

*More than 1 Million
ProVia parts*



are on the road now!

ProVia™

**PRODUCT
CATALOG**



Dear ProVia Customer,

I'm very pleased that you have in your hands a copy of the all-new ProVia catalog, 2020 edition.

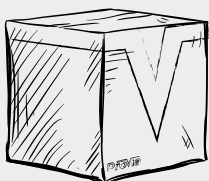
When ProVia launched in 2016, the five product groups on offer barely required a catalog. Four years into our journey, however, this is a substantial guide, featuring 30 product groups and around 300 commercial vehicle products with more 2000 OE applications.

2019 was a special year for ProVia. Our one-millionth part was installed on a vehicle, we relaunched an improved website, and released our first mobile phone App. We are committed to further expanding our product range, and we hope and expect 2020 to be another big year.

We can make these plans because of the great faith and loyalty our customers have demonstrated over the last five years in backing our brand. ProVia has filled a market need for a reliable, economical aftermarket range backed with a guarantee of quality from a trusted name. We fully intend to build our offering on that foundation – and we understand that listening to our customers is a vital part of our business. We'll be working hard in 2020 to make communication easier, and to make our various sources of information more interactive with greater accessibility. Our digital communications and portals are going from strength-to-strength – but there's still a place for a physical catalog like this one.

Within these pages, you'll see details of our most recent launches – marked as NEW – and also information on the products we will roll-out in the next quarter. I hope you find our catalog informative, and I trust these products will be useful to your customers in 2020.

Krzysztof Bielec
ProVia Business Line Leader



ProVia is a commercial vehicle budget spare parts brand that delivers reliable performance, with no frills, yet no compromise on quality or safety for trucks, buses, and trailers.

ProVia is available to distributors, workshops and fleet operators serving the commercial vehicle industry worldwide.

For more information, visit www.provia-auto.com



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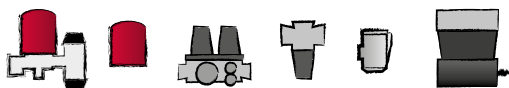
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ProVia



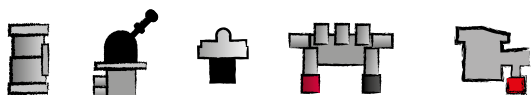
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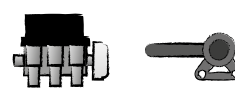
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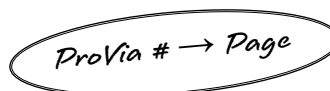
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“ProVia comes from a good family”

WABCO

The OE Choice



Original Parts
OE Certified Premium Quality

WABCO REMAN SOLUTIONS

Restored to
Original Performance

ECO LOGICAL
NOMICAL



Remanufactured Parts
Economic OE Quality

ProVia™

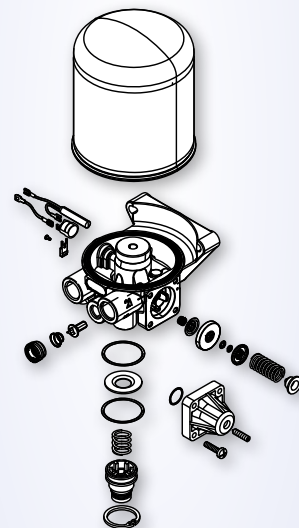
Reliable Spare Parts



Budget Parts
Designed for the Aftermarket

WABCO

Enabling
Quality Repairs



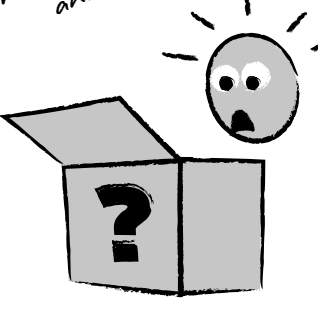
Repair Kits
OE Quality Components



*Introducing ProVia, the smart and reliable alternative
for budget spare parts*

ProVia™

ProVia is the smart budget alternative

	WABCO family		Average Low Cost Competitor
	WABCO 	ProVia 	
Product			
Product Range	Premium range of innovative, high technology, OE certified spare parts. Complete range of perfect fit, OE certified, original parts.	Budget, no frills spare parts range with no compromise on safety and constant availability . Range with a reduced number of parts, fit to repair a large number of OE references.	Low cost spare parts.
Safety			
Lifetime			
Price			
Certification			
Services			
Logistics network	WABCO premium ordering system, allowing quick and efficient order processing and delivery		<i>Don't compromise on safety and reliability!</i> 
Ordering quantities	On part level	Convenient batch sizes	
Claims handling	Convenient online claims handling / the WABCO service network	Convenient online	
Technical (field) support	Quick & easily accessible support	Limited support	
Warranty	2 years	1 year	
Repair Kits	Full range	Limited	

No compromise on safety ✓
 Reliable performance ✓
 Competitive price ✓

ProVia

Opportunity!!

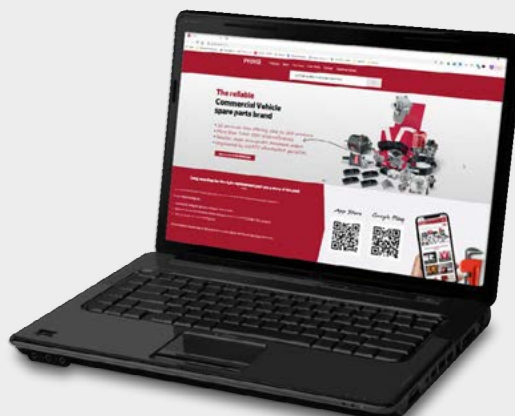
ProVia™

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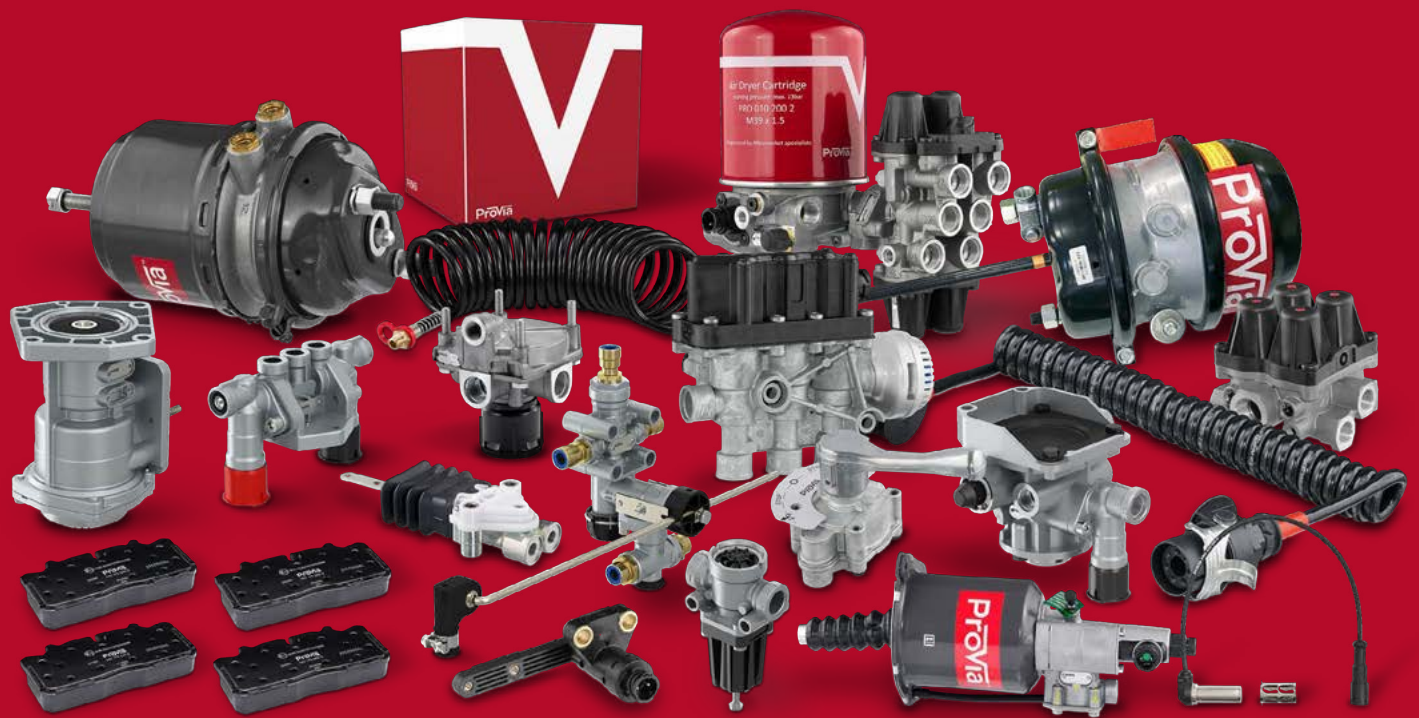
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and go digital!*

ProVia™

ProVia Products



ProVia™

Air Dryer

Air dryers are installed between the air compressor and the reservoir on commercial trucks and buses. They are designed to filter out humid air and other contaminants before they are able to reach the vehicle's downstream pneumatic systems. The ProVia air dryer, in combination with the ProVia cartridge, is the first line of protection to a vehicle's air compression system.

About

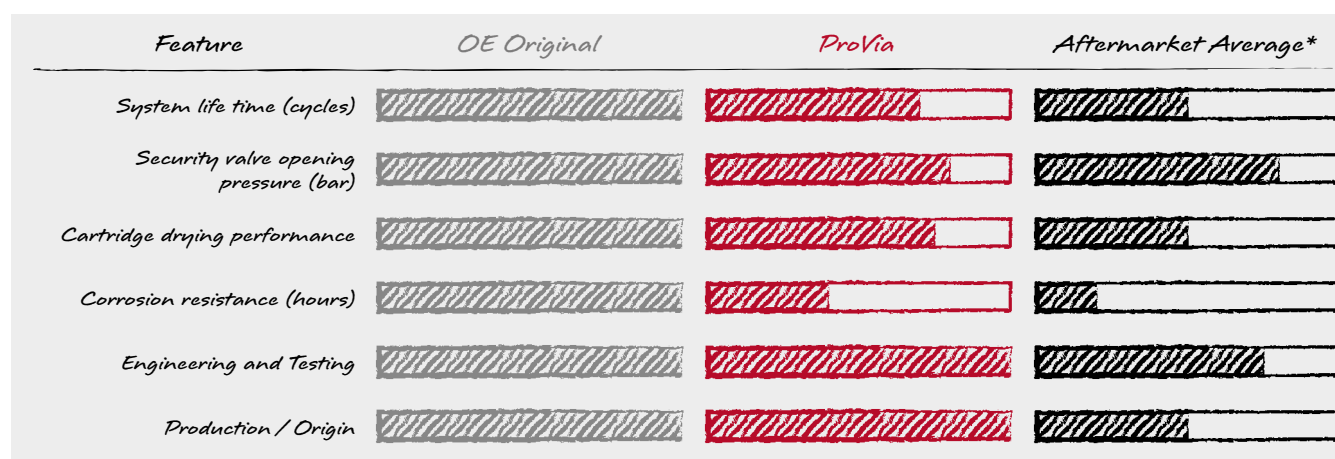
- Universal design which covers multiple OE applications
- Produced in Europe for global market needs

Key Features

- High quality cartridge delivering outstanding drying performance in the field
- Long durability in the system life cycle
- Installed with a ProVia cartridge (M39×1.5 right-hand thread, easy assembly and disassembly)
- High corrosion resistance thanks to surface protection
- Separate ProVia heater available as an option

Standards & Quality

- Working pressure: 13 bar



* Average low specification alternative product

ProVia number	Unloader	Cut out pressure	Operational range	Ports	Optional ProVia heater
PRO 122 005 0	—	12.0 ±0.2 bar	1.4 ±0.4 bar	1, 21: M22×1.5; 22: M12×1.5; 3: silencer	PRO 410 920 2
PRO 122 006 0	—	9.0 ±0.3 bar	1.3 ±0.4 bar	1, 21: M22×1.5; 22: M12×1.5; 3: silencer	PRO 410 920 2
PRO 122 007 0	—	10.0 ±0.2 bar	1.0 ^{+0.5} _{-0.0} bar	1: M22×1.5; 21: M22×1.5 (Voss); 22: M16×1.5 (Voss); 3: silencer	PRO 410 920 2
PRO 122 008 0	—	≤13 bar	—	1, 21: M22×1.5 (Voss); 22: M16×1.5 (Voss); 4, 23: M16×1.5 (Voss); 3: silencer	PRO 410 920 2
PRO 400 0010	✓	12.0 ±0.3 bar	1.5 ±0.5 bar	11, 21, 24: M22×1.5; 22, 23: M16×1.5; 12: M12×1.5; 4, 25: M10×1.0	PRO 400 920 2
PRO 400 002 0	✓	10.0 ±0.2 bar	1.3 ±0.4 bar	11, 21, 24: M22×1.5; 22, 23: M16×1.5; 12: M12×1.5; 4, 25: M10×1.0	PRO 400 920 2
PRO 410 0010	—	12.5 ±0.3 bar	1.5 ±0.5 bar	1, 21, 22: M22×1.5	PRO 410 920 2
PRO 410 002 0	—	9.1 ±0.3 bar	1.3 ±0.4 bar	1, 21, 22: M22×1.5; 4, 23: M12×1.5	—
PRO 410 003 0	—	8.3 ±0.3 bar	1.3 ±0.4 bar	1, 21: M22×1.5; 4, 22, 23: M12×1.5	PRO 410 920 2
PRO 410 004 0	—	12.5 ±0.3 bar	1.5 ±0.5 bar	1, 21: M22×1.5; 22: M16×1.5	PRO 410 920 2

Cross References ProVia Air Dryer

OE brand	OE number
----------	-----------

PRO 122 005 0

DAF	1505033R 1505034 1517965 1518674
Irisbus	8137622 8160475
Iveco	08137622 4324100350 8160471 8160475
Paccar	1505034

PRO 122 006 0

DAF	1517964 1517970
EvoBus	A0014312315
Irisbus	42079486
Iveco	110450 42079486 42079586 9010099029
Mercedes-Benz	A0014312315
Otokar	12F00-08085-AA

PRO 122 007 0

Knorr-Bremse	LA8209
MAN	81521026098 81521026100
Neoplan	81521026098

PRO 122 008 0

DAF	1517978
EvoBus	A0014312215
Knorr-Bremse	K023357
Mercedes-Benz	A0014312215

OE brand	OE number
----------	-----------

PRO 400 001 0

DAF	1505119 1506409 1506410 1518168 1519202R 1526796
Daimler	A0004301215 A0004301315 A0004302915 A0004303015 A0004309815
EvoBus	A0004301215 A0004301315 A0004302915 A0004303015 A0004309815
Iveco	500070484
Knorr-Bremse	II38308FN00 K024634N00 LA9034

PRO 400 002 0

Daimler	A0004301515
EvoBus	A0004301515

PRO 410 001 0

Knorr-Bremse	K017710 LA8542
MAN	2V5607373C 81521026209 81521026219 81521026223 81521026367 81521026368 81521026369 81521026399

PRO 410 002 0

MAN	2T0607373F
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OE brand	OE number
----------	-----------

PRO 410 003 0

DAF	1505967 1517963
Daimler	8285407000 A0004318815
EvoBus	8285407000
Goldhofer	254559
Iveco	500004419 7000343220 980829 981819
John Deere	AL202707A
Knorr-Bremse	II30448 LA8234
MAN	2TA607349 81521026027 81521026048 88521026001 99100360454 99100360471
Neoplan	11017447 502657308
Nissan	47540D6400
Scania	1932680
Solaris Bus	1102734000
Volvo	1183403

PRO 410 004 0

DAF	1517967
Knorr-Bremse	LA6222 LA8211 LA8212 LA8254
MAN	81521026024 81521026097

Air Processing Unit

The ProVia air processing unit (APU) is a two-part system comprising a ProVia air dryer and a ProVia multi-circuit protection valve. It will dry and clean air supplied by the compressor, adjust pressure for the respective load circuits and provide overload protection.

About

- Universal design covering multiple OE parts. Utilises the same position and installation method as OE components. Compatible with a wide range of OEM trucks and off-highway vehicles in heavy, medium and light-duty markets
- Optimised and economical two-part system consisting of ProVia air dryer PRO 400 0010 and ProVia multiple circuit protection valve PRO 934 005 0
- Available with optional ProVia heater

Key Features

- Secures the pressure of the individual load circuits relative to each other and relative to atmospheric pressure
- In cases of circuit failure, will maintain pressure in the other circuits at the prescribed level. Subsequent operation of the system will allow pressurize circuits to be refilled to the opening pressure of the failed circuit
- Longer life component with significantly better drying performance and reliability when tested against other budget brands

Standards & Quality

- Max. operating pressure ≤ 13 bar
- Thermal operating range -40°C to 80°C



Feature	OE Original	ProVia	Aftermarket Average*
System life time (cycles)			
Security valve opening pressure (bar)			
Cartridge drying performance			
Corrosion resistance (hours)			
Engineering and Testing			
Production / Origin			

* Average low specification alternative product

ProVia number	Max. operating pressure	Thermal operating range	Optional ProVia heater
PRO 100 100 0	≤ 13 bar	-40°C to 80°C	PRO 400 920 2

Cross References ProVia Air Processing Unit

OE brand	OE number
PRO 100 100 0	
DAF	1505230
Daimler	A0014316415 A0014316515 A0014316815 A0014317815 A0014317915 A0014318115 A0014318215 A0024310415 A0024310515 A0024310615 A0024310715 A0024311515 A0024313815

OE brand	OE number
EvoBus	1935482 A0014318115 A0024310415 A0024310515 A0024310615 A0024310715 A0024311515 A0024313815
Ford	6C462A131AA
Knorr-Bremse	II35530 II35530170 II35531 II38310F II38310F170 II38310FN00 II38311F II38311F170

OE brand	OE number
Renault	5021171136 5021175244
Scania	1935483

Discover the ProVia
Product Catalog App



www.wabco.info/i/1258



www.wabco.info/i/1075

Heater

A heater can be fitted to an air dryer and air processing unit as an option. ProVia recommends the use of a heater as part of the air dryer system, ensuring the system operates at a normal operating temperature and to protect it in low temperature environments.

About

- Separate heaters can be ordered as an option
- Produced in Europe for global market needs

Key Features

- High power efficiency
- Designed to fit between heater and body connection
- 70W



Feature	OE Original	ProVia	Aftermarket Average*
Power efficiency			
Heater fitting with air dryer body			
Power (W)			
Engineering and Testing			
Production / Origin			

* Average low specification alternative product

Application

ProVia number	
Air Dryer / Air Processing Unit	Heater
PRO 122 005 0	PRO 410 920 2
PRO 122 006 0	PRO 410 920 2
PRO 122 007 0	PRO 410 920 2
PRO 122 008 0	PRO 410 920 2
PRO 400 001 0	PRO 400 920 2
PRO 400 002 0	PRO 400 920 2
PRO 410 001 0	PRO 410 920 2
PRO 410 002 0	—
PRO 410 003 0	PRO 410 920 2
PRO 410 004 0	PRO 410 920 2
PRO 100 100 0	PRO 400 920 2



ProVia number
PRO 400 920 2
PRO 410 920 2

Cartridge

Inside the pneumatic system, the air dryer cartridge is an important, safety-relevant component. Installed between the compressor and reservoirs a cartridge is the first line of defense protecting a vehicles air system.

About

- Outstanding performance in the budget cartridge business thanks to high quality moisture absorbing material
- ProVia is able to serve multiple OEM cross references in different vehicle applications
- Recommended mainly long distance operation without much stop-and-go, braking, etc.
- Different cartridges based on water /oil separation, drying performance and thread size

Key Features

- Cartridges prevent humid air entering into the system protecting it from corrosion and freezing



Feature	OE Original	ProVia	Aftermarket Average*
Drying performance			
Desiccant material			
Engineering and Testing			
Oil filtering coalescing cartridge			
Production / Origin			

* Average low specification alternative product

ProVia number	PRO 124 002 2	PRO 010 200 2	PRO 124 000 2 *	PRO 124 701 2
Product				
Technology	Standard	Standard	Standard	Coalescing
Filter	Water	Water	Water	Water, Oil
Operating pressure	≤10 bar	≤13 bar	≤14 bar	≤13 bar
Port	M39×1.5 right-hand thread	M39×1.5 right-hand thread	M41×1.5 right-hand thread	M39×1.5 right-hand thread



ProVia™

Cross References ProVia Cartridge

OE brand	OE number
PRO 010 200 2	
Bell Equipment (SA)	220949
Bendix	272897
CVS	430001-01
DAF	0699387 1527756 1504900R
E.R.F.	136873-1
Faun	9970 7305720
Fomoco	2C462B915AA
Ford	4C452A131AA
Haldex	03104109 950 310 099
Iveco	190 7612 299 2261 5031 35256 812 3564 819 0948
John Deere	AL204884
Knorr-Bremse	272897 I 85127/004 II 17793/044 II 34979 II 40100F K 001185
Leyland	BBU8146 BBU9424
Liebherr	571352308
Mahle	78793135 AL12
MAN	81.52102-0008 81.52102-0009 81.52102-0010 81.52102-0015 81.52102-0019 81.52102-6001 82.52102-0013

OE brand	OE number
MANN Filter	TB1374X
Mercedes-Benz	A 000 429 08 97 A 000 429 10 97 A 000 429 12 97 A 000 429 33 95 A 000 429 35 95 A 000 429 36 95 A 000 429 37 95 A 000 430 06 69 A 000 430 09 69
Paccar	1504900
Renault Trucks	50 00 295 421 50 01 004 902 50 01 830 112 50 21 132 574 50 21 170 070 50 21 170 076 54 30 018 121
Scania	037 7640 137 5997 193 2688
Schwarzmüller	30283
Steyr-Daimler-Puch	792.00.36.1087 792.00.36.1090
Tatra	9907004690
Terex	761176 73
Volvo	3090236 3090268 3090288 3091200

PRO 124 000 2

DAF	1391510 1439553
Knorr	II41300F
Leyland	1391510
SCANIA	SP 103 7105

OE brand	OE number
PRO 124 701 2	
Bell Equipment (SA)	220949
Bendix	272897
CVS	430001-01
DAF	0699387 1504900 1505970 1506635 1518683 1527756 1504900R
Demag	76117673
Dennis	4324102227
E.R.F.	136873-1
Faun	9970 7305720
Fomoco	2C462B915AA
Ford	4C452A131AA
Frühauf	CF352490
Haldex	03104109 950 310 099
Iveco	174 767 190 7612 21309 12136 299 2261 3351 454R1 5031 35256 812 3564 819 0948 E4420001838
John Deere	AL204884 K039454X00
Knorr-Bremse	272897 272897SP I 85127/004 II 17793/044 II 34979 II 40100F K 001185

Cross References ProVia Cartridge

OE brand	OE number
Kögel	326549
Leyland	BBU8146 BBU9424
Liebherr	571352308
Mafi	0005650008 0005650018
Mahle	78793135 AL12
MAN	1368731 4324102227 99100360822 81.52102-0008 81.52102-0009 81.52102-0010 81.52102-0015 81.52102-0016 81.52102-0016 81.52102-0019 81.52102-6001 81.52108-6025 81.52108-6026 82.52102-0013 N2509990176 ZG046010002
MANN Filter	TB1374X
Mercedes-Benz	A 000 429 08 97 A 000 429 10 97 A 000 429 12 97 A 000 429 33 95 A 000 429 35 95 A 000 429 36 95 A 000 429 37 95 A 000 430 06 69 A 000 430 09 69
Nissan	479809X400
Opel	4295695
Paccar	1504900
Renault Trucks	50 00 295 421 50 01004 902 50 01830 112 50 21132 574 50 21170 070 50 21170 076 54 30 018 121

OE brand	OE number
Scania	037 7640 137 5997 193 2688 193 2719
Schwarzmüller	30283
Steyr-Daimler-Puch	792.00.36.1087 792.00.36.1090
Tatra	9907004690
Terex	761176 73
Volvo	3090236 3090268 3090288 3091200 8552063 20557234 20972915 21508133 21620181
VW	2TA607413

OE brand	OE number
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Multiple Circuit Protection Valve

The multiple circuit protection valve (MCPV) from ProVia provides pressure protection in multi-circuit braking systems. Used in a truck braking system, an MCPV distributes compressed air, adjusts pressure to the respective circuits and protects healthy circuits in cases of circuit failure.

About

- Distributes compressed air, adjusts pressure, protects healthy circuits in the event of circuit failure
- Universal design covering multiple OE applications
- Compatible with the widest range of trucks and buses across heavy, medium and light duty applications

Key Features

- Wide functionality including bleedback utility, pressure-limiting valve, and a bypass function between ports 21 and 22
- Fully compatible with ProVia air dryers
- Sensor-equipped for pressure level monitoring

Standards & Quality

- Max. operating pressure ≤ 13 bar.
- Thermal operating range for continuous operation: -40°C to 80°C
- Opening pressure: 9.0 bar (circuit 1+2), 7.5 bar (circuit 3+4)
- Closing pressure: ≥ 7.0 bar (circuit 1+2), ≥ 4.5 bar (circuit 3+4)
- Pressure limiting: 10.0 bar (circuit 1+2), 8.5 bar (circuit 3+4)



Feature	OE Original	ProVia	Aftermarket Average*
Product lifetime (cycles)			
Corrosion resistance (hours)			
Leakage at rapid test (cm^3/min)			
Leakage $+80^{\circ}\text{C}$ (cm^3/min)			
Engineering and Testing			
Production / Origin			

* Average low specification alternative product

ProVia number	Opening pressure	Closing pressure	Pressure limiting
PRO 934 005 0	9.0 bar (circuit 1+2) 7.5 bar (circuit 3+4)	≥ 7.0 bar (circuit 1+2) ≥ 4.5 bar (circuit 3+4)	10.0 bar (circuit 1+2) 8.5 bar (circuit 3+4)

OE brand	OE number
PRO 934 005 0	
DAF	1505128 1519211R
Daimler	A0034315406 A0034315706 A0034316106 A0034316806

OE brand	OE number
EvoBus	A0034315706
Knorr-Bremse	II37680 II37680004 II37680N50
MAN	ZG046430002
Renault	5021170905

OE brand	OE number
Sanwa Seiki	1571020002
Scania	1935509 1935510

ProVia™

Quadruple Circuit Protection Valve

The ProVia Quadruple Circuit Protection Valve (Quad) serves as a distribution point securing pressure in a multi-circuit vehicle air braking system. In the case of one circuit failing, pressure in the other circuits will be maintained at a prescribed level. Subsequent operation of the system will allow working circuits to be refilled to the opening pressure of the failed circuit.



About

- Designed and manufactured in Europe by aftermarket specialists, created for the requirements of aftermarket customers
- Distributes compressed air to multiple circuits in a vehicle air braking system. Compatible with a wide range of OE systems
- Priority charging for foot brake circuits. Widely configurable, featuring protection in case of circuit failure

Key Features

- Mounted after the compressor and air dryer (where fitted)
- In normal operation functions in a similar manner to a manifold block
- Longer life component than other budget brands, zero compromises on safety
- Controlled bypass functionality increases service brake circuits filling speed
- Different variants with predefined opening and closing pressure, for different quantity of circuits and ports
- Bleedback function
- Pressure limiting and measurement functionality available on demand

Standards

- Max. operating pressure: 13 bar
- Thermal operating range: -40 °C to 90 °C
- Opening / closing pressure: variant dependant – wide range of OE numbers covered
- Two types available: QUAD (5 ports) and MP7 (7 ports)



ProVia number	Opening pressure (bar) on port				Closing pressure (bar)	Port
	21	22	23	24		
PRO 122 001 0	6.9 +0/-0.3	6.9 +0/-0.3	7.0 +0/-0.3	6.9 +0/-0.3	≥ 5.0	1, 21, 22, 23, 24: M22×1.5 Voss
PRO 122 002 0	6.5 +0/-0.3	6.5 +0/-0.3	7.2 +0/-0.3	6.5 +0/-0.3	≥ 4.5	1: M22×1.5; 21, 22, 23, 24: M16×1.5
PRO 122 003 0	6.5 +0/-0.3	6.5 +0/-0.3	7.4 +0/-0.3	6.5 +0/-0.3	≥ 4.5	1: M22×1.5; 21, 22, 23, 24: M16×1.5
PRO 122 004 0	6.3 +0/-0.3	6.3 +0/-0.3	5.8 +0/-0.3	5.8 +0/-0.3	≥ 5.5	1: M22×1.5; 11, 12, 21, 22, 23, 24: M16×1.5

Cross References ProVia Quadruple Circuit Protection Valve

OE brand	OE number
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PRO 122 001 0

Knorr-Bremse	AE4609
MAN	64521516001 81521516095 81521516098 81521516099 81521516105 81521516106
Neoplan	81521516098

PRO 122 002 0

Volvo	20382310 20452152 21811707
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OE brand	OE number
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PRO 122 003 0

Alexander Dennis	AB9347142110
MAN	ZG046460002
Paccar	1505406
Scania	1381883 1431049 1935516
Van Hool	10740689
VDL Bus	28210202900
Volvo	1431049

OE brand	OE number
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PRO 122 004 0

Volvo	20382309 20452151 20716313 20755195 21225479
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Discover the ProVia
Product Catalog App



www.wabco.info/i/1258



www.wabco.info/i/1075

ProVia™

Pressure Limiting Valve

Pressure limiting valves help ensure system pressures are kept below a desired upper limit and maintain a set pressure in relevant parts of the circuit. Most pneumatic systems are designed to operate within a preset pressure range. Without controlling or limiting these forces, power components (and expensive equipment) could be damaged. The valves prevent the buildup of excessive pressure or vacuum which can unbalance the system. They are the safeguards which limit maximum pressure in a system by releasing it when it gets too high.

About

- Universal design to cover multiple OE applications: serving around 100 OEM cross references with 28 variants
- Jointly developed in Europe and India for global market needs
- Produced in Europe

Key Features

- Reliable operating lifetime, reducing replacement rates
- Strong corrosion resistance

Standards

- Normal operating pressure of 10 bar, with maximum of 20 bar
- One mounting hole of Ø 8.6 mm to accommodate M8 stud
- Two mounting holes of Ø 8.6 mm with 56 mm pitch



PRO 010 ... 0
 PRO 643 ... 0
 PRO 643 3.. 0



PRO 015 ... 0
 PRO 643 0.. 0
 PRO 643 5.. 0

Feature	OE Original	ProVia	Aftermarket Average*
Product life time (cycles)			
Corrosion resistance (hours)			
Leakage -40 °C (cm³/min)			
Leakage +80 °C (cm³/min)			
Engineering and Testing			
Production / Origin			

* Average low specification alternative product

ProVia Pressure Limiting Valve

ProVia number	Pressure (bar)			Port 1, 2	Adjustable
	Max.	Supply	Delivery		
PRO 010 300 0	20.0	10.0	8.5	M22×1.5	✓
PRO 010 301 0	20.0	12.5	10.0	M22×1.5	✓
PRO 010 302 0	20.0	7.5	5.3	M22×1.5	✓
PRO 010 314 0	20.0	10.0	7.0	M22×1.5	✓
PRO 010 317 0	20.0	12.0	6.5	M22×1.5	✓
PRO 010 318 0	20.0	12.0	8.0	M22×1.5	✓
PRO 010 332 0	20.0	10.0	3.5	M22×1.5	✓
PRO 010 333 0	20.0	12.5	9.3	M22×1.5	✓
PRO 015 004 0	20.0	8.0	3.5	M16×1.5	—
PRO 015 005 0	20.0	12.0	8.0	M16×1.5	—
PRO 015 026 0	15.0	8.0	2.5	M16×1.5	—
PRO 015 068 0	14.0	10.0	9.0	M16×1.5	—
PRO 015 072 0	15.0	11.0	8.5	M16×1.5	—
PRO 015 073 0	15.0	10.0	7.5	M16×1.5	—
PRO 015 512 0	20.0	8.5	5.5	M16×1.5	—
PRO 643 001 0	20.0	16.0	7.4	M16×1.5	—
PRO 643 031 0	20.0	11.0	7.5	M16×1.5	—
PRO 643 037 0	20.0	11.0	9.5	M16×1.5	—
PRO 643 083 0	20.0	12.0	8.0	M16×1.5	—
PRO 643 307 0	20.0	8.0	1.8	M22×1.5	—
PRO 643 308 0	20.0	10.0	7.8	M22×1.5	—
PRO 643 325 0	20.0	8.0	4.6	M22×1.5 Voss	—
PRO 643 328 0	20.0	10.0	2.5	M22×1.5 Voss	—
PRO 643 330 0	20.0	12.0	6.5	M22×1.5 Voss	—
PRO 643 331 0	20.0	12.0	8.0	M22×1.5 Voss	—
PRO 643 335 0	20.0	10.0	8.5	M22×1.5 Voss	—
PRO 643 339 0	20.0	12.3	8.5	M22×1.5 Voss	—
PRO 643 500 0	20.0	8.0	6.5	M16×1.5	—



PRO 010 ... 0
PRO 643 ... 0
PRO 643 3.. 0



PRO 015 ... 0
PRO 643 0.. 0
PRO 643 5.. 0

Cross References ProVia Pressure Limiting Valve

OE brand	OE number
PRO 010 300 0	
Daewoo	3454402440
DAF	1505392
Hyundai	594507C700
MAN	1260667 81521016269
PRO 010 301 0	
Daewoo	4750103010
DAF	1518113
MAN	81521016270
Paccar	1518113
Scania	1935018
Tatra	4750103010
PRO 010 302 0	
DAF	1406784
Knorr-Bremse	161236
Scania	2090272
PRO 010 314 0	
DAF	1518115
Daimler	A0054290444
MAN	81521016283
PRO 010 317 0	
DAF	1518116
MAN	81521016284
PRO 010 318 0	
DAF	1531568
Daimler	A0044299644
MAN	81521016287
PRO 010 332 0	
Daimler	A0054290344

OE brand	OE number
PRO 010 333 0	
DAF	1531548
MAN	81521016295
Paccar	1528899
PRO 015 004 0	
DAF	1517895
Daimler	A0024311206
Iveco	5006002630
Knorr-Bremse	481009014000 DB1151
MAN	81521016153
Neoplan	11017339 110243200
Paccar	1517895
Scania	1935023
PRO 015 005 0	
DAF	1505095
Daimler	A0024312406
Knorr-Bremse	481009029 481009029000 AC156B DB1155
MAN	82521016036
Paccar	1505095
Renault	5021170206
Scania	1935024
PRO 015 026 0	
Volvo	21076527
PRO 015 068 0	
DAF	1725688
PRO 015 072 0	
DAF	1505097 1524015 1531547

OE brand	OE number
Iveco	8169587
Knorr-Bremse	AC156B
Paccar	1505097 1524015 1528902 1708305
Renault	7421339179
Scania	1935026
Volvo	20382312 21339179
PRO 015 073 0	
Volvo	21339181
PRO 015 512 0	
DAF	906782
Daimler	A0034318906
Paccar	906782
PRO 643 001 0	
Knorr-Bremse	481009022000
MAN	81521016150
Mercedes-Benz	A0034310106
Paccar	1505094
Scania	1935021
PRO 643 031 0	
DAF	1505096
Iveco	04780200
Knorr-Bremse	AC156A
Paccar	1505096
PRO 643 037 0	
Knorr-Bremse	AC156A
Scania	1935025
PRO 643 083 0	
Scania	2205623

Cross References ProVia Pressure Limiting Valve

OE brand	OE number
PRO 643 307 0	
Bpw	0243109600
DAF	1503133
Feldbinder	011591
Goldhofer	151866
Kempf	2105005
Krone	505812505
MAN	84521016040
Paccar	1503133
Scania	2090276
Volvo	WA4750103070
PRO 643 308 0	
Faun	99707766160
Krone	9454010
Paccar	1658313

OE brand	OE number
PRO 643 325 0	
DAF	1518117
MAN	81521016285
Tatra	4750103250
PRO 643 328 0	
MAN	81521016294
PRO 643 330 0	
Mercedes-Benz	A0054293244
PRO 643 331 0	
Mercedes-Benz	A0044299644
PRO 643 335 0	
EvoBus	A0054297444
Mercedes-Benz	A0054297444

OE brand	OE number
PRO 643 339 0	
Mercedes-Benz	A0054298544
PRO 643 500 0	
Lecitrailer	4110841
Paccar	1506196
Van Hool	637211400

Compressor Cylinder Head

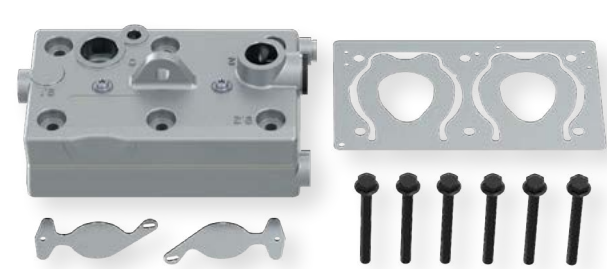
ProVia offers competitive compressor repair solutions for commercial vehicles of all types, providing reliable performance at an attractive price. The range now includes a replacement cylinder head to control airflow through the compressor, compatible with a wide range of trucks and buses in the heavy, medium and light vehicle markets.

About

- Universal design compatible with a wide range of global OE applications in diverse commercial vehicle market sectors
- Manufactured from superior steel grades for better heat-exchange performance and extended product life
- Produced in Europe

Key Features

- Designed for high-temperature applications
- Superior cooling performance to budget brand alternatives
- Enhanced surface protection and excellent durability



Feature	OE Original	ProVia	Aftermarket Average*
Product life time (hours)			
Operating pressure (bar)			
Product characteristics			
Heat exchange abilities			
Engineering and Testing			
Production / Origin			

* Average low specification alternative product

ProVia Compressor Cylinder Head – Content / Application

Compressor Cylinder Heads Repair Kits		For repair of compressor		
ProVia number	Content	OE brand	OE number	WABCO number
PRO 154 002 2	Cylinder head 4× Hexagon flange bolt O-ring Repair instruction	DAIMLER	A 906 130 28 15 A 906 130 41 15 A 906 130 54 15 A 906 130 29 15 A 906 130 42 15 A 906 130 49 15	411151003 0 411151008 0 / 009 0 411154 000 0 411154 003 0 / 004 0 411151012 0 411154 005 0 411154 008 0
PRO 352 922 2	Cylinder head 4× Hexagon flange bolt 3× Sealing ring 2× O-ring Repair instruction	DAIMLER	A 475 130 44 15 A 457 130 08 15 A 457 130 68 15	412 352 026 0 412 352 006 0 / 007 0 412 352 009 0 ... 011 0 412 352 013 0 ... 016 0 412 352 027 0 412 352 031 0
PRO 510 920 2	Cylinder head 6× Hexagon flange bolt Repair instruction	DAIMLER	A 475 130 48 15 A 457 130 70 15 A 457 130 71 15	912 510 100 0 / 101 0 912 510 103 0 / 104 0
PRO 510 930 2	Cylinder head 6× Hexagon flange bolt 2× Sealing ring Repair instruction	DAIMLER	A 457 130 69 15 A 457 130 72 15 A 457 130 75 15	912 510 200 0 ... 203 0
PRO 704 932 2	Cylinder head 6× Hexagon flange bolt Repair instruction	VOLVO Renault	20713886 20701801	412 704 001 0 412 704 004 0 / 005 0 412 704 008 0 / 009 0

Cross References ProVia Compressor Cylinder Head

OE brand	OE number	OE brand	OE number	OE brand	OE number
PRO 154 002 2		PRO 510 920 2		PRO 704 932 2	
Daimler	A0001315119 A0011307915	Daimler	A0011304715 A0011305915	Renault	20701803
PRO 352 922 2		PRO 510 930 2		Volvo	20701803
Daimler	A0011301215 A0011302615 A0011305219	Mercedes-Benz	4571306915S1		

Foot Brake Valve

The ProVia foot brake valve (FBV) is used for precise pressurisation and purge of pneumatic dual-circuit braking systems, actively controlling the braking process. It works in harness with actuating mechanisms across an extensive range of commercial vehicles. It is designed to secure both air circuits, allowing the vehicle to be operated safely at all times.

About

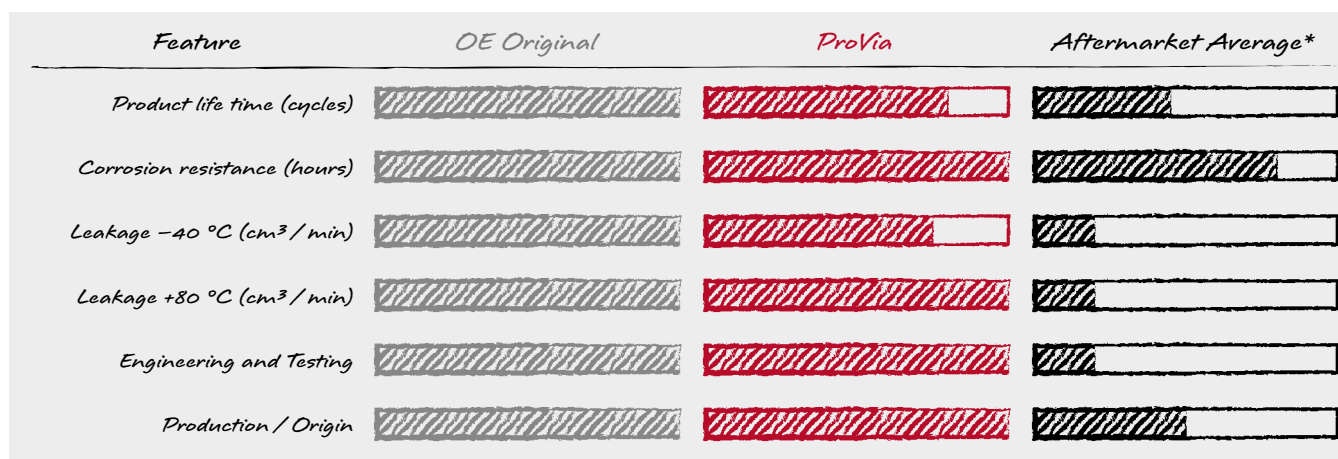
- Universal design compatible with a wide range of global OE applications

Key Features

- Highly reliable due to robust design, zero compromises on safety
- Long durability and high corrosion resistance, proven in the 96h Neutral Salt Spray Test
- Pressure predominance of Circuit One versus Circuit Two is 0.15 bar to 0.3 bar
- Total travel until stop is available from 12.5 mm to 15 mm

Standards & Quality

- Meets performance standard ECE-R13
- In addition to ECE-R13, the FBV undergoes diverse additional assessments including a 96 h Neutral Salt Spray Test



* Average low specification alternative product

ProVia number	Exhaust	Port	Pressure (bar)	
			Working	Temporary
PRO 315 008 0	Hose nipple (90°)	M16×1.5	10.0	12.0
PRO 315 077 0	Hose nipple (90°)	M16×1.5	10.0	12.0
PRO 315 180 0	Silencer	Ø 12 mm	9.0	11.0
PRO 315 263 0	Silencer	M22×1.5 Voss	10.2	13.0
PRO 315 264 0	Silencer	M22×1.5 Voss	10.2	13.0

Cross References ProVia Foot Brake Valve

OE brand	OE number
PRO 315 008 0	
Daimler	A0014318305
EvoBus	A0014318305
Hyundai	B587105K200
Iveco	4783981
Kia	B587105K200
MAN	8550001-4354
Mercedes-Benz	A0014318305
Tata Daewoo	Z442145010087

OE brand	OE number
PRO 315 077 0	
Anadolou Isuzu	377774192051
CNHTC	WG9719360005/1
Iveco	5801103156
PRO 315 180 0	
DAF	1504971
Paccar	1504971

OE brand	OE number
PRO 315 263 0	
DAF	1522226
Daimler	A0044314105
EvoBus	A0044314105
Mercedes-Benz	A0044314105
PRO 315 264 0	
DAF	1518065
Daimler	A0044314605 A0044315905
Mercedes-Benz	A0044314605 A0044315905
Paccar	1518065

Hand Brake Valve

Through ProVia's hand brake valve a sensitive graduated actuation of the auxiliary brake and operation of the parking brake system is enabled. Active braking control is possible based on a precise air pressure regulation in a dual-circuit brake system. By gradually releasing the air from the connected Tristop™ or spring brake actuators the hand brake valve enables a controlled deceleration of the vehicle.

About

- ProVia range covers the most popular devices for the European market
- Left and right hand variants are available

Key features

- Pressure levels in all circuits are kept in tolerance during whole device life-time
- Reliable operating lifetime, reducing replacement rates
- Strong corrosion resistance
- Thermal operating range: -40 °C to 80 °C



Feature	OE Original	ProVia	Aftermarket Average*
Pressure levels maintenance (endurance test)			
Surface protection			
Engineering and Testing			
Production / Origin			

* Average low specification alternative product

ProVia number	Parking position	Control port trailer	Trailer test position	Max. pressure	Ports	Mounting	Comments
PRO 645 000 0	59,5°	✓	—	10 bar	dedicated connector	Ø8, mounting plate	blocking valve
PRO 645 001 0	59,5°	✓	—	10 bar	dedicated connector	Ø8, mounting plate	blocking valve, right hand drive
PRO 645 002 0	73,0°	✓	—	10 bar	M16×1.5 Voss	M6	
PRO 645 003 0	73,0°	✓	✓	10 bar	M16×1.5	M8	
PRO 645 004 0	73,0°	✓	✓	10 bar	M16×1.5 Voss	M6	
PRO 645 005 0	73,0°	✓	✓	10 bar	M16×1.5	M6	
PRO 645 006 0	73,0°	✓	✓	11 bar	M16×1.5	M8	electrical switch
PRO 645 007 0	85,0°	—	—	10 bar	M16×1.5 Voss	M6	
PRO 645 008 0	85,0°	—	—	10 bar	M16×1.5 Voss	M6	
PRO 645 009 0	—	—	—	10 bar	M16×1.5	M8	for trailer only



PRO 645 000 0



PRO 645 001 0



PRO 645 002 0



PRO 645 003 0



PRO 645 004 0



PRO 645 005 0



PRO 645 006 0



PRO 645 007 0



PRO 645 008 0



PRO 645 009 0

ProVia™

Cross References ProVia Hand Brake Valve

OE brand	OE number
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PRO 645 000 0

DAF	1524321
Volvo	20367533

PRO 645 001 0

DAF	1524322
Volvo	20367534

PRO 645 002 0

DAF	1505340
Scania	1935576
Solaris	1102408340

PRO 645 003 0

MAN	81523156156 81523156160 81523156161 81523156162 81523156171 81523156181
Scania	1935570

OE brand	OE number
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PRO 645 004 0

Renault	7420813850
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PRO 645 005 0

DAF	1309813
Knorr-Bremse	DPM90DA

PRO 645 006 0

DAF	1524294 1524802
Iveco	8132394 98405732
Knorr-Bremse	DPM90EY

PRO 645 007 0

DAF	371274
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PRO 645 008 0

DAF	1505331
Scania	1935564
Volvo	6792610

OE brand	OE number
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PRO 645 009 0

Daimler	0034305981
Evobus	A0034305981

Relay Valve

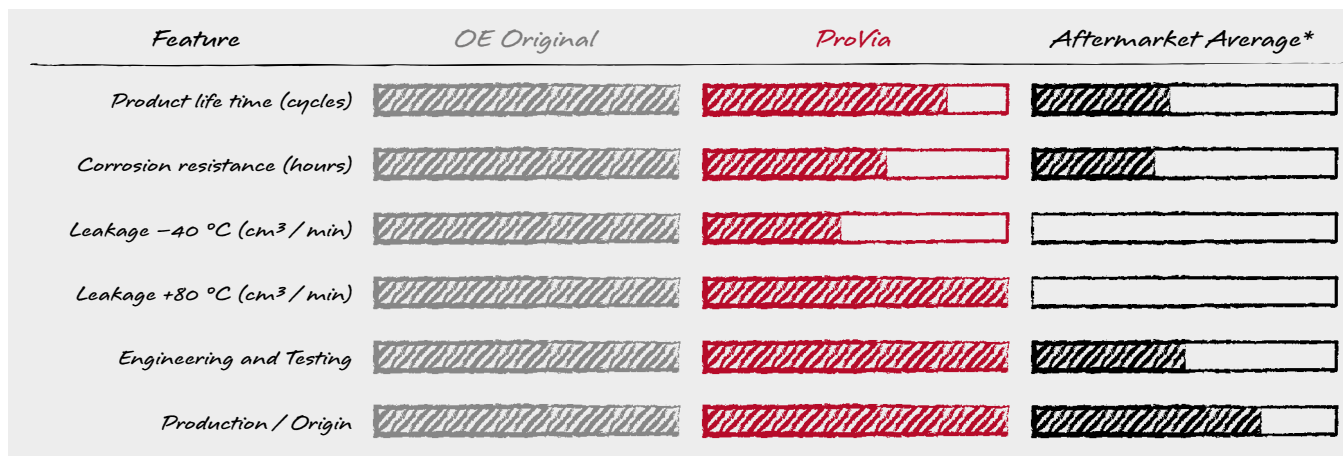
Relay valves rapidly increase or decrease the pressure of compressed air and shorten the response and pressure build-up times in air braking systems. Relay valves not only help to rapidly pressurize the brake cylinders, but also act as quick-release valves when the brakes are released.

About

- A product range of highly reliable valves with consistent high quality level. These are designed to serve as spare parts for your commercial vehicle (truck, trailer & bus)
- With a range of 11 variants today, ProVia is able to serve around 70 OEM references

Key Features

- Enhanced safety and improved vehicle handling
- Universal design
- Snap fit silencer
- Exhaust spout is part of the lower body for silencer fitment in field if required
- Thermal range: -40 °C to +80 °C



* Average low specification alternative product

ProVia number	Pressure (bar)			Ports	Silencer	Remark
	Operating	Working	Response			
PRO 011 000 0	13.0	11.0	2.50	1, 2: M22×1.5 Voss; 4: M16×1.5 Voss	—	Anti-compound
PRO 011 001 0	12.0	10.0	0.20* 0.30**	1: M22×1.5; 2, 4: M16×1.5	—	Overload protection
PRO 011 002 0	13.0	10.0	0.20	1, 3: M22×1.5; 2, 4: M16×1.5	—	Non-return
PRO 011 003 0	8.5	8.5	0.90	1, 2: M22×1.5 Voss; 4: M16×1.5 Voss	✓	
PRO 011 004 0	13.0	10.0	0.20	1, 2: M22×1.5; 4: M16×1.5	—	
PRO 011 005 0	13.0	10.0	0.38	1, 2: M22×1.5; 4: M16×1.5	—	
PRO 011 006 0	13.0	10.0	0.20	1, 2: M22×1.5 Voss; 4: M16×1.5 Voss	—	
PRO 011 007 0	13.0	10.0	0.20	1, 2: M22×1.5 Voss; 4: M16×1.5 Voss	✓	
PRO 011 008 0	13.0	10.0	0.20	1, 2: M22×1.5 Voss; 4: M16×1.5 Voss	✓	Port 4 90° rotated
PRO 011 009 0	13.0	10.0	0.20	1, 2: M22×1.5; 4: M16×1.5	✓	
PRO 643 000 0	10.0	8.0	0.80	1, 2: M22×1.5 Voss; 4: M16×1.5 Voss	—	

Double signal port: * Service brake; ** Parking brake

Cross References ProVia Relay Valve

OE brand	OE number
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PRO 011 000 0

DAF	1518271
EvoBus	A0044299444
MAN	81521166089
Renault	5010588270
Scania	1935668
Volvo	20733197

PRO 011 001 0

DAF	1519332
MAN	ZG046570002
Scania	1935666

PRO 011 002 0

DAF	1504903
MAN	ZG046560002
Scania	1935660

PRO 011 003 0

DAF	1518267
Daimler	A0044296344
EvoBus	A0044296344
Knorr-Bremse	481026307000 AC577A
MAN	81521166075
Scania	1935646

PRO 011 004 0

DAF	1505410 5021172710
Knorr-Bremse	0481026021 481026021000 AC574AX AC574CXY RE1110

OE brand	OE number
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MAN	81436066008
Mercedes-Benz	0024733006 A0034291344
Scania	1313871 1322986 2090235 2090237
Setra	8285438000
Volvo	11117866 3173150

PRO 011 005 0

Scania	1411244 2131071
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PRO 011 006 0

DAF	1506485
Daimler	A0044293844
ERF	81521166070
Knorr-Bremse	481026022000
MAN	81521166070
Mercedes-Benz	004429384480
Scania	2090236

PRO 011 007 0

Daimler	A0044296244
Fiat	5001843220
Knorr-Bremse	0481026026
MAN	11017334
Mercedes-Benz	0044297844
Scania	2090238 2090239
Volvo	20590781

OE brand	OE number
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PRO 011 008 0

Leyland	1703663
Paccar	1703663

PRO 011 009 0

Knorr-Bremse	AC574AXY AC574AY
MAN	E41031426

PRO 643 000 0

Alexander Dennis	DP002130
DAF	1505150
EvoBus	A0044290644
Knorr-Bremse	481026301000
MAN	81521166067 81521166068 81521166069 81521169067
Mercedes-Benz	0044290644 0044291144
Neoplan	81521166068
Renault	5021170458
Scania	1935645
Lohr	9730060010

Trailer Release Valve

The ProVia trailer release valve (TRV) releases the brakes on an uncoupled trailer, allowing it to be moved independent of the tractor unit. The TRV has been designed as a cost-effective alternative to OE components with no compromise on safety. It is available in a range of variants, designed for compatibility with a wide choice of OE systems.

About

- Available as a discharge valve with flange, without flange and as a double discharge valve
- Five variants, compatible with a comprehensive range of OE systems

Key Features

- Release function to move an uncoupled trailer
- High corrosion resistance, proven in the 96 h Neutral Salt Spray Test
- Long-life durability compared to budget alternatives
- Robust design, highly reliable



Feature	OE Original	ProVia	Aftermarket Average*
Product life time (cycles)			
Corrosion resistance (hours)			
Leakage (cm ³ / min)			
Engineering and Testing			
Production / Origin			

* Average low specification alternative product

ProVia number	Variant	Mounting	Supply port	Remark
PRO 527 001 0	single	flange	M16×1.5	–
PRO 527 002 0	single	flange	M22×1.5	–
PRO 527 004 0	single	mounting holes	M16×1.5	–
PRO 527 005 0	double	mounting holes	M16×1.5	with check valve; with cover port
PRO 527 006 0	double	mounting holes	M16×1.5	without check valve; with cover port

PRO 527 001 0
PRO 527 002 0



PRO 527 004 0



PRO 527 005 0
PRO 527 006 0



Cross References ProVia Trailer Release Valve

OE brand	OE number
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PRO 527 001 0

Benalu	605252200
Faymonville	01019
Feldbinder	006675
Fruehauf	A-71519M70-A11
Goldhofer	160191
Hendrickson	963/001/012/0
Kässbohrer	82851740000
Kempf	2102004
Knorr-Bremse	II36134
Krone	500945418
Langendorf	1133253
Lohr	A05020209
Nooteboom	308066
Orthaus	495058
Renault	5021170423
Samro	4000009
Schmitz Cargobull	050304
Schwarzmüller	4629
Van Hool	637209540
Zorzi	6169370

PRO 527 002 0

Feldbinder	011626
Goldhofer	163623
Knorr-Bremse	AE4232 II36133I
Kögel	185055
Nooteboom	0308065
Schmitz Cargobull	50309
Schwarzmüller	23740

PRO 527 004 0

Benalu	605323000
Faymonville	1020
Feldbinder	006712
Fruehauf	A-FA4271-008

OE brand	OE number
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Goldhofer	152092
Haldex	352018001
Hendrickson	963/006/001/0
Kempf	2102005
Knorr-Bremse	AE4217 II36160 II36160AT
Krone	500945021
Langendorf	1133255
Lecitrailer	4110241
Lohr	A05020211
Meiller	39004882 796890
Neoplan	7128000
Nooteboom	308063
Orthaus	49501101000
Otokar	A-IF0772
Samro	4000227
Schmitz Cargobull	053010
Schwarzmüller	9141
Terex-Demag	32413640
Zorzi	1013065

PRO 527 005 0

Doll	7069646
Faymonville	7886
Feldbinder	6916
Goldhofer	164265
Haldex	352044001 352045000 352045001
Kässbohrer	21151103260 8283012000
Kempf	2102006
Knorr-Bremse	AE4247 II36131
Kögel	336490
Krone	505812423 5812423/0

OE brand	OE number
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Langendorf	1133254
Liebherr	10102276
Lohr	A05021210
Meiller	39004884 796892
Neoplan	7133000
Nooteboom	1319581
Orthaus	495060
Otokar	A-IF0503
Samro	4001199
Schmitz Cargobull	052190 1060742
Schwarzmüller	36006
Tirsan	21151103260
Zorzi	1013171

PRO 527 006 0

Haldex	352044001
Hendrickson	963/001/052/0
Knorr-Bremse	AE4230 II36128
Otokar	A-IF0944
Samro	4001059
Schmitz Cargobull	114017
Zorzi	1013165

Relay Emergency Valve

A ProVia relay emergency valve (REV) controls a two-line trailer brake system actuated by the braking system of the tractor. The product controls the emergency brake function, triggering automatic trailer braking when a partial or total pressure drop is detected in the supply line.

About

- Three variants with predominance function, two variants with release function to move the trailer manually. Compatible with a comprehensive range of OE brake systems

Key Features

- Release function to move the trailer manually
- Automatic braking function in case of supply line evacuation or tractor/trailer disconnection
- High corrosion resistance, as demonstrated in the 96 hours Neutral Salt Spray Test
- Highly reliable, long-life durability compared to budget alternatives

Standards & Quality

- Meets performance standard ECE-R13
- In addition to ECE-R13, the REVs undergo diverse additional tests, including a 96 hours Neutral Salt Spray Test



* Average low specification alternative product

ProVia number	Function	Ports
PRO 648 0010	Predominance	M22×1.5
PRO 648 002 0	—	M22×1.5
PRO 648 003 0	Predominance, Release	M22×1.5 / M22×1.5
PRO 648 004 0	Predominance, Release	M22×1.5 / M16×1.5



PRO 648 0010



PRO 648 002 0



PRO 648 003 0



PRO 648 004 0

Cross References ProVia Relay Emergency Valve

OE brand	OE number
PRO 648 001 0	
DAF	1359971
Faymonville	10553
Goldhofer	163414
Hendrickson	HB100197
Krone	58111590
Lecitrailer	4110691
MAN	N2521160024
Meiller	796894/39004885
Nooteboom	308033
Renault	5021208761
Schmitz Cargobull	52504
Schwarzmüller	7241
Van Hool	10536639

OE brand	OE number
PRO 648 002 0	
Faymonville	46031
Feldbinder	297449
Goldhofer	167732
Krone	5816897/0
Lohr	A05021208
MAN	N2521160026
Meiller	706060/70044428
Nooteboom	1745134
Paccar	1506171
Renault	5021208823
Scania	1912351
Schmitz Cargobull	1042995
Schwarzmüller	54789
Tirsan	21150110046
Van Hool	10868345

OE brand	OE number
PRO 648 003 0	
DAF	1519310
Goldhofer	163413
Liebherr	502814801
Meiller	799027/70143221
Scania	2090079
Schmitz Cargobull	53355 8283884000
Schwarzmüller	32939
PRO 648 004 0	
DAF	1519312
Faymonville	10549
Paccar	1519312
Scania	2090081
Schmitz Cargobull	1060752

Discover the ProVia
Product Catalog App



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www.wabco.info/i/1075

ProVia™

Wheel Speed Sensor

A wheel speed sensor (WSS) is a device designed to read the speed of a vehicle's wheel rotation. The system also monitors the proper functioning of a range of features, including brake performance, ensuring vehicle safety. ProVia wheel speed sensors are contactless and use alternating voltage outputs to correspond to the actual wheel speed rotation, passing the information to the vehicle's electronics system.

About

- ProVia wheel speed sensors have an universal design to cover a majority of OE applications
- A unique clamping bush and grease pack is included for all variants
- With 17 variants, ProVia is able to serve a range of about 130 OEM cross references

Key Features

- A short coil twist design ensures reduced noise generated to the ECU which avoids malfunction
- A robust crimped connection between sensor head and cable
- Performs reliably in temperatures up to 150 °C

Standards & Quality

- Mounting: Standard Head Dimensions
- Interface: Standard End Connectors
- Thermal range: coil area: -40 °C ... +200 °C
sensor head: -40 °C ... +150 °C
sensor cable: -40 °C ... +180 °C
end connector: -40 °C ... +80 °C



Feature	OE Original	ProVia	Aftermarket Average*
Cable life time (hours)			
Coil resistance (Ohm)			
Induced voltage (mV)			
Insulation Resistance (Ohm)			
Engineering and Testing			
Production / Origin			

* Average low specification alternative product

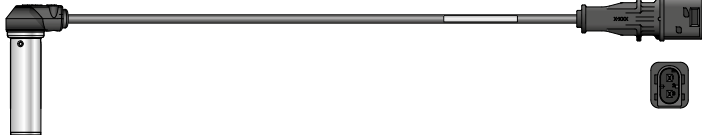


90° sensor



Straight sensor

ProVia Wheel Speed Sensor

Product	Code plug	Length	ProVia number
		400 mm	PRO 032 000 0
		1000 mm	PRO 032 001 0
		1500 mm	PRO 032 002 0
		2050 mm	PRO 032 003 0
		2050 mm	PRO 032 004 0
		1650 mm	PRO 032 005 0
		2675 mm	PRO 032 006 0
	A	1940 mm	PRO 032 007 0
	B	1400 mm	PRO 032 008 0
		350 mm	PRO 032 009 0
		1700 mm	PRO 032 010 0
		3000 mm	PRO 032 011 0
	A	1650 mm	PRO 032 012 0
	C	2675 mm	PRO 032 013 0
	A	4100 mm	PRO 032 014 0
	B	2650 mm	PRO 032 015 0
	A	1500 mm	PRO 032 016 0

Cross References ProVia Wheel Speed Sensor

OE brand	OE number
PRO 032 000 0	
DAF	1315698 1361393 1504951 1518724 1778552 1778554
Daimler	A0025423118
EvoBus	A0025423118
Iveco	500070461 5801115879 9441032808
MAN	ZG005610007
Mercedes-Benz	A0025423118 A15-0101
Otokar	16N00-05728-BA
Paccar	1361393 1504951 1778554
Renault	5010604322 5021170121 5021170122
Scania	1934568 1934570 2090021 2149659
Solaris Bus	1102905340
PRO 032 001 0	
DAF	1504929 1506003
Ford	98CT2B372AA
Hyundai	946007A150
Iveco	4460000009
Paccar	1504929 1506003
Renault	5010422332 5021170123
Scania	1934569 2090023

OE brand	OE number
PRO 032 002 0	
Daimler	A0015426818 A0015427818 A0025422518
EvoBus	A0015426818 A0015427818 A0025422518
Mercedes-Benz	A0015426818 A0015427819 A0025422518
Paccar	1529040
PRO 032 003 0	
DAF	1505215 1518008
Daimler	A0015423118 A0015428718
EvoBus	A0015423118 A0015428718 A68054200418
Hyundai	946007A050
Iveco	5006010272
MAN	81271206117
Mercedes-Benz	A0015423118 A0015428718
Neoplan	81271206117
Paccar	1505215 1518008
Renault	5010422334
Scania	2090022
Solaris Bus	720387939
Tata Daewoo	3879500610
PRO 032 004 0	
DAF	1524828
Iveco	41200560 41200561
Paccar	1524828
PRO 032 005 0	
Scania	1892051

OE brand	OE number
PRO 032 006 0	
Scania	1892053
PRO 032 007 0	
DAF	1850203 1862600 1870628
Daimler	A0075427218
PRO 032 008 0	
DAF	1862602 1869290
PRO 032 009 0	
Faun	99707007090
Krone	505820819
MAN	N2255200060
Renault	5021170124
Volvo	WA4410329050
PRO 032 010 0	
DAF	1400071 1506149
Daimler	A0019050400 A0065427618
EvoBus	A0019050400 A0065427618
Ford	7C462B372AA
Hyundai	946007A500 946007A550
Iveco	42554824 504013848
Mercedes-Benz	A0019050400 A0065427618
Nissan	479009X600
Paccar	1400071 1505052
Scania	2090024
Solaris Bus	1021400501
Volvo	21760204

Cross References ProVia Wheel Speed Sensor

OE brand	OE number
PRO 032 011 0	
DAF	1518009 1531495
Daimler	A0015423318 A0015428818 A0015428918 A0025422618 A0025423818
EvoBus	A0015423318 A0015428818 A0015428918 A0025422618 A0025423818
Mercedes-Benz	A0015423318 A0015428818 A0015428918 A0025422618 A0025423818
Paccar	1518009
Solaris Bus	920100080

OE brand	OE number
PRO 032 012 0	
Scania	1892057
PRO 032 013 0	
Scania	1892058
PRO 032 014 0	
Renault	21361881
Volvo	20509869 21361881
PRO 032 015 0	
Renault	21361893
Volvo	20509865 21361884 21361893

OE brand	OE number
PRO 032 016 0	
Renault	21296829 7421296829
Volvo	21296829

Brake Chamber

With ProVia's brake chamber, the air pressure is converted efficiently into mechanical output force to brake the vehicles. ProVia provides customers another cost attractive and TÜV certificated option of Brake Chamber with outstanding performance and trustworthy operation.

About

- ProVia Brake Chamber has an universal design to cover multiple OE devices/applications
- Reliable and longer lasting operating cycle with high corrosion resistance compared to other budget brake chambers
- Better quality in preventing leakage from the air chamber
- Wide range of working temperature tolerance

Key Features

- Up to 1 million life cycles for chamber
- 96 hours corrosion resistance
- Working temperature: -40 °C ... +80 °C
- Maximum working pressure: 10.2 bar

Standard & Quality

- TÜV certificate
- Stroke length 57.0/63.5/76.2 mm



Feature	OE Original	ProVia	Aftermarket Average*
Quality			
Product life time Service chamber (cycles)			
Corrosion resistance (hours)			
Leakage (cm ³ / min)			
Engineering and Testing			

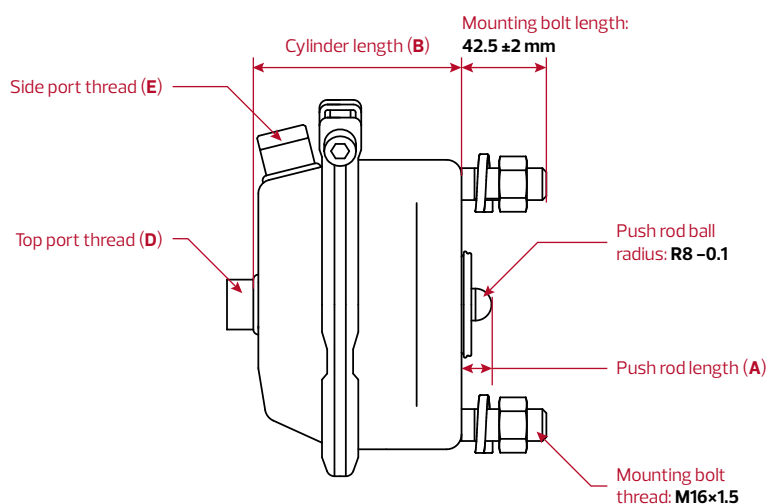
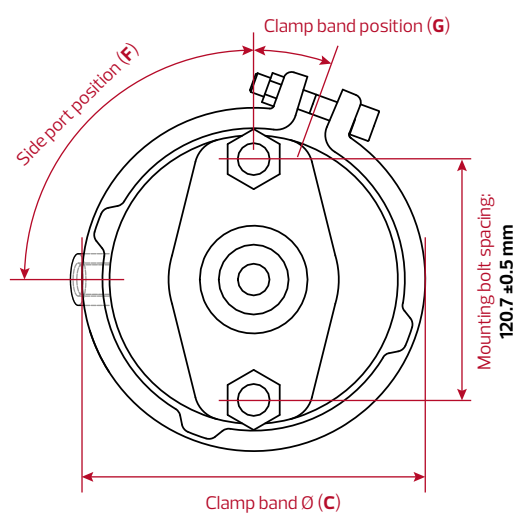
* Average low specification alternative product



Brake Chamber Disc

ProVia Brake Chamber Disc – Dimensions and technical details

ProVia number	Type	Stroke	Push rod length (A)	Cylinder length (B)	Clamp band Ø (C)	Port / Fitting		Position	
						Top (D)	Side (E)	Side port (F)	Clamp band (G)
PRO 714 330 0	16	57.0 mm	15±0.5 mm	102 mm	Ø 172 mm	–	M16×1.5 / –	90°	45°
PRO 714 710 0	16	57.0 mm	15±0.5 mm	102 mm	Ø 172 mm	M16×1.5 / –	M16×1.5 / –	0°	20°
PR 0714 019 0	20	63.5 mm	15±0.5 mm	108 mm	Ø 179 mm	M16×1.5 / –	M16×1.5 / –	0°	20°
PRO 714 020 0	20	57.0 mm	15±0.5 mm	102 mm	Ø 179 mm	M16×1.5 / –	–	–	90°
PRO 714 030 0	20	63.5 mm	15±0.5 mm	108 mm	Ø 179 mm	M12×1.5 / –	M22×1.5 / NG12 Voss 232	125°	50°
PRO 714 241 0	24	63.5 mm	15±0.5 mm	108 mm	Ø 189 mm	M16×1.5 / –	M16×1.5 / –	0°	20°
PRO 714 242 0	24	63.5 mm	15±0.5 mm	108 mm	Ø 189 mm	M12×1.5 / –	M22×1.5 / NG12 Voss 232	30°	90°
PRO 714 244 0	24	76.2 mm	20±0.5 mm	118 mm	Ø 189 mm	–	M22×1.5 / –	180°	90°
PRO 714 245 0	24	76.2 mm	26±0.5 mm	107 mm	Ø 189 mm	–	M22×1.5 / –	90°	167°



Cross References ProVia Brake Chamber Disc

OE brand	OE number
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PRO 714 019 0

BPW	0203277400 0203277500 0544434010 0544434020
DAF	1517954
Doll	7054446
EvoBus	A0074201224
Kässbohrer	21151205030
Knorr-Bremse	BS3404 II31098
Kögel	337900
Lohr	WA4235050000
MAN	N2504016063
Mercedes-Benz	A0074201224
Noteboom	14315 1456901
Paccar	1517954
SAF	3454106760 3454108260 4454106760 4454108260
Scania	1932639
Schmitz	1020756
Volvo	WA4235050000

PRO 714 020 0

DAF	1524853
ERF	81511016384
Knorr-Bremse	BS3417
MAN	81511016384 81511019384
Neoplan	81511016384

PRO 714 030 0

Haldex	120920326
Knorr-Bremse	BS3401 BS3435 II38414FN00 K004171N00 K004486N00
Mercedes-Benz	A0054206824 A0084201524
Renault Trucks	5021204036

OE brand	OE number
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PRO 714 241 0

Alexander Dennis	AB4235061430
BPW	0203277800 0203277900 0544436010 0544436020
DAF	1517956
Doll	7054433
EvoBus	A0074201424
FAW	3519015DA1S
Iveco	500590336
Knorr-Bremse	1.18867
Kögel	337902
Lohr	WA4235060010
Mercedes-Benz	A0074201424
Noteboom	1664253 17157
Paccar	1517956
SAF	3454106960
Scania	1542896 1932640
Volvo	3177339 70330019 WA4235060010

PRO 714 242 0

Haldex	120924321
Knorr-Bremse	BS3514 K002624 K002624N00 K003996N00
Mercedes-Benz	005 420 7724 005 420 8324 008 420 0624

PRO 714 244 0

Knorr-Bremse	BS3536 BS3536 II37133 K015589N00
MAN	81511016434 81511016498

PRO 714 245 0

Knorr-Bremse	BS3526 II32723 K015591N00
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OE brand	OE number
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MAN	81511016425 81511016491
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PRO 714 330 0

Knorr-Bremse	BS3300 II14535
Mercedes-Benz	54203924 74207424

PRO 714 710 0

Ashok Leyland	445332068
BPW	0203277000 0203277100 0544432010 0544432020
DAF	1505241
EvoBus	A0064205224
Frühauf	AJV4526
Goldhofer	169345
Haldex	125160001
Hendrickson	4231047100
Kempf	2001001 2001036
Knorr-Bremse	II14535 II37140
Kögel	334652
Krone	5812866 58128660 505812866 5058128660
Mercedes-Benz	A0064205224 A0064205224
Noteboom	14338 1815504
Paccar	1505241
SAF	3454106560 3454108160 4454106560 4454108160
Sauer-Werkzeug	3454106560 3454108160
Scania	1932621
Valx	50397001
Volvo	WA4231047100

Spring Brake Actuator

Spring brake actuators consist of both a service and a parking chamber. The air pressure applied into the service chamber is converted into mechanical output force. The parking chamber provides the mechanical braking force to park the vehicle. In addition, a mechanical release arrangement is provided in the unit to release the parking brake after brake failure.

About

- Universal design to cover a wide range of OE applications
- Company engineers concluded that ProVia spring brake actuators show a much higher corrosion resistance, higher max. operating pressure (13 vs. 10 bar) and higher OEM coverage in comparative tests with similar budget parts
- With only few variants, ProVia is able to serve an impressive range of more than 200 OEM cross references

Key Features

- Much longer lifetime and better corrosion resistance reduces the replacement rate of this component compared to other budget parts
- Internal Breathing Valve (IBV) provides clean and dry air protection against aggressive environmental conditions extending the lifetime of the device. Most competitor chambers breathe with external holes in the rear housing

Standards & Quality

- Max. Operation pressure up to 13 bar
- Stroke length 57 / 65



Feature	OE Original	ProVia	Aftermarket Average*
Quality			
Product life time (cycles)			
Corrosion resistance (hours)			
Leakage -40 °C (cm ³ /min)			
Leakage +80 °C (cm ³ /min)			
Engineering and Testing			
Production / Origin			

* Average low specification alternative product



Spring Brake Actuator Cam

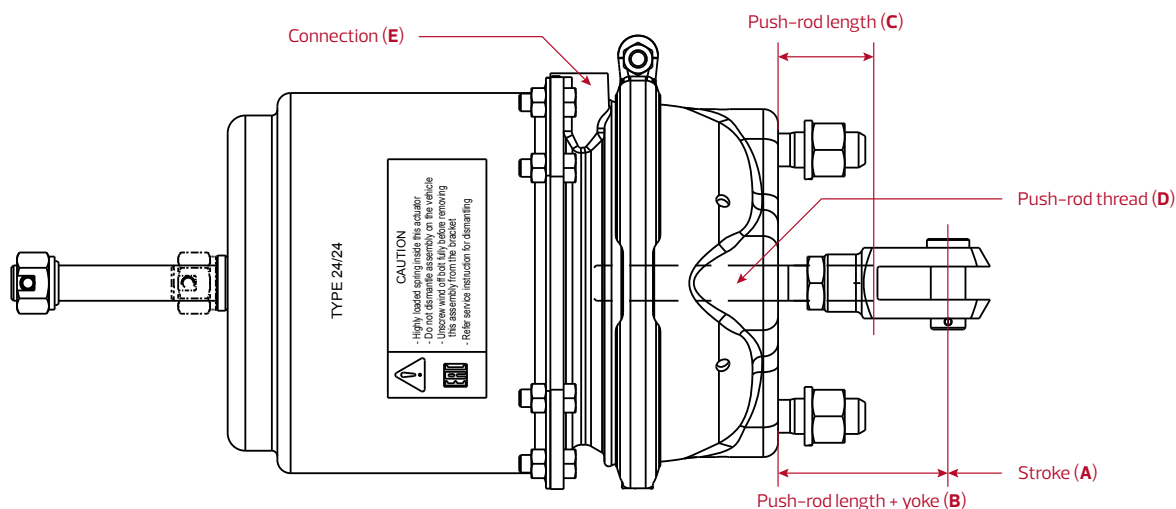


Spring Brake Actuator Disc

ProVia Spring Brake Actuator Cam

Force of return spring: **190 N**, Output pressure: **6.5 bar**, Shape Non Pressure Chamber: **cross**

ProVia number	Type	Stroke (A) [mm]	Push-rod length [mm]		Push-rod thread (D)	Type of fixing yoke	Connection (E)		Port: Working pressure [P _e max.]	Output force [kN]	
			+ yoke (B)	without yoke (C)			Port / Fitting	Specification		Service brake	Spring brake
PRO 420 0010	20/24	57/57	75	45.80	M16×1.5	Screwed	M22×1.5 / M22×1.5	JED-388-0	11 / 12: 10 bar (13 bar)	7.8	6.8-11.0
PRO 421002 0	24/24	57/57	290	257.45	M16×1.5	Screwed	M22×1.5 / M22×1.5	JED-388-0	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	9.0	6.8-11.0
PRO 421004 0	24/30	65/65	77	44.40	M16×1.5	Screwed	M16×1.5 / M16×1.5	JED-152	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	9.0	8.6-15.5
PRO 430 0010	20/24	65/65	70	37.00	M16×1.5	Screwed	M16×1.5 / —	JED-152	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	7.8	5.8-10.0
PRO 4310010	24/24	65/65	77	44.65	M16×1.5	Screwed	M16×1.5 / —	JED-152	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	9.0	5.8-10.0
PRO 432 0010	30/24	65/65	—	75.00	M16×1.5	Screwed	M16×1.5 / —	JED-152	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	12.1	6.5-11.0
PRO 4910010	24/24	65/65	298	248.65	M16×1.5	Screwed	M16×1.5 / —	JED-464-0	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	9.0	5.8-10.0
PRO 491002 0	24/24	57/57	37	11.00	Ø16	Welded	M22×1.5 / VOSS 232	JED-388-3	11 / 12: 10 bar (13 bar)	9.0	5.8-10.0
PRO 491003 0	24/24	57/57	290	257.45	M16×1.5	Screwed	M22×1.5 / VOSS 232	JED-388-3	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	9.0	5.8-10.0
PRO 491004 0	24/30	65/65	90	58.00	M16×1.5	Screwed	M16×1.5 / M16×1.5	JED-464-0	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	9.0	8.0-13.0
PRO 492 0010	30/24	65/65	58	20.50	Ø16	Welded	M16×1.5 / —	JED-152	11 / 12: 10 bar (13 bar)	12.1	6.5-11.0
PRO 492 002 0	30/24	65/65	—	75.00	M16×1.5	Screwed	Rc 3/8 / —	ISO-7-1	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	12.1	7.5-10.0
PRO 492 003 0	30/30	65/65	37	10.90	Ø 16	Welded	M22×1.5 / VOSS 232	JED-388-0	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	12.1	8.0-13.0
PRO 492 005 0	30/30	65/65	92	59.00	M16×1.5	Screwed	M16×1.5 / M16×1.5	JED-152	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	12.1	8.0-13.0
PRO 492 006 0	30/30	65/65	285	252.90	M16×1.5	Screwed	M16×1.5 / M16×1.5	JED-152	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	12.1	8.0-13.0
PRO 499 0010	27/24	65/65	—	247.00	M16×1.5	Screwed	M16×1.5 / —	JED-464-0	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	11.1	7.5-10.0



ProVia Spring Brake Actuator Disc

Force of return spring: **220 N**, Output pressure: **6.5 bar**, Shape Non Pressure Chamber: **oval**

ProVia number	Type	Stroke [mm]	Push-rod length [mm]	Connection		Port: Working pressure [P _e max.]	Output force [kN]	
				Port / Fitting	Specification		Service brake	Spring brake
PRO 4611010	24/24	65/65	15	M16×1.5 / –	JED-152	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	9.0	5.5-10
PRO 480 010 0	20/24	65/65	15	M22×1.5 / VOSS 232	JED-388-3	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	7.7	5.5-10
PRO 481012 0	24/24	65/65	15	M22×1.5 / VOSS 232	JED-388-3	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	9.0	5.5-10
PRO 481050 0	24/24	65/65	15	M16×1.5	JED-464-0	11: 10 bar (13 bar) 12: 8.5 bar (11 bar)	9.0	5.5-10

Cross References ProVia Spring Brake Actuator

OE brand	OE number
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PRO 420 001 0

DAF	1505191R 1519152
MAN	81504106607 81504106703 81504106704
Mercedes-Benz	A0164204018

PRO 421 002 0

DAF	0867215R 1487296 1487296R 1519158 1523549 1523549R 867215
EvoBus	A0234204918
Faymonville	84233
Liebherr	571538008
MAN	81504106608 81504106609 81504106610
Scania	1935401 1935471 2089719
Schmitz Cargobull	1020765 1020766
Terberg Benshop	V1573854

PRO 421 004 0

Daf	1506390
Scania	1446052
Volvo	20986736 20986737

OE brand	OE number
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PRO 430 001 0

DAF	1505114R 1505198R 1519176R
Scania	1313803 1313813 1313829 1313830 1446036 1446037 1446038 1446039 1446040 1505333 1740206 1935409 1935410 570823 570830 571145 571775 571776 571777

PRO 431 001 0

DAF	1505115R 1505199R
Scania	1313819 1313821 1313822 1372909 1372910 1372911 1412859 1412860 1446042 1446043 1446048 1446049 1446050 1505334 1505335 1505336

OE brand	OE number
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	1734796 1903631 1935411 570834 570835 570844 570845 571778 571784
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PRO 432 001 0

EvoBus	A0114205818 A0114205918 A0144200018 A0144200118
Knorr-Bremse	II37276
Mercedes-Benz	A0114205818 A0114205918 A0114209118 A0144200018 A0144200118
Scania	1313823 1367493 1446056 2385751 571788
Scania	1505338
Volvo	20466209

PRO 461 101 0

DAF	884491
Fontenax	2100382 2100383
Gigant	19123 19124 19125

ProVia™

Cross References ProVia Spring Brake Actuator

OE brand	OE number
Iveco	500590358
Lecitrailer	4112029
Liebherr	10218885 11080017
Mercedes-Benz	A0244200918 A0244201018
Nooteboom	1664248 1664252
Scania	1935452 2079867 8500253
Terex-Demag	19920112
Volvo	20386381 20386416 20401590 20401591 20409105 20466070 20466071 20466072 20466073 3197932 3197933 3987614 8113459 85000253

PRO 480 010 0

DAF	1506681 1519442 1524581 1530832 1530833
Mercedes-Benz	A0204203318 A0204203418 A0204203518 A0204203618
Rosenbauer	542529 542530
Scania	2131116

PRO 481 012 0

DAF	1519378
EvoBus	A0234208518
Mercedes-Benz	A0154209318 A0194205618 A0194205718 A0234205318 A0234205418 A0234207018 A0234207118 A0234208118 A0234208218

OE brand	OE number
	A0234208318 A0234208418 A0234208618

PRO 481 050 0

DAF	1527168R 1527601R 1528230R
Renault	20533213 20573922 20573923 20809444 20809445 21283616 21283617 21283618 21326197 21326198 21326201 21326202 21596228 21596229 22080447 22080448 24425719 24425720 7420522028 7420522029 7420533213 7420573922 7420573923 7420721845 7420809445 7421283616 7421283617 7421283618 7421326201 7421326202 7421401943 7421401944 7421596228 7421596229 7422080447 7422080448 7424425719 7424425720

Scania	1935462
Terberg Benshop	33185 V21596226 V21596227

Volvo	20522028 20522029 20522030 20522031 20721845 20721846 20721847 20742392 20742393 20742394 20844352
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OE brand	OE number
	20844353 21283628 21283629 21323797 21326199 21326200 21326203 21423487 21444612 21596226 21596227 21752714 21752715 21869990 22080445 22080446 22273774 22273775 85000466 85000607 85000635 85003834

PRO 491 001 0

DAF	1505463R
Renault	20713921 20713922 22080435 7420533196 7420533199 7420713921 7420713922 7420815460 7420974639 7420974642 7421380908 7422080435

Scania	1935413
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Volvo	20533195 20533196 20533197 20533198 20533199 20533200 21011720 21011721 21011722 21027722 21027725 21027732 21027734 21794667 21795851 21988040 22067390 22067391 22080434 22152604
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Cross References ProVia Spring Brake Actuator

OE brand	OE number
	22303995
	22303997
	85000576
	85000580
	85000581
	85003171
PRO 491 002 0	
Mercedes-Benz	A0194209118
	A0194209218
PRO 491 003 0	
Mercedes-Benz	A0194207718
	A0194207818
PRO 491 004 0	
Meritor	20533205
Paccar	1529084
Volvo	20533205
PRO 492 001 0	
Kamaz	960-3519300
PRO 492 002 0	
Hino	S49UO-EOF60
	S49UO-E0J20

OE brand	OE number
UD Trucks	44320NA03A
	44320NA03B
PRO 492 003 0	
Daimler	A0194208118
	A0194208218
	A0194209918
	A0204200018
PRO 492 005 0	
GAZ	9254920000
MAZ	9254920000
Scania	1446059
	1734797
PRO 492 006 0	
DAF	1270263
	1519162
	1526572
Daimler	0004209624
	0004209724
EvoBus	A0134206718
	A0134206818
Goldhofer	151118
Iveco	5010260188

OE brand	OE number
Kögel	320136
MAN	81.50410-6146
	81.50410-6674
Renault	5010260186
	5010260187
	5010260188
	5010260348
	5010260349
Scania	1935403
	1935448
PRO 499 001 0	
MERITOR	3276-X-1142
	3276-Y-1143
Renault	21994025
	5010216959
	5010251265
	5010260960
	7421994025
Volvo	20533210
	20533211
	21569207
	21988037
	21994025
	21994026

Double Diaphragm Spring Brake Actuator

Double diaphragm spring brake actuator (DDSB) consists of service brake chamber and a spring brake chamber. The air pressure applied into the service chamber is converted into mechanical output force. The spring chamber provides the mechanical braking force to park the vehicle. In addition, a mechanical release arrangement is provided in the unit to release the parking brake after brake failure. ProVia offers a cost attractive, high performance spring brake actuators for commercial vehicles.

About

- ProVia DDSB have an universal design to cover a wide range of OE applications
- Offers a significantly longer lifetime in terms of operating cycles and better corrosion resistance compared to many other budget actuators

Key Features

- Up to 1 million lifecycles for service chamber, up to 200,000 cycles on park chamber
- 96 hours corrosion resistance
- Working temperature: -40 °C to +80 °C
- Crimp design on spring brake chamber for customer safety
- Variants with yoke available

Standards & Quality

- Complying with required standards (TÜV, SAE, QCT)



Double Diaphragm Spring Brake Actuator Disc with Extension pipe



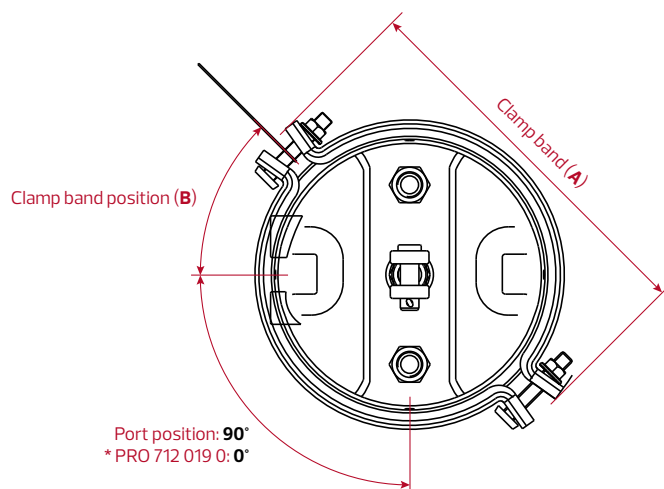
Double Diaphragm Spring Brake Actuator Cam

Feature	OE Original	ProVia	Aftermarket Average*
Quality			
Product life time Service chamber (cycles)			
Product life time Park chamber (cycles)			
Corrosion resistance (hours)			
Leakage (cm ³ / min)			
Engineering and Testing			

* Average low specification alternative product

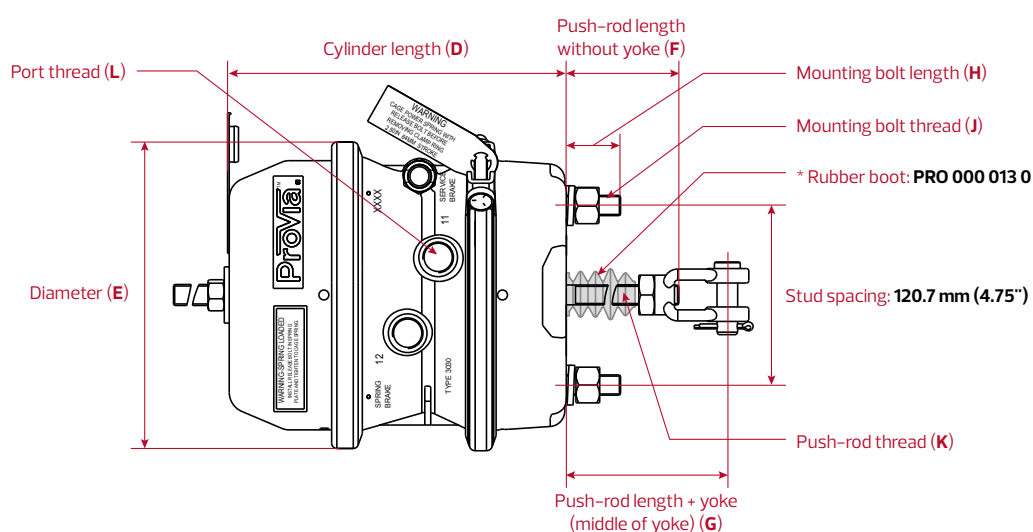
ProVia Double Diaphragm Spring Brake Actuator Cam – Technical details

ProVia number	Size	Stroke	Yoke	Standard	Pressure		Clamp band (A)	Clamp band position (B)
					Working	Maximum		
PRO 000 006 0	30/30	63.5 mm	✓	QCT	8.0 bar	10.0 bar	262 mm	90°
PRO 000 007 0	30/30	76.2 mm	✓	QCT	8.0 bar	10.0 bar	262 mm	90°
PRO 000 008 0	20/30	76.2 mm	✓	SAE & TÜV	8.5 bar	10.0 bar	224 mm	45°
PRO 000 009 0	24/30	76.2 mm	✓	SAE & TÜV	8.5 bar	10.0 bar	234 mm	45°
PRO 000 010 0	30/30	76.2 mm	✓	SAE & TÜV	8.5 bar	10.0 bar	262 mm	45°
PRO 000 011 0	24/30	76.2 mm	–	SAE & TÜV	8.5 bar	10.0 bar	234 mm	45°
PRO 000 012 0	30/30	76.2 mm	–	SAE & TÜV	8.5 bar	10.0 bar	262 mm	45°
PRO 000 013 0	30/30	76.2 mm	–	SAE & TÜV	8.5 bar	10.0 bar	262 mm	45°
PRO 000 017 0	30/30	63.5 mm	✓	QCT	8.0 bar	10.0 bar	262 mm	45°
PRO 000 018 0	24/30	63.5 mm	✓	SAE	8.0 bar	10.0 bar	230 mm	45°
PRO 392 200 0	30/30	63.5 mm	✓	SAE	8.0 bar	10.0 bar	249 mm	90°
PRO 392 201 0	30/30	63.5 mm	✓	SAE	8.0 bar	10.0 bar	249 mm	45°
PRO 392 202 0	24/30	63.5 mm	✓	SAE	8.0 bar	10.0 bar	232 mm	45°
PRO 392 203 0	30/30	63.5 mm	✓	SAE	8.0 bar	10.0 bar	249 mm	40°
PRO 392 204 0	30/30	63.5 mm	✓	SAE	8.0 bar	10.0 bar	249 mm	40°
PRO 393 100 0	30/30	3.00"	✓	SAE	116 psi	145 psi	9.8"	45°
PRO 393 101 0	30/30	3.00"	✓	SAE	116 psi	145 psi	9.8"	45°
PRO 393 102 0	30/30	3.00"	✓	SAE	116 psi	145 psi	9.8"	45°
PRO 393 103 0	30/30	3.00"	✓	SAE	116 psi	145 psi	9.8"	45°
PRO 393 200 0	30/30	2.50"	✓	SAE	116 psi	145 psi	9.8"	45°
PRO 393 201 0	30/30	2.50"	✓	SAE	116 psi	145 psi	9.8"	45°
PRO 393 202 0	30/30	2.50"	✓	SAE	116 psi	145 psi	9.8"	45°
PRO 393 203 0	30/30	2.50"	✓	SAE	116 psi	145 psi	9.8"	45°
PRO 393 204 0	30/30	2.50"	✓	SAE	116 psi	145 psi	9.8"	45°
PRO 712 019 0 *	24/30	63.5 mm	✓	SAE	8.0 bar	10.0 bar	230 mm	45°



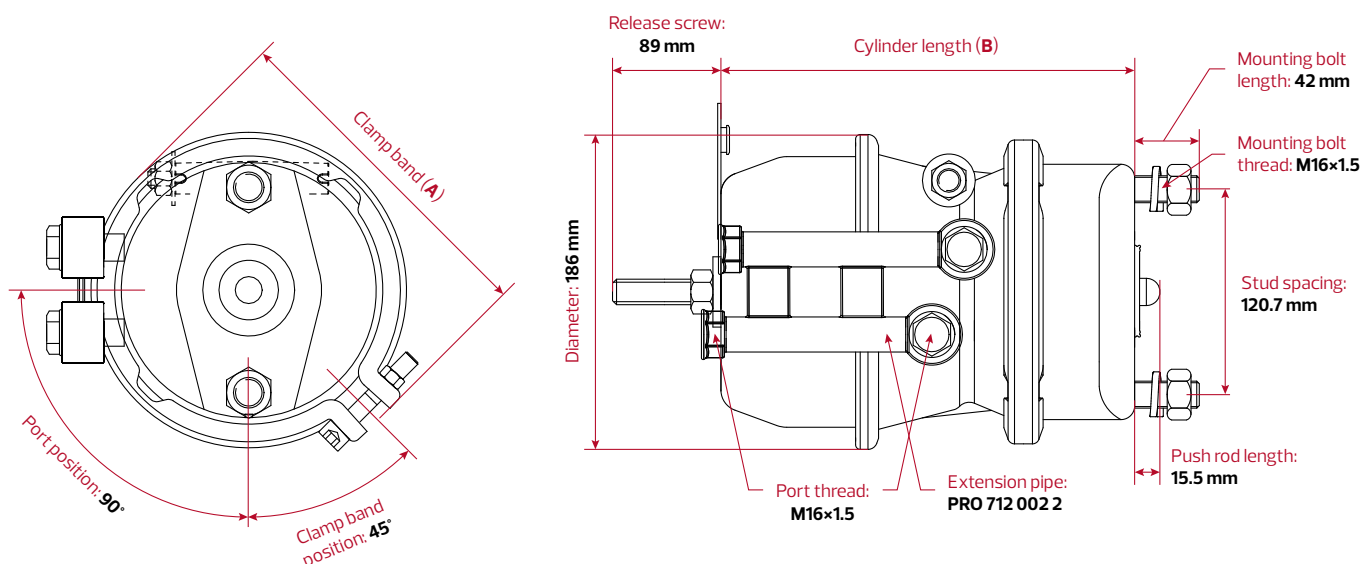
ProVia Double Diaphragm Spring Brake Actuator Cam – Dimensions

ProVia number	Length (D)	Diameter (E)	Push-rod length (F)	Push-rod length + yoke (G)	Mounting bolt length (H)	Mounting bolt (J)	Thread Push-rod (K)	Port (L)
PRO 000 006 0	227 mm	208.5 mm	230 mm	260 mm	38 mm	M16×1.5	M16×1.5	3/8-18 NPTF
PRO 000 007 0	256 mm	208.5 mm	187 mm	227 mm	38 mm	M16×1.5	M16×1.5	M16×1.5
PRO 000 008 0	261 mm	208.5 mm	198 mm	251 mm	43 mm	M16×1.5	M16×1.5	M16×1.5
PRO 000 009 0	261 mm	208.5 mm	226 mm	279 mm	38 mm	M16×1.5	M16×1.5	M16×1.5
PRO 000 010 0	268 mm	208.5 mm	235 mm	288 mm	38 mm	M16×1.5	M16×1.5	M16×1.5
PRO 000 011 0	261 mm	208.5 mm	226 mm	–	38 mm	M16×1.5	M16×1.5	M16×1.5
PRO 000 012 0	268 mm	208.5 mm	235 mm	–	38 mm	M16×1.5	M16×1.5	M16×1.5
PRO 000 013 0 *	268 mm	208.5 mm	235 mm	–	38 mm	M16×1.5	M16×1.5	M16×1.5
RRO 000 017 0	227 mm	208.5 mm	200 mm	230 mm	38 mm	5/8-11 UNC2A	5/8-18 UNF2A	3/8-18 NPTF
PRO 000 018 0	234 mm	208.5 mm	169 mm	222 mm	38 mm	M16×1.5	M16×1.5	M16×1.5
PRO 392 200 0	231 mm	206.0 mm	248 mm	279 mm	37 mm	5/8-11 UNC2A	5/8-18 UNF2A	3/8-18 NPTF
PRO 392 201 0	231 mm	206.0 mm	200 mm	230 mm	37 mm	5/8-11 UNC2A	5/8-18 UNF2A	3/8-18 NPTF
PRO 392 202 0	228 mm	206.0 mm	248 mm	279 mm	37 mm	5/8-11 UNC2A	5/8-18 UNF2A	3/8-18 NPTF
PRO 392 203 0	231 mm	206.0 mm	179 mm	211 mm	37 mm	M16×1.5	M16×1.5	3/8-18 NPTF
PRO 392 204 0	231 mm	206.0 mm	179 mm	211 mm	37 mm	M16×1.5	M16×1.5	M16×1.5
PRO 393 100 0	10.5"	8.21"	1.00"	2.25"	1.50"	5/8-11 UNC2A	5/8-18 UNF2A	3/8-18 NPTF
PRO 393 101 0	10.5"	8.21"	5.55"	6.80"	1.50"	5/8-11 UNC2A	5/8-18 UNF2A	3/8-18 NPTF
PRO 393 102 0	10.5"	8.21"	1.62"	2.88"	1.50"	5/8-11 UNC2A	5/8-18 UNF2A	3/8-18 NPTF
PRO 393 103 0	10.5"	8.21"	11.3"	12.60"	1.50"	5/8-11 UNC2A	5/8-18 UNF2A	3/8-18 NPTF
PRO 393 200 0	9.1"	8.11"	1.00"	2.25"	1.46"	5/8-11 UNC2A	5/8-18 UNF2A	3/8-18 NPTF
PRO 393 201 0	9.1"	8.11"	11.3"	12.50"	1.46"	5/8-11 UNC2A	5/8-18 UNF2A	3/8-18 NPTF
PRO 393 202 0	9.1"	8.11"	9.75"	11.00"	1.46"	5/8-11 UNC2A	5/8-18 UNF2A	3/8-18 NPTF
PRO 393 203 0	9.1"	8.11"	5.50"	6.80"	1.46"	5/8-11 UNC2A	5/8-18 UNF2A	3/8-18 NPTF
PRO 393 204 0	9.1"	8.11"	1.62"	2.87"	1.46"	5/8-11 UNC2A	5/8-18 UNF2A	3/8-18 NPTF
PRO 712 019 0	234 mm	208.5 mm	169 mm	222 mm	38 mm	M16×1.5	M16×1.5	M16×1.5



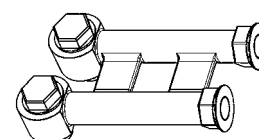
ProVia Double Diaphragm Spring Brake Actuator Disc

ProVia number	Size	Stroke	Extension pipe	Standard	Working pressure		Clamp band (A)	Length (B)
					Service brake	Spring brake		
PRO 712 712 0	16/24"	57.0 mm	—	SAE & TÜV	10.5 bar	8.5 bar	191 mm	235.5 ±5 mm
PRO 712 713 0	20/24"	63.5 mm	—	SAE & TÜV	10.5 bar	8.5 bar	197 mm	243.0 ±5 mm
PRO 712 715 0	16/24"	57.0 mm	PRO 712 002 2	SAE & TÜV	10.5 bar	8.5 bar	191 mm	235.5 ±5 mm
PRO 712 716 0	20/24"	63.5 mm	PRO 712 002 2	SAE & TÜV	10.5 bar	8.5 bar	197 mm	243.0 ±5 mm



The new ProVia pipe extension provide many benefits:

- **High standard of safety:** clear identification of parking and service ports by off-set positioning; avoiding incorrect connection.
- **Cost savings:** fast assembly due to the connections being led out from a cramped installation position. Therefore: the brake hose is easily connected.
- **Easy to handle:** fits even in restricted installation conditions. One of the most compact designs (combination of cylinder and pipe extension) on the market.



ProVia pipe extension
PRO 712 002 2

Cross References ProVia Double Diaphragm Spring Brake Actuator Disc

OE brand	OE number	OE brand	OE number	OE brand	OE number
PRO 712 712 0		PRO 712 713 0		PRO 712 715 0	
BPW	05.444.40.01.0 05.444.40.02.0	BPW	05.444.44.01.0 05.444.44.02.0	BPW	05.444.40.01.3 05.444.40.02.3
Gigant	719001007	Haldex	1352024003 1352024004 346187001	SAF	4454107764
Haldex	1351624004	Knorr-Bremse	BS7400 BS7401 BS7402 BS7403 K159956N00	Sauer	S4541201000
Knorr-Bremse	K159939N00	SAF	4454107830 4454107930 S4541212000	PRO 712 716 0	
Kögel	6609441 6609442	Sauer	S4541212000	BPW	05.444.44.01.3 05.444.44.02.3
Krone	550017680			SAF	4454107830
SAF	4454107230 4454107630 S4541210000			Sauer	S4541211000
Sauer	S4541210000				
Schmitz	1282760				
Valx	50397006				

ProVia™

Brake Pads

Brake pads convert the kinetic energy of the vehicle to thermal energy by friction. The ProVia brake pad portfolio covers the most common air disc brakes in the market. Pad kits partially enriched by accessories ensure a safe fit in major applications in the market.

About

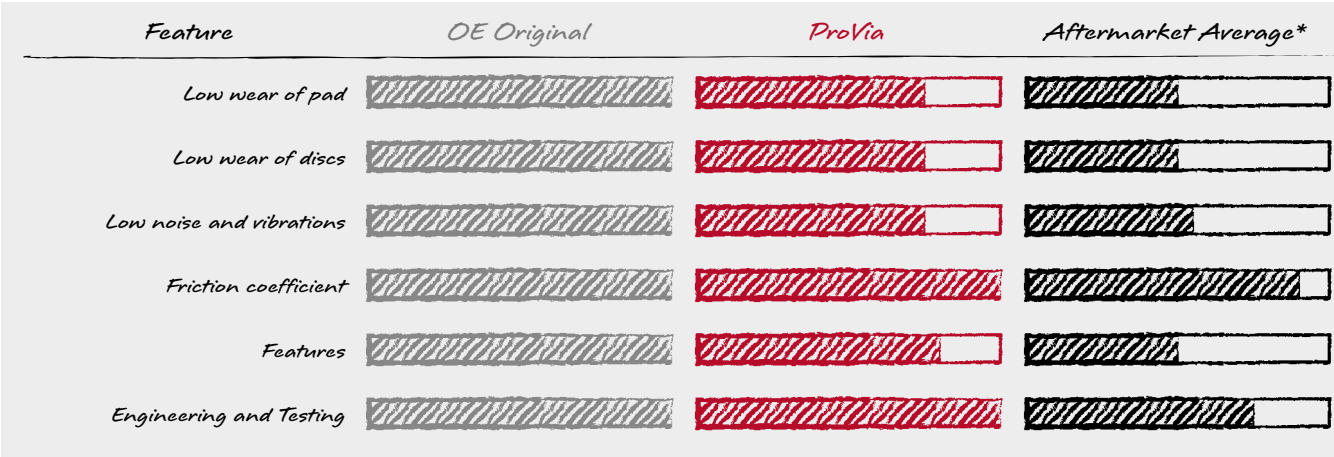
- Highly reliable brake pad portfolio covering major Air Disc Brake applications in the market
- Most brake pads are delivered with adjusted fitting kits to ensure a safe replacement
- Produced in Europe

Key Features

- Universal fit for one brake/size type
- Portfolio consisting of various pad kits covering major brakes in the market as KNORR, WABCO, Meritor, Haldex, Bendix, BPW, TEVES and over 350 OE references

Standards

- Validation according to ECE-R90 standards. In addition to ECE-R90, the brake pads undergo diverse additional tests including the proving of braking performance in several situations (e.g. high stress), targeting high comfort (e.g. pedal feedback) and ensuring reliability and lifetime of disc and pad



* Average low specification alternative product



ProVia Brake Pads

ProVia number	WVA number	Brake application	Accessories
340 175 000 2	29285, 29088, 29091	WABCO PAN™17	6 springs
340 195 000 2	29313, 29126	WABCO PAN™19	6 springs
340 225 000 2	29336, 29162	WABCO PAN™22	6 springs
340 322 000 2	29279	WABCO MAXX™22	6 springs
340 901 050 2	29183, 29115, 29148	KNORR SN 5, SB5	4 springs, 2 bolts, 2 splints, 2 washers, 2 small plastic caps, 2 big plastic caps
340 901 060 2	29095, 29093	KNORR SN6, SB6	4 springs, 2 bolts, 2 splints, 2 washers, 2 small plastic caps, 2 big plastic caps
340 901 061 2	29306, 29165	BPW / KNORR SN6	4 springs, 2 bolts, 2 splints, 2 washers, 2 small plastic caps, 2 big plastic caps
340 901 070 2	29202, 29059, 29061, 29087, 29106, 29108, 29253, 29278	KNORR SN7, SB7	4 springs, 2 bolts, 2 splints, 2 washers, 2 small plastic caps, 2 big plastic caps
340 901 071 2	29308, 29171	BPW / KNORR SK7	4 springs, 2 bolts, 2 splints, 2 washers, 2 small plastic caps, 2 big plastic caps
340 901 072 2	29307, 29167	BPW / KNORR SN7	4 springs, 2 bolts, 2 splints, 2 washers, 2 small plastic caps, 2 big plastic caps
340 901 073 2	29269, 29158	KNORR SK7	4 springs, 2 bolts, 2 splints, 2 washers, 2 plastic caps
340 902 000 2	29277, 29125	Meritor D-DUCO	4 springs, 2 screws
340 902 001 2	29090	Meritor D-LISA	2 springs, 8 small springs, 8 bolts
340 902 002 2	29030, 29053, 29083, 29084, 29113, 29114	Meritor D3, D-ELSA 1	6 springs
340 902 003 2	29131	Meritor D-ELSA 2	6 springs
340 902 004 2	29124	Meritor DX 195	4 springs, 2 bolts, 2 splints, 2 screws, 2 washers
340 902 005 2	29067, 29039, 29302	Meritor	—
340 902 191 2	29177	Meritor VGT 195	—
340 902 192 2	29100	Meritor C-LISA	—
340 902 220 2	29173	Meritor ELSA 225-1	—
340 902 221 2	29174	Meritor ELSA 225-3	—
340 902 222 2	29137	Meritor C-DUCO	—
340 902 223 2	29151	Meritor, DLE-DUCO	—
340 903 220 2	29143	Bendix ESD225, Haldex DB22	2 spring brackets, 4 springs, 4 bolts, 2 caps
340 904 000 2	29122	Brembo 2×60	—
340 904 001 2	29160	Brembo	—
340 904 002 2	29121	Brembo	—
340 904 003 2	29835	Teves	—
340 904 004 2	29581	ATE	—
340 904 005 2	29984	Bendix	—

Cross References ProVia Brake Pads

OE brand	OE number
340 175 000 2	
DAF	1436901
Iveco	1906467 2996430 500055372
MAN	81508206006 81508206020 81508206042
Renault	5001866951 5010848607
340 195 000 2	
DAF	1628064
Dennis	6597421
SAF	3057008000 3057008001
340 225 000 2	
SAF	3057008400 3057008401
Schmitz Cargobull	101449 1195232
340 322 000 2	
MAN	81508206065 81508206066
340 901050 2	
MAN	81508205085 81508206043 81508206054
Mercedes-Benz	14210510 14210610 14212510 14212610 34201120 34201220 34206620 34207220 34207320 4211010 4211210 44206120 A0004211010 A0004211210 A0014210510 A0014210610 A0014212510 A0014212610 A0034201120 A0034201220 A0034206620 A0034207220 A0034207320 A0044206120

OE brand	OE number
340 901060 2	
Fruehauf	M91000101
Gigant	9291072 9291073
Iveco	2992336 2996468
MAN	81508205017 81508205094 81508205098 81508206008 81508206022 81508206058 81508206059 81508206060
Mercedes-Benz	14211710 24207820 24207920 4210710 4210810 4215010 54202320 A0004210710 A0004210810 A0004215010 A0014211710 A0024207820 A0024207920 A0054202320
SAF	3057007800 3057007801 5317002400
340 9010612	
BPW	509290040 509290050 509290100 509290220 980102750 980102930 980106210 980106350 980106430 980107090 980107240 980108150
340 901070 2	
Bova	204552
BPW	536270020 980102570 980102920 980106200 980106360

OE brand	OE number
DAF	1439324 1617343 1797053 1800830 1878030
Iveco	2992348 2992476 2995637 2995809 2995819 2995938 2996378 2996515 41211278 41212279
Kässbohrer	8285515573
Knorr-Bremse	K047865K50
MAN	81508206030 81508206032 81508206033 81508206055 81508206056 81508206061
Mercedes-Benz	2420222010 24204920 34201620 34202020 34202220 34203520 4210510 4214310 44202220 44206020 A0004210510 A0004214310 A002420222010 A0024204920 A0034201620 A0034202020 A0034202220 A0034203520 A0044202220 A0044206020
Neoplan	82135100
Prevost	N8893599
SAE-SMB	M100669 M91004501
SAF	3057007700 3057007701 3057007900 5317002300

Cross References ProVia Brake Pads

OE brand	OE number
Scania	1390428 1521979 1527633 1734529

Schmitz Cargobull 1182462

340 9010712

BPW	509290060 509290080 509290230 980106440 980106950 980107260 980108160
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340 9010722

BPW	509290070 509290090 980106450 980106960 980107250 980108170
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340 9010732

Mercedes-Benz	44207020 A0044207020
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SAF	3057008500 3057008501
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340 902 000 2

Volvo	20768092 20918891 20931343 209313430 20932682 3095396
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340 902 0012

Renault	5001846034 5001865750
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Volvo	20825594 20850194 3093919 85105485 85506111
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340 902 002 2

EvoBus	82854085340
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Kässbohrer	68320504NGZ 8285388435 8285388533 8285408463 8285408534 8285521000 8285522000 8285525000 8285526000
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OE brand	OE number
MAN	81508205006 81508205020 81508205040 81508205047 81508205060 81508205064 81508205066 81508205068 81508205078 81508205087 81508205091 81508206000 81508206002 81508206004 81508206014 81508206016 81508206025 81508206034 81508206036 81508206044 81508206046 81508226044

Mercedes-Benz	24200820 24205520 34208420 A0024200820 A0024205520 A0034208420
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MERITOR	MDP5038 MDP5065
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Renault	5001823000 5001854342
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Setra	8285388435
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340 902 003 2

Irisbus	2996068 5001020312 5006028410
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Iveco	5006028410 503136113 503142454
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MAN	81508205072 81508205080 81508206041 81508206051 81508206052
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MERITOR	68324558 68325346 68326015
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Renault	5001020312 5001855646
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Rockwell	15227419T 68324558NZP
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OE brand	OE number
Volvo	20976509 21309468 85107768

340 902 004 2

MERITOR	MDP1314 MDP5076
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340 902 005 2

Iveco	1906043 1906146 1906297
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Nissan	410609X425
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Renault	5001014704 5001825339 5001873218
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340 902 1912

Renault	5001864380 7420560415 7421496557
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Volvo	20568713 20765963 21496552
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340 902 192 2

Renault	5001833104 5001857615 68321585
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340 902 220 2

Renault	5001864365 7421399915
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Volvo	20560414 20568712 20568715 21352573
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340 902 2212

Renault	5001864363 5001864364 7421399929
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Volvo	20526568 20560412 20568711 20568714 21024701 21024702 21352570 21496550
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Cross References ProVia Brake Pads

OE brand	OE number
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340 902 222 2

Volvo	20768115 3093532
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340 902 223 2

Volvo	20768101 3099533 3198394
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340 903 220 2

Gigant	M91002703 M91002704
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SAE-SMB	9291063 M91002704
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SAF	3057317900
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Scania	725857
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340 904 000 2

Iveco	1906416 42555669
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340 904 001 2

Iveco	2996532 42536101
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Mercedes-Benz	34204620 A0034204620
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Nissan	41060MB225 41060MB625
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Renault	5001844748
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OE brand	OE number
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340 904 002 2

Iveco	1906401 2992339 42535791
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Renault	5001844747 5001850859
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340 904 003 2

Mercedes-Benz	14201520 24205720 24206220 34201520 34204420 34207720 44204820 6694200020 6694200120 6704202820 9054200020 A0014201520 A0024205720 A0024206220 A0034201520 A0034204420 A0034207720 A0044204820 A6694200020 A6694200120 A6704202820 A9054200020
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OE brand	OE number
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340 904 004 2

Mercedes-Benz	14200920 14209220 15866342 34203620 34207420 4207520 A0004207520 A0014200920 A0014209220 A0015866342 A0034203620 A0034207420
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340 904 005 2

Nissan	41060G490A 5000295329 5000815574 69052941 7701203700
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Renault	5001842048
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Chassis Levelling Valve

A chassis levelling valve from ProVia provides suspension control for vehicles fitted with air springs. It precisely modulates compressed air in the suspension bellows as a ratio of the vehicle's load. The chassis levelling valve ensures a constant ride height, charging the air suspension during loading and venting when unloading.

About

- Manufactured in Europe for the global market
- Two-function variants available: basic and height limitation with dual circuit design
- Four variants, compatible with a wide range of OE systems

Key Features

- Push-in coupling fittings in PRO 006 002 0 & PRO 006 004 0 variants
- Supply & delivery (bellow) ports include integrated air filters
- High corrosion resistance, as demonstrated in the 96h Neutral Salt Spray Test
- Highly reliable, long-life durability compared to budget alternatives

Standards & Quality

- In addition to temperature & endurance tests, the chassis levelling valve undergoes diverse additional investigation
- Integrated air filters avoid contamination and ensure excellent functionality



Feature	OE Original	ProVia	Aftermarket Average*
Product life time (cycles)			
Corrosion resistance (hours)			
Leakage -40 °C (cm³ / min)			
Leakage +80 °C (cm³ / min)			
Engineering and Testing			
Production / Origin			

* Average low specification alternative product

ProVia number	PRO 006 001 0	PRO 006 002 0	PRO 006 003 0	PRO 006 004 0
Product				
Variant	height limitation	height limitation	basic	basic
Push-in fittings	—	Ø 8x1.0	—	Ø 8x1.0

Cross References ProVia Chassis Levelling Valve

OE brand	OE number
PRO 006 001 0	
Benalu	F005268
BPW	243113500
DAF	EXABRB613
ERF	1260680
EvoBus	8285499000
Faymonville	3852
Feldbinder	071432
Ford	XCT2K432AA
Fruehauf	CF352131 F005268
Goldhofer	162347
Haldex	612032001
Hendrickson	464/006/100/0
Kässbohrer	21151103151 8285499000
Kempf	2129007
Knorr-Bremse	198289 SV1410
Kögel	318955
Krone	505808613
Langendorf	1111173
Lecitrailer	4110261
Leyland	EXABRB613
Liebherr	503200001
Lohr	A05021256
Mafi	5661833
Meiller	799158/70045868

OE brand	OE number
Nooteboom	3323119
Orthaus	495040
Otokar	F005268
SAF	4425013400
Samro	4000721
Schmitz Cargobull	050637 1103985
Schwarzmüller	27475
Van Hool	637213050
Zorzi	1013140
PRO 006 002 0	
Samro	4001483
PRO 006 003 0	
Benalu	F001572
BPW	243109200
Doll	8143280
ERF	4027060
Faymonville	5139
Feldbinder	001797
Ford	4C462K433AA
Fruehauf	CF351950/F001572 F001572
Goldhofer	157537
Haldex	612017091
Hendrickson	464/006/002/0
Kässbohrer	21151103150
Kalmar	9236180001
Kempf	2129005

OE brand	OE number
Kinglong	229600060
Knorr-Bremse	1119425 SV1307 SV1395
Kögel	312470
Krone	500945035/1
Langendorf	1111172
Lecitrailer	4110201
Liebherr	502918201
Lohr	A05020507
Mafi	5661808
Meiller	795113/39004636
Nooteboom	309101
Orthaus	495039
Renault	5010260213
SAF	04425010400
Samro	4000932
Schmitz Cargobull	055634
Schwarzmüller	21884
Tirsan	21151103150
UD Trucks	53810D9400
Van Hool	10505355
Zorzi	1013120
PRO 006 004 0	
Kögel	6502260
Lohr	A05021228A
Schmitz Cargobull	1118421
Schwarzmüller	86425

Cabin Levelling Valve

A ProVia cabin levelling valve improves driver comfort by maintaining a precise cab position. For cabs fitted with an air suspension system, the CLV will preserve the correct attitude, intelligently adapting to cabin load and a wide range of road conditions.

About

- ProVia CLV variants, compatible with the widest range of trucks and buses across heavy, medium and light duty applications
- Supported by an established global network for fast delivery

Key Features

- Reliable and robust ceramic technology with polymer housing. Excellent corrosion resistance, proven in 96-hour neutral salt-spray tests, offering superior longevity to other budget brands
- Low air consumption and low weight for improved fuel economy, low noise for driver comfort. Reduced wear and low maintenance costs compared to valves with dynamic sealing

Standards & Quality

- Operating pressure: 11 bar
- Max. operating pressure: 14 bar
- Thermal range: -40 °C to +80 °C



* Average low specification alternative product

ProVia number	Fixing length (body + lever)	Body material	Type of lever fixing	Port
PRO 007 0010	177 mm	Plastic	1 fixing hole	Push in fitting Ø 6 mm
PRO 007 003 0	177 mm	Metal	Ball Ø 8 mm, 90° rotated	M10×1.0
PRO 007 007 0	147 mm	Plastic	3 fixing holes	Push in fitting Ø 6 mm
PRO 007 010 0	137 mm	Metal	2 fixing holes	M10×1.0
PRO 007 011 0	171 mm	Metal	Ball Ø 10 mm	M10×1.0
PRO 007 023 0	177 mm	Plastic	1 fixing hole	Push in fitting Ø 6 mm
PRO 007 028 0	171 mm	Plastic	Ball Ø 14.8 mm	Push in fitting Ø 6 mm
PRO 007 030 0	177 mm	Plastic	1 fixing hole	Push in fitting Ø 6 mm
PRO 007 036 0	176 mm	Plastic	Ball Ø 10 mm	Push in fitting Ø 6 mm
PRO 417 004 0	177 mm	Plastic	1 fixing hole	Push in fitting Ø ¼"

Cross References ProVia Cabin Levelling Valve

OE brand	OE number
PRO 007 001 0	
CNHTC	WG1642440051/1
DAF	1505081 759050
DF	5001090-C6100
DFLQ	5001090-C1100
FAW	5001320-Q824A
Ford	3C465C100AA
Iveco	412 113 34 8188642
JAC	64006-Y4010XZ
Kögel	332419
MAN	4134534 81436106129
Renault	5021170189
Scania	1934938
SXQC	81436106129

OE brand	OE number
PRO 007 003 0	
Volvo	20531967
PRO 007 007 0	
Renault	5010260136 7420746465
Volvo	20746465
PRO 007 010 0	
MAN	N2509990136
Renault	5021170191
Scania	1934939
PRO 007 011 0	
Daimler	A0003284530
EvoBus	A0003284530
PRO 007 023 0	
Renault	5010136105 7420746460
Volvo	20746460

OE brand	OE number
PRO 007 028 0	
Foton	H4502A01056A0
PRO 007 030 0	
Beiben	1288910046
CAMC	50H08-01060
FAW	5001075CA/01- C00/B 5001075CA01/A
PRO 007 036 0	
Foton	1B24950201013
PRO 417 004 0	
DTNA	18-28710-000
Paccar	08-02772

Rotary Slide Valve

A rotary slide valve controls the raising and lowering of air-suspension based vehicles with a hand lever. ProVia offers a robust, cost attractive, high performance rotary slide valve.

About

- Universal design that covers the majority of OEM references
- Robust zinc alloy handle for reliable performance and long durability
- Produced in Europe for global needs

Key Features

- High durability based on robust material reduces the replacement rate of this component compared to other budget parts
- High corrosion resistance proven in the 96h Neutral Salt Spray Test
- Low leakage rates for long durability



Feature	OE Original	ProVia	Aftermarket Average*
Product life time (cycles)			
Corrosion resistance (hours)			
Leakage -40 °C (cm ³ /min)			
Leakage +80 °C (cm ³ /min)			
Production / Origin			

* Average low specification alternative product

ProVia number	Push-in fitting	Function	Max. working pressure
PRO 032 020 0	—	—	10.0 bar
PRO 032 120 0	—	Automatic return	8.5 bar
PRO 032 220 0	Ø 8x1.0	—	10.0 bar

OE brand	OE number
PRO 032 020 0	
Benalu	F001882
BPW	243112800
DAF	1506100
EvoBus	8025172000
Goldhofer	159118
Iveco	500002862
Krone	500945047
MAN	81436196006

OE brand	OE number
PRO 032 120 0	
Feldbinder	1016901
Kässbohrer	21151103133
Kögel	338023/0
Krone	505813933
Lecitrailer	4110861
Scania	1934915
Tirsan	21151103133

OE brand	OE number
PRO 032 220 0	
Kögel	6503484
Krone	515003585
Scania	2089913

ProVia™

ECAS Solenoid Valve

In Electronically Controlled Air Suspension, Solenoid valve is the interface between electronic output signals from the electronic control unit and the pneumatic actuating signals for the air suspension bellows.

About

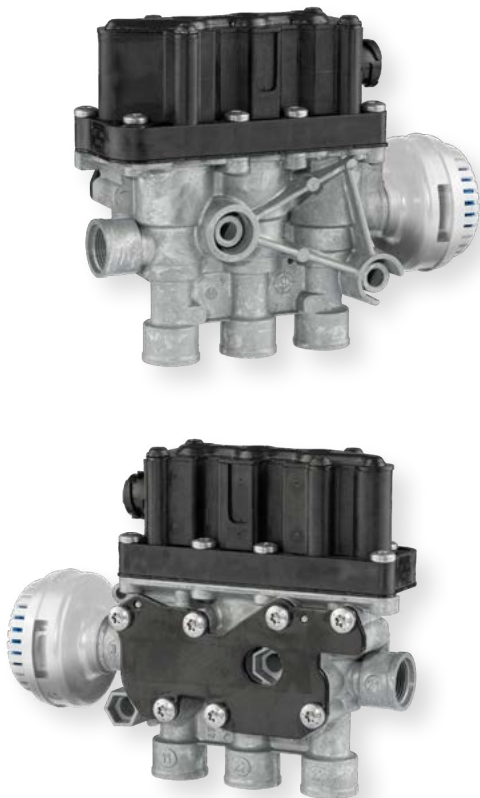
- Eight ProVia ECAS solenoid valve variants, compatible with the wide range of trucks and buses across heavy, medium and light duty applications
- Supported by an established global network for fast delivery

Key Features

- Temperature range: -40 °C to +80 °C
- Working pressure: 5 – 13 bar
- Interface: electric connection type, pneumatic connection type, mounting screws position
- All variants (except PRO 412 004 0 and PRO 412 005 0) with silencer

Standards & Quality

- Port thread M22×1.5 according Voss 230 standard
- Electric pinned connectors according to DIN 72585 standard



Feature	OE Original	ProVia	Aftermarket Average*
Product life time (cycles)			
Leakage -40 °C (cm ³ / min)			
Leakage +80 °C (cm ³ / min)			
Engineering and Testing			
Production / Origin			

* Average low specification alternative product

ProVia ECAS Solenoid Valve

ProVia number	Application	E-connection	Remark
PRO 412 000 0	Rear axle 2-point control (2 distance sensors)	1 bayonet DIN 72585-A1-4.1-Sn/K2	▪ Silencer on port 3
PRO 412 001 0	Rear axle 2-point control (2 distance sensors)	1 bayonet DIN 72585-A1-4.1-Sn/K2	▪ Silencer on port 3 ▪ Port 21 closed
PRO 412 002 0	Rear axle 1-point control (1 distance sensor)	1 bayonet DIN 72585-A1-4.2-Sn/K1	▪ Transverse throttle ▪ Silencer on port 3
PRO 412 003 0	Front axle 1-point control (1 distance sensor)	1 bayonet DIN 72585-A1-3.6-Sn/K2	▪ Transverse throttle ▪ Ventilated via rear axle valve ▪ Silencer on port 3
PRO 412 004 0	Front axle 1-point control (1 distance sensor)	1 bayonet DIN 72585-A1-2.1-Sn/K2	▪ Transverse throttle ▪ Ventilated via rear axle valve
PRO 412 005 0	Front axle 1-point control (1 distance sensor)	1 bayonet DIN 72585-A1-3.6-Sn/K2	▪ Transverse throttle ▪ Ventilated via rear axle valve
PRO 412 006 0	Front axle in buses	1 bayonet DIN 72585-A1-3.6-Sn/K2 1 bayonet DIN 72585-A1-4.1-Sn/K2	▪ Kneeling function ▪ Ventilation function integrated ▪ Silencer on port 3
PRO 412 007 0	Front axle in buses	1 bayonet DIN 72585-A1-3.6-Sn/K2 1 bayonet DIN 72585-A1-4.2-Sn/K2	▪ Kneeling function ▪ Silencer on port 3

Cross References ProVia ECAS Solenoid Valve

OE brand	OE number
PRO 412 000 0	
EvoBus	A0003278525
Hyundai	558028KZZ0
Kia	558028KZZ0
Mercedes-Benz	0003278525
PRO 412 001 0	
Alexander Dennis	661657 AB4729000530 ABA0003276825
Daewoo	3425002880
DAF	1302682 1343254 1505294 1506180 ABRA180 ABRB811
ERF	81259026146
EvoBus	A0003276725
Faymonville	13769
Ford	4C463038AA
Foton	1618029600001

OE brand	OE number
Hyundai	559507K700
Irisbus	41211013 500310195
Irizar	8015530
Isuzu	1825637130
Iveco	41211013 500310195
Kinglong	29Y11-45025
Krone	505820513
Langendorf	1111648
Leyland	1302682 1343254 ABRA180 ABRB811
Lohr	F00257376
MAN	2Z0607361G 81259026146 81259026239 N2259026006
Mercedes-Benz	A0003276725

OE brand	OE number
Neoplan	1101016529 81259026146 81259026239
Orthaus	495068
Paccar	1505294 1506180
Renault	5010143096 5010422345
Scania	1383956 1934983 1934990 1934994
Schmitz	1023612
Schwarzmüller	36833
Solaris Bus	1021402002
VDL Bus	28220102600 41343254 759000177
Volvo	20707211
VW	2Z0607361F
Yutong	350601075

Cross References ProVia ECAS Solenoid Valve

OE brand	OE number
PRO 412 002 0	
Alexander Dennis	AB4729000550
Ashok Leyland	442562004
DAF	1304587 1343255 ABRA090 ABRB810
Doll	7055976 7088657
FAW	2941605-55A
Faymonville	14177
Feldbinder	083184 1042813
Goldhofer	165646
Irisbus	41211012
Isuzu	1825639780
Iveco	41211012
Kässbohrer	21145210032 21150110028
Kinglong	29Y11-45020
Kögel	339077
Krone	505820672/0 5813398
Langendorf	1111649
Leyland	1304587 1343255 ABRA090 ABRB810
Lohr	F00295081
MAN	81259026145 81259026238 81259029145 N2259026005
Meiller	798307/70009948 798857/70193564
Neoplan	81259026145 81259026238
Nooteboom	16062 3478624

OE brand	OE number
Renault	5010457434
Scania	1934984 1934991
Schmitz	052540 1066451 INS033-0018
Schwarzmüller	38091 93651
Tirsan	21145210032 21150110028
VDL Bus	9116823
Volvo	20707214
PRO 412 003 0	
MAN	81259026237 82259026237
Neoplan	81259026237
PRO 412 004 0	
Mercedes-Benz	A0003278425
PRO 412 005 0	
Doll	7093146
ERF	81259026144
Goldhofer	168923
Hyundai	558018R900
Irisbus	41211011
Iveco	41211011
Kia	558018R900
Krone	505821128 5813774
MAN	81259026144 81259029144
Renault	4729000540 5010143097 5010457151
Volvo	20734168

OE brand	OE number
PRO 412 006 0	
Alexander Dennis	662174
DAF	1150130 1525422
EvoBus	A0003279725
Foton	1618029600001
Irizar	8015529
MAN	2Z0601361F
Mercedes-Benz	A0003279725
Shaanxi	6180J-3629112
VDL Bus	41150130 759000174
VW	2Z0601361G
Yutong	3506-01316
PRO 412 007 0	
Hyundai	558018KZZ0
Krone	5813774 5813774/1
MAN	81259026144 81259026230 81259029144
Neoplan	81259026230
Renault	5010143097

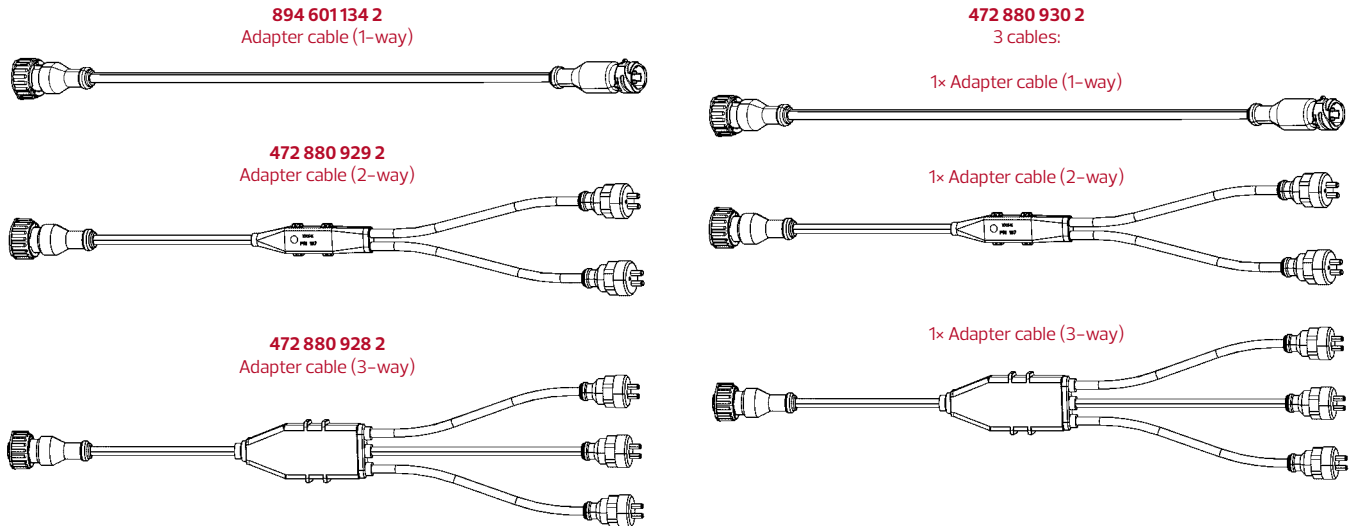
Replacement of ECAS1 valves by ProVia ECAS3 valves

Overview of repair kit types

A smooth changeover from an ECAS1 to an ECAS3 valve requires specific repair kits. You would need up to 3 repair kits to assure proper integration of the ECAS3 valve in the ECAS system of a vehicle. The repair kit types are shown below, grouped by their function.

Solenoid valve connection

Repair kits are used to enable the transition from a M27 single solenoid type (ECAS1) to DIN bayonet solenoids (ECAS3).

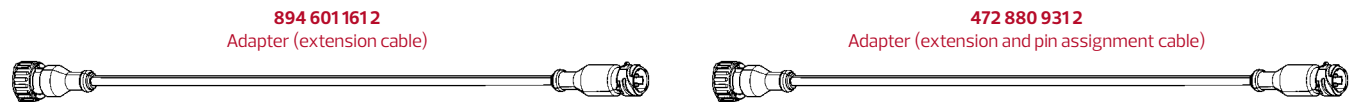


Electrical connection

Repair kits assure the proper electrical port connection.

Repair kit 894 601161 2 works as an extension and sets the pin assignments in the appropriate way.

Repair kit 472 880 931 2 – without extension – also converts the pin assignment in a socket.



Voss connection

Specific ECAS1 variants have a M16×1.5 Voss pneumatic supply port while the ECAS3 are equipped with an M22×1.5 Voss port. The repair kits enable a reduction from M22×1.5 to M16×1.5 and assure tightness. The existing pneumatic connection of the vehicle can be used.

472 880 932 2
Voss adapter, 2x o-rings (M22×1.5 / M16×1.5), washer



472 880 933 2
Voss adapter, o-ring (M22×1.5)

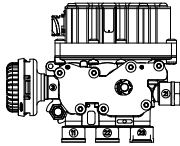


Pneumatic connection

Specific ECAS1 valves have standard metric threads on all air ports while all ECAS3 valves have Voss metric connector threads. For these valves, the repair kit 472 900 931 2 must be used to make the air connection tight.

472 900 931 2
4x o-rings

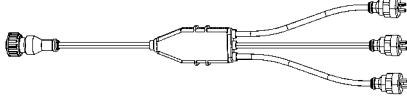




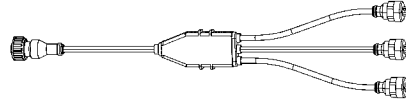
Replacement of ECAS1 valves by ProVia ECAS3 valve PRO 412 001 0

PRO 412 001 0 with using repair kits below replaces the shown OE cross references.

472 880 928 2
Adapter cable (3-way)



472 880 928 2
Adapter cable (3-way)



472 900 931 2
4x o-rings



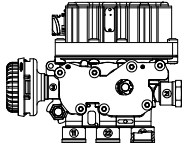
472 900 931 2
4x o-rings



OE brand	OE number
Alexander Dennis	AB4729000010
DAF	1249402 1506152 1505291R 1506179 527488
EvoBus	82416830000 A0003276225
Faymonville	3545
Irisbus	97106463 U401907801
Langendorf	1111646
MAN	1169000 81259026154
Mercedes-Benz	A0003276225
Neoplan	11016528 102140300 81259026154
Paccar	1505291R
Renault	5021170199
Scania	1934986 2089751
VDL Bus	1249402 41249402

OE brand	OE number
DAF	1505290 1505292
EvoBus	8241562000
MAN	81259026117
Neoplan	81259026117
Paccar	1505290 1505292
Scania	1105670

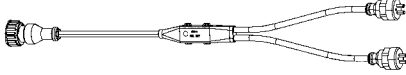
OE brand	OE number
DAF	1518917
Irisbus	41003307
Iveco	41003307



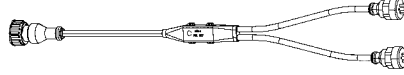
Replacement of ECAS1 valves by ProVia ECAS3 valve PRO 412 002 0

PRO 412 002 0 with using repair kits below replaces the shown OE cross references.

472 880 929 2
Adapter cable (2-way)



472 880 929 2
Adapter cable (2-way)



472 900 931 2
4x o-rings



472 900 931 2
4x o-rings

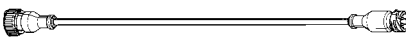


OE brand	OE number
DAF	1249319 1518916
Feldbinder	11594
Kögel	324471
Krone	505810491/0
MAN	1168275 81259026155
Neoplan	81259026155
Paccar	ACHE898
Renault	5010235153
Scania	1347572 1934988
Schmitz	051347
VDL Bus	1249319 41249319

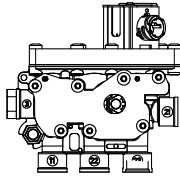
OE brand	OE number
Goldhofer	164786
MAN	81259026132
Meiller	39004927 796967
Neoplan	81259026132
Schmitz	050703

OE brand	OE number
Irisbus	41003310
Iveco	41003310

472 880 931 2
Adapter (extension and pin assignment cable)



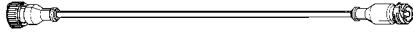
OE brand	OE number
DAF	1506181
Scania	1934993



Replacement of ECAS1 valves by ProVia ECAS3 valve PRO 412 005 0

PRO 412 005 0 with using repair kits below replaces the shown OE cross references.

894 601134 2
Adapter cable (1-way)



472 880 933 2
Voss adapter, o-ring (M22×1.5)



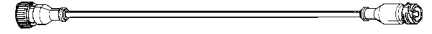
OE brand	OE number
EvoBus	A0003276325
Irisbus	U401907802
Kögel	325209
Krone	505810492 5810492
MAN	81259026144
Mercedes-Benz	A0003276325
Neoplan	102140210
Scania	1934989

472 880 933 2
Voss adapter, o-ring (M22×1.5)



OE brand	OE number
Neoplan	81259026144

894 601161 2
Adapter (extension cable)



472 880 933 2
Voss adapter, o-ring (M22×1.5)



OE brand	OE number
Renault	5010422018

472 900 931 2
4× o-rings

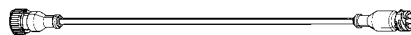


472 880 932 2
Voss adapter, 2× o-rings (M22×1.5 / M16×1.5), washer



OE brand	OE number
Irisbus	41003308
Iveco	41003308

894 601134 2
Adapter cable (1-way)



472 900 931 2
4× o-rings



472 880 932 2
Voss adapter, 2× o-rings (M22×1.5 / M16×1.5), washer



OE brand	OE number
EvoBus	8241563000
MAN	1213753 81259026113
Neoplan	11016526 102140200 81259026113
Renault	5810112384
Schmitz	50704

ECAS Distance Sensor

In Electronically Controlled Air Suspension (ECAS), a distance sensor, connected to its axle via a lever arm, monitors the distance between the axle and the vehicle body, reporting to the ECU via sensor cable. This is the starting point in the electronic truck stability control process.

About

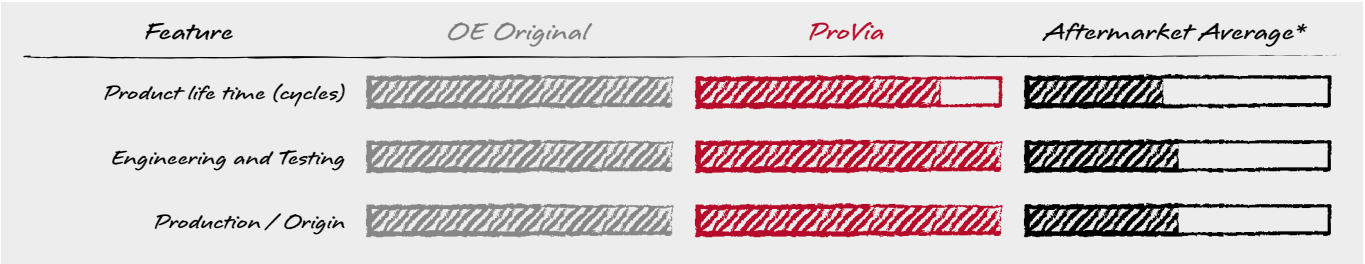
- Four ProVia ECAS distance sensor variants. Compatible with a vast range of trucks and buses across light-, medium- and heavy-duty applications.
- A robust design offering better longevity than other budget brands. Competitively priced with zero compromises on safety.
- Designed and manufactured in Europe.

Key Features

- Reliable, inductive measurement method
- Precision rotary movement of the armature
- Adapted to operate from either side of the vehicle
- Three cross lever and one straight lever variants available

Standards & Quality

- Supply Voltage: PULSE 8 – 16 V DC
- Current consumption: max. 90 mA
- Electrical connection: Bayonet ISO 15170
- Thermal range: -40 °C to +80 °C
- Protection according to ISO 20653: IP 6K9K



* Average low specification alternative product

ProVia number	Type of lever	Tolerance of characteristic curve
PRO 412 030 0	Straight lever	-
PRO 412 031 0	Cross lever	$t_{+50^{\circ}} - t_{0^{\circ}} = 150 \pm 8 \mu s$
PRO 412 032 0	Cross lever	$t_{+50^{\circ}} - t_{0^{\circ}} = 146 \pm 4 \mu s$
PRO 412 033 0	Cross lever	$t_{+50^{\circ}} - t_{0^{\circ}} = 142 \pm 8 \mu s$

Cross References ProVia ECAS Distance Sensor

OE brand	OE number
PRO 412 030 0	
Alexander Dennis	662172
DAF	1365935 ABRA506
Doll	7119045
Faymonville	214004
Irizar	8015544
Iveco	M78121482
Kässbohrer	21151103152
Kögel	6503143/0
Krone	515005712
Langendorf	1273177
Lecitrailer	4501002
Leyland	1365935 ABRA506
Lohr	A05101487
Meiller	798385/70182397
Nooteboom	3478622

OE brand	OE number
Otokar	AIF2063
Paccar	1365935
Renault	5010422344
Scania	1495828 1934584 2099046
Schmitz	1055349
Schwarzmüller	86461
Tirsan	21151103152
VDL Bus	2026243 262643 759000181
Volvo	WA4410501000
PRO 412 031 0	
CNHTC	WG9925715101/1
Daewoo	3425002890
DAF	1524843
EvoBus	A0025426718

OE brand	OE number
FAW	3614315-Y671/A
Hyundai	558508D000
Irisbus	41200708
Iveco	41200708
Kia	558508D000
MAN	81259370040
Mercedes-Benz	A0025426718
Scania	1448082 1934585
PRO 412 032 0	
EvoBus	A0035422618
Mercedes-Benz	0035422618
Paccar	1528811
Scania	1934586
PRO 412 033 0	
MAN	81259370040
Neoplan	81259370040

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www.wabco.info/i/1075

Coiled & Straight Tubes

ProVia coiled tubes are applied to pneumatic braking systems as a flexible connection between the towing vehicle and semi-trailer

About

- A multilayer coiled tube
- The external layer of PA12 provides resistance to particular hazardous factors and works as a wear indicator
- Reduced complexity as ProVia variants are compatible with a wide range of OE systems

Key Features

- Anti-kink part to prevent damaging coil
- Brass fittings
- Thermal range: from -40 °C to +100 °C

Standards

- All ProVia tubes fulfill the ISO7628 standard
- In addition coiled tubes are certified according to ISO7375



Feature	OE Original	ProVia	Aftermarket Average*
Material structure			
Dimensions			
Flexibility			
Chemical resistance			
Temperature range (°C)			
Surface protection of fittings			
Quality standard			

* Average low specification alternative product

Coiled Tubes

- Standard: **ISO 7375 / ISO 7628**
- Color: **Black**, Size: **12×1.5 mm**
- Working Length: **4 m**
- Max. operating pressure: **10 bar**

ProVia number	Fittings	Kink protection colour
PRO 711 056 0	M16×1.5 male / M16×1.5 male	Red
PRO 711 057 0	M16×1.5 male / M16×1.5 male	Yellow
PRO 711 058 0	M22×1.5 male / M22×1.5 male	Red
PRO 711 059 0	M22×1.5 male / M22×1.5 male	Yellow
PRO 711 060 0	M16×1.5 male / M18×1.5 female	Red
PRO 711 061 0	M16×1.5 male / M18×1.5 female	Yellow
PRO 711 062 0	M18×1.5 female / M18×1.5 female	Red
PRO 711 063 0	M18×1.5 female / M18×1.5 female	Yellow

Straight Tubes

- Standard: **ISO 7628**
- Color: **Black**
- Working Length: **25 m**
- Max. operating pressure: **12.5 bar**

ProVia number	Size
PRO 251106 6	6×1.0 mm
PRO 251108 6	8×1.0 mm
PRO 251110 6	10×1.0 mm
PRO 251112 6	12×1.5 mm
PRO 251115 6	15×1.5 mm

ProVia™

Coupling Head

Enables the pneumatic connection between a truck and trailer. Delivers the ability to connect two separate lines of supply and control, preventing incorrect coupling

About

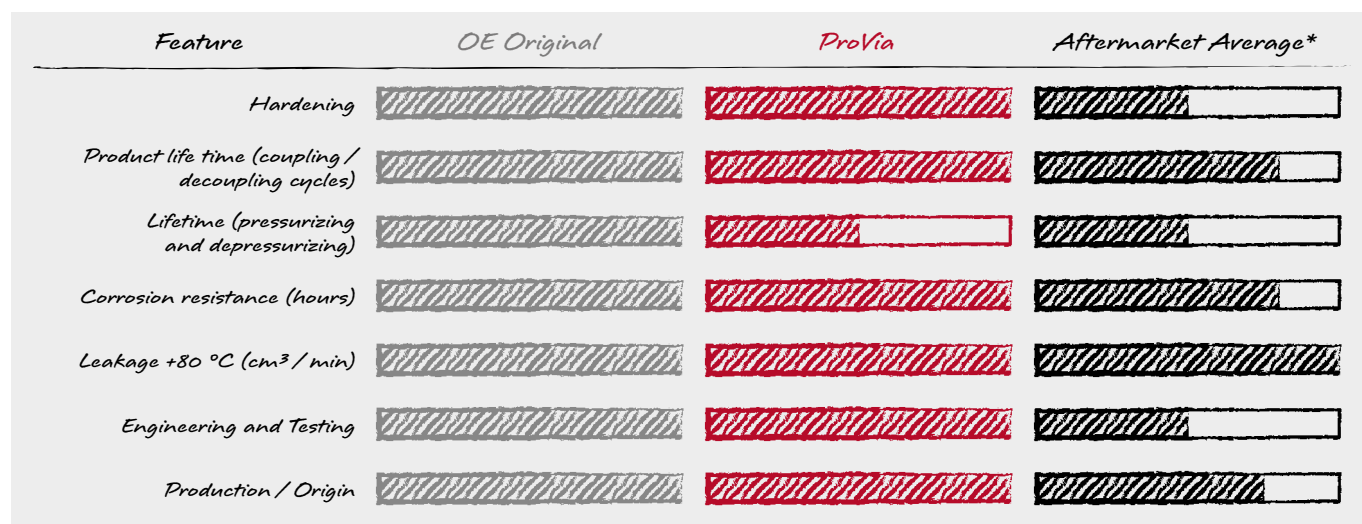
- Performance standard ISO 1728
- Simplified body design resistant to harsh weather conditions
- Robust cover protecting against dust

Truck

- Automatic
- M16×1.5
- Supply + Service Line
- Yellow + Red
- With valve

Trailer

- Standard
- M16×1.5
- Supply + Service Line
- Yellow + Red



* Average low specification alternative product

ProVia number	Vehicle type	Standard	Cover	Port	Remarks
PRO 200 221 0	Tractor	ISO 1728	Red	M16×1.5	with valve
PRO 200 222 0	Tractor	ISO 1728	Yellow	M16×1.5	with valve
PRO 200 021 0	Trailer	ISO 1728	Red	M16×1.5	free flow
PRO 200 022 0	Trailer	ISO 1728	Yellow	M16×1.5	free flow

Electrical Accessories

ProVia's electrical accessory product range offers a comprehensive selection of solutions for connecting truck and trailer. The ProVia range includes sockets, plugs, adapter cables and 7-pole and 15-pole cables.

About

- Manufactured in Europe for global market needs
- Compatible with the widest range of trucks and trailers

Key Features

- ProVia electrical accessory range meets ISO standards
- Compatible with ABS (5-pole) & EBS (7-pole)
- Adapter cable allows connection from 15-pole to 2x 7-pole
- Screwed sockets with clear identification of pins, no special tools required for fitting
- **Cables:** 3.5 m working length; anti-kink protection; made from robust polyurethane
- **Sockets:** screw terminals and colour coding for easier wiring
- **Plugs:** seal protected

Standards & Quality

- Complete ProVia electrical accessory range is ADR/GGVS certified
- Operating range of -40 °C to +80 °C
- Coiled cable ABS/EBS 7-pole, socket 7-pin and plug 7-pole meet ISO 7638 standard
- Coiled cable 15-pole, adapter cable, socket 15-pin and plug 15-pole meet ISO 12098 standard
- Connectors meet ISO 4091 standard



Feature	OE Original	ProVia	Aftermarket Average*
Temperature range (° C)			
Maximal extension length			
Coil diameter			
Number of coils			
Quality / Certification			
Production / Origin			

* Average low specification alternative product

Coiled Cables

ProVia number	PRO 531000 0	PRO 5310010	PRO 531002 0
Product			
Description	Coiled Cable ABS/EBS 7-pole	Coiled Cable 15-pole	Adapter Coil 15-pole to 2x 7-pole
Voltage (V)	24 V	24 V	24 V
Number of Coils	29 ±2	26 ±2	36 ±2
Coil Overmolding Material	PU	PU	PU
Color of Coil	black	black	black
Coil Diameter	50 ±5	60 ±5	40 ±5
Working length	3.5 m	3.5 m	3.5 m
Permissible Cable Extension	4.0 m	4.0 m	4.0 m
Conductor Cross-Sections	3× 1.5 mm ² + 2× 4 mm ² + 2× 1.5 mm ²	3× 2.5 mm ² + 10× 1.5 mm ² + 2× 1.5 mm ²	6× 1.0 mm ² + 1× 1.5 mm ²
Temperature Range	-40 °C to +80 °C	-40 °C to +80 °C	-40 °C to +80 °C
Color Kink Protection	red	blue	black
Certifications	ISO 7638, ISO 4091, GGVS/ADR	ISO 12098, ISO 4091, GGVS/ADR	ISO 12098, ISO 4091, GGVS/ADR

Plugs & Sockets

ProVia number	PRO 531000 2	PRO 531001 2	PRO 531010 2	PRO 531011 2
Product				
Description	Socket ABS/ EBS 7-pin	Socket 15-pin	Plug ABS/EBS 7-pole	Plug 15-pole
Voltage (V)	24 V	24 V	24 V	24 V
Temperature Range	-40 °C to +80 °C	-40 °C to +80 °C	-40 °C to +80 °C	-40 °C to +80 °C
Mounting Type of pins	screwed	screwed	screwed	screwed
Color Coding	✓	✓	✓	✓
Certifications	ISO 7638, ISO 4091, GGVS/ADR	ISO 12098, ISO 4091, GGVS/ADR	ISO 7638, ISO 4091, GGVS/ADR	ISO 12098, ISO 4091, ADR/GGVS

Clutch Servo

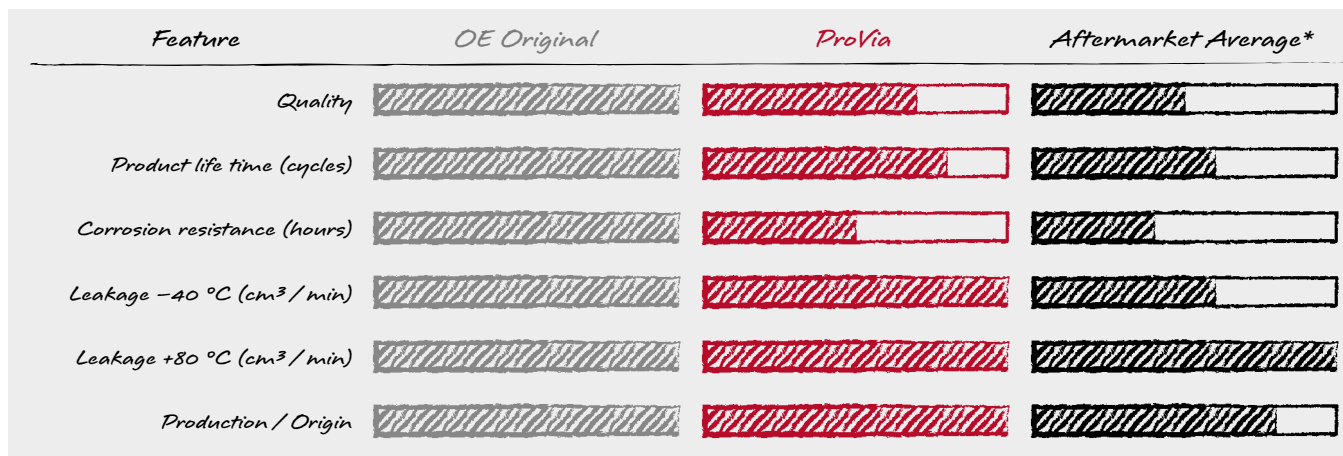
The clutch servo enables the driver to disengage and engage the clutch with minimum clutch pedal effort. The clutch servo is a pneumatically assisted hydraulic clutch-actuating device that enables sensitive and accurate actuation of the clutch in the vehicle.

About

- The ProVia range consists of variants with brake fluid and mineral oil to meet the major OEM requirements.
- The ProVia clutch servo is the zero compromise on safety choice when original equipment quality no longer pays off in the TCO calculation of the vehicle
- Designed to serve a large range of OE references

Key Features

- High corrosion resistance proven in the 96h Neutral Salt Spray Test
- Low leakage rates for reliable product performance and consistent quality



* Average low specification alternative product

ProVia number	Fluid type	Wear measurement	Size	Ports
PRO 0510010	Mineral oil	Electronic distance sensor module	4"	1-4: M14×1.5; 11: M22×1.5 Voss 230
PRO 051002 0	Mineral oil	Electronic distance sensor module	4"	1-4: M14×1.5; 11: M22×1.5 Voss 230
PRO 051003 0	Mineral oil	Electronic distance sensor module	4"	1-4: Special fittings; 11: M16×1.5
PRO 051004 0	Brake fluid	Mechanical wear indicator	4"	1-4: M14×1.5; 11, 21: M16×1.5
PRO 051005 0	Brake fluid	Mechanical wear indicator	4"	1-4: M14×1.5; 11, 21: M16×1.5
PRO 051006 0	Brake fluid	Mechanical wear indicator	4"	1-4: M14×1.5; 11, 21: M16×1.5
PRO 051007 0	Brake fluid	Mechanical wear indicator	4"	1-4: M14×1.5; 11: M16×1.5
PRO 051008 0	Brake fluid	Electronic distance sensor module	4"	1-4: Special fittings; 11: M16×1.5
PRO 051009 0	Brake fluid	Mechanical wear indicator	4"	1-4: M14×1.5; 11: M22×1.5 Voss 230
PRO 051010 0	Brake fluid	Mechanical wear indicator	4"	1-4: M14×1.5; 11: M22×1.5 Voss 230
PRO 411011 0	Mineral oil	Electronic distance sensor module	4"	1-4: M14×1.5; 11: M22×1.5 Voss 230

Cross References ProVia Clutch Servo

OE brand	OE number
PRO 0510010	
MAN	81307256116
Neoplan	81307256116
PRO 0510020	
DAF	1506465
MAN	81307256084 81307256107 81307259084
Neoplan	81307256084
Paccar	1506465R
Scania	1935599
PRO 0510030	
DAF	1527600
MAN	81307256104
Mercedes-Benz	A0002540447
Neoplan	81307256104
Paccar	1527600
Scania	1935609
PRO 0510040	
Daewoo	3329101150 3329101151
DAF	1506466
FAW	1602305A70A
Ford	7C467K626AA
Hino	S31A0-E0780
Hyundai	4170077000K
Kamaz	501006570
Kinglong	216500010
Renault	501006570

OE brand	OE number
Scania	1935601
Van Hool	10730817
Yutong	160400241
PRO 0510050	
FAW	1602305A70A/B 1602305A7A
Yutong	160400455
PRO 0510060	
Alexander Dennis	6573091 659826
DAF	1506467
FAW	160230576A
Foton	1612516205010
IrisBus	5010556022
Iveco	5010556022
Kinglong	16MC104010 216500050
MAN	N2307160011
Paccar	1506467
Scania	1935602
Van Hool	10709118
Yutong	160400213
ZF	0501006375 0501006795
PRO 0510070	
CNHTC	WG8701230003 WG9725230041/2 WG9725230041/4 WG9725230051/2
Foton	1432116280002
Kinglong	16MC104010C1

OE brand	OE number
PRO 0510080	
DAF	1505143 1506464 1506468
EvoBus	A0002540047 A0002541247 A0002952818
Mercedes-Benz	A0002540047 A0002541247 A0002952818
Paccar	1505143R 1506464
Renault	5021170437
Scania	1935608
PRO 0510090	
MAZ	9700514370
PRO 0510100	
MAZ	9700514570
PRO 4110110	
MAN	81307256115
Neoplan	81307256115



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FOMOCO

2C462B915AA	PRO 010 200 2 Cartridge.	13
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FONTENAX

2100382	PRO 4611010 Spring Brake Actuator.	32
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2100383	PRO 4611010 Spring Brake Actuator.	32
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Ford

3C465C100AA	PRO 007 0010 Cabin Levelling Valve.	43
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4C452A131AA	PRO 010 200 2 Cartridge.	13
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4C46 2K433AA	PRO 006 003 0 Chassis Levelling Valve.	41
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6C462A131AA	PRO 100 100 0 Air Processing Unit.	10
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7C462B372AA	PRO 032 010 0 Wheel Speed Sensor.	29
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98CT2B372AA	PRO 032 0010 Wheel Speed Sensor.	29
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CT 2K432 AA	PRO 006 0010 Chassis Levelling Valve.	41
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Fruehauf

A-71519M70-A11	PRO 527 0010 Trailer Release Valve.	25
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A-FA4271-008	PRO 527 004 0 Trailer Release Valve.	25
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CF351950/F001572	PRO 006 003 0 Chassis Levelling Valve.	41
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CF352131	PRO 006 0010 Chassis Levelling Valve.	41
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F001572	PRO 006 003 0 Chassis Levelling Valve.	41
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F005268	PRO 006 0010 Chassis Levelling Valve.	41
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Haldex

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612 017 091	PRO 006 003 0 Chassis Levelling Valve.	41
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612 032 001	PRO 006 0010 Chassis Levelling Valve.	41
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963/001/052/0	PRO 527 006 0 Trailer Release Valve.	25
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963/006/001/0	PRO 527 004 0 Trailer Release Valve.	25
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HB100197	PRO 648 0010 Relay Emergency Valve.	27
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Hino

S49UO-E0F60	PRO 492 002 0 Spring Brake Actuator.	32
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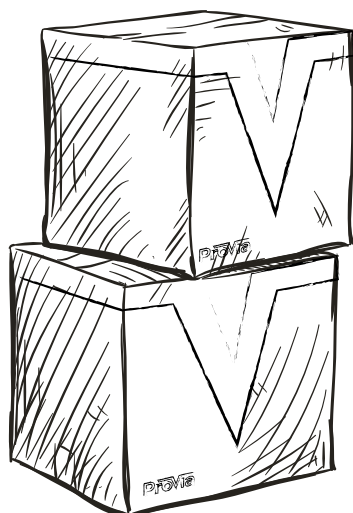
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