



CATALOG

PNEUMATIC BRAKE AND
SUSPENSION SYSTEMS
FOR TRAILERS AND
SEMITRAILERS



A **SAFER** FUTURE





Brex was founded in 2005 and is located in the city of Rio de Janeiro. It is the South American Company leader in the production of pneumatic components for the brake and suspension systems for commercial heavy-duty vehicles, such as trailers and semitrailers. Our engineering is equipped with high-tech softwares for product development and also state-of-the-art electronic tests in the production line.



SPECIALIZED
TECHNICAL ASSISTANCE



FAST DELIVERY



EFFICIENT
AFTER SALES



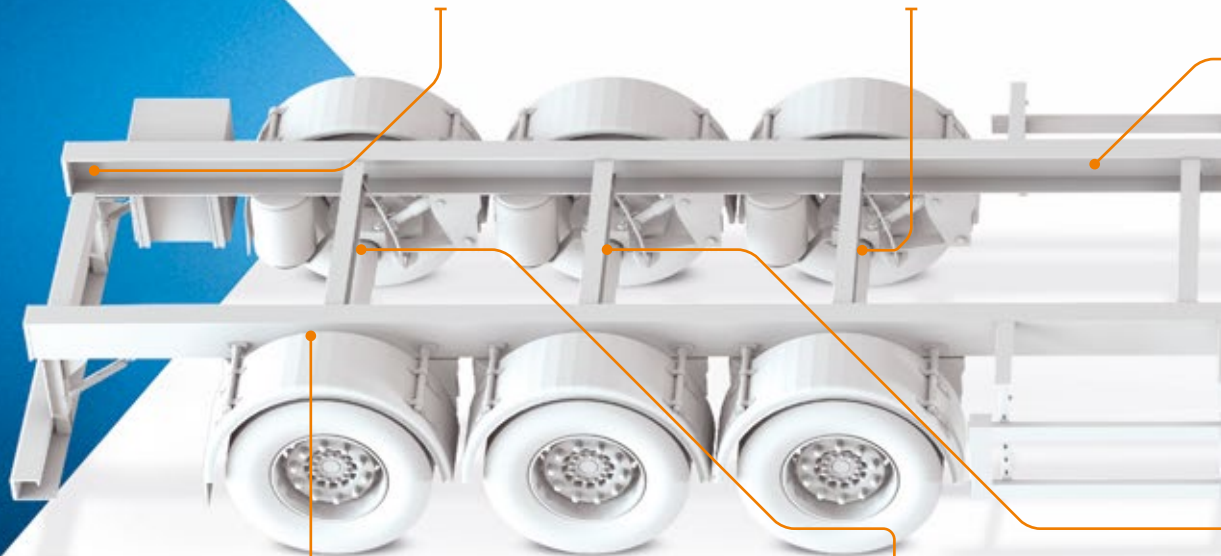
All of our products are carefully inspected and tested, meeting the **strict requirements of both Brazilian and European ECE 13 Automotive standards.**



HEIGHT ADJUST VALVE | **PG 23**



DOUBLE 3/2 WAY VALVE | **PG 24**



LEVELLING VALVE (WITH STOPPING STROKE) | **PG 23**

IN LINE FILTER | **PG 26**



A TECHNOLOGY THAT WORKS SO **PERFECTLY ...**



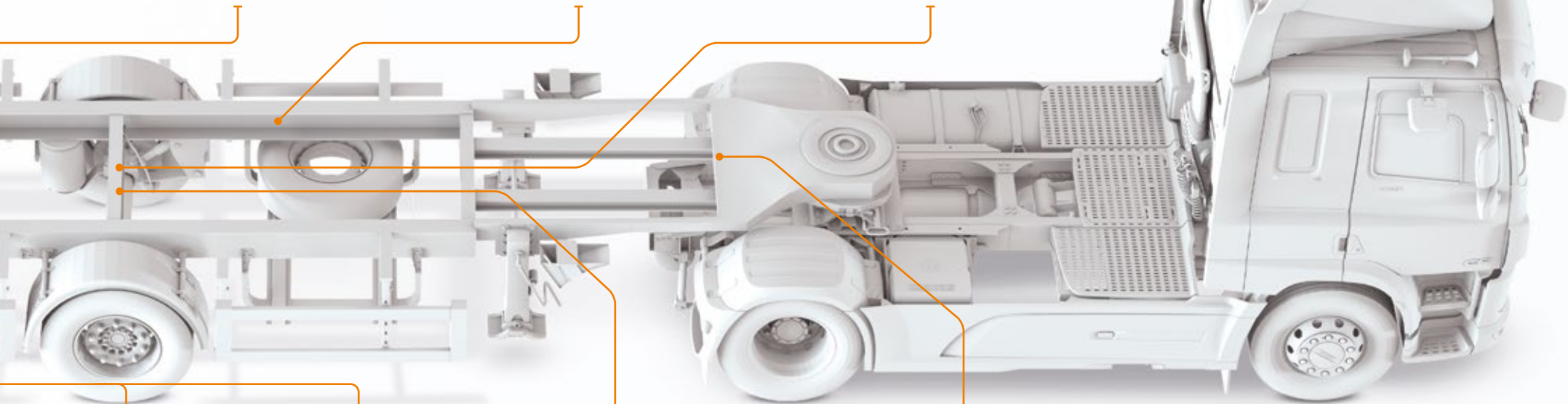
6G PANEL | **PG 12**



SELF-STEERING AXLE CONTROL PANEL | **PG 16**



SELECT LOW VALVE WITH LOCKING FUNCTION | **PG 25**



ABS MODULATOR | **PG 8**

TS MODULATOR | **PG 6**

RELAY VALVE | **PG 22**

EMERGENCY AND SERVICE MANUAL COUPLING HEAD | **PG 27**



...THAT YOU DIDN'T EVEN
NOTICE **IT WAS HERE!**

Supplier in 4 of the top 5 OEM in Latin America, choosing Brex you will have a solid partnership counting with more than 20 years of experience in this market.

Brex produces components that are carefully tested and inspected before the factory shipment, ensuring efficiency and durability of the products, providing fast delivery and a good after sales attendance.



PG | PRODUCT

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PG | PRODUCT

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PG | PRODUCT

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SOUTH AMERICAN MARKET LEADER

FOLLOW
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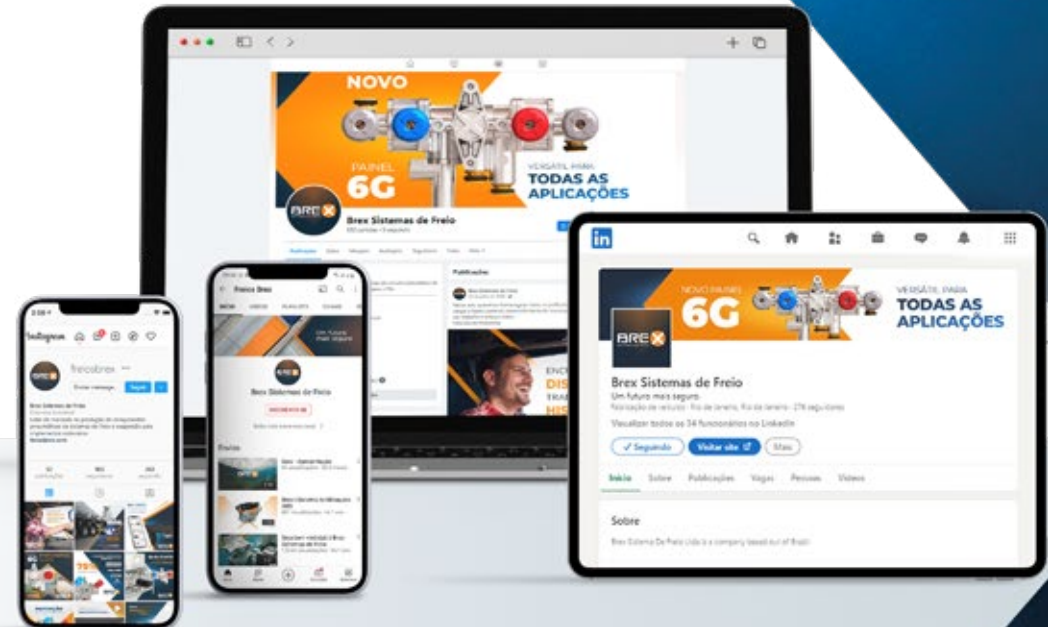
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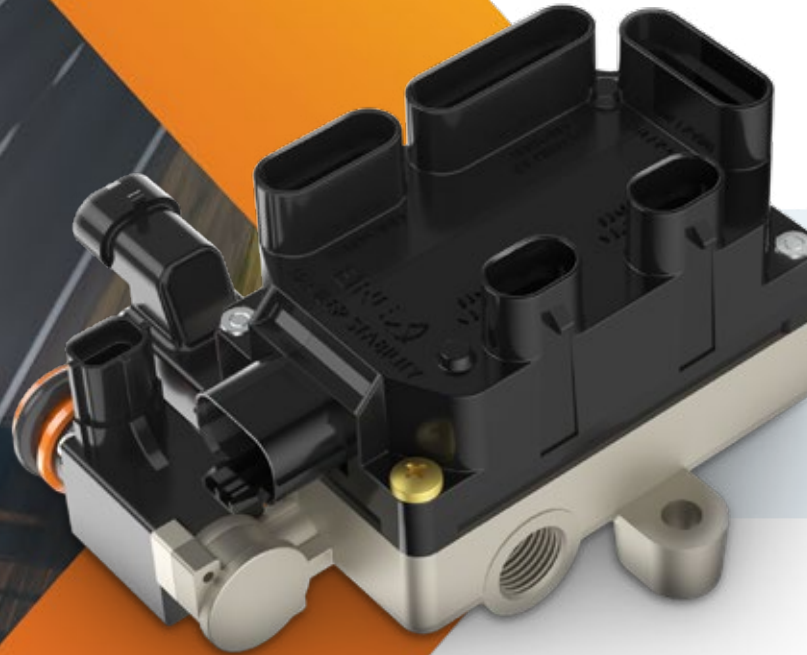
TRAILER STABILITY MODULATOR - TS

TS

SMOOTH TRANSITION TO MEET THE STANDARD WITH THE BEST COST-BENEFIT

Working together with the ABS system, TS Brex brings more safety to the roads through vehicle stability control. With the TS it is possible to detect previously the threat of a tipover and prevent it, reducing the risk of accident.

WITH BREX,
**QUALITY AND
SAFETY GO
HAND IN HAND**



CONTRAN N° 954

The legislation establishes that the stability control system becomes a mandatory safety item in new vehicles – in categories M1, M2, M3, N1, N2, N3, O3 and O4 – from January 2025.

**Add the TS Brex module to your trailer's
pneumatic circuit.**

Available in 2 KIT versions for large compatibility with the requirements of production implements.

- **MODULATOR KIT TS
BREX 2S2M /4S2M**
KT020024

- **MODULATOR KIT
TS BREX 4S3M**
KT010024



4S3M application with the best price of the market!



+ ECONOMIC VIABILITY

to attend the new legislation, compared to other systems offered on the market.



+ SAFE ENVIRONMENT

for the driver during the route, lower risk of damaging cargo transported.

QUICK DIAGNOSIS

Reduce the time spent diagnosing the system using the "End Of Line Test", our exclusive solution that makes it faster to identify failures and errors, using this modern electronic system.



EASY MAINTENANCE

Brex is the lead supplier of pneumatic components for trailer's brake systems in Brazil. With a wide authorized technical assistance all over LATAM, the installation, maintenance and repair of our components are already well-known by it's agility in the process and easy aftermarket.

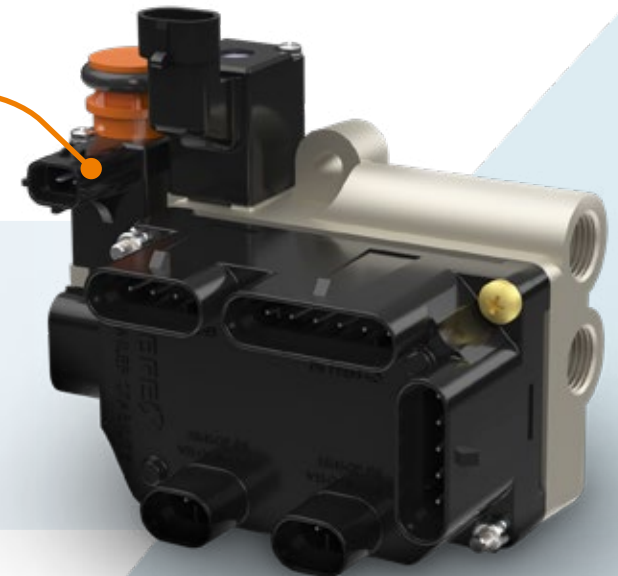


Download the installation manual

CODE	DESCRIPTION	
RP030024	SPEED SENSOR HARNESS	
RP040024	MAIN POWER CABLE HARNESS MOD. 2S2M/4S2M	
RP050024	MAIN POWER CABLE HARNESS MOD. 4S3M	

Practicality of inclusion in your assembly line = Allow savings in installation costs and fast to install.

TS BREX MODULATOR



SIMPLICITY FROM INSTALLATION TO USE



The TS Brex installation is easy to adapt in the pneumatic circuit of your implement. Using simplified parameterization, it is possible to install the module already using the vehicle's information.

2ND GENERATION ABS MODULATOR

NEW



Approved according
to NBR ABNT 10966



Bivolt use with
12/24v converter



Visual diagnosis using
the green lamp

MODULATOR VALVE

VA020022 - 2S2M
VA040022 - 4S2M

06 outlets M16X1,5mm
(03 lefts e 03 rights)
02 reservoirs M22X1,5mm
01 auxiliary output M12X1,5mm
01 pilot inlet M16X1,5mm
ISO 7638 Socket

FOR ALL APPLICATIONS

The **Brex 2nd generation Anti-Lock Brake System's (ABS) for trailers and semi-trailers** has the necessary characteristics for installation on the most models on its assembly line.



Download
the installation
manual and
diagnostics guide



THE BEST ABS

DIAGNOSTIC DEVICE

Reduces time in
identifying faults and
errors with a modern
electronic system.



Going beyond the versatility that it already had, the second generation of the Brex ABS now also counts with a **third electronic modulator**, allowing a customized configuration for your implement.

3RD MODULATOR

VA010022

02 outlets M16X1,5mm
01 reservoir M22X1,5mm
01 entry M16X1,5mm
Auxiliar Socket



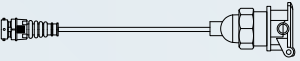
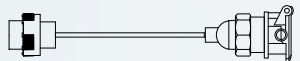
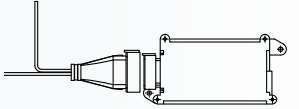
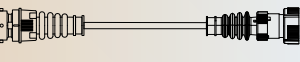
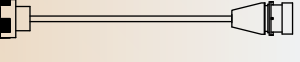
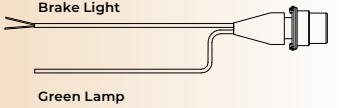
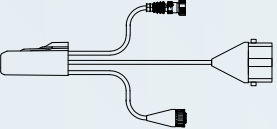
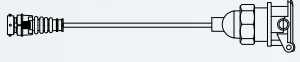

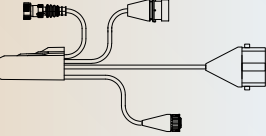


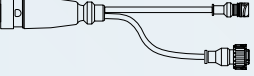
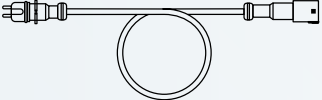

ENHANCED SECURITY

Check the table below for some of the main trailer configurations, in circulation on the market, served by the BREX ABS.

COMERCIAL NAME	Standard		Standard / "Bitrem" (rear)	Standard		"Vanderléia"		Long Vehicle				"Prancha"		"Dolly"	SR Fourth Axle		"Julieta"			"Bitrem" (front)				
N° OF AXES	1	2	2			3			2	3	2	3	4	4	2		4		2	3	3	2	3	
SUSPENSORS	0		1	0	1	2	1	2	0		1		0	1		3	2	0	2	0			1	
WHIP			12M						15M						6M	12M	15M					12M		
CONFIGURATION			2S2M				4S3M						2S2M						4S3M					2S2M

EASY REPAIR

Brex is the market leader in Brazil of pneumatic components for the brake system of trucks, with an extensive authorized assistance and replacement throughout South America. Count on us to keep your implements moving!

CODE	DESCRIPTION		CODE	DESCRIPTION		CODE	DESCRIPTION	
RP070022	ISO7638 12M POWER CORD		RP130018	2M - ISO7638 BITREM REAR POWER CORD.		RP160018	12/24 VOLT CONVERTER	
RP090022	ISO7638 3M POWER CORD EXTENDER		RP090018	3M - ISO7638 BITREM REAR POWER CORD. EXTENDER		RP110018CJ	GREEN LAMP POWER CORD	
RP030022	"W" POWER CORD		RP200022	ISO7638 DOLLY 6M POWER CORD		IC020205	GREEN LAMP	
RP030022BT	"W" POWER CORD (BITREM)		RP140018	ELECTRIC SPIRAL		RP020022 2 SENSORS RP040022 4 SENSORS	24V ELECTRONIC UNIT REPAIR	
RP220022	3 RD MODULATOR 6M POWER CORD		RP640005	SPEED SENSOR 3M EXTENSION CABLE		RP010018	COMPLETE REPAIR OF MODULATORS (2ABS)	

1ST GENERATION ABS MODULATOR

VA010018:
Modulator Valve with
Solenoids and ECU



**CERTIFIED
NBR ABNT 10966**

**PRODUCED IN BRAZIL WITH
EUROPEAN ELECTRONIC UNIT**

**DISMISS THE USE OF "END OF
LINE TEST" IN THE ASSEMBLY LINE**

**APPLICATION IN SEVERAL
TYPES OF TRAILERS**

- 06 outlets** M16X1,5mm
(03 lefts e 03 rights)
- 02 reservoirs** M22X1,5mm
- 01 auxiliary output** M12X1,5mm
- 01 pilot inlet** M16X1,5mm
- ISO 7638 Socket**

RP020018: Electronic unit repair



RP010018: ABS Modulator full repair (2 ABS)



MINIMUM SETTING TO COMPOSE THE ABS SYSTEM

CODE	REPAIR
RP110018CJ	ISO1185 Connection Cable / Derivation Circuit Warning Lamp
RP030018CD	"Y" Power Cable
RP070018	ISO7638 Power Cable
RP640005	Speed Sensor Extender Cable
IC020205	Green Lamp

REQUIRED TO SETTLE DOUBLE TRAILLER OR DOLLY

CODE	REPAIR
RP110018CJ	ISO 7638 Extension Cable
RP030018CD	Supply/ Derivation ISO7638 Rear Double Trailer Cable
RP070018	Electric Spiral 2 (two) Male Plugs
RP640005	Supply Cable ISO 7638 Rear Connector

AUTOMATIC SLACK ADJUSTER



APPLICATION IN TRAILERS
AND SEMI-TRAILERS

PROTECTS BRAKE SYSTEM
AGAINST OVERHEATING

COMPENSATES WEAR
OF BRAKE LINES

MAINTAINS THE IDEAL
GAP BETWEEN THE
BRAKE LINING AND DRUM

WIDE INSTALLATION
COMPATIBILITY



Automatic Adjuster
Kit + Fixed Point for
Road Implements

KT500023

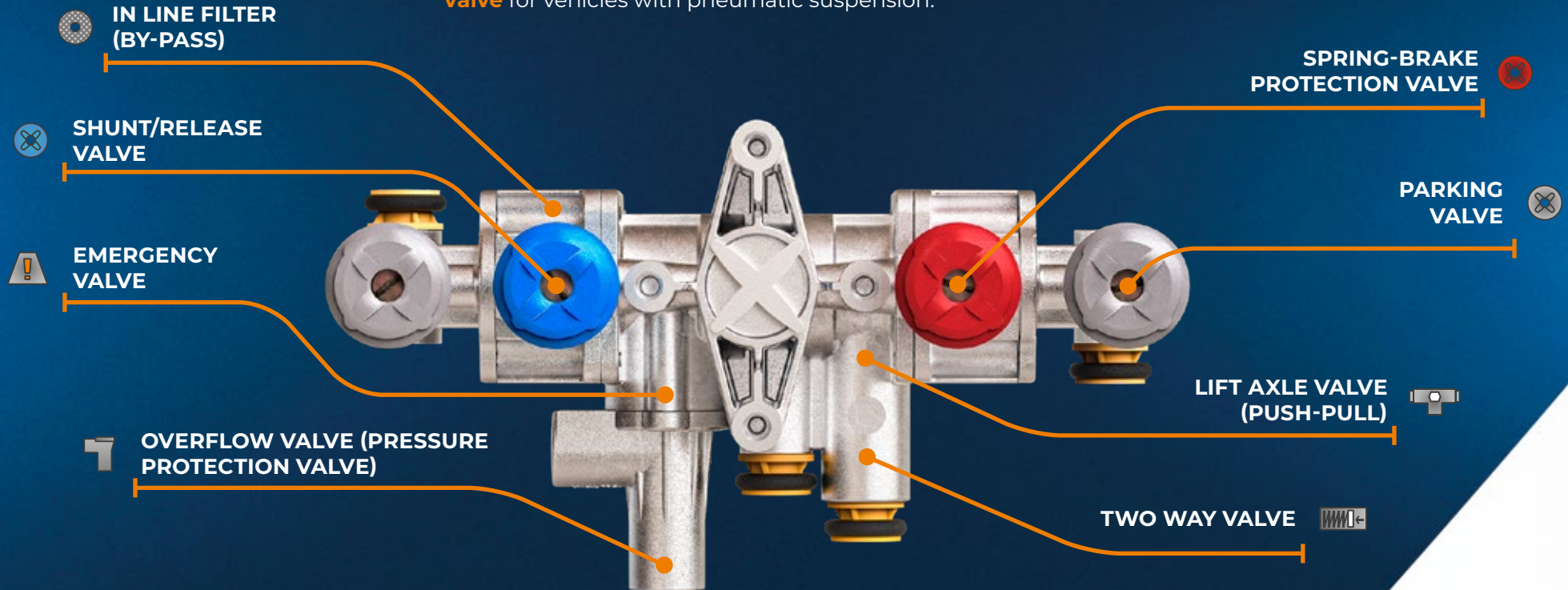
AUTOMATIC SLACK ADJUSTER FOR ROAD IMPLEMENTS WITH FIXED POINT

REPAIRS

CODE	REPAIR
RP110018CJ	Automatic Adjuster's Crown Gear Kit - for Road Implements
RP030018CD	Automatic Adjuster's Full Repair Kit - for Road Implements
RP070018	Automatic Adjuster's Control Unit Repair Kit - for Road Implements

6TH GENERATION MULTIFUNCTION PANEL

Developed to be highly versatile, the 6th Generation Multifunction Panels are the only products on the market that group functions together, besides the mandatory ones, such as: **valves for lift axle** and **pressure protection valve** for vehicles with pneumatic suspension.



PUSH/PULL VALVE



OBSERVATION:
This valve is part of the 6G Panel.

CODE:

PA190020

THREADS:

M16 x 1,5mm

FUNCTIONS:

⊗ Lift Axle Valve (Push-Pull)

REPAIR: RP010020

EASY SETUP AND REPLACEMENT

Fixed directly on the vehicle **chassis...**

Or with the **bracket!**

REPAIR:

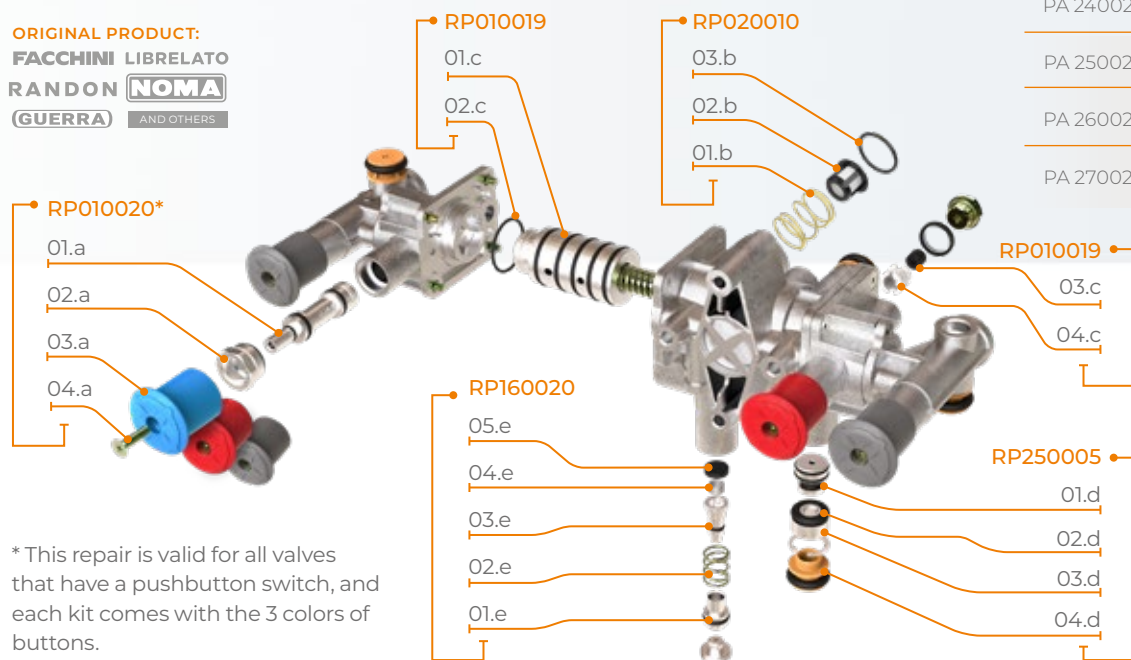
	CODE	DESCRIPTION
1	RP010020*	Pushbutton Switch Kit (includes 3 button colors)
2	RP010019	Emergency Function
3	RP160020	Overflow Valve (pressure protection)
4	RP250005	Exhaust
5	RP020010	In Line Filter



ALL COMPATIBLE

All of the main functions of the trailer brake system were brought together in a single product, with only one source of supply and without the **need of auxiliary installations**. This was developed to custom the project of pneumatic solutions and to keep the 'set up' even easier and more reliable. It can be installed in two ways: directly on the vehicle's chassis or via support (using the bracket), **with fixing and applications compatible** with the previous generations of Brex panels or with panels from other brands available in the market.

ORIGINAL PRODUCT:
FACCHINI LIBRELATO
RANDON NOMA
GUERRA AND OTHERS



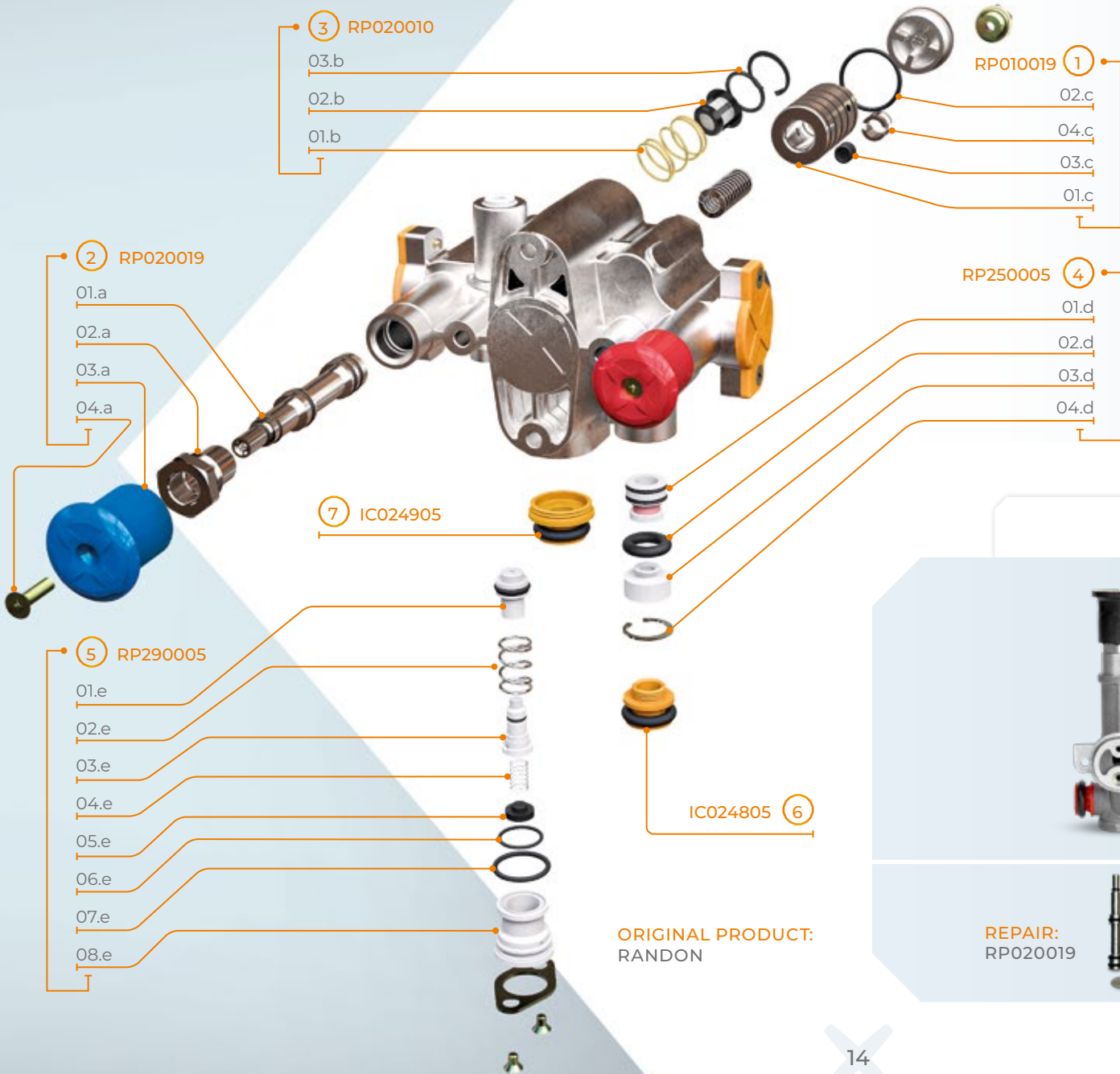
* This repair is valid for all valves that have a pushbutton switch, and each kit comes with the 3 colors of buttons.

CODE	WITH PRESSURE PROTECTION (FOR PNEUMATIC SUSPENSION)	LIFT AXLE VALVE (PUSH/PULL)	FIXATION	COMPATIBILITY (PLUG AND PLAY)
PA 200020	NONE	NONE	Directly on the vehicle chassis	9710029000 (Wabco)
PA 020020	YES	NONE	Directly on the vehicle chassis	PA020018 (5G)
PA 030020	YES	ONE VALVE		PA030018 (5G)
PA 040020	YES	TWO VALVES		PA040018 (5G)
PA 050020	NONE	NONE	Directly on the vehicle chassis	PA050012 (4G) / PA050018 (5G)
PA 060020	NONE	ONE VALVE		PA060012 (4G) / PA060018 (5G)
PA 070020	NONE	DOIS VALVES		PA070012 (4G) / PA070018 (5G)
PA 220020	YES	NONE	With bracket (to support)	PA020018 (5G)
PA 230020	YES	ONE VALVE		PA030018 (5G)
PA 240020	YES	TWO VALVES		PA040018 (5G)
PA 250020	NONE	NONE	With bracket (to support)	PA050012 (4G) / PA050018 (5G)
PA 260020	NONE	ONE VALVE		PA060012 (4G) / PA060018 (5G)
PA 270020	NONE	TWO VALVES		PA070012 (4G) / PA070018 (5G)

The Brex 6G Panel has the advantage of a **"plug and play"** adaptability, it allows to replace from the oldest versions (4G or 5G) - or even a panel from another brand (competitor) - without new adaptations, no need for auxiliary connections or a pneumatic specialist. Just replace the old panel for the new Brex 6G Panel using the **same drilling** and hoses.

The repairs of the Brex 6G Panel are **easy to handle and to adapt**, they were developed to fix any panel component. That way, the maintenance is easily done and, after changing, the vehicle is ready to hit the road again.

REPAIRS OF THE 5TH GENERATION MULTIFUNCTION PANEL



	CODE	REPAIR
1	RP010019	Emergency Function
2	RP020019	Pre-assembled push/pull
3	RP020010	In Line Filter
4	RP250005	Exhaust
5	RP290005	Overflow Valve (pressure protection)
6	IC024805	Port Protector M16 x 1,5mm
7	IC024905	Port Protector M28 x 1,5mm

PUSH/PULL VALVE



OBSERVATION:
This valve is part of the 5G Panel.

CODE:
PA010018

THREADS:
M16 x 1,5mm

REPAIR:
RP020019



FUNCTIONS:








 Lift Axle Valve (Push-Pull)

4TH GENERATION MULTIFUNCTION PANEL



CODE:	VALVES:	THREADS:
PA050012	2	M16 x 1,5mm
PA060012	3	M16 x 1,5mm
PA070012	4	M16 x 1,5mm

FUNCTIONS:

-  Emergency Valve
-  Two Way Valve
-  Spring Brake Protection
-  In Line Filter with By-Pass
-  Shunt/Release Valve
-  Parking Valve
-  Lift Axle Valve (Push-Pull Valve) (optional)

REPAIRS:

RP040010
RP250005
RP010010
RP010012
RP020012

ITEM:







• RANDON • FACCHINI
• NOMA • AND OTHERS
• GUERRA

3TH GENERATION MULTIFUNCTION PANEL



CODE:	VALVES:	THREADS:
PA020011	2	M16 x 1,5mm
PA030011	3	M16 x 1,5mm
PA040011	4	M16 x 1,5mm

FUNCTIONS:

-  Two Way Valve
-  In Line Filter with By-Pass
-  Spring Brake Protection
-  Parking Valve
-  Lift Axle Valve (Push-Pull Valve) (optional)
-  Shunt/Release Valve

REPAIRS:

RP040010
RP250005
RP010010
RP020010

ITEM:

• RANDON • FACCHINI
• NOMA • AND OTHERS
• GUERRA

2TH GENERATION MULTIFUNCTION PANEL



CODE:	VALVES:	THREADS:
PA040005	2	M16 x 1,5mm
PA030005	3	M16 x 1,5mm
PA070005	4	M16 x 1,5mm

FUNCTIONS:

-  In Line Filter with By-Pass
-  Lift Axle Valve (Push-Pull Valve) (optional)
-  Shunt/Release Valve
-  Parking Valve

REPAIRS:

RP010010
RP020010

ITEM:

• RANDON • FACCHINI
• NOMA • AND OTHERS
• GUERRA

MULTIFUNCTION PANELS REPAIRS / REPLACEMENTS



RP040010



RP020010



RP250005



RP020012



RP010010




RP010012

SELF-STEERING PANEL



OBSERVATION:
Self-Steering Axle Control Panel with 1 regulator and 1 solenoid

CODE: PA010014
PORTS: Tubo Ø10mm
PA200014 Tubo Ø08mm

FUNCTIONS:
 Self-Steering Panel

ITEM:


- NOMA
- GUERRA
- FACCHINI
- LIBRELATO
- AND OTHERS

SELF-STEERING PANEL



OBSERVATION:
Air Bag Regulator Panel with 2 regulators

CODE: PA090014
PORTS: Tubo Ø10mm
PA220014 Tubo Ø08mm

FUNCTIONS:
 Self-Steering Panel

ITEM:

- NOMA
- GUERRA
- FACCHINI
- LIBRELATO
- AND OTHERS




SELF-STEERING PANEL



OBSERVATION:
Control Panels to regulate airbags with 2 regulators and 1 solenoid

CODE: PA100014
PORTS: Tubo Ø10mm
PA210014 Tubo Ø08mm

FUNCTIONS:
 Self-Steering Panel

ITEM:

- NOMA
- GUERRA
- FACCHINI
- LIBRELATO
- AND OTHERS

REGULATOR VALVE



OBSERVATION:
Pressure Regulator Valve with Manometer with Glycerin

CODE: VA060016
THREADS: 1/8" BSP
VA060022 1/4" BSP

FUNCTIONS:
 Pressure Regulator Valve

ITEM:

- NOMA
- GUERRA
- FACCHINI
- LIBRELATO
- AND OTHERS

SUSPENDER PANEL - 1 VALVE

NEW



OBSERVATION:

Pneumatic Suspension Activation Panel 1 Valve (without support)

CODE: VA080024 THREADS: M16 x 1,5mm / M12x1,5mm

FUNCTIONS:

 Lift Axle Valve (Push-Pull Valve)

REPAIR:



RP020010

SUSPENDER PANEL - 2 VALVES

NEW



OBSERVATION:

Pneumatic Suspension Activation Panel 2 Valves (without support)

CODE: PA020024 THREADS: M16 x 1,5mm / M12x1,5mm

FUNCTIONS:

 Lift Axle Valve (Push-Pull Valve)

REPAIR:



RP020010

SUSPENDER PANEL - 3 VALVES

NEW




OBSERVATION:

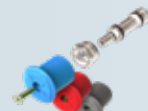
Pneumatic Suspension Activation Panel 3 Valves (without support)

CODE: PA030024 THREADS: M16 x 1,5mm / M12x1,5mm

FUNCTIONS:

 Lift Axle Valve (Push-Pull Valve)

REPAIR:

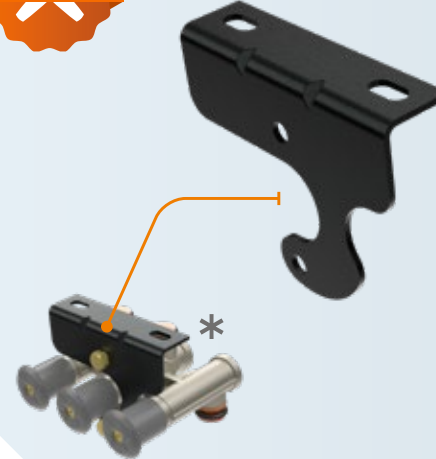


RP020010



SUSPENDER PANEL SUPPORT

NEW



OBSERVATION:

Pneumatic Suspension Drive Panel Support - 3 Valves

CODE: PA030124

*Example of applied support. Panel sold separately.

SELF-STEERING PANEL

NEW



OBSERVATION:

Electronic activation of the Suspensor with 01 Solenoid, 01 Regulator and 01 Manual Actuator.

CODE: PA070024 **THREADS:** M16 x 1,5 / M12 x 1,5

FUNCTIONS:



Self-Steering
Panell

REPAIR:



VA130012

SELF-STEERING PANEL

NEW



OBSERVATION:

Electronic activation of the Suspensor with 01 Solenoid, 02 Regulators and 02 Manual Actuators.

CODE: PA060024 **THREADS:** M16 x 1,5 / M12 x 1,5

FUNCTIONS:



Self-Steering
Panell

REPAIR:



VA130012

SELF-STEERING PANEL

NEW



OBSERVATION:

Electronic activation of the Suspensor with 02 Solenoid, 02 Regulators and 02 Manual Actuators.

CODE: PA050024 **THREADS:** M16 x 1,5 / M12 x 1,5

FUNCTIONS:



Self-Steering
Panell

REPAIR:



VA130012

BREX
PNEUMATIC BRAKE SYSTEMS

3/2 NC SOLENOID PILOT (ELETRICAL 3/2 WAY VALVE)

OBSERVATION:

3/2 NC Solenoid Pilot (24VCC w/ Plug and 2-Way Cable) (Eletrical 3/2 Way Valve)

CODE: VA130012 **THREADS:** 1/8" BSP

FUNCTIONS:



Solenoid Pilot

ITEM:

- NOMA
- GUERRA
- FACCHINI
- LIBRELATO
- AND OTHERS

GEAR CROWN



OBSERVATION:

Gear Crown
176mm diameter

CODE:

RP660005

FUNCTIONS:



ABS

WHEEL SENSOR



OBSERVATION:

Wheel Sensor
16 X 40 mm X 90° x 500mm

CODE:

IC028505

THREADS:

M16 x 1.5mm

FUNCTIONS:



ABS Sensor



SHUNT/RELEASE VALVE



CODE:

VA320005

THREADS:

M16 x 1,5mm

FUNCTIONS:



Shunt/Release
Valve

REPAIR:



RP590005



RP720005

ITEM:

- NOMA
- GUERRA
- FACCHINI
- AND OTHERS

PARKING VALVE



CODE:

VA370005

THREADS:

M16 x 1,5mm

FUNCTIONS:



Parking Valve

REPAIR:



RP590005



RP730005

ITEM:

- NOMA
- GUERRA
- FACCHINI
- AND OTHERS

SHUNT/RELEASE VALVE





OBSERVATION:

This valve is part of the 2G Panel and/or 3G Panel

CODE: VA010012
THREADS: M16 x 1,5mm (ports 1 e 2)
 M12 x 1,5mm (ports 1-2)

FUNCTIONS:

 In Line Filter with By-Pass  Shunt/Release Valve

REPAIR:



RP020010



RP010010

ITEM:

• RANDON • FACCHINI
 • NOMA • AND OTHERS
 • GUERRA

PARKING VALVE



OBSERVATION:

This valve is part of the 3G Panel and/or 4G Panel

CODE: VA020012
THREADS: M16 x 1,5mm (ports)
 M12 x 1,5mm (assembly with other valves in the panel)

FUNCTIONS:

 Spring Brake Protection
 Two Way Valve  Parking Valve

REPAIR:



RP040010



RP250005



RP010010

ITEM:

• RANDON • FACCHINI
 • NOMA • AND OTHERS
 • GUERRA



SHUNT/RELEASE VALVE



OBSERVATION:

This valve is part of the 4G Panel

CODE: VA120012
THREADS: M16 x 1,5mm (ports 1, 2 end 3)
 M12 x 1,5mm (port 1-2)

FUNCTIONS:

 In Line Filter with By-Pass  Emergency Valve
 Shunt/Release Valve

REPAIR:



RP020012

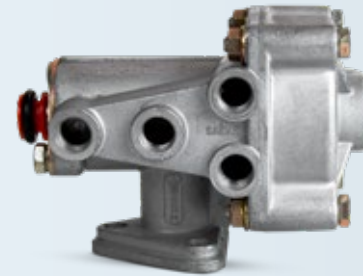


RP010012

ITEM:

• RANDON • FACCHINI
 • NOMA • AND OTHERS
 • GUERRA

EMERGENCY RELAY VALVE



CODE: OUTLET: THREADS:

VA080005	3	M16 x 1,5mm M22 x 1,5mm
VA010008	4	M16 x 1,5mm M22 x 1,5mm
VA060008	3	1/4" NPT 1/2" NPT

FUNCTIONS:

 Relay Valve  Emergency Valve

REPAIR:

RP080005



ITEM:

• RANDON • FACCHINI
 • NOMA • AND OTHERS
 • GUERRA

LIFT AXLE VALVE (PUSH/PULL)



OBSERVATION:

Panel application valve (2g, 3g and 4g panels)

CODE:

VA030012

THREADS:

M16 x 1,5mm (ports)
M12 x 1,5mm (assembly with other valves in the panel)

FUNCTIONS:

 Lift Axle Valve (Push-Pull Valve)

REPAIR:



RP620005

RP010010

ITEM:

- RANDON
- NOMA
- GUERRA
- FACCHINI
- AND OTHERS

LIFT AXLE VALVE (PUSH/PULL)



OBSERVATION:

Panel application valve (2g, 3g and 4g panels)

CODE:

VA090012

THREADS:

M16 x 1,5mm (ports)
M12 x 1,5mm (assembly with other valves in the panel)

FUNCTIONS:

 Lift Axle Valve (Push-Pull Valve)

REPAIR:



RP620005

RP010010

ITEM:

- RANDON
- NOMA
- GUERRA
- FACCHINI
- AND OTHERS



LIFT AXLE VALVE (PUSH/PULL)



CODE:

VA280005

THREADS:

M16 x 1,5mm

FUNCTIONS:

 Lift Axle Valve (Push-Pull Valve)

REPAIR:



RP590005

RP690005

ITEM:

- RANDON
- NOMA
- GUERRA
- FACCHINI
- AND OTHERS

LIFT AXLE VALVE (PUSH/PULL)



CODE:

VA050014

OBSERVATION:

Panel application valve

THREADS:

M16 x 1,5mm (outlet port)
M12 x 1,5mm (inlet port)

FUNCTIONS:

 Lift Axle Valve (Push-Pull Valve)

REPAIR:



RP620005

RP010010

ITEM:

- RANDON
- NOMA
- GUERRA
- FACCHINI
- AND OTHERS

RELAY VALVE



CODE:
VA150023

THREADS:
M16 x 1,5mm
M22 x 1,5mm

FUNÇÕES:



Válvula
Relé

REPAIR:
RP150023



ITEM:

- RANDON
- GUERRA
- LIBRELATO
- NOMA
- FACCHINI
- AND OTHERS

RELAY VALVE - PREVIOUS MODELS



RP150022
Relay Valve Repair
VA150022



RP150019
Relay Valve Repair
VA150029



RP150005
Relay Valve Repair
VA150005

NOTE: Previous relay valve models - apart from VA150023, were discontinued. You can still purchase the repairs "RP150005; RP150019 e RP150022. Contact us and check the availability and detailed compatibility of the models.



QUICK RELEASE VALVE



CODE: VA020005 **THREADS:** M16 x 1,5mm

VA170005 M16 x 1,5mm
M22 x 1,5mm

VA200005 1/4" NPT
1/2" NPT

FUNCTIONS:



Quick
Release

REPAIR:
RP020005



ITEM:

- RANDON
- GUERRA
- LIBRELATO
- NOMA
- FACCHINI
- AND OTHERS

QUICK RELEASE VALVE WITH LOCKING FUNCTION

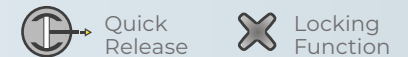


OBSERVATION:

Quick release valve with locking function.

CODE: VA090008 **THREADS:** M16 x 1,5mm
M22 x 1,5mm

FUNCTIONS:



Quick
Release

Locking
Function

REPAIR:
RP090008



ITEM:

- NOMA
- GUERRA
- FACCHINI
- AND OTHERS

LEVELLING VALVE (W/O STOPPING STROKE)



CODE:

VA260005

THREADS:

M12 x 1,5mm

FUNCTIONS:



ITEM:

- RANDON · GUERRA · LIBRELATO
- NOMA · FACCHINI · AND OTHERS

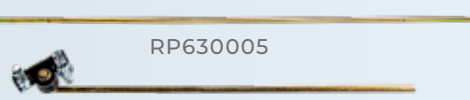
ACCESSORIES:



RP540005



RP560005



RP630005

RP550005

LEVELLING VALVE (W/ STOPPING STROKE)



CODE:

VA050009

THREADS:

M12 x 1,5mm
M16 x 1,5mm

FUNCTIONS:



ITEM:

- RANDON · GUERRA · LIBRELATO
- NOMA · FACCHINI · AND OTHERS

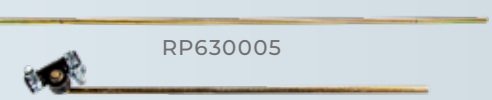
ACCESSORIES:



RP540005



RP560005

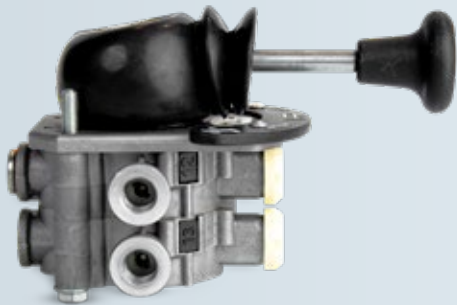


RP630005

RP550005



HEIGHT ADJUST VALVE



CODE:

VA060009

THREADS:

M16 x 1,5mm

FUNCTIONS:



ITEM:

- RANDON · GUERRA · LIBRELATO
- NOMA · FACCHINI · AND OTHERS

OVERFLOW VALVE



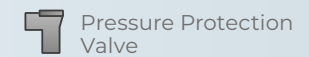
CODE:

VA290005

THREADS:

M16 x 1,5mm

FUNCTIONS:



ITEM:

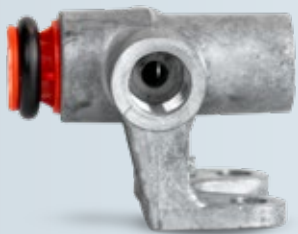
- RANDON · GUERRA · AND OTHERS
- NOMA · FACCHINI

REPAIR:

RP290005



SPRING-BRAKE PROTECTION VALVE



CODE:

VA250005

THREADS:

M16 x 1,5mm

FUNCTIONS:



Spring Brake Protection

REPAIR:
RP250005



ITEM:

· RANDON · GUERRA · AND OTHERS
· NOMA · FACCHINI

2/2 WAY VALVE



CODE:

VA310005

THREADS:

M16 x 1,5mm

FUNCTIONS:



Locking Function

REPAIR:
RP070005



ITEM:

· RANDON · GUERRA · AND OTHERS
· NOMA · FACCHINI

3/2 WAY VALVE



CODE:

VA300005

THREADS:

M16 x 1,5mm

FUNCTIONS:



Locking Function

REPARO:
RP070005



ITEM:

· RANDON · GUERRA · AND OTHERS
· NOMA · FACCHINI



DOUBLE 3/2 WAY VALVE



CODE:

VA060015

THREADS:

M16 x 1,5mm

FUNCTIONS:



Locking Function

REPARO:
RP070005



ITEM:

· NOMA · FACCHINI · AND OTHERS
· GUERRA · LIBRELATO

TWO WAY VALVE



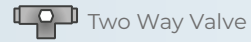
CODE:

VA030008

THREADS:

M16 x 1,5mm

FUNCTIONS:



Two Way Valve

REPAIR:

RP050008



ITEM:

- RANDON · GUERRA · AND OTHERS
- NOMA · FACCHINI

TWO WAY VALVE



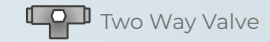
CODE:

VA050008

THREADS:

M16 x 1,5mm

FUNCTIONS:



Two Way Valve

REPAIR:

RP050008



ITEM:

- RANDON · GUERRA · AND OTHERS
- NOMA · FACCHINI



SELECT LOW VALVE



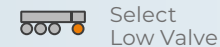
CODE:

VA050016

THREADS:

M16 x 1,5mm

FUNCTIONS:



Select Low Valve

REPAIR:

RP050016



ITEM:

- NOMA · FACCHINI
- GUERRA · AND OTHERS

SELECT LOW VALVE W/ LOCKING FUNCTION



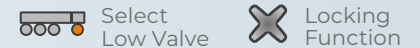
CODE:

VA040016

THREADS:

M16 x 1,5mm

FUNCTIONS:



Select Low Valve

Locking Function

REPAIR:

RP040016



ITEM:

- NOMA · FACCHINI
- GUERRA · AND OTHERS

PRESSURE REGULATOR VALVE




OBSERVATION:

The VA010020 part number replaces the old VA050012

CODE: THREADS:

VA010020 1/8" BSP
VA030022 1/4" BSP

FUNCTIONS:

 Pressure Regulator Valve

ITEM:

- NOMA • FACCHINI • AND OTHERS
- GUERRA • LIBRELATO

MANOMETER WITH GLYCERIN



CODE:

IC015705

FIXATION:

External Thread 1/8" BSP

ITEM:

- NOMA • FACCHINI • AND OTHERS
- GUERRA • LIBRELATO




IN LINE FILTER (BY-PASS)



CODE: **BODY:** **THREADS:**
VA050022 Plastic M16 x 1,5mm

FUNCTIONS:

 In Line Filter with By-Pass

REPAIR:



RP050005

ITEM:

- RANDON • GUERRA • AND OTHERS
- NOMA • FACCHINI

IN LINE FILTER (BY-PASS)



CODE: **BODY:** **THREADS:**
VA050005 Aluminium M16 x 1,5mm
VA070011 Aluminium M22 x 1,5mm

FUNCTIONS:

 In Line Filter with By-Pass

REPAIR:



RP050005

ITEM:

- RANDON • GUERRA • AND OTHERS
- NOMA • FACCHINI

EMERGENCY MANUAL COUPLING HEAD



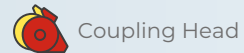
CODE:

VA230005

THREADS:

M16 x 1,5mm

FUNCTIONS:



REPAIR:



RP230005

ITEM:

- RANDON · GUERRA · LIBRELATO
- NOMA · FACCHINI · AND OTHERS

SERVICE MANUAL COUPLING HEAD



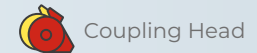
CODE:

VA240005

THREADS:

M16 x 1,5mm

FUNCTIONS:



REPAIR:



RP230005

ITEM:

- RANDON · GUERRA · LIBRELATO
- NOMA · FACCHINI · AND OTHERS



EMERGENCY AUTOMATIC COUPLING HEAD



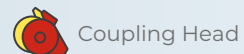
CODE:

VA130005

THREADS:

M16 x 1,5mm

FUNCTIONS:



REPAIR:



RP130005

ITEM:

- RANDON · GUERRA · LIBRELATO
- NOMA · FACCHINI · AND OTHERS

SERVICE AUTOMATIC COUPLING HEAD



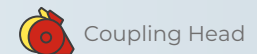
CODE:

VA140005

THREADS:

M16 x 1,5mm

FUNCTIONS:



REPAIR:



RP130005

ITEM:

- RANDON · GUERRA · LIBRELATO
- NOMA · FACCHINI · AND OTHERS

MANIFOLD WITH TWO OUTLETS

NEW MODEL



CODE:

VA070008

THREADS:

M16 x 1,5mm

FUNCTIONS:



ITEM:

- RANDON · GUERRA · LIBRELATO
- NOMA · FACCHINI · AND OTHERS

MANIFOLD WITH FOUR OUTLETS

CODE:

VA080008

THREADS:

M16 x 1,5mm

FUNCTIONS:



ITEM:

- RANDON · GUERRA · LIBRELATO
- NOMA · FACCHINI · AND OTHERS



PORT PROTECTOR

NEW MODEL



CODE: **THREADS:**

IC024805 M16 x 1,5mm

IC028905 1/8" BSP

IC024905 M28x1,5mm

ITEM:

- RANDON · GUERRA · LIBRELATO
- NOMA · FACCHINI · AND OTHERS

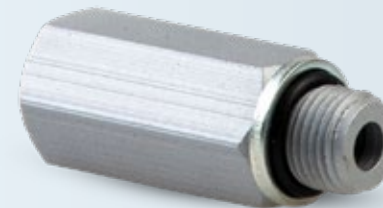
ONE WAY VALVE WITHOUT RETURN

CODE:

VA110005

THREADS:

M16 x 1,5mm



ITEM:

- RANDON · GUERRA · LIBRELATO
- NOMA · FACCHINI · AND OTHERS

BRACKET AND COVER ASSEMBLY



CODE:	VALVES
PA010009	2 valves
PA020009	3 valves
PA040009	4 valves

ITEM:

- RANDON
- NOMA
- GUERRA
- FACCHINI
- AND OTHERS

PLASTIC COVER



CODE:
PA010107

ITEM:

- RANDON
- NOMA
- GUERRA
- FACCHINI
- AND OTHERS

GLOSSARY



SELF-STEERING AXLE CONTROL PANELS

It pneumatically sets up the self-steering axle.



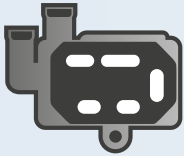
SLACK ADJUSTER

Automatically compensates the break lines detrition, adjusting its gap regarding the drum, avoiding unnecessary friction and system overheating.



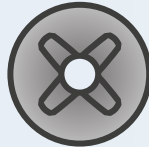
EMERGENCY VALVE

Automatically activates brake application in case of system depressurization.



TS - TRAILER STABILITY

Works together with the ABS to control the stability of the implement, enabling prior detection of possible tipping and its correction.



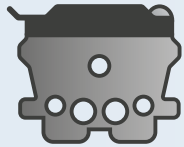
LIFT AXLE VALVE (PUSH-PULL VALVE)

Raises the axles to save tires when the vehicle is unloaded.



SPRING-BRAKE PROTECTION VALVE

Prevents the involuntary application of the parking brake ("spring-brake") when the pressure is below 5 bar.



ABS - ANTI-LOCK BRAKE SYSTEM

Helps maintain control during emergency braking and improves efficiency in low grip conditions.



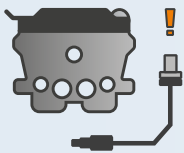
SHUNT/RELEASE VALVE

Used to move the vehicle without the need to pressurize the entire brake system.



RELAY VALVE

Braking modulation according to the signal received from the pedal/driver, it also decreases the response time in long/combined vehicles.



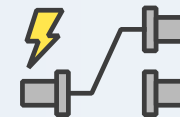
ABS SENSOR

Used in the ABS brake system to measure wheel speed on various trailer models.



PARKING VALVE

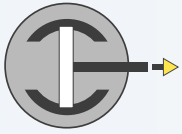
It allows the implement to be safely uncoupled.



SOLENOID PILOT

3/2 way normally closed electrically operated valve, used in the control of the self-steered axle.

GLOSSARY



QUICK RELEASE

Quick release of the compressed air from the brake chambers.



LOCKING FUNCTION

It does not allow the axle braking when it is raised/out of roll.



MANIFOLD

Distribution of compressed air from 1 inlet in 2 or more outlets.



TWO WAY VALVE

It is the anti-compound system of the braking modes, which is the double activation by the brake pedal and/or parking.



PRESSURE PROTECTION VALVE

It is used in the protection of the airbags when the vehicle is equipped with pneumatic suspension.



COUPLING HEAD

Allows the supply of compressed air to the towed vehicle (red/emergency) and the brake control signal (yellow/service).



SELECT LOW VALVE

It has the function of a 3rd mechanical modulator, applied to the steered axle.



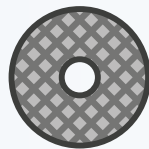
PRESSURE REGULATOR VALVE

Regulates the pressure of the suspension airbags for vehicles with mixed suspension, or the pressure of the alignment airbags for self-steering axle.



LEVELING VALVE

Allows to keep the chassis height, regardless of load condition of the vehicle.



IN LINE FILTER WITH BY-PASS

Protects the pneumatic brake and suspension system.



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