



2025

Wheels - Brakes - Landing Gear

www.beringer-aero.com



EN V2/2025

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."



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 !"



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."

Kevin Quinn, Carbon Cub STOL Drag Llc

«Having over 8000 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

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 PedalsRegulators
Anti-skid

Parking Valves

Spare Parts

Tools

FAQs

Certified kits/STCs

Exp. Kits

They trust us

Contacts

Webshop

BERINGER Aero
Technology

Amotif® 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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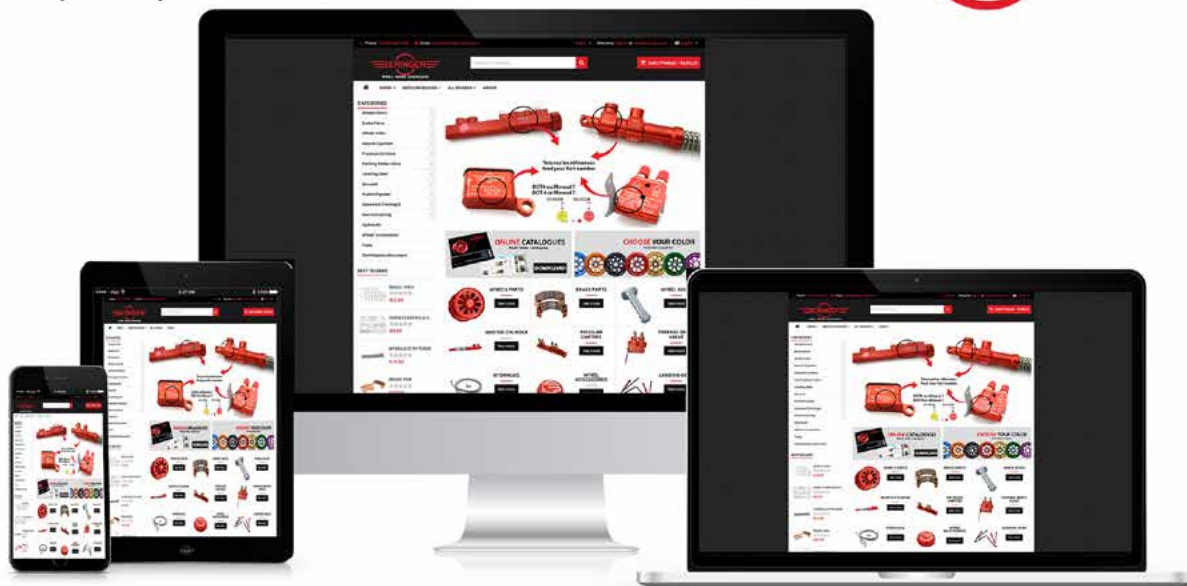
Webshop America : <https://beringeraero.us>

Webshop Europe : <https://shop-beringeraero.com/fr>

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Welcome to the *BERINGER* webshop !
All Spare parts in one click !



> **BERINGERAERO.US**



Contacts

Webshop

BERINGER Aero
Technology

Avioite® 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

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 Impulse'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](#)[AeroTite® 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](#)



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*

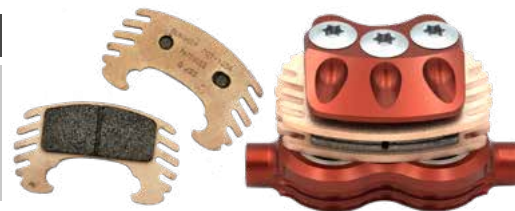
FEATURES



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'leX
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

NEW BRAKE PADS FOR EA-003 FAMILY



Associated brake P/N
EA-003.3N

PRO ELITE
P/N PQT-110.1

Aerotec+ designed for flight school and other intensive use.

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



Associated brake P/N
EA-003.3N

STANDARD
P/N PQT-110.2

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



More info [here](#) or scan QR code



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



STANDARD *Standard brake pads in production. Aerotec+ design for standard use.*
P/N PQT-103

- + **+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 motor-bikes and then brakes, in the same spirit of quality and performance for 30 years. BERINGER won many titles 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+ technology 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](#)
[Aero+ 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

ANOTTO® 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 reliability 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

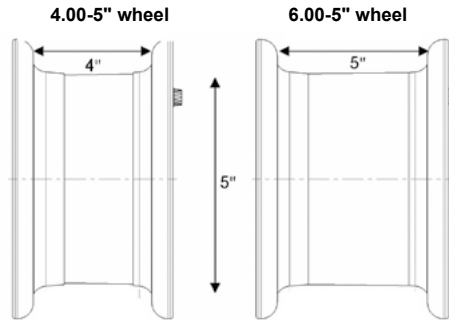
BERINGER makes wheels and braking systems for a wide range of aircraft, from light aircraft up to its now standard STC for the Pilatus PC-6, Cirrus SR20/22 (since 2014), STC for Diamond Aircraft, Cessna 180-182 plus complete kits for many popular aircraft, that include everything for a bolt-on conversion. 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



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

Auotite® 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

AeroTite® 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

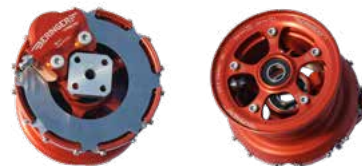
Certified kits/STCs

Exp. Kits

They trust us

Wheel / Brakes 4" diameter

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	Dimension	Ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper (Disc) P/N	Braking torque in.lbs	Max RTO 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

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 BCH-002



Wheel P/N	Dimension	Ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper P/N (Disc included)	Braking torque in.lbs	Max RTO 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	1518 (688)	6820 (3093)	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 Aircraft 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 BCH-002



Wheel P/N	Dimension	Ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper P/N (Disc included)	Braking torque in.lbs	Max RTO 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	Dimension	Ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Caliper P/N (Disc included)	Braking torque in.lbs	Max RTO 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

AeroPatents

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

6" Wheel SL

For Ultralight Aircraft and LSA

Widths available : 4.00 and 6.00 - Ultralight stainless steel floating 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 BCH-002 (6.00-6") or BCH-003 (4.00-6")



Wheel P/N	Dimension	Ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper P/N (Disc included)	Braking torque in.lbs	Max RTO 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 BCH-006



Wheel P/N	Dimension	Ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper P/N (Disc included)	Braking torque in.lbs	Max RTO energy ft/lbs	Brake weight Lbs (Kg)
RF-015.1 C _{STC} 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 C _{TSO}	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)

**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 BCH-004



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	Max RTO energy ft/lbs	Brake weight Lbs (Kg)
RF-006 C _{STC} 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 /	4.14 (1.880)
							EA-004.1 Dual	9800	610000	7.63 (3.460)
							EA-004.2 Dual	9800	610000	7.56 (3.430)
RF-016 C _{STC}	6.00-6"	6"	ø45-ø45	1870 (848)	6545 (2968)	4.81 (2.180)	EA-004.3 Dual	9800	720000	7.65 (3.470)
							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 BCH-004



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	Max RTO energy ft/lbs	Brake weight Lbs (Kg)
RF-017 C _{STC} 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

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 PedalsRegulators
Anti-skid

Parking Valves

Spare Parts

Tools

FAQs

Certified kits/STCs

Exp. Kits

They trust us

Contacts

Webshop

BERINGER Aero
Technology

AeroPatents

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 8" diameter

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



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 BCH-001



Wheel P/N	Dimension	Ø	Bearings (Axle)	Static load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Caliper P/N (Disc included)	Braking torque in.lbs	Max RTO 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-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	12.81(5.812)

Wheel / Brakes 10" diameter

10" Wheel LE Designed for two seater STOL
Brake caliper : 2 pistons - Aerotec® patent / cooling fins
Floating disc
Tires available optionnal : see tire pages
Enjoliveurs de wheel (modèle suivant l'axe)

CTC
TSO


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	Max RTO 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	Max RTO energy ft/lbs	Brake weight Lbs (Kg)
RF-011	24x7.7"	10"	Ø50-Ø35	3080 (1397)	8160 (3701)	14.42 (6.543)	EA-001	16900	623000	11.06 (5.015)
RF-003	11.00-12"	12"	Ø50-Ø35	3080 (1397)	15820 (8160)	20.72 (9.400)	PQT-008 ou PQT-016			

10" Wheel HL

C_{STC}

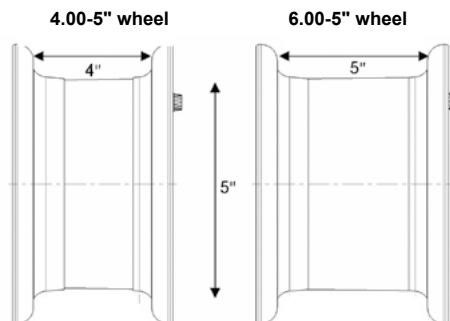
Brake caliper : Dual 4 pistons - Aerotec® patent / cooling fins
Steel floating disc
Wheel cap BCH-001



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	Max RTO energy ft/lbs	Brake weight Lbs (Kg)
RF-029	4.4x10"	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](#)

Nose wheels - Tailwheels - 4" 5" 6" 12.5"Diameter



Conversion Lbs/kg

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

Certification indication



→ [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

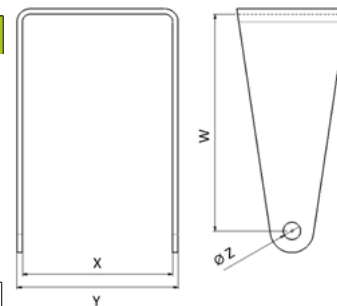
Wheel P/N	Dimension	ø mm	Ball bearings	Static Load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)
RA-004	200X500	200	ø10-ø10	337 (153)	1349 (612)	0.59 (0.268)

**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	Dimension	ø	Ball bearings	Static Load Lbs (Kg)	Limit load Lbs (Kg)	Wheel weight Lbs (Kg)	Axle P/N (fork mounting)	Axle dimensions (standard sizes - Other dimensions 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 Z=80 / Z=12.8 X=89 / Z=6.2



Contacts

Webshop

BERINGER Aero
Technology

Aurore Patents

History/ Values

Wheels/Brakes

Nose-Tailwheels

SensAIR®

Tires

Wheel Axles

Landing Gears
ALG/B'Flex
Shock Wheel

Hoses/Fittings

Brake Controls
Rudd'Air PedalsRegulators
Anti-skid

Parking Valves

Spare Parts

Tools

FAQs

Certified kits/STCS

Exp. Kits

They trust us

Nose wheels / Tailwheels

Contacts

Webshop

BERINGER Aero
Technology

Amotek 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	Dimension	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	5.00-4"	4"	ø30-ø25	1034 (469)	2810 (1274)	2.43 (1.1)	AV-PIL-001	X=135 / Z=12



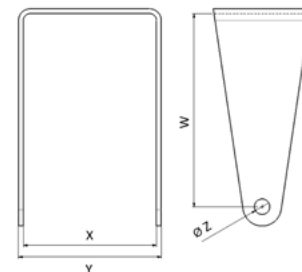
Wheels 5" diameter

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)

Wheel P/N	Certification	Dimension	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-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	Dimension	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



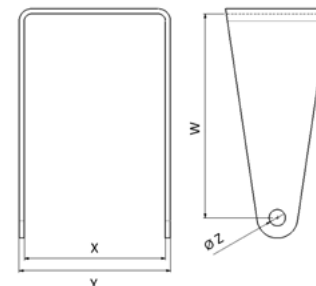
6" Wheel LE Cantilever or fork mounting (see axle pages)
(Axle dimensions in the table)
Tires available optionnal (see tire pages)

Wheel P/N	Dimension	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

C_{STC} 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](#)
[Aurore 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

AeroPatents

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

Crosswind... Are you ready ? Ground-Loop Resistant tailwheel : Safety for taildraggers

Patent
BERINGER AERO

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

Locked : the connection wheel/rudder
is rigid with a freedom of $\pm 20^\circ$
(steering is done with the rudder
pedals)

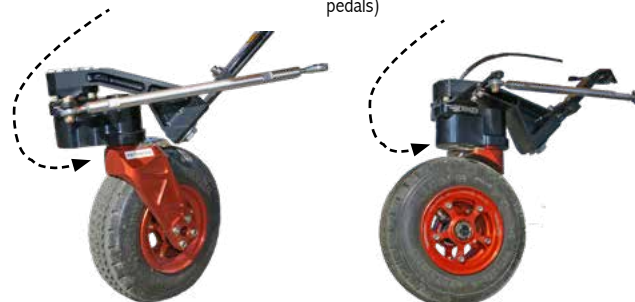
Two-pivot system, locking lever in the cockpit :

- Unlocked : the tailwheel is free castering for parking. Steering is done with the brakes.
- Locked : the tailwheel is locked with a freedom of $\pm 20^\circ$ 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 !



**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 slid 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 !



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

C_{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
- Retrofittable on all BERINGER wheels
- Weight of one assembly for one wheel = 3,3oz

Contacts

Webshop

BERINGER Aero
Technology

Aviation 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

AeroPatents

History/ Values

Wheels/Brakes

Nose-Tailwheels

SensAIR®

Tires

Wheel Axles

Landing Gears
ALG/B' Flex
Shock Wheel

Hoses/Fittings

Brake Controls
Rudd'Air PedalsRegulators
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 shipset
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)

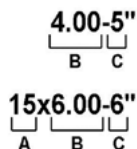
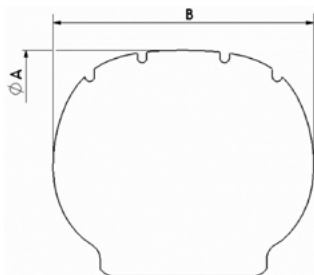
What comes with SensAIR :

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



SensAIR is a registered trademark of BERINGER

Dimension of a tire



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 recommend 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 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
PAG02	Tire 3.00-4" 4PLY Veloce TL	10.30	3.50	-	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
S-317	Tire 11x4.00-5 " 4PLY Deli TL	11.60	3.80	-	2.65	1.20	4.00-5

Contacts

Webshop

BERINGER Aero
Technology

Aucote Patents

History/ Values

Wheels/Brakes

Nose-Tailwheels

SensAIR®

Tires

Wheel Axles

Landing Gears
ALG/B'Flex
Shock Wheel

Hoses/Fittings

Brake Controls
Rudd'Air PedalsRegulators
Anti-skid

Parking Valves

Spare Parts

Tools

FAQs

Certified kits/STCS

Exp. Kits

They trust us

Tires

Contacts								
Webshop								
BERINGER Aero Technology								
AirCote® Patents								
History/ Values								
Wheels/Brakes								
Nose-Tailwheels								
SensAIR®								
Tires	Tire P/N	Description	ø A Inch	Width B Inch	Static load Lbs	Weight Lbs 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" 4PLY 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
	HF237-1	Pneu 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 nut and pin

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 :

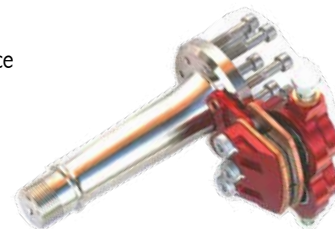
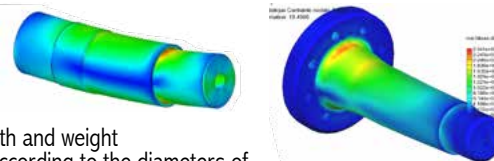
You will find in the following tables :

- 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

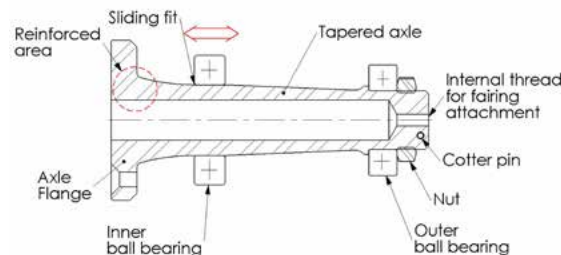
The calipers are delivered fixed to the axles, in accordance with the drilling.

Some axles are mounted with spacers, other not

Do not hesitate to contact us.



Axle spacer



Contacts

Webshop

BERINGER Aero
Technology

Auotite 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 Axles

Contacts									
Webshop									
BERINGER Aero Technology									
AeroPatents									
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 Lbs		Limit load/Axle Kg Lbs		Weight Kg 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	390	859	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											
□ Axle P/N	Wheel □	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](#)
[Aurore 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 Axles

Contacts

Webshop

BERINGER Aero
Technology

Amotte 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

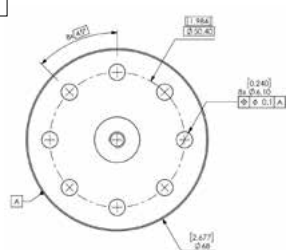
FAQs

Certified kits/STCs

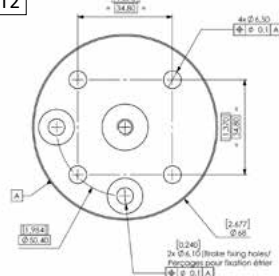
Exp. Kits

They trust us

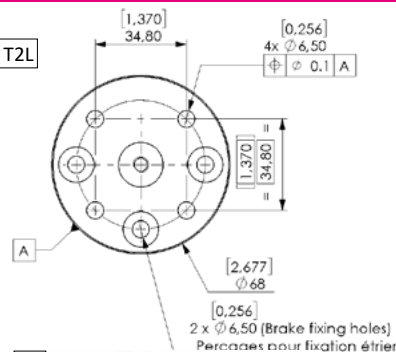
T1



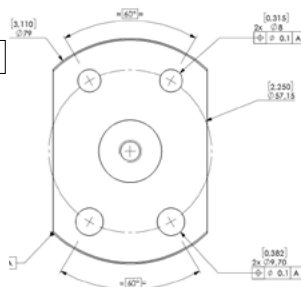
T2



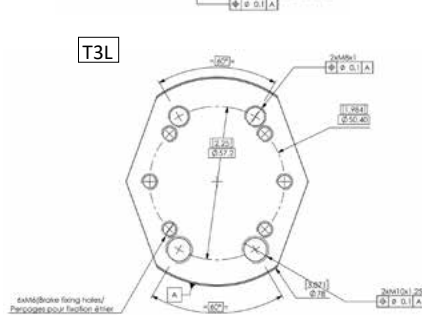
T2L



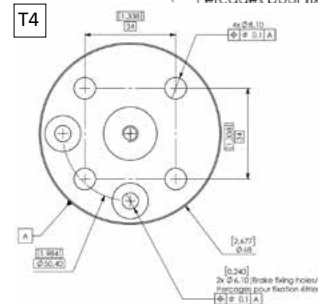
T3



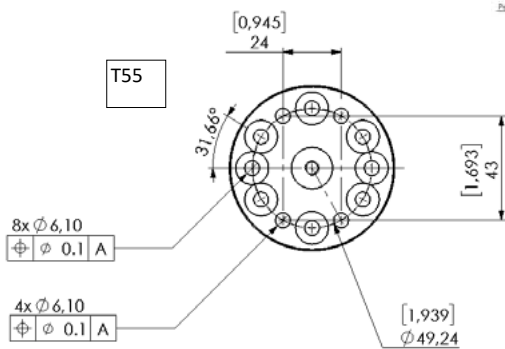
T3L



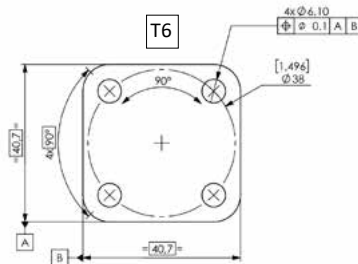
T4



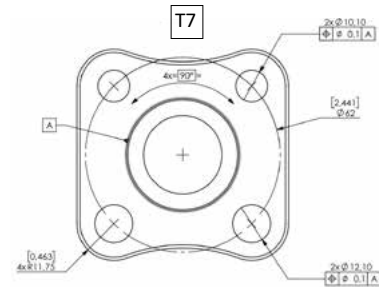
T55



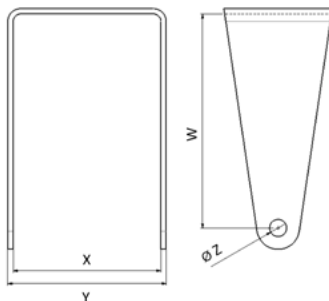
T6



T7



Axles : how to take dimension



← Van's front wheel axle

Correspondance nose wheel axes / 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



Contacts

Webshop

BERINGER Aero
Technology

Aucote 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

AMOTIP® 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

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).

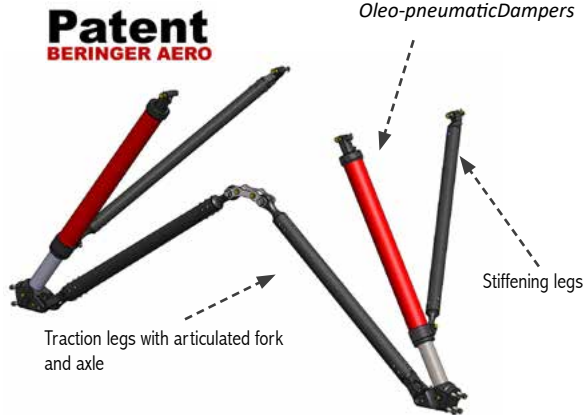
If you do not find your airplane, please contact us.

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

Avio® 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

Amotiv® 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.

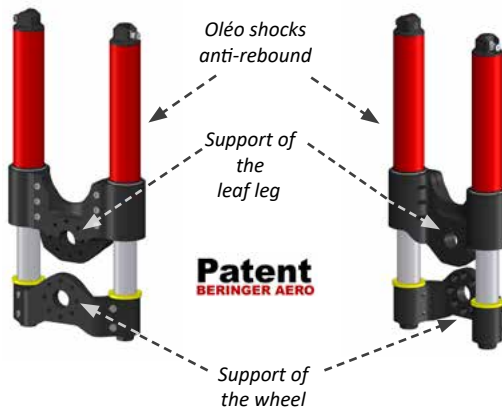
The kit includes for both sides :

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

Technical data :

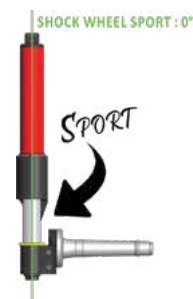
- Light and high strength aluminum (2024)
- 3"/80mm of oleo-pneumatic absorption
- Tested at 3.5G
- Anti-roll system included
- Only fits with BERINGER wheels and brakes

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" OPTION 29" 	NO SPACER NEEDED SPACER ONLY REQUIRED FOR 29"	HOLE PATTERN T2 



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

Autote 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

AMOTIP® 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 LG : preserve your Aircraft

Designed for Aircraft with leaf LG, B'Flex will absorb 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 parasitic movements : from front to back of the LG leg at braking
- + Absorption is better as well as airframe preservation

Technical datas :

- Tested at 1,500 lbs (680 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



Remarks :

Available for LSA, Ultralight / experimental Aircraft, kits ... with tricycle or tail-draggers configuration and with max takeoff weight of 1,500 Lbs (680 kg).

Please refer to the Kit pages (sorted alphabetically).

If your aircraft is not listed, please contact us.

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)



[SPEED'Air on Magni Gyro](#)



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.



[Contacts](#)

[Webshop](#)

[BERINGER Aero Technology](#)

[Aurore 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

Amotek 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

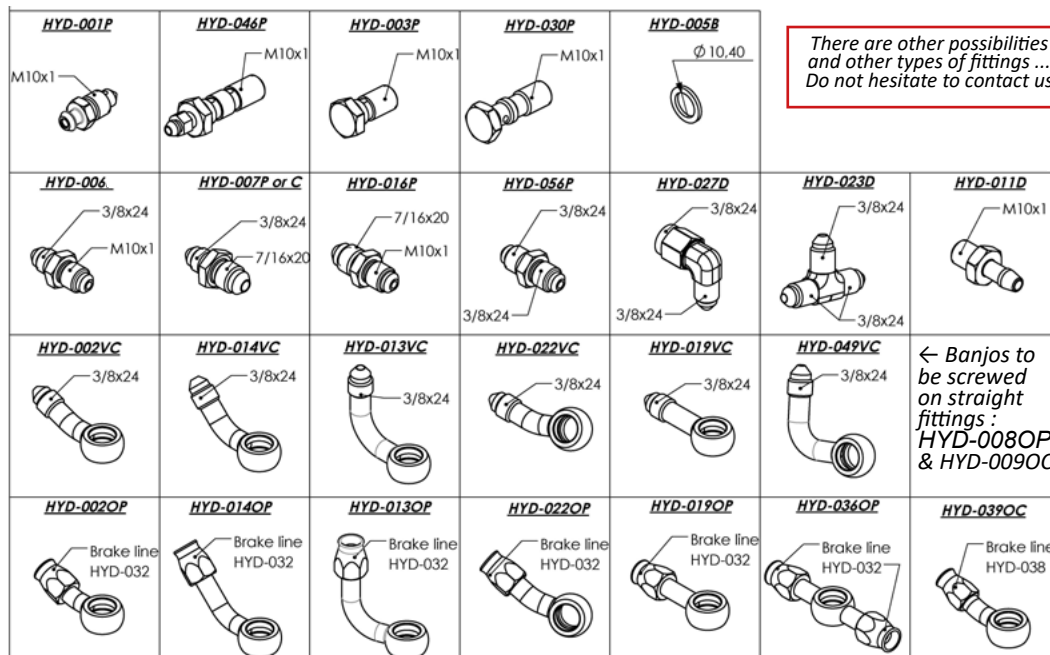
Note : these brake lines and banjo fittings are included in most of the wheel and brake kits.

Bleeding screws
Banjo screws
Seal →

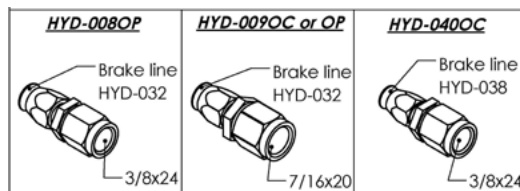
Adapters →

Banjos to
screw

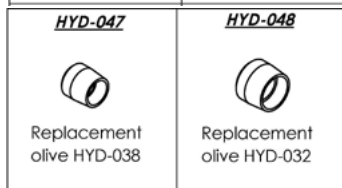
Olive Banjos



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

AéroPatents

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

Amotek 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

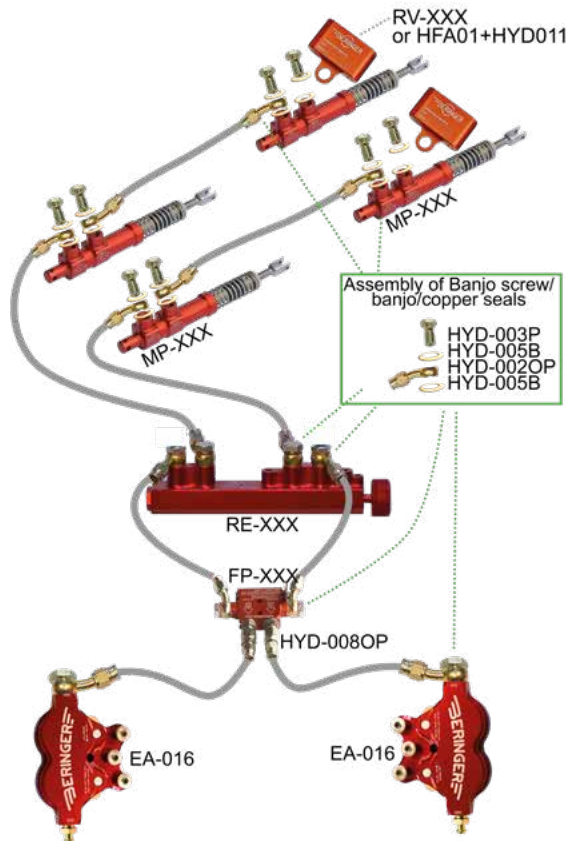
XX-XXXE



XX-XXXN

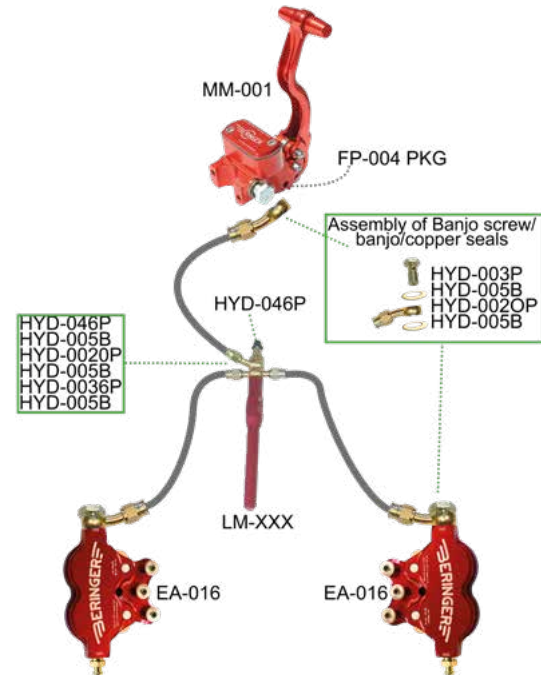


Differential braking circuit
Pilot/co-pilot rudder pedal master cylinders



This configuration can be modified depending on the Aircraft

Symmetrical braking circuit
Hand master cylinder



Contacts

Webshop

BERINGER Aero
Technology

ANOTTO® 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



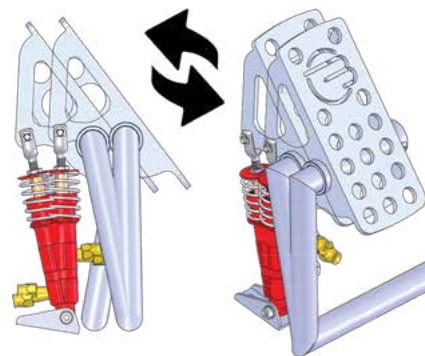
Rudd'AIR

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-006/6.2
- 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

Autote 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

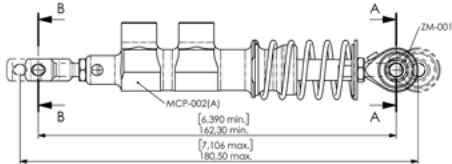
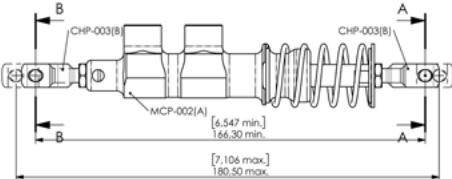
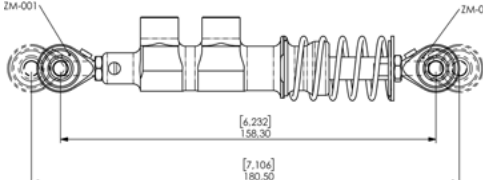
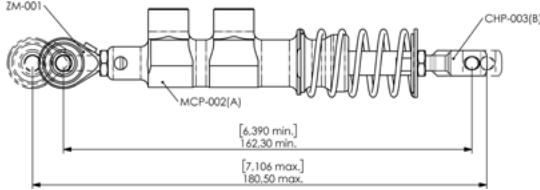
FAQs

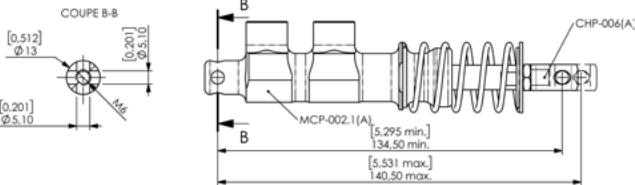
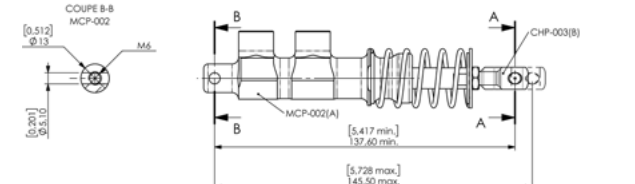
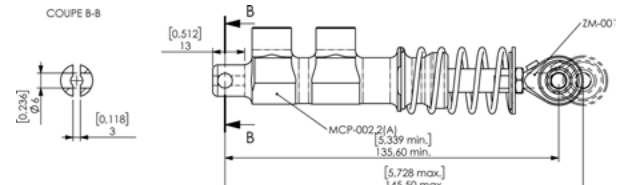
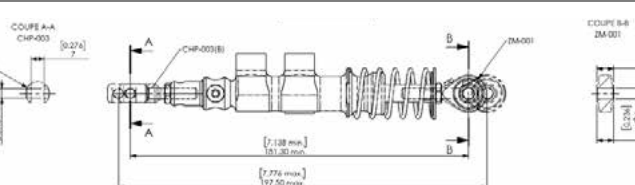
Certified kits/STCS

Exp. Kits

They trust us

Brake Master Cylinders / Levers / Pedals

Contacts													
Webshop													
BERINGER Aero Technology													
Aero 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		Max Dimension mm		Bore Inch		Weight oz	
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		Max Dimension mm		Bore Inch mm		Weight oz 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

Autotech Patents

History/ Values

Wheels/Brakes

Nose-Tailwheels

SensAIR®

Tires

Wheel Axles

Landing Gears
ALG/B'leX
Shock Wheel

Hoses/Fittings

Brake Controls
Rudd'Air Pedals

Regulators
Anti-skid

Parking Valves

Spare Parts

Tools

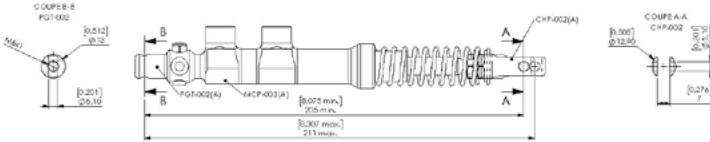
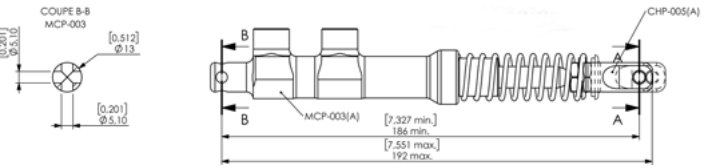
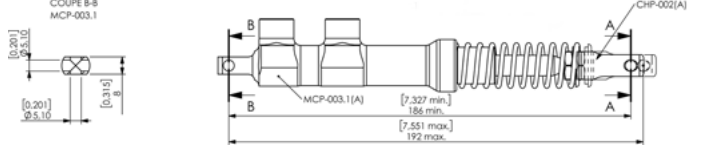
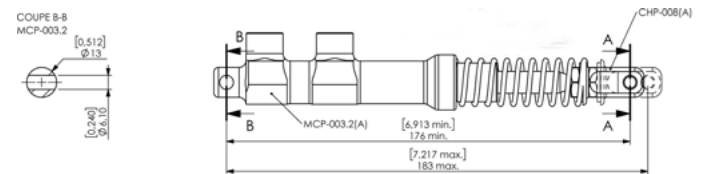
FAQs

Certified kits/STCS

Exp. Kits

They trust us

 2025 Catalog Page 48

Master cylinder P/N	attachment included	Description (Extension see page 55...)	Min Dimension Inch	mm	Max Dimension Inch	mm	Bore Inch	mm	Weight oz	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

Autote Patents

History/ Values

Wheels/Brakes

Nose-Tailwheels

SensAIR®

Tires

Wheel Axles

Landing Gears
ALG/B'leX
Shock Wheel

Hoses/Fittings

Brake Controls
Rudd'Air Pedals

Regulators
Anti-skid

Parking Valves

Spare Parts

Tools

FAQs

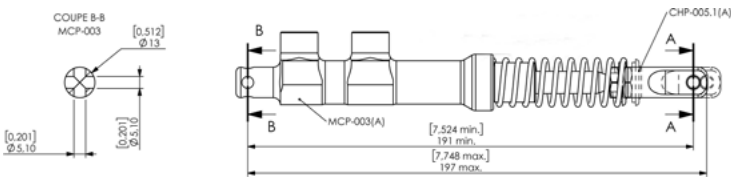
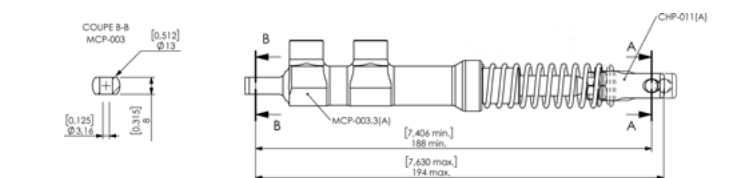
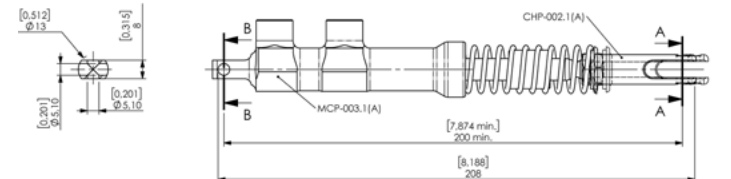
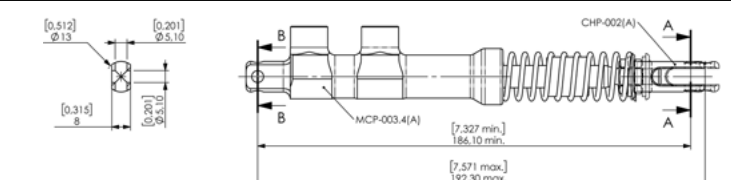
Certified kits/STCS

Exp. Kits

They trust us

Brake Master Cylinders / Levers / Pedals

Contacts														
Webshop														
BERINGER Aero Technology														
Amotek 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 mm		Max Dimension Inch mm		Bore Inch mm		Weight oz 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 mm		Max Dimension Inch mm		Bore Inch mm		Weight oz g	
MP-003.9	--	<p>COUPE B-B MCP-003</p> <p>[0.512] Ø13</p> <p>[0.201] Ø5.10</p> <p>[0.201] Ø5.10</p> <p>B</p> <p>B</p> <p>MCP-003(A)</p> <p>[6.461] 164.10</p> <p>M8</p>	-	-	-	-	1/2	12.2	4.3	122
MP-003.10	AV-JONK-004	<p>COUPE B-B MCP-003</p> <p>[0.512] Ø13</p> <p>[0.201] Ø5.10</p> <p>[0.201] Ø5.10</p> <p>B</p> <p>B</p> <p>MCP-003(A)</p> <p>[7.445 min.] 189.10 min.</p> <p>[7.689 max.] 195.30 max.</p> <p>AV-JONK-004(A)</p> <p>M8</p>	7.45	189	7.69	195	1/2	12.2	4.33	123
MP-003.11	PG-004 - CHP-002	<p>COUPE B-B PG1-004</p> <p>[0.512] Ø13</p> <p>[0.201] Ø5.10</p> <p>[0.315] Ø</p> <p>B</p> <p>B</p> <p>PG1-004(A)</p> <p>[8.075 min.] 205.10 min.</p> <p>[8.319 max.] 211.30 max.</p> <p>CHP-002(A)</p> <p>A</p> <p>A</p> <p>COUPE A-A CHP-002</p> <p>[0.201] Ø13</p> <p>[0.508] Ø12.95</p> <p>[0.274] 7</p>	8.07	205	8.32	211	1/2	12.2	4.73	134



Contacts

Webshop

BERINGER Aero
Technology

Amotek 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)



XX-XXXN



Master cylinder P/N	attachment included	Description (Extension see page 55...)	Min Dimension Inch mm		Max Dimension Inch mm		Bore Inch mm		Weight oz 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 mm		Max Dimension Inch mm		Bore Inch mm		Weight oz 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

Autote 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 / Levers / Pedals

<div>Contacts</div> <div>Webshop</div> <div>BERINGER Aero Technology</div> <div>Amotek Patents</div> <div>History/ Values</div> <div>Wheels/Brakes</div> <div>Nose-Tailwheels</div> <div>SensAIR®</div> <div>Tires</div> <div>Wheel Axles</div> <div>Landing Gears ALG/B' Flex Shock Wheel</div> <div>Hoses/Fittings</div> <div>Brake Controls Rudd'Air Pedals</div> <div>Regulators Anti-skid</div> <div>Parking Valves</div> <div>Spare Parts</div> <div>Tools</div> <div>FAQs</div> <div>Certified kits/STCs</div> <div>Exp. Kits</div> <div>They trust us</div>	Master cylinder P/N	attachment included	Description (Extension see page 55...)	Min Dimension		Max Dimension		Bore		Weight	
				Inch	mm	Inch	mm	Inch	mm	oz	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 mm		Max Dimension Inch mm		Bore Inch mm		Weight oz 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 g	
CHP-001		0.83	24
CHP-002		0.23	6

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

Contacts

Webshop

BERINGER Aero
Technology

Audiot 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

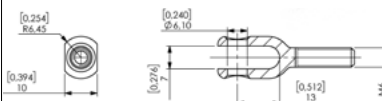
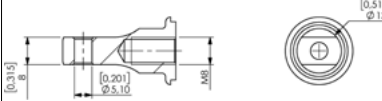
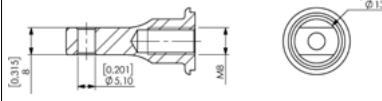
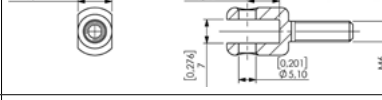
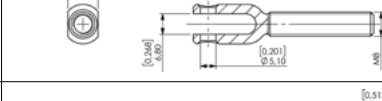


Certified kits/STCS

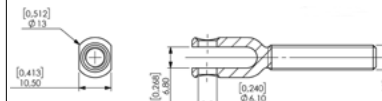
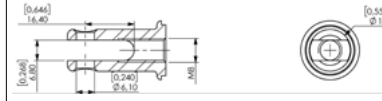
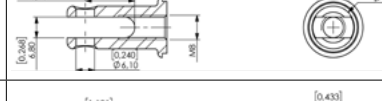

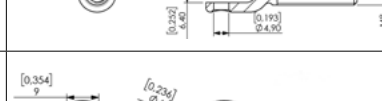


Exp. Kits

They trust us

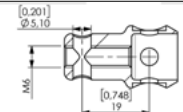
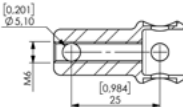
Brake Master Cylinders / Levers / Pedals

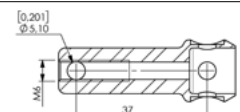

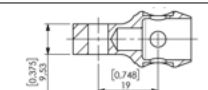
Contacts
Webshop
BERINGER Aero Technology
AMOTEC Patents
History/ Values
Wheels/Brakes
Nose-Tailwheels
SensAIR®
Tires
Wheel Axles
Landing Gears ALG/B'Flex Shock Wheel
Hoses/Fittings
Brake Controls Rudd'Air Pedals
Regulators Anti-skid
Parking Valves
Spare Parts
Tools
FAQs
Certified kits/STCs
Exp. Kits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

Attachment P/N	Description	Weight oz 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 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

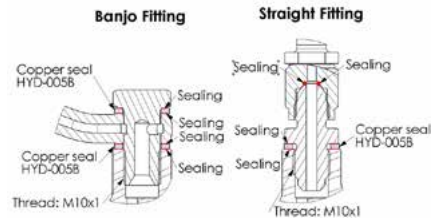
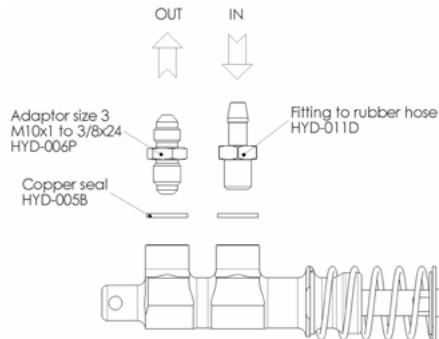
Attachments/Extenders for brake master cylinders

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

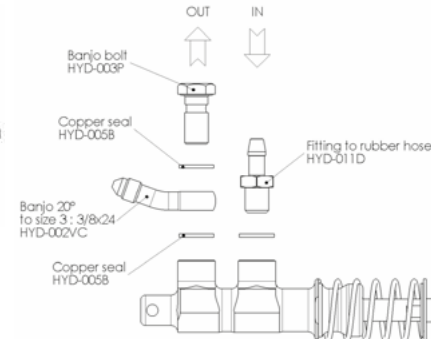
Extender P/N	Description (Srew and nut included)	Weight oz g	
PG-003.1		0.5	14.2
PG-004		0.28	8
PG-005		0.36	10.2

Hydraulic fittings for master cylinders

Only few examples of hydraulic fittings and adaptors are shown. Many other combinations are available. The banjo screw is delivered. Please contact us.



Banjo screw



Contacts

Webshop

BERINGER Aero
Technology

Amotek 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

Levers for master cylinders (hand/heel actuated)

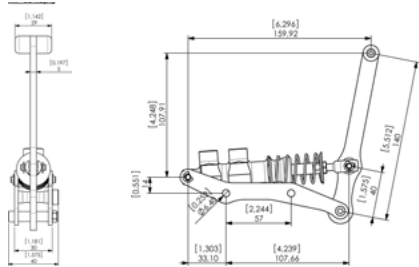

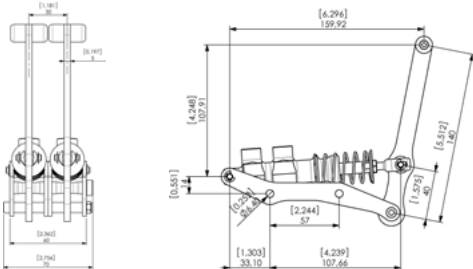

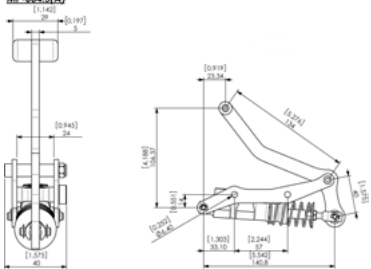

The MP-XXX brake master cylinders can be installed in the different levers described. They are hand actuated (close to the seats) or heel actuated (levers on the floor).

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

Autote 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

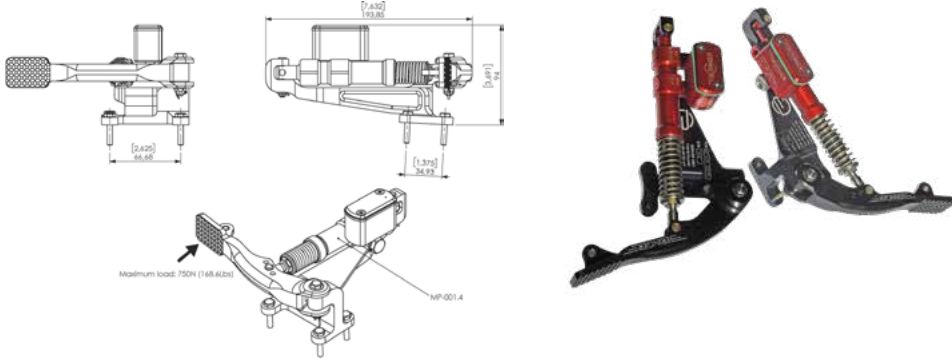
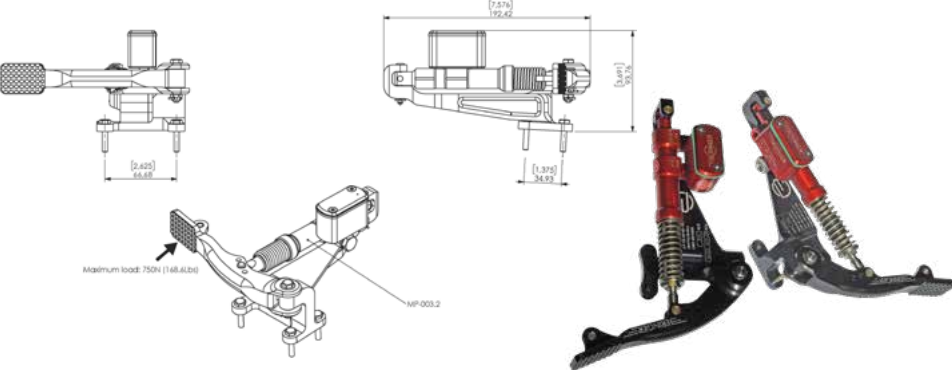
Tools

FAQs

Certified kits/STCs

Exp. Kits

They trust us

Levier only P/N	M. Cylinder (included)	Description	Levier weight Lb g	
AV-CUB-122	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 adjustable.  <p>Technical drawings of the MP-001.4 lever assembly. The top left drawing shows a side view with dimensions: [2.425] 61.68 and [1.375] 34.93. The top right drawing shows a top view with dimensions: [1.430] 36.58, [3.491] 89, and [1.375] 34.93. The bottom drawing shows a side view of the lever with a label 'Maximum load: 750N (168.60lb)' and 'MP-001.4'. A photo of the red and black lever assembly is shown to the right.</p>	1.26	568
AV-CUB-120	MP-003.2	For BERINGER wheels single brakecaliper Using ball bearings for perfect control of the braking power. Pedal ratio adjustable.  <p>Technical drawings of the MP-003.2 lever assembly. The top left drawing shows a side view with dimensions: [2.425] 61.68 and [1.375] 34.93. The top right drawing shows a top view with dimensions: [1.430] 36.58, [3.491] 89, and [1.375] 34.93. The bottom drawing shows a side view of the lever with a label 'Maximum load: 750N (168.60lb)' and 'MP-003.2'. A photo of the red and black lever assembly is shown to the right.</p>	1.14	518

Contacts

Webshop

BERINGER Aero
Technology

Autote 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

AirOtter® 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

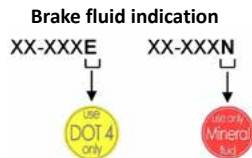
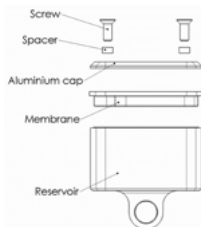
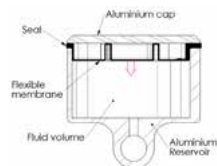
Exp. Kits





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Integral Reservoirs (Brake fluid)

Red aluminum reservoirs

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

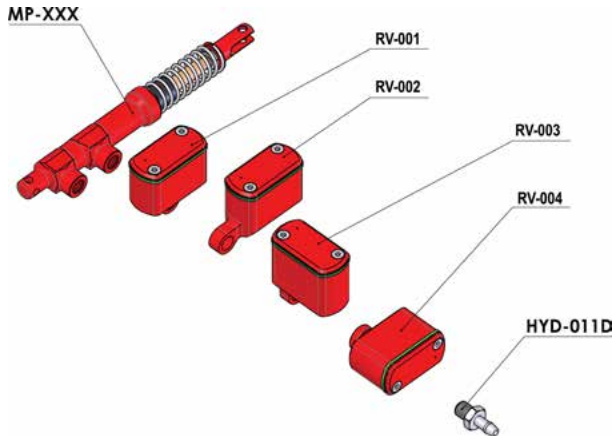


Reservoir P/N	Description		Weight		Brake Fluid
			oz	g	
RV-001E/N	Aluminum Reservoir		1.94	55	DOT4/MIL
RV-002 E/N			2.01	57	DOT4/MIL
RV-003E/N	Aluminum Reservoir (Van's type)		1.59	45	DOT4/MIL
RV-004E/N	Aluminum Reservoir - Threaded port		1.27	36	DOT4/MIL
RV-004.1E/N	Aluminum Reservoir - unthreaded port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

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

Reservoirs (Brake Fluid)

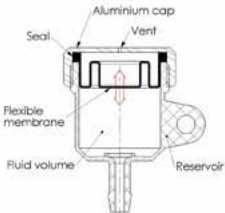
Several ways of mounting the reservoirs on the master cylinders



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



Reservoir P/N	Description	Capacity		Weight		Brake fluid
		oz	cl	oz	g	
HFA01E	Remote Reservoir	0.38	1.1	1.36	39	DOT4
HFA01N	Remote Reservoir	0.38	1.1	1.36	39	MIL
RV-007N	Remote Reservoir	1.2	3.5	2.14	61	MIL



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

Contacts

Webshop

BERINGER Aero
Technology

Autote Patents

History/ Values

Wheels/Brakes

Nose-Tailwheels

SensAIR®

Tires

Wheel Axles

Landing Gears
ALG/B'leX
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

Amotek 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

Hand Master Cylinders



Allows to actuate the following calipers : 1x 1P27 EA-009/9.1 - 2x 2P27 calipers EA-006/6.2 - 1x 2P32 EA-002

- For $\varnothing 7/8"$ (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



Option : parking brake FP-004

Master cylinder P/N	Description		Scheme	Weight oz g		Brake fluid
MM-001	Master cylinder + built-in reservoir			10.41	295	DOT4
MM-001+PKP01	Master cylinder + built-in reservoir + parking brake			10.41	295	DOT4
MM-003	Additional master cylinder (mounting in serie : co-pilot brake). To be used with MM-001 or MM-001			10.02	284	DOT4
MM-001.5	Master cylinder + built-in reservoir Yankee lever (for Y control stick)			-	-	-
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	Lever bushing kit			-	-	-

Master Cylinder cable actuated




Allows to actuate following calipers : 1x 1P27 EA-009/9.1 - 2x 2P27 calipers EA-006/6.2 - 1x 2P32 EA-002

- Actuated by cable
- Reservoir included
- Delivered with aluminum bracket
- CNC machined from billet aluminum - 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 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-006/6.2 - 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 g		Brake fluid
HAB04/MM-001	Master cylinder + reservoir hand actuated	10.41	295	DOT4
MM-004	Levier ends	-	-	-

Contacts

Webshop

BERINGER Aero
Technology

Amotte 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

ALIR anti-skid Regulator A real advance in term of Safety

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 Instruction and Use Manual delivered with the products or on the Support web page

www.beringer-aero.com

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.

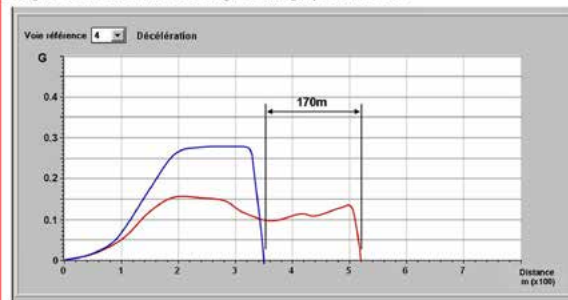
The ALIR system improves the control and dosage of the brakes and still allows differential braking while the pressure remains below the setpoint.

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.

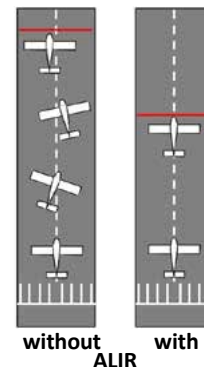
This regulator is included in most of the BERINGER Kits.

EMERGENCY BRAKING : comparison:

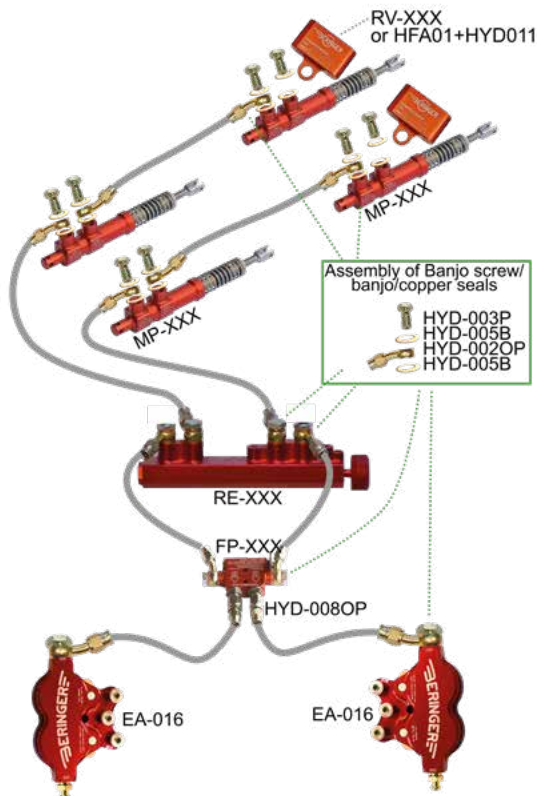
- Blue curve : with ALIR: the pilot applies full braking without any control (similar to a car ABS)
 - Red curve : without ALIR: no regulation, the pilot must control the braking (in both cases, conditions are the same: same plane, same brakes)
- Weight of the aircraft: 1200 kg, braking speed: 70 Kt



Note: BERINGER brake pads used in 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.



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	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

XX-XXXE



XX-XXXN


[Contacts](#)
[Webshop](#)
[BERINGER Aero Technology](#)
[Aurore 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

Amotek 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

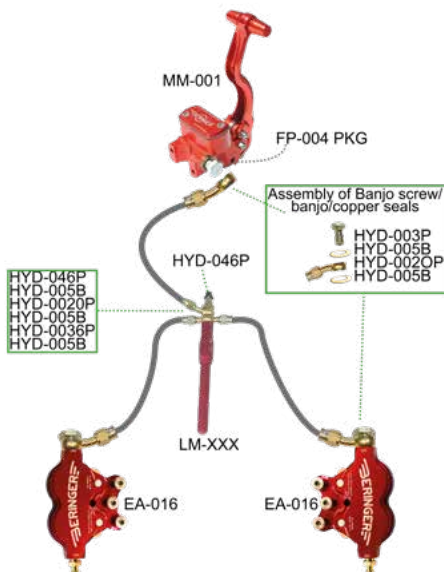
FAQs

Certified kits/STCs

Exp. Kits

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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

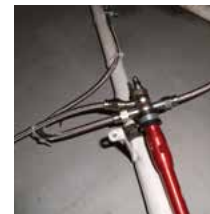
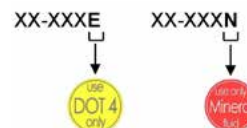
Pressure limiters

- 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.

Limiters ALIR P/N	Description	Weight oz 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

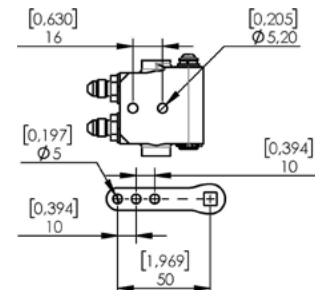




Parking Brake Valve

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	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	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](#)
[Aurore 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](#)

Parking Brake Valve

Contacts

Webshop

BERINGER Aero
Technology

Amotte 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

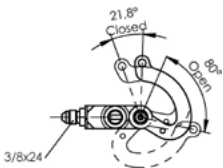
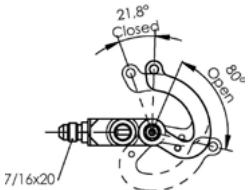
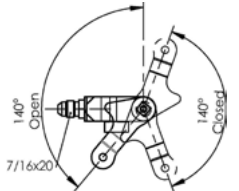
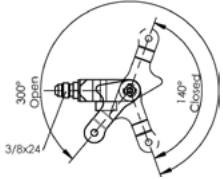
Tools

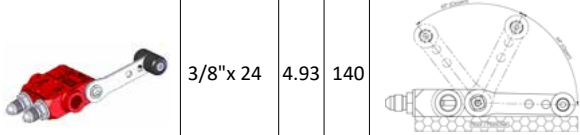
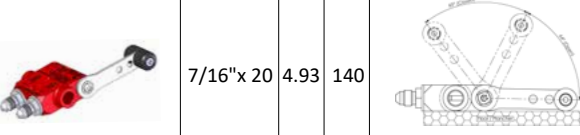
FAQs

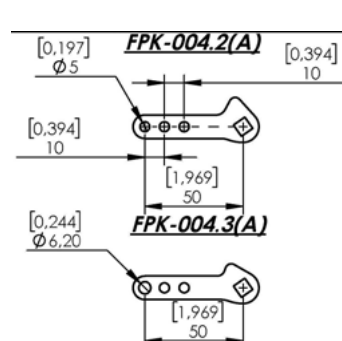
Certified kits/STCs

Exp. Kits

They trust us

Park. Valve P/N	Output	Weight oz 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 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.

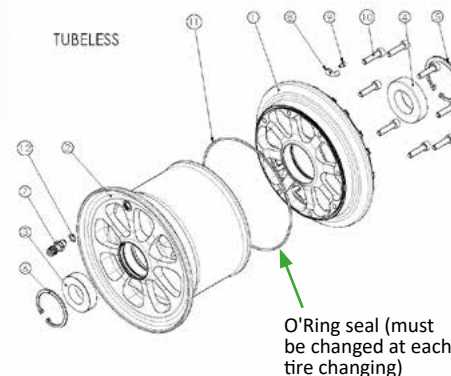
Wheels in 3 parts : please contact us



→ [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 :

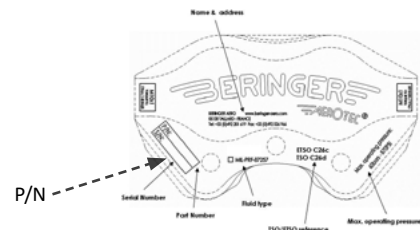
Remark : the quantity of disc and pad per braking caliper is indicated the part numbers P/N are indicated on all parts



→ [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

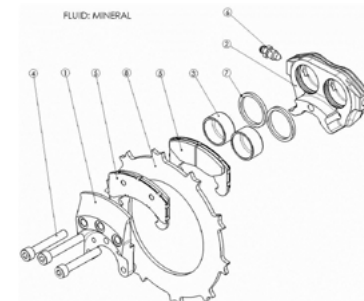
Brake pads



Brake disc



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



Contacts

Webshop

BERINGER Aero
Technology

Autote® Patents

History/ Values

Wheels/Brakes

Nose-Tailwheels

SensAIR®

Tires

Wheel Axles

Landing Gears
ALG/B'leX
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

Tools

Contacts
Webshop
BERINGER Aero Technology
Amotek 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

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 (BCH-005)	
OT-012	Tire mounting tool : 8" RF-10 wheel	



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Tech Tips - News - Information

www.youtube.com/beringeraero



Contacts

Webshop

BERINGER Aero
Technology

AeroPatents

History/ Values

Wheels/Brakes

Nose-Tailwheels

SensAIR®

Tires

Wheel Axles

Landing Gears
ALG/B'Flex
Shock Wheel

Hoses/Fittings

Brake Controls
Rudd'Air PedalsRegulators
Anti-skid

Parking Valves

Spare Parts

Tools

FAQs

Certified kits/STCs

Exp. Kits

They trust us

Contacts

Webshop

BERINGER Aero
Technology

Amotte 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 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.

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

Amotte® 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.)





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).

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

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

Audiot[®] 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

Certified Kits - STC (* Tires are optional and not part of the standard kits)

Contacts	STC n°	Airplane name	Content of the STC
Webshop	STC-013.1	Diamond / DA42	Main/nose wheels - Single brakes - Axles - Brake lines
BERINGER Aero Technology	STC-13.2	Diamond / DA42NG	Main/nose wheels - Single brakes - Axles - Brake lines
ANOTTO® Patents	STC-014.1	Piper / PA-28 150/151/160/161	Main/nose wheels - Brakes (pilot/co pilot) - Axles - Brake lines
History/ Values	STC-014.2	Piper / PA-28 180/181	Main/nose wheels - Brakes (pilot/co pilot) - Axles - Brake lines
Wheels/Brakes	STC-014.3	Piper / PA-28 150/151/160/161	Main/nose wheels - Brakes (pilot/co pilot) - Axles - Brake lines
Nose-Tailwheels	STC-015	DG Flugzeugbau / LS4	Main wheel - Brake - Brake limiter - Axle - Brake line
SensAIR®	STC-016	Piper / PA-18 Cleveland/Grove	Brake Heel master cylinders
Tires	STC-017.1	Piper / PA-46 310P/350P/350T	Main/nose wheels - Brakes (pilot/co pilot) - Axles - Brake lines
Wheel Axles	STC-017.2	Piper / PA46 500TP	Main/nose wheels - Freins DUAL (pilot/co pilot) - Axles - Brake lines
Landing Gears ALG/B'Flex Shock Wheel	STC-018	Piper / PA-18 Cleveland/Grove	ALG Landing gear - Axle kit 1.5"
Hoses/Fittings	STC-018.2	Piper / PA-18	10" Main wheels - Heel brakes - Reservoirs - Axles - ALG landing gear
Brake Controls Rudd'Air Pedals	STC-018.3	Piper / PA-18	6" Main wheels - Heel brakes - Reservoirs - Axles - ALG landing gear
Regulators Anti-skid	STC-019.1	Piper / PA-18 - Axle 1.5"	10" Main wheels - Heel brakes - Reservoirs - Axle adaptation parts
Parking Valves	STC-019.2	Piper / PA-18 - Axle 1.25"	10" Main wheels - Heel brakes - Reservoirs - Axle adaptation parts
Spare Parts	STC-021	Diamond / DA62	Main/nose wheels - Tires - Single brakes - Axles - Brake lines
Tools	STC-022.1	Cessna / 180/182 with fairings	Main wheels - Brakes - Reservoirs - Axles - Brake lines
FAQs	STC-022.2	Cessna / 180/182 without fairings	Main wheels - Brakes - Reservoirs - Axles - Brake lines
Certified kits/STCs	STC-022.3	Cessna / 1820/182 with fairings	Nose wheel - Axle
Exp. Kits	STC-022.4	Cessna / 180/182 without fairings	Nose wheel - Axle
They trust us	STC-022.5	Cessna / 182 - Tube LG	Brake line set
	STC-022.6	Cessna / 182 - Spring LG	Brake line set
	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 ->






Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose wheel P/N (optional)	Wheel colour	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 <i>With fairings</i>	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 <i>Without fairings</i>	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 <i>Tube LG</i>	STC-022.5 Brake line set Bracket					
Cessna / 182 <i>Spring LG</i>	STC-022.6 Brake line set Bracket					



















Contacts
Webshop
BERINGER Aero Technology
Aviatic 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

Certified Kits - STC (* Tires are optional and not part of the standard kits)

Contacts	<div>BERINGER Aero Technology</div> <div>Amotek Patents</div> <div>History/ Values</div> <div>Wheels/Brakes</div> <div>Nose-Tailwheels</div> <div>SensAIR®</div> <div>Tires</div> <div>Wheel Axles</div> <div>Landing Gears ALG/B' Flex Shock Wheel</div> <div>Hoses/Fittings</div> <div>Brake Controls Rudd'Air Pedals</div> <div>Regulators Anti-skid</div> <div>Parking Valves</div> <div>Spare Parts</div> <div>Tools</div> <div>FAQs</div> <div>Certified kits/STCs</div> <div>Exp. Kits</div> <div>They trust us</div>	Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose wheel P/N (included)	Wheel colour	Accessories (order separately)	Notes
Webshop		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 colour	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	other colors option 	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	  	TP-006 SensAIR® 6" TP-005 SensAIR® 5" 	MTOW 1785kg 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 1900kg 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

Auflite® 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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Certified Kits - STC (* Tires are optional and not part of the standard kits)






<div>Contacts</div> <div>Webshop</div> <div>BERINGER Aero Technology</div> <div>Amotek Patents</div> <div>History/ Values</div> <div>Wheels/Brakes</div> <div>Nose-Tailwheels</div> <div>SensAIR®</div> <div>Tires</div> <div>Wheel Axles</div> <div>Landing Gears ALG/B' Flex Shock Wheel</div> <div>Hoses/Fittings</div> <div>Brake Controls Rudd'Air Pedals</div> <div>Regulators Anti-skid</div> <div>Parking Valves</div> <div>Spare Parts</div> <div>Tools</div> <div>FAQs</div> <div>Certified kits/STCs</div> <div>Exp. Kits</div> <div>They trust us</div>							
	Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose / Tailwheel (Included)	Wheel colour	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	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		  other colors option	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 colour	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  	TP-005 SensAIR® 5" 
Piper / PA-18 <i>Cleveland/Grove brakes</i>		STC-016 2x Heel master cylinders 2x heel levers 2x reservoirs		other colors option  	
Piper / PA-18 <i>1.25" OEM axle</i>	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 ABI-Cleveland-Grove)	 	
Piper / PA-18 <i>1.50" OEM axle</i>	STC-019.1 Wheel 10" Calipers/discs/pads Adaptation parts for 1.50" LG	2x Heel master cylinders 2x heel levers 2x reservoirs	 ALG in Alaska	 	
Piper / PA-18 <i>BERINGER ALG LG</i> 	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
Avioteq 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

















Certified Kits - STC (* Tires are optional and not part of the standard kits)

<div>Contacts</div> <div>Webshop</div> <div>BERINGER Aero Technology</div> <div>Amolite® Patents</div> <div>History/Values</div> <div>Wheels/Brakes</div> <div>Nose-Tailwheels</div> <div>SensAIR®</div> <div>Tires</div> <div>Wheel Axles</div> <div>Landing Gears ALG/B'Flex Shock Wheel</div> <div>Hoses/Fittings</div> <div>Brake Controls Rudd'Air Pedals</div> <div>Regulators Anti-skid</div> <div>Parking Valves</div> <div>Spare Parts</div> <div>Tools</div> <div>FAQs</div> <div>Certified kits/STCs</div> <div>Exp. Kits</div> <div>They trust us</div>	Aircraft Make/Model	Wheel/Brake package P/N	Brake controls (included)	Nose / Tailwheel (Included)	Wheel colour	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  	TP-006 SensAIR® 6" 	The 3 STC's include pilot and co-pilot brakes
	Piper / PA-28 150/151/160/161 <i>With wheel fairings</i>	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	other colors option  	TP-005 SensAIR® 5" TP-006 SensAIR® 6" 	
	Piper / PA-28 150/151/160/161 <i>Without wheel fairings</i>	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	   	TP-005 SensAIR® 5" TP-006 SensAIR® 6" 	The 2 STC's include pilot and co-pilot brakes
	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"			
	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 colour	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](#)
[AvioPat® 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](#)

Certified Kits - STC (* Tires are optional and not part of the standard kits)

<div>Contacts</div> <div>Webshop</div> <div>BERINGER Aero Technology</div> <div>ANOTTO® Patents</div> <div>History/ Values</div> <div>Wheels/Brakes</div> <div>Nose-Tailwheels</div> <div>SensAIR®</div> <div>Tires</div> <div>Wheel Axles</div> <div>Landing Gears ALG/B' Flex Shock Wheel</div> <div>Hoses/Fittings</div> <div>Brake Controls Rudd'Air Pedals</div> <div>Regulators Anti-skid</div> <div>Parking Valves</div> <div>Spare Parts</div> <div>Tools</div> <div>FAQs</div> <div>Certified kits/STCs</div> <div>Exp. Kits</div> <div>They trust us</div>	Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose / Tailwheel (Included)	Wheel colour	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 	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		other colors option  	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 recommend 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 palette of colors is also available for the wheels (refer to website) with an extra charge and leadtime.



RED



BLACK



ORANGE



ELECTRIC BLUE



YELLOW



PURPLE





















FOREST GREEN




















ROYAL BLUE

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

Contacts								
Webshop								
BERINGER Aero Technology								
Amotek 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 P/N (optional)	Wheel colour	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  		- 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	other colors option 		- 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 	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			- 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 colour	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	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	   	- Shock Wheel (two types depending 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](#)
[Aurore 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](#)

Experimental/Non Certified wheel/brake kits





















* Tires are optional and not part of the standard kits

Contacts	Example: WT9F4X6NWRHB								Accessories (Order Separately)
Webshop	Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)	
BERINGER Aero Technology	Aerospool	WT9F <input type="checkbox"/>	SW <input type="checkbox"/>	4X6 <input type="checkbox"/>	NW <input type="checkbox"/>	R <input type="checkbox"/>	HB <input type="checkbox"/>	L <input type="checkbox"/>	Sensair <input type="checkbox"/>
AeroTite® Patents		Dynamic WT9 (Fixed LG)	Shockwheel Landing Gear System	4.00-6" SL Wheel & Single Brake	4.00-6" SL Nose Wheel	Red	Hand Brake Master Cylinder	Pressure Limiter	Tire Pressure Monitoring System
History/ Values						BL <input type="checkbox"/>			SpeedAIR <input type="checkbox"/>
Wheels/Brakes						Black			Wheel Pant/Fairing
Nose-Tailwheels						SP <input type="checkbox"/>			
SensAIR®						Special Color			

Tires	Example: WT9R4X6NWRHB								Accessories (Order Separately)
Wheel Axles	Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)	
Landing Gears ALG/B'Flex Shock Wheel	Aerospool	WT9R <input type="checkbox"/>		4X6 <input type="checkbox"/>	NW <input type="checkbox"/>	R <input type="checkbox"/>	HB <input type="checkbox"/>	L <input type="checkbox"/>	Sensair <input type="checkbox"/>
Hoses/Fittings		Dynamic WT9 (Retract LG)	Not Applicable	4.00-6" SL Wheel & Single Brake	4.00-6" SL Nose Wheel	Red	Hand Brake Master Cylinder	Pressure Limiter	Tire Pressure Monitoring System
Brake Controls Rudd'Air Pedals						BL <input type="checkbox"/>			
Regulators Anti-skid						Black			
Parking Valves						SP <input type="checkbox"/>			
Spare Parts						Special Color			

Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel colour	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 colour options 
							


















* 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 colour	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 		- 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		other colors option  		- 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
AirRes 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

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

<div>Contacts</div> <div>Webshop</div> <div>BERINGER Aero Technology</div> <div>Amotek Patents</div> <div>History/Values</div> <div>Wheels/Brakes</div> <div>Nose-Tailwheels</div> <div>SensAIR®</div> <div>Tires</div> <div>Wheel Axles</div> <div>Landing Gears ALG/B'Flex Shock Wheel</div> <div>Hoses/Fittings</div> <div>Brake Controls Rudd'Air Pedals</div> <div>Regulators Anti-skid</div> <div>Parking Valves</div> <div>Spare Parts</div> <div>Tools</div> <div>FAQs</div> <div>Certified kits/STCs</div> <div>Exp. Kits</div> <div>They trust us</div>	Aircraft Make/Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel colour	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 		- 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		 other colors option	- 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® 	

* 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 colour	Landing Gear (optional)	Accessories (order separately)	Notes
ASSO / Vidor	SVID01 Wheels 4.00-6" *tires 4.00-6" Cali- pers/discs/pads Axles	2x master cylinders Reservoirs Brake lines/fittings		standard red or black color 		- 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	 other colors option	- 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

Aviotech 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

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

<div>Contacts</div> <div>Webshop</div> <div>BERINGER Aero Technology</div> <div>Amotek Patents</div> <div>History/ Values</div> <div>Wheels/Brakes</div> <div>Nose-Tailwheels</div> <div>SensAIR®</div> <div>Tires</div> <div>Wheel Axles</div> <div>Landing Gears ALG/B'Flex Shock Wheel</div> <div>Hoses/Fittings</div> <div>Brake Controls Rudd'Air Pedals</div> <div>Regulators Anti-skid</div> <div>Parking Valves</div> <div>Spare Parts</div> <div>Tools</div> <div>FAQs</div> <div>Certified kits/STCs</div> <div>Exp. Kits</div> <div>They trust us</div>	Aircraft Make/ Model		Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel colour	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  	- 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	other colors option   		- SensAIR® - Co-pilot brakes - GLR tailwheel bush TW-002 	
	Avions Michel Barry / Sourisbulle MB04		2xWheels 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 avail- able




















* 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 colour	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  		- 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	other colors option 		- 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](#)
[Autote 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](#)

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

Contacts								
Webshop								
BERINGER Aero Technology								
Amotek 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 P/N (optional)	Wheel colour	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  	- Shock Wheel - SPEED'AIR fairings 	- SensAIR® - Co-pilot hand brake - Parking brake 	
	BRM / Citius Land Afrika Okavango tires ≤ 26" <u>Rudder pedal brakes</u> 	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 or SSV02A narrow fork wheel 4.00-6" *tire 4.00-6" Axle or TW-002 GLR groundloop resistant TW Wheel 3.50-4" *tire 4.00-4" TW support Levier/cable to lock/unlock	other colors option     	- Shock Wheel - SPEED'AIR fairings  Taildragger : - ALG landing Gear + fuselage kit 	- SensAIR® - Co-pilot brakes - Parking brake  	-Nose wheel aircraft use Shock Wheel -Taildragger use ALG LG
	BRM / Citius Land Afrika Okavango tires > 26" <u>Hand brake</u>	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 		

Experimental/Non Certified wheel/brake kits

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Catalog string		Example: XL8X6NW3RHB1LPB					
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)
BRM Aero	XL8 <input type="checkbox"/>	SW <input type="checkbox"/>	4X6 <input type="checkbox"/>	NW1 <input type="checkbox"/>	R <input type="checkbox"/>	HB1 <input type="checkbox"/>	L <input type="checkbox"/> *
	Bristell XL8	Shockwheel Landing Gear System	4.00-6" SL Wheel & Single Brake	3.50-4" Nose Wheel	Red	Single Hand Brake Master Cylinder	Pressure Limiter
5X5 <input type="checkbox"/>			NW2 <input type="checkbox"/>	BL <input type="checkbox"/>	HB2 <input type="checkbox"/>	REG <input type="checkbox"/> *	
5.00-5" SL Wheel & Single Brake			5.00-5" Nose Wheel	Black	Dual Hand Brake Master Cylinder	ALIR Regulator	
6X6 <input type="checkbox"/>			NW3 <input type="checkbox"/>	SP <input type="checkbox"/>	2MC <input type="checkbox"/>	PB <input type="checkbox"/> *	
6.00-6" SL Wheel & Dual Brake			4.00-6" SL Nose Wheel	Special Color	Pilot Only 2 Master Cylinders	Parking Brake	
						4MC <input type="checkbox"/>	
						Pilot+Copilot 4 Master Cylinders	

* Limiter compatible with HB1 and HB2

* Regulator compatible with 2MC and 4MC

* Parking Brake compatible with 2MC and 4MC



Contacts

Webshop

BERINGER Aero Technology

Aviation 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













Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

Contacts								
Webshop								
BERINGER Aero Technology								
Amotek 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 P/N (optional)	Wheel colour	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  	- 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	other colors option 	- 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

Experimental/Non Certified wheel/brake kits

* 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 colour	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      

Catalog string		Example: C424X6NW1RHBL							
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)	Accessories (Order Separately)	
Comco Ikarus	C42 <input type="checkbox"/>	SW <input type="checkbox"/>	4X6 <input type="checkbox"/>	NW1 <input type="checkbox"/>	R <input type="checkbox"/>	HB <input type="checkbox"/>	L <input type="checkbox"/>	Sensair <input type="checkbox"/>	
	C42	Shockwheel Landing Gear System	4.00-6" SL Wheel & Single Brake	4.00-4" Nose Wheel	Red	Hand Brake Master Cylinder	Pressure Limiter	Tire Pressure Monitoring System	
		BF <input type="checkbox"/>		NW2 <input type="checkbox"/>	BL <input type="checkbox"/>				
		B'Flex Landing Gear System		4.00-6" SL Nose Wheel	Black				
					SP <input type="checkbox"/>				
					Special Color				


[Contacts](#)
[Webshop](#)
[BERINGER Aero Technology](#)
[AeroPatents](#)
[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](#)

Experimental/Non Certified wheel/brake kits

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Contacts							
Webshop							
BERINGER Aero Technology							
ANOTTO 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 P/N (optional)	Wheel colour	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



YELLOW



PURPLE



FOREST GREEN



ROYAL BLUE

Experimental/Non Certified wheel/brake kits

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Catalog string		Example: CCUB6X6DBL2MCPB					
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)
CUBCRAFTERS	CCUB <input type="checkbox"/>	ALG <input type="checkbox"/>	6X6S <input type="checkbox"/>	TW1 <input type="checkbox"/>	R <input type="checkbox"/>	2MC <input type="checkbox"/>	REG <input type="checkbox"/>
			6.00-6" LE Wheel & Single Brake (29" tire or less)	3.50-4" Matco Replacement	Red	Pilot Only 2 Master Cylinders	ALIR Regulator
			6X6D <input type="checkbox"/>	TW2 <input type="checkbox"/>	BL <input type="checkbox"/>		PB <input type="checkbox"/>
			6.00-6" LE Wheel & Dual Brake (31" tire)	3.50-4" Scott Replacement	Black		Parking Brake
			10 <input type="checkbox"/>	TW3 <input type="checkbox"/>	SP <input type="checkbox"/>		
			8.50-10" LE Wheel & Single Brake	3.50-4" Ground Loop Resistant Tailwheel	Special Color		



Catalog string		Example: XCUB6X6NWR2MCPB					
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)
CUBCRAFTERS	XCUB <input type="checkbox"/>		6X6 <input type="checkbox"/>	NW <input type="checkbox"/>	R <input type="checkbox"/>	2MC <input type="checkbox"/>	REG <input type="checkbox"/>
			6.00-6" LE Wheel & Single Brake (29" tire or less)	6.00-6" LE Nosewheel	Red	Pilot Only 2 Master Cylinders	ALIR Regulator
					BL <input type="checkbox"/>		PB <input type="checkbox"/>
					Black		Parking Brake
					SP <input type="checkbox"/>		
					Special Color		



Accessories
(Order Separately)

Sensair ☐

Tire Pressure Monitoring System

Contacts

Webshop

BERINGER Aero Technology

Aviotech 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

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

Contacts								
Webshop								
BERINGER Aero Technology								
Amotek 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 P/N (optional)	Wheel colour	Landing Gear (optional)	Accessories (order separately)	Notes
	DB4/ Fascination RLG 	SFB01 Wheels 4.00-5" *tires 11x4.00-5" Calipers/discs/pads Axles	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 colour	Landing Gear (optional)	Accessories (order separately)	Notes
Dova Aircraft / Skylark 	SDO01 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 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 or 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 cylin- ders 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		 	- Shock Wheel - SPEED'AIR fairings 	- SensAIR® - Co-pilot brake 	
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 <i>narrow fork</i> SEK01A <i>large fork</i> wheel 4.00-6" *tire 4.00-6" axle				Shock Wheel:: If already equipped with BERIN- GER wheels, axle must be changed

















[Contacts](#)
[Webshop](#)
[BERINGER Aero
Technology](#)
[AeroPatents](#)
[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](#)

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

<div>Contacts</div> <div>Webshop</div> <div>BERINGER Aero Technology</div> <div>Amotek Patents</div> <div>History/Values</div> <div>Wheels/Brakes</div> <div>Nose-Tailwheels</div> <div>SensAIR®</div> <div>Tires</div> <div>Wheel Axles</div> <div>Landing Gears ALG/B' Flex Shock Wheel</div> <div>Hoses/Fittings</div> <div>Brake Controls Rudd'Air Pedals</div> <div>Regulators Anti-skid</div> <div>Parking Valves</div> <div>Spare Parts</div> <div>Tools</div> <div>FAQs</div> <div>Certified kits/STCs</div> <div>Exp. Kits</div> <div>They trust us</div>	Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel colour	Landing Gear (optional)	Accessories (order separately)	Notes
	ELA Aviacon / 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 	

* 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 colour	Landing Gear (optional)	Accessories (order separately)	Notes
F1 Aircraft / F1 Rocket 	SRO02 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

Autote 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

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

Contacts

Webshop

BERINGER Aero
Technology

AmOtt® 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 colour	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  	- 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			other colors option 		- 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
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

Auflite® 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

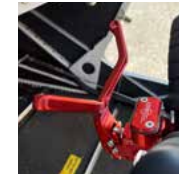
Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

<div>Contacts</div> <div>Webshop</div> <div>BERINGER Aero Technology</div> <div>Amotek Patents</div> <div>History/ Values</div> <div>Wheels/Brakes</div> <div>Nose-Tailwheels</div> <div>SensAIR®</div> <div>Tires</div> <div>Wheel Axles</div> <div>Landing Gears ALG/B'Flex Shock Wheel</div> <div>Hoses/Fittings</div> <div>Brake Controls Rudd'Air Pedals</div> <div>Regulators Anti-skid</div> <div>Parking Valves</div> <div>Spare Parts</div> <div>Tools</div> <div>FAQs</div> <div>Certified kits/STCs</div> <div>Exp. Kits</div> <div>They trust us</div>	Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel colour	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  	- 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	other colors option 			
	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 or 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

* Tires are optional and not part of the standard kits

Catalog string		Example: NYN6X6DNW2HBY					
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)
FlyLight	NYN□	SW □	4X6 □	NW1 □	R □	HB □	L □
	SkyRanger Nynja	Shockwheel Landing Gear System	4.00-6" SL Wheel & Single Brake	4.00-6" Nosewheel	Red	Hand Brake Master Cylinder	Pressure Limiter
		BF □	6X6S □	NW2 □	BL □	HBV □	
		B'Flex Landing Gear System	6.00-6" SL Wheel & Single Brake	6.00-6" Nosewheel	Black	Hand Brake Master Cylinder w/ Yankee Lever	
			6X6D □		SP □		
			6.00-6" SL Wheel & Dual Brake		Special Color		
			7X8D □				
			7.00-8" SL Wheel & Dual Brake				



Contacts

Webshop

BERINGER Aero Technology

Autotex 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

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

<div>Contacts</div> <div>Webshop</div> <div>BERINGER Aero Technology</div> <div>Amotek Patents</div> <div>History/Values</div> <div>Wheels/Brakes</div> <div>Nose-Tailwheels</div> <div>SensAIR®</div> <div>Tires</div> <div>Wheel Axles</div> <div>Landing Gears ALG/B'Flex Shock Wheel</div> <div>Hoses/Fittings</div> <div>Brake Controls Rudd'Air Pedals</div> <div>Regulators Anti-skid</div> <div>Parking Valves</div> <div>Spare Parts</div> <div>Tools</div> <div>FAQs</div> <div>Certified kits/STCs</div> <div>Exp. Kits</div> <div>They trust us</div>	Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel colour	Landing Gear (optional)	Accessories (order separately)	Notes
	Fournier/ RF3	SRF01 <i>Ultralight</i> 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  		- SensAIR® 	<u>Kit non certified</u>
	Fournier/ RF3-RF4 	SRF03 <i>Certified type</i> Wheel 5.00-5" *tire 5.00-5" Caliper/disc/pads Axle	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings		other colors option      		- SensAIR® 	<u>Kit available only from Air Projet FR</u>
	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® 	<u>Kit non certified</u>
	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 	<u>Kit non certified</u>

* 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 colour	Landing Gear (optional)	Accessories (order separately)	Notes
Freccia / Sparviero 	SPRO01 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  		- 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 <i>(large fork)</i> Wheel 4.00-6" *tire 15x6.00-6" Axle or SGA02A <i>(narrow fork)</i> Wheel 4.00-6" * tire 6.00-6" - Axle	other colors option  	- 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 or AV-GAZA-030 <i>Fork 3.94" 100mm</i> Wheel 3.50-4" *tire 4.00-4" - Axle or AV-GAZA-031 Wheel 4.00-5" *tire 11x4.00-5" Axle	    	Ask us, options avail- able	- 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

AeroPatents

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

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

Contacts
Webshop
BERINGER Aero Technology
Amotif® 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

Catalog string		Example: GL35X5NWR2MCREGPB					
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)
Glasair	GL3 <input type="checkbox"/>		5X5 <input type="checkbox"/>	NW <input type="checkbox"/>	R <input type="checkbox"/>	2MC <input type="checkbox"/>	REG <input type="checkbox"/>
	Glasair III RLG	Not Applicable	5.00-5" HL Wheel & Single Brake	4.00-5" Nosewheel	Red	Pilot Only 2 Master Cylinders	ALIR Regulator
					BL <input type="checkbox"/>	4MC <input type="checkbox"/>	PB <input type="checkbox"/>
					Black	Pilot+Copilot 4 Master Cylinders	Parking Brake
					SP <input type="checkbox"/>		
					Special Color		



Accessories (Order Separately)
Sensair <input type="checkbox"/>
Tire Pressure Monitoring System






















Catalog string		Example: GLS6X6R4MCPB					
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)
Glasair	GLS <input type="checkbox"/>		6X6 <input type="checkbox"/>		R <input type="checkbox"/>	2MC <input type="checkbox"/>	REG <input type="checkbox"/>
	Glasair Sportsman	Not Applicable	6.00-6" HE Wheel & Single Brake	Not Applicable	Red	Pilot Only 2 Master Cylinders	ALIR Regulator
					BL <input type="checkbox"/>	4MC <input type="checkbox"/>	PB <input type="checkbox"/>
					Black	Pilot+Copilot 4 Master Cylinders	Parking Brake
					SP <input type="checkbox"/>		
					Special Color		



Accessories (Order Separately)
Sensair <input type="checkbox"/>
Tire Pressure Monitoring System



* 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 colour	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  		-SensAIR® 	<u>Kit non certified</u>
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	other colors option      		-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	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings	AV-HUM-030 Wheel 3.50-4 Axle Tire : ask us		-Shock Wheel 	-SensAIR® -Parking brake -Co-pilot brake -Differential brakes on rudder in addition, hand actuated	- 8" wheels for DURO 21" and 27.5" tires also avail- able -Datum skis mounting : order STE02 kit with spe- cial axles
Ibis Aircraft / Ibis 			AV-IBIS-030 Wheel 4.00-6" * tire 15x6.00-6" Axle			-SensAIR® 	

Contacts

Webshop

BERINGER Aero
Technology

Audiot Patents

History/ Values

Wheels/Brakes

Nose-Tailwheels

SensAIR®

Tires

Wheel Axles

Landing Gears
ALG/B'leX
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
















Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

Contacts	Tires are optional and not part of the standard kits								
Webshop	Catalog string		Example: SAV6X6DNW1R4MCPB						
BERINGER Aero Technology	Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)	Accessories (Order Separately)
Aucote Patents	ICP	SAV <input type="checkbox"/>	ALG <input type="checkbox"/> *	6X6S <input type="checkbox"/>	NW1 <input type="checkbox"/>	R <input type="checkbox"/>	HB1 <input type="checkbox"/>	L <input type="checkbox"/> *	Sensair <input type="checkbox"/>
History/ Values		Savannah	Alaska Landing Gear	6.00-6" SL Wheel & Single Brake (26" tire or less)	4.00-6" Nose Wheel 210mm Fork	Red	Single Hand Brake Master Cylinder	Pressure Limiter	Tire Pressure Monitoring System
Wheels/Brakes			SW <input type="checkbox"/>	6X6D <input type="checkbox"/>	NW2 <input type="checkbox"/>	BL <input type="checkbox"/>	HB2 <input type="checkbox"/>	REG <input type="checkbox"/> *	SpeedAIR <input type="checkbox"/>
Nose-Tailwheels			Shockwheel Landing Gear System	6.00-6" SL Wheel & Dual Brake (over 26" tire)	4.00-6" Nose Wheel 156mm Fork	Black	Dual Hand Brake Master Cylinder	ALIR Regulator	Wheel Pant/Fairing
SensAIR®		BF <input type="checkbox"/>	7X8D <input type="checkbox"/>	NW3 <input type="checkbox"/>	SP <input type="checkbox"/>	2MC <input type="checkbox"/>	PB <input type="checkbox"/> *		
Tires		B'Flex Landing Gear System	7.00-8" SL Wheel & Dual Brake	4.00-6" Nose Wheel 146mm Fork	Special Color	Pilot Only 2 Master Cylinders	Parking Brake		
Wheel Axles				TW <input type="checkbox"/> *	3.50-4" Ground Loop Resistant Tailwheel	4MC <input type="checkbox"/>			
Landing Gears ALG/B'Flex Shock Wheel						Pilot+Copilot 4 Master Cylinders			
Hoses/Fittings	* ALG compatible with taildragger only * TW compatible with taildragger only					* Limiter compatible with HB1 and HB2 * Regulator compatible with 2MC and 4MC * Parking Brake compatible with 2MC and 4MC			

Brake Controls Rudd'Air Pedals	Catalog string		Example: VNT6X6NW1BL4MCPB					Accessories (Order Separately)	
Regulators Anti-skid	Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls		Options (Check all that apply)
Parking Valves	ICP	VNT <input type="checkbox"/>		6X6 <input type="checkbox"/>	NW1 <input type="checkbox"/>	R <input type="checkbox"/>	2MC <input type="checkbox"/>		REG <input type="checkbox"/>
Spare Parts		Ventura	Not Applicable	6.00-6" LE Wheel & Single Brake	4.00-6" Nose Wheel	Red	Pilot Only 2 Master Cylinders		ALIR Regulator
Tools					NW2 <input type="checkbox"/>	BL <input type="checkbox"/>	4MC <input type="checkbox"/>		PB <input type="checkbox"/>
FAQs					5.00-5" Nose Wheel	Black	Pilot+Copilot 4 Master Cylinders	Parking Brake	
Certified kits/STCs						SP <input type="checkbox"/>			
Exp. Kits						Special Color			
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 colour	Landing Gear (optional)	Accessories (order separately)	Notes
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		standard red or black color  		-SensAIR® 	
Jabiru Aircraft/ Jabiru 400/430 	SJU01 5" WheelS Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings		other colors option      		-SensAIR® 	
	SJU05 6" WheelS Wheels 6.00-6" *tires 6.00-6" Calipers/discs/pads Axles - Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings		 		-SensAIR® 	LG leg must be drilled for a fifth hole



















Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

Contacts								
Webshop								
BERINGER Aero Technology								
Amotek 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 P/N (optional)	Wheel colour	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 	
	Avions Jodel / D20 ULM 	SID01 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 modi- fication
	Avions Jodel / Jodel 1.97" axle (50mm)	SID03 6" wheels without fairings SID05 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) <u>Ask us, options available</u>	 		-SensAIR® -Datum skis mounting special parts	
		SID04 5" wheels with fairings Wheels 5.00-5" - *tires 5.00-5" Calipers/discs/pads Axles/spacers to weld Brake controls : ask us					-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 colour	Landing Gear (optional)	Accessories (order separately)	Notes
Avions Jodel / D112	SJD06 Wheels 4.00-6" - *tires 4.00-6" Calipers/discs/pads Axles	Brake controls/ Reservoirs/PKG : ask us	TW-001 (GLR tailwheel) Ask us, options available	standard red or black color  		-SensAIR® 	
Avions 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	other colors option 		-SensAIR® -Parking brake 	Other Jodel types : ask us
Joker / J300 	SJO01 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 Lever to lock/ unlock	    	-ALG L. gear + fuselage kit 	-SensAIR® -Co-pilot brake 	-installing the GLR TW may require some modi- fication
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

Auotite® 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

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

- Contacts
- Webshop
- BERINGER Aero Technology
- Amotek 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

Catalog string		Example: HLDALG6X6R4MCREG					
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)
JUST	HLD <input type="checkbox"/>	ALG <input type="checkbox"/>	6X6 <input type="checkbox"/>	Not Applicable	R <input type="checkbox"/>	2MC <input type="checkbox"/>	REG <input type="checkbox"/>
	Highlander	Alaska Landing Gear	6.00-6" SL Wheel & Dual Brake		Red	Pilot Only 2 Master Cylinders	ALIR Regulator
			7X8 <input type="checkbox"/>		BL <input type="checkbox"/>	4MC <input type="checkbox"/>	PB <input type="checkbox"/>
			7.00-8" SL Wheel & Dual Brake		Black	Pilot+Copilot 4 Master Cylinders	Parking Brake
					SP <input type="checkbox"/>		
					Special Color		



Accessories (Order Separately)
Sensair <input type="checkbox"/>
Tire Pressure Monitoring System



Catalog string		Example: SST6X6R4MCREG					
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)
JUST	SST <input type="checkbox"/>	ALG <input type="checkbox"/>	6X6 <input type="checkbox"/>	Not Applicable	R <input type="checkbox"/>	2MC <input type="checkbox"/>	REG <input type="checkbox"/>
	SuperSTOL	Not applicable	6.00-6" SL Wheel & Dual Brake		Red	Pilot Only 2 Master Cylinders	ALIR Regulator
			7X8 <input type="checkbox"/>		BL <input type="checkbox"/>	4MC <input type="checkbox"/>	PB <input type="checkbox"/>
			7.00-8" SL Wheel & Dual Brake		Black	Pilot+Copilot 4 Master Cylinders	Parking Brake
					SP <input type="checkbox"/>		
					Special Color		



Accessories (Order Separately)
Sensair <input type="checkbox"/>
Tire Pressure Monitoring System



Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

Catalog string		Example: KTF016X6R4MC					
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)
Kitfox	KTF01 <input type="checkbox"/>	SW <input type="checkbox"/> *	6X6 <input type="checkbox"/>		R <input type="checkbox"/>	2MC <input type="checkbox"/>	REG <input type="checkbox"/>
	TK1 Landing Gear	Shockwheel Landing Gear System	6.00-6" SL Wheel & Dual Brake	Not Applicable	Red	Pilot Only 2 Master Cylinders	ALIR Regulator
	KTF02 <input type="checkbox"/>		7X8 <input type="checkbox"/>		BL <input type="checkbox"/>	4MC <input type="checkbox"/>	PB <input type="checkbox"/>
	Stock Spring/ Shock Monster Gear		7.00-8" SL Wheel & Dual Brake		Black	Pilot+Copilot 4 Master Cylinders	Parking Brake
					SP <input type="checkbox"/>		
					Special Color		

* Shockwheel compatible with stock spring gear only

Accessories
(Order Separately)

Sensair ☐

Tire Pressure Monitoring System



Contacts

Webshop

BERINGER Aero Technology

Autotest 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

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

Contacts
Webshop
BERINGER Aero Technology
AeroPatents
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 P/N (optional)	Wheel colour	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 	
Lancair / Calima T90 			AV-LANC-430 Wheel 4.00.5" Axle			-SensAIR® 	

Catalog string		Example: LAN34X5NWR4MCPB						Accessories (Order Separately)
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)	
Lancair	LAN3 □		4X5 □	NW □	R □	2MC □	REG □	
	320/360 RLG	Not Applicable	5.00-5" HL Wheel & Single Brake	4.00-5" Nosewheel	Red	Pilot Only 2 Master Cylinders	ALIR Regulator	
			5X5 □ 5.00-5" HL Wheel & Single Brake		BL □ Black	4MC □ Pilot+Copilot 4 Master Cylinders	PB □ Parking Brake	
					SP □ Special Color			





Experimental/Non Certified wheel/brake kits

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Catalog string		Example: LAN25X5NWR4MCPB					
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)
Lancair	LAN2 <input type="checkbox"/>		5X5 <input type="checkbox"/>	NW <input type="checkbox"/>	R <input type="checkbox"/>	2MC <input type="checkbox"/>	REG <input type="checkbox"/>
	Legacy/Barra-cuda	Not Applicable	5.00-5" HL Wheel & Single Brake	4.00-5" Nosewheel	Red	Pilot Only - 2 Master Cylinders	ALIR Regulator
					BL <input type="checkbox"/>	4MC <input type="checkbox"/>	PB <input type="checkbox"/>
					Black	Pilot+Copilot - 4 Master Cylinders	Parking Brake
					SP <input type="checkbox"/>		
					Special Color		




Catalog string		Example: LAN46X6NWR4MCPB					
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)
Lancair	LAN4 <input type="checkbox"/>		6X6 <input type="checkbox"/>	NW <input type="checkbox"/>	R <input type="checkbox"/>	2MC <input type="checkbox"/>	REG <input type="checkbox"/>
	Lancair IV	Not Applicable	6.00-6" HE Wheel & Single Brake	5.00-5" Nosewheel	Red	Pilot Only 2 Master Cylinders	ALIR Regulator
					BL <input type="checkbox"/>	4MC <input type="checkbox"/>	PB <input type="checkbox"/>
					Black	Pilot+Copilot 4 Master Cylinders	Parking Brake
					SP <input type="checkbox"/>		
					Special Color		

Contacts

Webshop

Accessories
(Order Separately)

BERINGER Aero
Technology

Sensair ☐

Airtec Patents

Tire Pressure Monitoring System

History/ Values

Wheels/Brakes

Nose-Tailwheels

SensAIR®

Tires

Wheel Axles

Landing Gears
ALG/B'Flex
Shock Wheel

Accessories
(Order Separately)

Hoses/Fittings

Sensair ☐

Brake Controls
Rudd'Air Pedals

Tire Pressure Monitoring System

Regulators
Anti-skid

Parking Valves

Spare Parts

Tools

FAQs

Certified kits/STCs

Exp. Kits













They trust us




Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits





















Contacts
Webshop
BERINGER Aero Technology
Amotif® 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)	Wheel colour	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  		-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	other colors option      		-SensAIR® 	Non certified kit

Catalog string		Example: M16SW4X6NW1HBL						Accessories (Order Separately)
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)	
MAGNI	M16 <input type="checkbox"/>	SW <input type="checkbox"/>	4X6 <input type="checkbox"/>	NW1 <input type="checkbox"/>	R <input type="checkbox"/>	HB <input type="checkbox"/>	L <input type="checkbox"/>	Sensair <input type="checkbox"/>
	M16 Trainer / M22 Voyager	Shockwheel Landing Gear System	4.00-6" SL Wheel & Single Brake	3.50-4" Nosewheel - 123mm Fork	Red	Hand Brake Master Cylinder	Pressure Limiter	Tire Pressure Monitoring System
	M24 <input type="checkbox"/>		6X6 <input type="checkbox"/>	NW2 <input type="checkbox"/>	BL <input type="checkbox"/>			SpeedAIR <input type="checkbox"/>
	M24 Orion		6.00-6" SL Wheel & Single Brake	3.50-4" Nosewheel - 143mm Fork	Black			Wheel Pant/ Fairing
				NW3 <input type="checkbox"/>	SP <input type="checkbox"/>			
				4.00-6" Nosewheel	Special Color			



















* 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 colour	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 		-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		other colors option 	-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](#)
[Aurore 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](#)

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

<div>Contacts</div> <div>Webshop</div> <div>BERINGER Aero Technology</div> <div>Amotif® Patents</div> <div>History/ Values</div> <div>Wheels/Brakes</div> <div>Nose-Tailwheels</div> <div>SensAIR®</div> <div>Tires</div> <div>Wheel Axles</div> <div>Landing Gears ALG/B'Flex Shock Wheel</div> <div>Hoses/Fittings</div> <div>Brake Controls Rudd'Air Pedals</div> <div>Regulators Anti-skid</div> <div>Parking Valves</div> <div>Spare Parts</div> <div>Tools</div> <div>FAQs</div> <div>Certified kits/STCs</div> <div>Exp. Kits</div> <div>They trust us</div>	Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel colour	Landing Gear (optional)	Accessories (order separately)	Notes
	Nando Gropo 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 <i>(GLR tailwheel)</i> 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 L. 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		AV-GROP-620 <i>(GLR tailwheel)</i> 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

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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel colour	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 colour  		-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](#)
[Autote® Patents](#)
[History/ Values](#)
[Wheels/Brakes](#)
[Nose-Tailwheels](#)
[SensAIR®](#)
[Tires](#)
[Wheel Axles](#)
[Landing Gears
ALG/B'leX
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](#)



















Experimental/Non Certified wheel/brake kits

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Catalog string		Example: PIPSV4X6NW1R4MCPB						Accessories (Order Separately)
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)	
Pipistrel	PIPSV <input type="checkbox"/>	SW <input type="checkbox"/>	4X6 <input type="checkbox"/>	NW1 <input type="checkbox"/>	R <input type="checkbox"/>	2MC <input type="checkbox"/>	REG <input type="checkbox"/>	Sensair <input type="checkbox"/>
	Sinus/Virus	Shockwheel Landing Gear System	4.00-6" SL Wheel & Single Brake	3.50-4" Nosewheel - 168mm Fork	Red	Pilot Only 2 Master Cylinders	ALIR Regulator	Tire Pressure Monitoring System
				NW2 <input type="checkbox"/>	BL <input type="checkbox"/>	4MC <input type="checkbox"/>	PB <input type="checkbox"/>	SpeedAIR <input type="checkbox"/>
				3.50-4" Nosewheel - 130mm Fork	Black	Pilot+Copilot 4 Master Cylinders	Parking Brake	Wheel Pant/Fairing
				NW3 <input type="checkbox"/>	SP <input type="checkbox"/>			
				3.50-4" Nosewheel - 115mm Fork	Special Color			



* 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 colour	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 		-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		other colors option  		-SensAIR® -Parking brake -Co-pilot brakes 	
Platzter / 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 	
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

Avio® Patents

History/ Values

Wheels/Brakes

Nose-Tailwheels

SensAIR®

Tires

Wheel Axles

Landing Gears
ALG/B'leX
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

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

<div>Contacts</div> <div>Webshop</div> <div>BERINGER Aero Technology</div> <div>Amotek Patents</div> <div>History/ Values</div> <div>Wheels/Brakes</div> <div>Nose-Tailwheels</div> <div>SensAIR®</div> <div>Tires</div> <div>Wheel Axles</div> <div>Landing Gears ALG/B'Flex Shock Wheel</div> <div>Hoses/Fittings</div> <div>Brake Controls Rudd'Air Pedals</div> <div>Regulators Anti-skid</div> <div>Parking Valves</div> <div>Spare Parts</div> <div>Tools</div> <div>FAQs</div> <div>Certified kits/STCs</div> <div>Exp. Kits</div> <div>They trust us</div>	Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel colour	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 or OEM axle screwed AV-RANS-031 fork 6.14"/156mm Wheel 4.00-6" * tire - Axle or TW-002 (GLR tailwheel) Wheel 3.50-4" *tire 4.00-4" Tailwheel support Lever to lock/ unlock	standard red or black color   other colors option      	-Shock Wheel -SPEED'AIR fairings 	-SensAIR® -Co-pilot brakes <i>except S7</i> -Parking brake  	- GLR groundloop resistant tailwheel installation may require some modi- fications. - A GLR type with smaller wheel is also available with tire 2.80/2.50-4"
	Rans / Coyote S6 1st type	SRA01 SRA06 axle 0.83" Wheels 6.00-6" Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs Regulator Brake lines/fittings				-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	SRA06 Wheels 6.00-6" *tires 6.00-6" Calipers/discs/pads Axles - Wheel caps	ask us Brake lines/fittings				-SensAIR® 	

















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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel colour	Landing Gear (optional)	Accessories (order separately)	Notes
Roko Airplanes Roko NG4 	SMS01 Wheels 4.00-6" *tires 15.6.00-6" 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 avai- lable
Rotor Flight Dynamics / Dominator 	SDO02 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](#)
[Aurore 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](#)

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

<div>Contacts</div> <div>Webshop</div> <div>BERINGER Aero Technology</div> <div>Amotek Patents</div> <div>History/Values</div> <div>Wheels/Brakes</div> <div>Nose-Tailwheels</div> <div>SensAIR®</div> <div>Tires</div> <div>Wheel Axles</div> <div>Landing Gears ALG/B'Flex Shock Wheel</div> <div>Hoses/Fittings</div> <div>Brake Controls Rudd'Air Pedals</div> <div>Regulators Anti-skid</div> <div>Parking Valves</div> <div>Spare Parts</div> <div>Tools</div> <div>FAQs</div> <div>Certified kits/STCs</div> <div>Exp. Kits</div> <div>They trust us</div>	Aircraft Make/Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel colour	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 colour	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 6" wheels Wheels 4.00-6" Calipers/discs/pads Axles Wheel caps	1x master cylinder Reservoir Parking brake Limiter Brake lines/fittings				-SensAIR® 	
	SAB02 5" wheels 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

Autote 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

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

<div>Contacts</div> <div>Webshop</div> <div>BERINGER Aero Technology</div> <div>Amotek Patents</div> <div>History/ Values</div> <div>Wheels/Brakes</div> <div>Nose-Tailwheels</div> <div>SensAIR®</div> <div>Tires</div> <div>Wheel Axles</div> <div>Landing Gears ALG/B'Flex Shock Wheel</div> <div>Hoses/Fittings</div> <div>Brake Controls Rudd'Air Pedals</div> <div>Regulators Anti-skid</div> <div>Parking Valves</div> <div>Spare Parts</div> <div>Tools</div> <div>FAQs</div> <div>Certified kits/STCs</div> <div>Exp. Kits</div> <div>They trust us</div>	Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel colour	Landing Gear (optional)	Accessories (order separately)
	Tecnam / P2002	STP05 Wheels 5.00-5" *tires 5.00-5" Calipers/discs/pads Axles Wheel caps	1x master cylinder Extender Reservoir Limiter Brake lines/fittings	STP02A Wheel 4.00-6" *tire 4.00-6" Axle	standard red or black color  		-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 or AV-TEC-231 fork 5.06" 128.5mm Wheel 4.00-6" - * tire 6.00-6" Axle or AV-TEC-232 fork 5.41" 137.5mm Wheel 4.00-6" - *tire 4.00-6" Axle	other colors option     		-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 or AV-TEC-232 fork 5.41" 137.5mm Wheel 4.00-6" - *tire 4.00-6" - Axle or AV-TEC-630 fork 5.41" 137.5mm Wheel 3.50-4" - *tire 4.00-4" -Axle	   	-Shock Wheel -SPEED'AIR fairings 	-SensAIR® 
	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® 

* 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 colour	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 		-SensAIR® 
TL Ultralight / Sting Carbon 	SSC01 Wheels 4.00-5" *tires 11x4.00-5" Calipers/discs/pads Axles/Parts - Wheel caps	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 or AV-STING-032 fork 5.71" 145mm Wheel 3.50-4" - Axle	other colors option 	Shock Wheel <i>dimensions and drawing of the spring leaves must be checked</i>	-SensAIR® -Co-pilot brakes -Parking brake 
	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		     		-SensAIR® -Co-pilot brakes -Parking brake 
Sting carbon <i>Leaf gear special drilling</i>	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 <i>Leaf gear 31mm + fairings</i>	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

Aviatic 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














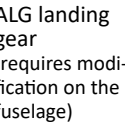




They trust us

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

Contacts								
Webshop								
BERINGER Aero Technology								
Amotek 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 P/N (optional)	Wheel colour	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  		-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		other colors option 		-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® 	
	Ulb/ / 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 Lever to lock/ unlock	 	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 colour	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	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	GLR groundloop resistant TW : ask us		ALG landing gear (requires modification on the fuselage) 		
	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					
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

Autote 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

Experimental/Non Certified wheel/brake kits

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Contacts	Tires are optional and not part of the standard kits								
Webshop	Catalog string		Example: RV106X6NWR4MCPB						
BERINGER Aero Technology	Aircraft make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)	Accessories (Order Separately)
Amotek® Patents	Van's	RV10 <input type="checkbox"/>		6X6 <input type="checkbox"/>	NW <input type="checkbox"/>	R <input type="checkbox"/>	4MC <input type="checkbox"/>	REG <input type="checkbox"/>	Sensair <input type="checkbox"/>
History/ Values		RV10 Tricycle Gear	Not Applicable	6.00-6" HE Wheel & Single Brake	5.00-5" Nosewheel	Red	Pilot+Copilot 4 Master Cylinders	ALIR Regulator	Tire Pressure Monitoring System
Wheels/Brakes	 					BL <input type="checkbox"/>		PB <input type="checkbox"/>	
Nose-Tailwheels						Black		Parking Brake	
SensAIR®						SP <input type="checkbox"/>		DEL <input type="checkbox"/>	
Tires						Special Color		Brake Line Delete	
Wheel Axles									



Example: RV145X5R4MCREG									
Hoses/Fittings	Catalog string								
Brake Controls Rudd'Air Pedals	Aircraft make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)	Accessories (Order Separately)
Regulators Anti-skid	Van's	RV14 <input type="checkbox"/>		5X5 <input type="checkbox"/>		R <input type="checkbox"/>	4MC <input type="checkbox"/>	REG <input type="checkbox"/>	Sensair <input type="checkbox"/>
Parking Valves		RV14 Taildragger	Not Applicable	5.00-5" HL Wheel & Single Brake	Not Applicable	Red	Pilot+Copilot 4 Master Cylinders	ALIR Regulator	Tire Pressure Monitoring System
Spare Parts				6X6 <input type="checkbox"/>		BL <input type="checkbox"/>		PB <input type="checkbox"/>	
Tools				6.00-6" HE Wheel & Single Brake		Black		Parking Brake	
FAQs						SP <input type="checkbox"/>		DEL <input type="checkbox"/>	
Certified kits/STCs						Special Color		Brake Line Delete	
Exp. Kits									
They trust us									



Experimental/Non Certified wheel/brake kits

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Catalog string		Example: RV14A5X5NWR4MC					
Aircraft make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)
Van's	RV14A <input type="checkbox"/>		5X5 <input type="checkbox"/>	NW <input type="checkbox"/>	R <input type="checkbox"/>	4MC <input type="checkbox"/>	REG <input type="checkbox"/>
	RV14 Tricycle Gear	Not Applicable	5.00-5" HL Wheel & Single Brake	5.00-5" Nosewheel	Red	Pilot+Copilot 4 Master Cylinders	ALIR Regulator
					BL <input type="checkbox"/>		PB <input type="checkbox"/>
					Black		Parking Brake
					SP <input type="checkbox"/>		DEL <input type="checkbox"/>
					Special Color		Brake Line Delete



Catalog string		Example: RVXA5X5NWR2MCPB					
Aircraft make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)
Van's	RVX <input type="checkbox"/>		5X5 <input type="checkbox"/>	NW <input type="checkbox"/>	R <input type="checkbox"/>	2MC <input type="checkbox"/>	REG <input type="checkbox"/>
	RV4/6/7/9 Taildragger	Not Applicable	5.00-5" HL Wheel & Single Brake	5.00-5" Nosewheel	Red	Pilot Only 2 Master Cylinders	ALIR Regulator
	RVXA <input type="checkbox"/>				BL <input type="checkbox"/>	4MC <input type="checkbox"/>	PB <input type="checkbox"/>
	RV4A/6A/7A/8A/9A Tricycle Gear				Black	Pilot+Copilot 4 Master Cylinders	Parking Brake
					SP <input type="checkbox"/>		
					Special Color		



Contacts

Webshop

BERINGER Aero Technology

Aviotech 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

















Experimental/Non Certified wheel/brake kits

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Catalog string		Example: RV85XR4MCREG						Accessories (Order Separately)
Aircraft make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)	
Van's	RV8 <input type="checkbox"/>		5X5 <input type="checkbox"/>		R <input type="checkbox"/>	4MC <input type="checkbox"/>	REG <input type="checkbox"/>	Sensair <input type="checkbox"/>
	RV8 Taildragger	Not Applicable	5.00-5" HL Wheel & Single Brake	Not Applicable	Red	Pilot+Copilot - 4 Master Cylinders	ALIR Regulator	Tire Pressure Monitoring System
			6X6 <input type="checkbox"/>		BL <input type="checkbox"/>		PB <input type="checkbox"/>	
			6.00-6" HE Wheel & Single Brake		Black		Parking Brake	
					SP <input type="checkbox"/>		DEL <input type="checkbox"/>	
					Special Color		Brake Line Delete	



* 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 colour	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 		-SensAIR® 	
Velocity XL 			SVE01A Fork 5.77" 146.5mm Wheel 5.00-5" * tire 5.00-5" Axle	 other colors option		-SensAIR® 	
Zenith Aircraft/ CH601 	SZH05 or SZH08 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 <i>Taildragger</i> GLR grounloop resistant TW	     	-Shock Wheel - SPEED' AIR fairings	-SensAIR® -Pedal brakes (to be checked depending on the airplane type) 	
Zenith Aircraft/ 601UL 601XL	Please contact us anyway. There are several possibilities depending on the type of gear, the fork ...		AV-ZENI-630 <i>Taildragger</i> GLR grounloop resistant TW				
Zenith Aircraft/ CH650B-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

Auotite® 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

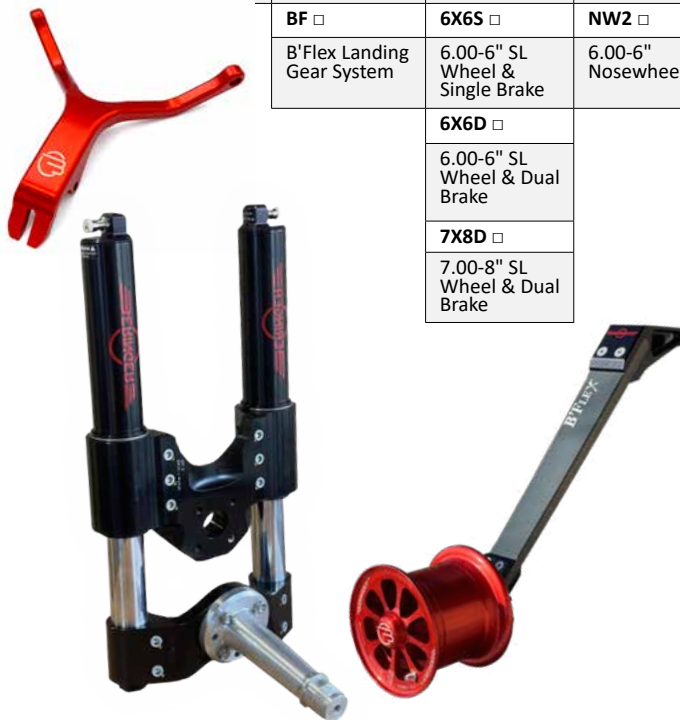
Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits




















- Contacts
- Webshop
- BERINGER Aero Technology
- Amotek 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

Catalog string		Example: CH7016X6DNW2R4MCPB					
Aircraft Make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)
Zenith	CH701 <input type="checkbox"/>	SW <input type="checkbox"/>	4X6 <input type="checkbox"/>	NW1 <input type="checkbox"/>	R <input type="checkbox"/>	2MC <input type="checkbox"/>	REG <input type="checkbox"/>
	STOL CH701	Shockwheel Landing Gear System	4.00-6" SL Wheel & Single Brake	4.00-6" Nosewheel	Red	Pilot Only 2 Master Cylinders	ALIR Regulator
		BF <input type="checkbox"/>	6X6S <input type="checkbox"/>	NW2 <input type="checkbox"/>	BL <input type="checkbox"/>	4MC <input type="checkbox"/>	PB <input type="checkbox"/>
		B'Flex Landing Gear System	6.00-6" SL Wheel & Single Brake	6.00-6" Nosewheel	Black	Pilot+Copilot 4 Master Cylinders	Parking Brake
			6X6D <input type="checkbox"/>		SP <input type="checkbox"/>		
			6.00-6" SL Wheel & Dual Brake		Special Color		
			7X8D <input type="checkbox"/>				
			7.00-8" SL Wheel & Dual Brake				

Accessories (Order Separately)
Sensair <input type="checkbox"/>
Tire Pressure Monitoring System



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Aircraft Make/ Model	Wheel/Brake package P/N	Brake controls (included)	Nose/Tailwheel P/N (optional)	Wheel colour	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 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	2x master cylinders Reservoirs Brake lines/fittings	Tailwheel : ask us			-SensAIR® -Co-pilot brakes -Parking brake -ALIR regulator 	Non certified kit
Zlin Aviation / Savage-Norden <u>original Axle</u> <u>Ø 0.98" 25mm</u>	SSA01 for tires ≤29" Wheels 6.00-6" 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 Lever to lock/ unlock 		ALG landing gear 	-SensAIR® -Co-pilot brakes -Parking brake - Special axle for DATUM skis 	The diameter of the OEM axle must be check
  	SSA02 for tires >29" Wheels 6.00-6" Freins Etriers DUAL/discs/pads Axles - Wheel caps SSA10 8" Wheels 7.00-8" Calipers/discs/pads Axles - Wheel caps SSA07 8" DUAL Wheels 7.00-8" Freins DUAL Calipers/discs/pads Axles - Wheel caps	2x master cylinders Reservoirs ALIR regulator Brake lines/fittings 2x master cylinders Reservoirs ALIR regulator Brake lines/fittings					

Contacts

Webshop

BERINGER Aero
Technology

AudiPat 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

Experimental/Non Certified wheel/brake kits

* Tires are optional and not part of the standard kits

Contacts
Webshop
BERINGER Aero Technology
Amotek 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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Catalog string		Example: SVG0110TWR2MCPB						
Aircraft make	Aircraft Model	Landing Gear (optional)	Wheel & Brake Package	Tailwheel/Nose wheel (optional)	Wheel Color	Controls	Options (Check all that apply)	
Zlin Aviation	SVG01 <input type="checkbox"/>	ALG <input type="checkbox"/>	6X6S <input type="checkbox"/>	TW <input type="checkbox"/>	R <input type="checkbox"/>	2MC <input type="checkbox"/>	REG <input type="checkbox"/>	
	Zlin Savage OE Axle Diameter 25mm	Alaska Landing Gear - Cub	6.00-6" SL Wheel & Single Brake	3.50-4" Ground Loop Resistant Tailwheel	Red	Pilot Only 2 Master Cylinders	ALIR Regulator	
	SVG02 <input type="checkbox"/>	ALGB <input type="checkbox"/>	6X6D <input type="checkbox"/>		BL <input type="checkbox"/>		PB <input type="checkbox"/>	
	Zlin Savage OE Axle Diameter 19.5mm	Alaska Landing Gear - Bobber	6.00-6" SL Wheel & Dual Brake		Black		Parking Brake	
			7X8D <input type="checkbox"/>		SP <input type="checkbox"/>			
			7.00-8" SL Wheel & Dual Brake		Special Color			
			10 <input type="checkbox"/>					
			8.50-10" LE Wheel & Single Brake					

Accessories (Order Separately)
Sensair <input type="checkbox"/>
Tire Pressure Monitoring System




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[BERINGER Aero Technology](#)
[Aurore 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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We thank D. Delemarie and JM. Urlacher for the photos

40

BERINGER

Years of excellence

1985



1999

1987



2006

1990



2015

1991



2022

1996



2016