



**— BROCK SOLID<sup>®</sup> —**

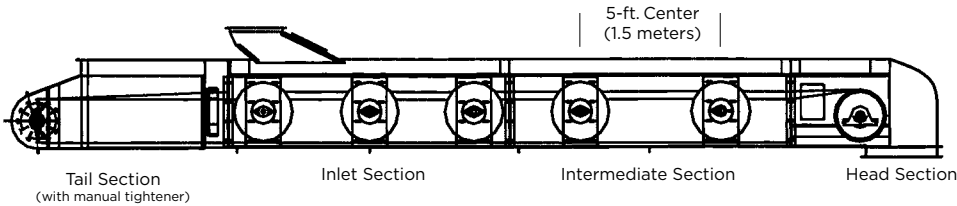
# **ENCLOSED ROLLER-BELT CONVEYORS**



**Safeguarding Your Grain<sup>®</sup> Since 1957**

# Conveying Your Grain Efficiently & Reliably

## Engineered for durability and added value



**B**ROCK® Enclosed Roller-Belt Conveyor Systems offer you the added-value quality features and the rugged design needed for gentle, efficient and dependable conveyor operation:

- Galvanized steel construction.
- Clean, dependable, long-lasting operation with the conveyor's totally-enclosed dust- and weather-tight design.
- Conveyors are computer-matched to the motor drive and gear reducers needed for efficient, energy-saving operation.

- Able to start under full load.
- Smoother belt operation is provided by Brock's unique, heavy-duty idler pulley designs.
- Efficient, self-cleaning tail section recaptures grain spilled from belt.
- Inlets and head discharges are fully-lined with urethane for long life.
- Self-aligning, heavy-duty bearings mount on outside of conveyor's housing for easy maintenance and monitoring, longevity and safety.



**BROCK® Enclosed Roller-Belt Conveyor System** rugged design.



**Shipped pre-assembled** in sections up to 20 feet (6 meters)



### Features & Options

- **Designed for Commercial and Mill Operations**
  - Reclaim Conveyor
  - Fill Conveyor
  - Transport Conveyor
  - Multiple Commodities
- **Gradual Inclines and Sharp Upbends**
- **Gravity Belt Take-Ups**
- **Intermediate Discharge Units**
- **Conveyor Sensor Options**
- **Conveyor Belting Options**
- **Removable Panels to Facilitate Belt Splicing**
- **Removable Panels for Return Belt Cleanout**
- **Inspection Doors for Safe Visual Check of Belt Alignment**
- **Intermediate Sidewall Inspection Doors**
- **Floor Supports and Hanger Brackets**
- **Self-Cleaning Tail Pulley Design**
- **Conveyor Skirting**
- **Easy Removal of Conveyor Trough Section Lids**
- **Hinged Tail Pulley Cover for Easy Maintenance Access**
- **Factory-Assembled in 20-ft. (6-m) Sections for Faster Field Installation**

# Enclosed Belt Conveyor Intermediate Discharge Unit

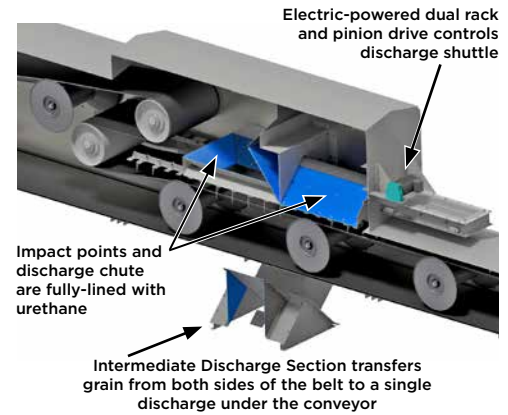
## Allows one conveyor to service many bins/silos

With the **BROCK® Intermediate Discharge Unit**, one enclosed roller-belt conveyor system can have multiple discharge points to easily service many bins! It is grain conveying at its best. Here is why:

- BROCK Intermediate Discharge Unit is easy to install and service.
- Works with BROCK Enclosed

Roller-Belt Conveyors in belt widths from 26 to 54 inches (650 to 1350 mm) and speeds from 400 to 700 feet per minute (2.0 to 3.6 meters per second).

- Retrofits to existing BROCK Roller-Belt Conveyor Systems.
- No moving parts come in contact with the belt.



## Specifications – Brock takes a balanced approach to conveyors

A smooth-operating conveyor system happens only by design. For an enclosed roller-belt conveyor that provides longer bearing life, smoother operation and minimizes vibrations, Brock incorporated the following design features:

- Full-length shaft with positive-locking tapered bushings on idler pulleys provide uniform weight balance.
- Pulley and bearing shaft is 1-1/4-inch (32 mm) diameter for less deflection and longer conveyor bearing life.
- Idler pulleys in the conveyor's standard intermediate 10-foot (3-meter) sections are mounted on 5-foot (1.5-meter) centers for

efficient belt operation and less spillage between carrying and return belts. Other intermediate section lengths are available.

- Conveyor loading section features

pulleys on 3-foot (914-mm) centers for uniform belt loading and support at load points.

- All idler pulleys are adjustable for belt training.

### Brock Conveyor Capacities

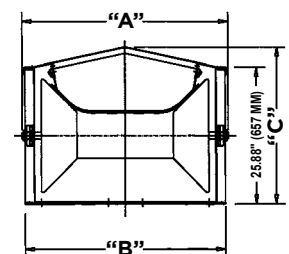
		Belt Speed (Feet per minute / Meters per second)						
MODEL	UNITS	400/2.0	450/2.3	500/2.5	550/2.8	600/3.0	650/3.3	700/3.6
26	Bu/Hr	10300	11600	12900	14100	16400	16700	18000
	MT/Hr	261	294	327	359	392	425	457
30	Bu/Hr	13100	14800	16400	18100	19700	21400	23000
	MT/Hr	333	376	417	459	501	542	584
36	Bu/Hr	17100	19300	21400	23600	25700	27900	30000
	MT/Hr	435	490	544	599	653	708	762
42	Bu/Hr	22900	25700	28600	31400	34300	37100	40000
	MT/Hr	581	653	726	798	871	943	1016
48	Bu/Hr	27600	31100	34500	38000	41400	44900	48300
	MT/Hr	701	789	876	964	1052	1139	1227
54	Bu/Hr	33000	37200	41300	45400	49600	53700	57800
	MT/Hr	838	944	1049	1154	1259	1364	1468



**BROCK® Enclosed Roller-Belt Conveyor System's** rugged design.

### Conveyor Dimensions

Belt Width		"A"		"B"		"C"	
INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
26	650	33	838	32	813	29.3	744
30	750	37	940	36	914	29.6	752
36	900	43	1092	42	1067	30.2	767
42	1050	49	1245	48	1220	30.8	782
48	1200	55	1397	54	1372	31.1	790
54	1350	61	1549	60	1524	32.0	813



# A Full Line of Brock Solid® Solutions



## Storage

- Stiffened & Non-stiffened Grain Bins
- Stiffened & Non-stiffened Hopper Bins
- Temporary Storage
- Bin Access Doors
- Grain Aeration Floors

## Handling

- Grain Sweeps
- Grain Conveyors
- Bin Unloading Systems
- Bucket Elevators
- Distributors & Accessories

## Drying & Conditioning

- Low-Profile Grain Dryers
- Tower Grain Dryers
- Centrifugal & Axial Fans
- Heaters
- Controls

## Structures

- Catwalks
- Bucket Elevator Towers & Stairways
- EVERLOC® Roof Mount System
- Support Towers
- Slot & Tab Construction

**B**rock Solid® is our guarantee of trusted reliability you can count on day in and day out. It is the guarantee of unmistakable quality, built to last year after year. It is the same guarantee we founded the company on back in 1957.

facility solutions that are available today. You will find the quality you have come to expect and the trusted integrity you deserve. Brock Solid delivers. Always has, always will.

That focus on providing dependability has resulted in the full line of grain



—**BROCK SOLID**—

Safeguarding Your Grain® Since 1957

## BROCK GRAIN SYSTEMS

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