

Paint & Varnish Processing

Bucket Elevators EI

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Description ▼

EIS-type Bucket Elevators are specialised for vertical elevation of dry sand and fine aggregates in dry premixed building material processing plants.

Function ▼

The machine consists of a head section with rubber-coated pulley, a foot section with squirrel-cage pulley and a variable number of intermediate sections. Buckets are available in reinforced mild steel or increased thickness Nylon PA6 to ensure high durability against abrasive materials handled.



Application ▼

EIS Bucket Elevators are used for dry sand and fine aggregates having bulk density ranging from 0.8 to 2.5 kg/dm³, and particle size of up to 5mm.

The material, entering through the loading hopper of the foot section, is continuously picked by appropriately shaped buckets fixed on the rubber belt, which is rotating around head and foot roller wheels.

A screw tensioning system enables tensioning of the rubber belt.

The buckets discharge the material through the outlet spout by centrifugal force at a constant speed of 1.5 m/s.

EIS Bucket Elevators are used in dry premixed building material processing plants to fill dry sand and fine aggregates into vertical storage silos.

Benefits ▼

- ✓ **Reliable & durable;**
- ✓ **Easy installation thanks to modular components;**
- ✓ **Low maintenance;**
- ✓ **Small footprint;**
- ✓ **Matching complementary equipment.**



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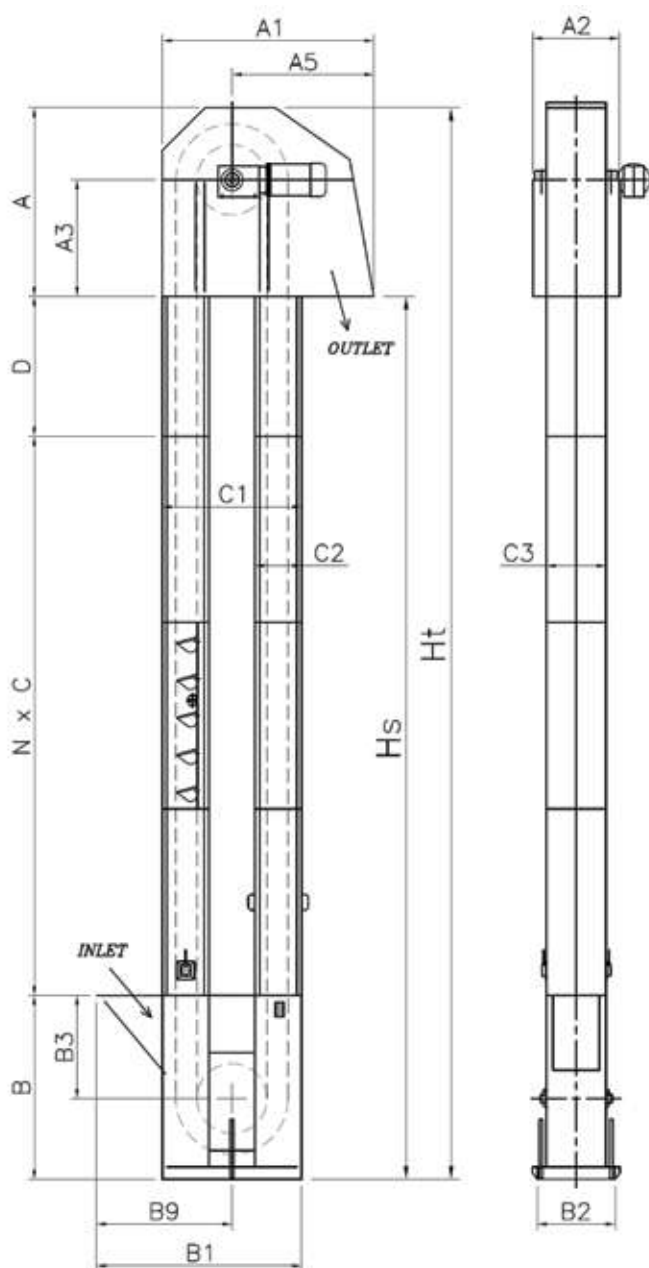
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Technical Features / Performance ▼

- ▶ Throughput rates up to 52 m³/h
- ▶ Discharge heights up to 34m
- ▶ Anti-wear shields on inlet and outlet
- ▶ Plummer-block bearing with packing on head shaft
- ▶ Flanged-block bearing with felt on foot shaft

Overall Dimensions ▼



Rif	08-09	11	20-21	29-30
	mm	mm	mm	mm
A	765	950	1,172	1,276
A1	823	1,026	1,224	1,422
A2	345	410	460	620
A3	460	580	700	740
A5	548	687	812	961
B	753	923	1,104	1,320
B1	814	941	1,136	1,352
B2	310	384	432	490
B3	370	430	550	720
B9	539	604	725	891
C	2,000	2,000	2,000	2,000
C1	550	674	822	922
C2	211	230	264	336
C3	211	250	300	386
D	500-1,500			
N	variable			