

# CONVEYOR BELT SUPPORT PRODUCTS

## CONVEYOR ACCESSORIES FOR STEEP ANGLE CONVEYORS



**GUIDE IDLERS**  
protect the belt edges at critical locations.



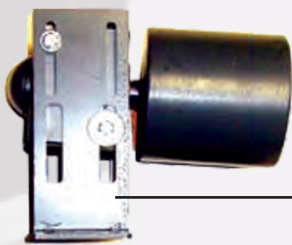
**TRU-TRAINER**  
is the simplest and the best training idler on the market.



**BELT BEATERS**  
work on the clean side of the return to remove the product.



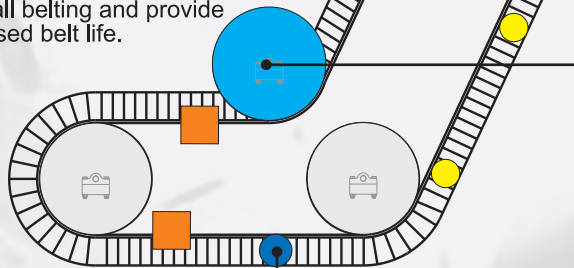
**DAMPENING ROLL ASSEMBLIES**  
reduce the pulsations in the belt set up by the belt beaters.



**BASSCO™ FLEXMOUNT**  
are designed for flexible sidewall belting and provide increased belt life.



**CANTIWHEELS**  
combine the bearings, shafts and wheels in one assembly.



**STUB TRAINING IDLERS**  
COMING SOON!



- Belt Beaters
- Dampening Roll Assemblies

## Belt Beaters



The **ASGCO Belt Beater** has been designed to work on the return or "clean" side of flexible sidewall or conventional troughed belts. It consists of a set of heavy wall rollers, rotating about a main shaft at approximately 600 RPM. Mounted behind the head pulley, these rollers impact the belt causing the material to loosen and fall from the belt. Because the beater works on the back of the belt where the cover is thin, it is important that the contact is made by rollers (rather than bars) so that they don't "scrub" the belt and cause the cover to wear.

To handle belt widths over 42" without incurring excessive loading on the beater roll's bearings, our four-roll design was added to the original 2-roll unit. In addition, a universal mount drive package, including motor and v-belt drive, is now available.

## Recommended Belt Beater Accessory Dampening Roll Assemblies



At 600 RPM, belt beaters impact the belt 1200 times a minute. This will cause some belts to vibrate in a sine wave fashion that will often be carried into the frame. In order to reduce or eliminate these vibrations, ASGCO has designed a **Dampening Roll Assembly**, which is mounted just behind the beat beater that consists of 2 pairs of dual stub idlers that are matched to the belt recess, and a flat idler that "sandwich" the belt. This assembly accommodates belts of various thicknesses and requires only four bolts to secure it to the frame.

Check us out at  
[www.asgco.com](http://www.asgco.com)

Customer Service  
**800-344-4000**



Stay connected by following us on



[www.conveyor-solution.net](http://www.conveyor-solution.net)

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- Flat Tru-Trainer™
- Dual Tru-Trainer™
- Guide Idlers

## Tru-Trainer™ Training Idlers

### Flat Tru-Trainer™



### Dual Tru-Trainer™



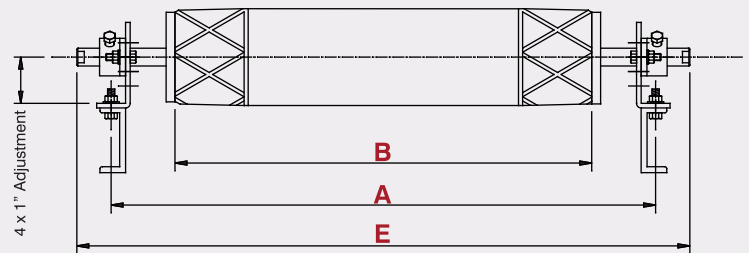
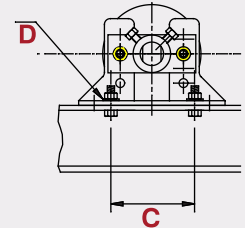
The **TRU-TRAINER™** idler has an internal central pivot that is perpendicular to the plane of the belt. The ends of the roller are tapered slightly so that the edges of the belt create a slight drag on the roller. As the belt moves off-center, the side of the belt will move further into the taper on that side of the roller and out of the taper on the other side of the roller. This will cause an imbalance which drags one side of the roller forward on the central pivot causing the belt to center. The Tru-Trainers are used on the carry-side of the system only.

#### Features :

- Specifically designed for high speed, aggressive belts
- No maintenance
- Operates in all conditions, wet and dry
- Mounts on clean side of belt
- Vibration free rolling action
- Minimum force to activate training Mechanism
- No contact with edge of belt

#### Flat Tru-Trainer™

Width	A	B	C	E
*18"	27"	19¼"	3¼"-7¾"	33½"
20"	28¾"	21¼"	3¼"-7¾"	35½"
24"	32½"	25¼"	3¼"-7¾"	39¼"
26"	34½"	27¼"	3¼"-7¾"	41¼"
30"	38½"	29½"	3¼"-7¾"	45¼"
32"	40½"	33"	3¼"-7¾"	47¼"
36"	44½"	37"	3¼"-7¾"	51¼"
42"	50¼"	43"	3¼"-7¾"	57"
48"	56¼"	48¾"	3¼"-7¾"	63"
54"	62"	54¾"	3¼"-7¾"	70"
60"	68"	60½"	3¼"-7¾"	76"



## Guide Idlers



Guide idlers are generally used to protect the belt edges from damage if the belt tracks too far to one side. They are placed prior to changes in direction of the belt as it travels over the pulleys and/or deflection wheels.

ASGCO has designed a full range of single and multiple roll guide idlers to fit all sizes of troughed and flexible sidewall belts for both carrying and return side applications.

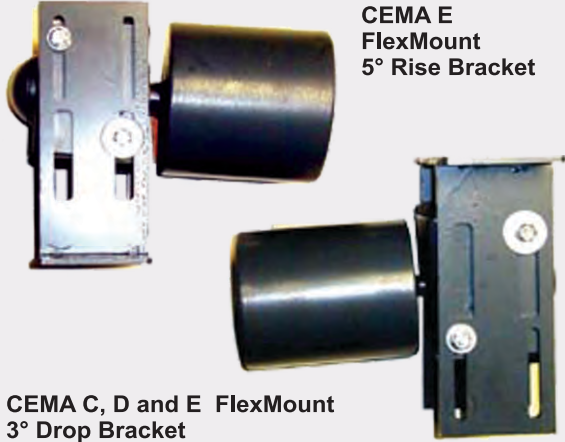
Standard sizes are 2 ½", 5", and 6" dia. with sealed ball or tapered roller bearings and 4" face lengths. FlexMount design can be used for these idlers also. Special sizes and face lengths are available, as well as urethane and rubber coverings

- Protects belt edges from side travel
- Protects side flanges
- Assists in training prior to change in belt direction

- FlexMount™ Idlers
- BASSCO™ Stub Idlers
- Cantiwheels™

## FlexMount™ Stub Idlers

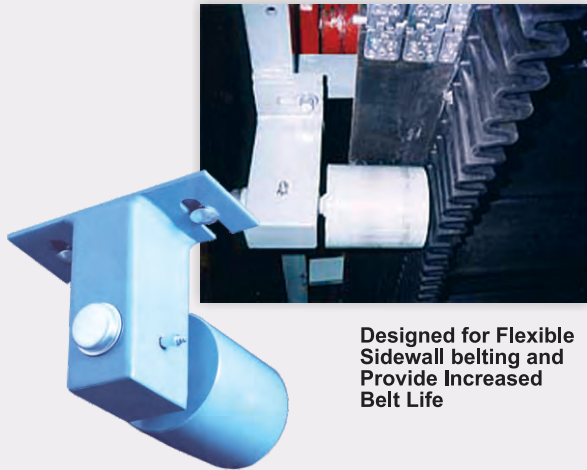
Replaces the Original Style BASSCO Stub Idlers



The patented FlexMount design consists of a roller/shaft assembly, a bearing housing, and adjustable mounting brackets. This design retains all the features of the original custom design, yet can be made in quantities and assembled from stock. FlexMounts offer the following advantages:

- Each bracket can be used for either drop or rise applications and can be used for 0°, 3°, or 5° decline angle applications.
- Each bracket is vertically adjustable to handle a range of drop/rise dimensions. The same brackets can be used with the new CEMA C (sealed ball), D (tapered roller), or E (tapered roller) idlers.
- Because the mounting brackets are bolted to the housing, replacement of the bearing housing and/or the roller/shaft assembly is easy and less expensive. You now have the choice of a sealed ball bearing (C size) or regreasable tapered roller bearing (CEMA D) in the 3/4" dia. shaft idler.
- The roller/shaft assemblies are stocked in four face widths (3", 5", 8", 10") and the mounting brackets are stocked in four vertical adjustment ranges which accommodate the majority of application requirements.

## The ORIGINAL BASSCO™ Stub Idlers



Designed for Flexible Sidewall belting and Provide Increased Belt Life

The original BASSCO custom designed stub idlers consisted of a roller with internal bearings mounted to a threaded shaft and supplied with a pair of jam nuts to lock it to a support bracket supplied by the conveyor manufacturer. The stub idler supported the recess of the belt, i.e. the extension of the base belt beyond the sidewalls. Some of the idlers had grease fittings, but provided no place for the excess grease to go. In time, the shafts became corroded and made it difficult, if not impossible, to remove.

ASGCO designed its stub idlers (patented) with the bearings located in a bearing housing with a non-rotating grease fitting and the roller welded to the shaft. In addition, it incorporated the proper decline angle for the roller to match the belt manufacturer's recommendation and offers the idlers in "drop" or "rise" designs to fit all conveyor frame/belt combinations.

- Rollers available in steel, rubber or polyurethane.
- Also available in CEMA F & H series.

## Cantiwheel™ Assemblies



Cantiwheel assembly combines a foot or flange mounted idler with a dual web wheel. With the addition of the new F and H series idlers, we now have the ability to handle the loads imposed by the larger belts with 8" to 18" recesses. These assemblies are generally less expensive than deflection wheels, after you add in the cost of the pillow blocks. This design is a cost effective solution to deflecting the belt at the bend points and offers an OSHA friendly arrangement which eliminates the cross shaft, and is easier to guard.