



ANDRITZ

FEED AND BIOFUEL
BUCKET ELEVATOR

TYPE BE50-80-150-200-300-500-700

ANDRITZ

ENGINEERED SUCCESS

Bucket elevator

Type BE50-80-150-200-300-500-700

ANDRITZ bucket elevators are designed for vertical conveying of grain, granulates, pellets, and meal products. The bucket elevators are manufactured for industrial use in modern processing plants where a high degree of automation requires solid and reliable construction. The BE series bucket elevators are designed for high capacity – up to 270 m³/h at a maximum height of 50 m and are also designed to be dustproof to meet the requirements of a variety of feed and biofuel applications.

MODULAR CONSTRUCTION

The design of the BE bucket elevator is based on standard, modular elevators, which consist of a bottom, head and pipe section. The sections are connected with bolted flanges for easy mounting. The structure of the elevator is self-supporting up to 30 m but may require lateral support.

STANDARD FEATURES

The elevator comes with one service hatch, a speed guard and belt alignment sensor with an oil resistance belt. Pipe sections are available in lengths ranging from 0,3 – 2,0. There are options for steel or non-metallic buckets.

TECHNICAL SPECIFICATIONS

Type	Capacity m ³ /h	Bucket type	Bucket per meter	Belt width mm	Motor kW	Max. height at max.
BE50	15 / 20 / 25 / 30 / 35	S100-90 HDP-MD	6 / 8 / 10 / 12 / 14	120	1.1 – 5.5	50
BE80	35 / 40 / 44 / 49 / 54	S130-120 HDP-MD	7 / 8 / 9 / 10 / 11	150	1.1 – 7.5	50
BE150	55 / 64 / 73 / 83 / 92	S180-140 HDP-MD	6 / 7 / 8 / 9 / 10	200	1.5 – 15	50
BE200	88 / 106 / 123 / 141	S230-170 HDP-MD	5 / 6 / 7 / 8	250	2.2 – 18.5	50
BE300	106 / 127 / 148 / 169	S280-170 HDP-MD	5 / 6 / 7 / 8	300	3.0 – 22	50
BE500	159 / 191 / 223	S350-180 HDP	5 / 6 / 7	370	4.0 – 30	50
BE700	178 / 222 / 267	S370-215 HDP	4 / 5 / 6	400	5.5 – 37	50

ST - Standard bottom, SC - Self cleaning bottom.

Capacities in m³ for grain.

Specified capacities are calculated based on a belt speed of 2.45 m/s.

Filling level of bucket is stated to be between 75% and 80%.

The data provided refers to a filling level of 80%.



SHAFT-MOUNTED GEARED MOTORS

The bucket elevator is available with shaft-mounted bevel or helical geared motors requiring a minimum of maintenance. The gear motors can be mounted either on the left or on the right, again securing a high degree of flexibility.

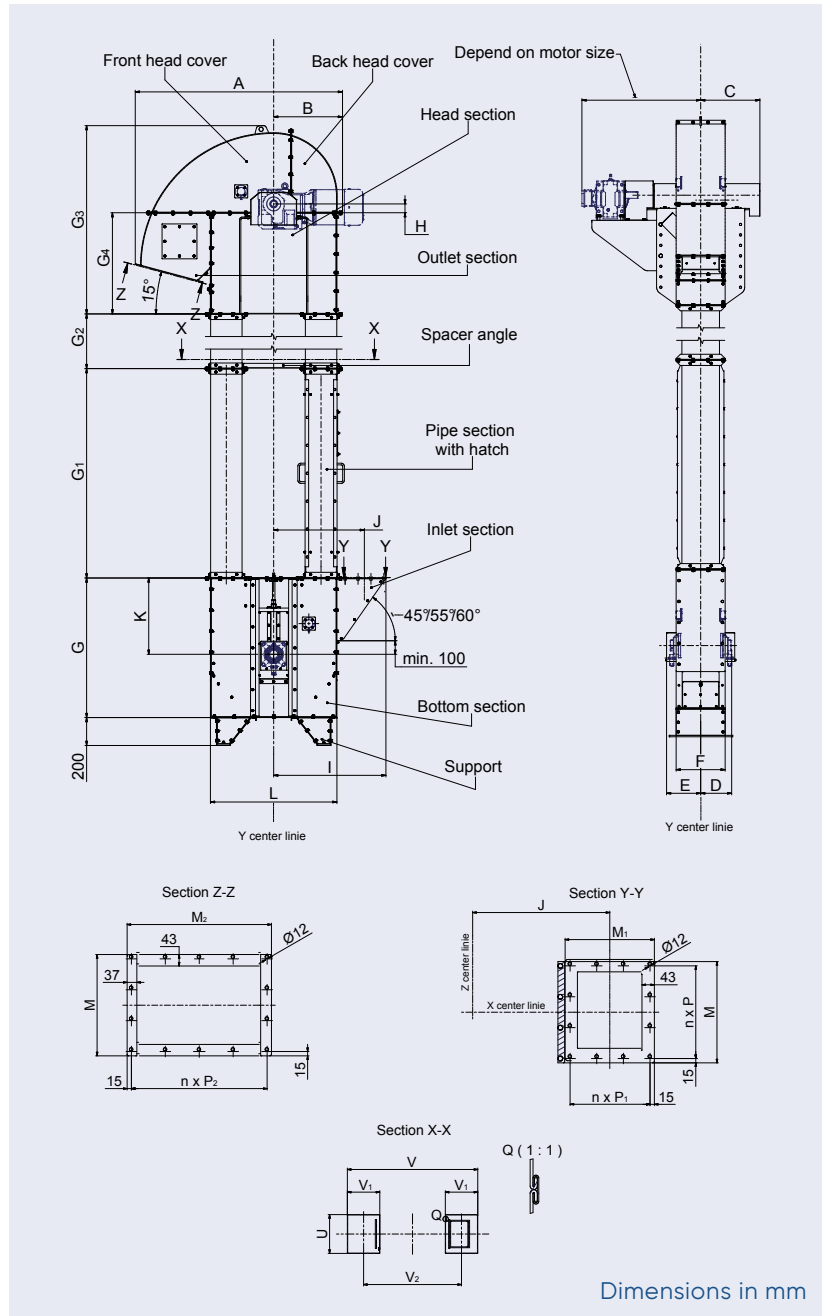
SURFACE TREATMENT

RAL1013, galvanized or stainless steel.

ACCESSORIES PROGRAM

In addition, an extensive accessories program is available, comprising:

- Misalignment control
- Speed guard
- Dust extraction
- Explosion relief
- Inlet regulating
- Spot filter, type DFAK



DIMENSION SKETCH

	A	B	C	D	E	F	G (ST/SC)	G1	G2	G3	G4	H	I	J	K	L	U	V	V1	V2
BE50	1008	330	305	151	180	252	700/850			957	494	61	592	469	402	580	169	574	159	145
BE80	1170	411	392	185	211	286	800/950			1157	610	61	694	547	436	742	204	740	200	540
BE150	1485	493	425	217	244	351	1000/1150	2000/1500 150 - 2000		1350	725	62	804	644	550	906	269	905	225	679
BE200	1715	583	452	245	272	406	1260/1400		1588	855	62	1013	830	717	1086	324	1085	270	814	
BE300	1790	583	477	270	297	456	1260/1400		1628	889	63	1013	830	717	1086	374	1085	270	814	
BE500	2042	659	562	333	364	586	1400/1500		1838	970	90	1139	901	661	1232	504	1236	328	908	
BE700	2325	713	669	346	373	612	1400/1500		2020	1083	85	1298	1009	748	1340	530	1344	354	990	



GLOBAL SUPPLIER – LOCAL PRESENCE

With sales, service, engineering, manufacturing and production sites located all around the world, ANDRITZ Feed and Biofuel is truly a global organization with a local presence. ANDRITZ is vital to ensuring a reliable global supply of aqua feed, animal feed, pet food, and biofuel. With full process lines accounting for half the world's production of aqua feed and biomass alone, we continuously support leading producers in achieving the highest levels in safety, quality, and control from feedstock to final product.

How can we help grow your business?

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