

# MoveMaster® CE4000 Chain Conveyors



Bulk Materials Handling  
We've listened and designed them for you...

we make processes work

## Introduction

Schenck Process Group, are leading providers of feeding, automation and bulk solids handling solutions.

With a global network of sites and competent partners, the name Schenck Process is synonymous throughout the world with process expertise and well-engineered measuring technology for industrial weighing, feeding, conveying, screening, automation and air filtration technology.



### Our philosophy is based on...

- ◆ Continuous product development
- ◆ Best practice approach to applications
- ◆ Raising industry standards



### Capabilities

- ◆ Single machine
- ◆ Multiple machines
- ◆ System solutions
- ◆ Installation & commissioning
- ◆ Plant layout & integration
- ◆ Engineering & contract management
- ◆ Professional customer service approach



### Industries

- ◆ Power, Coal, Steel, Cement, Mineral, Chemical, Grain Processing, Brewing/Malting, Flour/Feed, Food, Particle Board, Recycling, Waste Water Treatment

The Schenck Process Group develops, manufactures and markets a full range of solutions, products and turnkey systems on the basis of combining process engineering expertise, reliable components and field-proven technology.

### Members of the Schenck Process Group are:

clydeprocess  
schenck process group



schcnckprocess



redler  
schenck process group



macprocess  
schenck process group



schcnckAccuRate



stock  
schenck process group



pentec  
schenck process group



screenex  
schenck process group



fairfield  
schenck process group





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### **The CE4000**

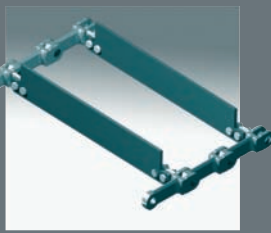
The CE4000 range of en masse conveyors has been developed as part of our policy of continuous improvement and a best practice approach to all aspects of our work in bulk materials handling.

This new generation of Schenck Process chain conveyors directly reflect customers' needs for a machine that operates reliably in demanding environments without risk to the high efficiencies that modern production requires.

Designed with ease of inspection in mind the CE4000 range allows prompt and preventative maintenance to be undertaken with the absolute minimum of plant disruption and downtime.

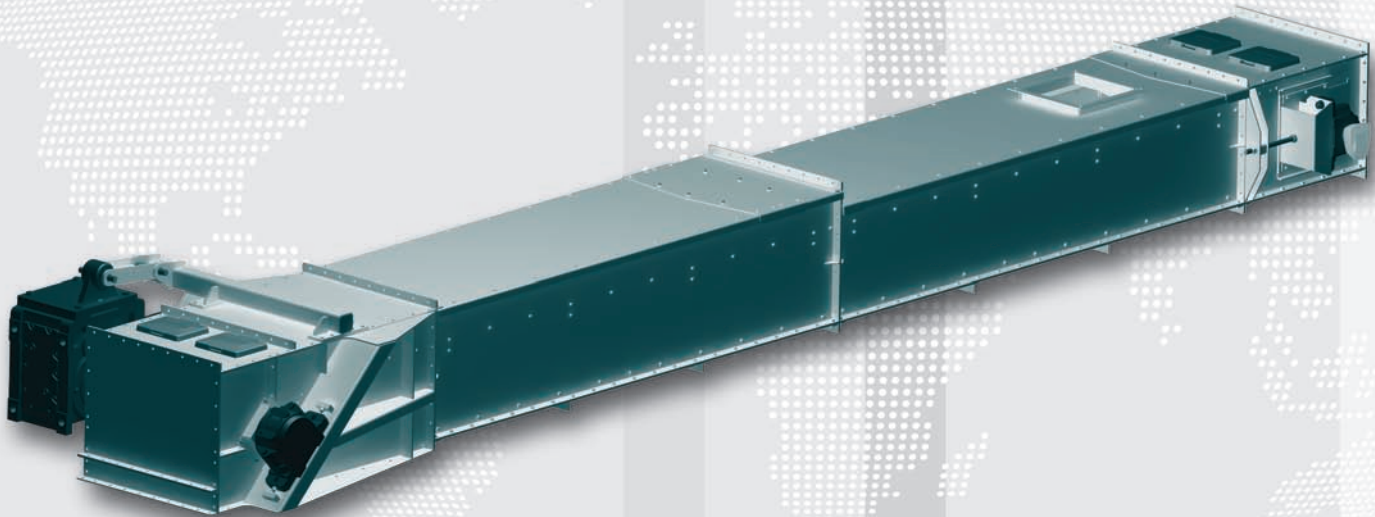
#### **High Strength Chain - Standard**

- ❖ Drop forged from alloy steel
- ❖ Precision machined
- ❖ Case hardened to Rockwell 57 minimum
- ❖ High tensile strength
- ❖ The Schenck Process link minimum tensile strength is our competitor's average





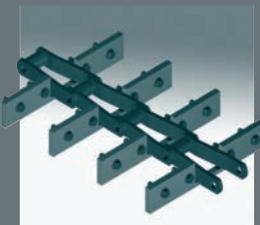
## CE4000 Conveyors



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### High Strength Chain - Alternative

- ❖ Engineered chain
- ❖ Versatile welded steel design
- ❖ Riveted construction
- ❖ High tensile strength
- ❖ Welded flight attachments
- ❖ Extensive flight range available



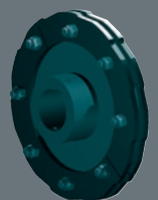
### Driving End

- ❖ Fully bolted segmented drive sprocket assembly for rapid replacement
- ❖ Multi directional sprocket shaft removal
- ❖ Heavy duty robust sprocket stripper
- ❖ Positive landing for pedestal bearing mountings facilitating easy change out



### Tension End

- ❖ Fully bolted segmented trailing wheel assembly for rapid change out
- ❖ Unique profiled trailing wheel for positive chain engagement
- ❖ Visual tension indicators
- ❖ Spring tension system (optional)





**CE4000 Chain Conveyor Range**

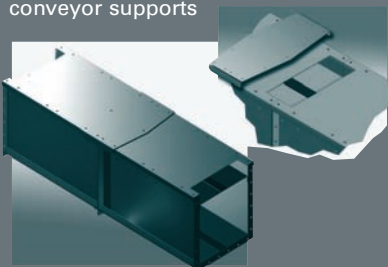
CE Type Chain Conveyor	Sprocket	M/C Width mm	Load Depth (max) mm	Chain Type
CE4022	6T	250	250	T
CE4032	6T	315	250	T
CE4042	6T	400	250	T&I
CE4052	6T	500	250	T&I
CE4033	7T	315	300	T
CE4043	7T	400	300	T&I
CE4053	7T	500	300	T&I
CE4044	9T	400	400	T&I
CE4054	9T	500	400	T&I
CE4055	11T	500	500	T&I
CE4065	11T	630	500	T&I
CE4085	11T	800	500	T&I
CE4105	11T	1000	500	I
CE4125	11T	1250	500	I

**Key Design Elements**

- ❖ Best practice approach throughout
- ❖ Design driven by industry users
- ❖ Constructed to aid preventative maintenance
- ❖ Component condition monitoring
- ❖ Produced for rapid inspection & diagnosis
- ❖ Easy replacement of wear components
- ❖ Chain tension system
- ❖ Lifetime alignment visibility

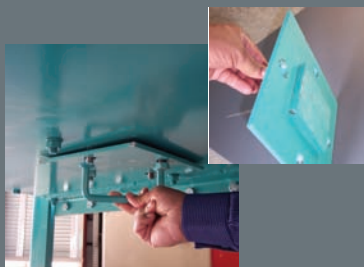
**Casing**

- ❖ Heavy duty & dust tight construction
- ❖ Bolted wearstrips & return runner supports
- ❖ Weatherproof 'Viewports' at each casing joint enabling quick inspection for wear and runner alignment
- ❖ Laser profiled end flanges to connect conveyor supports



**Quickview**

- ❖ Condition monitoring
- ❖ Unique 'Quickview' wear strip sampling point for simple but positive wear monitoring
- ❖ Simple removal & replacement with minimal downtime



**Eye View**

- ❖ Ultrasonic thickness test port for accurate wear strip monitoring (optional)
- ❖ Can be used whilst the conveyor is in operation



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## Protection System

- ❖ Schenck Process RoCon detects abnormal conditions in drive systems & stops machines rapidly
- ❖ Schenck Process Auto Grease automatically dispenses controlled & continuous lubrication to the bearings
- ❖ Schenck Process service / inspection visit on each machine application





- ❖ **Alternative Fuels**
- ❖ **Bio Fuels**
- ❖ **Cement**
- ❖ **Cereal Processing**
- ❖ **Coal**
- ❖ **Chemical**
- ❖ **Food**
- ❖ **Grain**
- ❖ **Mineral**
- ❖ **Particle Board**
- ❖ **Ports & Terminals**
- ❖ **Power**
- ❖ **Recycling**
- ❖ **Steel**
- ❖ **Waste Water Treatment**



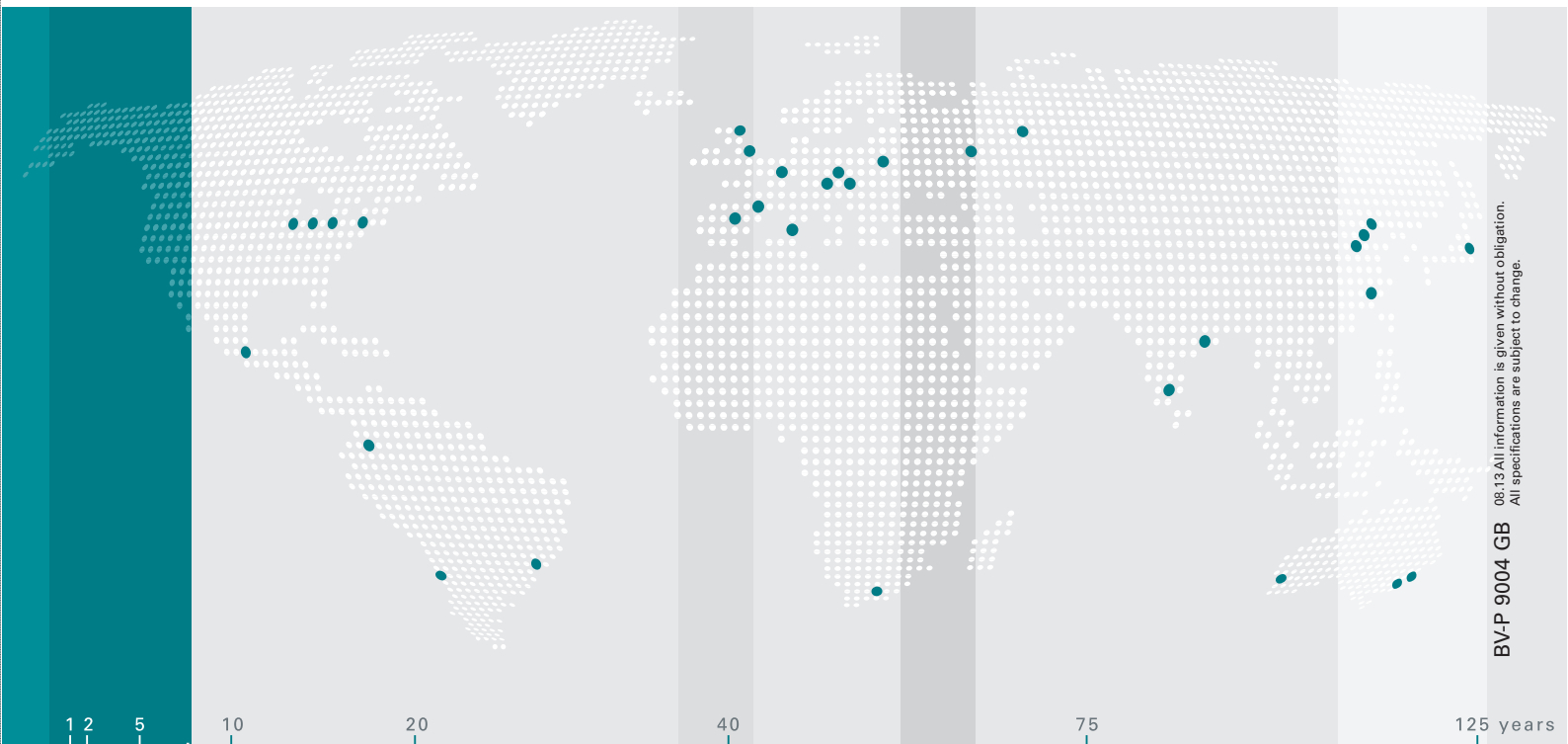
weighing

feeding

conveying

filtration

automation



BV-P 9004 GB 08.13 All information is given without obligation. All specifications are subject to change.

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