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TRAMCO, INC.

TRAMCO® Conveyor

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Volume 3

TRAMCO Feature

TRAM-3 SHIP UNLOADER

Mobile 3-legged (shown) or stationary ship unloader.
Capacity up to 1000 TPH.

TRAMCO JETBELT™ Air Supported Belt Conveyor

An efficient system requiring less horsepower than other systems.
Used for dry bulk handling requirements in a variety of products.

TRAMROLL™

Enclosed belt conveyor with innovative features such as; self-reloading and self-cleaning tail section, and multiple inlets. The heaviest duty design in the industry.

TRAMCO MODEL RB

Designed for self-cleaning and quiet operation with a u-shaped trough for handling soft stock or materials that are easily crumbled or broken.

TRAMCO MODEL G

Built standard with 10-gauge construction to accommodate large capacities of free-flowing materials. Provides years of trouble-free service under extreme applications.

TRAMCO MODEL RS

An economical en-masse conveyor for grain handling. Features a rectangular all-formed mild steel trough. Available in 10-gauge, 3/16" or 1/4" construction. A hard worker for moving soft stock.

TRAMCO BULK-FLO™ The Work Horse

Centrifugal Discharge design used for the bulk handling of free-flowing fine and loose materials with small to medium size lumps. Built-to-last for the toughest requirements.

TRAMCO BULK-FLO™

The heavy-duty chain conveyor designed specifically for processing applications such as; wet and sticky, varying sizes and densities, and abrasive or corrosive materials.

TRAMCO

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Bucket elevator boot 1200MT



G-Model chain conveyor tail section 1200MT



This TRAMCO galvanized 1200 metric ton bucket elevator, and 1200 metric ton chain conveyor are located at "Dubai Oil Mills of Al Ghurair Foods", the United Arab Emirates. The discharge height of the bucket elevator is 72 meters. It has a head pulley 60" in diameter and a face width of 77". It utilizes four rows of 16"x 8" cups. The chain conveyor is 60" wide and 32" tall Model G with two stands of WH132 chain. It is 95'-0" (14 meters) long.



Maintenance Tip

TO ASSEMBLE A CHAIN WITH AIR ASSIST HYDRAULIC CLAMP

To assemble a chain certainly the easiest and most effective way is using a portable hydraulic press as viewed in Fig.1.

Directions:

1. Oil pin thoroughly with 30 weight motor oil before you attempt to assemble.
2. Be sure to use the correct chain adapters for the chain being assembled. Adapters are labeled with chain number.
3. Place pin in chain joint to be assembled by hand as far as possible. Line up pin locking flats where applicable; tap pin with hammer to "Snug-up", (improper alignment could shear hole).
4. Place chain joint securely in saddle with pin head facing toward ram.
5. Apply pressure with the hydraulic hand pump. Be sure that ram is squarely on pin head.



Fig.1

TO ASSEMBLE A CHAIN MANUALLY

Directions:

1. Oil pin thoroughly with 30 weight motor oil before you attempt to assemble.
2. It is important to use a heavy back up bar counter bored to receive the pin.
3. Manually insert the pin through both sidebars to ensure a proper alignment.
4. Strike the head of the pin with a mighty force, as shown in Fig.2, until the pin head is flush with the sidebar.



Fig.2

Inside TRAMCO



On January 17, 2005, Ricardo Gomez-Reggeti rejoined the TRAMCO team as the Vice President of Sales for Latin America. He has 9 years prior TRAMCO employment experience and says that the friendly attitude of the co-workers, the teamwork environment, the high level of quality products, and the dedicated commitments to customer service are a few of the reasons why he has decided to come back.

Ricardo is bilingual with his native language being Spanish and has over 15 years of international sales experience in bulk material handling equipment and industrial applications. He will be focussing on developing our business, working directly with customers, and our alliances in Mexico, Central and South America. Ricardo and his wife Brenda have two sons, Nicholas, 13, Shawn, 10, and twin daughters, Victoria and Amanda, 8. His favorite past times are competing in triathlons, coaching soccer and camping.

TRAMCO Standard



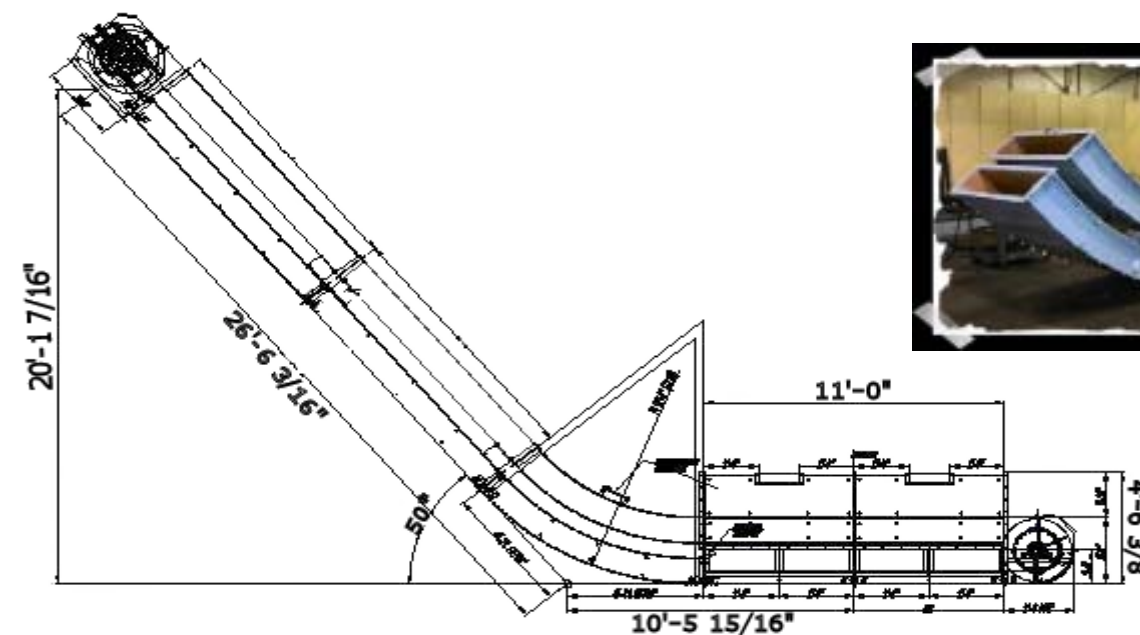
Tramco combines a walking tooth and a totally split sprocket double life, with the convenience of replacement without dismantling equipment. Sprockets can be relieved for wet and sticky applications. Split walking tooth sprockets are for use with TRAMCO's 6" pitch chains.



Relieved split sprocket

Case History

SPECIAL MODEL G - BULK FLO



48"x32" G-BULK FLO MODEL CHAIN CONVEYOR ASSEMBLY
MK.NO.02-2186-001-001



This conveyor is a 48" wide and 32" tall Special Model "G"-DT that was designed and supplied to Consolidated Grain & Barge at Savanna, IL. It is designed to handle between 35,000 and 40,000 BPH of whole grain from the truck pit to storage.

This conveyor was specially designed by Tramco to enable CGB to overcome a very small and existing truck dump pit and increase truck receiving capacity to the maximum. Service is a key factor that must be provided to the customer and they had to wait for the pit to empty before they were able to pull away.

You will also notice that TRAMCO designed and built a *flared by-pass inlet*. This flared inlet also created more room in the existing pit for greater holding capacity of the actual truck dump pit.

The tail section of this conveyor was designed and built with a *stationary* tail shaft and a *contoured* tail back plate to help in keeping the back of the tail section clean. The *take-up assembly* was built into the *head section* of this conveyor with a 60 HP shaft mount drive.

Because of the 48" conveyor width, we installed two stands of WHX132 chain assembly to help pull the load.

"A very unique design for a unique situation. Thanks to all the Tramco staff for developing a great product", said Mr. Roger Dowdy, Head of US Operations, Consolidated Grain & Barge.