BERINGER

Wheels - Brakes - Landing Gear

2026

EN

«Where Innovation meets Safety»

www.beringer-aero.com
shop-beringeraero.com

Mike Patey, Scrappy

"BERINGER brakes are phenomenal. The quality of machining, engineering, and performance of these brakes is of the highest caliber, and I am so happy with the way they perform."

Bryan Bowen
Bowen Aero LLC

"By working closely with the team at BERINGER we developed a purpose-built parts list specifically for Kitfox aircraft—and the results speak for themselves. The dramatic improvement in braking performance returned STOL Drag #4 to the front of the pack, ultimately earning the 2022 Silver Class World Championship"

Mike Goulian, USA
Edge 540 /Extra 330SC
Air Show / Red Bull Air Race Pilot

"I switched to BERINGER brakes on my Red Bull Air Race Edge 540 and absolutely love them. The BERINGER system is much lighter than the legacy system on my plane but the stopping power makes all the difference in the world. I simply had to have the BERINGER brakes on my Extra 330 as well."

Aude LEMORDANT, MXS
Aerobatic Pilot 4 times World Champion, Unlimited class

"I thank all BERINGER team for its amazing products. I love them ! I had to have BERINGER brakes on my new plane, of course ! "

Kevin Quinn, Carbon Cub
STOL Drag Llc

«Having over 8 000 hours in the off airport environment, I can truly say there are no better wheels and brakes than BERINGER! The quality and performance is second to none! I truly love them! Do they make my tires look fat ? :) »

Contacts	Page 4
Webshop	Page 5
BERINGER AERO Technology	Pages 6 - 8
Aerotec+ - new Patents	Pages 9 - 10
BERINGER History - Company Values	Pages 11 - 12
Wheels / Brakes	Pages 13 - 19
Nose Wheels / Tailwheels	Pages 20 - 24
SensAIR ®	Pages 25 - 26
Tires	Pages 27 - 28
Wheel Axles	Pages 29 - 33
Landing Gear : ALG / Shock Wheel / B'FleX / SPEED'AIR fairings	Pages 34 - 39
Hydraulic Hoses/Fittings	Pages 40 - 41
Brake Master Cylinders : pedal/cockpit/stick - Rudd'Air pedals	Pages 42 - 65
Regulator - Anti-skid / Pressure limiter	Pages 66 - 68
Parking Brake Valve	Pages 69 - 70
Spare Parts	Pages 71
Tools	Pages 72
FAQs	Page 73 - 76
Certified kits - STCs	Pages 77 - 86
Kits for Experimental & Light aircraft / Gliders	Pages 87 - 143
They trust us	Page 143

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

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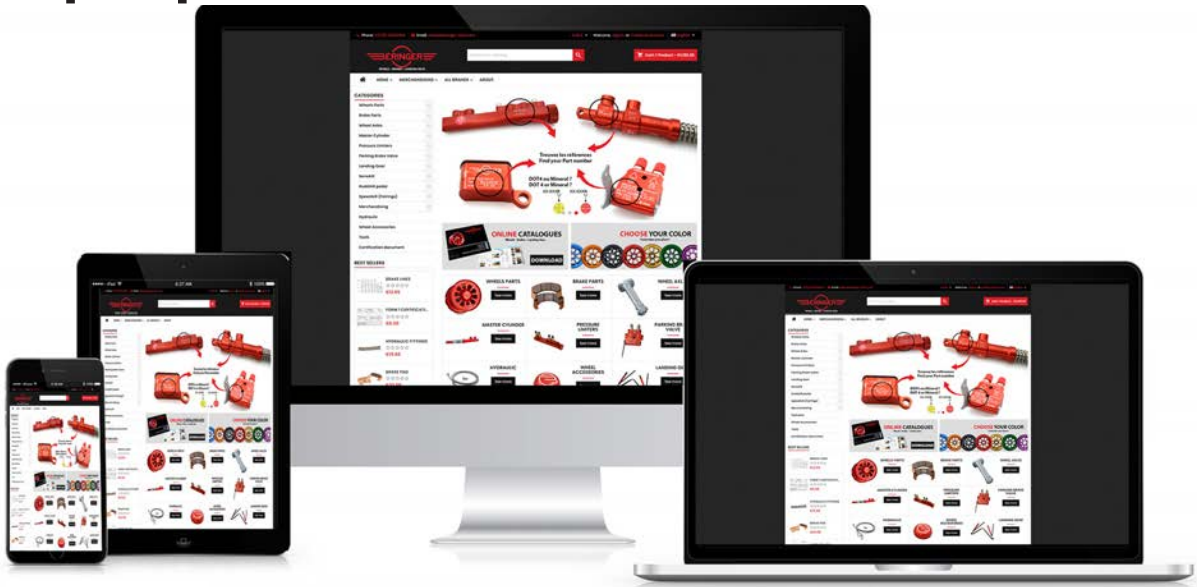
Welcome to the BERINGER Webshop
All spare part in 1 click !



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Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

BERINGER - An advanced Technology

BERINGER Wheels and Brakes are designed to provide the best stopping power and the reliability you are expecting from a braking system. We will help you to choose the dimension and brake torque adapted to your aircraft. We have a large range of assemblies: wheel / brake caliper / brake pad / brake disc.
We also design and manufacture the optimal upstream components: reservoirs, master cylinders, the ALIR anti-skid system, and parking brakes. All these are tied together with top-quality braided stainless steel Teflon lines and proper fittings.

BERINGER Wheels

High strength aluminum alloy CNC machined from solid, anodized for optimal corrosion resistance.

- TUBELESS wheel with O-rings and rigid valve
- SEALED BALL BEARINGS for optimal durability: greased for life, no repack
- Very low rolling drag

During the design of a wheel we focus on three criteria: strength, weight, and durability. First, we assess the overall design and apply our experience and some hand calculations. Then we build a 3D model on CAD software and run FEM (finite element analysis) in the optimizing process, where we remove material from one side to add it on another, etc... till the result is satisfying for us with an optimized strength/weight ratio.
Then we make prototypes and start the qualifying process on our own test benches.

BERINGER Brake Calipers/Discs

Covered by the AEROTEC® patents
Brake Calipers :

- Body made of aerospace alloy to withstand high temperatures (>200Mpa at 200°C)
- Sintered metallic pads bonded on a backplate (not riveted)
- 2 or 3 stainless steel polished pistons
- Available for DOT4 fluid OR for MINERAL (MIL FLUID) (seals are different- specify and never mix)
- 2 inlets/outlets, thread size M10x1 (for brake fluid)

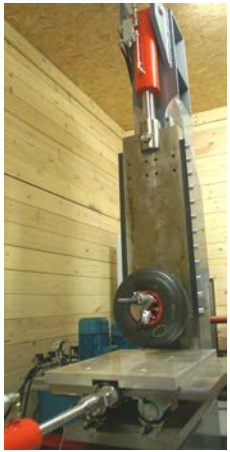
Brake Discs :

- Made of highest quality material for thermal stability and long life
- Stainless steel discs or high strength steel discs with coating

Patent
BERINGER AERO

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

BERINGER AERO Research & Development Laboratory



← ↑ 440,00Lbs Hydraulic press for ultimate load tests

Roll tests : 29" tires →

The BERINGER R&D laboratory is dedicated to Research, Development and Certification tests. On the wheel itself we do 3 different tests :

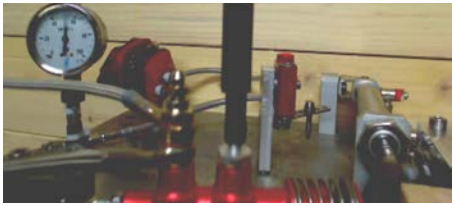
- Load test: we apply different loadings on the wheel and tire (radial and side load) to check the strength and load rating of the wheel. Ultimate load tests go up to 6 times the static load using our 40,000 lb hydraulic press capacity.
- Pressure test: mounted tire is inflated with water up to 3.5 times the maximum inflation pressure to check bolts' strength and wheel stiffness.
- Roll test : wheel is pressed on a rotating drum for 1000 miles at maximum static load to detect eventual fatigue problems or bearing failure, etc...

When the wheel has passed all the tests then we install the wheel on an aircraft for ground and flight checks...
Note : When we designed Solar Impusle's unique main wheel, BERINGER's proprietary dynamometer was employed, because of the BERINGER AERO wheel strength and our dyno exceptional ability to load and measure the tire. On the aircraft, that tire and its Beringer wheel (5.00-5) were of course run tubeless, at a pressure of 10 bar (over 140psi) and a static load of 3,850lbs (2.7 times more than rated load).

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

← Braking test on our dynamometer to evaluate the kinetic energy capacity of the braking system caliper/disc

Endurance test for the complete braking circuit : 200.000 cycles of pressure input →



Many tests are done to certify brake calipers and discs. One of those tests is the dynamic torque test; for this test we use our dynamometer. The kinetic energy capacity is tested with this machine. The dyno allows us to push the brake system to its limits. Many sensors are installed to measure temperatures.
All these tests are performed to ensure the total safety and reliability of the brake system.
Kinetic energy values indicated in the next pages are not only calculated but measured and checked on real tests.

The endurance test is also a proof of quality and durability.
The purpose of this test is to verify the life of the parts. The certification test requires 100,000 cycles at maximum operating pressure, but we test our parts to a minimum 200,000 cycles. This represents more cycles than the brake system will be subjected to in the entire aircraft life.

The patented ALG landing gear had to go through several tests for the certification process (FAA-EASA) :

- Load tests on the hydraulic press : break test
- Drop Test : simulation of a 1000 ft/mn impact on the ground

→ ALG landing gear drop Test Video

AEROTEC+
Concentrate of Innovation

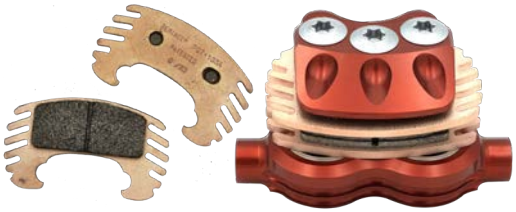
New Brake Technology

+ 15 to 30% kinetic energy
+ 20% braking torque
= reduced landing distance

BERINGER AERO innovates and takes a step forward with a new patented braking technology : AEROTEC+
The culmination of decades of production, testing, and experience, AEROTEC+ now offers a fundamentally new package designed for safety and increased performance !

4 New international patents

- *Ventilated pads = better heat dissipation*
- *Cooling fins on calipers = Lower temperature*
- *Calipers made of a special high temperature aluminum alloy*
- *Increased operating pressure and braking torque*



FEATURES +

Upgraded disc low carbon steel : the brake disc has been redesigned with a special steel alloy to increase the coefficient of friction while also handling higher temperatures.

Two floating brake pads : provides cooling from all sides, therefore lowering operating temperature for reduced pad wear and better caliper protection. Furthermore, the brake pad back plate has cooling fins to increase surface area and is made of a special steel alloy rated for higher temperatures (Supports 20% more torque) .

Redesigned caliper : the brake caliper has been redesigned to increase rigidity for higher piston loads and incorporates new cooling fins to help dissipate heat. (20% more torque).

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

NEW BRAKE PADS FOR EA-003 FAMILLY

PRO ELITE
P/N PQT-110.1

Associated brake P/N EA-003.3N

Aerotec+ designed for flight school and other intensive use.

- ***+15% energy.***
- ***3 to 4 times longer lifetime than Standard and Legacy brake pads.***

STANDARD
P/N PQT-110.2

Associated brake P/N EA-003.3N

Standard brake pads in production.
Aerotec+ design for standard use.

- ***Higher heat dissipation than Legacy brake pads.***

Nota : Legacy P/N PQT-010 still available as spare parts

More info here or scan QR code

NEW BRAKE PADS FOR EA-016 & EA-017 FAMILLY

More info here or scan QR code

STANDARD
P/N PQT-103

Standard brake pads in production.
Aerotec+ design for standard use.

- **+15% energy**
- **Higher heat dissipation than Legacy brake pads**
- **Two floating pads provides cooling from all sides**
- **Made of a special steel ally rated for higher temperatures**
- **Lower operating temperature = better caliper protection**

Nota : Legacy P/N PQT-003 & 004 still available as spare parts for EA-006

History

1985 Gilbert Béringer created BERINGER Company helped by his wife Véronique. He has been manufacturing wheels, forks and side cars for motorbikes and then brakes, in the same spirit of quality and performance for 30 years. BERINGER won many tiltles in the World Endurance Championships thanks to a team of exceptional mechanical engineers who have studied and developed new products whose performance/weight ratio is without precedent.

2002 BERINGER Wheels & Brakes was born, when Gilbert Béringer, also a pilot and Aircraft builder fond of aviation, decided to apply his patented high performance braking solutions to the aeronautical world.

2009 BERINGER AERO was born and the Company leaved the motorbike and car business to BERINGER BRAKES.

2011 BERINGER AERO moved to Gap-Tallard airfield. Claire BERINGER, Gilbert's and Véronique's daughter, joined the Company after she graduated as Aeronautical & Energy Dipl. Engineer (including 5 months at Oakland University–Detroit, MI) topped with a Master's degree in Commercial and Management Operations.

2012 BERINGER AERO USA Inc. was born in Chicago to answer the US customer needs. The headquarters have moved to Greenville, SC in 2016.

2015 BERINGER Company celebrated its 30 year anniversary and started to diversify the products by designing the ALG landing gear to improve the safety of Taildragger Aircraft.

2017 BERINGER AERO USA got an FAA PMA production approval .

2019 BERINGER AERO expanded its facilities in Tallard to face the increased activity and to offer the optimal conditions of work to the staff members.

2022 BERINGER AERO USA moved to a new facility at Greenville Downtown Airport and celebrated its 10 year anniversary.

2024 AEROTEC+ technolgy is now available

2025 BERINGER celebrated its 40 year anniversary.

An advanced technology

BERINGER makes wheels and braking systems for a wide range of aircraft, from light aircraft up to its now-standard STC for the Pilatus PC-6, and the Cirrus SR20/22 plus complete kits for many popular aircraft, that include everything for a bolt-on conversion. These innovations are covered by 11 patents and have allowed BERINGER brakes to take a decisive technological lead.

Quality and Certification

BERINGER AERO is certified by the Alternative Procedures to Design Organisation Agreement given by EASA in 2006, by the Production Organisation Agreement given by DGAC in 2008 and by the PMA production approval given by the FAA.

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

QUALITY

BERINGER controls product quality to ensure total realiability to the users of wheels and brakes. This is evidenced by the Alternative Procedures to Design Organisation (DAO) Agreement given by EASA in 2006 and by the Production Organisation Agreement (PAO) given by DGAC in 2008.

CUSTOMER SERVICE

Customer service is one of our core values that we, as a team, work everyday toward. All of our servicing manuals and working cards can be found online : quicker and always updated !

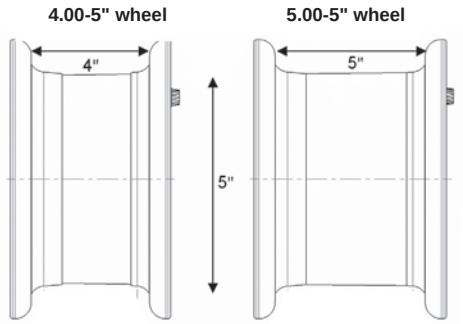
INNOVATION

BERINGER makes wheels and braking systems for a wide range of aircraft, from light aircraft up to its now standard STC for the Pilatus PC-6, Cirrus SR20/22 (since 2014), STC for Diamond Aircraft, Cessna 180-182 plus complete kits for many popular aircraft, that include everything for a bolt-on conversion. These innovations are covered by many patents and have allowed BERINGER brakes to take a decisive technological lead.

ETHICS

At BERINGER AERO, we hold ourselves to the highest standards of ethics and integrity. We are committed to conducting business with honesty, transparency, and a strong sense of responsibility. Our ethical principles guide every decision and action, ensuring that we prioritize the well-being of our stakeholders, foster a culture of fairness, and contribute positively to the communities we serve. Upholding ethical conduct is not just a commitment, but a fundamental part of our identity, reflecting our dedication to building trust, sustaining long-term relationships, and achieving sustainable success.

Wheels with brakes - 4" 5" 6" 8" 10" 12" Diameter



Conversion Lbs/kg

1 Lb <--> 0,45 kg
1 kg <--> 2,2 Lbs

Certification indication

CSTC CSTC TSO

General technical data :

- Wheel in 2 halves
- Made of high strength aluminum, machined from billet
- Sulfuric anodizing
- Tubeless for safety (O-ring and rigid valve)
- Waterproof bearings : no repack (stainless steel available in option)
- Patented brake calipers, Aerotec© with stainless steel pistons
- Sintered metallic brake pads, bounded on a backplate (not riveted)
- Floating disc
- Steel or aluminum axles (see Axle tab)
- Tubeless tires (see Tire tab)
- Stainless steel bearings optional

Depending on the aircraft specifications (weight, landing speed, engine horse power, tire diameter, …) and its use, you can refer to the following pages for the wheel and brake choice. Contact us and we will help you.

Notes :

- Finish : the red anodizing is the standard color for all parts. Other colors are available for the wheels, with an addition charge and leadtime. The brake calipers always remain red. ATTENTION colors may vary from one wheel to another.
- Wheel cap optional
- The first types of 5" and 6"wheels were made of 3 flanges instead of two with 3 O'ring seals instead of 2 (2 between the flanges and 1 for the valve).

→ Youtube BERINGER AERO technical support

How to remove a tubeless tire →

→ How to mount a tubeless tire

How to change the wheel clips →

Contacts
Webshop
BERINGER Aero Technology
Aerotec+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Aerotec Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Wheel / Brakes 4" diameter Wheels and brakes are sold separately

4" Wheel RF-013

The lightest 4" wheel/brake in the World! 2.43Lbs (1.10kg)
For light Aircraft up to 1102 Lb (500kg) MTOW
Single brake caliper with Aerotec® patent : stainless steel piston - sintered pads
Ultralight stainless steel disc
Tires available optionnal : see tire pages
Aluminum axle optionnal : see axle pages
Two bearing dimensions available (two axle dimensions)

Wheel P/N	Dimen-sion	ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper (Disc) P/N	Braking torque in.lbs	Standard energy ft/lbs	Brake weight Lbs (Kg)
RF-013.1	3.50-4"	4"	ø25-ø15	528 (230)	1848 (838)	1.48 (0.672)	EA-009.1	1400	105000	1.17 (0.530)

Wheel / Brakes 5" diameter Wheels and brakes are sold separately

5" Wheel Standard

For LSA, experimental and gliders
Widths available : 4.00 and 5.00
Single brake caliper with Aerotec® patent : stainless steel piston - sintered pads
Stainless steel floating disc
Tires available optionnal : see tire pages
Aluminum or steel axle optionnal : see axle pages
Option : wheel cap BH-002

Wheel P/N	Dimen-sion	ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper P/N (Disc included)	Braking torque in.lbs	Standard energy ft/lbs	Brake weight Lbs (Kg)
RF-019 CSTC	5.00-5"	5"	ø30-ø25	1518 (688)	6820 (3093)	3.42 (1.550)	EA-016 EA-017	3120	123000 153740	1.50 (0.682)
RF-020 CSTC	4.00-5"	5"	ø30-ø25	1140 (517)	5130 (2326)	3.24 (1.469)	EA-016 EA-017	3120	123000 153740	1.50 (0.682)

5" Wheel HL

For two seater Aircraft Van's type up to high landing speed Aircaft Lancair, Glasair, Aerobatic type
Widths available : 4.00 and 5.00
Different types of brakes depending on the required energy

- Single HE 2 piston caliper or Dual 4 piston caliper Aerotec® patent / cooling fins
- Sintered pads
- Several high strength floating discs

Tires available optionnal : see tire pages - Aluminum or steel axle : see axle pages
Option : wheel cap BH-002

Wheel P/N	Dimen-sion	ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper P/N (Disc included)	Braking torque in.lbs	Standard energy ft/lbs	Brake weight Lbs (Kg)
RF-018 CSTC TSO	5.00-5"	5"	ø30-ø25	1518 (688)	6820 (3093)	3.27 (1.485)	EA-002	4500	160000	2.34 (1.060)
							EA-002.2	4500	265000	2.89 (1.310)
RF-022	5.00-5"	5"	ø35-ø35	1518 (688)	6820 (3093)	3.27 (1.485)	EA-002	4500	160000	2.34 (1.060)
RF-021	4.00-5"	5"	ø30-ø25	1518 (688)	6820 (3093)	3.27 (1.485)	EA-002	4500	160000	2.34 (1.060)

5" SL Wheel
Vintage spoke wheel/brake

For Vintage Aircraft < 1350 Lbs
Dimensions 5.00-5" /aluminum wheel - stainless steel spokes
Single brake caliper - Aerotec® patent : stainless steel piston
Stainless steel floating disc - Sintered pads
Delievered with tire : 3.50-19" vintage style

Wheel P/N	Dimen-sion	ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Caliper P/N (Disc included)	Braking torque in.lbs	Standard energy ft/lbs	Complete set (wheel/brake/spokes/tire/tube) Weight lbs (Kg)
RF-041	5.00-5"	5"	ø30-ø25	968 (439)	3388 (1536)	EA-016.111	3120	123000	1.50 (0.682)

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Aerotec Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Wheel / Brakes 6" diameter Wheels and brakes are sold separately

6" Wheel SL

For Ultralight Aircraft and LSA
Widths available : 4.00 and 6.00 - Ultralight stainless steel foating disc
Wheel RF-009 : if tires >29" use DUAL caliper EA-016.20/017.20 (higher braking torque).
Wheel RF-014 6.00-6 SL : bigger bearing in the brake wheel flange
Tires available optionnal : see tire pages - Aluminum or steel axle : see axle pages
Option : wheel cap BH-002 (6.00-6") or BH-003 (4.00-6")

Wheel P/N	Dimen-sion	Ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper P/N (Disc included)	Braking torque in.lbs	Standard energy ft/lbs	Brake weight Lbs (Kg)
RF-004	4.00-6"	6"	ø30-ø25	968 (439)	3388 (1536)	3.14 (1.426)	EA-016 / EA-017	3120	123000 / 153740	1.50 (0.682)
RF-009	6.00-6"	6"	ø30-ø25	968 (439)	3388 (1536)	3.48 (1.580)	EA-016 / EA-017	3120	123000 / 153740	1.50 (0.682)
							EA-016.20 / 017.20 Dual	6240	123000 / 153740	3.48 (1.58)
RF-014	6.00-6"	6"	ø40-ø25	968 (439)	3388 (1536)	3.45 (1.563)	EA-016 / EA-017	3120	123000 / 153740	1.50 (0.682)
							EA-016.20 / 017.20 Dual	6240	123000 / 153740	3.45 (1.56)

6" Wheel LE

For two seater STOL Aircraft
Brake caliper : 2 piston - Aerotec® patent / cooling fins
Floating disc
Tires available : see tire pages
Option : wheel cap BH-006

Wheel P/N	Dimen-sion	Ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper P/N (Disc included)	Braking torque in.lbs	Standard energy ft/lbs	Brake weight Lbs (Kg)
RF-015.1 CSTC TSO	6.00-6"	6"	ø40-ø35	1430 (648)	5005 (2270)	4.37 (1.980)	EA-003.2	5130	177500	2.47 (1.120)
							EA-003.8	5130	177500	2.47 (1.120)
RF-015.2 CTSO	6.00-6"	6"	ø40-ø30	1430 (648)	5005 (2270)	4.53 (2.055)	EA-003.2	5130	177500	2.47 (1.120)
							EA-003.8	5130	177500	2.47 (1.120)

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

6" Wheel HE

For Aircraft between 1.2 and 1.8 tons (2,650 and 3,960 Lbs)
Different types of brakes depending on the required energy

- Single HE 2 piston caliper or Dual 4 piston caliper Aerotec® patent / cooling fins
- Sintered pads
- Several high strength floating discs

Tires available : see tire pages - Aluminum axle : see axle pages
Option : wheel cap BH-004

Wheel P/N	Dimen-sion	Ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper (Disc) P/N	Braking torque in.lbs	Standard energy ft/lbs	Brake weight Lbs (Kg)
RF-006 CSTC TSO	6.00-6"	6"	ø40-ø35	2080 (943)	7480 (3392)	4.99 (2.262)	EA-003	4900	235000	3.31 (1.500)
							EA-003.3	4900	430000	4.22 (1.914)
							EA-003.4 Dual	9800	430000	6.11 (2.770)
							EA-003.5 Dual	9800	405000	6.81 (3.090)
							EA-003.7	4900	405000	4.72 (2.140)
							EA-004 / Pro Elite pads	4900	430000 / 670050	4.14 (1.880)
							EA-004.1 Dual	9800	610000	7.63 (3.460)
							EA-004.2 Dual	9800	610000	7.56 (3.430)
							EA-004.3 Dual	9800	720000	7.65 (3.470)
RF-016 CSTC	6.00-6"	6"	ø45-ø45	1870 (848)	6545 (2968)	4.81 (2.180)	EA-003.2	5130	177500	2.47 (1.120)
							EA-003.3	4900	430000	4.22 (1.914)

6" Wheel HL

For Aircraft up to 2.5 tons (5,500 Lbs)
Different types of brakes depending on the required energy

- Single HL 2 piston caliper or Dual 4 piston caliper Aerotec® patent / cooling fins
- Sintered pads
- Several high strength floating discs

Tires available : see tire pages - Aluminum axle : see axle pages
Option : wheel cap BH-004

Wheel P/N	Dimen-sion	Ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper (Disc) P/N	Braking torque in.lbs	Standard energy ft/lbs	Brake weight Lbs (Kg)
RF-017 CSTC TSO	6.00-6"	6"	ø40-ø35	2310 (1047)	9460 (4291)	5.75 (2.067)	EA-004.1 Dual	9800	610000	7.63 (3.460)
							EA-004.2 Dual	9800	610000	7.56 (3.430)
							EA-004.3 Dual	9800	610000	7.63 (3.460)

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
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Wheel / Brakes 8" diameter Wheels and brakes are sold separately

8" Wheel SL
For Ultralight Aircraft and LSA
Ultralight stainless steel foating disc
Single or dual brakes available
Tires available optionnal : see tire pages - Aluminum or steel axle : see axle pages
Option : wheel cap BH-002

8" Wheel LE
New 2026 !
Brake caliper : Aerotec+® patent / cooling fins
Floating disc - Tires available optionnal : see tire pages
Aluminum or steel axle : see axle pages - Option : wheel cap

8" Wheel HE
For Aircraft > 2,5 tonnes (5,500 Lbs)
Brake caliper : 2 pistons or Dual 4 pistons - Aerotec® patent / cooling fins
Floating disc - Tires available optionnal : see tire pages
Aluminum or steel axle : see axle pages - Option : wheel cap BH-001

Wheel P/N	Dimen-sion	Ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper P/N (Disc included)	Braking torque in.lbs	Standard energy ft/lbs	Brake weight Lbs (Kg)
RF-028	7.00-8"	8"	ø30-ø25	770 (350)	2695 (1225)	5.56 (2.52)	EA-016 / EA-017	3120	123000	1.50 (0.682)
							EA-016.20 / EA-017.20 Dual	6240	123000	3.48 (1.58)
RF-037	7.00-8''	8''	Ø30-40	1615 (733)	5652 (2565)	5.97 (2.71)	EA-003.2	5130	177500	2.47 (1.120)
							EA-003.8	5130	177500	2.47 (1.120)
RF-010 CTSO	18x5.5"	8"	ø38.1-ø38.1	3058 (1387)	9625 (4365)	7.94 (3.600)	EA-008.1+ EA-008.2 / PQT-012	9300	650000	9.04(4.100)
							EA-008.1+ EA-008.2 / PQT-013	9800	710000	9.04(4.100)
RF-010.1	18x5.5"	8"	ø38.1-ø38.1	5507 (2497)	19275 (8743)	8.31 (3.768)	EA-008.7 Dual	18600	821000	12.846 (5.827)

Wheel / Brakes 10" - 12" diameter Wheels and brakes are sold separately

10" Wheel LE

C STC TSO

Designed for two seater STOL
Brake caliper : 2 pistons - Aerotec® patent / cooling fins
Floating disc
Tires available optionnal : see tire pages - Wheel caps

Wheel P/N	Dimen-sion	ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper (Disc) P/N	Braking torque in.lbs	Standard energy ft/lbs	Brake weight Lbs (Kg)
RF-024	8.50-10"	10"	ø40-ø40	1460 (662)	5010 (2272)	8.64 (3.918)	EA-010.1	8721	210000	3.50 (1.587)

10" Wheel
12" Wheel

C STC

Those two wheels were designed for the PC-6 Pilatus

- Brake caliper : 3 stainless steel pistons - Aerotec® patent
- Sintered pads (two types depending on the use)
- Long life floating discs (two types depending on the use)
- Wheel caps included

Wheel P/N	Dimension	ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper (Disc) P/N	Braking torque in.lbs	Standard energy ft/lbs	Brake weight Lbs (Kg)
RF-011	24 x 7.7"	10"	ø50-ø35	3080 (1397)	8160 (3701)	14.42 (6.543)	EA-001 PQT-008 ou PQT-016	16900	623000	11.06 (5.015)
RF-003	11.00-12"	12"	ø50-ø35	3080 (1397)	15820 (8160)	20.72 (9.400)				

10" Wheel HL

C STC

Brake caliper : Dual 4 pistons - Aerotec® patent / cooling fins
Steel floating disc
Wheel cap BH-001

Wheel P/N	Dimen-sion	ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper (Disc) P/N	Braking torque in.lbs	Standard energy ft/lbs	Brake weight Lbs (Kg)
RF-029	4.4 x10"	10"	ø50.8-ø50.8	4520 (2050)	15820 (7175)	13.84 (6.277)	EA-011.2 Dual	22350	1000000	15.64
RF-032	6.50-10"	10"	ø25.4-ø38.1	4520 (2050)	15820 (7175)	13 (5.91)	EA-018.1 Dual	22920	1100000	14.84

Contacts
Webshop
BERINGER Aero Technology
Aerotec+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
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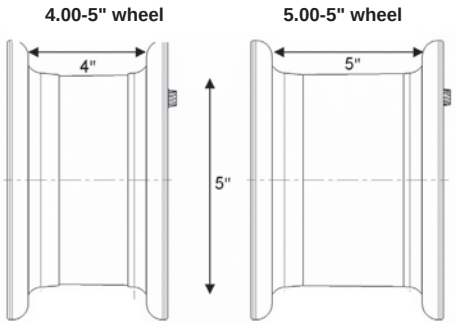
Nose wheels - Tailwheels - 4" 5" 6" 12.5"Diameter



Conversion Lbs/kg

1 Lb <--> 0,45 kg
1 kg <--> 2,2 Lbs

Certification indication

C STC C STC TSO

→ Youtube BERINGER AERO technical support

Wheel features :

- Wheel in 2 halves
- Made of high strength aluminum, machined from billet
- Sulfuric anodizing
- Tubeless for safety (O-ring and rigid valve)
- Waterproof bearings -no repack (stainless steel available in option)
- Steel or aluminum axles (see Axle tab)
- Tubeless tires (see Tire tab)
- Stainless steel bearings optional

Contact us and we will help you.

Notes :

- Finish : the red anodizing is the standard color for all parts. Other colors are available for the wheels, with an addition charge and leadtime. The brake calipers always remain red. ATTENTION colors may vary from one wheel to another.
- Wheel cap optional
- The first types of 5" and 6"wheels were made of 3 flanges instead of two with 3 O'ring seals instead of 2 (2 between the flanges and 1 for the valve).

How to remove a tubeless tire →

→ How to mount a tubeless tire

How to change the wheel clips →

Tailwheel

Wheel 200x50 with tube RA-004

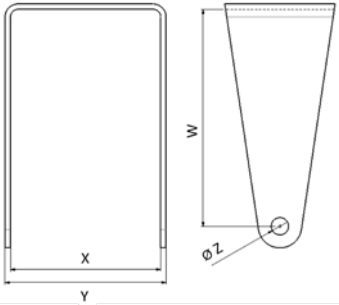
Designed for Pipistrel Sinus/Virus
Delivered mounted with tire 200x50/tube (price of tire and tube not included)
For axle 5/16" (see axle pages)
Weight : 9.45 oz / 268g
Fork mounting only

Wheel P/N	Dimension	ø mm	Ball bearings	Static Load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)
RA-004	200X500	200	ø10-ø10	337 (153)	1349 (612)	0.59 (0.268)

Wheels 4" diameter

4" Wheel Ultra light

Nose wheel for ultralight aircraft and LSA or bush tailwheel
High load - Cantilever or fork mounting (see axle pages)
Tires available optionnal (see tire pages)



Wheel P/N	Dimen-sion	Ø	Ball bearings	Static Load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Axle P/N (fork moun-ting)	Axle dimensions (standard sizes - Other dimen-sions available - ask us)
RA-003	3.50-4"	4"	ø20-ø15	539 (245)	1888 (856)	1.36 (0.620)	AXP-003 AXP-003.1 AXP-003.2 AXP-003.3 AXP-003.4	X=111 / Z=6.4 X=111 / Z=8.2 X=89 / Z=8.2 X=80 / Z=12.8 X=89 / Z=6.2

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

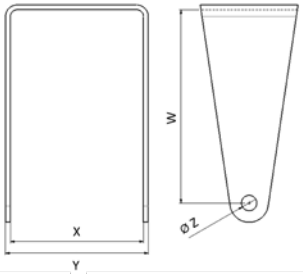
4" Wheel Fork mounting (Axle dimensions in the table)
RA-001 : for TT tire - RA-012 : for TL tire

Wheel P/N	Dimen-sion	ø	Ball bearings	Static Load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Axle P/N (fork mounting)	Axle dimensions (fork mounting)
RA-012	5.00-4"	4"	ø30-ø25	1034 (469)	2810 (1274)	2.43 (1.1)	AV-PIL-001	X=135 / Z=12
RA-001 CSTC	5.00-4"	4"	ø30-ø25	1034 (469)	2810 (1274)	2.43 (1.1)	AV-PIL-001	X=135 / Z=12

Wheels 5" diameter

5" Wheel Widths available : 4.00 and 5.00 - Cantilever or fork mounting (see axle pages)
(Axle dimensions in the table) - Tires available optionnal (see tire pages). Other dimension : contact us.

Wheel P/N	Certifica-tion	Dimen-sion	ø	Ball bearings	Static Load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Axle P/N (fork moun-ting)	Axle dimensions (fork mounting)
RA-015	CTSO	4.00-5"	5"	ø30-ø25	1140 (517)	5130 (2326)	3.10 (1.41)	AXP-007.1 AXP-007.2	X=107 / Z=9.8 X=138 / Z=9.8
RA-014	CTSO	5.00-5"	5"	ø30-ø25	1551 (703)	6968 (3160)	3.28 (1.490)	AXP-005 AXP-005.1	X=146.5 / Z=9.8 X=146.5 / Z=10



Wheels 6" diameter

6" Wheel SL Cantilever or fork mounting (see axle pages) - Widths available : 4.00 and 6.00
Tires available (see tire pages)
Note : other axle dimensions available. Contact us.

Wheel P/N	Dimen-sion	ø	Ball bearings	Static Load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Axle P/N (fork mounting)	Axle dimensions (fork mounting)
RA-009	4.00-6"	6"	ø30-ø25	970 (440)	3396 (1540)	2.93 (1.327)	AV-JAB-003	X=130 / Z=6.5
RA-010	6.00-6"	6"	ø30-ø25	970 (440)	3396 (1540)	3.26 (1.48)	AXP-004	X=210 / Z=8.1

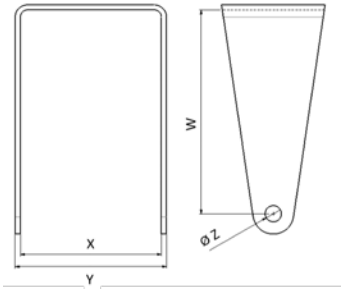
6" Wheel LE

Cantilever or fork mounting (see axle pages)
(Axle dimensions in the table)
Tires available optionnal (see tire pages) other axle dimensions available. Contact us.

Wheel P/N	Dimen-sion	ø	Ball bearings	Static Load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Axle P/N (fork mounting)	Axle dimensions (fork mounting)
RA-016	6.00-6"	6"	ø40-ø30	1430 (660)	5005 (2310)	4.45 (1.830)	AXP-006.1 AXP-006.2	X=195.6 / Z=38.1 X=167 / Z=31

6" Wheel HE-HL

Cantilever or fork mounting (see axle pages)
Tires available optionnal (see tire pages)



Wheel P/N	Dimension	ø	Ball bearings	Static Load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)
RA-005 CTSO	6.00-6" HE	6"	ø40-ø35	2135 (968)	7642 (3466)	4.56 (2.070)
RA-013 CTSO	6.00-6" HL	6"	ø40-ø35	2360 (1070)	9665 (4383)	5.41 (2.455)

Wheel 12.5" diameter

CSTC TSO

Nose wheel for DHC-6 Twin Otter
CNC aeronautical high grade aluminum, 3 times more resistant than Magnesium
No corrosion
Sealed bearings (very low maintenance)

Wheel P/N	Dimension	ø	Ball bearings	Static Load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)
RA-008	8.90-12.5"	12.5"	ø41.28-ø41.28	2023 (917)	9103 (4128)	16.43 (7.45)

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
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Crosswind… Are you ready ?
Ground-Loop Resistant tailwheel :
Safety for taildraggers

Patent
BERINGER AERO

Two-pivot system, locking lever in the cockpit :

- Unlocked : the tailwheel is free castering for parking. Steering is done with the brakes.
- Locked : the tailwheel is locked with a freedom of +/- 20° for take off, landing and taxiing. Steering is done with the rudder pedals.

Solid design for off-airport use.

The GLR tailwheel, combined with the ALG landing gear, can be considered as the ULTIMATE SOLUTION for Bushplanes .

Bring a whole new dimension of freedom to your STOL with BERINGER equipments !

Unlocked : the wheel is free. Castering (steering is done with the brakes)

Locked : the connection wheel/rudder is rigid with a freedom of +/-20° (steering is done with the rudder pedals)

Available in two tire sizes dimension
Max Static Load :

- **2.80/2.50-4" : 115 kg / 254 Lbs**
- **4.00-4" : 88 kg / 194 Lbs**

BERINGER GLR (Ground Loop Resistant) tailwheel is NOT compatible with T3 suspension.

AV-ZLIN-630

AV-CUB-210

P/N	Aircraft make/Model GLR tailwheel Description	Wheel Ø	Tire	Lbs	kg
AV-BRM-620	BRM AERO/XL8 small wheel	4"	2.80/2.50-4"	8.31	3.77
AV-CUBC-630	Carbon Cub big wheel	4"	4.00-4"	9.08	4.12
AV-MENES-630	H. Nicollier/Menestrel big wheel	4"	4.00-4"	9.08	4.12
AV-JOD-630	Jodel XXX big wheel Buy a leaf from Aircraft Spruce P/N 06-14300	4"	4.00-4"	9.08	4.12
AV-MAV-630	Maverick big wheel	4"	4.00-4"	9.08	4.12
AV-GROP-620	Nando Groppo/ Trail/G70 small wheel Buy a leaf from Aircraft Spruce P/N 06-14300	4"	2.80/2.50-4"	8.31	3.77
AV-GROP-630	Nando Groppo/ Trail/G70 big wheel Buy a leaf from Aircraft Spruce P/N 06-14300	4"	4.00-4"	9.08	4.12
AV-ZLIN-620	Zlin Aviation/Savage small wheel	4"	2.80/2.50-4"	8.31	3.77
AV-ZLIN-630	Zlin Aviation/Savage big wheel	4"	4.00-4"	9.08	4.12
AV-SVNA-620	ICP/Savannah small wheel	4"	2.80/2.50-4"	8.31	3.77
AV-SVNA-630	ICP/Savannah big wheel	4"	4.00-4"	9.08	4.12
AV-ZENI-630	Zenair 601UL-XL classic big wheel	4"	4.00-4"	9.08	4.12
AV-CUB-210	Control lever to unlock	-	-	-	-

Tire Pressure and Temperature Monitoring System

The new SensAIR system is connected to a mobile app on your smartphone thanks to pressure and temperature sensors slided over your BERINGER rim.

Sensors are normally switched off to save the battery (2 to 3 years lifetime) and are activated when the smartphone is detected within a 10m/3ft radius.

SensAIR communicates data to the app with a single code per wheel so there is no risk to measure the data of another tire in the hangar...

Low pressure and temperature levels are set by the user on his smartphone so he can receive a notification.

No need to ramp under your plane to check pressure anymore, thanks to SensAIR you can check your pressure before and during each flight !

sensAIR®
Patented BERINGER

PATENTED

NEW : SensAIR is included in BERINGER wheel/brake STC for :

STC

- ✓ Cirrus SR20/22
- ✓ Piper PA-46
- ✓ Cessna 180/182
- ✓ Diamond DA40/42/62

(FAA & EASA approved)

SensAIR features :

- Balanced system with one pressure and temperature sensor per wheel
- To be connected to a mobile app or analog reader with Bluetooth
- 1 ID by sensor
- The sensor switches on when the app is connected, then switches back to sleep mode to save battery (lifetime about 2 to 3 years)
- One size of carbon ring per wheel size, same sensor
- All STC can receive the SensAIR system
- Retrofitable on all BERINGER wheels
- Weight of one assembly for one wheel = 3,3oz

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

How to order SensAIR ?

P/N	Size of wheel	Qty per wheel
TP-004	4"	1
TP-005	5"	1
TP-006	6"	1
TP-008	8"	1

Already assembled and identified by a unique ID (FLI)

What comes with SensAIR :

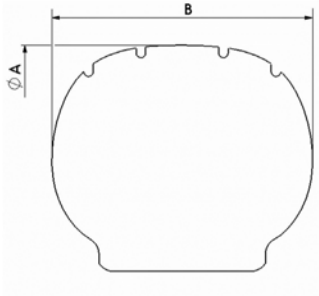
Special packaging : >SensAIR skin packed with ID card (P/N, S/N, app password)
> Installation manual

sensAIR®
Patented by BERINGER

SensAIR is a registered trademark of BERINGER

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Dimension of a tire



4.00-5"
B C

15x6.00-6"
A B C

A : Tire external diameter (inches)
B : Tire width (inches)
C : Tire internal diameter (inches)

Conversion Lbs/kg

1 Lb <--> 0,45 kg
1 kg <--> 2,2 Lbs

Notes :

- We highly recommand the tire installation by BERINGER for all new wheels and tires bought at BERINGER. This service, charged in addition, includes a pressure test to ensure the conformity of the installation.
- We recommend the tire changing to be done by a BERINGER Service Center, with the specific BERINGER tool.
- Dimensions and weight can vary. BERINGER AERO is not liable for the load or speed rating variations.

The tire choice can lead to a different wheel size.
The following chart lists all the wheel sizes and their matching tire sizes.
Do not hesitate to contact us for more information.

→ Youtube BERINGER AERO technical support

How to remove a tubeless tire →

→ How to mount a tubeless tire

Tire P/N	Description	ø A Inch	Width B Inch	Static load Lbs	Weight Lbs	Weight Kg	Wheel correspondance
PAG05	Tire and tube 200x50 6PLY TT	7.90	2.00	-	1.10	0.50	RA-004
PAG07	Tire 2.80/2.50-4'' 4PLY Kenda TL	9.00	2.80	411	1.32	0.60	3.50-4
S-390	Tire 9x3.50-4" 4Ply Cheng Shin	9.00	3.50	-	1.76	0.80	3.50-4
025-602-0	Tire 11x4.00-5" Michelin	11.00	3.00	1400	4.54	2.00	4.00-5

Contacts
Webshop
BERINGER Aero Technology
AEROTECH Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Tire P/N	Description	ø A Inch	Width B Inch	Static load Lbs	Weight Lbs	Weight Kg	Wheel correspondance
PAG01	Tire 4.00-4'' 4PLY Kenda TL	11.90	3.90	-	2.20	1.00	3.50-4
PAG10	Tire 4.00-4'' 6PLY Secura TL	11.90	3.90	-	3.09	1.4	3.50-4
505T08-1	Tire 5.00-5" 10PLY FE LT Goodyear TL	14.20	4.95	2150	6.80	3.08	5.00-5
070-310-0	Tire 5.00-5" 8PLY Michelin Air TL	14.20	4.70	1800	5.73	2.60	5.00-5
PAD01	Tire 4.00-6" 6PLY Mitas TT	14.50	4.40	-	2.87	1.30	4.00-6
PAD03	Tire 4.00-6" 6PLY Aero Classic TL	14.50	4.40	-	3.75	1.70	4.00-6
TK2077A	Tire 4.00-6" 6PLY MDO	13.80	4.10	570	4.20	1.90	4.00-6
TK107A	Tire 4.00-6" 8PLY AeroClassic	13.30	4.13	849	5.50	2.50	4.00-6
PAC03	Tire 13x5.00-6" 4PLY Deli TT	13.40	4.70	-	2.87	1.30	4.00-6
PAC04	Tire 13x5.00-6" 8PLY Mitas TL	13.40	4.70	-	3.30	1.50	4.00-6
PAC08	Tire 15x6.00-6" 10PLY Flight Custom II GoodYear TL	14.50	5.30	3200	9.70	4.40	4.00-6
PAC02	Tire 15x6.00-6" 6PLY Mitas TL	14.80	5.10	-	4.85	2.20	4.00-6
PAC10	Tire 15x6.00-6" 4PLY Kenda TL	14.80	5.10	-	5.69	2.58	3.50-4
PAC05	Tire 15x6.00-6" 6PLY Air Trac TT	15.00	5.30	1950	6.17	2.80	4.00-6
PAB01	Tire 380x150-5" 6PLY Michelin Air TT	15.00	5.50	1598	6.61	3.00	5.00-5
025-501-1	Tire 15x6.00-6" 6PLY Michelin Air TL	15.00	5.30	1950	7.27	3.30	4.00-6/6.00-6
PAB03	Tire 6.00-6" 6PLY AirTrac TT	17.50	6.30	1150	6.83	3.10	4.00-6/6.00-6
070-317-1	Tire 6.00-6" 8PLY Michelin Air TL	17.50	6.30	2350	9.26	4.20	4.00-6/6.00-6
606T86-3	Tire 6.00-6" 8PLY Flight Custom III GoodYear TL	17.50	6.30	2350	13.00	5.90	4.00-6/6.00-6
PAF03	Tire 21x8.00-6'' 4PLY Aero Classic TL	20.50	7.10	800	10.80	4.90	6.00-6
076-325-0	Tire 8.50-6" 6PLY Michelin TL	21.00	7.50	2275	15.43	7.00	6.00-6
PAF05	Tire Bush 22x8.50-6'' 4PLY Aero Classic TT	22.00	8.10	1600	8.82	4.00	6.00-6
PAF10	Tire Bush 21x12.00-8" 6PLY DURO	21.00	7.95	-	8.60	3.90	7.00-8
AA4AK	Tire Bush 27.5x10-8" 4PLY Aero Classic TL	27.5	10	1800	20.5	9.2	7.00-8

Axles

Conversion Lbs/kg

1 Lb <--> 0,45 kg
1 kg <--> 2,2 Lbs

Axle features :

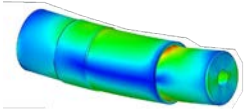
Made of high grade aeronautical aluminum, red anodized or made of steel, nickel coated.

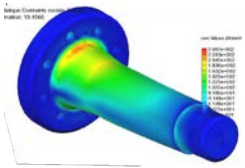
Different types of axles are available:

- fork mounting : the axle is fitted both sides (nose wheel)
- cantilever mounting : the axle is fixed on one side only (often main wheel)

BERINGER axles for main wheels are tapered for strength optimization : the offset is reduced and the two ball bearings have different sizes.

Axles are FEM calculated for optimized weight and stress distribution.





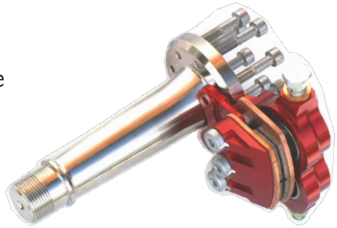
Notes :

You will find in the following tables :

- the axle list with dimensions, strength and weight
- the correspondance axles/wheels according to the diameters of the wheel ball bearings
- the hole patterns available

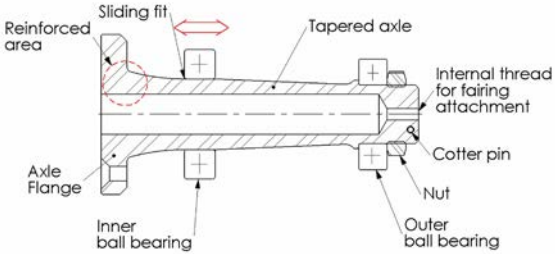
The calipers are delivered fixed to the axles, in accordance with the drilling.

Do not hesitate to contact us.



Axle nut and pin

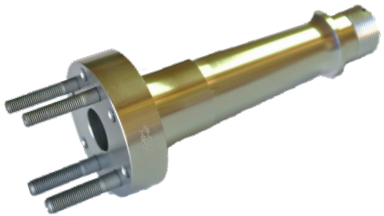
Axle spacer



Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Axle P/N	Description	Dimension of axle thread	Static load/Axle Kg	Static load/Axle Lbs	Limit load/Axle Kg	Limit load/Axle Lbs	Weight Kg	Weight Lbs
FUS-001	Conical aluminum axle	M25x1.5	354	780	1231	2714	0.25	0.55
FUS-004	Conical steel axle	M25x1.5	649	1430	2257	4976	0.62	1.37
FUS-005	Conical aluminum axle	M25x1.5	431	949	1499	3306	0.225	0.50
FUS-006.4	Conical aluminum axle	M15x1	300	661	1043	2310	0.13	0.29
FUS-007.1	Conical steel axle	M35x1.5	948	2089	3297	7315	1.28	2.82
FUS-007.2	Conical aluminum axle	M35x1.5	770	1697	2678	5950	0.51	1.12
FUS-007.7	Conical steel axle	M35x1.5	1040	2292	3617	8030	1.17	2.58
FUS-008	Conical aluminum axle	M25x1.5	317	698	1102	2450	0.44	0.97
FUS-009	Conical aluminum axle	M25x1.5	459	1010	1356	2993	0.25	0.55
FUS-010	Conical aluminum axle	M25x1.5	377	830	1311	2894	0.33	0.73
FUS-011	Conical aluminum axle	M25x1.5	354	780	1231	2714	0.29	0.64
FUS-012	Conical aluminum axle	M25x1.5	377	830	1311	2894	0.24	0.53
FUS-013	Conical aluminum axle	3/4"-16	354	780	1231	2714	0.36	0.79
FUS-014.1	Conical aluminum axle	M30x1.5	635	1399	2208	4900	0.45	0.99
FUS-014.2	Conical aluminum axle	1.5"x16 UNF	450	991	1565	3500	0.63	1.39
FUS-014.3	Conical aluminum axle	1.5"x16 UNF	570	1260	1982	4410	0.45	0.99
FUS-015	Conical aluminum axle	M25x1.5+3/4"-16	354	780	1231	2714	0.48	1.06
FUS-016	Conical aluminum axle	M25x1.5	465	1030	1617	3600	0.27	0.60
ECR-001	Aluminum nut	M35x1.5	-	-	-	-	0.02	0.04
ECR-002	Aluminum nut	M25x1.5	-	-	-	-	0.01	0.02
ECR-004	Aluminum nut	M30x1.5	-	-	-	-	0.02	0.04
ECR-005	Aluminum nut	1.5"x16 UNF	-	-	-	-	0.04	0.09
ECR-006	Aluminum nut	1.5"x16 UNF	-	-	-	-	0.06	0.13
ECR-006.1	Aluminum nut	1.25"x12 UNF	-	-	-	-	0.07	0.15
E-HN-008	Steel safety nut	3/4"-16	-	-	-	-	0.05	0.11
BGE-016	Axle spacer for FUS-001	-	-	-	-	-	0.01	0.02
BGE-026	Axle spacer for FUS-003	-	-	-	-	-	0.01	0.02
More types available, do not hesitate to ask us ...								

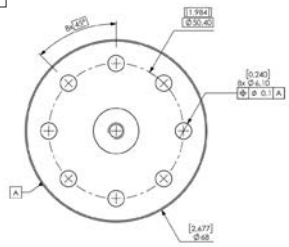


Correspondance main wheel axles / Wheels - T1...T7 shows the hole pattern											
Wheel → / ↓Axle P/N	3.50-4"	4.00-5" & 4.00-5"HL	5.00-5"	5.00-5"HL	4.00-6" SL	6.00-6" SL	6.00-6" LE	6.00-6" HE	6.00-6 HL	10 LE	Other
FUS-001	-	-	T1, T2, T4, T55		T1, T2, T4, T55	-	-	-	-	-	
FUS-004	-	-		T1, T2	-	-	-	-	-	-	
FUS-005	-	T1, T2	-		-	-	-	-	-	-	
FUS-006.4	T6	-	-		-	-	-	-	-	-	
FUS-007.1	-	-	-		-	-	-		T3	-	
FUS-007.2								T3		-	
FUS-007.7								T7	T7	-	
FUS-008	-	-	-		-	T3	-	-	-	-	
FUS-009	-	-		T2	-	-	-	-	-	-	
FUS-010	-	-	-		-	T1, T2,T4, T55	-	-	-	-	
FUS-011	-	-	-		T3	-	-	-	-	-	
FUS-012	-	-	-		-	1"1/4 US	-	-	-	-	
FUS-013	-	-	-		T1	-	-	-	-	-	
FUS-014.1	-	-	-		-	-	T3	-	-	-	
FUS-014.2	-	-	-		-	-	-	-	-	-	Cleveland wheel
FUS-014.3										T3	
FUS-015	-	-	-		-	T1	-	-	-	-	
FUS-016	-	-	-		T1, T2,T4, T55		-	-	-	-	

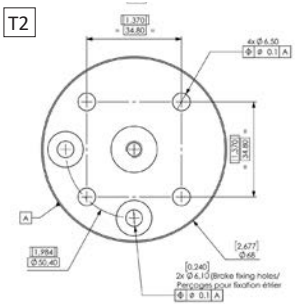
Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

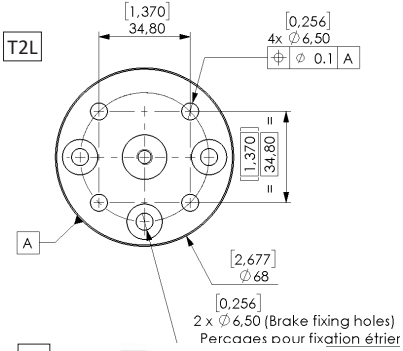
T1



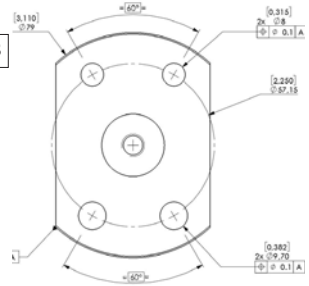
T2



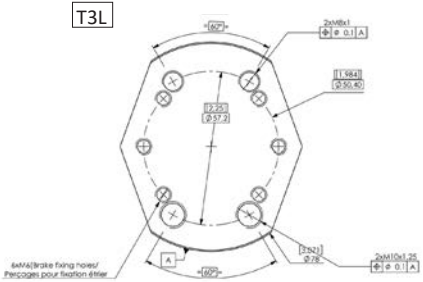
T2L



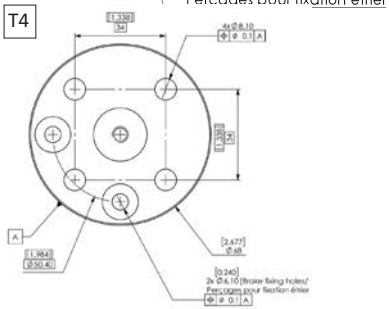
T3



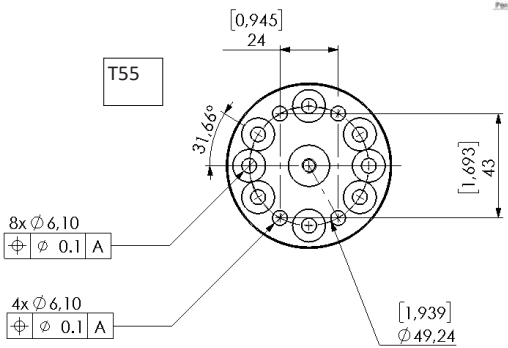
T3L



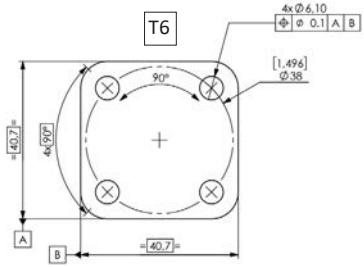
T4



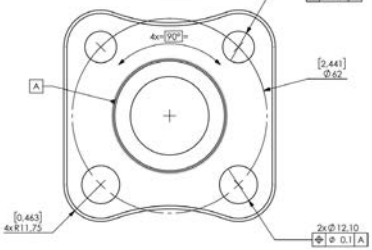
T55



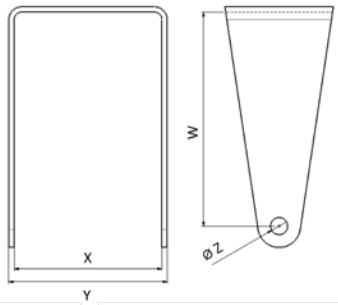
T6

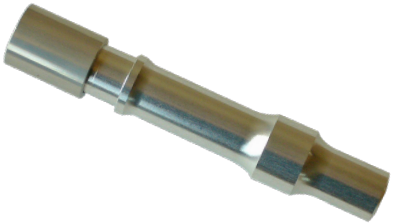


T7



Axles : how to take dimension





Correspondance nose wheel axles / Wheels
← These dimensions in mm refer to the scheme

Wheel → **↓Axle P/N**	3.50-4" RA-003"	4.00-5" RA-015"	5.00-5" RA-014"	4.00-6 SL RA-009"	6.00-6" SL RA-010"	6.00-6" LE RA-016"
AXP-003	X=111/Z=6,4					
AXP-003.1	X=111/Z=8,2					
AXP-003.2	X=89/Z=8,2					
AXP-003.3						
AXP-003.4	X=89/Z=6,2					
AXP-003.5	X=120/Z=8,2					
AV-JAB-003				X=130/Z=6,5		
AXP-004					X=210/Z=8,1	
AXP-005			X=146,5/Z=9,8			
AXP-005.1			X=146,5/Z=10			
AXP-006.1						X=195,6/Z=38,1
AXP-006.2						X=167/Z=31
AXP-007.1		X=107/Z=9.8				
AXP-007.2		X=138/Z=9.8				
For other dimensions please contact us / Please confirm spacer too						

← Van's front wheel axle

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
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Alaskan Landing Gear ™ / Rough terrain … Are-you ready?

Designed to improve the safety of STOL airplanes during delicate landings off airport and on unpaved runways, the oleo pneumatic BERINGER landing gear absorbs gravels, rocks, trees (tested !) and holes…

Bench tests have demonstrated that the ALG divides by three the amount of stress on the airframe !

ALG

For airplanes < 2400 lbs, the ALG replaces the original landing gear in place and includes :

- 2 energy-dissipating oleo-pneumatic dampers, anti rebound and anti roll
- 2 traction legs with articulated fork and axle
- 2 stiffening legs

Technical data :

- 30 cm / 12" of travel
- Light and high strength aluminum (2024)
- Solid design for off-airport use (tested at 3G)

Combined with the light BERINGER wheels and a powerful and progressive BERINGER brake, as well as the Ground Loop Resistant tailwheel, the Alaskan Landing Gear can be considered as the ULTIMATE SOLUTION for Bushplanes.

Patent
BERINGER AERO

Remarks :
The ALG landing gear is available for many airplanes and ultralight aircraft. Please report to the pages describing the kits (alphabetic list).
If you do not find your airplane, please contact us.
The cabane is not included in the ALG kit.

→ ALG in Alaska

ALG P/N	Airplane/Ultralight Aircraft
AV-CUB-020	Cubcrafters Carbon Cub
AV-JUST-120	Just Aircraft Highlander
AV-SAF-120	Kitplanes for Africa Safari/BRM XL8
AV-SVNA-120	Savannah Taildragger
AV-SVNA-100	Savannah cabane
AV-GROP-120	Trail Nando Groppo
AV-JOK-120	Joker J300
AV-MAV-120	Maverick
AV-ZLIN-120	Zlin Savage
STC-018/019/020	Piper PA-18 SuperCub

→ How to do maintenance on ALG

Youtube BERINGER AERO technical support

The patented ALG landing gear had to go through several tests for the certification process (FAA-EASA).

→ Drop test video

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Rough terrain ? … Ready with Shock Wheel

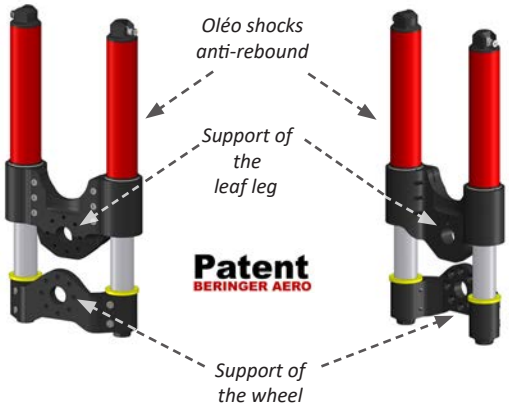
Designed for spring gears, the Shock Wheel system absorbs energy at landing and taxiing.
It mounts very easily between the gear leg and the wheel axle.
The kit includes for both sides :

- 2 energy-dissipating oleo-pneumatic dampers, anti rebound and anti roll
- 1 axle support that bolts onto the gear leg

Technical data :

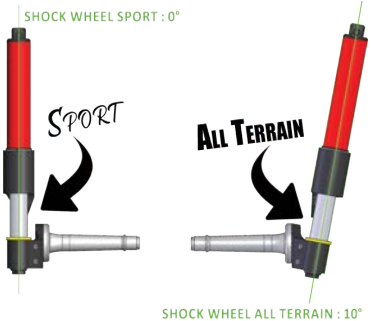
- Light and high strength aluminum (2024)
- 3"/80mm of oleo-pneumatic absorption
- Tested at 3.5G
- Anti-roll system included
- Only fits with BERINGER wheels and brakes

Patent
BERINGER AERO



NEW **2 variants : Sport or All Terrain**

	WHEELS OPTIONS	TIRES OPTIONS	SPACERS	HOLES
SPORT FOR ULTRALIGHTS KITS, HOMEBUILT, GYRO, STOL ... MTOW 1325 LBS	5, 6, 8" WHEELS	TIRES POPULAR 21" & 22"	NO SPACER NEEDED	HOLE PATTERN T1
ALL TERRAIN FOR LSA, KITS, HOMEBUILT, STOL, EXPERIMENTAL ... MTOW 1765 LBS	6, 8" WHEELS	TIRES POPULAR 22, 26, 27.5"	NO SPACER NEEDED	HOLE PATTERN T2
		OPTION 29"	SPACER ONLY REQUIRED FOR 29"	



Remarks :

The Shock Wheel is available for various ultralights and LSA. Please refer to the Kit pages (sorted alphabetically). If your aircraft is not listed and features a spring gear, please contact us.

NEW : Fairings are now available for the shock Wheel mounting, see next pages...

The Shock Wheel preserves your aircraft

Off-airport :

- Landing off-airport on unpaved surfaces (rocks, holes, …)

Glider towing :

- Frequent landings
- Unpaved runways

Flight school :

- Hard landings
- Frequent landings
- Allows more freedom to the student

Shock Wheel test on G1

Youtube BERINGER AERO technical support

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

B'FleX Landing Gear : preserve your Aircraft

Designed for Aircraft with leaf LG, B'FleX will absorbe shocks on rough terrains.
B'FleX is made of three elements : one Zicral leg for central absorption
and two fixing and connecting pieces (axle and cabin).
It is twice as strong as steel LG and much lighter.

- \+ Evolving profile : B'FleX gear has a specific profile (width-thickness) allowing an excellent stress distribution all along the landing gear
- \+ No more parasisitic movements : from front to back of the LG leg at braking
- \+ Absorption is better as well as airframe preservation

Technical datas :

- Tested at 1,325 lbs (600 kg) and 3G without permanent deformation
- Made of aluminum and Zicral, CNC machined from aluminum billet
- Weighs only 6.8 Lbs (3.1kg) per side

B'FLEX
Beringer Flexible Landing Gear

Remarks :

Available for LSA, Ultralight / experimental Aircraft, kits ... with tricycle or tail-draggers configuration and with max takeoff weight of 1,325 Lbs (600 kg).

Please refer to the Kit pages (sorted alphabetically).

Type of spring gear	Steel Gear	Aluminium Gear	Composite Gear	B'FleX BERINGER
Weight	✓	✓✓	✓✓	✓✓✓✓✓
Resistance	✓✓	✓✓✓	✓✓	✓✓✓✓✓
Flexibility	✓✓✓	✓✓	✓✓	✓✓✓✓✓
Look	✓✓	✓✓	✓✓✓	✓✓✓✓✓

SPEED'Air fairings

Available for original LG (5.00-5"/4.00-6" tires)

SPEED'Air fairings offer excellent aerodynamic performance with increased speed, less mass and compatibility with our Beringer Shock Wheel.

Internal structural reinforcements accommodate the mounting brackets (supplied) for excellent resistance in flight, on the ground ... and over time.

+ Elegant and aerodynamic
+ Rigid and strong
+ Shock Wheel compatible

Technical datas :

- Carbon/epoxy or glass fiber/polyester available
- Carbon : 1.2 lbs (544 grams) each - Polyester : 2 lbs (940 grams) each
- Overall dimension : 31.5"x12.6"x7" (80x32x18 cm)
- Both models can be painted with the colors of your choice! (RAL on request)

LIGHTER - STRONGER - FASTER

SPEED'AIR

Remarks :

Available for LSA, Ultralight Aircraft, Gyrocopter, experimental, kits ... with tricycle or taildragger configuration.

Please refer to the Kit pages (sorted alphabetically).

If your aircraft is not listed, please contact us.

SPEED'Air on Magni Gyro

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Brake lines – Hydraulic fittings

The BERINGER brake line is stainless steel braided.

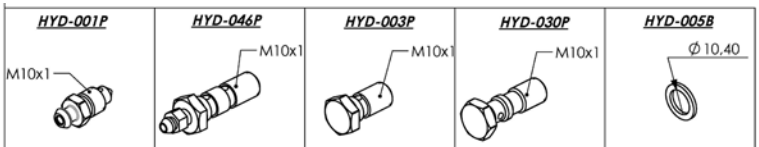
Thanks to its resistance to high pressures, it brings a strong braking feeling (not spongy).

Flexible, it follows the gear leg and prevents against leaks.

Max pressure 3000 psi – burst pressure 9000 psi

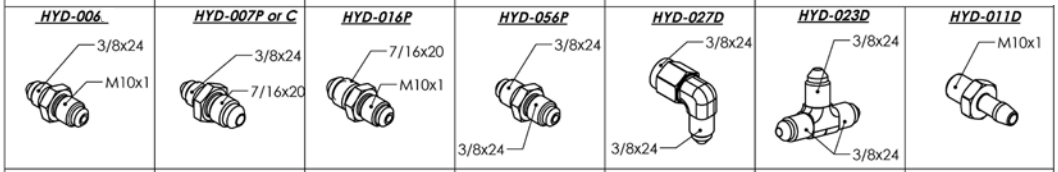
Note : these brake lines and banjo fittings are included in most of the wheel and brake kits.

Bleeding screws
Banjo screws
Seal →

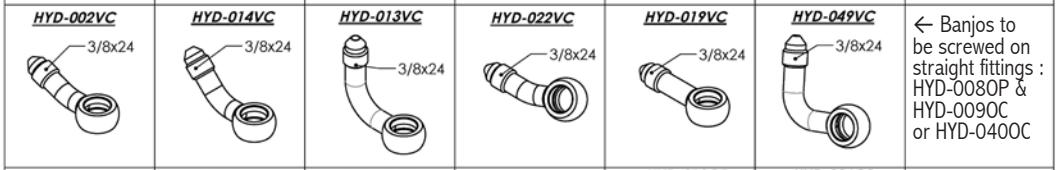


There are other possibilities and other types of fittings ...
Do not hesitate to contact us

Adapters →

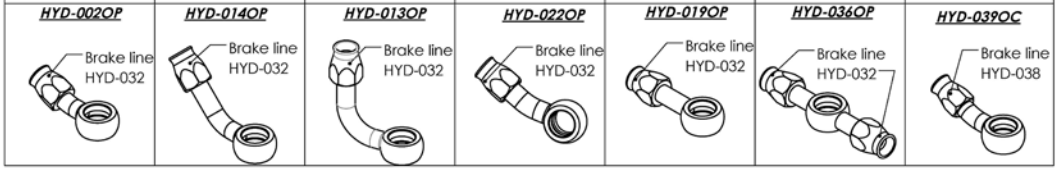


Banjos to screw →



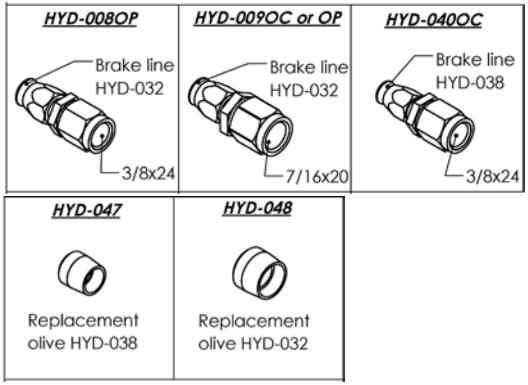
← Banjos to be screwed on straight fittings : HYD-0080P & HYD-0090C or HYD-0400C

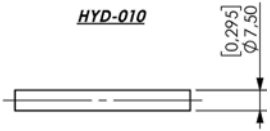
Olive Banjos →



Female fittings

Olives



Brake line P/N	Description
HYD-038	
HYD-032	
HYD-010 + plastic braided	

→ How to assemble brake lines and fittings

→ How to bleed your brakes

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Brake master cylinders

Master-cylinder features :

The master cylinders can be operated :

- with toes thanks to tabs on top of the rudder pedals
- with heels thanks to pedals bolted on the floor
- with hands thanks to either a lever on the stick (symmetrical braking) or a one or two lever assemblies mounted in the cockpit (respectively symmetrical and differential braking)

These master cylinders have been designed and tested to last 200,000 cycles (about two times the life of an aircraft…) with the same seals and piston !

They are machined from a high strength aluminum billet.

100% airtight, greased and anodized, they are completely protected against corrosion.

30% lighter than all other master cylinders on the market.

Friction is highly reduced for a better feeling and performance.

Seals available for either DOT4 or MIL fluid.
Caution : You must never mix the brake fluid : seals are different

Remarks : All BERINGER master cylinders are described in the following pages (dimensions, attachments, weight, ..). Other configurations are available, please contact us.

Single and dual levers are available to mount the master cylinders. They can be actuated by heels or hand. They are described in dedicated tables.

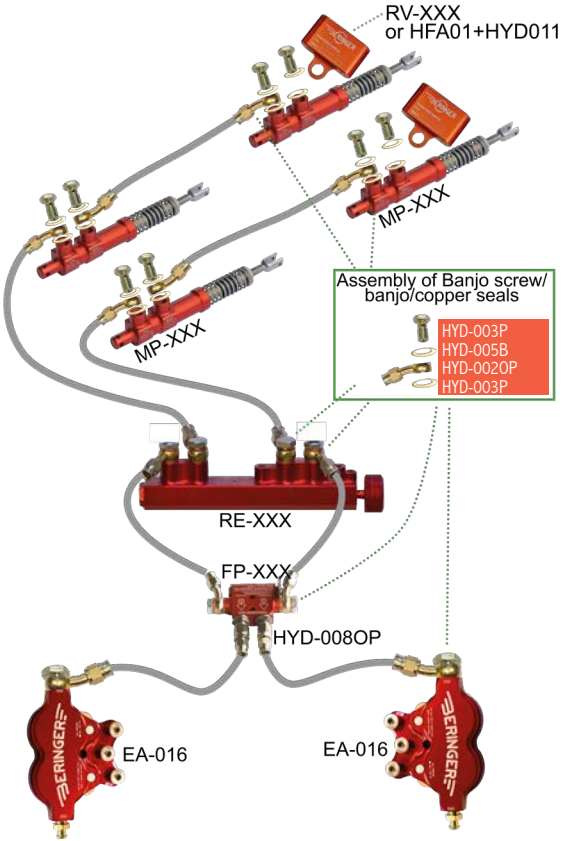
Ergonomic rudder pedals including brakes function are also available and described following pages.

Brake fluid indication

XX-XXXE → use DOT 4 only

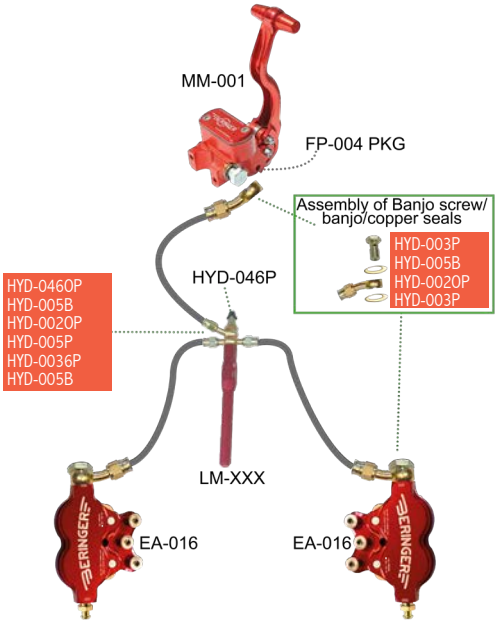
XX-XXXN → use only Mineral fluid

Différential braking circuit
Pilot/co-pilot rudder pedal master cylinders



This configuration can be modified depending on the Aircraft

Symmetrical braking circuit
Hand master cylinder



Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Rudd'AIR : feel it up to your feet ! Brand new ergonomic pedals ...

Thanks to its kinematics, the pedal follows the natural position of the foot by describing a translation movement without modifying its angle of inclination.
This makes taxiing, steering and braking precise, ergonomic and safe.

+ Ergonomic with rudder and brakes fonction
+ Complete kit available (Brake master cylinders)
+ Pedal ratio adjustable to be chosen by the pilot

Technical datas :

- Laser cut (3D) from extruded aluminum
- Anodized for excellent durability
- Weighs only 0.33 lbs each (150 grams)
- NEWS : master cylinder actuation can be adjusted : 2 positions

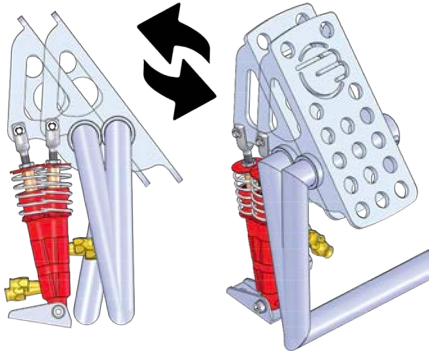
Rudd'AIR

Remarks :

Available for LSA, Ultralight / Experimental Aircraft with taildragger or tricycle configuration.

Please refer to the Kit pages (sorted alphabetically).

If your aircraft is not listed, please contact us.

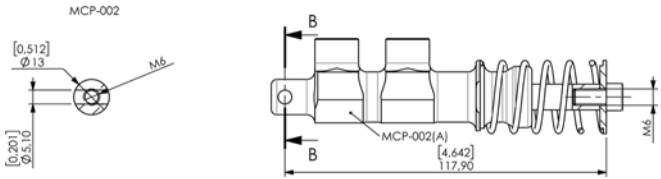
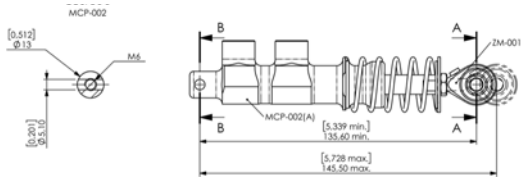
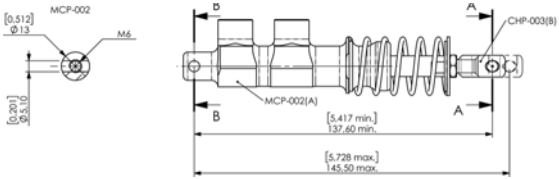


Master cylinder for rudder pedal MP-002 and MP-003

Allows to actuate following brake calipers :

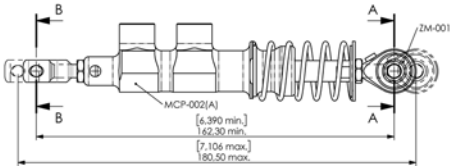
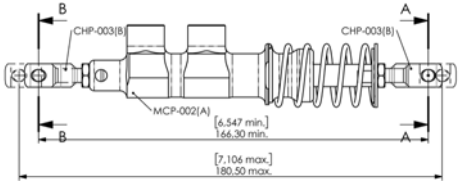
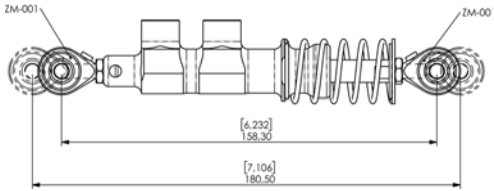
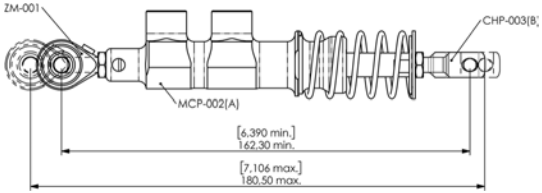
- 1 or 2 calipers : EA-009/9.1 - EA-016/16.2
- 1 caliper EA-002/2.2 - EA-003/3.2/3.3/3.7/3.8 - EA-004 - EA-010.1

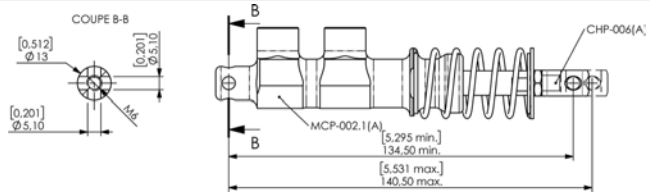
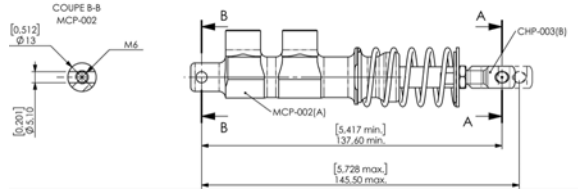
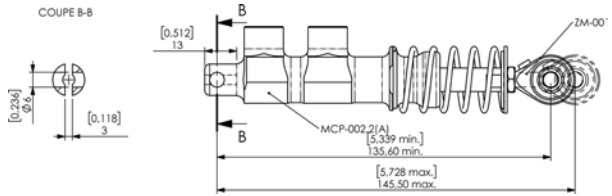
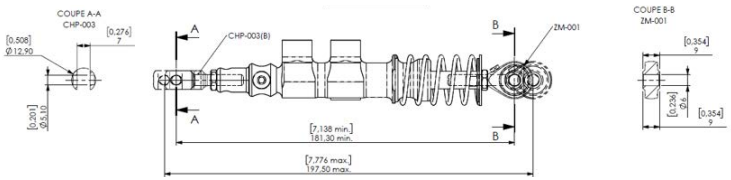
Notes : the table shows the attachments for each type of master cylinder. Other configurations are available with extenders (see following tables).
Several types of reservoirs available (see table at the end of master cylinder pages)

Master cylinder P/N	attachment included	Description (Extension see page 55...)	Min Dimension Inch	Min Dimension mm	Max Dimension Inch	Max Dimension mm	Bore Inch	Bore mm	Weight oz	Weight g
MP-002	- -		-	-	-	-	1/2	12.2	3.53	100
MP-002.1	- ZM-001		5.433	136	5.63	145	1/2	12.2	4.15	118
MP-002.2	- CHP-003		5.512	138	5.669	145	1/2	12.2	3.96	112

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

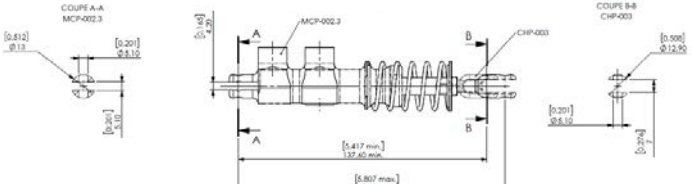
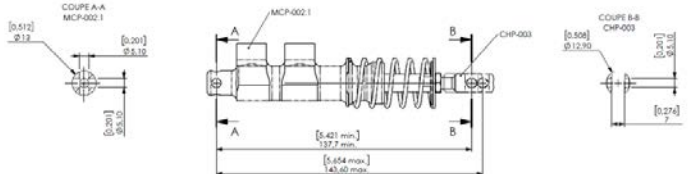
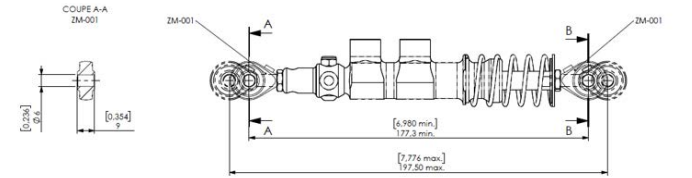
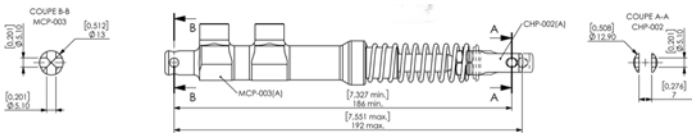
Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

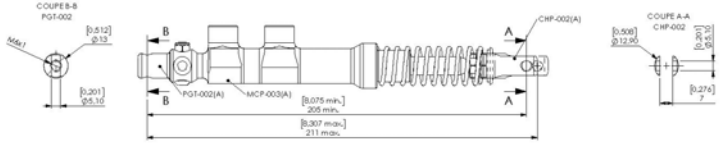
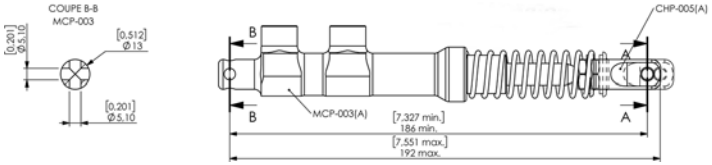
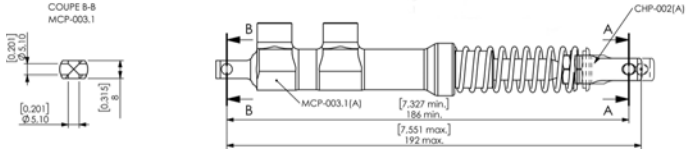
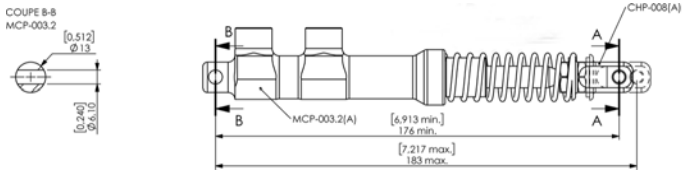
Master cylinder P/N	attachment included	Description (Extension see page 55...)	Min Dimension Inch	Min Dimension mm	Max Dimension Inch	Max Dimension mm	Bore Inch	Bore mm	Weight oz	Weight g
MP-002.3	CHP-003 - ZM-001		6.39	162	7.11	180	1/2	12.2	4.81	136
MP-002.4	CHP-003 - CHP-003		6.54	166	7.11	180	1/2	12.2	4.62	131
MP-002.5	ZM-001 - ZM-001		6.23	158	7.11	180	1/2	12.2	5	142
MP-002.6	ZM-001 - CHP-003		6.39	162	7.11	180	1/2	12.2	4.81	136

Master cylinder P/N	attachment included	Description (Extension see page 55...)	Min Dimension Inch	Min Dimension mm	Max Dimension Inch	Max Dimension mm	Bore Inch	Bore mm	Weight oz	Weight g
MP-002.7	- CHP-006		5.29	134	5.53	140	1/2	12.2	3.72	105
MP-002.8	S-CP-006 - CHP-003		5.42	137	5.73	145	1/2	12.2	3.76	107
MP-002.9	ZM-001		5.34	135	5.73	145	1/2	12.2	4.09	116
MP-002.10	ZM-001 -CHP-003		6.35	161.3	7.33	186.2	1/2	12.2	5.11	145

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

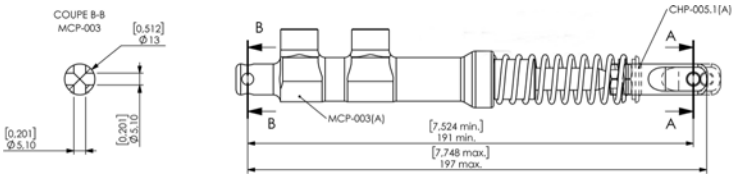
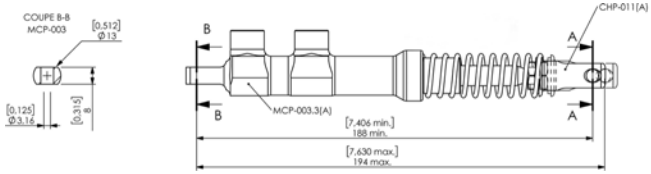
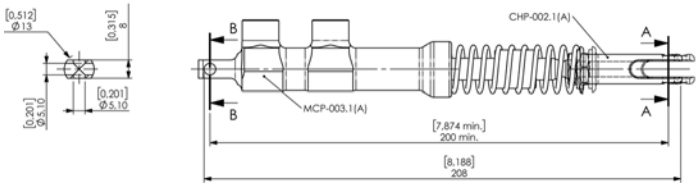
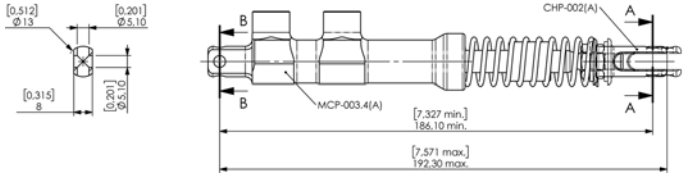
Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

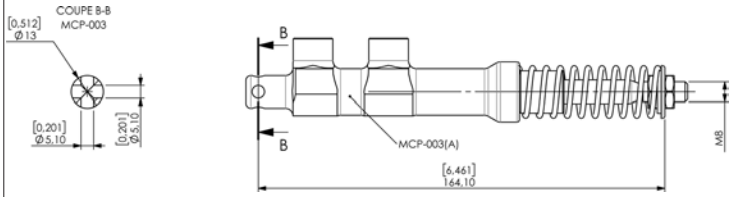
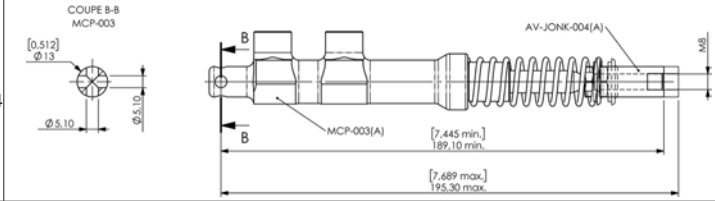
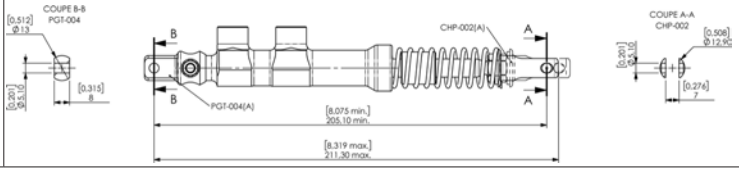
Master cylinder P/N	attachment included	Description (Extension see page 55...)	Min Dimension Inch	Min Dimension mm	Max Dimension Inch	Max Dimension mm	Bore Inch	Bore mm	Weight oz	Weight g
MP-002.11	CHP-003		4.44	112.7	5.42	137.6	1/2	12.2	3.74	106
MP-002.12	CHP-003		5.31	137.7	5.71	146.3	1/2	12.2	3.77	107
MP-002.14	ZM-001 - ZM-001		6.18	177.3	7.48	197.5	1/2	12.2	5.54	157
MP-003	- CHP-002		7.33	186	7.56	192	1/2	12.2	4.3	122

Master cylinder P/N	attachment included	Description (Extension see page 55...)	Min Dimension Inch	Min Dimension mm	Max Dimension Inch	Max Dimension mm	Bore Inch	Bore mm	Weight oz	Weight g
MP-003.1	PG-002 - CHP-002		8.07	205	8.31	211	1/2	12.2	4.8	136
MP-003.2	- CHP-005		7.32	186	7.55	192	1/2	12.2	4.41	125
MP-003.3	- CHP-002		7.32	186	7.55	192	1/2	12.2	4.27	121
MP-003.4	- CHP-008		6.93	176	7.22	183	1/2	12.2	4.3	122

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Master cylinder P/N	attachment included	Description (Extension see page 55...)	Min Dimension Inch	Min Dimension mm	Max Dimension Inch	Max Dimension mm	Bore Inch	Bore mm	Weight oz	Weight g
MP-003.5	- CHP-005.1		7.52	191	7.76	197	1/2	12.2	4.44	126
MP-003.6	- CHP-011		7.4	188	7.64	194	1/2	12.2	4.34	123
MP-003.7	CHP-002.1		6.69	170	7.87	200	1/2	12.2	4.3	122
MP-003.8	CHP-002		7.33	186	7.57	192	1/2	12.2	4.05	115

Master cylinder P/N	attachment included	Description (Extension see page 55...)	Min Dimension Inch	Min Dimension mm	Max Dimension Inch	Max Dimension mm	Bore Inch	Bore mm	Weight oz	Weight g
MP-003.9	--		-	-	-	-	1/2	12.2	4.3	122
MP-003.10	AV-JONK-004		7.45	189	7.69	195	1/2	12.2	4.33	123
MP-003.11	PG-004 - CHP-002		8.07	205	8.32	211	1/2	12.2	4.73	134

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

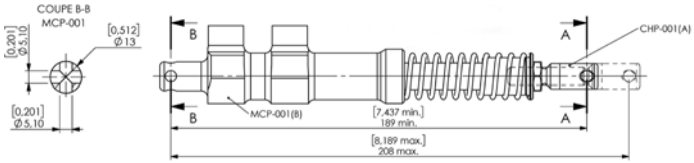
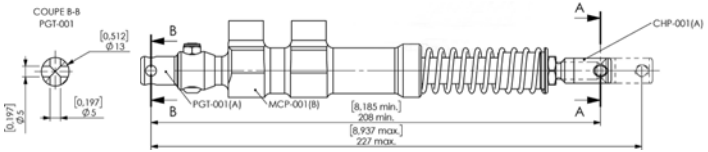
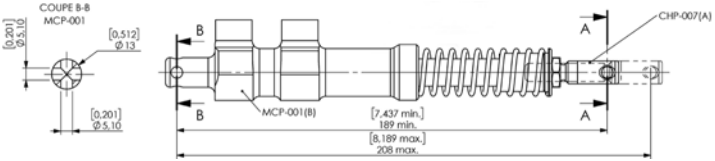
Master cylinder for rudder pedal MP-001

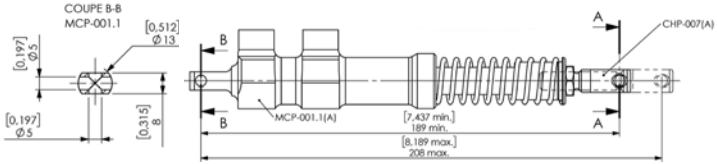
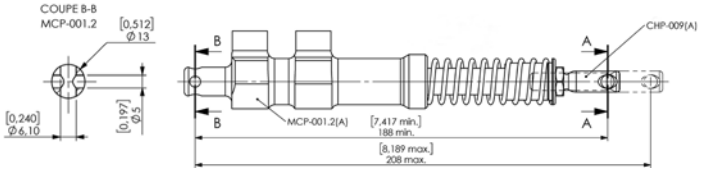
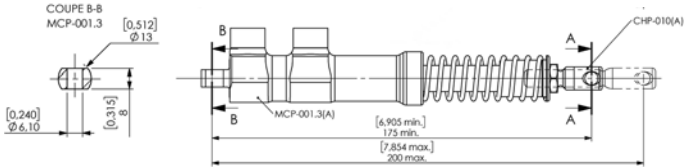
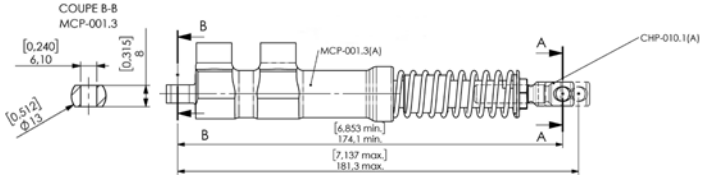
Allows to actuate following brake calipers :

- 2 calipers : EA-003.4/3.5/3.9 - EA-004.1/4.2/4.3
- 1 caliper : EA-008.1 /8.2
- 1 caliper : EA-001

Available for MIL brake fluids only

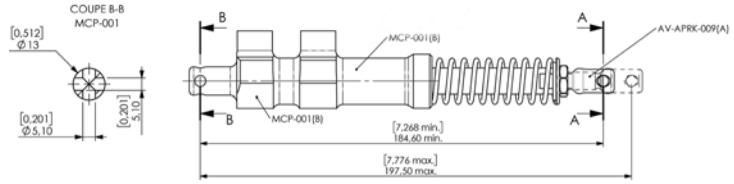
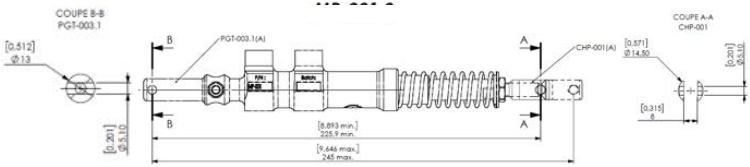
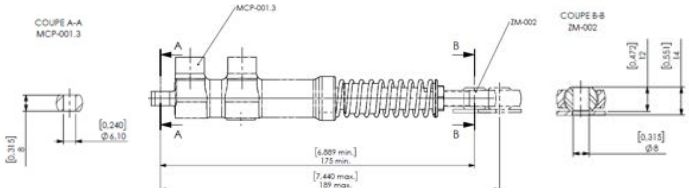
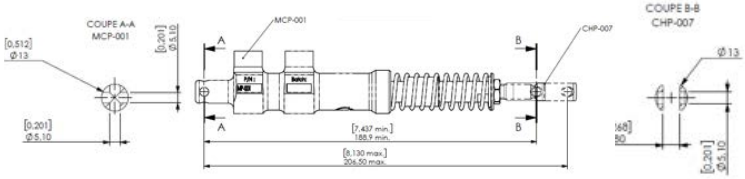
Notes : the table shows the attachments for each type of master cylinder. Other configurations are available with extenders (see following tables).
Several types of reservoirs available (see table at the end of master cylinder pages)

Master cylinder P/N	attachment included	Description (Extension see page 55...)	Min Dimension Inch	Min Dimension mm	Max Dimension Inch	Max Dimension mm	Bore Inch	Bore mm	Weight oz	Weight g
MP-001	- CHP-001		7.441	189	8.189	208	9/16	14.5	5.89	167
MP-001.1	CHP-001 - PG-001		8.189	208	8.937	227	9/16	14.5	6.38	181
MP-001.2	- CHP-007		7.441	189	8.189	208	9/16	14.5	5.82	165

Master cylinder P/N	attachment included	Description (Extension see page 55...)	Min Dimension Inch	Min Dimension mm	Max Dimension Inch	Max Dimension mm	Bore Inch	Bore mm	Weight oz	Weight g
MP-001.3	- CHP-007		7.441	189	8.189	208	9/16	14.5	5.78	164
MP-001.4	- CHP-009		7.402	188	8.189	208	9/16	14.5	5.89	167
MP-001.5	- CHP-010		6.89	175	7.874	200	9/16	14.5	5.18	147
MP-001.6	CHP-010.1		6.85	174	7.14	181	9/16	14.5	5.18	147

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

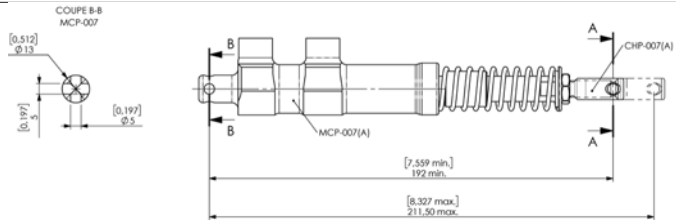
Master cylinder P/N	attachment included	Description (Extension see page 55...)	Min Dimension Inch	Min Dimension mm	Max Dimension Inch	Max Dimension mm	Bore Inch	Bore mm	Weight oz	Weight g
MP-001.7	AV-APRK-009		7.27	185	7.78	195	9/16	14.5	5.64	160
MP-001.8	CHP-001 -PG-003.1		8.56	217.5	9.65	245	9/16	14.5	6.53	185
MP-001.10	ZM-002		5.83	148	6.91	175.5	9/16	14.5	4.83	137
MP-001.11	CHP-007		6.48	164.5	7.56	192	9/16	14.5	5.78	164

Master cylinder for rudder pedal MP-007

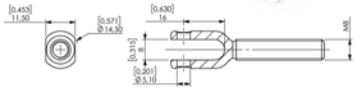
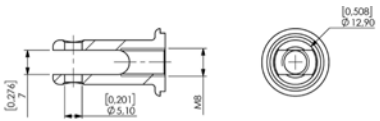
Allows to actuate following brake calipers :

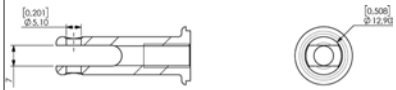
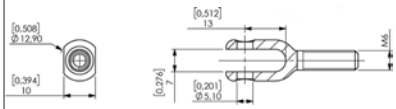
Dual calipers EA-008.7 - EA-011.2
Available for DOT4 and MIL brake fluid

Notes : the table shows the attachments for each type of master cylinder. Other configurations are available with extenders (see following tables).
Several types of reservoirs available (see table at the end of master cylinder pages)

Master cylinder P/N	attachment included	Description (Extension see page 55...)	Min Dimension Inch	Min Dimension mm	Max Dimension Inch	Max Dimension mm	Bore Inch	Bore mm	Weight oz	Weight g
MP-007	CHP-007		7.56	192	8.33	211	0.65	16.5	6.17	175

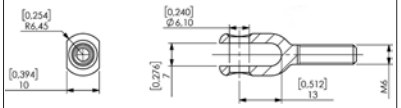
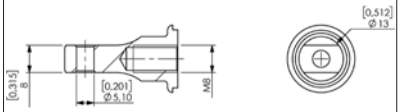
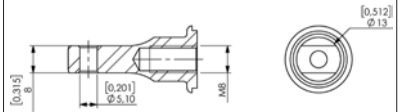
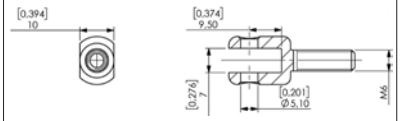
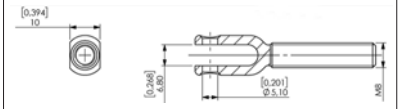
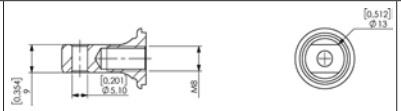
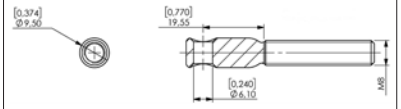
Attachments/Extenders for brake master cylinders

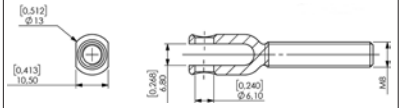
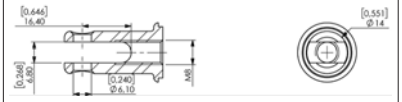
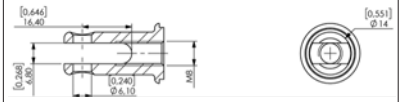
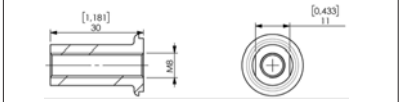
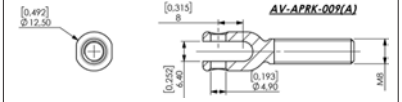
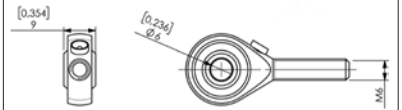
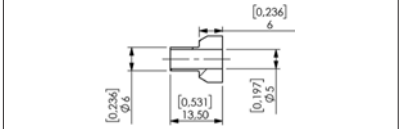
Attachment P/N	Description	Weight oz	Weight g
CHP-001		0.83	24
CHP-002		0.23	6

Attachment P/N	Description	Weight oz	Weight g
CHP-002.1		0.35	10
CHP-003		0.4	11

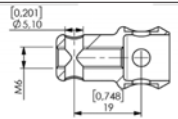
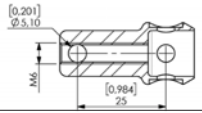
Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

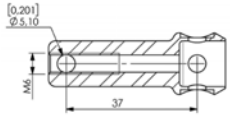
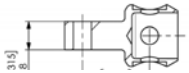
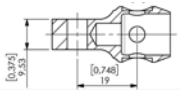
Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Attachment P/N	Description	Weight oz	Weight g
CHP-004		0.39	11
CHP-005		0.32	9
CHP-005.1		0.37	11
CHP-006		0.43	12
CHP-007		0.79	22
CHP-008		0.27	8
CHP-009		0.8	23

Attachment P/N	Description	Weight oz	Weight g
CHP-010		0.77	22
CHP-010.1		0.58	16.5
CHP-011		0.27	8
AV-JONK-004		0.32	9,1
AV-APRK-009		0.65	18,5
ZM-001		0.78	22
BGE-011		0.16	4.5

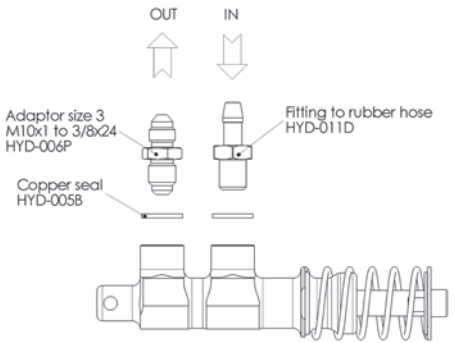
Attachments/Extenders for brake master cylinders

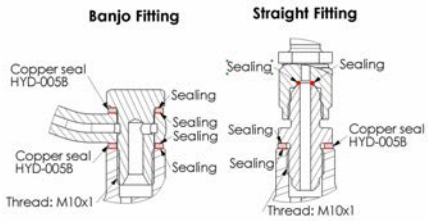
Extender P/N	Description (Srew and nut included)	Weight oz	Weight g
PG-002		0.3	8.5
PG-003		0.37	10.5

Extender P/N	Description (Srew and nut included)	Weight oz	Weight g
PG-003.1		0.5	14.2
PG-004		0.28	8
PG-005		0.36	10.2

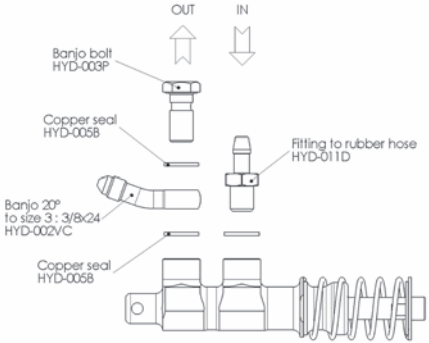
Hydraulic fittings for master cylinders

Only few exemples of hydraulic fittings and adaptors are shown. Many other combinations are available. The banjo screw not included
Please contact us.





Banjo screw



Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
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Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
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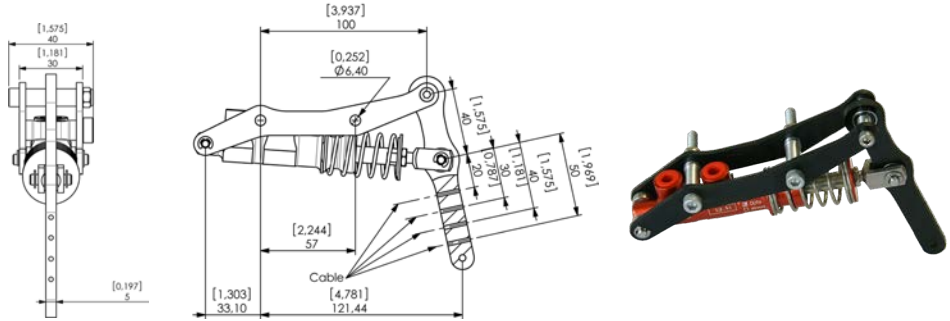
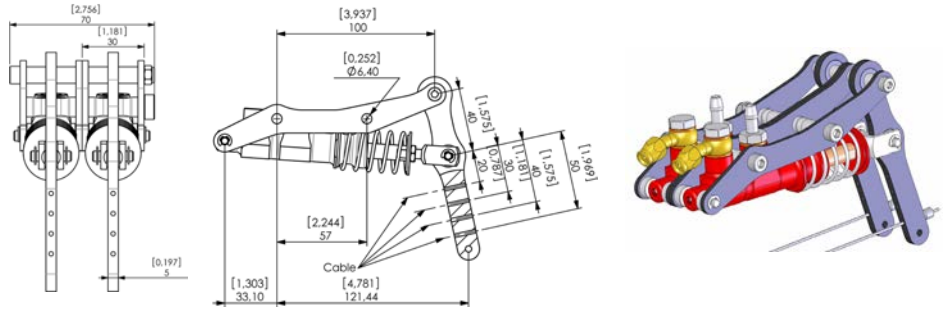
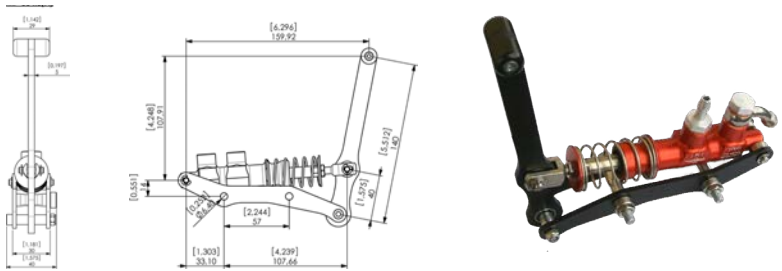
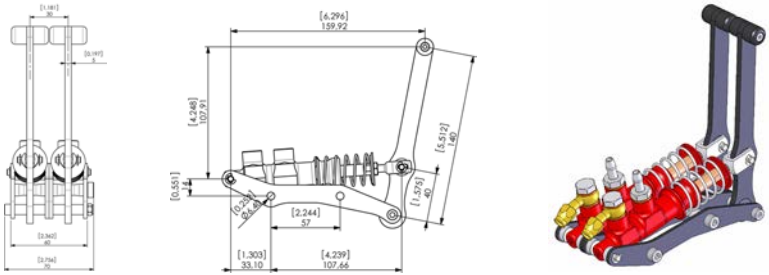
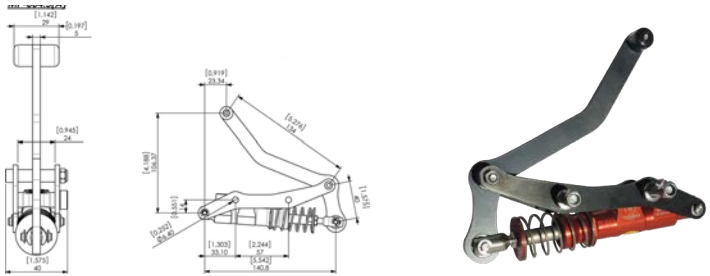
Levers for master cylinders (hand/heel actuated)

The MP-XXX brake master cylinders can be installed in the different levers described. They are hand actuated (close to the seats) or heel actuated (levers on the floor).
Using ball bearings for perfect control of the braking power.

Notes :

- Weights indicated are lever's weight only and do not include the master cylinders (except specifications).
- The master cylinders that can be mounted in each lever are indicated but not included in the lever P/N.

Levier only P/N	M. Cylinder (non included)	Description	Levier weight Lb	g
MP-004.1	MP-002.2		8.77	249
MP-004.2	MP-002.2		16.06	455

Levier only P/N	M. Cylinder (non included)	Description	Levier weight Lb	g
MP-004.3	MP-002.8		9.3	264
MP-004.4	MP-002.8		17.11	485
MP-004.5	MP-002.8		9.58	272

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
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Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
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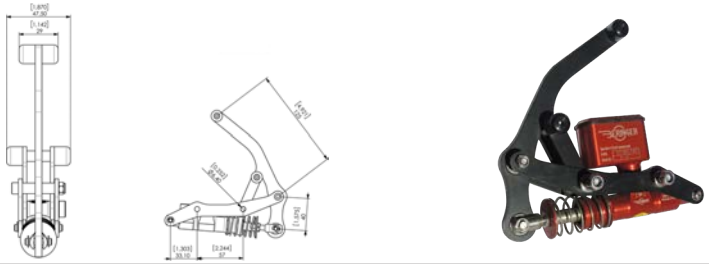
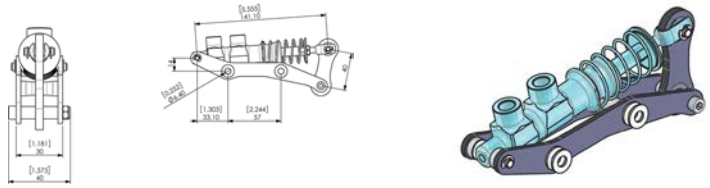
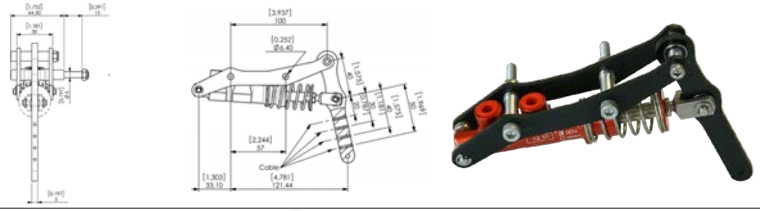
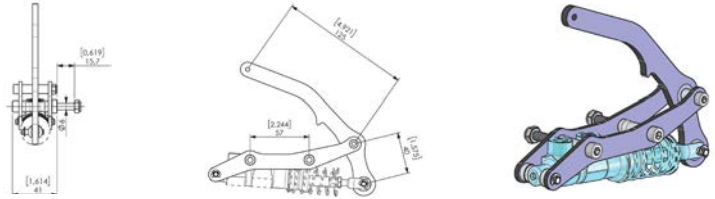
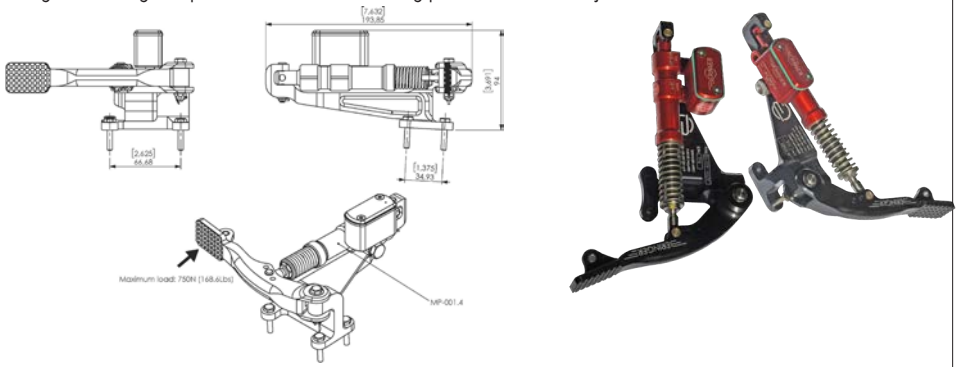
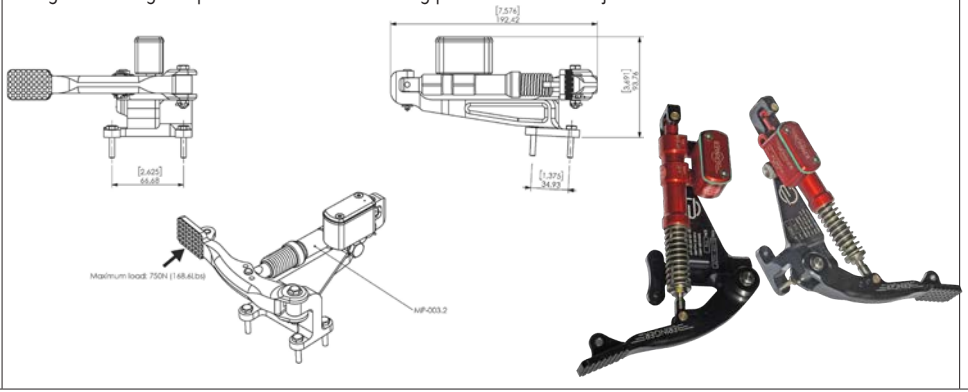
Levier only P/N	M. Cylinder (non included)	Description	Levier weight Lb	g
MP-004.6	MP-002.8		10.33	293
MP-004.7	MP-002.8		8.48	240
MP-004.11	MP-002.2		4.26	121
MP-004.12	MP-002.8		5.36	152

Levier only P/N	M. Cylinder (included)	Description	Lever weight Lb	g
AV-CUB-122 AV-CUB-123	MP-001.4	For Original Piper SuperCub and also BERINGER dual brake calipers Using ball bearings for perfect control of the braking power. Pedal ratio adjustabe. 	1.26	568
AV-CUB-120 AV-CUB-121	MP-003.2	For BERINGER wheels single brakecaliper Using ball bearings for perfect control of the braking power. Pedal ratio adjustabe. 	1.14	518

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
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Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
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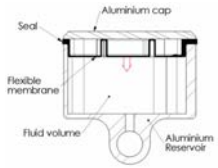
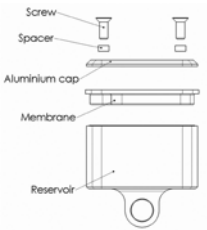
Integral Reservoirs (Brake fluid)

Red aluminum reservoirs

To be mounted directly on the master cylinders. Vertical or horizontal mounting, 180° rotable.
The reservoirs are 100% tight, without any risk of leak. Available for DOT4 or Minéral brake fluid.
Perfect for Aerobatic use.





Brake fluid indication

XX-XXXE → use DOT 4 only

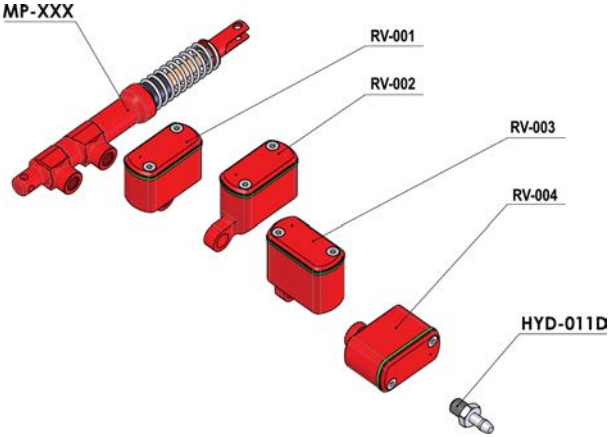
XX-XXXN → use only Minéral fluid

Reservoir P/N	Description		Weight oz	Weight g	Brake Fluid
RV-001E/N	Aluminum Reservoir		1.94	55	DOT4/MIL
RV-002 E/N			2.01	57	DOT4/MIL
RV-003E/N	Aluminum Reservoir (Van's type)		1.59	45	DOT4/MIL
RV-004E/N	Aluminum Reservoir - Threaded		1.27	36	DOT4/MIL
RV-004.1E/N	Aluminum Reservoir - unthreaded port (for hand lever)				

Caution : <u>Brake fluid reservoirs must not be installed close to the engine. They must be installed only inside the cockpit.</u>

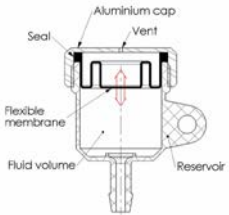
Reservoirs (Brake Fluid)

Several ways of mounting the reservoirs on the master cylinders



Remote Brake Fluid Reservoir

Remote Reservoir Kit



Transparent reservoir with CNC aluminium cover
Visible fluid level
Delivered with mounting kit and 0.50m of EPDM tube
Available for DOT4 or mineral brake fluid

Réservoir P/N	Description	Capacité oz	Capacité cl	Poids oz	Poids g	Liquide de frein
HFA01E	Remote Réservoir kit	0.38	1.1	1.36	39	DOT4
HFA01N	Remote Réservoir kit	0.38	1.1	1.36	39	MIL
RV-007N/E	Remote Réservoir	1.2	3.5	2.14	61	MIL / DOT4
RV-009N/E	Remote Réservoir	1.2	3.5	3.52	100	MIL / DOT4

Caution : <u>Brake fluid reservoirs must not be installed close to the engine.</u>
<u>They must be installed only inside the cockpit.</u>

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTECH Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
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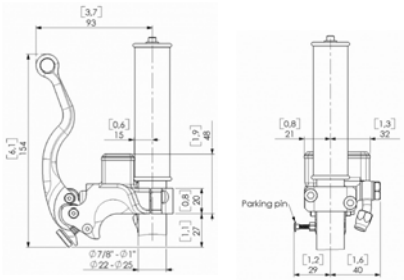
Hand Master Cylinders

Allows to actuate the following calipers : 1x 1P27 EA-009/9.1 - 2x 2P27 calipers EA-016/17 - 1x 2P32 EA-002

- For ø 7/8" (22mm) stick or 1" (25mm) stick
- Can be installed also on a flat support with 2x M6 screws
- Built-in reservoir or without reservoir for installation in serie (co-pilot hand brake)
- CNC machined from aluminum billet - red anodized
- Three ball bearings for smooth and precise operation
- Available for DOT4 only

XX-XXXE

Master cylinder P/N	Description		Scheme	Weight oz	Weight g	Brake fluid
MM-001	Master cylinder + built-in reservoir			10.41	295	DOT4
MM001FP	Master cylinder + built-in reservoir + parking brake + parking			10.41	295	DOT4
MM-003	Additionnal master cylinder (mounting in serie : co-pilot brake). To be used with MM-001 or MM-001			10.02	284	DOT4
MM001.5FP	Master cylinder + built-in reservoir Yankee lever (for Y control stick) + parking		MM-001.7E Also available for 30 mm diameter	-	-	-
LEV-001.1	Yankee lever for MM-001 or MM-001					
FP-004	Parking brake for MM-001 and MM-003			0,1	3	-
MM-004	Levier bushing kit			-	-	-

Master Cylinder cable actuated

Allows to actuate following calipers : 1x 1P27 EA-009/9.1 - 2x 2P27 calipers EA-0016 - EA-017 - 1x 2P32 EA-002

- Actuated by cable
- Reservoir included
- Delivered with aluminum bracket
- CNC machined from billet aluminum - red anodised
- Three ball bearings for smooth and precise operation
- Available for DOT4 only

XX-XXXE

Master cylinder P/N (old / new P/N)	Description	Weight oz	Weight g	Brake fluid
HAC01/MM-002	Master cylinder + reservoir cable actuated	10.41	295	DOT4
AV-SCHE-208	Bracket	-	-	-

Master Cylinder hand actuated

Allows to actuate following calipers :1x 1P27 EA-009/9.1 - 2x 2P27 calipers EA-016/17 - 1x 2P32 EA-002

- All in one : lever, brake master cylinder, reservoir with seal
- To be installed on a 7/8" stick or on a flat support with 2x M6 screws
- CNC machined from aluminum billet - red anodized
- Three ball bearings for smooth and precise operation
- Available for DOT4 only

XX-XXXE

Master cylinder P/N (old / new P/N)	Description	Weight oz	Weight g	Brake fluid
HAB04/MM-001	Master cylinder + reservoir hand actuated	10.41	295	DOT4
MM-004	Levier ends	-	-	-

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
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ALIR anti-skid Regulator
A real advance in term of Safety

Adjustable anti-lock pressure regulator for differential or symmetrical braking :

The regulator is integrated in the differential circuit (see scheme following page).

Double advantage:

- Anti-lock : the regulator sets a maximal pressure in the system before the wheels lock up (or before a nose over for taildraggers)
- In line braking : once the setpoint is reached, the pressure between left and right hand is balanced, with a tolerance of +/- 1bar or 14.5psi to allow steering corrections

Many accidents are caused by a bad braking handling.

The ALIR system improves the control and dosage of the brakes and still allows differential braking while the pressure remains below the setpoint.

It prevents the wheel lock up at landing and the nose over for taildraggers, in case of over-pressure on the brake pedals. Therefore it reduces the stopping distances.

This regulator is included in most of the BERINGER Kits.

Dual ALIR Regulator

Single ALIR Regulator

The reference pressure is adjustable by +/- 1 bar. For more information about the ALIR adjustment, please report to the Intruction and Use Manual delivered with the products or on the Support web page

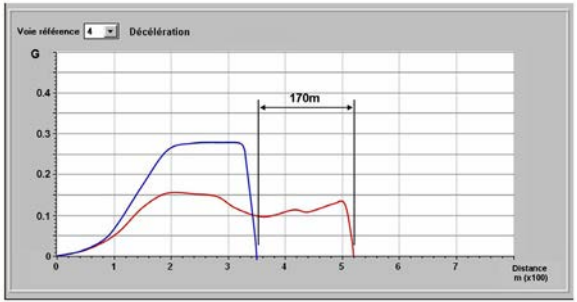
www.beringer-aero.com

EMERGENCY BRAKING : comparison:

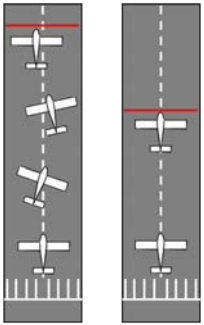
- Blue curve: with ALIR: the pilot applies full braking without any control (similar to a car ABS)
- Red curve: without ALIR: no regulation, the pilot must control the braking

(in both cases, conditions are the same: same plane, same brakes)

Weight of the aircraft: 1200 kg, braking speed: 70 Kt

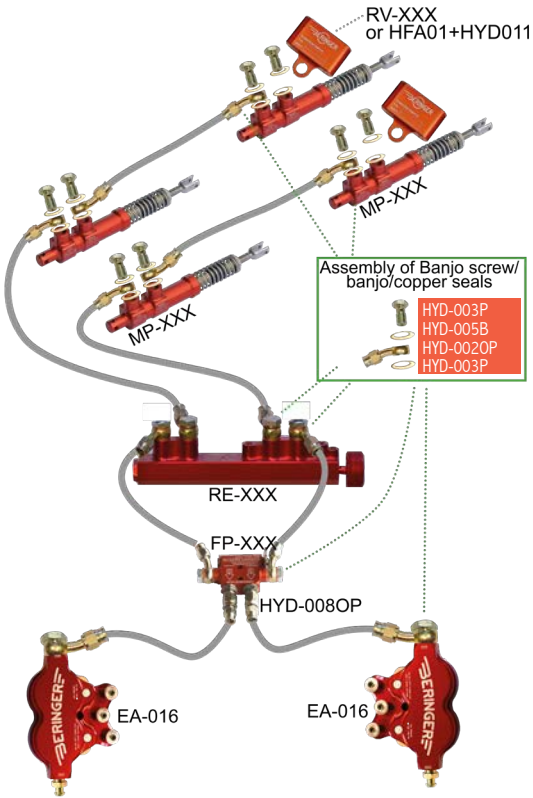


Nota: BERINGER brake pads used int the ALIR system have a friction coefficient that increases with the temperature allowing an increase of the deceleration when the lift decreases on the wings.



without ALIR **with**

Differential braking circuit including the ALIR anti-lock and in-line braking



This configuration can be modified depending on the Aircraft

Adjustable anti-lock pressure regulator ALIR

- Adjustable from 10 to 40 bar (or from 20 to 50 bar)
- Available for DOT4 or Minéral (MIL) brake fluid
- 2x inlets, 2x outlets (M10x1)
- Precise adjustment with low hysteresis
- CNC machined from billet aluminum
- Red anodized

Note :

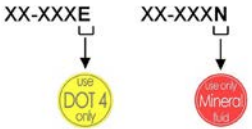
Dual regulators are mounted in a differential braking circuit (each braker master cylinder actuates one wheel).

Single regulator are mounted in a symmetrical braking circuit (one master cylinder actuates both wheels).

Caution : You must never mix the brake fluid : seals are different

Regulator ALIR P/N	Description	Weight oz	Weight g	Brake fluid
RE-001E	Dual Regulator ALIR 10 - 40 bar	11.64	330	DOT4
RE-001N	Dual Regulator ALIR 20 - 50 bar	11.64	330	MIL
RE-002E	Single Regulator ALIR 10 - 40 bar	6.73	191	DOT4
RE-002N	Single Regulator ALIR 10 - 40 bar	6.73	191	MIL
RE-002.1N	Single Regulator ALIR 10 - 40 bar			MIL
RE-002.3N	Single Regulator ALIR 20 - 50 bar			MIL
AV-VANS-006	Fitting plate	-	-	-

Brake fluid indication



Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Ultralight Pressure Limiter

Non-adjustable pressure limiter for symmetrical braking

Its main feature is the anti-lock : the system reduces the ratio amount of pressure put in the system by the pilot / amount of pressure received at the brake.

Very useful at landing, it helps to prevent the wheel lock up and the nose over for taildraggers, in case of over-pressure on the master cylinder.

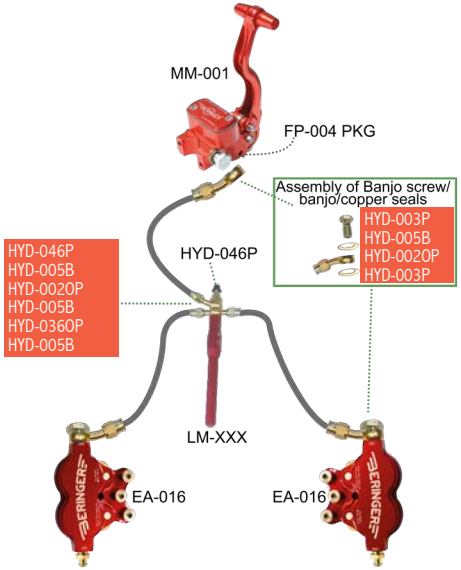
Therefore it reduces the stopping distances.

The limiter is included in most of the BERINGER kits featuring a single braking circuit (symmetrical braking).

The pressure setpoint is fixed for each model. You can choose different models depending on the airplane MTOW, the tire diameter, braking torque, ….

They are available for DOT4 or MIL brake fluid.

Caution : You must never mix the brake fluid : seals are different

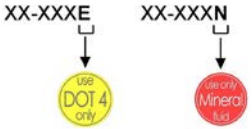


Pressure limiters

- Several types from 20 to 60 bar
- Available for DOT4 or MINERAL (MIL) brake fluid
- Connexion M10x1
- CNC machined from billet. Optimized for a long life, the body is red anodized.

Limiter ALIR P/N	Description	Weight oz	Weight g	Brake fluid
LM-001	Ultralight pressure limiter 20 bar	2.40	68	DOT4 / MIL
LM-002	Ultralight pressure limiter 25 bar	2.43	69	DOT4 / MIL
LM-003	Ultralight pressure limiter 35 bar	2.47	70	DOT4 / MIL
LM-004	Ultralight pressure limiter 45 bar	2.50	71	DOT4 / MIL
LM-005	Ultralight pressure limiter 60 bar	2.54	72	DOT4 / MIL

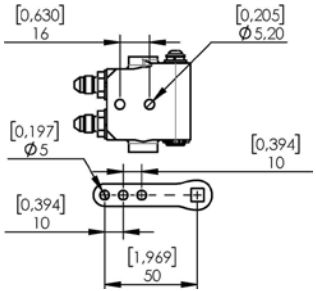
Brake fluid indication

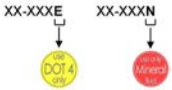


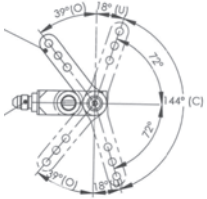
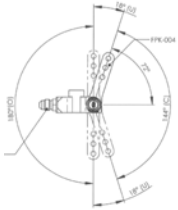
Parking Brake Valve

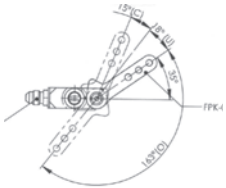
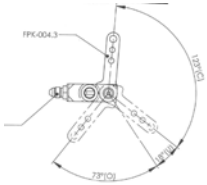
Open/close quarter turn lever operated
Max. input pressure: 1500PSI (100 bars)
CNC machined from billet. Optimized for a long life, the body is red anodized and the components made of stainless steel.
Available for DOT4 or MINERAL (MIL) brake fluid and delivered with hydraulic fittings.

Remark : The parking brake valve is designed to be operated with a push-pull button and a cable except FP-005.1 and FP-005.2





Park. valve P/N	Output	Weight oz	Weight g	
FP-001	3/8"x 24	4.52	128	
FP-003.2	7/16"x 20	4.73	134	

Park. valve P/N	Output	Weight oz	Weight g	
FP-001.2	7/16"x 20	4.67	132	
FP-001.3	3/8"x 24	4.53	128	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTECH Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
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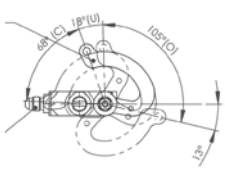
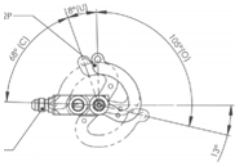
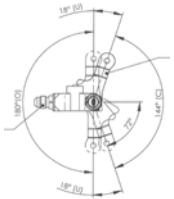
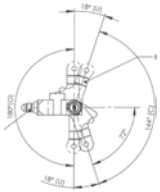
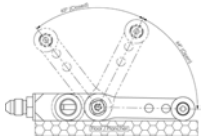
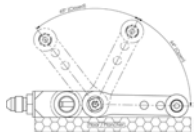
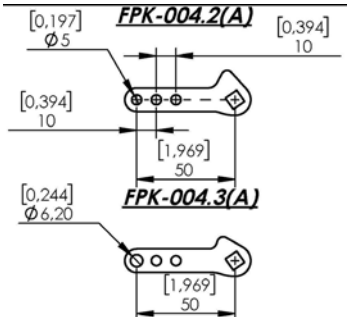
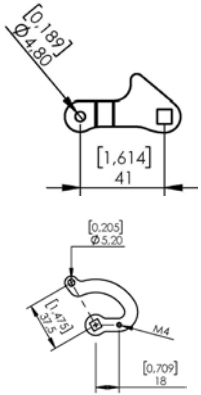
Park. Valve P/N	Output	Weight oz	Weight g	
FP-002	3/8"x 24	4.69	133	
FP-002.1	7/16"x 20	4.69	133	
FP-003	7/16"x 20	4.8	136	
FP-003.1	3/8"x 24	4.8	136	

Parking Valve P/N	Output	Weight oz	Weight g	
FP-005.1	3/8"x 24	4.93	140	
FP-005.2	7/16"x 20	4.93	140	





Spare parts : wheel O'ring - Valves

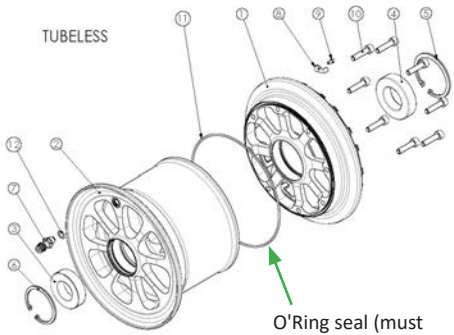
Please refer to the maintenance manual MM-02-001 on our website :

Caution : seals are available for old wheel P/N. Please contact us.

Wheels in 3 parts : please contact us

→ How to remove a tubeless tire

→ How to mount a tubeless tire



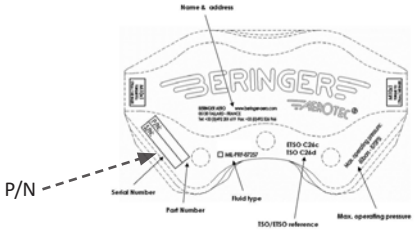
Spare parts : Brake discs / Brake pads

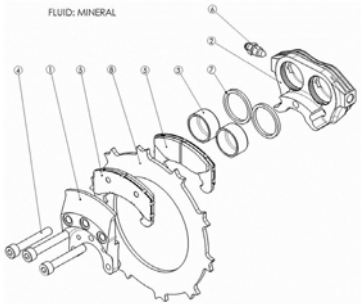
Please refer to the maintenance manual MM-01-001 on our website :

Remark : the quantity of disc and pad per braking caliper is indicated
the part numbers P/N are indicated on all parts

→ How to change brake pads

→ How to do the maintenance of a caliper





KBA01E	Repair kit for BERINGER 2 piston Ø27 caliper - DOT4
KBA01N	Repair kit for BERINGER 2 piston Ø27 caliper - MIL
KER01E	Repair kit for aluminum integral reservoir - DOT4
KER01N	Repair kit for aluminum integral reservoir - MIL

Brake pads

Brake disc

Silicon grease P/N Q-CS-003 for piston seal

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
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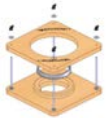
P/N	Description	Photo / Scheme
Av-PIL-101	Special wrench to tighten wheel caps BCH-001	
ONA01	Spray lubricant Tire Up	
ONB01	Spray anti-puncture	
ONC01	Brake bleeding kit	
OPA03	Bent adapter for wheel valve (tire inflate)	
OT160	Adapter for wheel valve (tire inflate) with fairing	
OPA04	Wrench adapter for axle nut ECR-002 on FUS-009.2 (square 1/2")	
OPA05	Wrench adapter for nut ECR-001 (square 3/4")	
OPA07	High pressure pump 0-20 bars	
OPA12	High pressure pump 0-30 bars	
OPA08	Wrench adapter for nut ECR-002 on AV-VANS-200 axle (square 1/2")	

P/N	Description	Photo / Scheme
OPA09	Milling cutter Ø20	
OPA10	Wrench adapter for nut ECR-002	
OPA11	Wrench adapter for nut ECR-004 (square 3/4")	
OHT02	Metric tool kit	
OUT-046(A) (old OHT01)	Tightening tool for nut E-C-002 - M25x1.5 (hexagonal 19mm)	
OUT-047	Tightening tool for nut E-C-001 and E-C-004 (hexagonal 19mm)	
OUT-078	Wrench for Rotax filter	
OT-001 OT-001.1	Tire mounting tool : • 6" HE wheel • all other 6" wheels	
OT-002	Tire mounting tool : 5" wheel	
OT-003	Wrench to tighten wheel caps BH-001 (BH-005)	
OT-012	Tire mounting tool : 8" RF-10 wheel	

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

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Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
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How to choose your wheels & brakes

1- Select first the size of the tire you need

2- Then select the wheel size required for this tire (use our application chart)

3- Check the static load rating: this is the weight on each wheel (at maximum static aircraft weight) that the wheel is capable of supporting. Check the kinetic energy rating : the first function of a brake system is to transform aircraft kinetic energy into heat. This heat is absorbed and dissipated mostly by the disc (a thicker disc will absorb more heat energy).

The kinetic energy required to stop an aircraft is a function of the mass of the aircraft and its landing speed. You can calculate the kinetic energy requirement of your aircraft by using the following formula:

$$\text{Kinetic Energy [FT-LBS]} = \frac{0.044 \times W \times V^2}{N}$$

W = Gross weight (lbs)
V = Braking speed (kts)
N = Number of wheels with brakes

The kinetic energy values shown in the chart on page 25 are maximum values in case of an RTO (Rejected Take Off). This RTO value should be 30% higher than the value calculated above.
If you are not sure what system is right for your aircraft, give us a call.

How can I order BERINGER parts ?

You can order through the BERINGER network as listed from the website www.beringer-aero.com
Call us or send an e-mail at us.sales@beringer-aero-usa.com at any time and we will return some ideas.

I have a technical question. Who can help ?

Our Service Centers are able to answer many technical questions, but for a precise technical or engineering question, please contact BERINGER customer support department.

Why are most BERINGER wheels made for tubeless tires ?

Tubeless has many advantages compared to tube type:

- Safer (less risk of puncture)
- Weight saving (a tube weights around 1 to 2 lbs)
- Cost effective (no tube means no tube to buy)

These are the same reasons why nowadays you find tubeless wheels on cars, motorcycles, and all commercial airplanes. Tubeless designs have specific features to be airtight (most designs use o-rings) and precise machining to ensure proper contact between tire and wheel.

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

How do I know the type of brake fluid to fill my brake system?

The type of brake fluid to use is most of the time written directly on the brake caliper and on m. cyls. DOT4 usually has yellow to amber color and MINERAL ("Mil spec" or "aviation") brake fluid is red. If you have any doubt please contact us.

Brake fluid is critical to the function and performance of your brake system. Choosing the right brake fluid will insure trouble free functioning for many years. Conversely, the wrong brake fluid will damage seals and cause failure of your brake system. There are two predominant "families" of brake fluid in use worldwide:

A. The first family is polyethylene-glycol based and is compatible with only EPDM seals.
These fluids have been developed for the hydraulic brakes of motor vehicles and are called DOT3, DOT4, DOT5 or DOT5.1
DOT3 has lower performance and has been replaced by DOT4. DOT4 is the most commonly used fluid in motor vehicles. DOT5 is usually silicone-based, but is not commonly used, and is not miscible ("mixable") with DOT3 or DOT4. DOT5.1 is not miscible with DOT5 and may also be not miscible with DOT3 or DOT4.

The primary objection to DOT 3 and 4 fluids was that they are hygroscopic (they absorb water). However, in a sealed reservoir, in a corrosion-resistant brake system, DOT4 fluids will remain usable for minimum 10 years. Additionally DOT3 and 4 brake fluids are aggressive with paint. Continent systems and care in handling remove this negative.

In the "DOT" family, we recommend using DOT4 and only DOT4 because the performance is adequate, and all DOT4 brands are miscible with each other.

DOT4 is used on many ultralight aircraft. You can purchase DOT4 almost everywhere around the globe as it is used on all recent cars and most motorcycles.

B. The second family is synthetic mineral-oil based and compatible with only* NBR (Nitrile) seals.
The hydraulic fluid MIL-H-5606 has been commonly used in general aviation for many years.
The major deficiencies of MIL-H-5606 are its high flammability and a relatively low boiling point.

In the "mineral" or "MIL" family we recommend using the MIL-PRF-87257 as a replacement of the MIL-H-5606. These 2 fluids are compatible and miscible with each other. MIL-PRF-87257 is fire resistant and synthetic-hydrocarbon based, it has also a higher boiling point than MIL-H-5606.

NBR (Nitrile) seals □ mineral fluid □ red color □ MIL-PRF-87257 recommended
EPDM seals □ DOT4 brake fluid □ colorless to amber color □ DOT4 only

Notes: EPDM seals are very sensitive to petroleum based solvents: few minutes of contact can completely damage the EPDM seals. That is why we recommend cleaning the parts only with a dry cloth or soap and water.

* These fluids may be compatible with other seal materials (contact us for more information)

Brake Fluid	Brake Fluid Color	Seals	
		EPDM	NBR (nitrile)
DOT4	Colorless to amber	ok	Not compatible
MIL-H-5606	rouge	Not compatible	ok
MIL-PRF-87257	rouge	Not compatible	ok

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

I filled my brake system with the wrong brake fluid: what can I do ?

Please refer to MM-00-007

If I switch to BERINGER Wheels & Brakes do I also need to change my M. Cylinders?

If they are compatible with the brake fluid then you still need to check the hydraulic ratio: with our brakes we recommend using M. Cyl.s with a piston bore of 1/2" (9/16" maximum). If the bore of the M. Cyl.s is too big, they cannot produce enough pressure to provide enough braking torque on the wheels.

Some master cylinders are so crude (or just so old) that the inherent smoothness and feel of BERINGER calipers can be masked in operation; for this reason, we recommend using only BERINGER master cylinders.

I want to improve my Wheel & Brake system but BERINGER prices are too high

BERINGER systems are a little more expensive than ordinary products but thanks to their exceptional reliability and life, the operating cost is much more economical. It is often possible to pay back your investment in 1 or 2 years, with brake components that last, lines that don't leak, pads that have 3-5 times the life of legacy pads, quicker and simpler pad replacements, no tube expenses, no bearing maintenance, and (with ALIR), fewer flat-spotted tires and straighter, shorter stops.

And all that time, you are enjoying better, smoother braking. (And BERINGER wheels save weight and look good, too.)

Finish : Red is the standard color for all BERINGER products, black is a free option for wheel finish too.
A palet of colors is also available for the wheels (refer to website) with an extra charge and leadtime.

Installing a BERINGER wheel and brake kit on your aircraft greatly increases the braking performance and raises your level of safety.

The following pages feature complete STCs : wheels/brakes/axles/tires/master cylinders/hydraulic (brake lines and fittings)/pressure limiters or regulators/parking brake valves, along with landing gear solutions and fairings.

For more detailed information on the kits and its components, please refer to the parts pages, including features and technical data (see content list page 3).

NEW STC AVAILABLE

Beechcraft Bonanza STC-025.2

STC n°	Aircraft Make/Model	Content of the STC
STC-002.1	Pilatus / PC-6	12" wheels- Tailwheel - Brakes (pilot) - Axles - Anti-lock regulator - Brake lines
STC-002.2	Pilatus / PC-6	12" wheels - Tailwheel - Brakes (pilot/cop.) - Axles - Anti-lock regulator - Brake lines
STC-002.3	Pilatus / PC-6	10" wheels - Tailwheel - Brakes (pilot/cop.) - Axles - Anti-lock regulator - Brake lines
STC-002.4	Pilatus / PC-6	10" wheels- Tailwheel - Brakes (pilot) - Axles - Anti-lock regulator - Brake lines
STC-003	Centrair / Pegase	Main wheel - Brake - Brake limiter - Parking valve - Reservoir - Axle - Brake line
STC-004	Cirrus /SR20/SR22/SR22T	Main/nose wheels - Freins DUAL - Axles - Brake lines
STC-005	Schleicher / ASW20	Main wheel - Brake - Brake limiter - Reservoir - Axle - Brake line
STC-006	Robin / DR400	Brakes and brake supports
STC-007	Schempp Hirth / Discus/Ventus2A	Main wheel - Brake - Axle - Brake line (Duo Discus available only from Shempp Hirth)
STC-008	De Havilland / Twin Otter DHC-6	Nose wheel - Axle
STC-009.3	Diamond / DA40	Main/nose wheels - Brakes - Reservoirs - Axles - Brake lines
STC-011	UAB / Lak 17A	Main wheel - Brake - Brake limiter - Axle - Brake line
STC-012.1	Extra Aircraft / Single seater	Main wheels - Brakes - Reservoirs - Axles - Brake lines
STC-012.2	Extra Aircraft / Extra Two seater	Main wheels - Brakes - Reservoirs - Axles - Brake lines

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

STC n°	Airplane name	Content of the STC
STC-013.1	Diamond / DA42	Main/nose wheels - Single brakes - Axles - Brake lines
STC-13.2	Diamond / DA42NG	Main/nose wheels - Single brakes - Axles - Brake lines
STC-014.1	Piper / PA-28 150/151/160/161	Main/nose wheels - Brakes (pilot/co pilot) - Axles - Brake lines
STC-014.2	Piper / PA-28 180/181	Main/nose wheels - Brakes (pilot/co pilot) - Axles - Brake lines
STC-014.3	Piper / PA-28 150/151/160/161	Main/nose wheels - Brakes (pilot/co pilot) - Axles - Brake lines
STC-015	DG Flugzeugbau / LS4	Main wheel - Brake - Brake limiter - Axle - Brake line
STC-016	Piper / PA-18 Cleveland/Grove	Brake Heel master cylinders
STC-017.1	Piper / PA-46 310P/350P/350T	Main/nose wheels - Brakes (pilot/co pilot) - Axles - Brake lines
STC-017.2	Piper / PA46 500TP	Main/nose wheels - Freins DUAL (pilot/co pilot) - Axles - Brake lines
STC-018	Piper / PA-18 Cleveland/Grove	ALG Landing gear - Axle kit 1.5"
STC-018.2	Piper / PA-18	10" Main wheels - Heel brakes - Reservoirs - Axles - ALG landing gear
STC-018.3	Piper / PA-18	6" Main wheels - Heel brakes - Reservoirs - Axles - ALG landing gear
STC-019.1	Piper / PA-18 - Axle 1.5"	10" Main wheels - Heel brakes - Reservoirs - Axle adaptation parts
STC-019.2	Piper / PA-18 - Axle 1.25"	10" Main wheels - Heel brakes - Reservoirs - Axle adaptation parts
STC-021	Diamond / DA62	Main/nose wheels - Tires - Single brakes - Axles - Brake lines
STC-022.1	Cessna / 180/182 with fairings	Main wheels - Brakes - Reservoirs - Axles - Brake lines
STC-022.2	Cessna / 180/182 without fairings	Main wheels - Brakes - Reservoirs - Axles - Brake lines
STC-022.3	Cessna / 1820/182 with fairings	Nose wheel - Axle
STC-022.4	Cessna / 180/182 without fairings	Nose wheel - Axle
STC-022.5	Cessna / 182 - Tube LG	Brake line set
STC-022.6	Cessna / 182 - Spring LG	Brake line set
STC-022.7	Cessna 182	Nose Wheel 6.00x6''
STC-025.2	Beechcraft Bonanza	Main wheels - Brakes - Copilot - Axles - Brake lines 6.00x6''
STCE-102*	Pitts S1-S2	Main wheels - Brakes - Reservoirs - Axles - Brake lines (*STC owned by Air Projet)

For Packing list and ICA please refer to this page : shop-beringeraero.com

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose wheel P/N (optional)	Wheel color	Accessories (order separately)	Notes
Centrair / Pegase	**STC-003** Wheel 5.00-5" *tire 5.00-5" Caliper/disc/pads Axle	1x master cylinder Reservoir Parking brake - Limiter Brake lines/fittings		standard red or black color	TP-005 SensAIR® 5"	
Cessna / 180/182 With fairings	**STC-022.1** Wheels 6.00-6" Calipers/discs/pads Axles	2x master cylinders 3x Reservoirs Brake lines/fittings	**STC-022.3** Wheel 5" Axle	other colors option	TP-006 SensAIR® 6" TP-005 SensAIR® 5"	
Cessna / 180/182 Without fairings	**STC-022.2** Wheels 6.00-6" Calipers/discs/pads Axles	2x master cylinders 3x Reservoirs Brake lines/fittings	**STC-022.4** Wheel 5" Axle			
Cessna / 182 Tube LG	**STC-022.5** Brake line set Bracket					
Cessna / 182 Spring LG	**STC-022.6** Brake line set Bracket					

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose wheel P/N (included)	Wheel color	Accessories (order separately)	Notes
Cirrus SR20/22/22T	**STC-004 DUAL** brake Wheels 6.00-6" Calipers/discs/pads Axles 	4x master cylinders ALIR regulator Brake lines/fittings 	Nose wheel 5" Axle	standard red or black color other colors option	TP-006 SensAIR® 6" TP-005 SensAIR® 5" 	**STC-010** must be ordered to Cirrus Direct

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose wheel (included)	Wheel color	Accessories (order separately)	Notes
DG Flugzeugbau / LS4	**STC-015** Wheel 4.00-5" *tire 11x4.00-5" Caliper/disc/pads Axle/ parts	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings		standard red or black color	TP-005 SensAIR® 5"	
Diamond / DA40	**STC-009.3** **STC-009 Tundra** Wheels 6.00-6" Calipers/discs/pads Axles	4x master cylinders 2x reservoirs Brake lines/fittings	Wheel 5.00-5" Axle		TP-006 SensAIR® 6" TP-005 SensAIR® 5"	
Diamond / DA42	**STC-013.1** Wheels 6.00-6" Calipers/discs/pads Axles	4x master cylinders 2x reservoirs Brake lines/fittings	Wheel 5.00-5" Axle	other colors option	TP-006 SensAIR® 6" TP-005 SensAIR® 5"	MTOW : 1 785kg or less
Diamond / DA42NG	**STC-013.2** Wheels 6.00-6" Calipers/discs/pads Axles	4x master cylinders 2x reservoirs Brake lines/fittings	Wheel 5.00-5" Axle		TP-006 SensAIR® 6" TP-005 SensAIR® 5"	MTOW : 1 900 kg or less
Diamond / DA62	**STC-021** Wheels 6.00-6" Calipers/discs/pads Axles	4x master cylinders 2x reservoirs Brake lines/fittings	Wheel 6.00-6" Axle		TP-006 SensAIR® 6"	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose / Tailwheel (Included)	Wheel color	Accessories (order separately)	Notes
Extra Aircraft / Extra *single seater*	**STC-012.1** Wheel 5.00-5" Caliper/disc/pads Axle/parts	2x master cylinders 2x reservoirs Brake lines/fittings		standard red or black color other colors option	TP-005 SensAIR® 5"	
Extra Aircraft / Extra *two seater* 	**STC-012.2** Wheel 5.00-5" Caliper/disc/pads Axle/parts	4x master cylinders 2x reservoirs Brake lines/fittings			TP-005 SensAIR® 5" 	
Pilatus / PC-6 	**STC-002.1** Pilot brakes Wheels 12" Calipers/discs/pads Axles	2x master cylinders ALIR regulator Brake lines/fittings	Tailwheel 5.00-4" Axle	 		It is possible to switch from pilot STC to pilot+co-pilot STC
	STC-002.2 Pilot+Co-pilot brakes Wheels 12" Calipers/discs/pads Axles	4x master cylinders ALIR regulator Brake lines/fittings	Tailwheel 5.00-4" Axle			
	STC-002.4 Pilot brakes Wheels 10" Calipers/discs/pads Axles	2x master cylinders ALIR regulator Brake lines/fittings	Tailwheel 5.00-4" Axle			
	STC-002.3 Pilot+Co-pilot brakes Wheels 10" Calipers/discs/pads Axles	4x master cylinders ALIR regulator Brake lines/fittings	Tailwheel 5.00-4" Axle			

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Landing gear	Wheel color	Accessories (order separately)
DG Flugzeugbau / LS4	**STC-015** Wheel 4.00-5" *tire 11x4.00-5" Caliper/disc/pads Axle/parts	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings		red or black color other colors option 	TP-005 SensAIR® 5"
Piper / PA-18 Cleveland/Grove brakes		STC-016 2x Heel master cylinders 2x heel levers 2x reservoirs			
Piper / PA-18 1.25" OEM axle	**STC-019.2** Wheel 10" Calipers/discs/pads Adaptation parts for 1.25" LG	2x Heel master cylinders 2x heel levers 2x reservoirs	**STC-018 + STC-018-AXLE2** ALG landing gear Kit axles 1.5" for 6" wheels (Cleveland-Grove)		
Piper / PA-18 1.50" OEM axle	**STC-019.1** Wheel 10" Calipers/discs/pads Adaptation parts for 1.50" LG	2x Heel master cylinders 2x heel levers 2x reservoirs			
Piper / PA-18 BERINGER ALG LG	**STC-018.3** Wheel 6" Calipers/discs/pads Axles	2x Heel master cylinders 2x heel levers 2x reservoirs	ALG landing gear (included) 		
	STC-018.2 Wheel 10" Calipers/discs/pads Axles	2x Heel master cylinders 2x heel levers 2x reservoirs			

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTECH Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Aircraft Make/Model	Wheel/Brake package P/N	Brake controls (included)	Nose / Tailwheel (Included)	Wheel color	Accessories (order separately)	Notes
Piper / PA-28 180/181	**STC-014.2** Wheels 6.00-6" Calipers/discs/pads Axles/parts	4x master cylinders Brake lines/fittings	Nose wheel 6.00-6" Axle/parts	standard red or black color other colors option	TP-006 SensAIR® 6"	The 3 STC's include pilot and co-pilot brakes
Piper / PA-28 150/151/160/161 With wheel fairings	**STC-014.1** Wheels 6.00-6" Calipers/discs/pads Axles/parts	4x master cylinders Brake lines/fittings	Nose wheel 5.00-5" Axle/parts		TP-005 SensAIR® 5" TP-006 SensAIR® 6"	
Piper / PA-28 150/151/160/161 Wihout wheel fairings	**STC-014.3** Wheels 6.00-6" Calipers/discs/pads Axles/parts	4x master cylinders Brake lines/fittings	Nose wheel 5.00-5" Axle/parts			
Piper / PA-46 310P/350P/350T	**STC-017.1** Wheels 6.00-6" Calipers/discs/pads Axles/parts	4x master cylinders Brake lines/fittings	Nose wheel 5.00-5"		TP-005 SensAIR® 5" TP-006 SensAIR® 6"	The 2 STC's include pilot and co-pilot brakes
Piper / PA-46 500TP	**STC-017.2** Wheels 6.00-6" Calipers/discs/pads Axles/parts	4x master cylinders Brake lines/fittings	Nose wheel 5.00-5"			

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose / Tailwheel (Included)	Wheel color	Accessories (order separately)	Notes
Pitts S1/S2	**STCE-102*** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles	2x master cylinders Reservoirs Brake lines/fittings		standard red or black color other colors option	TP-005 SensAIR® 5"	*STC owned by Air Projet
Robin / DR400	**STC-006** Brake : caliper/disc/pads Special flange/brake support					

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose / Tailwheel (Included)	Wheel color	Accessories (order separately)	Notes
Schempp Hirth / Discus/Ventus 2A	**STC-007** Wheel 4.00-5" *tire 11x4.00-5" Caliper/disc/pads Axle/parts	1x master cylinder Reservoir Brake lines/fittings		standard red or black color other colors option	TP-005 SensAIR® 5"	
Schleicher / ASW20	**STC-005** Wheel 5.00-5" *tire 5.00-5" Caliper/disc/pads Axle/parts	1x master cylinder Reservoir Limiter Axle Brake lines/fittings			TP-005 SensAIR® 5"	
UAB / Lak 17A	**STC-011** Wheel 5.00-5" *tire 5.00-5" Caliper/disc/pads Axle/parts	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings			TP-005 SensAIR® 5"	
Viking Air / Twin Otter DHC-6			**STC-008** Nose wheel kit Wheel 8.9x12.5" Axle			

Installing a BERINGER wheel and brake kit on your aircraft greatly increases the braking performance and raises your level of safety. The landing gear solutions, Alaskan Landing Gear for taildraggers and Shock Wheel for spring gears, come as options with the wheel and brake kits.

The following pages feature complete setups : wheels/brakes/axles/tires/master cylinders/hydraulic (brake lines and fittings)/pressure limiters or regulators/parking brake valves, along with landing gear solutions and fairings. The kits are listed alphabetically as per the aircraft name. If your aircraft is not listed, please contact us.

For more detailed information on the kits and its components, please refer to the parts pages, including features and technical data (see content list page 3). The kit content shown in these pages is not contractual and can vary from one aircraft model to another (for example the Van's RV kits don't include reservoirs or regulator).

Tires are optional and not part of the standard kits (invoiced separately)
Please consult us for specific use or other dimensions. We highly recommand the tire installation by BERINGER for all new wheels and tires bought at BERINGER. This service, charged on top, includes a pressure test to ensure the conformity of the installation.

Finish : Red is the standard color for all BERINGER products, black is a free option for wheel finish too.
A palet of colors is also available for the wheels (refer to website) with an extra charge and leadtime.

RED

BLACK

ORANGE

ELECTRIC BLUE

GOLD

PURPLE

FOREST GREEN

ROYAL BLUE

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
A2CZ / Ellipse	**SEL01** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder lever - reservoir parking brake limiter Brake lines/fittings	**SAE01A** wheel 4.00-6" *tire 13x5.00-6" axle	standard red or black color other colors option		SensAIR®	
Aero East Europe / Sila	**SLI01** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder reservoir 1x pressure limiter Brake lines/fittings	6" wheel 4.00-6" *tire 15x6.00-6" axle			SensAIR®	
Aero Super Guépard / Super Guépard	**SGU01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder reservoir parking brake limiter Brake lines/fittings	Ask us, options available		Shock wheel : ask us, options available B'FleX LG	SensAIR® Co-pilot hand brake	There are several original LG : ask us to make sure of the correct dimensions
Aeropilot / Legend 540 / 600	**SLG01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles - Wheel caps	Brake lines/fittings	SLG01A wheel 3.50-4" *tire 4.00-4" Axle SLG02A wheel 4.00-6"		AV-LEG-130	SensAIR®	

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Aeroprakt / A22/A32	**SA201** new types **SA202** first types Wheels 6.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**SA201A** wheel 4.00-6" *tire 15x6.00-6" Axle **SA202A** wheel 6.00-6" Large fork Axle	standard red or black color other colors option	Shock Wheel SPEED'AIR fairings	SensAIR®	
Aeropro / Eurofox	**SEF01** Wheels 6.00-6" *tires 15x6.00-6" or 6.00-6" or 22" (bush use) Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR regulator Brake lines/fittings	Tailwheel : **GLR** groundloop resistant Wheel 4" TW support Levier/cable to lock/unlock **AV-ERF-030** Fork 100 mm wheel 3,5x4		Shock Wheel (two types depen-ding on the tires)	SensAIR® Parking brake Rudd'AIR pedals (pilot/co-pilot) Axles for Datum skis	
Aerospool / WT10	**SAE03** Wheels 5.00-5" *tires 11x4.00-5" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir ALIR Regulator Brake lines/fittings	included : wheel 4.00-6" *tire 13x5.00-6" Axle		Shock Wheel	SensAIR®	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel colou	Landing Gear (optional)	Accessories (order separately)	Notes
Aerospool / WT9	**SAE01** Wheels 4.00-6" *tires 15x6.00-6" Etriers/disques/pla-quettes Axes Bouchons de roue	1x master cylinders Reservoirs ALIR regulator Brake lines/fittings	**SAE01A** Wheel 4.00-6" *pneu 13x5.00-6" Axle	standard red or black color other colors option	Shock wheel	SensAIR®	

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Airlony / Skylane	**SSK05** (recent model) **SSK02** (first model) Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Wheel caps	2x master cylinders Reservoirs ALIR regulator Brake lines/fittings	SST07A wheel 3.50-4" *tire 4.00-4" Axle	standard red or black color	Shock Wheel SPEED'AIR fairings	SensAIR® Parking brake Co-pilot brakes	Other color options

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
AirRes / Bücker Jungmeister	**SBJ02** Wheels 6.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings		standard red or black color other colors option		SensAIR® Parking brake	The axle must be machined from ø38.3 to 38.1mm
AirRes / Bücker Jungmann	**SBJ01** Wheels 6.00-6" *tires 6.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings				SensAIR® Parking brake Co-pilot brakes	Some special parts must be ordered direct to AirRes . The axle must be machined from ø38.3 to 38.1mm
Alpi Aviation / Pioneer P200/300 Kite	**SPI01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings	**SPI01A** wheel 3.50-4" *tire 4.00-4" Axle		Shock Wheel	SensAIR® Co-pilot hand brake	
Alpi Aviation / Pioneer P300 RLG	**SPI03** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings	**SPI01A** wheel 3.50-4" *tire 4.00-4" Axle		Shock Wheel	SensAIR® Co-pilot hand brake	
Alpi Aviation / Pioneer P400	**SPI02** Wheels 5.00-5" *tires 5.00-5" Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings	4" nose kit wheel 3.50-4" *tire 4.00-4" Axle			SensAIR® Co-pilot hand brake	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Apollo Aircraft Apollo Fox 	**SAP01** Wheels 4.00-6" *tires 6.00-6" Calipers/discs/pads Axles		**AV-POL-030** wheel 4.00-6" *tire 4.00-6" Axle	standard red or black color other colors option 		SensAIR®	Brake controls/ hydraulic/park brake : ask us, options available
Apollo Aircraft Apollo Fox	**SAP02** Wheels 6.00-6" Calipers/discs/pads Axles- Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings			Shock Wheel SPEED'AIR fairings 	SensAIR® Parking brake Co-pilot brakes	
Argo Aero / Argon 	**SAG03** Wheels 4.00-6" *tires 4.00-6" or 15x6.00-6" Calipers/discs/pads Axles	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings			Shock Wheel SPEED'AIR fairings 	SensAIR® Co-pilot brake 	
ASSO / Asso 5 			**AV-ALPI-230** Fork 4.65" 118mm wheel 3.50-4" *tire 4.00-4" Axle			SensAIR® 	
ASSO / Asso X 			**AV-ALPI-230** Fork 4.41" 112mm wheel 3.50-4" Axle			SensAIR® 	

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
ASSO / Vidor	**SVID01** Wheels 4.00-6" *tires 4.00-6"Calipers/ discs/pads Axles	2x master cylinders Reservoirs Brake lines/fittings		standard red or black color other colors option 		- SensAIR® 	
ATEC / Faeta 	**SAF01** Wheels 4.00-6" *tires 4.00-6" Calipers/ discs/pads Axles - Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**SAZ01A** wheel 3.50-4" *tire 4.00-4" Axle		- Shock Wheel - SPEED'AIR fairings 	- SensAIR® - Co-pilot hand brake 	
ATEC / Zephyr 	**SAZ01** Wheels 4.00-6" *tires 4.00-6" or 15x6.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**SAZ01A** wheel 3.50-4" *tire 4.00-4" Axle		- Shock Wheel - SPEED'AIR fairings	- SensAIR® - Co-pilot hand brake	
AutoGyro / MTO Sport 2010-2017 	**SAG01** Wheels 4.00-6" *tires 4.00-6" or 15x6.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings	**SAG02A** wheel 6" *tire 4.00-6" Axle		- Shock Wheel - SPEED'AIR fairings 	- SensAIR® 	
AutoGyro / Calidus 	**SAG01** Wheels 4.00-6" *tires 4.00-6" or 15x6.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings	**SAG01A** wheel 3.50-4" *tire 4.00-4" Axle				

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
AutoGyro / Cavalon	**SAC01** Wheels 4.00-6" *tires 4.00-6" Calipers/ discs/pads Axles - Wheel caps	Ask us, options available		standard red or black color other colors option	Shock Wheel SPEED'AIR fairings	SensAIR®	
Avid Flyer	**SAF02** Wheels 6.00-6" *tires 15x6.00-6" or 6.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**TW-001 GLR** groundloop resistant Wheel 3.50-4" *tire 2.80/2.50-4" TW support Levier/cable to lock/unlock			SensAIR® Co-pilot brakesGLR tailwheel bush TW-002	
Avions Michel Barry / Sourisbulle MB04	Wheels 6.00-6" *tires 22" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir ALIR Regulator Brake lines/fittings	**TW-002 GLR** groundloop resistant Wheel 3.50-4" *tire 4.00-4" TW support Levier/cable to lock/unlock		ALG Landing Gear	SensAIR® Differentiel brakes on rudder pedals	
Backcountry / SQ	**SSQB01** Wheels 8.50-10" *tires 22" (for OEM axle) Calipers/discs/pads Wheel caps	2x master cylinders Reservoirs Brake lines/fittings					6" wheels also available

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Bearhawk Aircraft Bearhawk 2 OEM axle 1.5" 	**SBH01** Wheels 6.00-6" *tires 6.00-6" Calipers/discs/pads Axles - Wheel caps	Brake controls/ALIR Regulator/brake lines/ fittings : Ask us, options available		standard red or black color other colors option 		SensAIR® 	
BEDE / BD4 	**SBD02** Wheels 6.00-6" *tires 6.00-6" Calipers/discs/pads Axles - Wheel caps	Brake controls/ALIR Regulator/brake lines/ fittings : Ask us, options available	**AV-BEDE-030** wheel 3.50-4" Axle			SensAIR® 	
Blackshape / Blackshape Prime 	**SBL01** Wheels 4.00-6" *tires 4.00-6" Calipers/ discs/pads Axles - Wheel caps	Brake lines/fittings				SensAIR® Parking brake 	
BOT Aircraft / Speed Cruiser 	**SBT01** Wheels 4.00-6" *tires 4.00-6" Calipers/ discs/pads Axles	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**SBT01A** wheel 4.00-5" *tire 11x4.00-5" Axle			SensAIR® 	
Brandli / Cherry BX2 			**AV-CHER-031** wheel 3.50-4" *tire 4.00-4" Axle			SensAIR® 	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Breezer / B400/B600	**SBR01** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**SBR01A** wheel 3.50-4" *tire 4.00-4" Axle	standard red or black color other colors option 	Shock Wheel SPEED'AIR fairings 	SensAIR® Co-pilot hand brake Parking brake 	
BRM / Citius Land Afrika Okavango tires ≤ 26" Rudder pedal brakes 	**SSV01** Wheels 6.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**SSV01A** large fork Wheel 4.00-6" *tire 15x6.00-6" Axle **SSV02A** narrow fork wheel 4.00-6" *tire 4.00-6" Axle		Shock Wheel SPEED'AIR fairings 	SensAIR® Co-pilot brakes Parking brake 	Nose wheel aircraft use Shock Wheel Taildragger use ALG LG
BRM / Citius Land Afrika Okavango tires < 26" Hand brake	**SSV02** Wheels 6.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**SSV01A** large fork Wheel 4.00-6" *tire 15x6.00-6" Axle		Shock Wheel SPEED'AIR fairings		
BRM / Citius Land Afrika Okavango	**SSV16** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**SSV02A** narrow fork wheel 4.00-6" *tire 4.00-6" Axle				

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessoires (com Accessories (order separately)	Notes
BRM Aero / XL8 Bristell	**SBM04** Wheel 4.00-6" *tire 4.00-6" Calipers/discs/pads Axles - Wheel caps	**SBM06** 1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**SBM08** wheel 3.50-4" *tire 4.00-4" Axle	standard red or black color other colors option	Shock wheel SPEED'AIR fairing	SensAIR® Co-pilot brakes	
	SBM03 Wheel 5.00-5" *tire 5.00-5" Calipers/discs/pads Axles - Wheel caps	**SBM09** 2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**SBM07** Wheel 5" *tire 5.00-5" Axle		Shock wheel SPEED'AIR fairing	SensAIR® Co-pilot brakes Parking brake	
	SBM13 Wheels 6.00-6" *tires 22" Calipers/discs/pads Axles - Wheel caps	**SBM09** 2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**SBM12** Wheel 6" *tire 4.00-6" Axle not included (contact BRM Aero)		Shock wheel SPEED'AIR Fairing	SensAIR® Co-pilot brakes Parking brake	
XL8 Bristell TD	**SBM11** Wheels 6.00-6" *tires 22" Calipers/discs/pads Axles - Wheel caps	**SBM09** 2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**AV-BRM-620** groundloop resistant Wheel 3.50-4" *tire 4.00-4" TW support Levier/cable to lock/unlock		**SSF01** ALG	SensAIR® Co-pilot brakes Parking brake	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Century / Storm	**STR01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings	**STR01A** wheel 4.00-6" *tire 4.00-6" Axle	standard red or black color other colors option	Shock Wheel ask us, options available	SensAIR®	
Cessna / L19 Bird Dog	**SBD01** Wheels 6.00-6" Several tires available Calipers/discs/pads Axles - Wheel caps	2x master cylinders Extenders Reservoirs Brake lines/fittings	**SST11** Scott mounting wheel 3.50-4" *tire 4.00-4" Axle		Shock Wheel	SensAIR® Co-pilot brakes Parking brake ALIR Regulator	Non certified kit Tires 8.50-6"6.00-6"
Chatelain / AC11	**SAC02** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings	**AV-AC11-030** wheel 4.00-5" *tire 11x4.00-5" Axle			SensAIR® Parking brake	
Claude Piel / Emeraude CP301	**SEM01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**STR01A** wheel 4.00-6" *tire 4.00-6" Axle			SensAIR® Parking brake Rudd'AIR pedal	For original landing gear = Ø50mm, other possibilities, contact us

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Colomban / Luciole MC30	**SLU01** Wheels 3.50-4" *tires 4.00-4" Calipers/discs/pads Axles	Options available, ask us		standard red or black color other colors option		SensAIR®	Other colors option
Comco / Ikarius C42	**SCC01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles	1x master cylinder handbrake Reservoir Limiter Brake lines/fittings	**SCC01A** wheel 4.00-6" *tire 4.00-6" Axle				

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Compact Compositi / Millenium Master	**SML01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles	Options available, ask us	**AV-MIL-030** Wheel 4" * tire 4.00-4" Axle	standard red or black color other colors option		SensAIR®	
Czech Sport Aircraft / Sportcruiser	**SSC02** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**AV-CZE-030** Wheel 5" *tire 5.00-5" Axle			SensAIR® Co-pilot brakes Parking brake	

RED

BLACK

ORANGE

ELECTRIC BLUE

GOLD

PURPLE

FOREST GREEN

ROYAL BLUE

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Train d'atterr. (option)	Landing Gear (optional)
Cubcrafters / Carbon Cub OEM LG	**CCF05** Wheels 6.00-6" Calipers/discs/pads Axles Wheel caps Adaptators for 1.25" axle	2x master cylinders Reservoirs Brake lines/fittings	**AV-CUBC-120(A)** Ground loop resistant tail - wheel 3.50-4" * tire 4.00-4" - Cable / handle (not included) ou SST10 (Matco replacement) ou SST11 (Scott replacement)	Standard red or black other option color	ALG	SensAIR® Anti-skid ALIR Parking brakes DUAL Brakes
	CCF07 Wheels 10" Calipers/discs/pads Axles Wheel caps Adaptators for 1.25" axle	2x master cylinders Reservoirs Brake lines/fittings				
Cubcrafters / Carbon Cub (ALG LG)	**CarbonCUB-018.3** Wheels 6.00-6" Calipers/discs/pads Axles Wheel caps Adaptators for 1.25" axle"	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings Additional kit for adaptation	**AV-CUBC-120(A)** Ground loop resistant tail - wheel 3.50-4" * tire 4.00-4" - Cable / handle (not included) ou SST10 (Matco replacement) ou SST11 (Scott replacement)			SensAIR® Anti-skid ALIR Parking brakes DUAL Brakes
	CarbonCUB-018.2 Wheels 10" Calipers/discs/pads Axles Wheel caps Adaptators for 1.25" axle	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings Additional kit for adaptation				

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
DB4/ Fascination RLG	**SFB01** Wheels 4.00-5" *tires 11x4.00-5" Calipers/discs/pads Axles **AV-FASC-031** Roues 4.00-5"	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**AV-FASC-030** Fork 4.92" 125mm wheel 4.00-6" *tire 4.00-6" Axle **AV-FASC-03** Fork 4.72" 120mm wheel 4.00-5" *tire 11x4.00-5" Axle	red or black color other colors option		SensAIR® Co-pilot hand brake	
Fascination FLG	**SFB02** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings					
Direct Fly / Alto 912	**SAL02** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	Nose wheel kit : wheel 4.00-6" *tire 4.00-6" Axle Indicate the fork int. width : 5.12" 130mm 5.27" 134mm		Shock Wheel	SensAIR® Co-pilot brake Brake on stick+limiter Wheels 5.00-5"	
Distar / Lambada	**SLA01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings				SensAIR® Co-pilot hand brake	

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Dova Aircraft / Skylark	**SD001** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**AV-DOV-030** wheel 4.00-6" *tire 4.00-6" Axle	standard red or black color		SensAIR® Co-pilot brake	
Dynaero / MCR	**SDY03 Standard LG** **SDY01 Oleo LG** Wheels 4.00-5" *tires 11x4.00-5" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**SDY02A** wheel 3.50-4" *tire 3.00-4" Axle **SDY01A** wheel 4.00.5" *tire 11x4.00-5" Axle	other colors option		SensAIR® Co-pilot brake	MCR01 standard LG and oleo gear have different axles Brake master cylinders can be mounte on the pedal or close to the hands
	SDY02 Standard LG + brakes between the seats Wheels 4.00-5" *tires 11x4.00-5" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings				SensAIR® Co-pilot brakes	
Ekolot / Topaz/Junior	**SEK01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**SEK02A** narrow fork **SEK01A** large fork wheel 4.00-6" *tire 4.00-6" axle		Shock Wheel SPEED'AIR fairings	SensAIR® Co-pilot brake	Shock Wheel : If already equipped with BERINGER wheels, axle must be changed

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
ELA Aviacion / ELA Eclipse	**SEL02** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Bracket Reservoir Limiter Brake lines/fittings	**AV-ELA-030** wheel 3.50-4" *tire 3.00-4" Axle	standard red or black color other colors option	Shock Wheel SPEED'AIR fairings	SensAIR®	
Europa Aircraft Europa monowheel	**SEU02** Wheel 6.00-6" *tire 7.00-6" or 8.00-6" Caliper/disc/pads axle	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings				SensAIR®	Europa nose wheel : ask us
Evektor / Eurostar	**SEU01** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**SEU01A** wheel 4.00-6" *tire 13X5.00-6" axle		Shock Wheel SPEED'AIR fairings	SensAIR® Co-pilot brake Parking brake	
Evektor / Sportstar	**SEU01** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**SEU01A** wheel 4.00-6" *tire 13X5.00-6" axle		Shock Wheel ask us	SensAIR® Co-pilot brake Parking brake	

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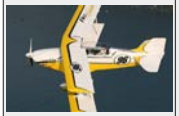
Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
F1 Aircraft / F1 Rocket	**SR002** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles	2x master cylinders Brake lines/fittings		standard red or black color		SensAIR® Parking brake ALIR regulator	
Falcomposite / Furio	**SFU01** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles	4x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**SFU01A** wheel 4.00-5" *tire 11x4.00-5" Axle	other colors option		SensAIR®	
Falco / F8L Axle ø 30	**SFA02** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles	2x master cylinders Reservoirs Brake lines/fittings	**SFA01A** wheel 4.00-5" *tire 11x4.00-5" Axle			SensAIR® Co-pilot brakes ALIR regulator Parking brake	See drawings following page
Falco / F8L Axle ø 31.75	**SFA01** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles	2x master cylinders Reservoirs Brake lines/fittings	**SFA01A** wheel 4.00-5" *tire 11x4.00-5" Axle			SensAIR® Co-pilot brakes ALIR regulator Parking brake	See drawings following page

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Fantasy Air / Allegro	**SAL01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	Ask us, options available	standard red or black color other colors option	Shock Wheel	SensAIR® Co-pilot brakes 6.00-6" wheels	
Fieseler / Storch	**SST01** OEM axle 1" 25.4mm Wheels 4.00-6" Calipers/discs/pads Axles					SensAIR®	
FK Aircraft / FK9 Mark III-IV-V-VI ELA	**SFK01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Levier Reservoir Limiter Brake lines/fittings	SFK01A Wheel 4.00-4" * tire 4.00-4" Axle		Shock Wheel SPEED'AIR fairings	SensAIR® Parking brake	The brake lever is special one for FK9
	SFK04 Wheels 3.50-4" Calipers/discs/pads Axles	1x master cylinder Levier Reservoir Brake lines/fittings	SFK01A Wheel 4.00-4" * tire 4.00-4" Axle				
FK Aircraft / FK12 	**SFK03** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Levier Reservoir Limiter Brake lines/fittings			Shock Wheel SPEED'AIR fairings	SensAIR® Parking brake Rudder pedal brakes (co-pilot brakes available)	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Flight Design LiftAir / CTSW 2007	**SFD01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles+brackets Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings	**SFD01A** wheel 4.00-6" *tire 4.00-6" axle	standard red or black color other colors option	Shock Wheel ask us	SensAIR® Parking brake	
Flight Design LiftAir / CTLS	**SFD02** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles+brackets Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings	**AV-FDES-0301** wheel 4.00-6" *tire 4.00-6" axle				
Fly Synthesis / Storch	**SFS01** Wheels 4.00-6" *tires 13x5.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Levier Reservoir Limiter Brake lines/fittings	**AV-FLIG-031** Wheel 3.50-4" *tire 4.00-4" - Axle 6" wheel kit Wheel 4.00-6" *tire 6.00-6" - Axle			SensAIR®	Tell us if original brakes are drum brakes
Fly Synthesis / Texan	**SFS02** fixed LG Wheels 4.00-6" *tires 13x5.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Levier Reservoir Limiter Brake lines/fittings				SensAIR®	
Flying Machine Vampire Century	**SVA01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**SVA01A** wheel 4.00-6" *tire 4.00-6" axle			SensAIR® Co-pilot brake	Drilling of the spring leaf must be validated

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel Color	Landing Gear (optional)	Accessories (order separately)	Notes
FlyLight/ Nynja Swift Skyranger 	**SSK01** Roues 4.00-6" *pneus 4.00-6" ou bush tires Calipers/discs/pads Axles+brackets Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings Parking brake	**SSK01A** Wheel 4.00-6" *tire 4.00-6" Axle		Shock wheel B'FleX 	SensAIR® Wheel 8" pour tires DURO 21" or 27.5" 	For Zicral landing gear please use SSK03
	SSK06 Wheel 6.00-6" *tire 22x8.50-6" Calipers/discs/pads Axles+brackets Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings Parking brake	**SSK02A** Large Fork Wheel 6.00-6" *tire 6.00-6" Special axle				
	SSK04 Wheel 4.00-4" Calipers/discs/pads Axles+brackets Calipers/discs/pads Axles+brackets Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings Parking brake	Kit nose wheel 4" Wheel 3.50-4" *tire 4.00-4" Special axle				

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Fournier/ RF3	**SRF01** Ultralight Wheel 4.00-6" *tire 4.00-6" Caliper/disc/pads Axle	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings		standard red or black color other colors option		SensAIR®	Kit non certified
Fournier/ RF3-RF4	**SRF03** Certified type Wheel 5.00-5" *tire 5.00-5" Caliper/disc/pads Axle	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings				SensAIR®	Kit available only from Air Projet FR
Fournier/ RF5	**SRF04** Wheel 5.00-5" *tires 380x150-5" Caliper/disc/pads Axle	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings				SensAIR®	Kit non certified
Fournier/ RF9	**SRF05** Wheel 4.00-5" *tires 11x4.00-5" Caliper/disc/pads Axle	1x master cylinder Reservoir Limiter Brake lines/fittings				SensAIR® Parking brake	Kit non certified

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Freccia / Sparviero	**SPR001** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings		standard red or black color other colors option		SensAIR® Co-pilot brakes	
G1 Aviation / G1 SPYL	**SGA01** Wheels 6.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**SGA01A** (large fork) Wheel 4.00-6" *tire 15x6.00-6" Axle or SGA02A (narrow fork) Wheel 4.00-6" * tire 6.00-6" - Axle		Shock Wheel B'FleX LG	SensAIR® Co-pilot brake 8" wheels for DURO 21" /27.5" Aero Classic tires	
GAZ'Aile	**SGZ01** Wheels 4.00-5" *tires 11x4.00-5" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**SGZ01A** Wheel 3.50-4" *tire 4.00-4" - Axle **AV-GAZA-030** Fork 3.94" 100mm Wheel 3.50-4" *tire 4.00-4" - Axle **AV-GAZA-031** Wheel 4.00-5" *tire 11x4.00-5" Axle		Ask us, options available	SensAIR® Co-pilot brakes	4" and 6" wheels also available
Genevation / Genev 01	**SGE01** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings				SensAIR® Co-pilot brakes Parking brake	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Glasair Aviation / Glasair III RLG	**SGL02** Wheel 5.00-5" *tire 5.00-5" Caliper/disc/pads Axle	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**SGL01A** Wheel 4.00-5" *tire 11x4.00-5" Axle	standard red or black color		SensAIR® Co-pilot	Kit non certified
Glasair Aviation / Sportsman	**SGL03** Wheels 6.00-6" *tires 6.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittingss		other colors option		SensAIR®	Kit non certified
Glastar SG1	**SGL04** Wheels 4.00-6" *tires 4.00-5" Calipers/discs/pads Axles - Wheel caps						

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Glasflügel/ Libelle H201	**SHP01** Wheel 4.00-5" *tire 11x4.00-5" Caliper/disc/pads Axle	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings		standard red or black color other colors option		SensAIR®	Kit non certified
Henri Nicollier Menestrel	**SMES01** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**AV-MENES-630** (GLR tailwheel) Wheel 3.50-4" *tire 2.80/2.50-4" Tailwheel support Levier to lock/unlock			SensAIR® Parking brake Rudd'AIR pedals	
HPH/ HPH 304S	**SHP01** Wheel 5.00-5" *tire 5.00-5" Caliper/disc/pads Axle	1x master cylinder Reservoir Limiter Brake lines/fittings				SensAIR®	
Humbert Aviation / Tetras Tetras new LG	**STE01** Wheels 6.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles - Wheel caps **STE03** Wheels 6.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles - Wheel caps **STE03**	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**AV-HUM-030** Wheel 3.50-4 Axle		Shock Wheel	SensAIR® Parking brake Co-pilot brake Differentiel brakes on rudder in addition, hand actuated	8" wheels for DURO 21" and 27.5" tires also available Datum skis mounting : order **STE02** kit with special axles
Ibis Aircraft / Ibis			**AV-IBIS-030** Wheel 4.00-6" * tire 15x6.00-6" Axle			SensAIR®	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
ICP / Savannah ICP / Savannah Twin Taildragger / SR 	**SSV01** Tires <26" Wheels 6.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles - Wheel caps **SSV01** Tires <26" Wheels 6.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinder Reservoir Parking brake Limiter Brake lines/fittings 2x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**SSV01A** fork 210mm **SSV02A** fork 156mm **AV-SVNA-032** fork 146mm Wheel 4.00-6" - Axle *tire 15x6.00-6" or 4.00-6" **AV-SVNA-620/630** GLR Wheel 3.50-4" *tire : 2 sizes Hand lever	standard red or black color Others colors 	Shock Wheel B'Flex LG SSV06 Train classique ALG + kit fuselage	SensAIR® Co-pilot brake Parking brake Special axles for DATUM	
ICP / Savannah / SR / Hand brake	**SSV02** Tires <26" Wheel 6.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**SSV01A** (fork 210mm) Wheel 4.00-6" *tires 15x6.00-6" Axle		Shock Wheel B'Flex LG **TL-006.200** for SR 	SensAIR® Lever Yankee 	
ICP / Savannah / SR / DUAL 	**SSV03** Tires >26" Wheels 6.00-6" *tires 15x6.00-6" DUAL Calipers/discs/ pads Axles - Wheel caps	2x master cylinder Reservoir Parking brake Anti Skid Brake lines/fittings	**SSV01A** (fork 210mm) Wheel 4.00-6" *Tire 15x6.00-6" Axle			SensAIR® Co-pilot Parking brake 	
ICP / Ventura LSA 	**SSV12** Wheels 6.00-6" *tires 6.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinder Reservoir Parking brake Anti-skid Brake lines/fittings	**SSV01A** 6" wheel 4.00-6" *tire 15x6.00-6" Axle **AV-SVNA-430** 5" Wheel 5.00-5" *tire 5.00-5" - Axle		**SSV10** Kit + ALG 6'' **SSV11** Kit + ALG 6''	SensAIR® Co-pilot brake Parking brake 	

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
ICP / Savannah/ SR	**SSV016** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinder Reservoir Parking brake Limiter Brake lines/fittings		standard red or black color other colors option			
ICP / Savannah /SR	**SSV017** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings			Shock Wheel B'Flex LG **TL-006.200** for SR		
Jabiru Aircraft/ Jabiru 170	**SJU03** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings				SensAIR®	
Jabiru Aircraft/ Jabiru 400/430	**SJU01** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles - Wheel caps **SJU05** Wheels 6.00-6" *tires 6.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings					LG leg must be drilled for a fifth hole

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
JC Léger / Pataplume	**SPA01** Wheels 4.00-6" *tires 6.00-6" Calipers/discs/pads Axles Wheel caps	Contact us		standard red or black color		SensAIR® Parking brake	
JMB Aircraft / VL3	**SVK01** Wheels 4.00-6" *tires 6.00-6" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**SVK01A** (fork 210mm) Wheel 3.50-4 *tire 4.00-4 Axle	other colors option	Shock Wheel SPEED'AIR fairings	SensAIR® Co-pilot brakes Parking brake	
Jodel / D20 ULM	SJD01 Wheels 4.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**TW-001** (GLR tailwheel) Wheel 3.50-4" *tire 2.80/2.50-4" Tailwheel support Levier to lock/unlock			SensAIR® Co-pilot brakes Parking brake	-The wheel axle fitting requires to weld a T1 bracket -GLR TW may need some modification
Jodel / Jodel 1.97" axle (50mm)	**SJD03** 6" wheels without fairings **SJD05** 6" wheels with fairings Wheels 6.00-6" - *tires 6.00-6" Calipers/discs/pads Axles/spacers to weld Brake controls : ask us		**TW-001** (GLR tailwheel) Ask us, options available			SensAIR® Datum skis mounting special parts	
	SJD04 5" wheels with fairings Wheels 5.00-5" - *tires 5.00-5" Calipers/discs/pads Axles/spacers to weld Brake controls : ask us					SensAIR®	

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Jodel / D112	**SJD06** Wheels 4.00-6" - *tires 4.00-6" Calipers/discs/pads Axles	Brake controls/Reser-voirs/PKG : ask us	**TW-001** (GLR tailwheel) Ask us, options available	standard red or black color other colors option		SensAIR®	
Jodel / D140 Mousquetaire	**SJD02** Wheels 6.00-6" - *tires on demand Calipers/discs/pads Axle parts to weld Brake controls : ask us	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**TW-001** (GLR tailwheel) Ask us, options available			SensAIR® Parking brake	Other Jodel types : ask us
Joker / J300	**SJ001** Wheels 6.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**TW-001** (GLR tailwheel) Wheel 3.50-4" *tire 2.80/2.50-4" Tailwheel support Levier to lock/unlock		ALG gear + fuselage kit	SensAIR® Co-pilot brake	Installing the GLR TW may require some modification
Jonker / JS1	**JON02** Wheel 5.00-5" *tire 5.00-5" Caliper/disc/pads Axle **JON03** Wheel 5.00-5" *tire 5.00-5" Caliper/disc/pads Axle	Limiter Brake lines/fittings Brake on the control stick (for disabled pilot)				SensAIR®	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Just Aircraft / Highlander	**SSJ01** Original landing gear **SSJ02** ALG Wheels 6.00-6" Brake discs/pads DUAL brakes if tires >29" Axles Wheel Caps	4x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	standard red or black color	SSJ02 ALG	SensAIR® Parking brake	Wheels 8" for DURO 21" /27.5" Co-pilot included
Just Aircraft / Superstol XL	**SSJ01** Wheels 6.00-6" Calipers DUAL Brake discs/pads Axles Wheel Caps	4x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	other colors option		SensAIR® Parking brake	Co-pilot included
	SSJ03 Wheel 7.00-8" Calipers DUAL Brake discs/pads Axles Wheel Caps	4x master cylinders Reservoirs ALIR Regulator Brake lines/fittings				

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Marque / Modèle	Wheel/Brake package P/N	Brake controls (included)	Roulette AV/AR P/N (option)	Wheel color	Train d'atterr. (option)	Accessoires (commander à part)	Remarques
Kitfox Aircraft / Kitfox Shock Monster	**SKT01** Wheel 6.00-6" Calipers DUAL Brake discs/pads Axles - Wheel Caps	4x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**TW-001** (GLR tailwheel) Wheel 3.50-4" *tire 2.80/2.50-4" Tailwheel support Levier to lock/unlock	standard red or black color other colors option		SensAIR® Parking brake	Installing the GLR tailwheel may require modifications.
	SKT04 Wheel 8.00-6" Calipers DUAL Brake discs/pads Axles - Wheel Caps	4x master cylinders Reservoirs ALIR Regulator Brake lines/fittings					
Kitfox Aircraft / Kitfox Spring gear	**SKT02** Wheel 6.00-6" Calipers DUAL Brake discs/pads Axles - Wheel Caps	4x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**TW-001** (GLR tailwheel) Wheel 3.50-4" *tire 2.80/2.50-4" Tailwheel support Levier to lock/unlock		Shock Wheel	SensAIR® Parking brake	Installing the GLR tailwheel may require modifications.
	SKT03 Wheel 4.00-6" Calipers DUAL Brake discs/pads Axles - Wheel Caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings					The brake master cylinders must be approved.
	SKT06 Wheel 8.00-6" Calipers DUAL Brake discs/pads Axles - Wheel Caps	4x master cylinders Reservoirs ALIR Regulator Brake lines/fittings					Installing the GLR tailwheel may require modifications.
Kitfox Aircraft / Kitfox 7SS	**SKT05** Wheel 4.00-5" *tires 11x4.00-5" Calipers DUAL Brake discs/pads Axles Wheel Caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**AV-KIT-730** Roue 3.50-4" Axle The fork dimensions must be approved.			SensAIR® Parking brake	The brake master cylinders must be approved.

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Lambert/ Mission 106	**SLA04** Wheels 6.00-6" *tires 22x8.50-6" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR regulator Brake lines/fittings		standard red or black color other colors option		SensAIR® Parking brake Co-pilot brakes	

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Accessories (order separately)	Notes
Lancair / Lancair 320/360 RLG	**SLC02** Wheels 4.00-5" *tires 11x4.00-5" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR regulator Brake lines/fittings	**SLC01A** Wheel 4.00.5" *tires 11x4.00-5" Axles / special parts	standard red or black color other colors option	SensAIR® Co-pilot Parking brake	First model, please contact us
	SLC08 Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR regulator Brake lines/fittings	**SLC01A** Wheel 4.00.5" *tires 11x4.00-5" Axles / special parts			
Lancair / Lancair Legacy Barracuda	**SLC01** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR regulator Brake lines/fittings	**SLC01A** Wheel 5.00.5" *tires 5.00-5" Axles / special parts		SensAIR® Co-pilot Parking brake	Nose wheel fork 5.5" (139.7mm)
Lancair / Lancair IV	**SLC06** Wheels 6.00-6" *tires 6.00-6" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR regulator Brake lines/fittings	**SLC06A** Wheel 5.00.5" *tires 5.00-5" Axles / special parts		SensAIR® Co-pilot Parking brake	Nose wheel fork 5.5" (139.7mm)
Lancair / Calima T90			**AV-LANC-430** Wheel 4.00.5" Axle		SensAIR®	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

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Aircraft Make/Model	Wheel/Brake package P/N	Brake controls (included)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Lockwood / Aircam	**SARC01** Wheel 6.00-6" Calipers/discs/pads Axles	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	standard red or black color other colors option		SensAIR®	
M&M /Swift S1	**SWI02** Wheel 4.00-5" *tire 336x115-5" Caliper/disc/pads Axle - Wheel caps	1x lever+master cylinder Reservoir Limiter Brake lines/fittings			SensAIR®	Non certified kit

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Magni Gyro / M16-22 M24	**SMG01** M16-22 **SMG04** M24 Wheel 4.00-6" *tire 4.00-6" Caliper/disc/pads Axle - Wheel caps	1x lever+master cylinder Reservoir Limiter Brake lines/fittings	**SMG01A** fourche 123mm **SMG02A** fourche 143mm Roue 3.50-4" *pneu 4.00-4" Axle	standard red or black color other colors option	-Shock Wheel -SPEED'AIR fairings	SensAIR® Limiter Wheel kit 6" **SMG03** M16-22 **SMG06** M24	With the Shock Wheel on the main landing gear, the nose wheel kit must be **SMG03**, and the wheel fairing must be trimmed (template provided).
M16-22 Tundra M24 Tundra	**SMG02** M16-22 **SMG05** M24 Wheel 4.00-6" *tires 6.00-6" Caliper/disc/pads Axle - Wheel caps	1x lever+master cylinder Reservoir Limiter Brake lines/fittings	**SMG03A** Wheel 4.00-6" *tire 4.00-6" Axle			SensAIR® Limiter	

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Marcel Jurca Aviation / Sirocco MJ5	**SSI01** Wheels 6.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles+support to weld	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings		standard red or black color other colors option		SensAIR®	
Max Plan/ Busard MP207	**SBU01** Wheels 5.00-5" *tires 336x115-5" Calipers/discs/pads Axles	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings			Shock Wheel SPEED'AIR fairings	SensAIR® Parking brake	
Mudry / Cap 231	**SMU03** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings				SensAIR® Co-pilot brakes	
Murphy / Rebel Maverick	**SMU01** **SMU 02** Wheels 6.00-6" Calipers/discs/pads Axles - Wheel caps	Ask us, options available			ALG landing gear	SensAIR®	
MX Aircraft / MXS	**SMX01** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs Brake lines/fittings				SensAIR® Parking brake	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Nando Groppo Trail /G70	**SNG01** Wheels 6.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**TW-001** (GLR tailwheel) Wheel 3.50-4" *tire 2.80/2.50-4" Tailwheel support Levier to lock/unlock	standard red or black color other colors option	Shock Wheel ALG gear + fuselage kit	SensAIR® Parking brake	-Bigger main wheel tires are availbale. In that case, the GLR tailwheel kit must be AV-GROP-630 (4.00-4" tire) -> Leaf must be changed and some adaptation is required
	SNG03 Wheels 6.00-8" *tires DURO 21" or 27.5" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**AV-GROP-620** (GLR tailwheel) Wheel 3.50-4" *tire 2.80/2.50-4" Tailwheel support Levier to lock/unlock				
Neukom / Elfe S4	5" wheel kit Wheel 5.00-5" *tire 380x150-5" Caliper/disc/pads Special parts axle	1x master cylinder Reservoir Brake lines/fittings				SensAIR®	
Norécrin / Nord 1200/1201 1202/1203	**SNR01** Wheels 6.00-6" *tires 6.00-6" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**AV-NORD-030** Wheel 5.00-5" *tire 5.00-5" Axle			SensAIR® Parking brake	Non certified kit

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Norman Aviation / Karatoo	**SKA01** Wheels 6.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings		standard red or black color		SensAIR® Co-pilot brakes Parking brake	
Pietenpol	**2x AV-PIET-020** - 5.00-5" vintage spoke wheels - *tires 3.50-19" vintage style/tubes Calipers/discs/pads Axles on demand Wheel caps	Optional : 2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings		other colors option			Aluminum wheel / stainless steel spokes
Pipistrel / Alpha Trainer Velis Electro	**SPP02** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Levier Reservoir Limiter Brake lines/fittings	**SPP01A** Wheel 3.50-4" *tire 4.00-4" Axle		Shock Wheel SPEED'AIR fairings	SensAIR® Parking brake	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

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Marque / Modèle	Wheel/Brake package P/N	Brake controls (included)	Roulette AV/AR P/N (option)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Pipistrel / Sinus-Virus	**SPP01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**SPP01A** Wheel 3.50-4" * tire 4.00-4" - Axle **AV-PIP-631** Fork 130mm Wheel 3.50-4" *tire 4.00-4" - Axle **AV-PIP-930** Fork 113mm Wheel 3.50-4" *tire 4.00-4" - Axle Tail wheel kit : **JC-01** Wheel/tire 200x50 Dedicated spacers			SensAIR® Co-pilot Parking Brake 	Thank you for providing the front fork dimensions.
	SPP05 Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs Limiter Brake lines/fittings					

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Pitts S1	**SPT02** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs Brake lines/fittings		standard red or black color other colors option		SensAIR® Parking brake ALIR regulator	
Pitts S2 Kristen Eagle	**SPS01** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings				SensAIR® Parking brake Co-pilot brakes	
Platzer / Kiebitz	**SKI01** Wheels 4.00-6" *tires 21x8.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings				SensAIR® Co-pilot brake	**SKI04** Wheel kit Kiebitz Ø24
Quercy	**SQU01** Wheels 4.00-6" *tires 15.6.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**AV-QUE-030** Wheel 3.50-4" *tire 4.00-4" Axle			SensAIR® Co-pilot brakes Parking brake Rudd'AIR pedals	
Rand Robinson KR2	**SKR01** Wheels 3.50-4" *tires 4.00-4" Calipers/discs/pads Axles - Wheel caps	Brake controls : ask us				SensAIR®	

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Rans / Coyote S6 Recent type	**SRA02** Wheels 6.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs Regulator Brake lines/fittings	**AV-RANS-030** fork 3.87"/97.6mm Wheel 4.00-6" * tire - Axle OEM axle screwed **AV-RANS-031** fork 6.14"/156mm Wheel 4.00-6" * tire - Axle **TW-002** (GLR tailwheel) Wheel 3.50-4" *tire 4.00-4" Tailwheel support Levier to lock/unlock	standard red or black color other colors option	Shock Wheel SPEED'AIR fairings	SensAIR® Co-pilot brakes except S7 Parking brake	GLR groundloop re-sistant tailwheel installation may require some modifications. - A GLR type with smaller wheel is also available with tire 2.80/2.50-4"
	SRA04 DUAL Wheels 6.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs Regulator Brake lines/fittings					
	SRA05 Wheels 7.00-8" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs Regulator Brake lines/fittings					
Rans / Coyote S6 1st type	**SRA01** axle 0.83" Wheels 6.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs Regulator Brake lines/fittings			**SRA06** Shock Wheel	SensAIR® Co-pilot brakes Parking brake	
Rans / S19	**SRA03** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs Regulator Brake lines/fittings				SensAIR® Co-pilot brakes Parking brake	
Rans / S21	**SRA07** Wheels 6.00-6" *tires 6.00-6" Calipers/discs/pads Axles - Wheel caps	ask us Brake lines/fittings			**SRA06** Shock Whell	SensAIR®	

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Roko Airplanes Roko NG4 	**SMS01** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	Ask us, options available	standard red or black color 		SensAIR® Co-pilot brakes Parking brake 	5" main wheels available
Rotor Flight Dynamics / Dominator 	**SD002** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	Ask us, options available	other colors option 		SensAIR® 	
Rutan / Cozy Mark IV 	**SLC05** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps	2x master cylinders Extenders Reservoirs ALIR Regulator Brake lines/fittings	**AV-COZ-030** Fork 5.12" Wheel 3.50-4" *tire 2.80/2.50-4" Axle	 		SensAIR® Co-pilot brakes Parking brake 	
Rutan / Dragon Fly 	**SDF01** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs Brake lines/fittings	**SDR01A** Wheel 3.50-4" *tire 10x3.50-4" Axle			SensAIR® Co-pilot brakes Parking brake ALIR Regulator 	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Rutan / Long'Ez	**SLE01** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	SLE01A Wheel 3.50-4" *tire 2.80/2.50-4" Axle	standard red or black color		SensAIR® Co-pilot brakes Parking brake	
Rutan / VariEze	**SLE02** Wheels 4.00-5" *tires 11x4.00-5" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	Ask us, options available	other colors option		SensAIR® Co-pilot brakes Parking brake	
Schleicher / ASW17/ASW22	Wheel 5.00-5" *tire 5.00-5" Caliper/disc/pads Axle	1x master cylinder Reservoir Limiter Brake lines/fittings				SensAIR®	Wheel spacer to be made by yourself
Seamax / M22	**SSEA01** Wheels 4.00-5" *tires 11x4.00-5" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs Brake lines/fittings				SensAIR® Parking brake	Wheels have stainless steel bearings

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Skyleader 150/200	**SSL01** Wheels 4.00-5" *tires 11x4.00-5" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**SSL01A** Wheel 3.50-4" *tire 4.00-4" Axle	standard red or black color other colors option		SensAIR® Rudder co-pilot brakes	SL400 : ask us
SkyReach / Cheetah XLS	**SCX01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles/Parts Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	Ask us, options available			SensAIR® Co-pilot brake	
Spacek / SD2	**SPAC01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Levier Reservoir Limiter Brake lines/fittings	**SPAC01A** Wheel 3.50-4" *tire 4.00-4" Axle			SensAIR® Parking brake	
Team Aircraft / Airbike	**SAB01** Wheels 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings				SensAIR®	
	SAB02 Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings					

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)
Tecnam / P2002	**STP05** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps **STP013** Rudder Conf.	1x master cylinder Extender Reservoir Limiter Brake lines/fittings	**STP02A** Wheel 4.00-6" *tire 4.00-6" Axle	standard red or black color other colors option		SensAIR®
Tecnam / P2008	**STP02** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps	1x master cylinder Brake lines/fittings	**STP02A** Wheel 4.00-6" - *tire 4.00-6"- Axle **AV-TEC-231** fork 5.06" 128.5mm Wheel 4.00-6" - * tire 6.00-6" Axle **AV-TEC-232** fork 5.41" 137.5mm Wheel 4.00-6" - *tire 4.00-6" Axle			SensAIR®
Tecnam / P92	**STP01** school use Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings	**STP03A** Wheel 4.00-6" - *tire 4.00-6"- Axle **AV-TEC-232** fork 5.41" 137.5mm Wheel 4.00-6" - *tire 4.00-6" -Axle **AV-TEC-630** fork 5.41" 137.5mm Wheel 3.50-4" - *tire 4.00-4" -Axle		Shock Wheel SPEED'AIR fairings	SensAIR®
	STP03 private use Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings				
Tecnam / P96	**STP04** Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Limiter Brake lines/fittings	**STP04A** Wheel 5.00-5" - *tire 5.00-5"- Axle		Shock Wheel SPEED'AIR fairings	SensAIR®

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)
TL Ultralight / Condor TL-232	**SLC05** Wheels 6.00-6" *tires 6.00-6" Calipers/discs/pads Axles	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings		standard red or black color other colors option		SensAIR®
TL Ultralight / Sting Carbon	**SSC01** Wheels 4.00-5" *tires 11x4.00-5" Calipers/discs/pads Axles/Parts - fairings	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**AV-STING-033** fork 5.16" 131mm 1x wheel 3.50-4" * tire 4.00-4" - Axle **AV-STING-032** fork 5.71" 145mm Wheel 3.50-4" - Axle		Shock Wheel dimensions and drawing of the spring leaves must be checked	SensAIR® Co-pilot brakes Parking brake
	SSC10 Wheels 4.00-6" Calipers/discs/pads Axles/Parts - Wheel caps					
	SSC03 **SSC04** leaf gear 36mm Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles/Parts - Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings				
Sting carbon Leaf gear special drilling	**SSC05** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**AV-STING-031** 1x wheel 4.00-6 * tire 4.00-6" 1x axle			SensAIR® Co-pilot brakes Parking brake
Sting carbon Leaf gear 31mm + fairings	**SSC06** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads - Axles	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**AV-STING-031** 1x wheel 4.00-6 * tire 4.00-6" 1x axle			SensAIR® Co-pilot brakes Parking brake
TL3000-Sirius	**SSC07** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads - Axles	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings	**AV-STING-031** 1x wheel 4.00-6 * tire 4.00-6" 1x axle			SensAIR® Co-pilot brakes Parking brake

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
TLAC / Sherwood Ranger	**SSH01** Wheels 4.00-6" *tires 21x8.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings		standard red or black color other colors option		-SensAIR® -Co-pilot brake	
UAB / Lak 17B	**SLA02** Wheel 5.00-5" *tire 336x115x5" Caliper/disc/pads Axle	1x master cylinder Reservoir Limiter Brake lines/fittings				-SensAIR®	
UAB / Mini Lak	**SLA03** Wheel 3.50-4" *tire 4.00-4" Caliper/disc/pads Axle	1x master cylinder Reservoir Limiter Brake lines/fittings				-SensAIR®	
Ulbi/ Wild Thing	**SWT01** Wheels 6.00-6" *tires 15X6.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**TW-002** GLR tailwheel Wheel 3.50-4" * tire 4.00-4" Tailwheel support Levier to lock/unlock		**SWT03** ALG landing gear	-SensAIR® -Co-pilot brakes	Other tires available

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Ultralight Concept / Stampe SV4	**STA01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	**AV-STAMP-030** Wheel 200-500 *tire 200x50 (tire +tube) Special parts **GLR** groundloop resistant TW : ask us	standard red or black color other colors option	ALG landing gear	SensAIR® Co-pilot brake	
	STA03 Wheels 7.00-8" *tires 21" or 27.5" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings					
	STA04 Wheels 6.00-6" *tires 22x8.50-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings			**ALG** landing gear (requires modification on the fuselage)		
Ultravia / Pelican	**SPE01** Wheels 6.00-6" Calipers/discs/pads Axles Wheel caps	2x master cylinders Reservoirs ALIR Regulator Brake lines/fittings				SensAIR® Co-pilot brakes Parking brake	Several types of tires available
Urban Air / Samba XXL	**SBA01** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings				SensAIR® Co-pilot brake	

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

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Aircraft Make/Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color
Van's /RV3	**SRVC003** Roues 5.00-5" *pneus 11x4.00-5" Etriers/disques/plaquettes Axes	2x master cylinders Reservoirs ALIR Regulator Brake lines / fittings		standard red or black color
RV4/6/7/8/9/10/12/14 A model included	Notes : To obtain a complete wheels and brakes kit (including brake controls on the rudder pedals), it is necessary to order one fuselage kit + one finishing kit. Each fuselage kit offered includes different options, as described below. RV14: It is possible to order pre-assembled brake hoses.			other colors option
	Accessories (order separately)			
	SRVFU01 Kit fuselage 2x master cylinder - brake line / fittings			
	SRVFU02 Kit fuselage + copilot 4x master cylinder - brake line / fittings			
	SRVFU03 Kit fuselage+ parking brake 2x master cylinder - brake line / fittings + parking brake			
	SRVFU04 Kit fuselage + copilot + parking brake 4x master cylinder - brake line / fittings + parking brake			
	Wheel/Brake package P/N		**Nose/Tailwheel P/N** (optional)	
RV4/6-6A/7-7A **RV8-8A/9-9A**	**SRVFI02** Wheel/brakes finition kit 2x wheels 5.00-5" - *tires 5.00-5" Calipers/disk/pads - Axles - brake line / fittings		**SRV02A** Nose wheel 4.00-5" *tire 11x4.00-5" - Axle	
RV8 Grove landing gear	**SRVFI03** 5" Wheel/brakes finition kit 2x wheel 5.00-5" - *tire 5.00-5" Calipers/disk/pads - Axles - brake line / fittings		**SRV02A** Nose wheel 4.00-5" *tire 11x4.00-5" - Axle	
	SRVFI09 6" Wheel/brakes finition kit 2x wheel 6.00-6" - *tire 6.00-6" Calipers/disk/pads - Axles - brake line / fittings			

** Tires are optional and not part of the standard kits*

Marque / Modèle	Wheel/Brake package P/N	Nose/Tailwheel P/N (optional)	Roues couleur
Van's / RV10	**SRVFI05** Finition kit wheel and brakes 2x wheel 6.00-6" - * tire 15x6.00-6" Calipers/disk/pads - Axles - brake line / fittings	**SRVFI01** Nose wheel 5.00-5" *tire 5.00-5" - Axle	Standard rouge ou noir
Van's / RV14A	**SRVFI04** 5" Finition kit wheel and brakes 2x wheel 5.00-5" - *tire 5.00-5" Calipers/disk/pads - Axles - brake line / fittings	**SRVFI01** Nose wheel 5.00-5" *tire 5.00-5" - Axle	
	SRVFI08 6" Finition kit wheel and brakes 2x wheel 6.00-6" - *tire 6.00-6" Calipers/disk/pads - Axles - brake line / fittings		Option autres couleurs
Van's / RV14	**SRVFI06 5"** Wheel/brakes finition kit 2x wheel 5.00-5" - *tire 5.00-5" Calipers/disk/pads - Axles - brake line / fittings	**SRVFI01** Nose wheel 5.00-5" *tire 5.00-5" - Axle	
	SRVFI07 6" Wheel/brakes finition kit 2x wheel 6.00-6" - *tire 6.00-6" Calipers/disk/pads - Axles - brake line / fittings		
	Accessoires (Need to be order)		
Van's / RV4/6/7/8/9/10/12/14 A Model includeds	**SRVFU06** ALIR Anti-Skid Regulator Kit: Anti-skid regulator – spacer – hoses/fittings – SensAIR®		
	SRVFU07 Parking brake kit : Parking brake - hoses/fittings SensAIR®		

Contacts
Webshop
BERINGER Aero Technology
Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

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New STC available for BEECHCRAFT BE33 - BE35 - G36

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Velocity			**AV-VEL-020** Fork 4.2" 106.68mm Wheel 4.00-5" * tire 11x4.00-5" Axle	standard red or black color other colors option		-SensAIR®	
Velocity XL			**SVE01A** Fork 5.77" 146.5mm Wheel 5.00-5" * tire 5.00-5" Axle			-SensAIR®	
Zenith Aircraft/ CH601	**SZH10** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles/parts Wheel caps	1x Yankee master cylinder (reservoir /parking brake) Limiter Brake lines/fittings	**SZH06A** Wheel 6.00-6" *tire 4.00-6" Axle or AV-ZENI-630 Tail-dragger GLR grounloop resistant TW		-Shock Wheel - SPEED'AIR fairings	-SensAIR® -Pedal brakes (to be checked depending on the airplane type)	
Zenith Aircraft/ 601UL 601XL	**SZH05** or **SZH08** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles/parts Wheel caps		**AV-ZENI-630** Taildragger GLR grounloop resistant TW				
Zenith Aircraft/ CH650B-E-Ei	**SZH06** Wheels 4.00-6" *tires 15x6.00-6" Calipers/discs/pads Axles/parts Wheel caps	1x Yankee master cylinder (reservoir /parking brake)Limiter Brake lines/fittings	**AV-ZENI-130** Fork 5.12" 130mm Wheel 4.00-6" *tire 15X6.00-6" Axle				

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

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Marque / Modèle	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Zenith Aircraft/ 701	**SZH07** Wheels 4.00-6" *tires 4.00-6" Calipers/discs/pads Axles - Wheel caps	1x Yankee master cylinder (reservoir /parking brake) Limiter Brake lines/fittings 	**SZH07A** Roue 6.00-6" *pneu 6.00-6" Axe		Shock Wheel B'FleX 	SensAIR® Freins aux pieds 	
Zenith 750 SD	**SZH12** Wheels 8.00-6" Calipers/discs/pads Axles - Wheel caps						
	SZH750sd Wheels 6.00-6" Calipers/discs/pads Axles - Wheel caps		**AV-ZENI-231**				
ZENAIR 750 Cruzer / Stol	**SZH13** Wheels 6.00-6" Calipers/discs/pads Axles - Wheel caps						
ZENAIR 750 Cruzer / Stol	**SZH14** Wheels 6.00-6" Calipers/discs/pads Axles - Wheel caps						
ZENAIR 750 Cruzer / Stol	**SZH15** Wheels 8.00-6" DUAL Calipers/discs/pads Axles - Wheel caps						

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Zivko / Edge 540	**SED01** Wheel 5.00-5" *tire 5.00-5" Caliper/disc/pads Axle	2x master cylinders Reservoirs ALIR regulator Brake lines/fittings		standard red or black color other colors option		SensAIR®	
Zlin Aircraft / Zlin Z50LX	**SZL01** Wheel 5.00-5" *tire 380*150x5" Caliper/disc/pads Axle		Tailwheel : ask us			SensAIR® Co-pilot brakes Parking brake ALIR regulator	Non certified kit
Zlin Aviation / Savage-Norden <u>original Axle Ø 0.98" 25mm</u>	**SSA01** for tires <29" Wheels 6.00-6" Calipers/discs/pads Axles - Wheel caps **SSA02** for tires >29" Wheels 6.00-6" Freins Etriers DUAL/ discs/pads Axles - Wheel caps **SSA10** Wheels 7.00-8" Calipers/discs/pads Axles - Wheel caps **SSA07** Wheels 7.00-8" Freins DUAL Calipers/discs/pads Axles - Wheel caps		**TW-002** GLR tailwheel Wheel 3.50-4" *tire 4.00-4" Tailwheel support Levier to lock/unlock		**SSA13** ALG landing gear Bobber **SSA12** ALG landing gear Norden **SSA11** ALG landing gear Savage	SensAIR® Co-pilot brakes Parking brake Special axle for DATUM skis	The diameter of the OEM axle must be check

Contacts
Webshop
BERINGER Aero Technology
AEROTEC+ Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

Contacts
Webshop
BERINGER Aero Technology
AEROTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'FleX Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits
They trust us

** Tires are optional and not part of the standard kits*

Aircraft Make/ Model	Roues/Freins kit P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel color	Landing Gear (optional)	Accessories (order separately)	Notes
Zlin Aviation / Savage-Norden **Original Axle** **Ø 0.77" 19.5mm** 	**SSA05** Tires <29" Wheels 6.00-6" DUAL Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR regulator Brake lines/fittings	**TW-002** GLR tailwheel Wheel 3.50-4" *tire 4.00-4" Tailwheel support Levier to lock/unlock 	Standard red or black Option colors 	**SSA11** ALG 	SensAIR® Co-pilot Parking brake Axle for DATUM 	Original axle need to be modified
	SSA06 Tires >29" Wheels 6.00-6" DUAL Calipers/discs/pads Axles - Wheel caps						
	SSA09 8" DUAL Wheels 7.00-8" DUAL Calipers/discs/pads Axles - Wheel caps						
Zlin Aviation / Savage with ALG 	**SSA03** Tires <29" Wheels 6.00-6" Calipers/discs/pads Axles - Wheel caps		**TW-002** GLR tailwheel Wheel 3.50-4" *tire 4.00-4" Tailwheel support Levier to lock/unlock			SensAIR® Co-pilot Parking brake Axle for DATUM 	
	SSA04 Tires >29" 6.00-6" DUAL Calipers/discs/pads Axles - Wheel caps						
	SSA08 8" DUAL Tires >29" Wheels 7.00-8" DUAL Calipers/discs/pads Axles - Wheel caps						

PILATUS
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Zlin Aviation
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TARRAGON
HELIO ALASKA
ALIGN GYRO
ITALIAN FLYING TECHNOLOGY
CUBCRAFTERS
Diamond AIRCRAFT
ICON
BRISTELL
PATRIOT
Humbert Aviation
QUALITY AIRCRAFT SINCE 1948
TECNAM
JMB aircraft
VAN'S AIRCRAFT
TOTAL PERFORMANCE
GROB AIRCRAFT
AEROPRAKT AIRCRAFT
AEROSPOOL
SINCE 1991
AQUILA
CHANG
AROUND THE WORLD IN A SOLAR AIRPLANE
STRATOS AIRCRAFT
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Legend
KFA Kitplanes for Africa
Shark
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We thank D. Delemarle for the photos

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BERINGER AERO provides specialized technical support for aircraft braking and wheel systems.

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