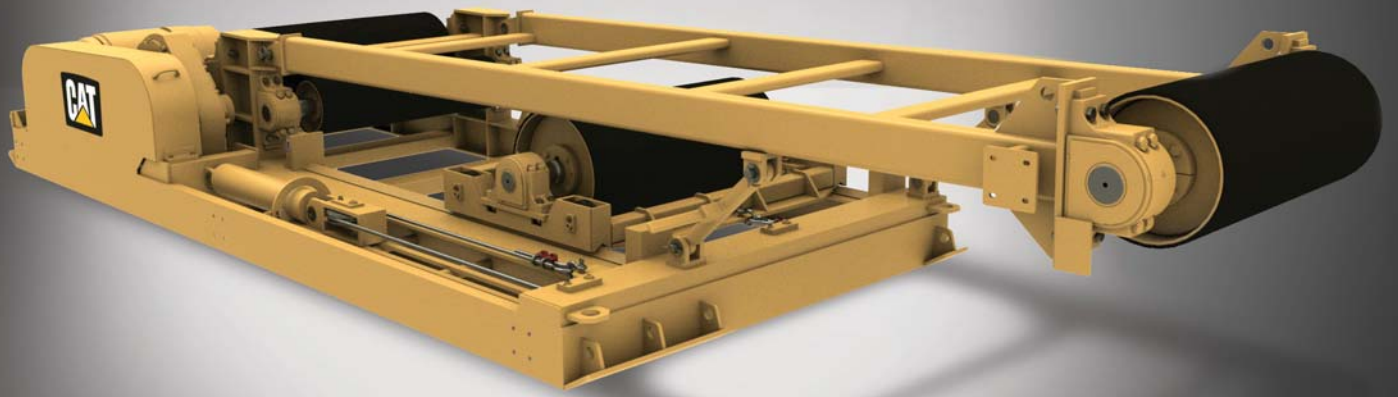


# Pre-Engineered Belt Terminal Groups

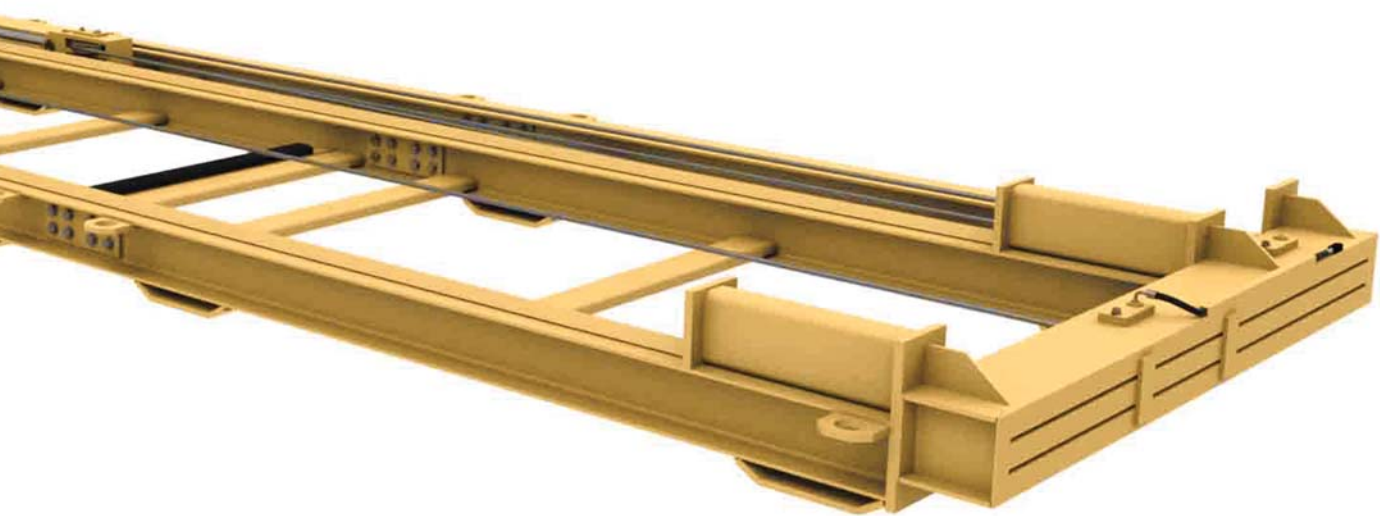


# Pre-Engineered Solutions



## Contents

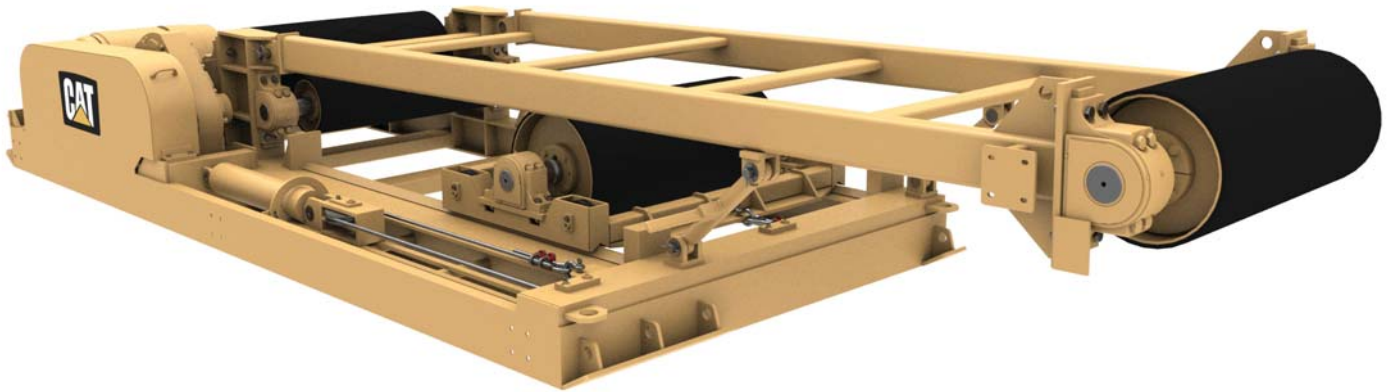
- Drives .....4
- Hydraulic Take-Ups .....5
- Remote Discharges .....5
- Loading Sections.....6
- Specifications.....7



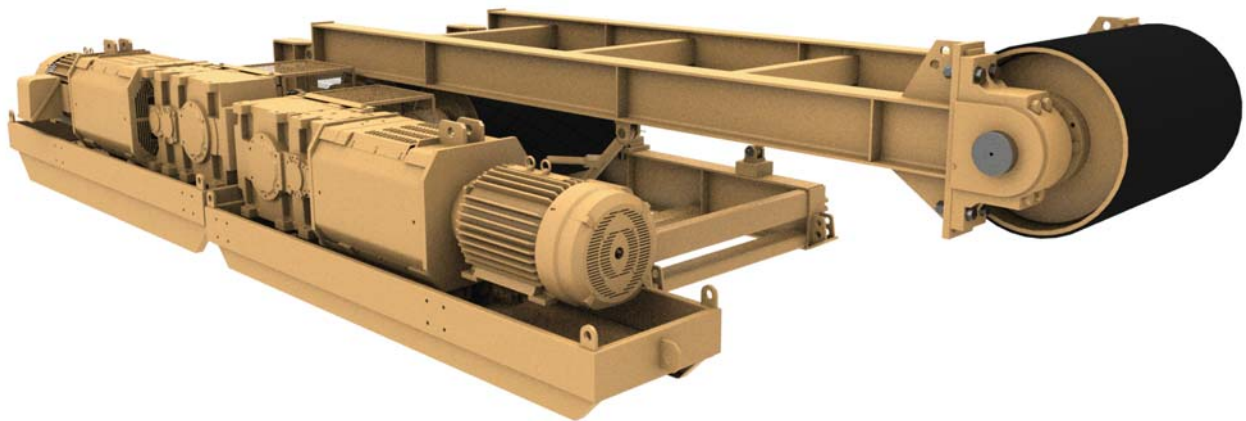
**Pre-engineered systems reduce lead times and can be used in multiple bulk-material handling applications.**

# Drives

Cat<sup>®</sup> drives are designed for ease of setup, installation and transportation in and around the site.



*Pre-engineered Combo Drive*



*Pre-engineered Alignment-free Drive with Discharge*

## **Combo Drive (150 hp)**

- Drive, discharge, and take-up on one base
- Attached boom with ratchet jacks
- 1.5 m (5 ft) take-up carriage travel
- 7.5 kW (10 hp) hydraulic power pack
- Perfect for short panel runs up to an average of 450 m (1,500 ft)
- Low transportation height

## **Alignment-free Drive**

- Drive pulleys with MSHA approved diamond lagging
- Power modules mounted in transport sleds
- Ridged flange low-speed couplings with guarding
- Heavy-duty primary belt cleaner assembly

# Hydraulic Take-Ups

Take-ups apply continuous and accurate tension supporting slack removal and responsive belt tension.



*Pre-engineered Take-up*

- Heavy-duty two-piece frame
- Drum pulleys with MSHA approved rubber lagging
- 6 or 9 m (20 or 30 ft) of moving carriage travel
- Solid diameter sheaves with brass bushings, pins and grease fittings
- Non-rotating wire rope and hardware

# Remote Discharges

Designed for multiple transfer points, the remote discharge efficiently transfers material from one conveyor to another.



*Pre-engineered Remote Discharge*

- Heavy-duty welded base frame
- Discharge pulley with MSHA approved rubber lagging
- Designed with either fixed or adjustable boom

# Loading Sections

Cat tail sections are designed to receive discharges from a variety of haulage equipment.



*Tail Loading Section*



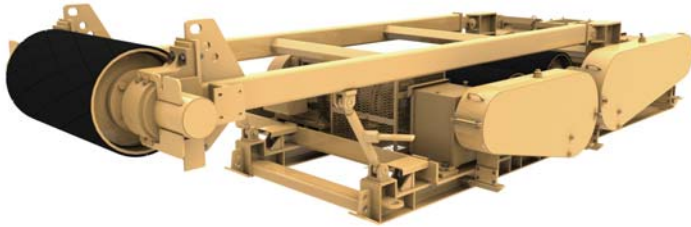
*Intermediate Loading Section*

- Lubrication manifold both sides
- Removable panel guarding
- Return V-plow or side plow
- Spiral tail pulley for tail
- Impact slider bed
- Heavy-duty sloped- or flat-frame standard design
- Low profile
- Tail and intermediate loading designs

## Advantages of Pre-engineered Belt Terminal Groups

- **Mobile** – easy to move in and around sites
- **Flexible** – can be used in multiple applications (within design constraints of the Belt Terminal Group)
- **Fast** – reduce lead times

# Pre-Engineered Belt Terminal Groups Specifications



## Drives

Power – Total Installed Power	223 to 372 kW	150 to 500 hp
Belt Width – Maximum	1220 mm	48 in
Belt Speed	2.8 to 3.3 m/sec	550 to 650 ft/min
Capacity	1633 to 1996 tonnes/h	1,800 to 2,200 ton/h



## Remote Discharges

Belt Width – Maximum	2140 mm	84 in
Design	Remote A-frame, Remote Adjustable Boom	



## Take-Ups

Belt Width – Maximum	1220 mm	48 in
Carriage Travel	6 to 9 m	20 to 30 ft
Design	Hydraulic Cylinder	



## Loading Sections

Belt Width – Maximum	2140 mm	84 in
Design	Tail, Intermediate	
Belt Plow	V-plow, Diagonal	

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

AEHQ6939 (03-2014)

© 2014 Caterpillar  
All rights reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

