Rigid Belt Structure

Larger volumes of tonnage being produced by improved mining techniques created a need for heavier conveyor construction to handle these loads, while maintaining flexibility and short move-up times.

Link-Belt® rigid channel construction fulfills these requirements. Rigid stringer construction can be furnished using 3” - 6” channel as required. Both floor mounting and roof mounting are available.

Mine Duty - Constant Duty - 200HP VFD Winch Skid
Designed for Hamilton County
By Syntron Material Handling

Safety Features:
- Arc Flash Protection - Interlocked with the AC Input circuit breakers
- Emergency Stop Circuit
- Skid VFD Doors Opening
- Isolated AC Input and Motor lead connections
- Input AC and VFD DC power indicator lights
- All doors and circuit breakers are Lockable
- Designed for lock/out – tag/out

Performance Features:
- ABB ACS880 DTC 200HP Heavy Duty, 460vac, 60Hz
- Ethernet Communication
- Rockwell Automation PLC - RSLogix Controls
- Selectable for a Quad + Winch
- Rockwell Automation Panel View Plus Machine Man Interface
- Isolated compartment for controls
- Easy VFD access with Pull Out
- Special Air to Air Heat Exchanger Design via internal

The addition of a Bitumastic finish provides excellent corrosion resistance.
CEMA Series F5000 Idlers

**Bearings:**
- Precision tapered roller bearings; LM25500 with 1-3/8” bore
- Bearings/shaft are designed to accommodate bearing misalignment under fully rated loads
- L10 bearing life > 60,000 hrs @ 500 rpm, exceeds load ratings of 6310 ball bearing products

**Frames:**
- Inverted angle frame base with slotted foot straps to ensure quick, easy mounting and alignment
- Heavy-duty, die-formed, steel end brackets are contoured for generous clearance to safeguard against spilled materials becoming jammed and impeding the rotation of the rollers
- All idler frames are welded in accordance with AWS D1.1 specifications for structural welds

**Seal:**
- Rubber triple lip contact seal paired with a zinc plated, machined steel deflector nut with integrated labyrinth seal for robust, redundant sealing capability
- Seal works well in dusty conditions and wash down environments

**Coatings:**
- Frames and rolls are powder-coated (see page 155 for details)
- Assembly hardware is electro-zinc plated

**CEMA:**
- Idlers meet or exceed CEMA requirements for rugged, continuous material handling
- Multiple belt widths and models available to meet your needs

**Roll Thickness:**
- 7” diameter = 0.250”
- 8” diameter = 0.250”
- 6” diameter rolls are available

**Testing Capabilities:**
- Load rating
- Seals
- Roll concentricity
- Roll resistance
- Roll imbalance
- Water resistance

One of the following letter suffixes may sometimes be necessary to complete an idler description:
- **P** - Polyethylene rolls
- **R** - Rubber lagged impact or rubber tread rolls
- **RC** - Rubber lagged impact center roll
- **W** - Scale idler
- **U** - Urethane coated or lagged rolls
- **GAL** - Galvanized frame

www.syntronmh.com