

Data Sheet 48

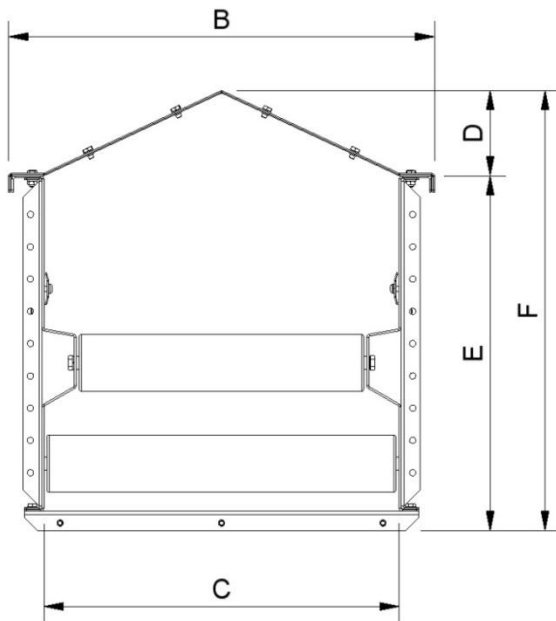
Belt Conveyor GF



Cimbría belt conveyor type GF is a partially enclosed construction designed for continuously conveying bulk materials.

The flat profile belt is particularly suitable for light transport of loose bulk products such as ear corn.

The conveyor may be arranged for horizontal or inclined travel, the angle of slope depending on the character of the goods conveyed and the type of belt.



mm/type	A = Belt	B	C	D	E**	F
GF-400	400	560	450	108	550	658
GF-500	500	660	550	132	550	682
GF-650	650	810	700	167	550	717
GF-800	800	960	850	201	550	751
GF-1000	1000	1160	1050	248	550	798
GF-1200	1200	1360	1250	295	550	845

Type		GF400	GF500	GF650	GF800	GF1000	GF1200
Drive section, excl. gear-motor	kg	285	290	301	310	345	395
Tension section	kg	156	170,5	212	220	245	278,5
Intermediate section, empty, no cover, high sides	kg/m	67	74	75,5	96	109	123
Cover on intermediate section	kg/m	8,5	10	12	15	17,5	20
Max. distance between support ***	m	8	8	6	6	6	6

Standard configuration:

- Antistatic conveyor belt.
- Rubber lagged drive pulley.
- Hollow shaft gearmotor.
- Manual take-up device at tail end.
- Idlers in steel.
- Sealing strips along the length of the load carrying side of the belt.
- Outlet at driving section.

Additional features:

- Oil resistant conveyor belt.
- FDA compliant conveyor belt.
- Conveyor belt with cleats, crescents or flights.
- Reversible operation (outlet at driving and tension section).
- Configuration for ATEX zone 22 and zone 21; internal/ external.

Optional equipment:

- Top covers.*
- Bottom covers (perforated or imperforated).*
- Inlets anyplace along the length of the conveyor except in the tension and driving sections.
- Backstop.*
- Bearing temperature sensing.
- Belt misalignment detector (data sheet 20.3).*
- Shaft rotation sensing (data sheet 49).*
- Pull-cord operated emergency stop switch.
- Support system (data sheet 34.6)

* Installation of certain equipment will be necessitated by the specific application of the machinery.

** If the inclination is higher than 20°, flights are applied to the belt. In these cases the height (E) is different than mentioned in the table.

*** Assumed no extra load from f.ex. bin unload feeder.

Type		Capacity GF Belt Conveyors					
		GF400	GF500	GF650	GF800	GF1000	GF1200
Belt speed	m/s	1	1	1	1	1	1
Product layer thickness	mm	50	50	50	50	50	50
Product layer width	mm	400	500	650	800	1000	1200
Transported volume	m³/h	72	90	117	144	180	216

Modular sections allowing for a wide variety of configurations:

