

TSG Troughing SUREGUIDE®

AUTOMATICALLY RESPONDS TO SMALL MISALIGNMENTS

Often, conditions beyond your control, such as the weather, inconsistent loading of material or unexpected damage to the conveyor system cause conveyor belt misalignment. The Troughing SureGuide® was designed to give incremental adjustments to the load-carrying side of the conveyor belt. The unique design of the components of the TSG frame allows it to automatically adjust itself to the conveyor belt in order to correct the misalignment in the troughing section of the conveyor, thereby giving you the confidence that your conveyor belt is on track and capable of meeting delivery requirements.

The Troughing SureGuide® will give you peace of mind in knowing that your conveyor is running straight and that your entire product will reach its destination. Its fully independent mechanical frame responds to the smallest belt misalignment, gently guiding the belt back to the centre of the frame. Its function is simple yet its performance is unquestionable and immediate. It requires no more maintenance than standard idler frames and is robust enough to withstand the toughest of mining environments.

- *Robust frame designed to last longer in the toughest of environments.*
- *Standard frame with SABS/CEMA/DIN measured mounting holes ensures quick, uncomplicated installation.*
- *Little or no maintenance.*
- *Highest performance rollers designed to endure extreme conditions.*
- *Steering takes place through the unique pivot and tilt mechanism of the frame, not by conventional sidearm roller frames that are ineffective and often cause more damage.*



PRODUCT SPECIFICATIONS:

Frame Sizes:

- *3-roller or 5-roller systems*
- *Heavy duty systems*

Materials:

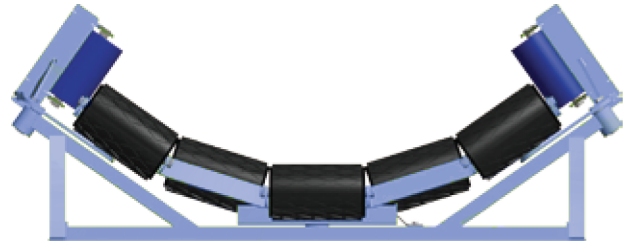
- *C.N.C components*
- *Thick walled HDPE sensor roller*
- *Unique centre pivot*

Operational Conditions:

- *Belt widths – 450mm to 2600mm*
- *Operational temperatures -40°C to +80 °C*
- *Recommended spacing along conveyor belt between 40 m to 50m*
- *Suitable for all materials*

Unique Operational Features and Benefits

- **Uncomplicated Setup and Installation** - The Troughing SureGuide® has been designed to fit into standard SABS 1313-1:1999, CEMA & DIN standards, depending on your requirements.
- **Suits a Wide Range of Belt Sizes** - Available in 3-roller or 5-roller systems, for conveyor belts ranging in width from 450mm to 2600mm and any inclination angle you require; 35° and 45° being the most popular.
- **Intuitive Design for Extreme Environments** - Special hardened steels and precision machining as well as Robotic Mig welding is used to manufacture the TSG frames. The frame and steering rollers can handle belt edge damage and bulky loads.
- **Contributes to Conveyor Belt Life Span** - Immediate and better belt steering attributes prevents damage to other systems that work on the troughing side of a belt (for example samplers and belt scales), and reduces belt damage.
- **Cost Effective Operations** - The Troughing SureGuide® prevents spillage and decreases labour clean-up costs and downtime. Low maintenance requirements means that your team can concentrate on other production and operational issues.
- **Immediate Response to Belt Misalignment** - The Troughing SureGuide® is a fully mechanical pivot and tilt frame which responds to the smallest belt misalignment, gently guiding the belt back to the centre of the frame. Up to 50 meters of belt can be corrected with a single troughing frame.
- **Business and Operational Confidence** - Competitive pricing and high levels of service ensure that personnel commissioned to manage a conveyor belt system can access products and advice when they really need it. All SureGuide® products are supplied with a two year warranty.



Troughing SureGuide® Ordering Information

Item Number	Belt Width	
	in	mm
3 Roller System		
BTT018-TSG45/3/35	18	458
BTT024-TSG60/3/35	24	600
BTT030-TSG75/3/35	30	750
BTT036-TSG90/3/35	36	900
BTT042-TSG105/3/35	42	1050
BTT048-TSG120/3/35	48	1200
BTT054-TSG135/3/35	54	1350
3 Roller System Heavy Duty		
BTT042-TSG105/3/35HD	42	1050
BTT048-TSG120/3/35HD	48	1200
BTT054-TSG135/3/35HD	54	1350
BTT060-TSG150/3/35HD	60	1500
BTT064-TSG165/3/35HD	66	1650
BTT072-TSG180/3/35HD	72	1800
BTT084-TSG210/3/35HD	84	2134

Please use this guide to select the best series for the individual application.

Calculating Requirements and Ordering Information

The Troughing SureGuide® will be supplied after analysis of the following requirements:

- Operational situation of the conveyor belt
- Belt width, class, size and speed
- Tonnes per hour
- Frame spacing
- Troughing frame currently in use.

sureguide

BENETECH®

Please consult your Benetech Representative for additional information.

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