



schenckprocess



IntraBulk Reception Unit

## IntraBulk Reception Unit

The Schenck Process IntraBulk Reception Unit is a world leading mechanical conveying solution. This bulk intake system is capable of receiving materials from trucks (or low loaders) and feeding process systems at rates up to 500 tons per hour. The heavy duty system has proved to be successful in the cement, ore, and mineral industries as well as many others.

As an intake device the IntraBulk operates based on the principle of a wide belt apron feeder. This design allows the IntraBulk to properly operate while handling a broad range of materials including coal, limestone, iron ore, sludge, clay, and grain. Because there is no risk of bridging, the IntraBulk can be used as a buffer store as well as providing regulated feed.

The IntraBulk receives material from road tipping vehicles (or front end loaders) and conveys and elevates the material for delivery into the process. This is achieved without recourse to ground excavations and expensive civil engineering.

Construction of the IntraBulk consists of rolled hollow sections and a steel plate designed in a modular form. This form allows units to be tailored in order to suit specific site requirements. Variations in length and inclination can be easily accommodated. The IntraBulk can be delivered to your site completely assembled and already tested making it ready for positioning on a local foundation that was prepared beforehand. Your system can be up and running within hours of delivery.

### FEATURES AND BENEFITS:

- Accepts most products delivered by truck or front loader shovel.
- Forms a loading hopper and feeder in one.
- Above ground installation means no expensive civil work.
- Discharge capacity up to 500 tons per hour.
- Universal application means a variety of materials can be unloaded on the same unit.
- Environmentally friendly.
- Modular construction means simple transport and erection.

### SOME OF THE UNIQUE MATERIALS HANDLED BY THE INTRABULK RECEPTION UNIT:

- Aggregates
- Basalt Stone
- Cement Clinker
- Clay
- Coal
- Grain
- Gypsum
- Limestone
- Metal Oxides
- Ores
- Petroleum Coke
- Quick Lime
- Sands

**For more information, please contact us at 1-800-401-9702 or Fax: 973-882-3796  
E-mail: [mktg@schenckamericas.com](mailto:mktg@schenckamericas.com) Web site: [www.schenckamericas.com](http://www.schenckamericas.com)**

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Specifications

we make processes work

# Specifications

## IntraBulk Reception Unit

### SYSTEM COMPONENTS:

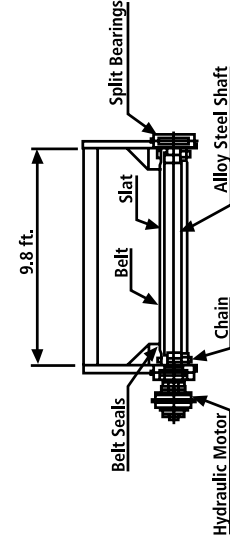
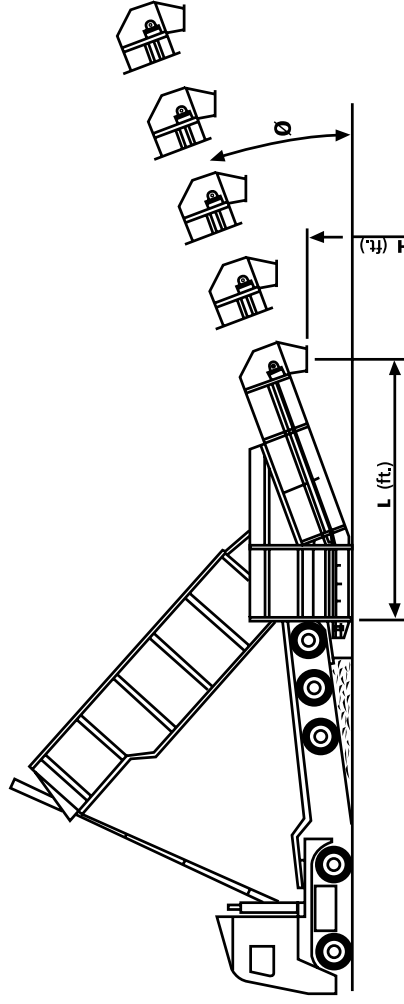
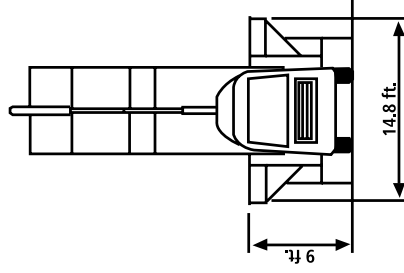
**HEAVY DUTY CHASSIS**  
 ¼ inch mild steel plate that is reinforced and supported. Hopper profile designed to suit specific application.

**CHAIN**  
 6-inch pitch high tensile roller chain. Solid stud and bush connections. 3.5-inch diameter hardened rollers with Manganese runners.

**BELT**  
 Up to 9 feet wide. Specified to suit the material. Vulcanized lip to provide adjustable material seal.

**DRIVE SYSTEM**  
 Electronic motor or hydraulic drive unit is regulated to match the material flow requirements.

**LOCAL ELECTRIC CONTROL PANEL**  
 Wall mounted control panel suitable for connection to a 3-phase supply to provide automatic control of the IntraBulk hydraulic motor and solenoid valve.



Shown above are typical layouts for various lengths and inclinations of Schenck Process IntraBulk Reception Units. Alternative designs are available to suit particular site conditions and other specific requirements.

Size Options			
L (ft.)	H (ft.) θ = 15°	H (ft.) θ = 20°	H (ft.) θ = 25°
23.8	2.6	4.1	5.6
31.7	4.8	6.9	9.1
39.5	6.9	9.7	12.5
47.4	9.0	12.5	16.0
55.5	11.2	15.3	19.5

Dimensions are for preliminary planning only.

### TYPICAL SECTION THROUGH THE INTRABULK RECEPTION UNIT