

Bucket Elevators

EI



THE IDEAL SOLUTION IN VERTICAL CONVEYING

EI-type Bucket Elevators are designed for vertically conveying bulk solids in powdery or granular form. They are made up of sturdy fabricated sections made from carbon steel. Optionally they are manufactured from 304 or 316 stainless steel.

A wide range of belts and buckets, as well as a vast selection of options and accessories make EI Bucket Elevators suitable for virtually all industrial applications in the area of storage handling and processing.

Available also in
Ex II 3D T4 (135°C) configuration 
and with FDA-certified materials 

Features

- Throughput rates up to 500 m³/h
- Discharge height (Hs) up to 45 metres
- Particle sizes up to 5mm
- Material temperature up to 180 °C
- Nominal conveying speed $\approx$ 1.5 m/s
- Buckets in steel or engineering polymer
- Fabric-reinforced rubber belt (on request oil-resistant, antistatic, self-extinguishing)
- Rubber-coated head roller
- Cage-type foot roller
- Screw tensioning on foot roller
- Finishing: hot dip galvanised and painted



Dedusting nozzle on head section



Head inspection platform



Vast selection of buckets



Anti-wear shields



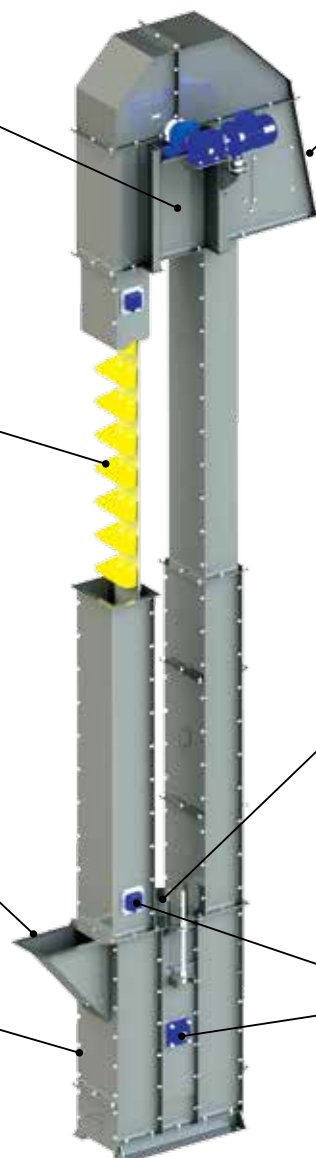
Dedusting nozzle on foot section



Low material residue foot section



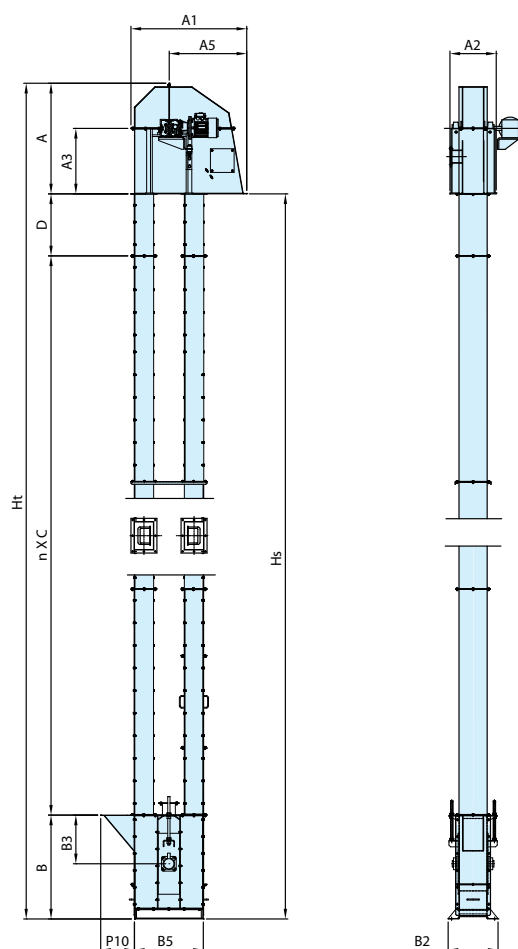
Misalignment and rotation control sensors



Benefits

- ✓ Easy installation due to modular components with compact overall dimensions;
- ✓ Low maintenance;
- ✓ Wide availability of complementary accessories;
- ✓ Low energy consumption.

Overall Dimensions



Type	m ³ /h	Hs (min ~ max)	Casing Cross Section	A	A1	A2	A3	A5	B	B2	B3	B5	P10	C	D	N
EI08	4	3 ~ 45	145x145	765	822	345	460	548	753	310	370	484	273	2,000	500~1,500	variable in relation to Hs
EI09	8	3 ~ 45	145x145	765	822	345	460	548	753	310	370	484	273	2,000	500~1,500	
EI11	13	3 ~ 45	186x166	950	1028	390	580	687	923	384	430	610	329	2,000	500~1,500	
EI20	19	3 ~ 45	236x200	1,172	1,224	440	700	813	1,104	432	510	754	410	2,000	500~1,500	
EI21	27	3 ~ 45	236x200	1,172	1,224	440	700	813	1,104	432	510	754	410	2,000	500~1,500	
EI29	38	3 ~ 45	300x250	1,276	1,422	620	740	961	1,320	490	680	836	481	2,000	500~1,500	
EI30	52	3 ~ 45	300x250	1,276	1,422	620	740	961	1,320	490	680	836	481	2,000	500~1,500	
EI32	68	3 ~ 45	340x280	1,497	1,632	700	900	1,095	1,437	586	710	986	537	2,000	500~1,500	
EI39	87	4 ~ 45	430x340	1,730	1,896	810	1,020	1,299	1,670	700	860	1,110	598	2,000	500~1,500	
EI40	114	4 ~ 45	430x340	1,730	1,896	810	1,020	1,299	1,670	700	860	1,110	598	2,000	500~1,500	
EI41	135	4 ~ 45	525x340	1,835	1,980	962	1,095	1,330	1,806	782	960	1,230	650	2,000	500~1,500	
EI42	174	4 ~ 45	525x340	1,835	1,980	962	1,095	1,330	1,806	782	960	1,230	650	2,000	500~1,500	

Dimensions in mm

Accessories available on request

- Misalignment and rotation control sensors
- Low material residue foot section
- Anti-wear shields on head and foot section
- Dedusting nozzles on head and foot section
- Head inspection platform
- Additional dredging loading spout
- Anti-explosion panels
- Panel breakage detection sensors
- Bearing temperature sensors
- Anti-clogging sensors on foot section
- Centralised lubrication system
- Maintenance hoist on head section

Application



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