



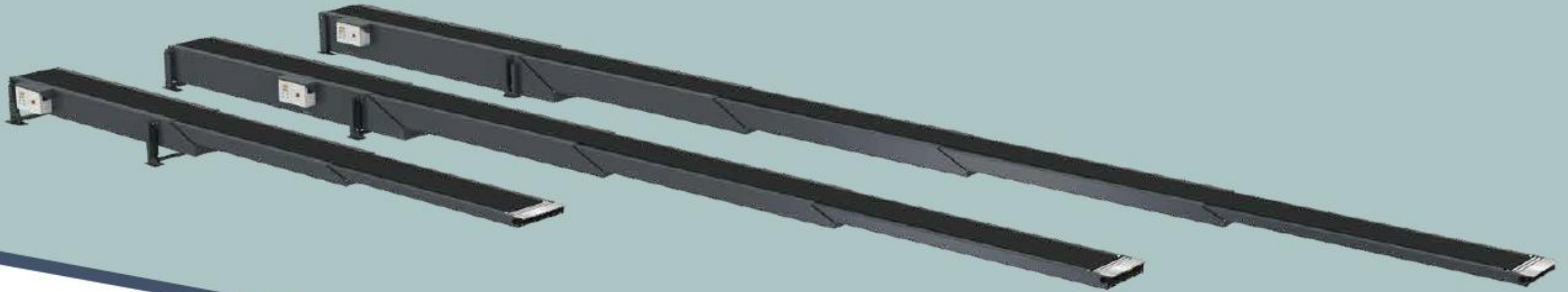
# Telescopic Belt Conveyor

## Catalogue



**Damon**  
*Damon Simplifies Logistics*





# Telescopic Belt Conveyor

The telescopic belt conveyor provides convenient loading and unloading with safe, reliable and efficient operation. The overall construction is ergonomic in design which greatly improves the labor intensity of operators, significantly improve the efficiency of loading and unloading, and help you save time, labor and money.

Through the control button or operating lever, the telescopic belt conveyor can be easily controlled to tilt up and down and freely extend and retract, which can adapt to the vehicle height and reach the loading and unloading position to easily complete the cargo loading and unloading operation. It is especially suitable for handling cartons, woven bags, parcels, luggage, tires, plastic cartons / boxes and other goods with a flat bottom.

## Energy saving

- The unique construction and design greatly reduces the required motor power.
- Ingenious power supply design significantly reduces transformer capacity and cable usage.
- Under the same load, it can save up to 60% more power compared with the traditional standard model.

## High safety level

- The front end and tail end of the extendable conveyor are equipped with emergency stop buttons to easily respond to emergencies.
- All transmission parts have safety protection, rubber brushes and rubber covers to eliminate pinch points.
- The front end of the conveyor bed is equipped with mechanical and photoelectric dual anti-collision devices.

## High efficiency

- The conveying speed is up to 120m/min, which is about 40% faster than similar products.
- High speed transportation can save space while significantly improving the efficiency.
- Efficient transportation can save working hours and reduce staffing.

## Low conveyor bed

- The thickness of the four section telescopic belt conveyor is up to 160mm lower than that of the traditional standard model.
- The thickness of the five section telescopic belt conveyor is as much as 140mm lower than that of the traditional standard model.
- The telescopic conveyor can tilt down at a negative angle and can extend into the back of the trailer making it easier to load and unload.

## Extremely easy to use

- Optional tilt arm adjustment to accurately adjust the angle of the arm according to the height of the goods to provide labor saving unloading operation.
- A front operator cage can be used for staff to stand on to allow them to reach high products which can effectively reduce the impact of loading and unloading (especially suitable for fruits and fragile products...)
- It can be installed on ground rails to provide lateral movement. The telescopic belt conveyor can easily be moved across doors with a button.

## DAMON telescopic belt conveyor VS traditional telescopic belt conveyor

DAMON telescopic belt conveyor	Traditional telescopic belt conveyor
Five section motor power L16m=1.5kW, L21m=3kW	Five section motor power L16m=3kW, L21m=5.5kW
Four section motor power L12.6m=1.1kW, L16m=1.5kW	Four section motor power L12.6m=2.2kW, L16m=3kW
The conveying speed is 35 ~ 120 (M / min) and adjustable by frequency conversion	The conveying speed is 20-85 (M / min) and adjustable by frequency conversion
Four section conveyor bed minimum H580mm	Four section conveyor bed minimum H740mm
Five section conveyor bed minimum H670mm	Five section conveyor bed minimum H790mm



# Product Features

## Hydraulic lifting

Two hydraulic cylinders are used to adjust the height of the front frame of the telescopic belt conveyor so that the front end can be raised and lowered to achieve the optimal operating height. Complete safety measures ensure that the telescopic belt conveyor does not fall when the hydraulic device fails.



## Headlight

The front mounted safe and energy saving LED lamp (or light strip) provides optimized lighting for the working environment.



## Transverse movement

Embedded guide rails in the ground can allow the telescopic belt conveyor to move transversely providing multi-door and multi-channel loading and unloading operation or moved clear to make way for forklifts.



## Hand lever operation

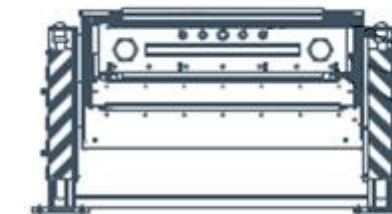
The front two sides of the retractable belt conveyor are equipped with hand operating levers (The rear electric control box is equipped with push buttons). The operator can control the lifting of telescopic belt conveyor by the hand lever (equipped with hydraulic device), and the extension of the conveying belt.



# TBC3 three section telescopic belt conveyor

(Rated loading 80kg/m<sup>2</sup>)

Product overview:



## Specifications(mm)

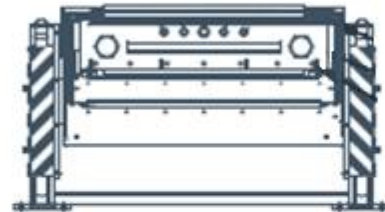
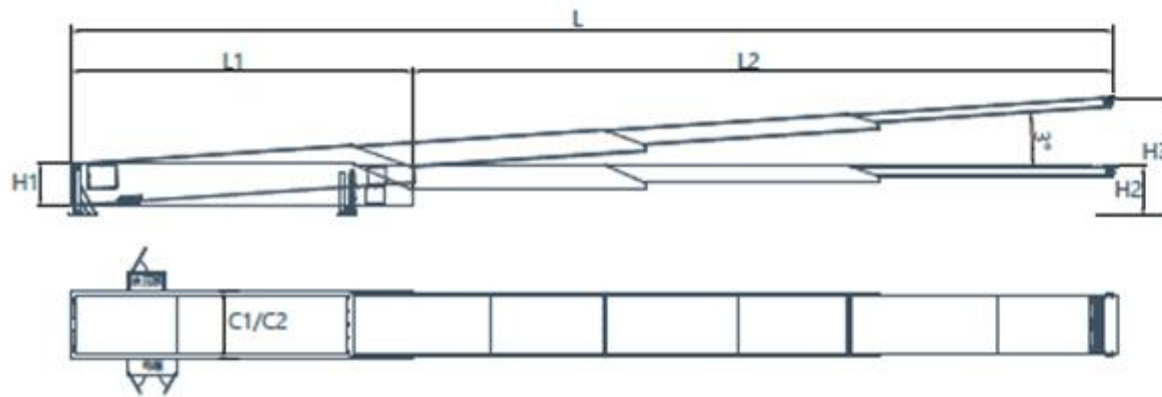
Model	Retracted length L1	Extended length L2	Total extended length L	Thickness of conveyor bed H1	Minimum elevation H2	Maximum elevation H3	Belt width C1/C2	Total width
TBC3-3/4	3000	4000	7000	550	580	1050	600/800	C+345
TBC3-4/5.4	4000	5400	9400	550	580	1100	600/800	C+345
TBC3-5/7	5000	7000	12000	550	580	1200	600/800	C+345
TBC3-6/8.4	6000	8400	14400	550	580	1300	600/800	C+345

## Telescopic Belt Conveyor

### TBC4 four section telescopic belt conveyor

(Rated loading 80kg/m<sup>2</sup>)

Product overview:



#### Specifications(mm)

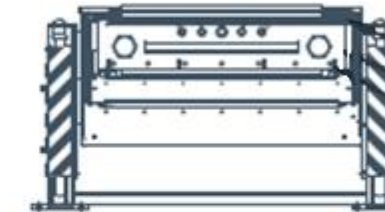
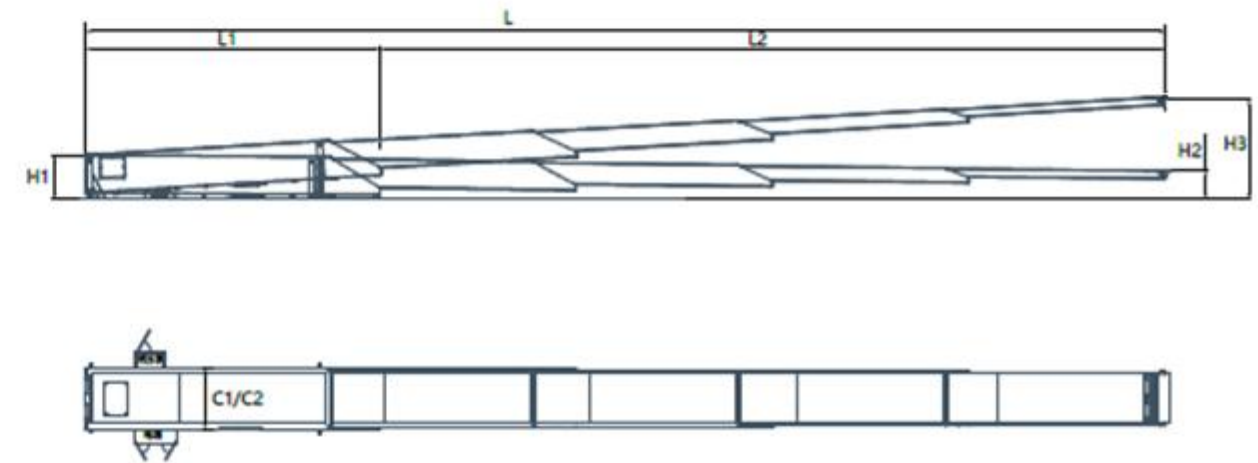
Model	Retracted length L1	Extended length L2	Total extended length L	Thickness of conveyor bed	Minimum elevation H1	Maximum elevation H2	Belt width C1/C2	Total width
TBC4-5/10	5000	10000	15000	580	220	1700	600/800	C+390
TBC4-6/12.3	6000	12300	18300	580	220	1800	600/800	C+390
TBC4-7/15	7000	15000	22000	580	220	1950	600/800	C+390
TBC4-7.5/16	7500	16000	23500	580	220	2050	600/800	C+390

## Telescopic Belt Conveyor

### TBC5 five section telescopic belt conveyor

(Rated loading 80kg/m<sup>2</sup>)

Product overview:



#### Specifications(mm)

Model	Retracted length L1	Extended length L2	Total extended length L	Thickness of conveyor bed	Minimum elevation H1	Maximum elevation H2	Belt width C1/C2	Total width
TBC5-6/16	6000	16000	22000	670	200	2020	600/800	C+440
TBC5-7.5/21	7500	21000	28500	700	200	2300	600/800	C+450



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Damon has long been committed to the research and development of cutting edge technology in the field of intelligent logistics transportation and sortation, integrated system planning, product research and development, product manufacturing and project services to enhance the competitiveness of customer logistics systems. Solutions are widely used in e-commerce, courier delivery, shoes and apparel, pharmaceutical and intelligent manufacturing and integration support in other fields.

[www.damon-group.com.au](http://www.damon-group.com.au)

Damon Australia Pty. Ltd.  
30 Grasslands Avenue  
CRAIGIEBURN VIC 3064  
Australia

P: +61 3 9333 7034  
F: +61 3 9308 4896  
E: [info@damon-group.com.au](mailto:info@damon-group.com.au)  
[www.damon-group.com.au](http://www.damon-group.com.au)