BUCKET ELEVATOR

CONVEYING







IDEAL SOLUTION FOR VERTICAL CONVEYING OF DRY BULK MATERIAL



GENTLE VERTICAL CONVEYING OF DRY BULK MATERIAL

Cimbria is one of the world's leading producers of conveying equipment for agricultural and industrial products.

The Cimbria bucket elevators are deliverd world wide as singular supplied equipment or as a part of a total solution where they link key machines to form smoothly running industrial plants.

The bucket elevator distinguishes itself by its high degree of durability, safety of working and low power consumption when compared to the capacity.



GSI is a worldwide brand of AGCO

CIMBRI

MEETING DEMANDS AND REQUIREMENTS

The Cimbria bucket elevator is ideal for vertical transport of materials such as grain, pellets and powder. It is highly resistant to wear and can be placed for indoor as well as outdoor use. Various models and sizes are available depending on materials being conveyed and the required capacity. The bucket elevators are manufactured in a modular system and can be delivered in the exact required length and with optional equipment such as various types of buckets and belts, dust aspiration connection, explosion relief panels, platforms, etc.



MODULAR STRUCTURE

The modular structure of the bucket elevators ensures that the user receives precisely the solution that matches his application. The high level of flexibility ensures that modifications and repairs can be carried out with a minimum of disruption of the conveying process which leads to a cost benefit in the form of reduced downtime.

FORM AND FUNCTION

Optimal design and construction make the bucket elevator a reliable and safe solution. The bucket elevators are delivered with mandatory documentation and designed according to valid norms and regulations to comply to the various directives securing the health and safety of the people operating the equipment.

SUPPORT AND SERVICE

We place great emphasis on giving customers the right advice, so that they can select the very best solution – in both technical and financial terms – in collaboration with Cimbria. Our customers can always be certain that the product has been thoroughly tested and documented. In addition, we keep all standard components in stock, which means that we can provide quick and efficient service for our customers.

EXAMPLES OF MATERIALS TO BE CONVEYED

MINERALS	WHITE RICE	PELLETS
SEED	GREEN COFFEE	FERTI- LIZERS
GRANULES	SUN- FLOWER	WOOD CHIPS
MAIZE	GRAIN	POWDERS

BUCKET ELEVATOR CONSTRUCTION

Cimbria bucket elevator range of products contains models constructed to suit various materials and tasks, and it comes with a range of standard features. Standard features cover galvanized or painted execution, antistatic belt, self carrying construction up to 30 meter, with PEHD or HARDOX wear plate in elevator head and in-/outlet, drive terminal with hollow shaft gear, motors and gears from well-known and acknowledged supplier in energy classes IE2 and IE3. Cimbria bucket elevators are manufactured with different types of buckets. An optimal number of buckets per meter belt and nominal belt speed is calculated depending on the specific material and capacity requirements.

The elevator head is a bolted construction and it is complete with a heavy duty main drive shaft mounted on industrial quality ball bearings. The elevators are available with a wide range of accessories.

ELEVATOR HEAD

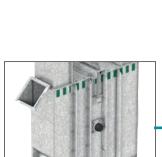
- designed with replaceable wear plates
 delivered with an efficient hollow shaft mounted gear with standard motor and incorporated back stop device to prevent reverse movement in case of unintended stops
- outlet fits the unique Cimbria Q-spouting system
- outlet is turnable allowing discharge in either 45° or vertical down

ELEVATOR LEGS

- easily assembled by means of special assembly clamps and distance pieces, resulting in a sturdy construction
- delivered with a detachable door in full length for service and inspection and easy installation of the belt and buckets.
- available in standard lengths the exact height is easily achieved by means of the height adjustment section

ELEVATOR BOOT

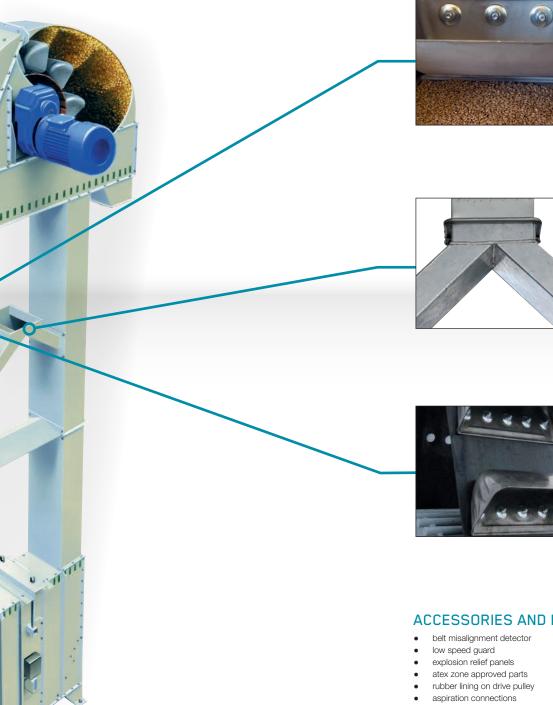
- complete with inlet hopper that fits the unique Cimbria Q-spouting system
- delivered with Cimbria electronic speed guard that switches off the current if the belt starts to slip
- built-in cleaning door
- designed with belt tensioning devices easily accessible on top of the elevator boot
- designed with a crowned tension pulley to
 ensure a straight running belt







MODULAR SYSTEM ADAPTED TO YOUR REQUIREMENTS



ELEVATOR BUCKETS

- available in steel, stainless steel . and plastic
- placed with a distance that ensures an efficient filling of the buckets and optimal handling of the material at a high capacity



- system optionally can the elevator be
- prepared for connection to spot filter



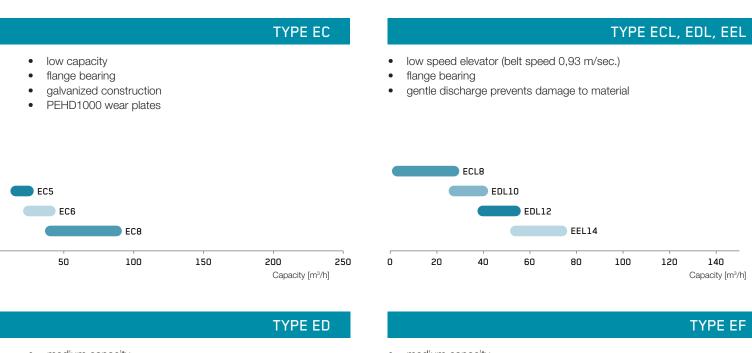
ELEVATOR BELT

- available in many types and qualities.
- antistatic as standard.
- oil- and fat resistant as optional
- food grade as optional
- dimensioned with a tensile strength of 10 times nominal working load

ACCESSORIES AND FEATURES

- top platform single or double sided •

MODELS AND CAPACITIES



- medium capacity
- flange bearing

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- galvanized construction
- PEHD1000 wear plates

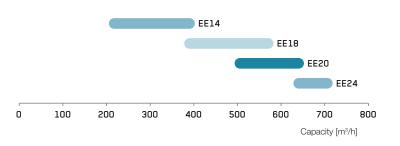


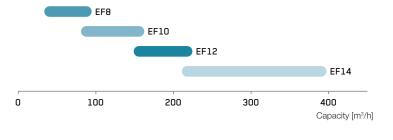
- reinforced top with pedestal bearings
- hot dip galvanized execution
- hardox wear plates



TYPE EE

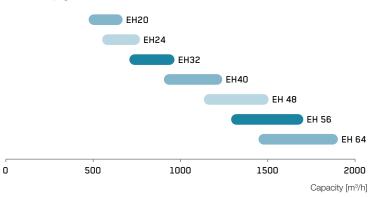
- high capacity
- flange bearing (EE14)
- pedestal bearing (EE18 EE24)
- PEHD1000 wear plates
- hot dip galvanized execution





TYPE EH

- high capacity
- pedestal bearing
- hardox wear plates
- hot dip galvanized execution



BENEFITS



EXPERIENCED AND RELIABLE SUPPLIER

- comprehensive documentation
- high industrial quality
- more than 60 years of experience
- local representation in 60 countries
- numourous installations world wide
- can be supplied as stand alone equipment or as part of a turnkey plant

MODULAR CONSTRUCTION

- easy and quick replacement in case of damaged or worn parts without having to dismount the bucket elevator
- easy assembly
- reliable operation
- minimum of maintenance
- low energy consumption
- minimized downtime = maximized profit for the end-user

COMPREHENSIVE PRODUCT PROGRAMME

- handles all dry bulk materials from industry to agriculture
- customised solutions to suit specific customer requirements
- day-to day delivery of spare parts
- standard components in stock
- extensive range of accessories for all applications
- full compliance with the ATEX directive
- continous development of new products and features



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