



Versa-Stop Multi-Position Stop System



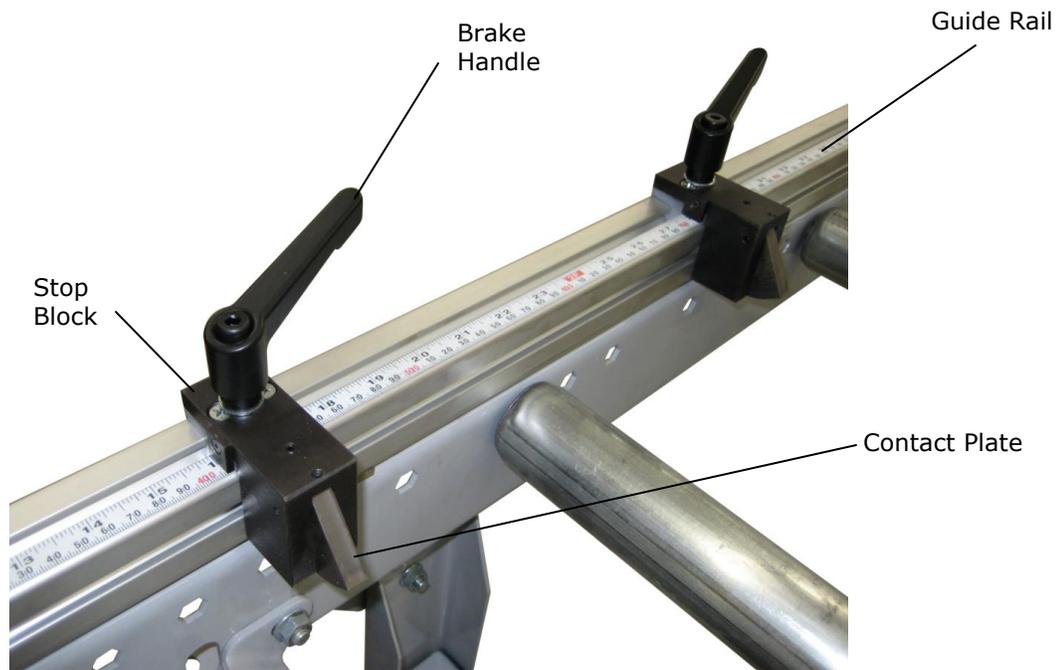
INSTRUCTION MANUAL

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1. Product Description



1.1 Intended Use

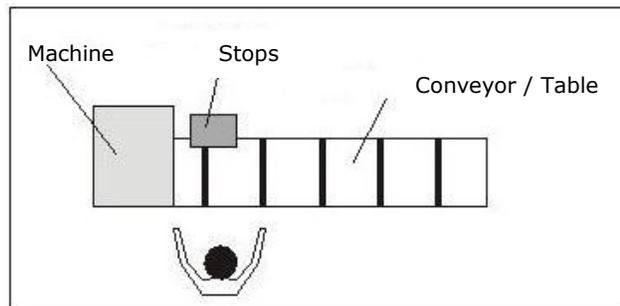
The only acceptable use for the Versa-Stop is as a length gauging system. Never place any material on the conveyor/table except the piece to be cut. Any other use is not intended and is a misuse of the gauging system.

1.2 Caveats

Other uses as mentioned above are expressly forbidden. Including but not limited to use as the following:

- Use as a material feed pusher
- Use of the conveyor as a work table

1.3 Workplace



The only acceptable operator location in the work area is standing in front of the control stand on the opposite side of the conveyor (see picture above)

1.4 Danger zones

-The area between the contact plate and the saw, drill, puncher or any other machines

These areas are always dangerous and have the potential to harm the operator or others. There are special safety precautions when working inside these areas.

2. Basic safety hints

2.1 Read and follow all hints inside the Instruction Manual

Basic requirements for the correct use of the gauging system or the machine are the knowledge of the basic safety hints and the safety precautions.

This instruction manual contains the most important safety hints.

This instruction manual, especially the safety hints and precautions must be followed by every person working with this gauge or machine.

Also follow all general plant safety rules and precautions not mentioned in this manual.

2.2 Owner obligations

The owner agrees to only allow the gauge or the machine to be used by qualified and trained persons who

- Have been instructed in the general safety rules and precautions
- Have been instructed in the correct use of the gauge and machine
- Have read and understood the safety chapters and caution hints of this instruction manual.

2.3 Operator obligations

All persons working with this gauge and machine agree before starting to work

- To follow the general safety rules
- To read and understand the safety chapters and caution hints of this instruction manual.

2.4 Intended use

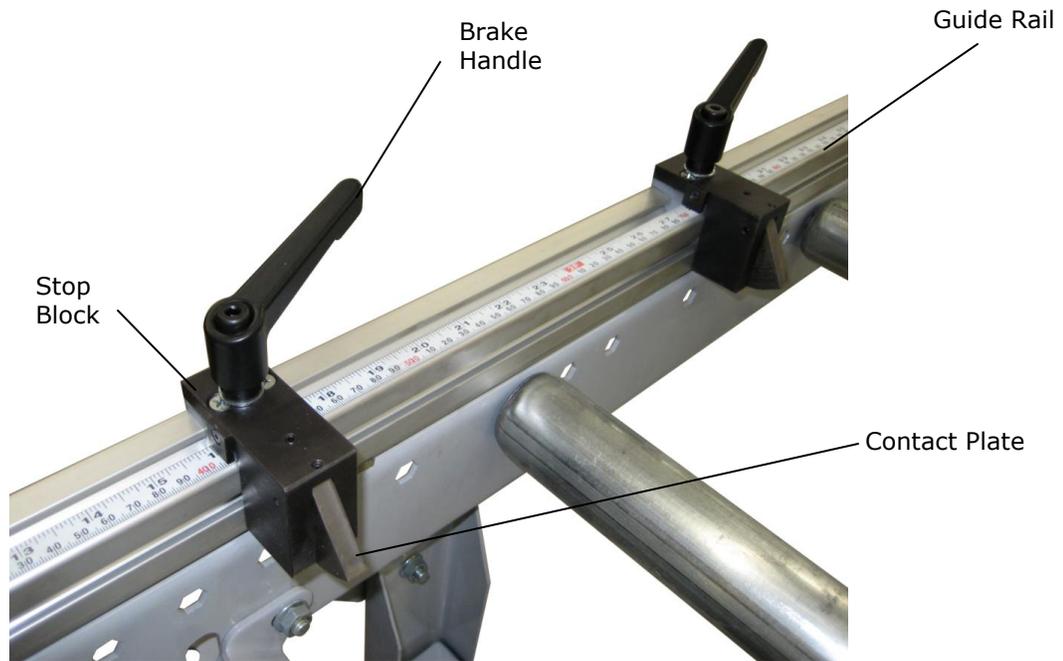
The only acceptable use for this gauge is as a length gauging system. Any other use is not intended and is a misuse of the gauging system.

Hymark is not liable for any damages resulting from misuse.

Intended use also means:

- Following all safety hints and precautions mentioned in this manual
- Following the maintenance and inspection procedures as mentioned in this manual.

3. Installation

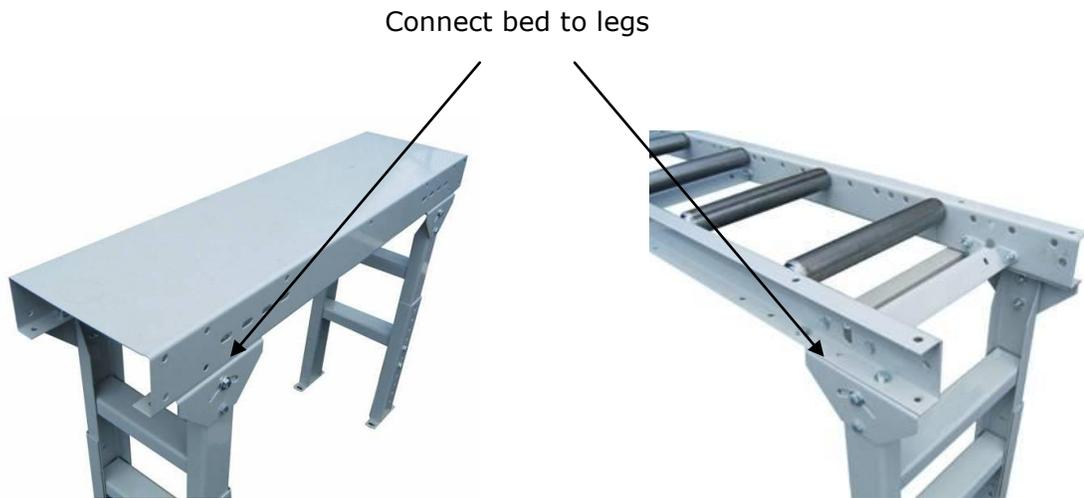


- ☞ Setup conveyor/table (if purchased)
- ☞ Attach the guide rail to the conveyor/table with the supplied hardware
- ☞ Slide on the stop block assembly and attach end caps.
- ☞ Attach supplied adhesive-back tape scale

****Stop blocks may already be mounted onto guide rail.****

3.1 Conveyor / Table Installation (optional, applicable if purchased)

- ☞ Assemble the conveyor legs to the appropriate height with the supplied nuts and bolts; typically the leg height is adjusted so that the height of the rollers or tabletop matches that of the machine bed of the saw, drill, etc.
- ☞ Attach the conveyor legs to the conveyor or flat bed with the supplied nuts and bolts.



- ☞ Set the conveyor in place and be sure that it is level and square with the saw, drill, etc.
- ☞ Anchor the table legs to the floor to prevent tipping when the stop system is attached and in use (recommended).



3.2 Mounting Guide Rail to Conveyor / Table

Align guide rail on the top side of conveyor/table. The rail needs to be mounted to where the material being cut, drill, etc. can come in contact with the contact plate on the stop blocks.

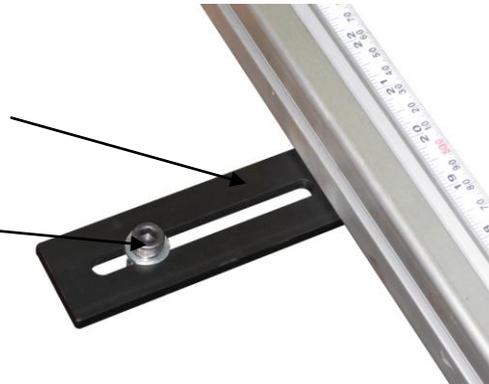
***18-24in mounting hole/bracket spacing is recommended**

*11/32 holes may need to be drilled in customer's conveyor railing or table top, if not purchased, to allow for mounting of the rail via M8 screws.

Optional mounting brackets may be purchased to allow for Y-axis adjustments

*Used to connect to backside of conveyor/table.

(M8 screws are supplied, but not necessary for installation of Y-axis mounting brackets.)



☞ Once rail is aligned and holes are drilled (if necessary), mount rail to conveyor/table using the supplied M8 screws, washers, and t-nuts via the t-slot of the bottom side of the guide rail.

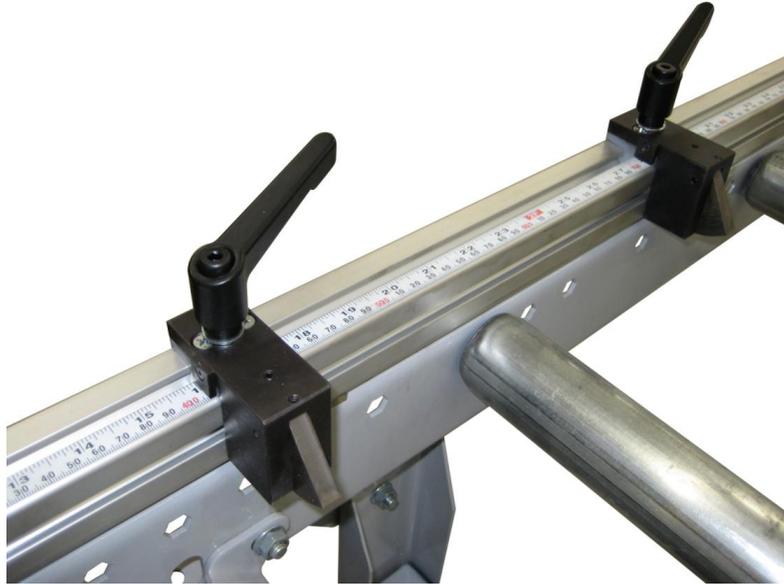
*T-nuts may already be inserted into bottom side of guide rail.



****Typical installation is pictured****

3.3 Applying tape scale

- ☞ The tape scale should be applied to the top of the guide rail and on the side of the t-slot that is closest to the operator/work area.



- ☞ Use the supplied tape guide to assist in properly aligning the tape scale on the guide rail. Apply forward pressure (pulling) to the tape guide while simultaneously applying reverse pressure (pushing) to the tape scale during installation.



- ☞ Set the first Versa-Stop block at a known location. For the photo example below, our known location was 20-3/16in.



- ☞ Slide the tape scale under the first Versa-Stop block and line up the indicator on the Versa-Stop block with the known location/measurement on the tape scale.

Note: It's best to keep the paper adhesive protector on the tape scale when sliding under any Versa-Stop blocks.

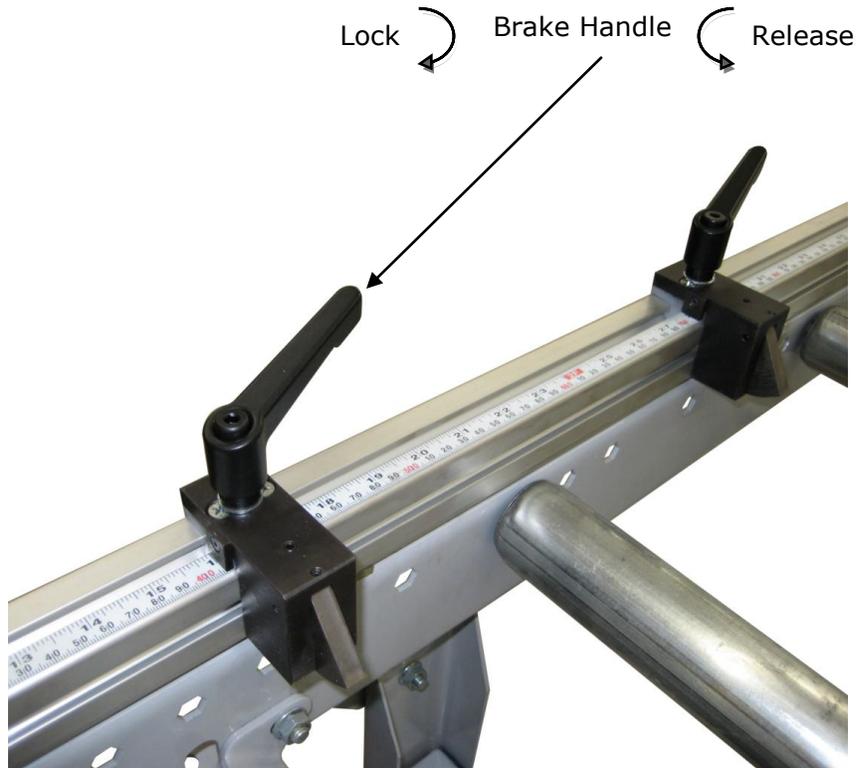
- ☞ Once properly aligned, begin to peel back the paper adhesive protector and apply the tape scale to the guide rail while using the tape guide to ensure that the tape scale is applied straight along the guide rail and in the correct location.

Note: Only remove short lengths of the paper adhesive protector at a time to ensure that the adhesive doesn't become contaminated.

- ☞ Use tin snips, or alike, to remove any excess tape scale.

4. Basic Operation

4.1 Stop Operation



4.2 Set Stop Position

1. Release brake (see above illustration)
2. Move stop to position using indicator on stop block
3. Lock brake (see above illustration)

Note: Over-tightening the brake handle could strip the brake or jam the brake screw against the aluminium guide rod. If the screw is jammed, simply tap on the top of the brake handle with a soft mallet.

4.3 Bypass feature

The Bypass feature can be used when 1 or more of the Versa-Stop blocks are not needed. The Bypass feature enables the operator to lock the contact plate in the closed position, allowing the material to “bypass” the unnecessary stop.

- ☞ To enable the Bypass feature, simply tighten the forward-most M5 set screw while holding the contact plate in the closed position. Use a 2.5mm allen wrench to tighten set screw.



- ☞ Loosening the set screw will allow the contact plate to extend, which re-enables the Versa-Stop block for use.

Note: Loosening the set screw too far or removing completely could cause the contact plate spring to fall out of the Versa-Stop block.

If the spring is removed, simply re-insert the spring by removing the second M5 set screw on top of the Versa-Stop block, inserting the spring through the set screw hole and into the contact plate spring cavity. Reinstall the set screw to pre-load the spring.

The set screw should only be tightened enough to flush the stop of the set screw with the top of the Versa-Stop block. Over-tightening can push the spring out of the Versa-Stop block.

5 Maintenance Requirements

Maintenance jobs as described in this chapter may only be done by authorized and trained personnel.

**Prior to any maintenance of the Kentucky Gauge or accessories, please ensure the machine is not in operation and corresponding equipment is in "off" position.

5.1 Lubricants and Detergents

Detergent

- ☞ Use commercially available detergents.
- ☞ Don't use any acids or alkaline solutions
- ☞ Don't use any high pressure water jet cleaners

5.2 Maintenance Schedule

See chapter	Device	Cleaning	Lubricate	In addition	Frequency
5.3	Conveyor / table	X	--	--	daily
5.4	Guide Rail	X	--	--	daily
5.5	Stop blocks and contact plates (lubricate for rust prevention)	X	X	--	daily

Legend: X - has to be done -- Nothing to do

5.3 Cleaning the Conveyor / Table

- ☞ Remove chips, grease and any items on the conveyor/table that would be deemed in the pathway of, or causing an unwanted obstruction of, the stop blocks. This should be done several times per day if the machine is in heavy use.

5.4 Cleaning the Guide Rail

- ☞ Remove chips and grease on the guide rail. This should be checked daily to ensure there is no development of debris or obstruction. If heavy chip or debris accumulation occurs, increase frequency to accommodate suitable maintenance measures.

5.5 Cleaning and lubrication the Stop Blocks

- ☞ Remove chips, grease and any items on the conveyor/table that would be deemed in the pathway of, or causing an unwanted obstruction of, the stop

blocks. This should be done several times per day if the machine is in heavy use.

- ☞ Lubricate the stop blocks and contact plates with 3-N-1 oil or alike to prevent oxidation/rust.

6 Warranty

Hymark Ltd Co (henceforth Hymark), warrants this product for a period of twenty-four (24) months from the date of shipment. During the warranty period, under authorized return component parts to Hymark freight prepaid, the company will repair, or at its option, replace any part found to be defective in material or workmanship, without charge to the owner for parts, service labor, or associated customary shipping costs.

This same protection will extend to any subsequent owner during the warranty period. It does not apply to damage caused by accident, misuse, fire, flood or acts of God, or from failure to properly install, operate, or maintain the product in accordance with the printed instructions provided.

This warranty is in lieu of any other warranties, expressed or implied, including merchantability or fitness for a particular purpose, which are expressly included. The owner agrees that Hymark's liability with respect to this product shall be set forth in this warranty, and incidental or consequential damages are expressly excluded.

Any questions or inquiries should be directed to our factory technical department at 270-683-3500 ext. 114

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