

Buschmann tools
INVENTION | PRODUCTION

 ENG



 **FALZBENDER**

SKU: #0700



Designed by professionals
for professionals



The FALZ BENDER is a perfect hand-held set of two benders for quick and effortless double standing seam folding. The FALZ BENDER is suitable for several materials - stainless steel, steel, aluminum, copper and zinc.

TECHNICAL DATA

WEIGHT

RED machine - 6 kg

GREEN machine - 4.5 kg

MAX THICKNESS

STAINLESS STEEL: 0.5 mm

ALUMINUM, COPPER, ZINC: 0.8 mm

PAINTED STEEL: 0.7 mm

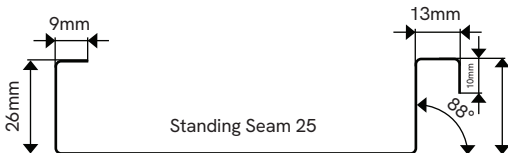
MAX SPEED

100 m² / 100 min



Any use beyond that scope shall be deemed as improper use!

PROFILE DIMENSIONS



- > You can use both tools on one sheet simultaneously and speed up making perfect standing seam profile
- > Falz benders are making perfect seam with significantly less tensions and helps to avoid curling on the roofs in comparison with profile machines
- > Revolutionary invention in roofing industry. Very first bender in the world that can make two and three folds simultaneously.
- > The tools are placed inside the Military grade cases with safety foam.



DO NOT use the case for any other purpose than carrying and storing the FALZ BENDER.
DO NOT put other tools - scissors, pliers etc. in the case!

**Protected by Military grade
case containing safety foam**

IP67 RATING

MIL SPECS DEF STAN 81-41
STANAG 4280

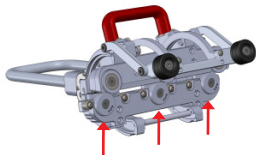
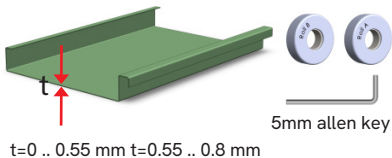


FALZ BENDER SETUP

SET UP RED TOOL

1. Select rollers according to the sheet thickness t :

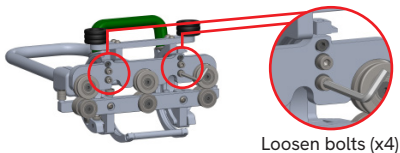
- up to 0.55 mm – rollers A
- from 0.55 to 0.8 mm – rollers B



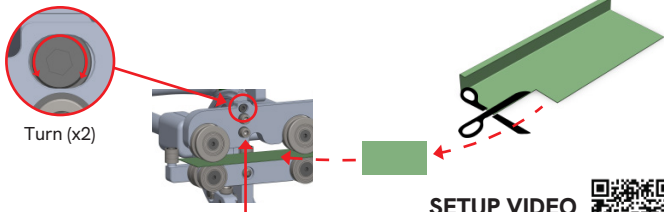
Change according to the sheet thickness

SET UP GREEN TOOL

1. Use 5 mm Allen key to loosen bolts



2. Insert metal sheet between rollers and adjust by turning bolt with 4 mm allen key into necessary direction. Turn until rollers are pressing the sheet and then loosen the grip a bit. Sheet must go freely between the rollers.



3. Tighten bolts with 5 mm allen key and test with workpiece

SETUP VIDEO
GUIDE



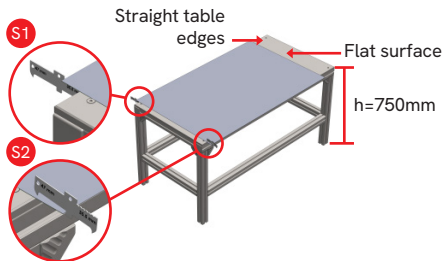
Workpiece must go freely through the rollers

SETTING UP THE WORKSPACE

1. Set up working table with flat surface. We recommend table height of 750 mm for most efficient use of the tools. Table width is calculated as sheet width minus 82 mm. Measure sheet offset from the table with provided ruler as 35.5 mm for the GREEN tool (S1) and 47 mm for RED tool (S2) and tightly attach a sheet to the table (with clamps etc) (S3).



Always wear safety gear to prevent accidents while working on rooftop!



Bender must be as close as possible to the table edge for best folding results



Always attach sheet to the table

Important safety information for operating the FALZ BENDER

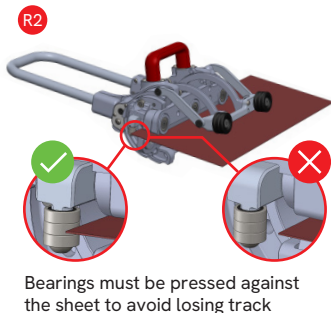
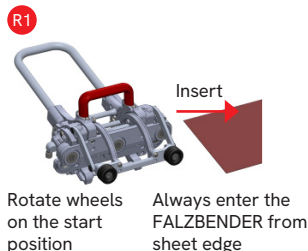
- Always use tools exactly as specified by the manufacturer in users' manuals.
- Carefully read all safety information before operating the FALZ BENDER and save them for future reference.
- As a matter of principle, any person who is in charge with the start-up, operation, maintenance and repair of the tools must have read and understood the operating instructions, specifically regarding the safety.
- When working with FALZ BENDER on a roof, always use roof lifeline and follow all safety regulations. Keep proper footing and balance at all times.
- Stay alert. Watch what you are doing. Use common sense. Do not operate tool when you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating may result in serious personal injury.
- During the work hold hands, fingers, jewelry, hair, clothes and other tools at a safe distance from rotating parts. Never place your hands, fingers or tools between the rolls or in moving parts.
- Wear adequate working clothes. Long hair should be protected by a hairnet. Put on protective gloves.
- It is strictly forbidden to put and keep a wet FALZ BENDER in case. If sand and dust accumulate around the rollers, clean them.
- Do not expose the FALZ BENDER to extreme temperatures, it is not recommended to operate the device in cold weather (below 0°C). Do not expose FALZ BENDER to rain or use it under moist or wet condition.
- This tool is not intended for use by children. Ensure that children do not have access to it.
- When FALZ BENDER and accessories are not in use, keep them in a safe place.



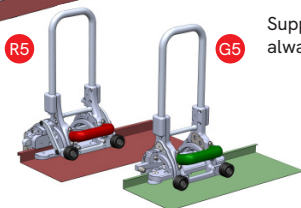
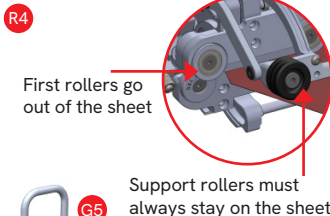
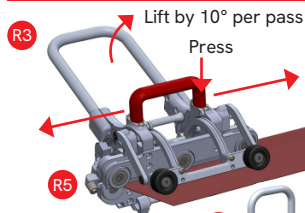
I DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury!

OPERATING THE RED FALZBENDER

2. Use RED tool to make upper seam – start with moving out the wheels and inserting the bender from the sheet edge (R1) until the sheet contact rollers (R2). Front wheels are not touching the surface yet. Start bending by simply moving bender from one sheet side to other while lifting up the handle and pushing the RED handle against sheet (R3). We recommend to add 10° on each move. First rollers must go out of the sheet to make sharp edge but front wheels must always stay on the sheet (R4)! Keep moving and lifting up the handle until you have made a perfect upper standing seam (R5).

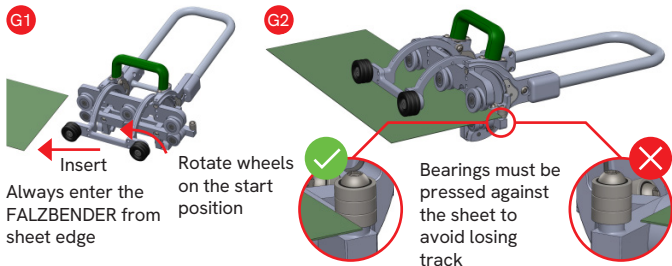


Always start bending slowly and make groove at first pass

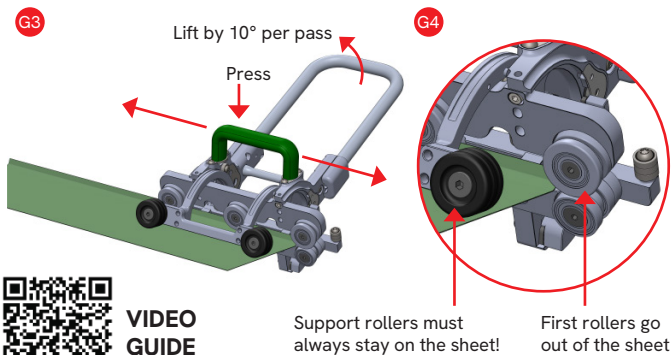


OPERATING THE GREEN FALZBENDER

3. Use GREEN tool to make underseam – start with moving out the wheels and inserting the bender from the sheet edge (G1) until the sheet contact rollers (G2). Front wheels are not touching the surface yet. Start bending by simply moving bender from one sheet side to other while lifting up the handle and pushing the GREEN handle against sheet (G3). We recommend to add 10° on each move. First rollers must go out of the sheet to make sharp edge but the front wheels must always stay on the sheet (G4)! Keep moving and lifting up the handle until you have made a perfect underseam profile (G5).



Always start bending slowly and make groove at first pass



**VIDEO
GUIDE**

OPERATING INSTRUCTIONS OF FALZBENDER

- The **FALZ BENDER** is to be operated exclusively by qualified and authorised persons who must know the national accident-prevention rules.
- **FALZ BENDER** is designed for individual use by professionals as a precision tool that requires careful handling and usage.
- Carefully remove packaging and all promotional labels before using **FALZ BENDER** for the first time.
- Obligated to check the **FALZ BENDER** for externally visible damage and defects before starting work and to notify your dealer and eliminate any changes (including the operation behavior) that may affect the safety.
- Sight-checking all screws — tighten screws if necessary.

IT IS STRICTLY FORBIDDEN TO:

- To use these tools for other uses than shaping of specified materials indicated on the instructions.
- To bend more than one metal sheet at once.
- To install, dismantle, replace and modify components, parts and equipment not provided for in this manual without written agreement from the manufacturer.

POSSIBLE OPERATION FAILURE PREVENTION

- If rolls scratch color off the metal - make sure the work area is clean from sand, dust etc...
- If rotary rolls are starting to rust - after use the tool has not been carefully cleaned.
- If the profile is curled - lift up handle less per pass. We recommend 10° per pass.
- If profile has wrong sizes - make sure that bearings are pressed against the sheet as specified in (G2) and (R2).

CARE, MAINTENANCE AND STORAGE OF FALZBENDER

- Clean the tools every time after using them.
- Clean **FALZ BENDERS** from moisture, dust and sand.
- Always keep gears clean.
- Keep the motional parts free from dust, sand and moisture.
- Check all screws periodically.
- It is strictly forbidden to put and keep wet or damp **FALZ BENDER** in the cases.

WARRANTY

We guarantee that all **FALZ BENDER** is made of high quality materials and does not have any manufacturing defects. In case your device turns up the following defects, we will eliminate them in accordance with the law free of charge. Therefore, we give 1 (one) year limited warranty on our tools from the date of invoice. Limited warranty applies only to first sale. You must contact the company that has sold the product to file claims. Be sure that you have the purchase document! The device must be delivered for repair in a complete set.

If **FALZ BENDER** is repaired by an unqualified person, we can no longer guarantee the quality of the device. Also, we cannot guarantee the quality of the device if:

- the tool is mechanically damaged, dropped off or otherwise broken;
- have been used on incorrect working methods;
- have been used with unsuitable accessories;
- the tool is used for unforeseen purposes;
- the tool is used after detection of a defect;
- the tool used by a person without the necessary skills;
- the tool was uncared for;
- the construction and parameters of the tool have been changed.

The **FALZ BENDER** is a complex combination of mechanical parts and has a lot of moving and wearing off parts. Wearing off parts are normal phenomenon, not a production defect. In result of normal usage, worn parts will not be exchanged for free. Wearing parts are: handle, protectors, gears, rolls and all other moving parts. Be sure to save the Purchase Document, Receipt and the Instructions Manual. Make sure the Device Model and Serial Number and Date of Purchase are correctly marked on the Purchase Document.



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