

A Weigh belt feeder
B Control module
C Operator interface
External communication

Each Coperion K-Tron weigh belt feeder consists of the components A, B and C.

The component A is specified on this sheet.

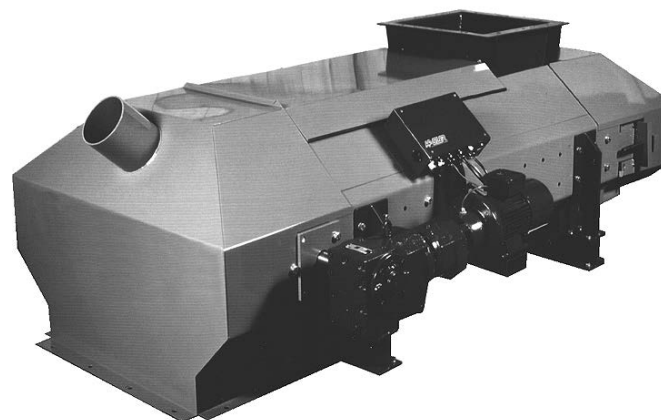
Application

The Smart Weigh Belt Feeder is used for continuous controlled gravimetric feeding of bulk materials. The unit can also be used for gravimetric batch feeding or for continuous metering of bulk material flow.

The SmartConnex® control system allows individual or a multi-component control. Interface-modules for computer communication are installed in the control module.

Construction

- modular construction
- few horizontal surfaces, a minimum of blind angles to avoid build-up of bulk material
- stable due to folded supporting base
- new belt tensioning concept
- new belt-centering system
- three standard belt widths
- speed registration integrated into the drive



Hazardous Location Options: (see sheet I-000002)

NEC Class II, Div. 2, Groups F & G / Class II, Div. 1, Groups F & G
Class I, Div. 2, Groups C / Class I, Div. 1, Groups C
ATEX *consult factory*

Model

Belt Sizes

length in increments of 400 mm (15.7 in)

	Belt width	Standard belt length	Max. belt length
SWB-650	650 mm (25.6 in)	1350 mm (53.1 in)	6950 mm (273.6 in)
SWB-800	800 mm (31.5 in)	1350 mm (53.1 in)	6950 mm (273.6 in)
SWB-1000	1000 mm (39.4 in)	1750 mm (68.9 in)	6950 mm (273.6 in)

Feeding Capacities

The feed rate variation range is 1 : 50 and lies within the maximum feeding capacity range of the belt feeder.

Bulk density [kg/dm³ (lb/ft³)]		
0.50 (31.2)	0.75 (46.7)	1.00 (62.3)
1 000 - 20 000 kg/h (2 200 - 44 000 lb/h)	1 500 - 30 000 kg/h (3 300 - 66 000 lb/h)	2 000 - 40 000 kg/h (4 400 - 88 000 lb/h)
1 500 - 32 000 kg/h (3 300 - 70 400 lb/h)	2 200 - 49 000 kg/h (4 900 - 107 800 lb/h)	3 000 - 65 000 kg/h (6 600 - 143 000 lb/h)
3 000 - 60 000 kg/h (6 600 - 132 000 lb/h)	4 500 - 90 000 kg/h (9 900 - 198 000 lb/h)	6 000 - 120 000 kg/h (13 200 - 264 000 lb/h)

v = 0.3 m/s

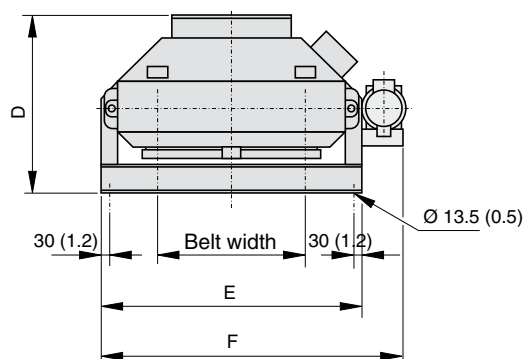
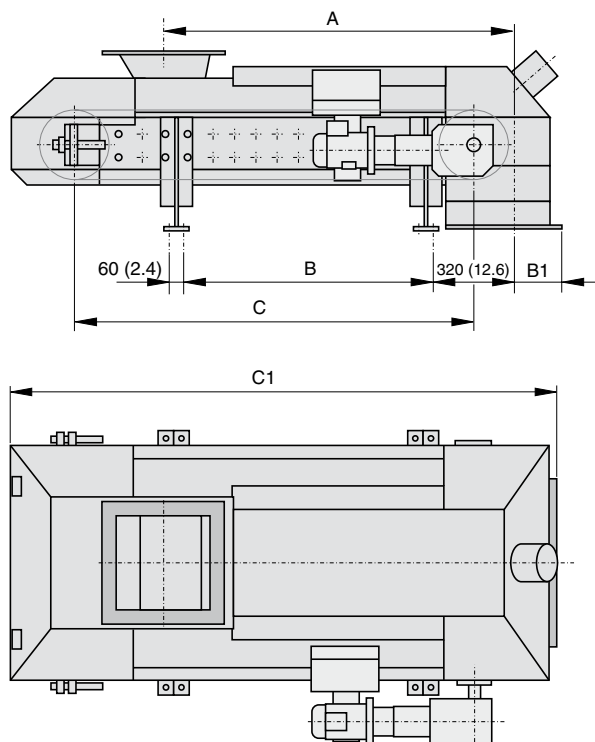
Technical data

Motor:	550 W - 1.5 kW; IP55; AC
Load cell:	SFT-Load cell operation temperature: 0 bis 50°C (32 - 122°F)
Materials	
Housing:	sheet steel
Frames:	sheet steel
Belt:	reinforced rubber
Load cell housing:	alu-casting, anodized
Accuracy:	+/- 0.25 %
Paint:	RAL 5000

Options

- 1 Drive motor IP65
- 2 Larger inlet
- 3 Hopper
- 4 Inlet hopper with vibratory frames
- 5 Choice of color
- 6 Belt material

Dimensions [mm(in)]



Drive left or right.

For definite dimensions, please see the dimension sheet.

Typ	A min.	B	B1	C	C1	D	E	F	Weight kg (lb)
SWB-650	1100 (43.3)	700 (27.6)	229 (9)	1350 (53.1)	2050 (80.7)	850 (33.5)	1140 (44.9)	1350 (53.1)	665 (1463)
SWB-800	1200(47.2)	700 (27.6)	229 (9)	1350 (53.1)	2050 (80.7)	850 (33.5)	1290 (50.8)	1550 (61)	775 (1705)
SWB-1000	1500 (59.1)	1100 (43.3)	470 (18.5)	1750 (68.9)	2690 (105.9)	900 (35.4)	1530 (60.2)	1800 (70.9)	940 (2068)

Caution: these measurements are for general reference only. Please consult dimensional drawing for exact measurements