SAFETY TOOLS allmet

EX-certified Grinding tools

User Manual Grinding Tools

II 2G Ex h IIA T3 Gb
DNV 25 ATEX 78565X



Cut the heat - Cut the risk

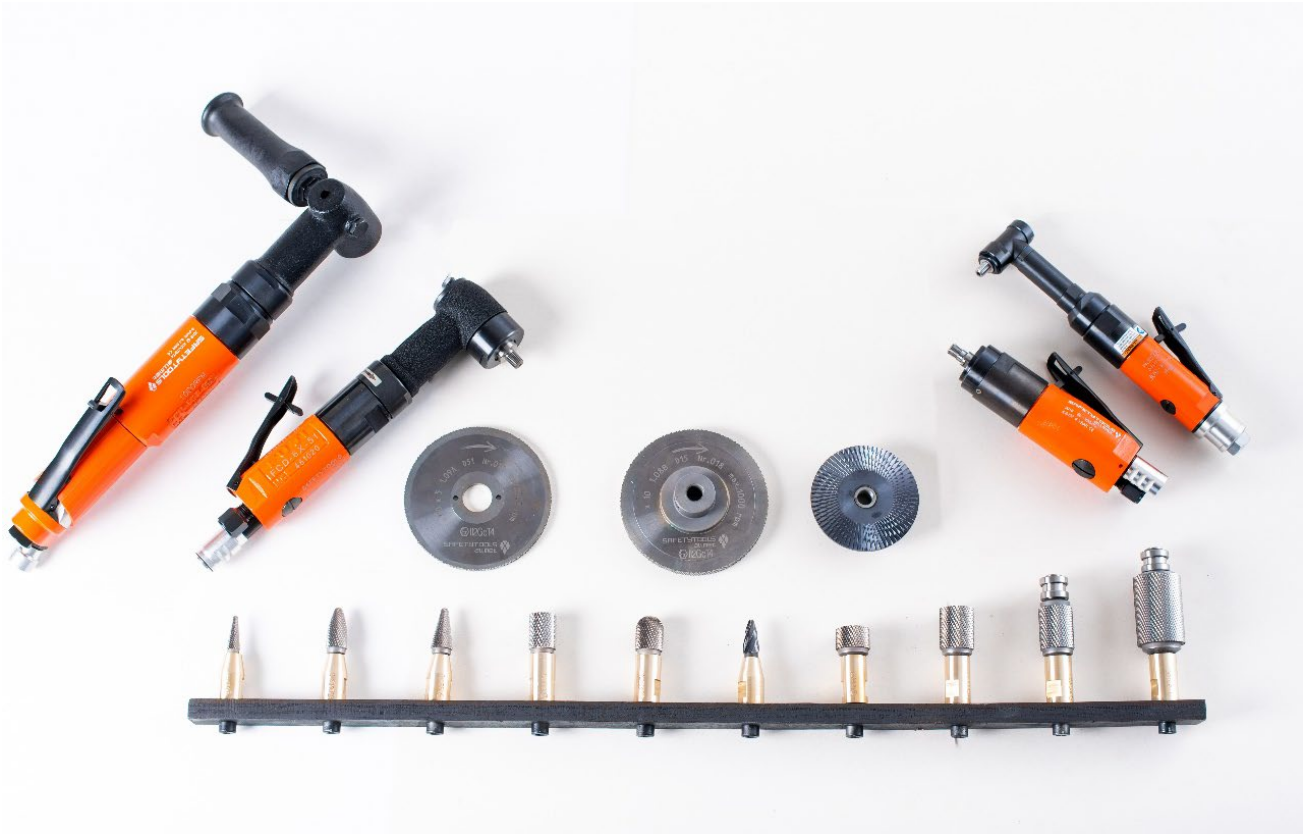
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STA-UM-GRIND-001

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Document No.: STA-UM-GRIND-001
Revision: 02
Revision date: 22 October 2026
Language: English (Original instructions)



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Introduction to the user manual

Always keep this Manual in a safe and accessible place
Keep this instruction manual for future reference. Do not remove or allow any labels or markings on the equipment to become obscured.

Important safety information

Read these instructions thoroughly before use. Failure to do this may result in serious injury. The user of this equipment must be competent in its use. The equipment shall only be used in accordance with applicable ATEX regulations and local safety legislation and is checked thoroughly before use. The equipment must only be used for its intended purpose and be maintained regularly.

Safety is a primary consideration when using Safety Tools equipment. The tools should be used correctly with a good understanding of how to use the tools safely. The tools, attachments and accessories shall only be used for their intended purpose as described in this manual. Use outside the defined operating conditions is prohibited. Read and fully understand all the instructions before installing, using, servicing, or maintaining the equipment. Tool training is highly recommended before operating the equipment. Training may be provided by Safety Tools Allmet or an authorized agent.

WARNING

Before installing, operating, servicing, or maintaining the equipment, read and fully understand this manual.

This equipment is designed for material removal using the rotating files and grinding discs specified in this manual.

Before servicing the pneumatic tool, the compressed air supply must be disconnected, isolated, and all residual pressure released.
All metal fragments and debris must be removed from the rotating files and grinding discs before use.

Disposal

When disposing of components, lubricants, etc., ensure the relevant safety procedures are carried out.
Wolfram carbide rotating files and discs can be re-cut multiple times, contact Safety Tools Allmet or your local agent for more information.

Air Pressure

The maximum permitted air supply pressure is 6.3 bar (90 psi). Regulate the compressed air supply so that this limit is not exceeded at the tool inlet. Use a stable supply of clean, dry compressed air suitable for pneumatic tools.
For use in potentially explosive atmospheres, the tool shall be earthed through an approved conductive or dissipative air supply hose. The resistance from the tool to earth shall be less than 1 MΩ.

Before use, inspect all hoses, fittings and connections for damage, wear and leakage. Ensure that connections are correctly installed and securely engaged. Do not use damaged or deteriorated hoses or fittings. Where claw couplings are used, fit suitable hose restraints to prevent hose whipping if a connection separates.

Shut off and isolate the air supply and release residual pressure before disconnecting hoses, changing accessories or carrying out maintenance. Never carry or lift the tool by its air hose.

Lubricate the tool with pneumatic tool oil according to the maintenance instructions.

Cutting Temperatures

Safety Tools Allmet grinding systems have been tested by Gexcon under controlled and worst-case conditions.
Surface temperatures may vary depending on application, material type, load and operating conditions. The system shall only be used within the certified configuration and operating limits described in this manual.
The grinding system does not require any water cooling.

Approved Materials (ATEX)

The Safety Tools Allmet ATEX Grinding Tools may be used on the following materials:

- Stainless steel grades 304 and 316
- Carbon steels
- 6Mo stainless steel
- Titanium
- Aluminium

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Maintenance

Inspect the tool regularly and arrange a full overhaul after 1,000 operating hours, provided it has been lubricated regularly. Earlier inspection or servicing is required if the tool shows signs of wear, damage or malfunction.
Stop using the tool immediately if unusual noise, excessive vibration, visible runout, loose components or a defective start/stop mechanism is detected. Do not return the tool to service until the fault has been corrected and its operation checked.
Before cleaning, dismantling or servicing, shut off and isolate the compressed air supply, release residual pressure and disconnect the tool.
Maintenance and repairs may be performed by personnel with sufficient knowledge and competence for the work. If this competence is not available, send the tool to Safety Tools Allmet or a competent service provider. Use only original Fuji replacement parts.
Reused original parts must be inspected and found suitable before installation.

Inspection after a drop or impact
Disconnect the compressed-air supply and release residual pressure before inspection.
Check the tool, guard, fitted accessory and attachments for damage. Inspect the control lever, safety interlock, spring and retaining pins for damage, displacement or loose parts.
With the air supply disconnected, check that the safety interlock prevents the control lever from being operated until deliberately released, and that both return correctly when released.
If any damage or malfunction is found, or there is doubt about the tool's condition, do not reconnect the air supply. Have the tool inspected and repaired by competent service personnel.
If these checks are satisfactory, perform a controlled no-load functional check in a safe position before returning the tool to use.

Lubrication

Use oil intended for pneumatic tools. **Do <u>not</u> use** WD-40 Multi-Use Product or other general-purpose sprays as a substitute for pneumatic tool oil.
For a normal working day, apply one drop of pneumatic tool oil into the air inlet:
• Before starting work.
• At the midday break.
• At the end of the working day.
Disconnect the air supply before adding oil. Lubrication after use is particularly important before storage. Avoid excessive oiling.

Checks after servicing

• Check that the tool is correctly assembled and all fasteners are secure.
• Check that the safety interlock prevents accidental operation and that releasing the lever stops the tool.
• Measure the no-load speed without a file or disc and compare it with the applicable speed limit.
• Check for air leaks, unusual noise and abnormal vibration.
• Refit the correct file or disc, handle and guard, where applicable, and check for secure mounting and smooth operation.

A-0107 Fuji Straight Grinder (FG-2VX-50)



A-0104 Fuji Angle Grinder (FCD-6X-51)



A-0105 Fuji Angle Grinder (FCD-10X-52)



A-0108 Fuji Angle Grinder (FAS-1X-50)



Motor speeds

The grinding files and discs are certified for use only with the following ATEX-certified air tools:

Motor type	RPM	Max air pressure	Air hose diameter
(A-0105) Fuji FCD-10X-52	1000	6.3 Bar	9.5mm (3/8 inch)
(A-0104) Fuji FCD-6X-51	2000	6.3 Bar	9.5mm (3/8 inch)
(A-0107) Fuji FG-2VX-50	3000	6.3 Bar	9.5mm (3/8 inch)
(A-0108) Fuji FAS-1X-50	2000	6.3 Bar	9.5mm (3/8 inch)

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Noise

The following results are reported in Multiconsult report 10276817-01-RIA-RAP-001, Revision 02, dated 13 October 2026, for the tested grinding configurations.
The A-0105 results apply to grinding with the A-0500 disc without water. Safety Tools Allmet has identified this as the configuration referred to as “cutting without water” in the report.

Air tool	Average A-weighted sound pressure level at 1 m	A-weighted sound power level LWA	C-weighted peak sound pressure level LC peak near the operator
A-0107	75 dB(A)	87 dB(A)	105 dB(C)
A-0108	72 dB(A)	84 dB(A)	106 dB(C)
A-0104	74 dB(A)	86 dB(A)	97 dB(C)
A-0105	74 dB(A)	86 dB(A)	99 dB(C)

Measurements were performed using the method described in NS-EN ISO 3746:2010. The average sound pressure levels at 1 m were calculated from measurements around the equipment. The reported final values for average sound pressure level, sound power level and C-weighted peak sound pressure level already include the report’s 3 dB uncertainty margin.
The average sound pressure level at 1 m is not a measurement of the operator’s personal noise exposure. Actual exposure depends on the working position, material, accessory, operating time, surrounding environment and other noise sources.
The employer shall assess noise exposure and implement appropriate protective measures.
Use hearing protection where required by the exposure assessment or site instructions. Maintain the tool and stop operation if abnormal noise develops. Avoid positioning the tool so that exhaust air is directed towards the operator’s or another person’s ears.

Vibration Analysis HAV

The following frequency-weighted vibration total values are reported in Multiconsult report 10276817-01-RIA-RAP-001, Revision 02, dated 13 October 2026, for the tested grinding configurations.

Air tool	Main grip (m/s²)	K – main grip (m/s²)	Support grip (m/s²)	K – support grip (m/s²)
A-0107	2.2	0.3	2.2	0.3
A-0108	1.1	0.2	2.2	0.3
A-0104	1.5	0.2	Not separately reported	—
A-0105 with A-0500, without water	1.7	0.2	2.3	0.3

Measurements followed NS-EN ISO 5349-2:2001/A1:2015 during loaded operation. Each value applies to the stated grip; values from different grips must not be added together or averaged.
These results describe the tested configurations. Actual vibration exposure may differ depending on the file or disc, workpiece, working method, grip, tool condition and duration of use. The reported values do not establish a guaranteed safe operating time.
K is the expanded measurement uncertainty associated with each vibration total value. Multiconsult reports an expanded relative uncertainty of 14%, using a coverage factor of k = 2 and a confidence level of approximately 95%. The K values are reproduced with the rounding used in the report and are stated separately from the measured vibration total values.

Inspect the tool and accessory before use. Stop immediately if abnormal vibration or visible runout occurs. Do not continue working with a damaged, loose or incorrectly mounted accessory.
The employer shall assess daily vibration exposure and organise the work accordingly. The reported values do not establish a guaranteed safe operating time. If numbness, tingling or pain occurs, stop operation and seek medical advice.

Posture

The grinding tools are designed for hand-held operation. Maintain secure footing, a balanced posture and full control of the tool throughout operation. Secure the workpiece against unintended movement.
Hold the tool with both hands, keeping both hands clear of the rotating file, disc, spindle and any rotating extension.

- A-0107: Hold the machine body and the A-0061 support handle where fitted. When operating without the support handle, maintain a secure two-handed grip on the machine body.
- A-0108: Use the A-0060RB support handle.
- A-0104: Maintain a secure two-handed grip. The A-0061 support handle may be used. The A-0060 handle can still be used but is no longer in supply.
- A-0105 with A-0500 GDP disc: Use the support handle and keep the A-0065 guard securely fitted.

Keep one hand positioned to operate and release the start/stop lever. Do not hold or support the tool by gripping a rotating extension or accessory.
Do not overreach. Before working overhead, vertically or in confined spaces, assess whether a stable position and controlled tool movement can be maintained. Arrange hoses so that they do not pull on the tool or interfere with the operator’s footing.

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Protective Equipment



Wear personal protective equipment suitable for the task, workpiece material, coating and working environment. Follow the requirements below together with the site's safety instructions.

As a minimum, the following PPE shall be used during operation:

Equipment	Requirement
Eye and face protection	Wear impact-resistant safety goggles and a face shield during grinding. A face shield alone does not replace eye protection.
Protective gloves	Wear close-fitting protective gloves suitable for handling the tool, sharp fragments and the workpiece. Keep gloves clear of all rotating parts.
Hearing protection	Use hearing protection where required by the noise exposure assessment or site instructions.
Respiratory protection	Use suitable respiratory protection where required by the assessment of the material, coating and airborne contaminants. Select the type and protection level for the identified hazard.
Safety footwear	Wear protective footwear suitable for the work area and the risk of falling objects or sharp fragments.
Safety helmet	Wear a safety helmet where required by the work activity or site instructions.
Work clothing	Wear close-fitting work clothing. Secure long hair and remove jewellery or loose items that could become entangled.

Keep other persons clear of the working area. Anyone exposed to flying fragments shall wear suitable eye and face protection.
The files incorporate chip breakers and typically produce chips and larger fragments. This does not exclude the generation of fine particles or hazardous airborne contaminants from the workpiece or coating. Do not assume that the process is dust-free.
Assess the need for ventilation, extraction or other exposure controls before starting work. Personal protective equipment supplements these controls.

Special Hazard Conditions

Projectile Hazards

- Chips, coating fragments and broken accessory parts can cause injury. Wear the eye and face protection specified under Protective Equipment. Keep other persons clear and use barriers where necessary. Inspect the file or disc before use. Do not use accessories with cracks, broken cutting sections, loose components or damaged connections.

- For A-0105 with the A-0500 GDP disc, keep the A-0065 guard and support handle securely fitted. Position the guard between the operator and the exposed disc wherever the working arrangement permits.

- Check free-running speed periodically using a suitable, calibrated tachometer. Do not exceed the applicable maximum speed specified for the tool and accessory combination or the conditions of safe use.

Entanglement Hazards

- Keep hands, gloves, clothing, jewellery and hair clear of the rotating file, disc, spindle and extensions. An extension rotates with the spindle and shall never be used as a hand support.
- Release the start/stop lever and wait until all rotation has stopped before putting the tool down. Never attempt to stop a rotating accessory by hand or by pressing it against another object.

Mounting Hazards

- Shut off the air supply, release residual pressure and disconnect the tool before fitting, removing, tightening or adjusting any accessory.
- Use only the tool, accessory and adapter combinations specified in this manual. Follow the relevant mounting instructions and extension limits. Do not force incompatible threads or modify connections.
- Check that the accessory, handles and guard are securely mounted. Remove all mounting tools before reconnecting the air supply.

Operating Hazards

- Maintain a stable working position and a secure two-handed grip. Secure the workpiece against unintended movement.
- Do not strike the workpiece with the file or disc, apply excessive force or use the accessory as a lever. Stop immediately if abnormal vibration, noise, runout or damage develops.
- The safety interlock prevents direct operation of the start/stop lever until the interlock is moved. It does not isolate the compressed-air supply. Never bypass the interlock or lock the lever in the operating position.
- If the air supply is interrupted, release the lever immediately. Holding the lever down can allow the tool to restart when the air supply returns. Disconnect the tool before investigating the interruption.
- After a drop or impact, inspect the complete assembly as described under Preparation. Do not resume operation with damaged or loose components.

Workplace Hazards

- Assess the workpiece and any paint, coating or wrapping before starting. Follow the applicable material restrictions and conditions of safe use.
- Remove accumulated dust before work and promptly remove chips, coating fragments and other residues during and after the task. Use a cleaning method appropriate for the material and site conditions.
- Grinding may release hazardous substances from coatings or the underlying material. Provide ventilation, extraction and respiratory protection as required by the exposure assessment.
- Avoid transferring embedded metal residues between different workpiece materials. In particular, prevent aluminium or other soft-metal residues from contaminating accessories subsequently used on steel. Use separate accessories where necessary.
- Direct exhaust air away from people and accumulated dust. Exhaust direction can be adjusted on A-0104, A-0107 and A-0108. A-0105 has a fixed exhaust arrangement.
- A customer-fitted exhaust sleeve does not by itself collect particles generated at the grinding contact point and shall not be treated as a substitute for suitable exposure controls.

Air Supply and Connection Hazards

- Compressed air can cause serious injury. Never direct compressed air towards yourself or another person.
- Inspect hoses and couplings before use. Damaged hoses or unsecured connections can cause hose whipping. Use suitable hose restraints where required by the connection type, particularly with claw couplings.
- Do not exceed 6.3 bar at the tool. Use a regulated supply of clean, dry compressed air and lubricate the tool as described under Maintenance.
- Before disconnecting a hose or performing maintenance, shut off the supply and safely release residual pressure.
- For use in potentially explosive atmospheres, maintain the specified conductive or dissipative connection to earth. Resistance to earth shall be less than 1 MΩ. Do not assume that an ordinary air hose or an unverified metallic connection provides adequate electrical continuity.
- Operate within the specified ambient temperature range of −20°C to +40°C and observe the additional conditions of safe use below.

Special Conditions of Safe Use per DNV

The grinding system is covered by certificate DNV 25 ATEX 78565X, Issue 1, with the marking:

1) The Grinding Tools can be used against the following materials: Stainless steel grades 304/316, carbon steels, 6Mo stainless steel, titanium, and aluminium.

2) The air tools shall be earthed through a conductive or dissipative air supply hose with a resistance to earth of less than 1 MΩ. Maximum allowed air supply pressure is 6.3 bar.

3) The rotating file A-0010 – Rough boy shall only be used with the A-0108 air tool with a maximum rotational speed of 2000 RPM.

4) The minimum usable diameter of re cut burrs of grinding tool is 0.1 mm and the maximum usable diameter is 35mm.

5) All recutting must be performed exclusively by Safety Tools Allmet to ensure adherence to the exact tooth design and proprietary know-how of the burrs and discs.

Pictures used in this manual might vary from the actual product.

- Maximum running air supply pressure shall be set to 6.3 bar.
- The certified system configuration shall not be modified.

Notes on legacy marking
Older equipment may carry markings referencing an earlier certificate, such as II2GcT3. Use this equipment within the scope and conditions of its applicable certification.

The marking specified in DNV 25 ATEX 78565X, Issue 1, is II 2G Ex h IIA T3 Gb.

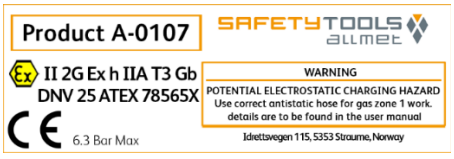
When combining equipment with different certificate references or markings, verify that the complete configuration is covered for the intended use. Contact Safety Tools Allmet if clarification is required.

Product markings
Markings for air tools and discs and burrs may vary some in design but should contain this information:

Air Tool Marking:





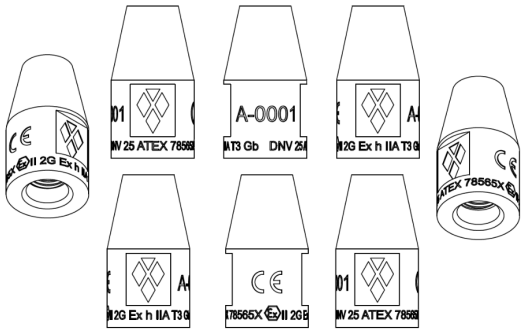




Grinding disc marking: (A-0500)



Rotating Files:
All Rotating burrs A-0001, A-0002, A-0003, A-0004, A-0005, A-0006, A-0007, A-0008, A-0009B, A-0009C, and A-0010RB are marked as follows:



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Preparation

Before Startup

- Assess the task, workpiece material, coatings and working environment before starting. Follow site instructions and the applicable conditions of safe use in this manual.

- Remove accumulated dust and unnecessary obstructions from the work area. Provide adequate lighting, ventilation and any additional exposure controls required for the material or coating being removed. Wear the personal protective equipment specified in this manual and by the site.

- Before each use, with the air supply disconnected, check that the safety interlock prevents the lever from being pressed until the interlock is deliberately released. Check that both the interlock and the lever return correctly when released. Inspect the spring, pins and lever for corrosion, damage, loose parts and abnormal wear. Do not use the tool if the interlock or return function is defective. Have it repaired by competent service personnel before further use. Repeat these checks after a drop or impact and after servicing.

Check that:

- The air tool, file or disc, adapter, handles and guard are suitable for the intended combination and show no signs of damage.
- The file or disc has no cracks, broken cutting sections or loose components.
- Threaded connections and fasteners are secure.
- The start/stop lever and its safety interlock move freely and are undamaged.
- Hoses and couplings are undamaged and securely connected.
- The air supply is regulated so that pressure at the tool does not exceed 6.3 bar.

For use in potentially explosive atmospheres, verify that the equipment marking and the conditions of safe use are suitable for the location and task. Use the specified conductive or dissipative hose arrangement and ensure resistance to earth is less than 1 MΩ.

After a drop or impact, disconnect the air supply and inspect the complete assembly, including the start/stop lever, safety interlock, handles, guard and accessory. Do not use damaged equipment. If its condition is uncertain, have it checked by a competent person before further use.

Working Position

- Secure the workpiece and establish a stable working position before connecting the air supply. Route hoses clear of walkways, sharp edges and moving parts.
- Do not lift or carry the tool by its hose. Fit suitable hose restraints where required for the coupling arrangement, particularly when using claw couplings.

Assembling the Tool

- Shut off the air supply, release residual pressure and disconnect the tool before fitting, removing or adjusting accessories.
- Select the correct file or disc and follow the model-specific mounting instructions. Use the specified spanners and hold the spindle or adjacent connection as instructed. Remove all spanners and other mounting tools before connecting the air supply.

Observe the following configuration limits:

- A-0107: Use one A-0066D extension for normal extended-reach work. A second extension may be used when necessary for access. Do not use more than two extensions.

- A-0108: Use A-0009C or A-0010RB with the A-0060RB support handle. Extensions are not permitted.

- A-0104: A maximum of one A-0066D extension is recommended.

- A-0105: For grinding with the A-0500 GDP disc, fit the A-0065 guard and the support handle.

Do not apply thread-locking compound to the removable connections between the machine spindle, A-0066D extension and file assembly. The permanent file-to-adapter connection is a separate assembly and shall follow its specified assembly procedure.

Extensions are intended for paint removal and limited steel removal in difficult-to-reach areas. Do not use extensions for heavy steel removal or apply excessive pressure. Observe the extension limits specified for the tool model. Extensions may increase vibration. Stop if abnormal vibration, visible runout or loose connections occur. Disconnect the air supply before inspection or retightening. Never grip the rotating extension.

Pictures used in this manual might vary from the actual product.

Ready for Use
Lubricate the tool as described under Maintenance.
Before connecting the air supply, release the start/stop lever and keep the file or disc clear of the workpiece and surrounding objects.
To start the tool, first move the safety interlock out of its blocking position, then press the start/stop lever towards the machine body.

The lever must remain pressed during operation. Releasing it stops the air supply to the motor. Do not defeat the interlock or secure the lever in the operating position.

Hold the assembled tool securely and carry out a no-load trial run for approximately 30 seconds, keeping the rotating accessory clear of people and objects. Check for visible runout, abnormal vibration, unusual noise, loose connections and air leaks. Release the lever and check that the tool stops.

Do not use the tool if the safety interlock or start/stop function is defective, or if any other abnormal condition is found.
Starting and Grinding

Start the tool with the file or disc clear of the workpiece. Allow it to reach operating speed before making controlled contact.
Use moderate pressure and maintain a secure two-handed grip. Do not strike the workpiece with the file or disc, force the tool or use the accessory as a lever.

Keep hands, gloves, loose clothing, jewellery and hair clear of rotating parts. Do not touch the accessory or attempt to stop it by hand.
Stop immediately if abnormal vibration, noise, visible runout or damage develops. Disconnect the air supply before inspecting or adjusting the tool.

If the air supply is interrupted, release the start/stop lever immediately. Disconnect the tool before investigating the interruption to prevent unexpected rotation when the air supply returns.

Wait until all rotation has stopped before putting the tool down. Disconnect the air supply before changing accessories, leaving the tool unattended or taking an extended break.

After Use
Shut off the air supply, release residual pressure and disconnect the tool.

Clean and inspect the tool and accessory. Remove accumulated fragments, coating residues and other grinding debris promptly from the workplace, using a method appropriate for the material and site conditions.

Lubricate the tool in accordance with Maintenance, including the end-of-day oiling. Store the equipment clean, dry and protected from damage.

Follow the inspection and overhaul intervals specified under Maintenance.

Pictures used in this manual might vary from the actual product.

All Safety Tools Allmet Air Tools are exclusively made and only available through Safety Tools Allmet or the authorized Safety Tools agent in your region.

A-0107 FUJI STRAIGHT GRINDER (FG-2VX-50)



Prod.no.	Speed	Ref. no	⚖ (g)	Air inlet
A-0107	3000 rpm	FG-2VX-50	894	1/4" NPT

A-0104 FUJI ANGLE GRINDER (FCD-6X-51)



Prod.no.	Speed	Ref. no	⚖ (g)	Air inlet
A-0104	2000 rpm	FCD-6X-51 2000	1700	1/4" NPT

A-0108 Fuji Angle Grinder (FAS-1X-50)



Prod.no.	Speed	Ref. no	⚖ (g)	Air inlet
A-0108	2000 rpm	FAS-1X-50	842	1/4" NPT

A-0105 Fuji Angle Grinder (FCD-10X-52)



Prod.no.	Speed	Ref. no	⚖ (g)	Air inlet
A-0105	1000 rpm	FCD-10X-52	2400	1/4" NPT

A-0107 Fuji Straight Grinder (FG-2VX-50)

The A-0107 Fuji Straight Grinder is designed for use with rotating files A-0001 through A-0009B.

The tool is supplied with the A-0061 handle.

Technical Specifications:
- Maximum rotational speed: 3000 RPM
- Air consumption: 0.34 m³/min
- Length: 224 mm
- Diameter: 44 mm

A-0104 Fuji Angle Grinder (FCD-6X-51)

The tool is compatible with rotating files A-0001 through A-0009B.
The A-0061 handle can also be fitted to this tool.

Technical Specifications:
- Maximum rotational speed: 2000 RPM
- Air consumption: 0.34 m³/min
- Length: 293 mm
- Diameter: 44 mm

A-0108 Fuji Angle Grinder (FAS-1X-50)

The A-0108 Fuji Angle Grinder is designed for use with rotating files A-0009C and A-0010RB.

Technical Specifications:
- Maximum rotational speed: 2000 RPM
- Air consumption: 0.3 m³/min
- Length: 245,5 mm
- Diameter: 36 mm

A-0105 Fuji Angle Grinder (FCD-10X-52)

The A-0105 Fuji Angle Grinder is designed for use with the Grinding Disc for Paint (GDP) A-0500.

Technical Specifications:
- Maximum speed: 1000 RPM
- Air consumption: 0.50 m³/min
- Length: 377 mm
- Diameter: 50 mm

Pictures used in this manual might vary from the actual product.

ACCESSORIES



A-0060 Handle

Use with air Engine A-0108 & A-0104 on the file A-0009B/C

** Is no longer supplied as standard product.*



A-0205 Dor Clamp 4mm

Use for locking the spindle of the A-0108 Fuji Angle Grinder (FAS-1X-50)



A-0060RB Handle
Use with Safety Tools air tool A-0108 and the A-0009C and A-0010RB.



A-0203 17mm Spanner is used to loosen and tighten the grinding files A-0001 to A-0010, fasten on the brass adaptor of the rotating files.



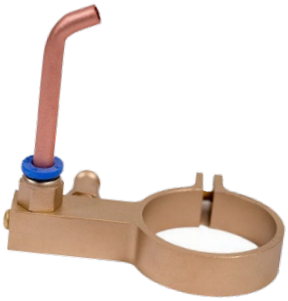
A-0207 6mm Allen Key is used for the Rough Boy Handle (A-0060RB) and Support Handle for Straight Grinder (A-0107)



A-0065 Covering
Use with A-0105 Fuji Angle Grinder (FCD-10X-52). Covering for the A-0500 GDP disc.



A-0200 10mm Spanner
Used to Loosen and Tighten Grinding Files to A-0107 Fuji Straight Grinder (FG-2VX-50)



A-0062 Cooling cap.
Use with A-0107 Fuji Straight Grinder (FG-2VX-50)

The A-0062 is <u>not required</u> for the Atex certification. Grinding tools do not require water cooling.



A-0061 Included with the A-0107 Fuji Straight Grinder (FG-2VX-50)

Offers extra support when grinding with the A-0107 straight grinder.

Can also be used on the A-0104 Fuji Angle Grinder (FCD-6X-51).



A-0066D 100mm extender

100mm extender for use on A-0107 air tool.



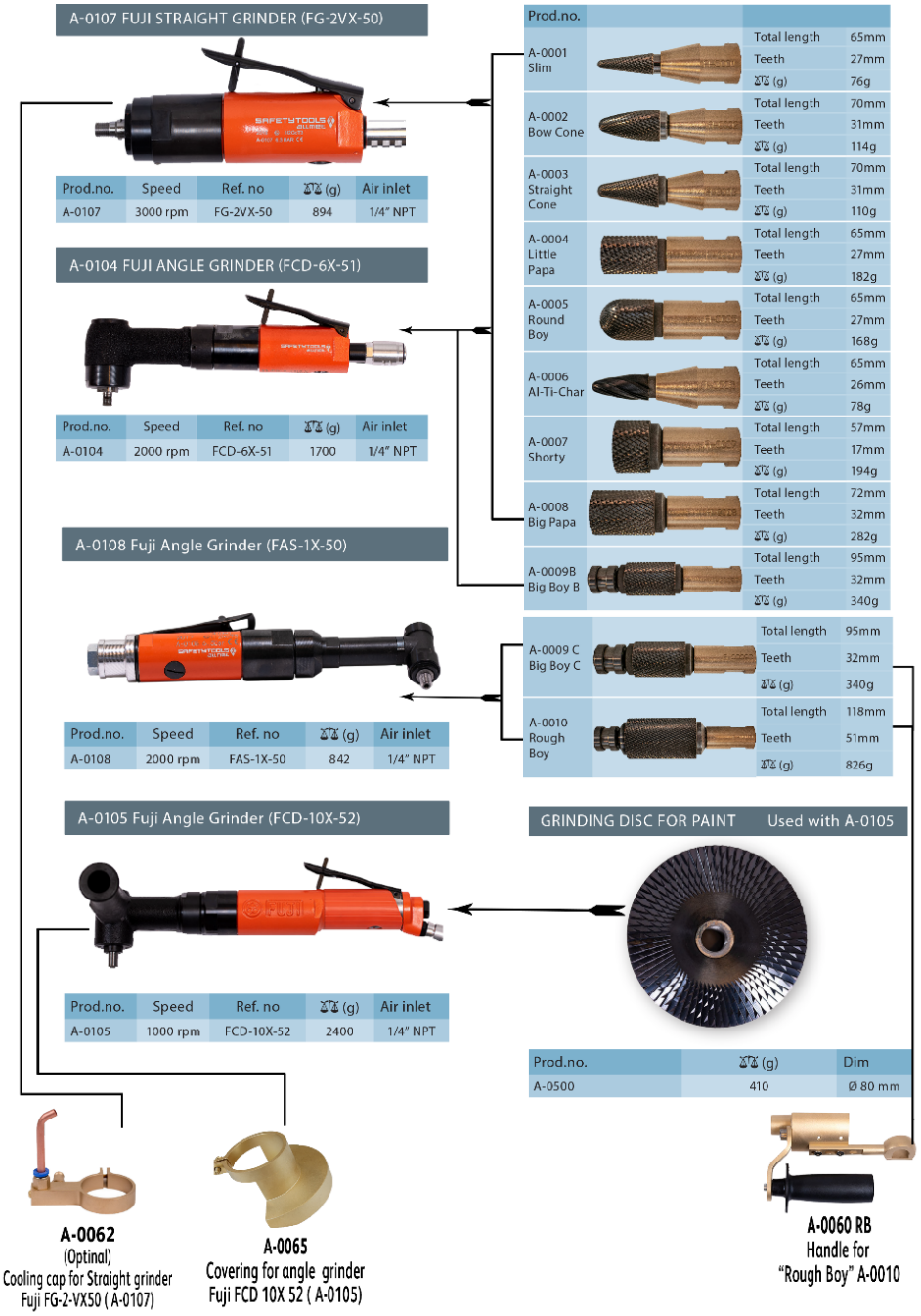
19 & 22 mm spanner

Attach and remove the **A-0500 Paint Removal Disc** using the **A-0204 - 19mm Thin Spanner** *(for the spindle)*

and A-0208 - 22mm Spanner *(for the disc's hub)*

Pictures used in this manual might vary from the actual product.

Tool and Accessory Compatibility



Air tool	Handle and guard arrangement	A-0066D extension(s)
A-0107	A-0061 removable support handle. Follow the two-handed grip instructions under Posture.	One extension for normal extended-reach work. A second may be used when necessary for access. Maximum two.
A-0108	A-0060RB support handle required.	Extensions are not permitted.
A-0104	A-0061 support handle may be fitted. The A-0060 handle can still be used but is no longer supplied.	A maximum of one extension is recommended.
A-0105 with A-0500	Support handle and A-0065 guard required.	Extensions are not permitted.

Use the correct adapter and mounting arrangement for each file. Physical fit alone does not establish compatibility.
Extensions rotate with the spindle. Never grip an extension or use it as a hand support while the tool is connected to the air supply.

Follow the model-specific assembly instructions before connecting the air supply.

Pictures used in this manual might vary from the actual product.

Air tools - Introduction

Air tools shall be properly cleaned and maintained after each use.
Follow the inspection, lubrication and overhaul requirements in the Maintenance section.

Safety Tools rotating files and discs shall be properly cleaned and maintained after each use.

All excess metal fragments must be removed from files and discs before use. Soft metals such as aluminum may generate sparks when mixed with other metals. Safety Tools Allmet recommends using separate files and discs for different material types.

Air supply safety

The air supply must always be disconnected when:
• Attaching or removing files or discs
• Cleaning or maintaining Safety Tools equipment

Do not exert excessive force during grinding. The files are solid and designed to operate most efficiently with moderate pressure.

A-0107 Straight Grinder

A-0107 Straight Grinder - Mounting

Left Picture

- Straight Grinder (A-0107)
- Rotating files A-0001 to A-0008
- 10mm Spanner (A-0200)
- 17mm Spanner (A-0203)
- 6mm Allen Key (A-0207)
- Handle for Straight Grinder (A-0061)

Right Picture
To attach and remove grinding files to Ex Straight Grinder, use 10mm spanner and 17mm spanner as shown below. Make sure the file is appropriately tightened before use.

This Air tool can be fitted with an optional support handle A-0061. To remove and attach, use the A-0207 - 6mm Allen key.
Make sure the handle is attached and tightened correctly before use.





Pictures used in this manual might v

A-0108 Angle Grinder

A-0108 - Mounting

Below is the Safety Tools Angle Grinder (A-0108) used with Grinding File (A-0010RB and A-0009C). These are the only two rotating files that work with this air tool. While using the Angle Grinder (A-0108) and the Grinding Files (A-0009C – A-0010RB) - always have the A-0060RB handle mounted.

Picture no.1 and 2

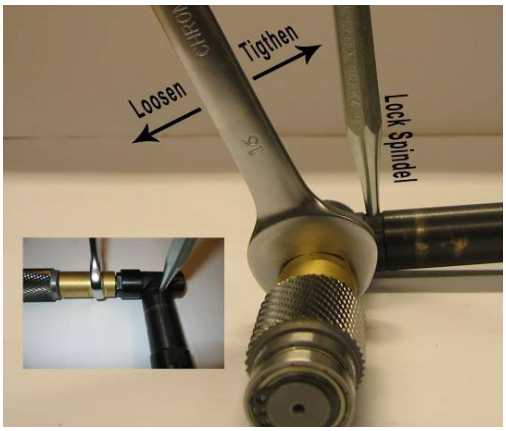
- Angle Grinder (A-0108)
- Grinding File (A-0009C) and (A-0010RB)
- 17mm Spanner (A-0203)
- 4mm Mandrel (A-0205)
- Handle (A-0060RB)
- 6mm Allen key (A-0207)



Picture no.3

Mounting procedure

- Lock spindle with the mounting pin (A-0205)
- Loosen / Tighten grinding file with 17mm spanner (A-0203)



Original bracket



Alternative angle bracket



1. Assemble the unit as normal.
2. Replace the original A-0060RB bracket with the optional angle bracket.
3. Ensure all bolts are tightened before use.

Pictures used in this manual might vary from the actual product.

STA-UM-GRIND-001
A-0104 Angle Grinder

Left Picture

- Angle Grinder (A-0104)
- Files A-0001 to A-0009B
- 17mm Spanner (A-0203) x 2

Right Picture

- To attach and remove grinding files to Ex Angle Grinder, use 17mm spanners as shown below. Make sure the file is appropriately tightened before use.





Example Picture

- The grinding unit with the A-0007 file is fully assembled and ready for use.



Pictures used in this manual might vary from the actual product.

STA-UM-GRIND-001
A-0105 Angle Grinder

Listed are four pictures with Accessories, Mounting Tools, and Files.

Left Picture

- Angle Grinder (A-0105)
- Grinding Disc (A-0500)
- 19mm Thin spanner (A-0204)
- 22mm spanner (A-0208)
- Flatheaded screwdriver (*not included*)
- Support Handle for (A-0105) Ex Grinding Tool (Required for use)
- Covering for Paint Removal Disc (A-0065)

Right Picture

- Attach A-0065 Covering for Paint Removal Disc with a flathead screwdriver – as shown below.



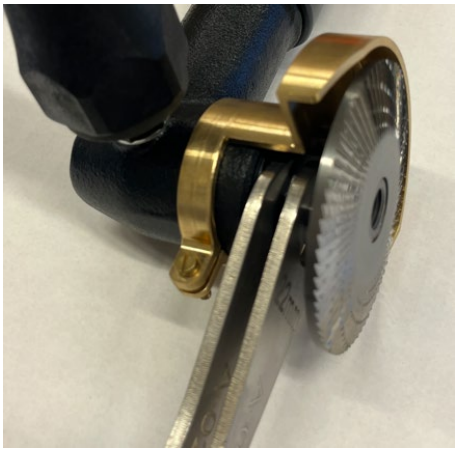


Bottom Left Picture

- Attach and remove the **A-0500 Paint Removal Disc** using the **A-0204 - 19mm Thin Spanner** *(for the spindle)* **and A-0208 - 22mm Spanner** *(for the disc's hub)*

Bottom Right Picture

- Ex Grinding Disc assembled, with the handle screwed in - Ready for use.





Pictures used in this manual might vary from the actual product.

Warning and cautions:

Warning statements describe conditions that may lead to personal injury, including serious or fatal injury, if the instructions are not followed.
Caution statements describe conditions that may lead to equipment damage or reduced service life.

Warning: Do not operate this tool until you are fully familiar with its safe operation, accessories, and safety devices. Improper use may result in serious injury. This manual defines the proper use of the equipment. For any other use, consult the manufacturer or your authorized dealer. If any part of this manual or operating procedure is unclear, seek guidance before use.

Warning: Always shut off, isolate, and disconnect the tool from the air supply when not in use or when left unattended. Discharge all residual air pressure before disconnecting.

Warning: Ensure that all rotating parts have completely stopped before placing the tool down.

Warning: Use only the air hoses and connections specified in this manual.
Refer to “Air Supply and Connection Hazards”.

Warning: Use suitable hose restraints where required for the coupling arrangement. Claw couplings shall be secured with suitable whip-check or wire restraints.

Warning: Do not exceed the maximum operating air pressure.

Warning: All excess metal fragments must be removed from files and discs before use.

Warning: Wear impact-resistant safety goggles and a face shield during grinding. A face shield does not replace eye protection. Refer to “Protective Equipment”.

Warning: Wear suitable protective gloves appropriate for the task.

Warning: Use only approved accessories and attachments in accordance with the operating instructions. Improper accessories may create hazards.

Warning: Do not wear loose clothing, jewelry, or unsecured long hair during operation. Secure long hair and remove or cover items such as ties, rings, and bracelets. Use non-slip footwear.

Warning: Maintain stable footing and balance at all times. Do not overreach. Rotating components may catch loose objects and cause injury.

Warning: Secure the workpiece adequately. Use clamps or other suitable methods where necessary.

Warning: Operate only in well-lit and adequately ventilated areas. Use respiratory protection where required due to dust or coating removal.

Warning: Do not use damaged or cracked accessories. Only use accessories in good condition.

Caution: Use the correct tool and accessory for the intended task. Do not force the tool beyond its intended application.

Caution: Store the tool in a clean and dry environment to prevent corrosion and deterioration.