

CENTRAL EGG CONVEYANCE



For each egg-producing farm and in particular for any larger poultry farms, the issue of egg collection is of vital importance. The egg collection installation is designed individually for each unit and its separate components are dependant on the layout of breeding premises and on the equipment installed therein.

MBD company offers a simple solution in form of a flexible egg conveyor that features these parameters:

- **high operation safety with minimum maintenance**
- **conveyor width is from 200 to 750 mm**
- **transport capacity of conveyors is from 15,000 to 65,000 eggs/hr**
- **optimum economic operation with minimum technical demands**
- **speed of the conveyor 5 m /min**
- **a flexible system with components enabling a lot combinations with sufficient range needed for all changes of direction and height in egg conveyance**
- **direct interlinking in the hall of individual batteries and installation of the sorting machine of lower capacity, which is suitable for separate premises and/or smaller farms, or the central conveyance of eggs through several halls into the sorting department, and/or warehouse, in this case the conveyor is mounted on an auxiliary steel structure.**

Height of conveyors is proportional to their width:

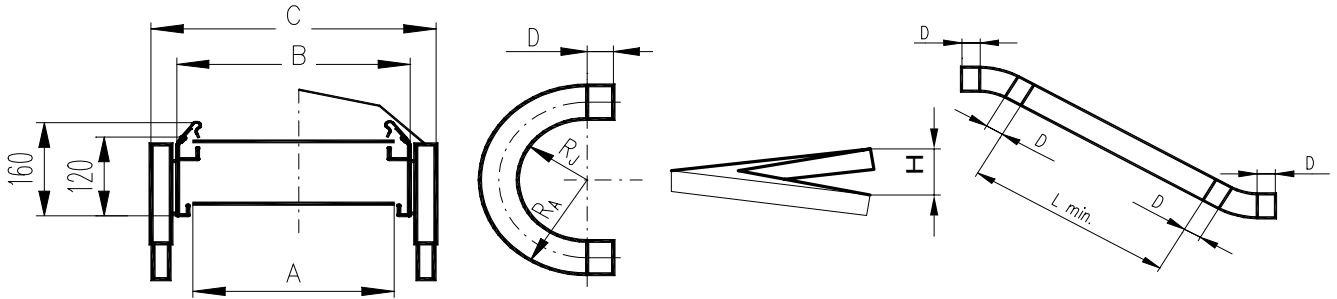
WIDTH	CAPACITY
300 mm	30 000 eggs / hour.
400 mm	40 000 eggs / hour.
500 mm	50 000 eggs / hour.
600 mm	60 000 eggs / hour.
700 mm	70 000 eggs / hour.

Egg conveyors serve as a means of egg transport from individual battery storeys of the technological installation for laying-hens rearing to a place in the hall designated by customer, and/or as a centrally arranged transport directly to the sorting department.

The basic component of the conveyor is the galvanized conveyor chain mounted on load-bearing sections. The conveyor is assembled from modules 2 or 3 m long, the bends are of standard design 180, 90 and 45°.

The whole conveyance system can be mounted as a stationary installation on new and/or on original and adjusted egg collection tables, or makes a part of supply of the so called Lift System in which egg collection is independent on individual battery storeys.





Type	Capacity eggs/hour		-A- mm	-B- mm	-C- mm	-D- mm	Radius 90° in mm			Min. distance between driving group and bend in cm	
	maximum	working					Ra	Rj	Difference H	final driving group	intermediate driving group
EW 300	30000	15000	300	335	381	500	1070	735	225	100	100
EW 400	40000	25000	400	435	481	500	1420	985	300	150	150
EW 500	50000	35000	500	535	581	500	1770	1235	375	200	150
EW 600	60000	45000	600	635	681	1000	2120	1485	450	250	150
EW 700	70000	55000	700	735	781	1000	2470	1735	525	300	200
EW 800	80000	65000	800	835	881	1000	2820	1985	600	350	250

speed 5m / min

COMPONENTS OF THE CONVEYOR PATH



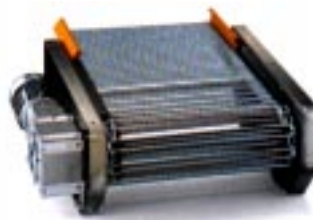
Bend



Telescopic Joint



Joint



Drive motor

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