

Longwall Services

Cullet Quench Conveyor

www.longwallservices.com

Features:

- Robust design
- Forged steel round link chain with no pins!
- Hydraulic chain tensioning with manual backup
- Hardened cast steel sprockets
- Heavy duty scrapers with hard surface scraping edges

Features:

- External Bearings
- Specially designed wear resistant steel base or basalt tiles
- Optional top decks to increase gob cooling time
- Optional bottle sinkers

Benefits:

- Reliability
- Low maintenance costs
- Up to five years life for the chain
- 2 year warranty on chain and sprocket
- Proven track record in major glass plants

Reliability:

- Up to 5 years before major overhaul
- Contact any of our customers for verification

Low Maintenance Costs:

- Only up to 4 hours of planned maintenance per month:
 - Tension chain
 - Grease
 - Check oils

*Service contracts available if required

Labor Saving:

- No labor required on a daily basis

Typical Throughput:

- Up to 20 tons per hour
- 48 tons in 24 hours
- Motors up to 7.5 KW / 10 HP
- Gearbox Ratio 650 to 1

Typical Throughput:

- Chain Speeds Available:
 - 5.7 Meters / Min (18.7 Ft / Min)
 - 2.6 Meters / Min (9.3 Ft / Min)
 - 1.4 Meters / Min (4.6 Ft / Min)

Features:

- Custom made to suit each glass company's requirements



Chain:

- Heavy duty mining chain with “D” links and driven by robust sprockets



Chain:

- Chain Specification:
 - 18MM X 64MM Round Link High Tensile Chain and "D" Links
 - ISO 610, BS 2969 DIN 22252 and BC 133

Chain:

- Advantages:
 - No pin type linkage to wear out or seize
 - 3 Year estimated chain life
 - Normal life expectancy running 24/7 in a glass container plant

Chain:

- Forged steel round link chain with no pins



Chain:

- Hardened cast steel sprockets



Flight Bars:

- Heavy duty
- Robust fabricated design
- Hard surfaces wearing edge (500-600 Brinel)
- Estimated life of 3-8 years.
 - Refurbishing hard welded areas if required after 3 years



Steel Base:

- Special design arrived at by working with glass plants



Steel Base:

■ Advantages

- Forms a glass on glass base to extend life
- Allows more water to drain off the cullet before discharge, resulting in a dryer belt
- Wear resistant chevrons are easily replaced
- Easily repaired if damaged by foreign bodies
- Reduced installation time

Bearings:

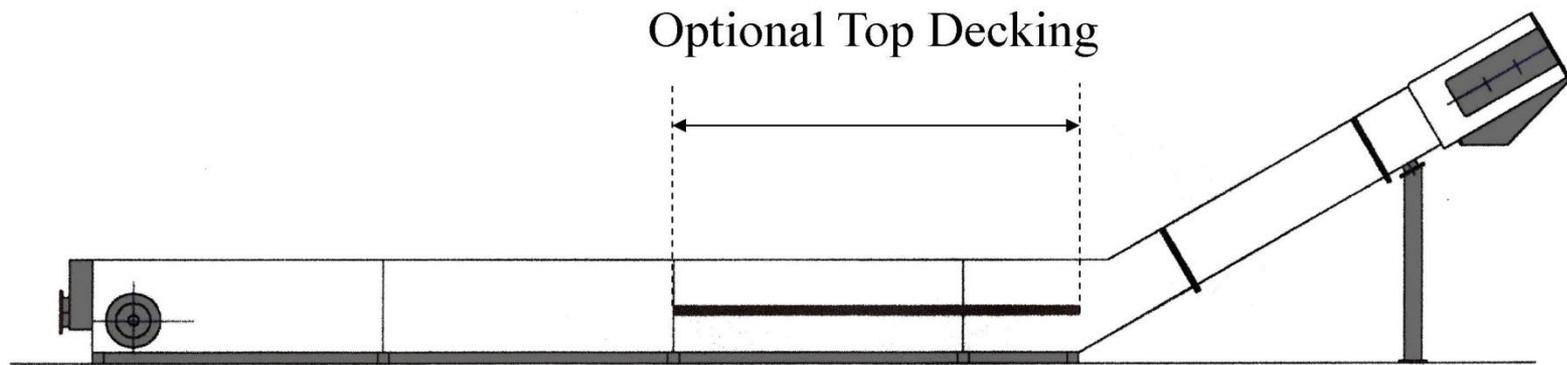
- Mounted externally to extend life
- Speedy sleeves used to protect the shaft
- Protected from water and glass by seals
- Ease of access when changing the bearings



Top Decking:

- This can be fitted to allow sufficient cooling time when the GOB entry is too close to the discharge point
- The glass is transported towards the return end before allowing the glass to drop to the bottom, for conveying to the discharge point

Top Decking:



Hydraulic Tensioning:

- This makes tensioning the chain and flight easy
- Tensioning can be done by only one person
 - Tensioning the chain correctly and maintaining the tension will guarantee trouble free operation and increase chain and flight bar life.



Optional Extras:

- Turn key package
- Water systems
- Bottle sinking devices
- Crushers



Longwall Services

The excellence and unique solutions you expect