10	45 mm	377 mm	335 mm	160,0 mm	2040 370 017	BPW 03.088.34.04.7
10	45 mm	430 mm	335 mm	159,5 mm	2040 430 002	BPW 03.088.35.12.7

SUITABLE FOR SAF
**EURO
PART**


Brake disc

This figure corresponds to 2051 000 301

tested and approved according to UN ECE R90 standard

Number of holes	Thickness	Outer \varnothing	Hole circle \varnothing	Height	Order no	Comparative no
10	45 mm	430 mm	335 mm	160,0 mm	2051 000 301	SAF 04079000350
8	45 mm	377 mm	275 mm	157,0 mm	2051 000 401	SAF 04079000450
12	45 mm	430 mm	168 mm	130,0 mm	2051 000 501	SAF 4 079 0005 01
12	45 mm	375 mm	168 mm	139,5 mm	2051 000 700	SAF 04079000753

SUITABLE FOR SCHMITZ
**EURO
PART**

Brake disc

This figure corresponds to 2088 430 001

tested and approved according to UN ECE R90 standard

Number of holes	Thickness	Outer \varnothing	Hole circle \varnothing	Height	Order no	Comparative no
10	45 mm	430 mm	290 mm	168,5 mm	2088 430 001	Schmitz 1176816
10	45 mm	375 mm	335 mm	168,5 mm	1226 088 133	Schmitz 1088133

SUITABLE FOR SMB
**EURO
PART**


Brake disc

Number of holes	10
Thickness	45 mm
Outer \varnothing	430 mm
Hole circle \varnothing	335 mm
Height	155 mm

Tested and approved according to UN ECE R90 standard

Order no	Comparative no
9180 200 135	SMB M20013501

SUITABLE FOR MERITOR**Brake disc**

This figure corresponds to 7678 323 825

Tested and approved according to UN ECE R90 standard

Number of holes	Thickness	Outer \varnothing	Hole circle \varnothing	Height	Order no	Comparative no
10	45 mm	434 mm	250 mm	150 mm	7678 323 825	Meritor MBR9004
10	45 mm	378 mm	250 mm	150 mm	2076 378 002	Meritor MBR5073

SUITABLE FOR GIGANT**Brake disc**

Number of holes	10
Thickness	45 mm
Outer \varnothing	430 mm
Hole circle \varnothing	335 mm
Height	155 mm

Tested and approved according to UN ECE R90 standard

Order no	Comparative no
5209 267 086	Gigant 709267086

Technical quality features – Brake discs

- !!! Certified to IATF 16949 and homologated to UN ECE R90.
- !!! Use of high-quality grey cast iron
- !!! Temperature resistant up to 800 °C
- !!! Low susceptibility to cracking
- !!! Suitable for long service life
- !!! Balanced in the workshop for vibration-free running

SUITABLE FOR MERCEDES-BENZ



Brake disc

This figure corresponds to 3410 371 911

Tested and approved according to UN ECE R90 standard

Number of holes	Thickness	Outer \varnothing	Hole circle \varnothing	Height	Order no	Comparative no
10	45 mm	430 mm	235 mm	131,0 mm	3410 371 911	Mercedes-Benz 000 420 02 72
10	45 mm	432 mm	220 mm	135,0 mm	2069 432 001	Mercedes-Benz 627 421 00 12
8	34 mm	335 mm	177 mm	111,0 mm	2030 335 002	Mercedes-Benz 970 423 04 12
10	34 mm	335 mm	120 mm	102,5 mm	3410 304 181	Mercedes-Benz 970 421 06 12
10	45 mm	430 mm	238 mm	132,5 mm	3403 460 000	Mercedes-Benz 942 421 11 12
14	45 mm	377 mm	138 mm	134,0 mm	3410 306 760	Mercedes-Benz 975 421 05 12
10	45 mm	438 mm	235 mm	135,0 mm	2030 438 001	Mercedes-Benz 356 421 12 12
8	45 mm	377 mm	201 mm	138,5 mm	3410 306 770	Mercedes-Benz 975 423 06 12
10	22 mm	374 mm	108 mm	22,0 mm	1226 020 012	Mercedes-Benz 417 421 00 12
10	45 mm	430 mm	168 mm	143,5 mm	3403 460 001	Mercedes-Benz 943 421 04 12
10	45 mm	377 mm	238 mm	132,0 mm	2034 006 480	Mercedes-Benz 675 421 01 12
10	45 mm	430 mm	168 mm	131,0 mm	2030 430 241	Mercedes-Benz 960 421 03 12
6	30 mm	304 mm	140 mm	91,0 mm	2030 304 007	Mercedes-Benz 668 421 01 12
6	30 mm	324 mm	140 mm	91,0 mm	2030 324 003	Mercedes-Benz 668 421 02 12
6	30 mm	324 mm	192 mm	120,0 mm	9464 230 512	Mercedes-Benz 668 423 05 12
6	30 mm	303 mm	192 mm	120,5 mm	2030 304 027	Mercedes-Benz 668 423 04 12

SUITABLE FOR VOLVO



Brake disc

Number of holes 12
 Thickness 45 mm
 Outer \varnothing 375 mm
 Hole circle \varnothing 142 mm
 Height 119,5 mm

Tested and approved according to UN ECE R90 standard

Order no	Comparative no
1226 098 305	Volvo 20700509

SUITABLE FOR MAN



Brake disc

This figure corresponds to 2072 335 001

Tested and approved according to UN ECE R90 standard

Number of holes	Thickness	Outer \varnothing	Hole circle \varnothing	Height	Order no	Comparative no
10	34 mm	335 mm	122 mm	93,0 mm	2072 335 001	MAN 81.50803-0042
10	34 mm	330 mm	158 mm	104,0 mm	2072 324 001	MAN 81.50803-0026
10	34 mm	335 mm	176 mm	118,0 mm	2036 063 930	MAN 81.50803-0063
12	34 mm	330 mm	180 mm	124,0 mm	2072 330 001	MAN 81.50803-0061
10	30 mm	324 mm	158 mm	102,0 mm	2072 343 001	MAN 81.50803-0010
10	45 mm	377 mm	195 mm	128,0 mm	2072 377 001	MAN 81.50803-0057
12	45 mm	432 mm	168 mm	130,0 mm	2072 432 004	MAN 81.50803-0040
10	45 mm	432 mm	235 mm	135,0 mm	2072 432 005	MAN 81.50803-0041
10	45 mm	438 mm	235 mm	135,0 mm	2072 438 001	MAN 81.50803-0009
12	45 mm	377 mm	144 mm	110,5 mm	2072 377 002	MAN 81.50803-0044

SUITABLE FOR SCANIA



Brake disc

This figure corresponds to 2090 430 001

Tested and approved according to UN ECE R90 standard

Number of holes	Thickness	Outer \varnothing	Hole circle \varnothing	Height	Order no	Comparative no
10	45 mm	430 mm	337 mm	131,0 mm	2090 430 001	Scania 1889543
10	45 mm	430 mm	235 mm	131,0 mm	3410 371 911	Scania 1415147

SUITABLE FOR RENAULT


**EURO
PART**


Brake disc

This figure corresponds to 2087 330 001

Tested and approved according to UN ECE R90 standard

Number of holes	Thickness	Outer \varnothing	Hole circle \varnothing	Height	Order no	Comparative no
10	34 mm	330 mm	118 mm	80,5 mm	2087 330 001	Renault 5010525308
10	45 mm	434 mm	165 mm	96,5 mm	2087 434 001	Renault 5010422593
8	45 mm	375 mm	275 mm	166,5 mm	2087 375 228	Renault 5010525362
12	45 mm	375 mm	142 mm	119,5 mm	1226 098 305	Renault 5010598305
6	34 mm	330 mm	245 mm	137,5 mm	2087 330 220	Renault 5010422263



SUITABLE FOR DAF
**EURO
PART**


Brake disc

This figure corresponds to 2029 330 220

Tested and approved according to UN ECE R90 standard

Thickness	Outer \varnothing	Height	Order no	Comparative no
34 mm	330 mm	119 mm	2029 330 220	DAF 1408672
34 mm	330 mm	123 mm	2029 300 029	DAF 1408670

SUITABLE FOR IVECO
**EURO
PART**


Brake disc

This figure corresponds to 3410 376 540

Tested and approved according to UN ECE R90 standard

Number of holes	Thickness	Outer \varnothing	Hole circle \varnothing	Height	Order no	Comparative no
12	45 mm	436 mm	240 mm	138,0 mm	3410 376 540	Iveco 2996329
8	30 mm	322 mm	275 mm	134,0 mm	2066 322 232	Iveco 7187569
8	30 mm	322 mm	275 mm	134,0 mm	2066 304 002	Iveco 1907726
12	45 mm	432 mm	240 mm	154,5 mm	2066 432 001	Iveco 2996328
12	45 mm	436 mm	240 mm	138,5 mm	2066 436 001	Iveco 2996327
14	45 mm	377 mm	144 mm	107,0 mm	1226 096 708	Iveco 2996708
8	34 mm	330 mm	275 mm	141,0 mm	1226 097 450	Iveco 2997450
6	30 mm	304 mm	205 mm	128,5 mm	2066 304 001	Iveco 1907725

Common brake disc and brake pad faults

Scratched brake disc surface due to incorrect friction pairing

Cause:

Use of new pads on heavily worn or damaged brake discs or excessively aggressive friction material.

Consequences:

Uneven material removal, reduced braking performance, possible noise development.

Remedy:

- !!! Check pads and discs for compatibility.
- !!! Replace brake discs if they are heavily scored.
- !!! Use a high-quality, matched friction pairing.



Accelerated wear due to dirt or jammed brake callipers

Cause:

Penetration of abrasive particles (sand, mud) or delayed retraction of the caliper leads to frictional contact beyond the actual braking process.

Consequences:

Heavy wear on linings and discs, risk of damage or thermal overload.

Remedy:

- !!! Clean components thoroughly and maintain regularly.
- !!! Ensure mobility of the saddle.
- !!! Replace the friction pairing completely if necessary.



Contaminated coatings due to oils or chemicals

Cause:

Escaping lubricants or cleaning agents get onto the friction material.

Consequences:

Significantly reduced friction, longer braking distance, risk of one-sided pulling.

Remedy:

- !!! Eliminate leaks.
- !!! Replace linings immediately.
- !!! Check the discs and replace them if necessary.



Escaping metal particles in the friction material during heat stress

Cause:

Overheating due to strong braking processes with moist frictional contact causes precipitation of metallic components.

Consequences:

Grinding noises, possible damage to the brake disc, uneven braking effect.

Remedy:

- !!! Eliminate leaks.
- !!! Replace linings immediately.
- !!! Check the discs and replace them if necessary.



Uneven pad wear on the same axle

Cause:

One of the brake callipers is not retracting correctly, e.g. due to dirty or jammed guides.

Consequences:

Unbalanced braking behaviour, longer braking distance, risk of unstable driving behaviour.

Remedy:

- !!! Check both saddles and overhaul if necessary.
- !!! Replace the brake pads axle by axle.
- !!! Check brake discs for even wear.



Glazed linings due to understressed brake systems

Cause:

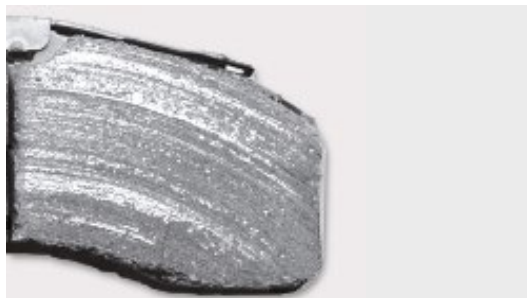
Frequent driving with low braking effect leads to smoothing and hardening of the friction surface.

Consequences:

Squealing, reduced braking effect, poor response behaviour.

Remedy:

- !!! Try vigorous braking for regeneration.
- !!! If not effective: Replace coverings.
- !!! Check brake discs for glaze marks



Cracking on brake disc surfaces

Cause:

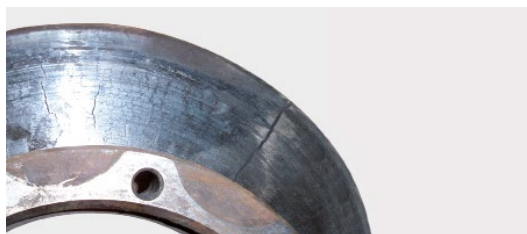
Permanent thermal overload during heavy braking, especially in heavy vehicles or in mountainous regions.

Consequences:

Risk of material detachment or disc breakage.

Remedy:

- !!! Replacement for cracks, especially radial ones.
- !!! Replace the linings as well.
- !!! Adjust braking behaviour, use retarder if necessary.



Chipped friction edges due to clamping in the saddle

Cause:

Dimensional deviations or corrosion lead to blockage of the pads in the saddle.

Consequences:

Irregular pad wear, possible exposure to heat and noise.

Remedy:

- !!! Use precisely fitting pads.
- !!! Check and clean the seat and guide of the saddle.
- !!! Replace the friction pairing completely.



Irregular pad wear due to incorrect resetting

Cause:

Blocked guide pins or pistons lead to asymmetrical brake pressure.

Consequences:

Increased wear on one side, pulling when braking.

Remedy:

- !!! Repair brake callipers.
- !!! Clean and lubricate guide elements.
- !!! Replace linings axle by axle.



Surface cracks or scratches due to thermal overload

Cause:

Overheating due to frequent heavy braking or incorrect choice of friction lining.

Consequences:

Cracking in the friction material, risk of material breakage.

Remedy:

- !!! Replace the pads.
- !!! Analyse the causes of overheating.
- !!! Use suitable friction materials.



Detachment of the friction material due to faulty structure or overheating

Cause:

Poor material quality or thermal load exceeding the load capacity limit.

Consequences:

Sudden loss of braking effect, noise development, accident risk.

Remedy:

- !!! Only use tested branded floor coverings.
- !!! Replace pads and discs if necessary.
- !!! Check thermal load and adjust braking strategy if necessary.



Blue discolouration and heat stripes on the brake disc

Cause:

Excessive thermal load due to long downhill braking or continuous braking without sufficient cooling.

Consequences:

Change in hardness and distortion of the friction surface, cracking possible.

Remedy:

- !!! Replace discs and pads completely.
- !!! Observe the running-in instructions after changing.
- !!! Avoid thermal overload through driving style.



Regular inspection of the brake system is very important. If the brake discs need to be replaced, it is advisable to replace the brake pads at the same time for safety reasons. It is important to always replace the brake discs axle by axle.

SUITABLE FOR BPW**Brake lining set**

This figure corresponds to 2119 032 108

Tested and approved according to UN ECE R90 standard

VVA no.	Lining width	Lining thickness	Brake drum \varnothing	Order no	Comparative no
19032	180 mm	18,80 mm	420 mm	2119 032 108	BPW 03.092.26.08.0
19902	200 mm	18,00 mm	360 mm	2119 902 008	BPW 03.092.19.54.0
19094	200 mm	17,50 mm	420 mm	2119 094 008	BPW 03.092.27.24.0
19032	180 mm	19,80 mm	420 mm	2119 032 208	BPW 03.092.26.05.0
19574	200 mm	19,00 mm	300 mm	2119 574 108	BPW 03.091.14.37.0
19573	150 mm	18,00 mm	300 mm	2119 573 008	BPW 03.092.13.44.0
19032	180 mm	17,50 mm	420 mm	2119 032 009	BPW 09.801.07.41.0
19574	200 mm	17,50 mm	300 mm	2119 574 009	BPW 03.092.14.45.0

SUITABLE FOR SAF**Brake lining set**

This figure corresponds to 2119 032 108

Tested and approved according to UN ECE R90 standard

VVA no.	Lining width	Lining thickness	Brake drum \varnothing	Order no	Comparative no
19032	180 mm	18,80 mm	420 mm	2119 032 108	SAF 1 057 0012 10
19283	180 mm	19,90 mm	420 mm	2119 283 008	SAF 3 057 0060 00
19515	200 mm	16,30 mm	300 mm	2119 515 008	SAF 3 057 3924 00
19094	200 mm	17,50 mm	420 mm	2119 094 008	SAF 3 057 0013 00
19477	203 mm	20,60 mm	420 mm	2119 477 008	SAF 1 057 0066 00

SUITABLE FOR MERITOR**Brake lining set**

This figure corresponds to 3002 410 621

Tested and approved according to UN ECE R90 standard

VVA no.	Lining width	Lining thickness	Brake drum \varnothing	Order no	Comparative no
19030	180 mm	22,20 mm	420 mm	3002 410 621	Meritor 21224717R
19369	220 mm	18,60 mm	420 mm	3002 410 566	Meritor 21200795N
19036	180 mm	18,60 mm	419 mm	2119 036 028	Meritor 21200790B

SUITABLE FOR MERCEDES-BENZ



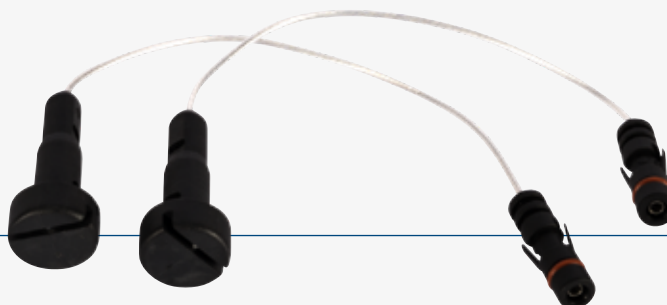
Brake lining set

This figure corresponds to 2119 486 008

Tested and approved according to UN ECE R90 standard

WVA no.	Lining width	Lining thickness	Brake drum \varnothing	Order no	Comparative no
19494	163 mm	17,00 mm	410 mm	2119 486 008	Mercedes-Benz 621 421 09 10 67
19495	183 mm	17,00 mm	410 mm	2119 487 008	Mercedes-Benz 346 423 64 10
19579, 19706	163 mm	18,00 mm	410 mm	2119 579 008	Mercedes-Benz 301 423 70 10
19496	223 mm	17,00 mm	410 mm	2119 488 008	Mercedes-Benz 305 423 03 10
19581, 19707	223 mm	18,00 mm	410 mm	2119 581 008	Mercedes-Benz 301 423 79 10
19496, 19488	223 mm	18,30 mm	410 mm	2119 488 108	Mercedes-Benz 617 423 31 11

SUITABLE FOR MERCEDES-BENZ



Warning contact set

Brake system SL 7
Length 195 mm

Order no	Suitable for MB comparative number
9333 067 702	Mercedes-Benz 677 540 07 17

SUITABLE FOR MAN



Brake lining set

This figure corresponds to 2119 486 008

Tested and approved according to UN ECE R90 standard

WVA no.	Lining width	Lining thickness	Brake drum \varnothing	Order no	Comparative no
19494	163 mm	17,00 mm	410 mm	2119 486 008	MAN 81.50221-0840
19495	183 mm	17,00 mm	410 mm	2119 487 008	MAN 81.50221-0850
19579, 19706	163 mm	18,00 mm	410 mm	2119 579 008	MAN 81.50221-0536
19496	223 mm	17,00 mm	410 mm	2119 488 008	MAN 81.50221-0865
19581, 19707	223 mm	18,00 mm	410 mm	2119 581 008	MAN 81.50221-0546
19496, 19488	223 mm	18,30 mm	410 mm	2119 488 108	MAN 81.50221-6156

SUITABLE FOR VOLVO**Brake lining set**

This figure corresponds to 2119 938 008

Tested and approved according to UN ECE R90 standard

WVA no.	Lining width	Lining thickness	Brake drum \varnothing	Order no	Comparative no
19090	175 mm	18,30 mm	410 mm	2119 938 008	Volvo 3095177
19071	200 mm	18,30 mm	410 mm	2119 939 008	Volvo 3095179
19938	175 mm	18,00 mm	410 mm	3002 410 457	Volvo 3095168

SUITABLE FOR SCANIA**Brake lining set**

This figure corresponds to 2119 931 008

Tested and approved according to UN ECE R90 standard

WVA no.	Lining width	Lining thickness	Brake drum \varnothing	Order no	Comparative no
19931	178 mm	19,00 mm	413 mm	2119 931 008	Scania 385948
19932	203 mm	19,00 mm	413 mm	2119 932 008	Scania 1109003
19933	254 mm	19,10 mm	413 mm	2119 933 008	Scania 1535250

SUITABLE FOR RENAULT**EURO PART**

Brake lining set

This figure corresponds to 2119 032 108

Tested and approved according to UN ECE R90 standard

WVA no.	Lining width	Lining thickness	Brake drum \varnothing	Order no	Comparative no
19032	180 mm	18,80 mm	420 mm	2119 032 108	Renault 5000823924
19094	200 mm	17,50 mm	420 mm	2119 094 008	Renault 5000814837

SUITABLE FOR DAF**EURO PART**

Brake lining set

This figure corresponds to 2119 032 108

Tested and approved according to UN ECE R90 standard

WVA no.	Lining width	Lining thickness	Brake drum \varnothing	Order no	Comparative no
19032	180 mm	18,80 mm	420 mm	2119 032 108	DAF 0878884
19094	200 mm	17,50 mm	420 mm	2119 094 008	DAF 0878885

You can find us
online here:



Why do brakes squeal? – Causes & solutions with EUROPART Premium Parts

If it squeaks, it's rarely due to the surface. Understanding causes, avoiding mistakes

Brakes are allowed to brake - but not to squeal.

If a squealing noise occurs in a truck disc brake, the lining is often suspected prematurely. However, practice shows that

Noise is almost always generated around the brake - not in the brake pad itself.

What many suspect - and what is really behind it

✗ Frequent assumption

Coating has poor quality

Covering is too hard or glazed

New component is the cause of the noise

Squeaking in wet conditions = bad surface

Only individual complaint = assembly defect

✓ Actual cause

Contact surfaces corroded or dirty

Guide bolt run-in or stiff

Brake calliper not serviced, play in the mechanics

Resonance due to loose components, disc imbalance

Combination with old or unsuitable disc

Green Coating: More safety, less noise

All EUROPART Premium Parts brake pads are equipped with a high-quality Green Coating surface – for

▮ Immediate braking effect from the first use

▮ Smooth braking phase - no jerking, no squeaking

▮ Avoidance of glazing at low temperatures

▮ Uniform friction coefficient development and smooth running

Green Coating is not just protection - it is a promise of quality.

Practical knowledge, recommendations & friction pairing

Typical causes of noise in everyday workshop life

Component	⇒ Possible source of error	⇒ Recommendation
Contact surfaces	⇒ Corrosion, burrs, dirt	⇒ Clean thoroughly, grease lightly
Guide bolt	⇒ Run-in, without lubrication	⇒ Check & replace if necessary with every maintenance
Brake caliper	⇒ Uneven movement, play	⇒ Check mechanics, overhaul if necessary
Brake disc	⇒ Scoring, rust, material fatigue	⇒ Always replace the disc in the event of irregularities
Assembly	⇒ Mixture of new & old parts	⇒ Only fit the pad and disc in a matched set

Perfectly matched:
Our friction pairing from a
single source
Coating and disc –
developed together.
Tested together.



The combination of EUROPART Premium Parts brake pads with Green Coating and the corresponding Premium Parts brake discs ensures:

- !!! Maximale braking performance - even under extreme loads
- !!! Smooth running without noise
- !!! Optimum adaptation during the braking phase
- !!! Even wear - longer service life of both components

Do not rely on random combinations. Rely on the tested friction pairing from EUROPART Premium Parts - for more safety and fewer complaints.

Our conclusion:

If it squeaks, it is almost never the pad. Our experience with thousands of installed EUROPART Premium Parts brake pads and brake discs shows: The cause is almost always in the brake environment. If you rely on our customised friction pairing, you not only reduce noise - you also increase the service life and safety of the entire brake system.

„A squeaking brake pad is rarely really defective - but it quickly leads to complaints. Our experience from the workshop, field service and technical support shows: In most cases, the causes are not in the pad, but in the surrounding area - for example in the guides, brake callipers or unsuitable discs.

This is exactly where we come in with our EUROPART Premium Parts brake pads with Green Coating: They are technically well thought-out, robust in everyday use and ensure reliable braking performance from the very first metre - without starting weakness, without annoying noises. If you take the time to carry out a thorough analysis, you will find the cause - and save complaints, time and discussions. A clear benefit for the workshop, driver and customer.“

Tino Candido
Technical Expert Brakes, Axles and Chassis

SUITABLE FOR BPW**EURO
PART****Brake drum**

This figure corresponds to 2040 302 011

Hole circle \varnothing	Hub \varnothing	Inner \varnothing	Brake path	Height	Hole pattern	Order no	Comparative no
225 mm	190 mm	300 mm	209 mm	260 mm	10 x 23 mm	2040 302 011	BPW 03.109.46.49.0
225 mm	190 mm	300 mm	209 mm	260 mm	10 x 23 mm	2040 302 014	BPW 03.109.46.07.0
225 mm	190 mm	360 mm	209 mm	263 mm	10 x 23 mm	2040 362 001	BPW 03.109.90.24.0
275 mm	230 mm	360 mm	209 mm	263 mm	8 x 23 mm	2040 362 002	BPW 03.109.90.22.0
275 mm	230 mm	360 mm	207 mm	259 mm	8 x 23 mm	2040 362 003	BPW 03.109.90.03.0
335 mm	290 mm	420 mm	193 mm	246 mm	10 x 23 mm	2040 421 808	BPW 03.106.67.12.0
335 mm	290 mm	420 mm	192 mm	253 mm	10 x 23 mm	2040 421 809	BPW 03.109.67.74.0
335 mm	290 mm	420 mm	191 mm	226 mm	10 x 23 mm	2040 421 813	BPW 03.109.67.13.0
335 mm	290 mm	420 mm	199 mm	226 mm	10 x 23 mm	2040 421 814	BPW 03.109.67.93.0
335 mm	290 mm	420 mm	214 mm	259 mm	10 x 23 mm	2040 421 815	BPW 03.109.77.56.0
335 mm	290 mm	420 mm	217 mm	287 mm	10 x 23 mm	2040 422 019	BPW 03.109.77.44.0
335 mm	290 mm	420 mm	210 mm	260 mm	10 x 23 mm	2040 422 024	BPW 03.109.77.16.0

SUITABLE FOR SAF**EURO
PART****Brake drum**

This figure corresponds to 2051 010 801

Hole circle \varnothing	Hub \varnothing	Inner \varnothing	Brake path	Height	Hole pattern	Order no	Comparative no
335 mm	290 mm	420 mm	212 mm	256 mm	10 x 23 mm	2051 010 801	SAF 1 064 0108 01
225 mm	190 mm	300 mm	210 mm	280 mm	10 x 23 mm	2051 019 700	SAF 1 064 0197 00
335 mm	290 mm	420 mm	192 mm	227 mm	10 x 23 mm	2051 023 600	SAF 1 064 0236 01
335 mm	300 mm	420 mm	196 mm	227 mm	10 x 23 mm	2051 026 001	SAF 1 064 0260 02
335 mm	300 mm	420 mm	217 mm	255 mm	10 x 23 mm	2051 027 000	SAF 1 064 0270 00
225 mm	190 mm	300 mm	213 mm	280 mm	10 x 23 mm	2051 027 300	SAF 1 064 0273 00
275 mm	240 mm	367 mm	210 mm	260 mm	8 x 23 mm	2051 027 700	SAF 1 064 0277 00

SUITABLE FOR SMB



Brake drum

Hole circle \varnothing 335 mm
 Hub \varnothing 288 mm
 Inner \varnothing 419 mm
 Brake path 212 mm
 Height 256 mm
 Hole pattern 10 x 26,5 mm



(Illustration similar)

Order no

9180 003 717

Comparative no

SMB M003176

SUITABLE FOR FRUEHAUF



Brake drum

Hole circle \varnothing 335 mm
 Hub \varnothing 288 mm
 Inner \varnothing 419 mm
 Brake path 190 mm
 Height 228 mm
 Hole pattern 10 x 26/2 x M16/22 mm



Order no

2046 419 001

Comparative no

Fruehauf 32313

SUITABLE FOR MERITOR



Brake drum

This figure corresponds to 2076 419 004

Hole circle \varnothing	Hub \varnothing	Inner \varnothing	Brake path	Height	Hole pattern	Order no	Comparative no
225 mm	183 mm	311 mm	207 mm	261 mm	10 x 24,5 mm	2076 310 002	Meritor 21209723S
225 mm	183 mm	351 mm	218 mm	263 mm	10 x 24 mm	2076 350 001	Meritor 21211030S
335 mm	283 mm	419 mm	230 mm	272 mm	10 x 24,5 mm	2076 419 001	Meritor 21021114AV
335 mm	283 mm	419 mm	192 mm	238 mm	10 x 24/2 x M12/2 x 14/90° mm	2076 419 004	Meritor 21220183V
335 mm	283 mm	419 mm	204 mm	248 mm	10 x 24,4 mm	2076 420 001	Meritor 21018986V
335 mm	288 mm	419 mm	190 mm	228 mm	10 x 26/2 x M16/22 mm	2046 419 001	Meritor MBD1000
335 mm	282 mm	410 mm	230 mm	276 mm	10 x 23/2 x 14/20 mm	2054 410 001	Meritor MBD1130

SUITABLE FOR MERCEDES-BENZ



Brake drum

This figure corresponds to 2030 364 002

Hole circle \varnothing	Hub \varnothing	Inner \varnothing	Brake path	Height	Hole pattern	Order no	Comparative no
275 mm	238 mm	364 mm	170 mm	210 mm	8 x 21/3 x M12 x 1,5 mm	2030 364 002	Mercedes-Benz 677 421 05 01
335 mm	298 mm	410 mm	191 mm	237 mm	10 x 23/3 x M12 x 1,5 mm	2030 410 039	Mercedes-Benz 658 421 00 01
335 mm	298 mm	410 mm	192 mm	260 mm	10 x 23/3 x M12 x 1,5/5 x 24 mm	2030 410 049	Mercedes-Benz 387 421 02 01
335 mm	298 mm	410 mm	167 mm	213 mm	10 x 23/3 x M12 x 1,5/2 x 13/22 mm	2030 410 518	Mercedes-Benz 305 421 04 01
335 mm	298 mm	410 mm	240 mm	306 mm	10 x 23/5 x 24/3 x M12 x 1,5 mm	2030 410 034	Mercedes-Benz 305 423 04 01
335 mm	298 mm	410 mm	192 mm	280 mm	10 x 23/3 x M12 x 1,5/5 x 24 mm	2030 410 526	Mercedes-Benz 346 423 05 01
335 mm	298 mm	410 mm	237 mm	306 mm	10 x 24/5 x 24/3 x M12 x 1,5 mm	2030 410 040	Mercedes-Benz 305 423 07 01

SUITABLE FOR MAN/NEOPLAN



Brake drum

This figure corresponds to 2030 410 508

Hole circle \varnothing	Hub \varnothing	Inner \varnothing	Brake path	Height	Hole pattern	Order no	Comparative no
335 mm	298 mm	410 mm	234 mm	300 mm	10 x 23/5 x 24/3 x M12 x 1,5 mm	2030 410 508	MAN 81.50110-0244
275 mm	230 mm	360 mm	189 mm	247 mm	8 x 22/3 x M12 x 1,5 mm	2072 360 005	MAN 81.50110-0237
335 mm	298 mm	410 mm	192 mm	280 mm	10 x 23/5 x 24/3 x M12 x 1,5 mm	2072 410 002	MAN 81.50110-0101
335 mm	298 mm	410 mm	172 mm	250 mm	10 x 23/3 x M12 x 1,5/5 x 24 mm	2072 410 016	MAN 81.50110-0213
335 mm	282 mm	410 mm	230 mm	276 mm	10 x 23/2 x 14/20 mm	2054 410 001	Neoplan 3316.4098

SUITABLE FOR VOLVO



Brake drum

This figure corresponds to 2009 410 002

Hole circle \varnothing	Hub \varnothing	Inner \varnothing	Brake path	Height	Hole pattern	Order no	Comparative no
335 mm	282 mm	410 mm	215 mm	295 mm	10 x 28/2 x M20/2 x 26/2 x 14/90° mm	2009 410 001	Volvo 1599011
335 mm	282 mm	410 mm	195 mm	261 mm	10 x 28/2 x M20/2 x 14/90° mm	2009 410 002	Volvo 1599009
335 mm	282 mm	410 mm	231 mm	307 mm	10 x 28/2 x M20/2 x 14/90° mm	2009 410 003	Volvo 3171748
335 mm	282 mm	410 mm	218 mm	294 mm	10 x 28/2 x M20/2 x 18/90° mm	2009 410 016	Volvo 3171747
335 mm	282 mm	410 mm	199 mm	261 mm	10 x 28/2 x M20/2 x 18/90° mm	2009 410 018	Volvo 3171744

SUITABLE FOR SCANIA



Brake drum

This figure corresponds to 2090 413 014

Hole circle \varnothing	Hub \varnothing	Inner \varnothing	Brake path	Height	Hole pattern	Order no	Comparative no
335 mm	295 mm	413 mm	266 mm	320,0 mm	10 x 23,5/3 x M12 mm	2090 413 014	Scania 360573
335 mm	295 mm	413 mm	189 mm	263,0 mm	10 x 23,5/3 x M12 mm	2090 413 032	Scania 1414152
335 mm	295 mm	413 mm	213 mm	275,5 mm	10 x 23,5/3 x M12/2 x 9/23 mm	2090 413 033	Scania 2378715

SUITABLE FOR RENAULT**EURO
PART** **Brake drum**

Hole circle \varnothing 335 mm
 Hub \varnothing 281 mm
 Inner \varnothing 414 mm
 Brake path 232 mm
 Height 278 mm
 Hole pattern 10 x 25/2 x M14/2 x 13/22 mm

**Order no**

2087 414 012

Comparative no

Renault 5010098949

SUITABLE FOR IVECO**EURO
PART** **Brake drum**

Hole circle \varnothing 335 mm
 Hub \varnothing 285 mm
 Inner \varnothing 410 mm
 Brake path 207 mm
 Height 283 mm
 Hole pattern 10 x 23/2 x M12/2 x 11/90° mm

**Order no**

2066 410 003

Comparative no

Iveco 42118427

SUITABLE FOR DAF**EURO
PART** **Brake drum**

Hole circle \varnothing 335 mm
 Hub \varnothing 285 mm
 Inner \varnothing 420 mm
 Brake path 216 mm
 Height 288 mm
 Hole pattern 10 x 24/2 x M12/2 x 14/30° mm

**Order no**

2029 420 010

Comparative no

DAF 754397

Helping people to help themselves: Wear patterns provide information – recognise, evaluate, rectify!

Poor contact pattern - causes, consequences, measures

Main reasons:

- !!! Drum radius is larger than the brake lining radius
- !!! Coverings did not have sufficient running-in time
- !!! Irregular or advanced drum wear

Possible consequences:

- !!! Uneven wear across the axle → Vehicle can pull to one side when braking
- !!! Reduced braking power
- !!! Brake noises (e.g. rubbing, squealing) due to uneven contact



Main reasons:

- !!! Brake lining radius is larger than the drum radius
- !!! Brake pads run-in time too short

Possible consequences:

- !!! Vehicle pulls to one side when braking
- !!! Possible brake noises (squealing, rubbing)
- !!! Poor braking performance



Main reasons:

- !!! Brake pads run-in time too short
- !!! Drum wear

Possible consequences:

- !!! Either reduced or excessive braking power; in the latter case, there is a risk of the brake shoes getting stuck
- !!! Uneven wear pattern across the axle can lead to lateral pull of the vehicle and brake noise



Steps in the flooring surface

Main reasons:

- !!! Possible step on the surface of the brake drum
- !!! General drum wear

Possible consequences:

- !!! Accelerated brake pad wear
- !!! Uneven wear pattern across the axle can lead to lateral pull of the vehicle and lead to brake noise



Grooved lining surfaces

Main reasons:

- !!! Poor condition of the brake drum, e.g. heat cracks

Possible consequences:

- !!! Accelerated wear of the covering
- !!! Incomplete contact surface („stretcher“) leads to reduced braking performance



Longitudinal grooves in the covering

Main reasons:

- !!! Poor drum condition
- !!! Improper processing (e.g. wire brush, grinder)

Possible consequences:

- !!! Vehicle pulls to one side if the wear pattern on the axle is uneven
- !!! Braking noise and reduced braking effect



Grooves in the flooring surface

Main reasons:

- !!! Small foreign bodies (e.g. rust particles, dust) in the brake system
- !!! Drum not sufficiently cleaned during replacement

Possible consequences:

- !!! Heavy wear on lining and drum
- !!! Braking noise



Deep, irregular longitudinal grooves

Main reasons:

- !!! Large foreign objects in the brake (e.g. metal shavings)
- !!! Extremely poor condition or insufficient maintenance of the drum

Possible consequences:

- !!! Very high wear of lining and drum
- !!! Distinct braking noises



Diagonal wear of the lining

Main reasons:

- !!! Incorrect alignment of the brake shoes on the carrier
- !!! Deformed brake shoe or drum

Possible consequences:

- !!! Risk of the shoe getting stuck at higher braking forces
- !!! Side pull and noise development during braking



Uneven lining surface

Main reasons:

- !!! Incorrectly adjusted or worn wheel bearing

Possible consequences:

- !!! Excessive wear of lagging and drum
- !!! Braking noise



Cracks on rivet holes

Main reasons:

- !!! Riveting force too high
- !!! Unsuitable rivet shape
- !!! Radius deviation between pad and jaw
- !!! Dirty or uneven bearing block of the brake shoe
- !!! Incorrect riveting sequence (e.g. not from the inside to the outside)

Possible consequences:

- !!! Breakage of lagging or drum
- !!! Brake overheating
- !!! Noise development



Oily lining surface

Main reasons:

- !!! Leaking or incorrectly fitted hub seal
- !!! Excessive lubrication of the bearings in the brake mechanism

Possible consequences:

- !!! Vehicle pulls to one side if only one side is affected
- !!! Significantly reduced braking power



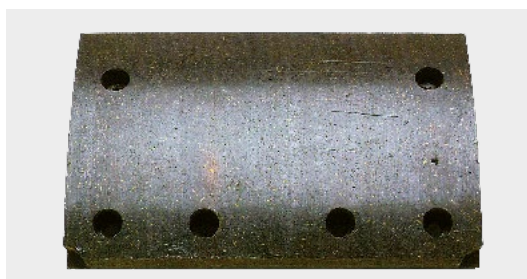
Heat cracks in the flooring surface

Main reasons:

- !!! Excessive thermal load on the brake (e.g. downhill gradient, overloading)
- !!! Rapid rise in temperature without sufficient heat dissipation

Possible consequences:

- !!! No influence on braking function with crack depth of less than 1 mm
- !!! Cracks wear out under normal driving conditions



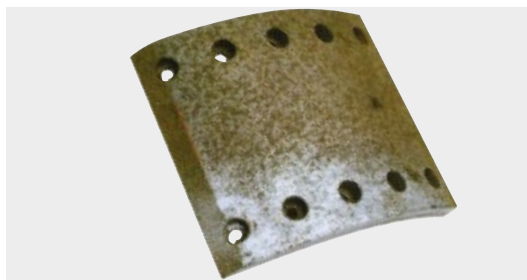
Dirt on the flooring surface

Main reasons:

- !!! Contamination in the brake system (e.g. sand, rust, particles)
- !!! Lack of maintenance or cleaning
- !!! Missing or damaged cover plate

Possible consequences:

- !!! High wear of lagging and drum
- !!! Reduced braking effect
- !!! Side pull and possibly noticeable braking noises



SUITABLE FOR MERCEDES-BENZ



Brake pad set

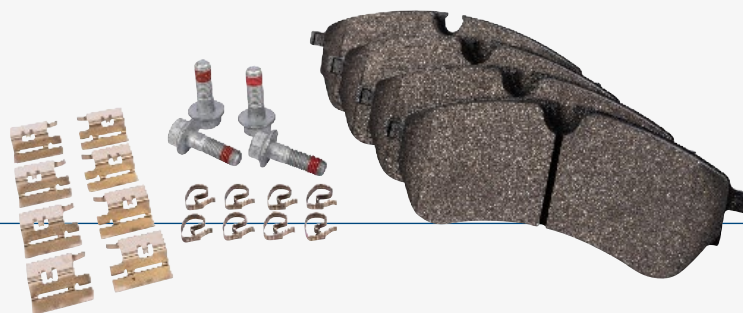
Scope of supply
with accessories

Tested and approved according to UN ECE R90 standard

This figure corresponds to 2129 070 300

Brake system	WVA no.	Coating length	Lining width	Lining thickness	Order no	Comparative no
Brembo	29200	169,3 mm	74,0 mm	20,80 mm	2129 070 300	Mercedes-Benz 004 420 82 20
Bosch	29190	136,9 mm	63,0 mm	19,80 mm	2129 070 310	Mercedes-Benz 906 420 01 00
Bosch	29217	164,9 mm	78,0 mm	20,50 mm	2129 170 730	Mercedes-Benz 004 420 81 20
ATE	21576, 21577	156,0 mm	65,0 mm	20,70 mm	2129 607 031	Mercedes-Benz 002 420 99 20
Bosch	24008	101,8 mm	50,2 mm	18,30 mm	2400 800 703	Mercedes-Benz 001 421 10 10
Brembo	29192	163,3 mm	67,1 mm	20,90 mm	2919 200 703	Mercedes-Benz 004 420 83 20
ATE	21592, 21593	156,3 mm	54,8 mm	18,30 mm	2159 200 705	Mercedes-Benz 002 420 60 20
Brembo	22101	118,4 mm	46,2 mm	18,40 mm	9500 221 010	Mercedes-Benz 447 420 01 20 28
Brembo	20747	55,2 mm	148,9 mm	19,90 mm	2129 208 600	Mercedes-Benz 910 423 56 00

SUITABLE FOR MAN



Brake pad set

Scope of supply
with accessories

Tested and approved according to UN ECE R90 standard

This figure corresponds to 2129 206 000

Brake system	WVA no.	Coating length	Lining width	Lining thickness	Order no	Comparative no
Bosch	22147	136,8 mm	67,3 mm	21,00 mm	2129 206 000	MAN 65.50820-6000
Bosch	22802	141,5 mm	64,9 mm	19,00 mm	2129 206 002	MAN 65.50820-6005

SUITABLE FOR IVECO



Brake pad set

Scope of supply
with accessories

Tested and approved according to UN ECE R90 standard

This figure corresponds to 2129 007 030

Brake system	WVA no.	Coating length	Lining width	Lining thickness	Order no	Comparative no
Brembo	29229	163,3 mm	67,0 mm	20,80 mm	2129 007 030	Iveco 500055563
Brembo	29231	184,2 mm	64,0 mm	22,80 mm	2129 317 030	Iveco 42555633
Brembo	29232	141,3 mm	72,7 mm	21,00 mm	2110 070 300	Iveco 42555917
Brembo	29160	164,5 mm	67,8 mm	19,90 mm	2110 070 302	Iveco 2995632
Brembo	29123	63,8 mm	109,9 mm	20,30 mm	2129 991 667	Iveco 42561102

SUITABLE FOR FORD




Brake pad set

Scope of supply
with accessories

Tested and approved according to UN ECE R90 standard

This figure corresponds to 2129 607 021

Brake system	WVA no.	Coating length	Lining width	Lining thickness	Order no	Comparative no
Bosch	24486	122,9 mm	54,0 mm	17,00 mm	2129 607 021	Ford 1852717
Bosch	24484	164,7 mm	66,7 mm	18,90 mm	2110 070 310	Ford 1721087
Bosch	25602	171,7 mm	69,3 mm	17,00 mm	2110 070 301	Ford 2391870
Bosch	24485	164,7 mm	65,4 mm	18,80 mm	2129 244 007	Ford 1721086
Bosch	25604	138,2 mm	60,8 mm	17,80 mm	2129 763 916	Ford 1840037

SUITABLE FOR VW




Brake pad set

Scope of supply
with accessories

Tested and approved according to UN ECE R90 standard

This figure corresponds to 2129 076 008

Brake system	WVA no.	Coating length	Lining width	Lining thickness	Order no	Comparative no
Perrot	29076	164,7 mm	72,8 mm	20,00 mm	2129 076 008	VW 2D0 698 151 B
Brembo	29200	169,3 mm	74,0 mm	20,80 mm	2129 070 300	VW 2E0 698 151 H
Bosch	29190	136,9 mm	63,0 mm	19,80 mm	2129 070 310	VW 2E0 698 451 H
Bosch	29217	164,9 mm	78,0 mm	20,50 mm	2129 170 730	VW 2E0 698 451 G
ATE	21576, 21577	156,0 mm	65,0 mm	20,70 mm	2129 607 031	VW 2D0 698 151
Brembo	29192	163,3 mm	67,1 mm	20,90 mm	2919 200 703	VW 2E0 698 151 H
ATE	21592, 21593	156,3 mm	54,8 mm	18,30 mm	2159 200 705	VW 2D0 698 451
TRW	23326	116,0 mm	59,0 mm	17,50 mm	2129 807 021	VW 7H0 698 451 C
ATE	23746, 23747, 23749	156,0 mm	73,3 mm	20,10 mm	2374 610 703	VW 7H0 698 151 E
Bosch	24484	164,7 mm	66,7 mm	18,90 mm	2110 070 310	VW 2H0 698 151 A
TRW	23224	94,8 mm	51,5 mm	15,70 mm	2129 232 240	VW 7D0 698 451 J
TRW	23224	94,8 mm	51,5 mm	15,70 mm	2129 234 460	VW 7M3 698 451 F

SUITABLE FOR MERCEDES-BENZ



Brake disc

This figure corresponds to 2030 272 001

Tested and approved according to UN ECE R90 standard

Number of holes	Thickness	Outer \varnothing	Hole circle \varnothing	Height	Order no	Comparative no
5	16 mm	272 mm	130 mm	95,5 mm	2030 272 001	Mercedes-Benz 902 423 07 12 07
5	22 mm	276 mm	130 mm	77,0 mm	2030 276 001	Mercedes-Benz 902 421 06 12 64
6	22 mm	285 mm	145 mm	93,0 mm	3500 009 766	Mercedes-Benz 904 423 03 12
5	10 mm	296 mm	112 mm	53,0 mm	2030 296 158	Mercedes-Benz 639 423 01 12
6	16 mm	298 mm	130 mm	71,4 mm	2030 298 168	Mercedes-Benz 910 423 00 00 07
6	28 mm	300 mm	130 mm	68,4 mm	2030 300 421	Mercedes-Benz 906 421 01 12

SUITABLE FOR IVECO



Brake disc

This figure corresponds to 2066 300 207

tested and approved according to UN ECE R90 standard

Number of holes	Thickness	Outer \varnothing	Hole circle \varnothing	Height	Order no	Comparative no
6	28 mm	300,0 mm	125 mm	74,5 mm	2066 300 207	Iveco 2996131
8	22 mm	289,0 mm	108 mm	84,5 mm	2040 010 633	Iveco 46393183
6	22 mm	290,0 mm	95 mm	110,5 mm	2040 010 792	Iveco 504079365
6	22 mm	290,0 mm	95 mm	110,5 mm	2040 011 267	Iveco 93821918
6	28 mm	306,0 mm	215 mm	132,0 mm	2040 033 779	Iveco 7186848
9	28 mm	290,0 mm	95 mm	46,0 mm	2040 034 862	Iveco 504121612
8	24 mm	294,0 mm	108 mm	87,5 mm	2066 300 076	Iveco 7186485
9	30 mm	300,8 mm	111 mm	59,0 mm	1260 020 983	Iveco 2996122

SUITABLE FOR CITROËN**EURO PART** 

Brake disc

This figure corresponds to 1260 001 743

Tested and approved according to UN ECE R90 standard

Number of holes	Outer \varnothing	Hole circle \varnothing	Height	Order no	Comparative no
5	280,0 mm	118 mm	82 mm	1260 001 743	Citroën 16 078 804 80
5	279,7 mm	118 mm	69,6 mm	1260 020 657	Citroën 16 078 721 80
5	280,0 mm	118 mm	65,5 mm	1260 020 651	Citroën 16 078 720 80

SUITABLE FOR VW**EURO PART** 

Brake disc

Tested and approved according to UN ECE R90 standard

Number of holes	Thickness	Outer \varnothing	Hole circle \varnothing	Height	Order no	Comparative no
5	16 mm	272 mm	130 mm	95,5 mm	2030 272 001	VW 2D0 615 601 A
5	22 mm	276 mm	130 mm	77,0 mm	2030 276 001	VW 2D0 615 301 D
6	22 mm	285 mm	145 mm	93,0 mm	3500 009 766	VW 2D0 615 601 E
6	16 mm	298 mm	130 mm	71,4 mm	2030 298 168	VW 2E0 615 601 A
6	28 mm	300 mm	130 mm	68,4 mm	2030 300 421	VW 2E0 615 301
5	29,3 mm	308 mm	120 mm	55,5 mm	2052 308 201	VW 7E0 615 301 D
5	22 mm	294 mm	120 mm	44,2 mm	1260 020 167	VW 7E0 615 601 D

VEHICLE PARTS

▄▄▄ Truck spare parts

▄▄▄ Trailer spare parts

▄▄▄ Light commercial spare parts

▄▄▄ Bus spare parts

WORKSHOP REQUIREMENTS

▄▄▄ Fastening technology

▄▄▄ Workshop utilities

▄▄▄ Workshop Equipment

▄▄▄ Operational safety and environmental protection

▄▄▄ Chemical-technical products

▄▄▄ Tools

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