



BROBO GROUP®

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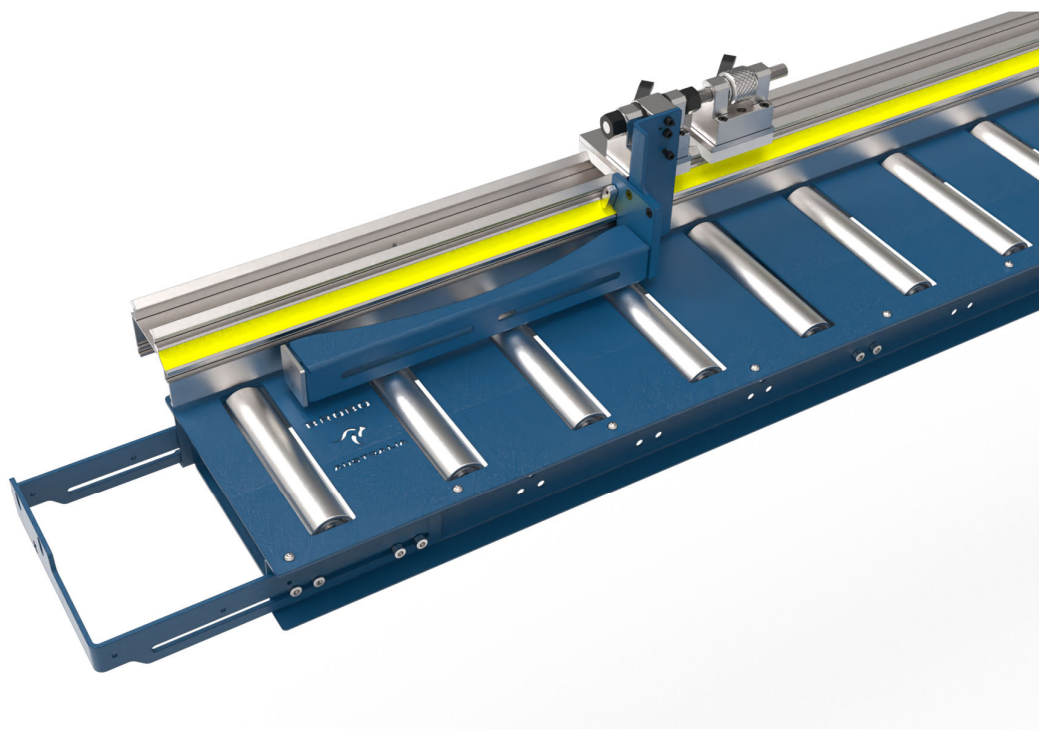
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Quality
ISO 9001

PRODUCT AND MAINTENANCE MANUAL **BROBO MANUAL LENGTH STOP**



YOUR BROBO DISTRIBUTOR IS:

-
- Precision Drilling Machines ● Tapping Machines ● Multi-Head Drills ● Tool Grinders ●
 - Tool Post Grinders ● Machine Vices ● Special Production Equipment ●
 - Accessories ● Riveting Machines ● Pedestal Grinders ● Metal Cutting Saws ● Linishers



OPERATING MANUAL FOR BROBO GROUP BROBO MANUAL LENGTH STOP

TECHNICAL SPECIFICATION

CHAPTER 1: Handling & Installation

CHAPTER 2: Safety & Accident Prevention

CHAPTER 3: Main Functions & Operation

CHAPTER 4: Adjustment

CHAPTER 5: Maintenance & Troubleshoot



TECHNICAL SPECIFICATION

STANDARD FEATURES

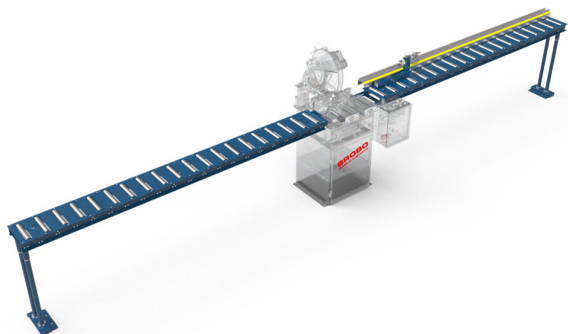
Brobo Length Stop Kit 3M

- 9701470

- Length 3m + 3m
- Width 0.4 m
- Height 1.2 m
- Weight 130 Kg

- 9701600

- Length Stop with mounting Brackets 3m
- Width 0.72 m
- Height 0.35 m
- Weight 16 Kg



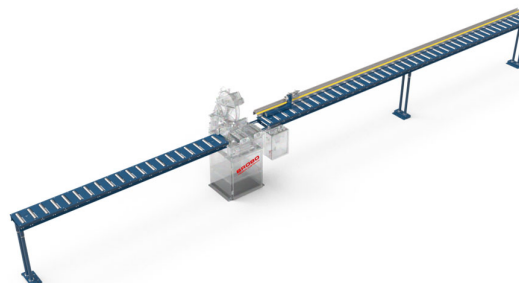
Brobo Length Stop Kit 6M

- 9701500

- Length 6m + 3m
- Width 0.4 m
- Height 1.2 m
- Weight 200 Kg

- 9701620

- Length Stop with mounting Brackets 6m
- Width 0.72 m
- Height 0.35 m
- Weight 27 Kg



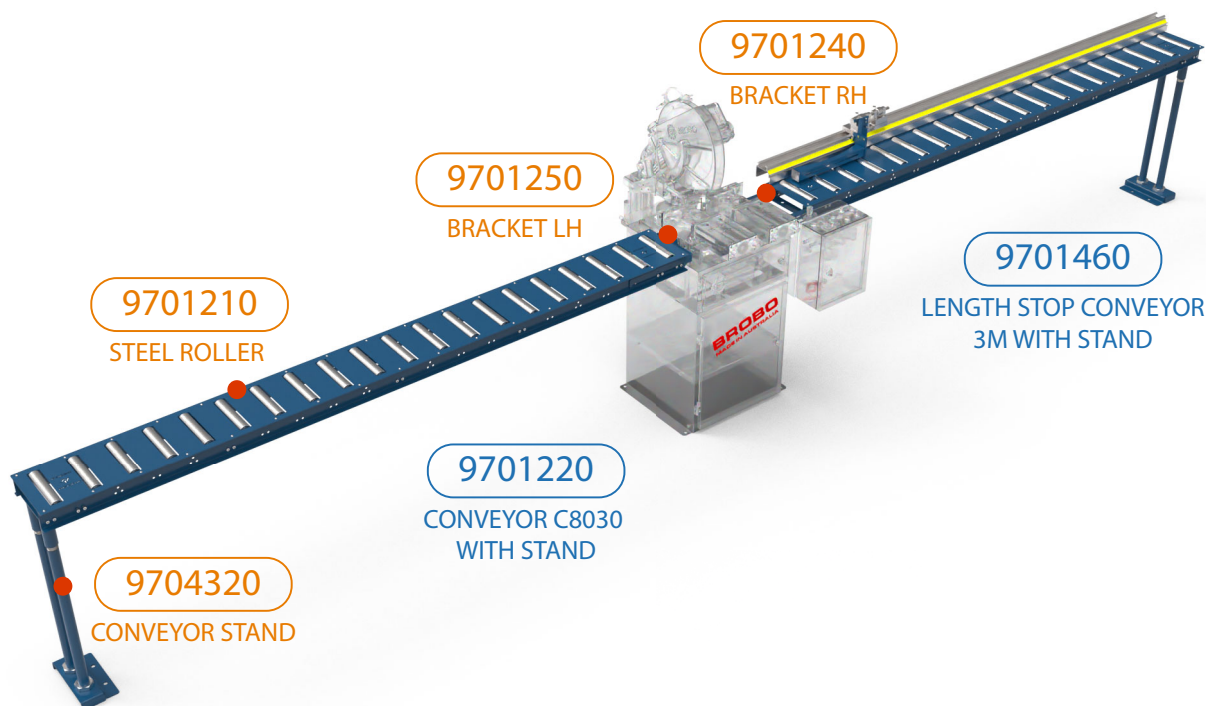
Brobo Conveyor 3M

- 9701210

- Length 3m
- Width 0.289 m
- Height 0.090 m
- Weight 45.3 Kg
- Pitch 150 mm
- Roller Capacity 60kg each
- Roller Quantity 20
- Roller load capacity is calculated on even weight distribution over entire roller
- Total load capacity is calculated on even weight distribution over entire roller conveyor system



3M



9701470 BROBO LENGTH STOP KIT 3M

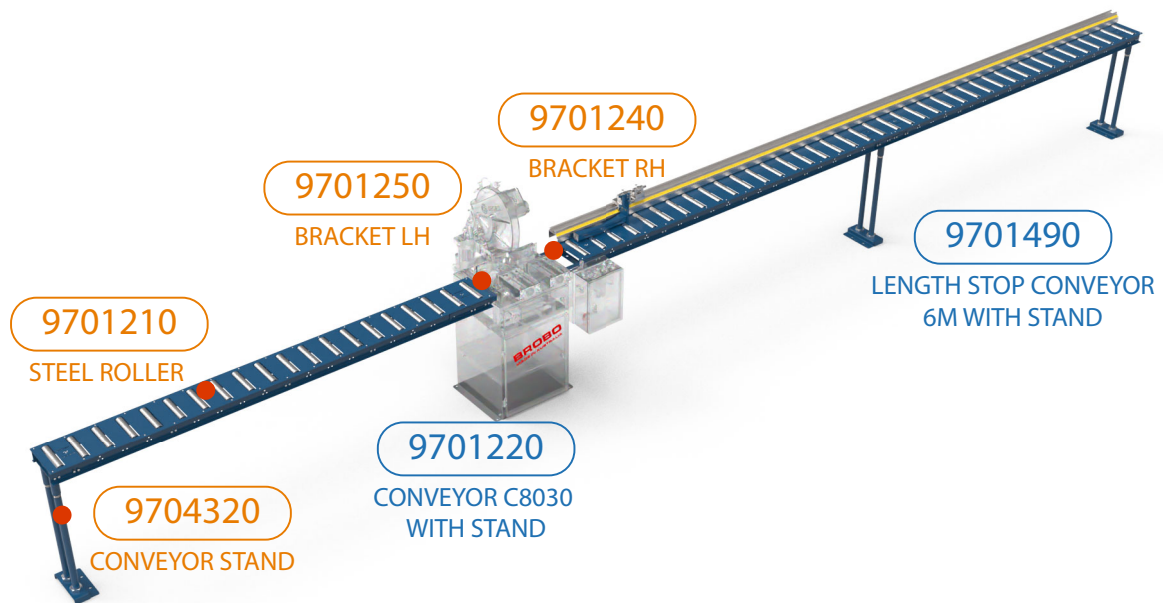


9701460 LENGTH STOP CONVEYOR 3M WITH STAND

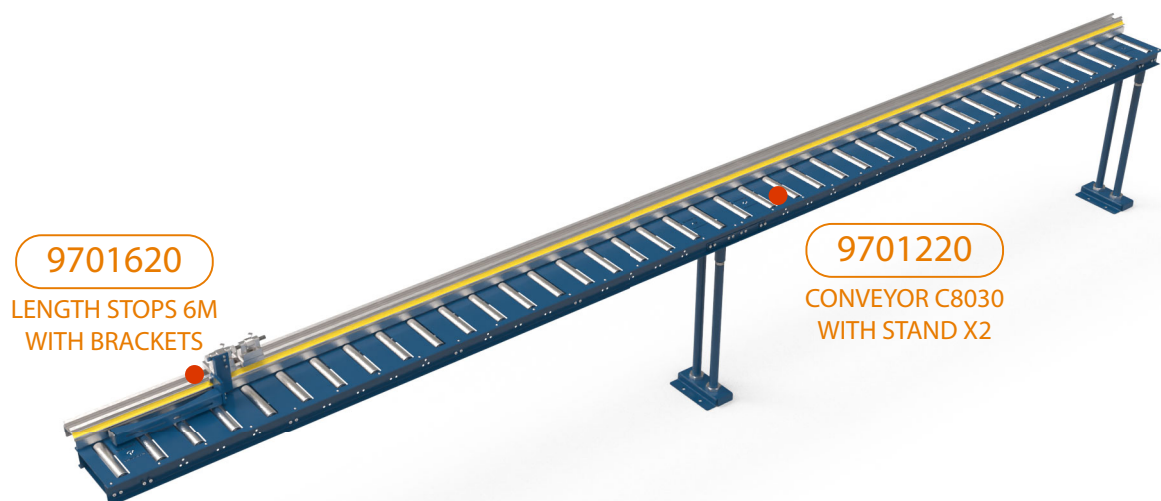


9701450 LENGTH STOP CONVEYOR 3M WITHOUT STAND

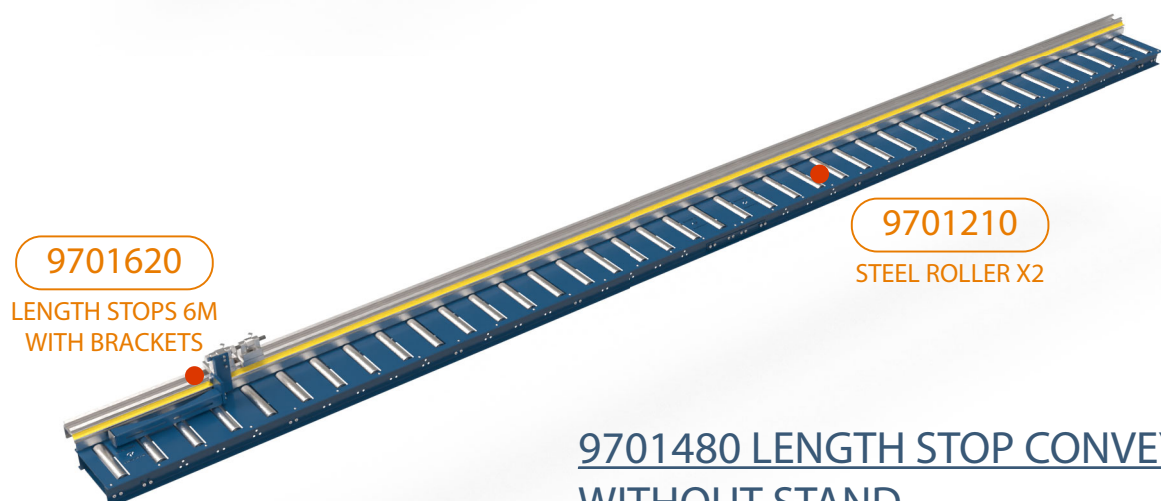
6M



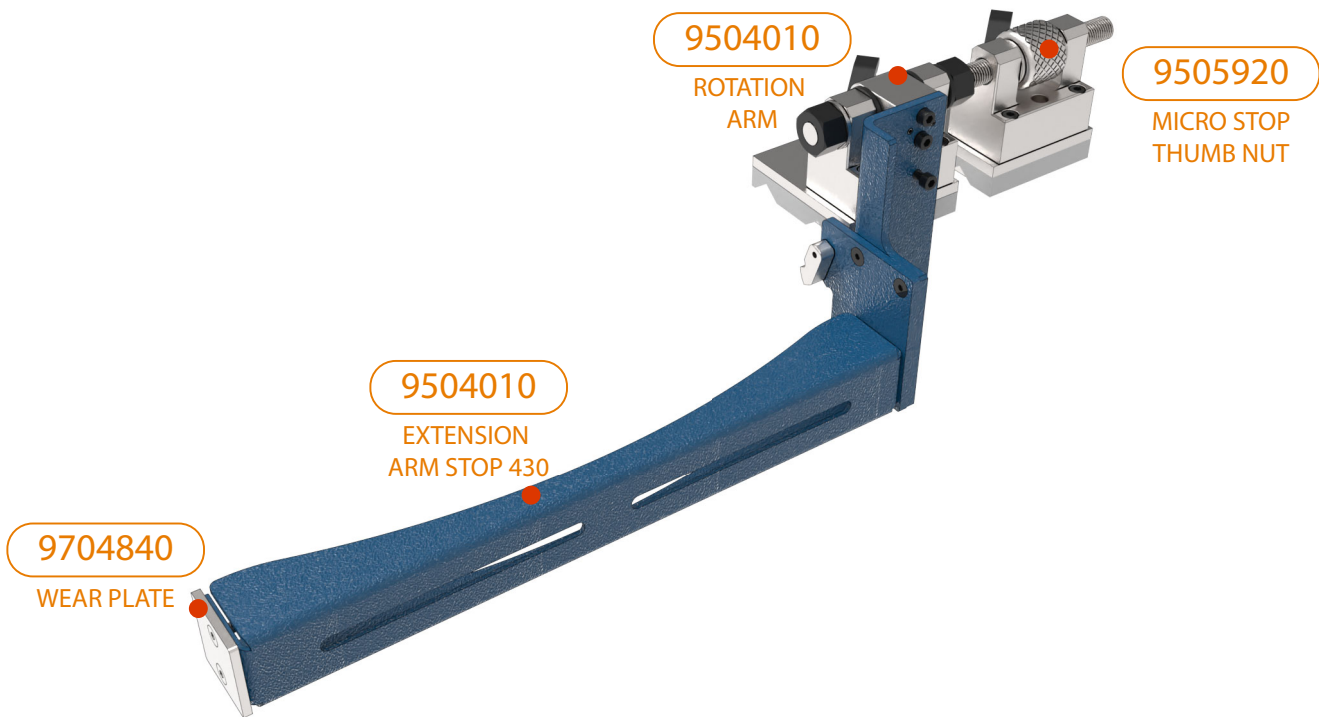
9701500 BROBO LENGTH STOP KIT 6M



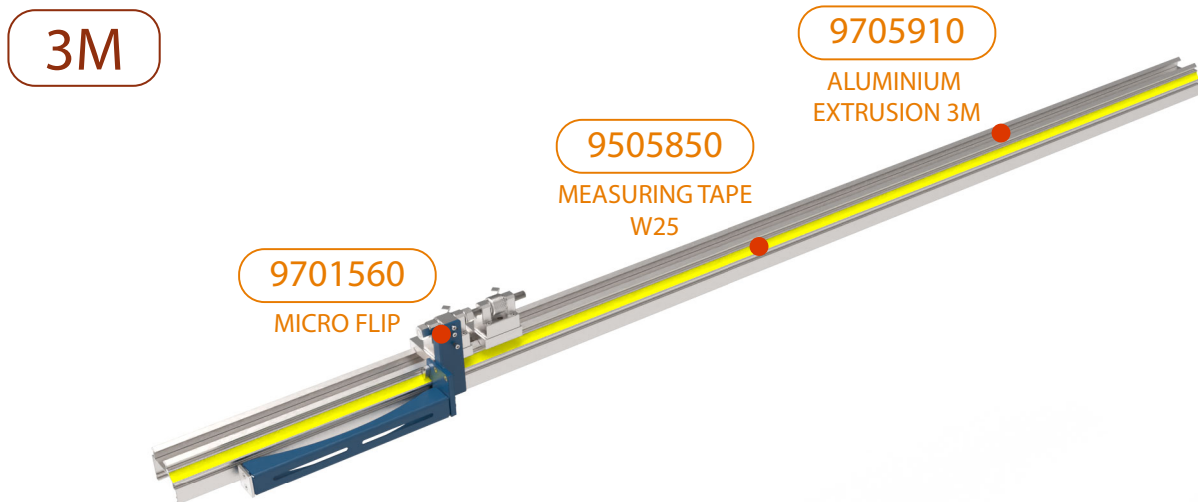
9701490 LENGTH STOP CONVEYOR 6M WITH STAND



9701480 LENGTH STOP CONVEYOR 6M WITHOUT STAND



9701560 MICRO FLIP 430



9701590 MANUAL LENGTH STOP 3M WITHOUT BRACKET



9701600 MANUAL LENGTH STOP 3M WITH BRACKET



9701210 STEEL ROLLER C803

3M

6M



9701621 MANUAL LENGTH STOP 6M WITHOUT BRACKET



9701620 MANUAL LENGTH STOP 6M WITH BRACKET

CHAPTER 1 – HANDLING AND INSTALLATION

1. The conveyor must be handled with care during transport to avoid any damage.
2. The conveyor must be installed on a sturdy surface to ensure stability during cutting operations.
3. Before installation, ensure all parts are included in the package.
4. Install the conveyor according to the instructions provided.
5. Secure the conveyor to prevent it from moving during use.
6. Test the conveyor before use to ensure proper installation.
7. Ensure the conveyor is correctly aligned with the cold saw before use.
8. Do not overload the conveyor beyond its specified weight limit.
9. Always handle the conveyor with clean and dry hands.
10. Store the conveyor in a dry and safe place when not in use.



CHAPTER 2 – SAFETY & ACCIDENT PREVENTION

2.1. Operation

The employer is responsible for instructing the personnel who, in turn, are obliged to inform the operator of any accident risks, safety devices, noise emission & accident prevention regulations provided for by national & international laws governing the use of the machine. ***The operator must be fully aware of the position & functions of all the machine's controls.***

All those concerned must strictly adhere to ALL instructions, warnings, & accident prevention standards in this manual.

The following definitions are those provided for by the **EEC DIRECTIVE ON MACHINERY No. 98/37/CE**:

- **Danger Zone** - any zone in and/or around a machine in which the presence of a person constitutes a risk for the safety & health of that person.
- **Person Exposed** - any person finding him or herself, either completely or partly in a danger zone.
- **Operator** - the person or persons are given the responsibility of installing, operating, adjusting, maintaining, cleaning, repairing, & transporting the machine.



1. Wear appropriate personal protective equipment (PPE) when using the conveyor and cold saw.
2. Keep hands and clothing away from the saw blade and conveyor rollers.
3. Ensure the saw blade guard is in place and functioning correctly.
4. Disconnect the power source before making any adjustments to the conveyor or saw.
5. Keep the work area clean and free from clutter to avoid tripping hazards.
6. Never reach over the conveyor while it is in operation.
7. Use caution when loading and unloading materials onto the conveyor.
8. Do not use the saw or conveyor if you are tired, under the influence of drugs or alcohol, or not trained to operate them.
9. Do not allow untrained individuals to use the conveyor or cold saw.
10. Always follow manufacturer's instructions and recommendations for safe operation.



2.2. Advice for the Operator



Protective eyewear or goggles must be worn at all times while attending & operating the metal saw.



Do not attempt to operate the machine unless all safety guards are in operation.
The guard must fully cover the blade when the head is in the uppermost position.



Ensure that **hands & arms are kept clear of the cutting zone** when the machine is operating.



Do not wear loose clothing with long sleeves & oversized gloves, bracelets, necklaces or any other loose object that may become entangled in the machine's blade during cutting. Long hair must be tied back or placed in a hair net.



Always disconnect the power supply to the machine before carrying out any maintenance work or adjustments. This includes cases of abnormal operations of the machine.



Any maintenance work performed on the hydraulic, pneumatic or coolant systems must be carried out only after the pressure in the system has been released.



The operator **MUST NOT** conduct any risky operations or those not required for the cutting in course (e.g. remove swarf shavings from the machine while cutting).
Never move the saw while the machine is operating.



Always keep the workplace as clean as possible.
Remove equipment, tools or any other objects from the cutting zone.



Support the workpiece on both sides of the machine to prevent it falling or jamming during the cutting cycle.





Ensure that the specimen being cut is secured firmly in the vice clamps & the machine has been correctly set. *Figure A* show some examples of how to correctly clamp different specimen profiles. Before commencing the cut, be sure the vice(s) is securely clamped & the machine set-up is correct.

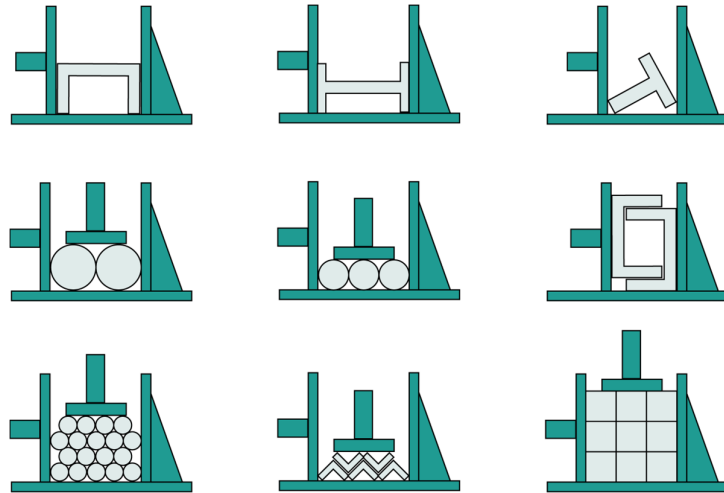
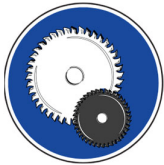


Figure A. Correct Clamping of Cutting Specimens



Do not use cutting blades of different sizes to those recommended to the machine's specifications. Always follow safe practices & inspection procedures when installing blades (Please refer to section 5.1 *Changing the Blade*).



When cutting very small specimens, **ensure that the workpiece is not dragged behind the back fence support**, where it could get lodged behind the blade.



If the blade jams during a cut, activate the emergency stop function immediately. Do not continue forcing the blade through. This could damage the blade, the specimen or be a cause for potential injury to the operator.



Always turn off the machine before carrying out any repair work. Consult the **Brobo Group** Engineering Department in the country in which the machine was initially purchased.

CHAPTER 3 – MAIN FUNCTION & OPERATION

1. The conveyor is manually operated by pulling and pushing cutting material by hand.
2. The manual length stop includes a micro stop - thumb nut for precise measurements.



3. The flip-over arm gives way for the conveyor, allowing for easy loading and unloading of materials.



4. Large measuring tape is included for quick and accurate measurements.
5. Use the Quick Action Handle to lock the length stop in place once the desired length is set.

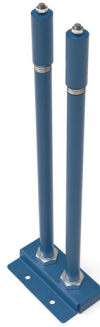


6. Pull the material against the length stop to position it for cutting.
7. The steel rollers allow for easy material movement along the conveyor.
8. The conveyor can be used with various types of cutting machinery, including cold saws.
9. Always position yourself in a safe and comfortable position while operating the conveyor & cold saw.
10. Follow manufacturer's recommendations for the maximum weight, length, and thickness of materials that can be used with the conveyor.



CHAPTER 4 – ADJUSTMENT

1. Adjust the conveyor height to level with the cold saw cutting table for optimal performance.
2. Use the height-adjustment Stand to raise or lower the conveyor as needed.



3. Ensure the conveyor is level before beginning any cutting operations.
4. Adjust the length stop position to the desired length for the material being cut.
5. Use the Quick Action Handle to lock the length stop in place.
6. Check the length stop position periodically throughout the cutting operation to ensure it remains in place.
7. Make any necessary adjustments to the length stop position during cutting operations to ensure accuracy.
8. Follow manufacturer's recommendations for any other adjustments or modifications to the conveyor.
9. Test the adjustments before beginning any cutting operations.
10. Always make sure the saw blade and conveyor are properly aligned before beginning cutting operations.



CHAPTER 5 – MAINTENANCE & TROUBLESHOOTING

1. Regular inspection and maintenance of the conveyor is essential for optimal performance and safety.
2. Clean the conveyor regularly to remove any debris or contaminants.
3. Lubricate the steel rollers and moving parts as recommended by the manufacturer.
4. Inspect the conveyor regularly for any signs of damage or wear and tear.
5. Replace any damaged or worn parts promptly.
6. Use only manufacturer-approved replacement parts for repairs.
7. Store the conveyor in a dry and safe place when not in use.
8. Keep the conveyor away from moisture to avoid rust or corrosion.
9. Troubleshoot any problems according to the manufacturer's instructions.
10. Always follow safety guidelines when working with the conveyor and cold saw.

