
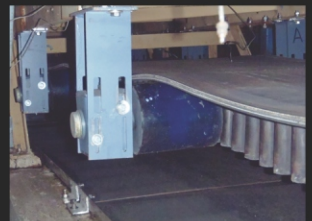


*Providing the World Bulk Material Handling Industry
with Productive, Safe and Reliable "Complete Conveyor Solutions."*



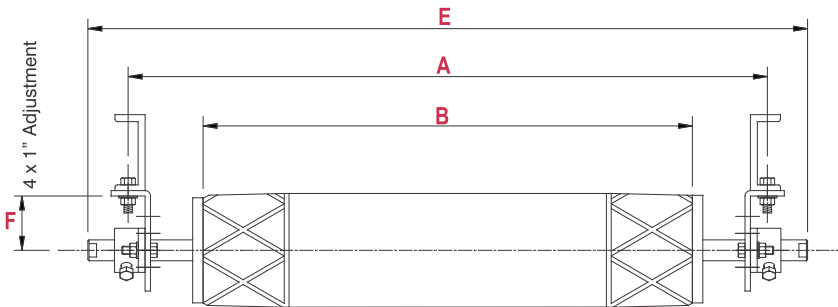
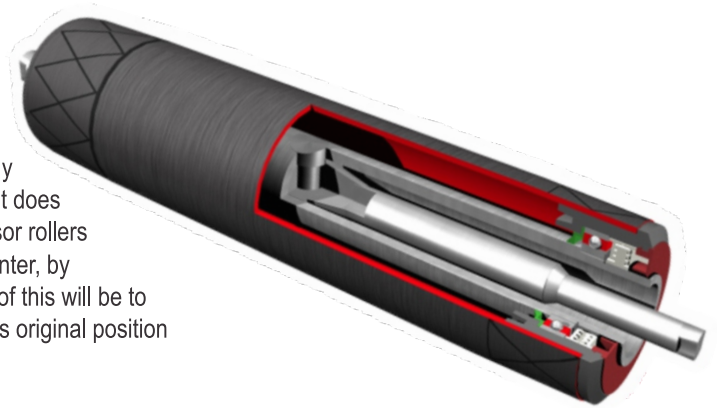
**conveyor belt
tracking and
specialty idlers**



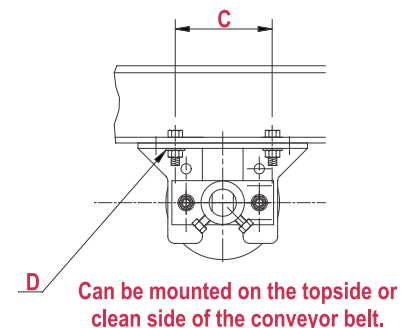
Tru-Trainer® Flat Return Idlers

ASGCO'S® **Tru-Trainer®** series of training idlers are a patented design that offers the most reliable and re-active training idlers available today. Its' stainless steel internal pivot, that is perpendicular to the plane of the belt, and its' rubber covered shell and tapered ends help actuate the trainer immediately as the belt moves off center. It is always reacting to keep the belt centered. It does not wait, like conventional trainers, for the belt to walk over to 90-degree sensor rollers and then have the belt react. The Tru-Trainer® reacts as the belt moves off center, by contacting the tapered section of the roller on that side of the belt. The effect of this will be to force the roller to rotate on its central pivot causing the belt to come back to its original position (centered).

- **Continuous Alignment** - by always tracking the belt to the center of the conveyor, it reduces edge damage, spillage and improves overall conveyor performance.
- **Heavy-Duty Design** - of our trainer uses 3 7/16" bearings, 1 3/4" shaft, and an abrasive resistant hot-vulcanized rubber cover. Urethane and ceramic covers are also available.
- **Patented Design** - does not rely on the edge of the belt to activate the tracking mechanism. By utilizing an internal pivot verses an external pivot it does NOT build up with carry-back.
- **Reactionary** - in both wet and dry conditions as seen in below ground and above ground mining all over the world.
- **Total Satisfaction Guarantee (TSG)** - to solve your conveyor belt training problems and make your overall conveyor system run more efficiently.
- **Excellent for Reversing Belt Applications.**
- **Can be used on the Clean Side of the Belt.**



Tru-Trainer® Flat Return								
Part Number	Belt Width	Lbs.	A Adjustable	B	C Min - Max	D (Slot)	E	F
ASG-TTFR-45	18	73	27	19.29	3.35 - 7.68	.55 x 2.76	33.46	1.57 - 4.53
ASG-TTFR-60	24	84	33	25.20	3.35 - 7.68	.55 x 2.76	39.37	1.57 - 4.53
ASG-TTFR-75	30	93	39	31.10	3.35 - 7.68	.55 x 2.76	45.28	1.57 - 4.53
ASG-TTFR-90	36	106	45	37.01	3.35 - 7.68	.55 x 2.76	51.18	1.57 - 4.53
ASG-TTFR-105	42	117	51	42.91	3.35 - 7.68	.55 x 2.76	57.09	1.57 - 4.53
ASG-TTFR-120	48	128	57	48.82	3.35 - 7.68	.55 x 2.76	62.99	1.57 - 4.53
ASG-TTFRHD-135	54	183	63	56.69	3.35 - 7.68	.55 x 2.76	70.87	1.57 - 4.53
ASG-TTFRHD-150	60	190	69	62.60	3.35 - 7.68	.55 x 2.76	76.77	1.57 - 4.53
ASG-TTFRHD-180	72	333	81	73.62	3.35 - 7.68	.55 x 2.76	87.62	1.57 - 4.53



Tracking and Specialty Idlers

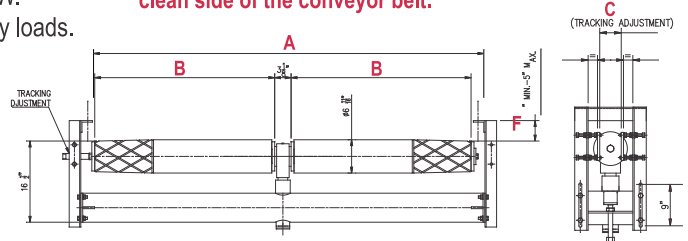
Tru-Trainer® Dual Return Idlers

The **Tru-Trainer® Dual Return** was developed to accommodate the excessive forces encountered with wide belts and heavy loads. An external central pivot mechanism was designed, obviating the need for a single, large drum, and enabling a concentric and balanced rotation to be achieved. This results in extended bearing life and a very fast and effective conveyor tracking system.

- **Two Separate Tapered Rolls** - are mounted into the pivot mechanism and can be individually replaced as wear occurs.
- **Designed for High Speed/PIW Conveyors** - to operate and last in severe conditions, wet and dry, and aggressive mining conditions.
 - Conveyor belt speeds that exceed 800 fpm and/or greater than 1500 PIW.
- **Accommodates Excessive Force** - encountered with wide belts and heavy loads.
- **Enhanced Sealing/Bearing System** - needle thrust and tapered roller bearings and enhanced sealing system for the most aggressive mining conditions.
- **Individual Rollers for Easy Replacement** - separate tapered rolls are mounted onto the pivot mechanism, which can be individually replaced as wear occurs.



Can be mounted on the topside or clean side of the conveyor belt.



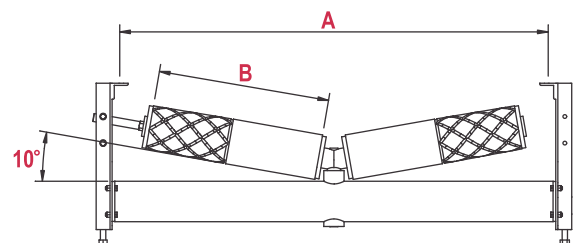
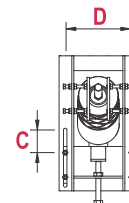
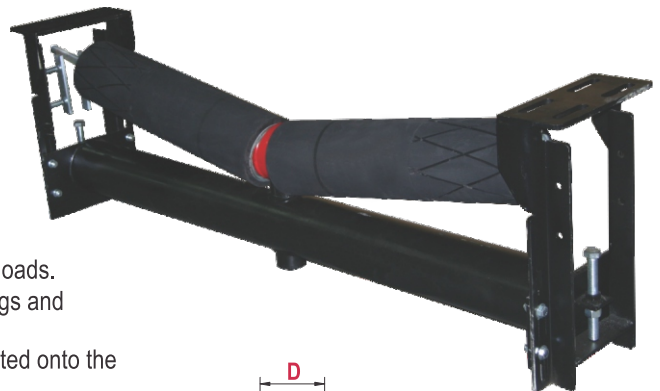
Tru-Trainer® Dual Return								
Part Number	Belt Width	Wt. Lbs.	A	B	C (For ideal included angle = 4.5°)	D Min - Max (Pitch)	E (Slot)	F Min - Max
ASG-TTDR-120	48	295	57	24.80	3.54	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTDR-135	54	304	63	27.76	3.62	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTDR-150	60	335	69	30.71	3.86	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTDR-165	66	351	75	33.66	4.09	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTDR-180	72	368	81	36.61	4.33	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTDR-210	84	437	93	42.91	4.80	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTDR-240	96	485	105	48.82	5.28	3.5 - 8.46	.67 x 3.15	.59 - 5.12



Tru-Trainer® Dual V-Return Idlers

The **Tru-Trainer Dual V-Return®** was developed to accommodate the excessive forces encountered with V-Return idler conveyors, systems and structures.

- **Two Separate Tapered Rolls** - are mounted into the pivot mechanism and can be individually replaced as wear occurs.
- **Designed for High Speed/PIW Conveyors** - to operate and last in severe conditions, wet and dry, and aggressive mining conditions.
- **Accommodates Excessive Force** - encountered with wide belts and heavy loads.
- **Enhanced Sealing/Bearing System** - needle thrust and tapered roller bearings and enhanced sealing system for the most aggressive mining conditions.
- **Individual Rollers for Easy Replacement** - separate tapered rolls are mounted onto the pivot mechanism, which can be individually replaced as wear occurs.



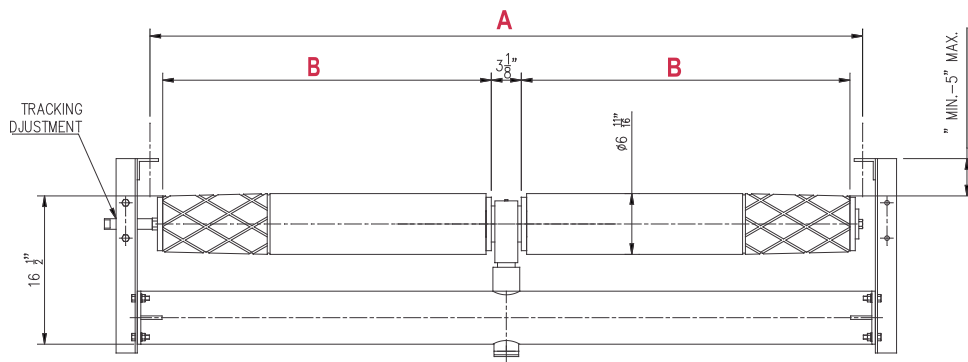
Tru-Trainer® Dual V-Return								
Part Number	Belt Width	Wt. Lbs.	A	B	C (For ideal included angle = 4.5°)	D Min - Max (Pitch)	E (Slot)	F Min - Max
ASG-TTVR-105	42	300	51	24.80	3.62	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTVR-120	48	304	57	27.76	3.54	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTVR-135	54	309	63	28.74	3.62	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTVR-140	56	335	67	30.71	3.70	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTVR-150	60	348	69	33.66	3.86	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTVR-160	64	351	73	33.66	4.02	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTVR-165	66	368	75	36.61	4.09	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTVR-180	72	419	81	40.94	4.33	3.5 - 8.46	.67 x 3.15	.59 - 5.12

Tracking and Specialty Idlers

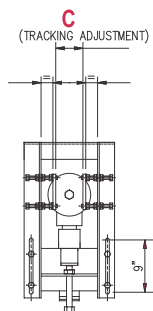
Tru-Trainer® Dual Return Urethane Idlers (Mine Duty)

The **Tru-Trainer® Dual Return Urethane** was developed to accommodate the excessive forces encountered with wide belts and heavy loads. An external central pivot mechanism was designed, obviating the need for a single, large drum, and enabling a concentric and balanced rotation to be achieved.

- **Designed for High Speed/PIW Conveyors** - to operate and last in severe conditions, wet and dry, and aggressive mining conditions.
 - Conveyor belt speeds that exceed 800 fpm and/or greater than 1500 PIW.
- **Heavy Duty Rolls** - highly abrasive, 5/8" polyurethane lagged, tapered rollers are mounted onto the pivot mechanism, which can be individually replaced as wear occurs.
- **Enhanced Sealing/Bearing System** - needle thrust and tapered roller bearings and enhanced sealing system for the most aggressive mining conditions.
- **Total Satisfaction Guarantee (TSG)** - to solve your conveyor belt training problems and make your overall conveyor system run more efficiently.
- **Excellent for Reversing Belt Applications.**



Can be mounted on the topside or clean side of the conveyor belt.



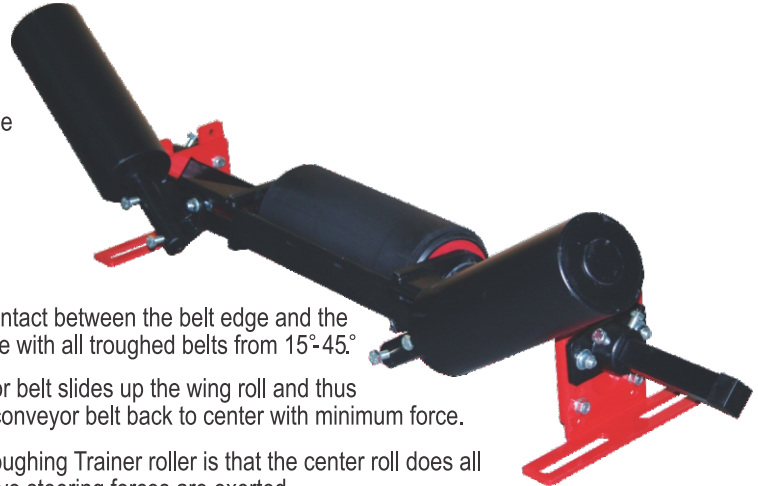
Tru-Trainer® Dual Return Urethane								
Part Number	Belt Width	Wt. Lbs.	A	B	C (For ideal included angle = 4.5)	D Min - Max (Pitch)	E (Slot)	F Min - Max
ASG-TTDR-120-UE	48	295	57	24.80	3.54	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTDR-135-UE	54	304	63	27.76	3.62	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTDR-150-UE	60	335	69	30.71	3.86	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTDR-165-UE	66	351	75	33.66	4.09	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTDR-180-UE	72	368	81	36.61	4.33	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTDR-210-UE	84	437	93	42.91	4.80	3.5 - 8.46	.67 x 3.15	.59 - 5.12
ASG-TTDR-240-UE	96	485	105	48.82	5.28	3.5 - 8.46	.67 x 3.15	.59 - 5.12

Tracking and Specialty Idlers

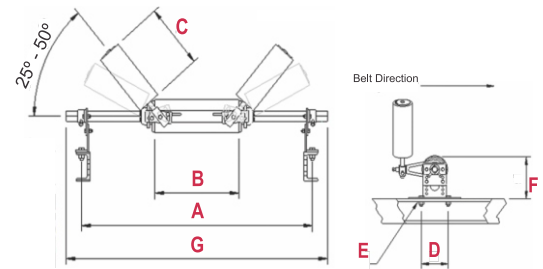
Tru-Trainer® Troughing Idlers

The **Tru-Trainer® Troughing** is based on an enhanced load carrying design which features quicker activation, increased swing and overall better performance. There is no edge damage and the troughing angle is now adjustable.

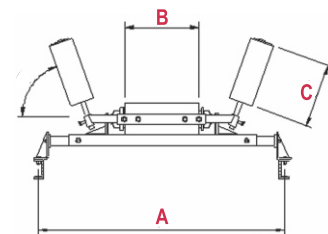
- **Load Carrying Side Conveyor Alignment** - Due to the troughed nature of this side of the conveyor belt, the Tru-Trainer® Troughing roller was specifically developed to accommodate a different training configuration.
- **Activating Wing Rollers** - are set to have a maximum effective contact between the belt edge and the wing roller of 25°-55° (instead of the usual 90°), and are compatible with all troughed belts from 15°-45°.
- **Internal Pivot** - As the conveyor belt moves off-center the conveyor belt slides up the wing roll and thus causes the Tru-Trainer® to pivot on its internal pivot and steer the conveyor belt back to center with minimum force.
- **Unique Steering Roller** - the unique aspect of the Tru-Trainer® Troughing Trainer roller is that the center roll does all the steering and not the wing rolls, as this is where the most effective steering forces are exerted.



Tru-Trainer® Troughing									
Part Number	Belt Width	Wt. Lbs.	A Adjustable	B	C	D Min - Max	E (Slot)	F Min - Max	G
ASG-TTTT-45	18	75	27	10.43	9.45	3.54 - 7.48	.78 x 2.76	5.31 - 12.20	33
ASG-TTTT-60	24	99	33	10.43	9.45	3.54 - 7.48	.78 x 2.76	5.31 - 12.20	39
ASG-TTTT-75	30	101	39	10.43	9.45	3.54 - 7.48	.78 x 2.76	5.31 - 12.20	45
ASG-TTTT-90	36	121	45	14.37	13.39	3.54 - 7.48	.78 x 2.76	5.31 - 12.20	51
ASG-TTTT-105	42	123	51	14.37	13.39	3.54 - 7.48	.78 x 2.76	5.31 - 12.20	57
ASG-TTTT-120	48	123	57	18.31	13.39	3.54 - 7.48	.78 x 2.76	5.31 - 12.20	63
ASG-TTTTHD-135	54	251	63	26.38	17.72	7.68-10.83	.87 x 3.15	8.27 - 12.99	69
ASG-TTTTHD-150	60	256	69	26.38	17.72	7.68-10.83	.87 x 3.15	8.27 - 12.99	75
ASG-TTTTHD-180	72	276	81	32.28	17.72	7.68-10.83	.87 x 3.15	8.27 - 12.99	87
ASG-TTTTHD-210	84	291	93	36.61	17.72	7.68-10.83	.87 x 3.15	8.27 - 12.99	99



Adjustable wing rolls on belt widths 18" - 48".

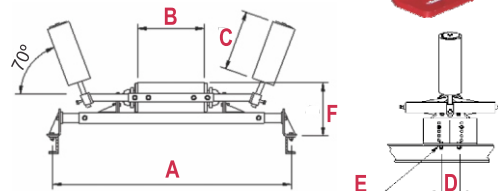


Fixed wing rolls at 70° on belt widths 54" and above.

Tru-Trainer® Reversing Troughing Idlers

The **Tru-Trainer® Reversing Troughing** is based on an enhanced load carrying design which features quicker activation, increased swing and overall better performance. There is no edge damage and the troughing angle is now adjustable.

Tru-Trainer® Reverse Troughing								
Part Number	Belt Width	Wt. Lbs.	A Adjustable (+/-2)	B	C	D Min - Max (Pitch)	E (Slot)	F Min - Max
ASG-TTTREV-45	18	164	27	10.43	9.45	2.56 - 5.31	.59 x 1.97	8.46 - 12.40
ASG-TTTREV-60	24	176	33	10.43	9.45	2.56 - 5.31	.59 x 1.97	8.46 - 12.40
ASG-TTTREV-75	30	188	39	10.43	9.45	2.56 - 5.31	.59 x 1.97	8.46 - 12.40
ASG-TTTREV-90	36	212	45	14.37	13.39	2.56 - 5.31	.59 x 1.97	8.46 - 12.40
ASG-TTTREV-105	42	214	51	18.31	13.39	2.56 - 5.31	.59 x 1.97	8.46 - 12.40
ASG-TTTREV-120	48	234	57	18.31	13.39	2.56 - 5.31	.59 x 1.97	8.46 - 12.40
ASG-TTTREVHD-135	54	308	63	26.38	17.72	7.68-10.83	.87 x 2.36	8.27 - 12.99
ASG-TTTREVHD-150	60	310	69	26.38	17.72	7.68-10.83	.87 x 2.36	8.27 - 12.99
ASG-TTTREVHD-180	72	316	81	32.28	17.72	7.68-10.83	.87 x 2.36	8.27 - 12.99
ASG-TTTREVHD-210	84	322	93	36.61	17.72	7.68-10.83	.87 x 2.36	8.27 - 12.99



Tracking and Specialty Idlers

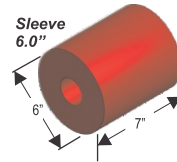
Dura-Sleeve™ Idlers

Dura-Sleeve™ Urethane Return Disc Idlers - are used on abrasive mining conditions such as iron ore, coke, copper/gold ores, underground coal mining and other hard rock mining conditions where traditional rubber disc and steel idlers don't last. They are also used when wet or sticky materials tend to cling to the belt, where corrosion resistance is required or where chemical reaction to iron or steel is involved.

- **Patented Design** - of our idler sleeve clamping system utilizes you to replace worn out rubber or other urethane disc return idlers.
- **Abrasion Resistant Urethane** - compounds provide wear ability that exceeds 5 times the wear life of standard rubber disc return idlers.
- **Meets all CEMA Standards** - and available in any belt width and inside and outside roller diameter.



3 Year Guarantee
ASGCO® offers the longest warranty on any Dura-Sleeve™ idler.



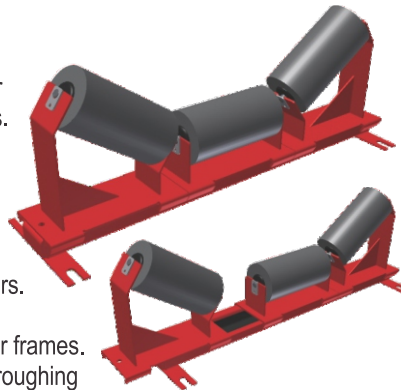
Patented Replaceable Sleeves are also available for both CEMA D, E and F idlers.



Slide-lers™

ASGCO® **Slide-lers™** give you the ability to change rolls under the loading skirt area without having to remove adjacent idlers. This allows the Slide-ler™ to fit into tight or confined spaces ensuring proper belt rolling support and ease of idler roll change out.

- **Perfect for Confined Spaces** - due to the frames only taking up 8" (200mm) of width when using 6" (150mm) rollers.
- **Improves Safety** - by allowing maintenance to easily remove the rollers without having to remove any of the idler frames.
- **Meets all CEMA Standards** - available in any belt width, troughing angle or idler.

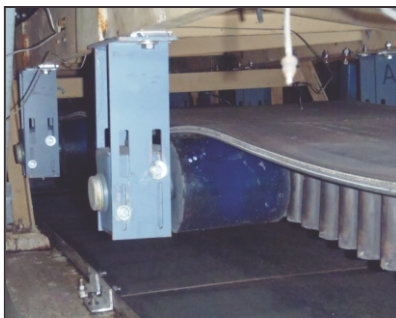
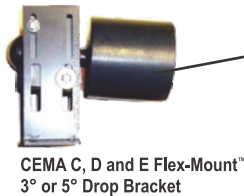


Step Angle Conveyor Accessories

Flex-Mount™ Stub Idlers

The Patented **Flex-Mount™ Stub Idler**, designed by BASSCO™, provides the needed belt support on the return side of the steep angle conveyor belts or pocket belts.

BASSCO™ FLEX-MOUNT™ are designed for flexible sidewall belting and provide increased belt life.



GUIDE IDLERS
protect the belt edges at critical locations.



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.



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



Customer Service
800-344-4000 or
610-821-0216



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