Chain conveyor

The DAMAS chain conveyor is designed for horizontal conveyance of grain, if a closed, dustfree conveyance or if many outlets are required.

The chain conveyor can be placed in connection with an intake hopper on top of the conveyor or as side inlet.

The chain conveyor is made in an industrial and sturdy design, resulting in minimum maintenance and problem-free operation.

The simple and modular design makes it easy to supply the chain conveyor in the versions required for a specific task.

The standard chain conveyor is made of galvanized steel, but is also available in a painted version or made of stainless steel.

Driving section

- Overflow slide fitted on the top side or end outlet with sensor.
- Driving mechanism with hollow shaft with worm reduction gear motor and torque support.

Intermediate sections

- Exchangeable wear reinforcement of artificial material at the bottom and guide rail for scraper chain.

Scraper chain

- Scraper chain with turned-in scrapers.
- The chain conveyor is self-emptying via a suitable number of scrapers of synthetic material on the chain.

Tension section

- Tension device via spindles

Extra accessories

- Speed controller
- Outlet slide, operated by hand, air, or motor.

Damas
OPTIMIZING CROP YIELD

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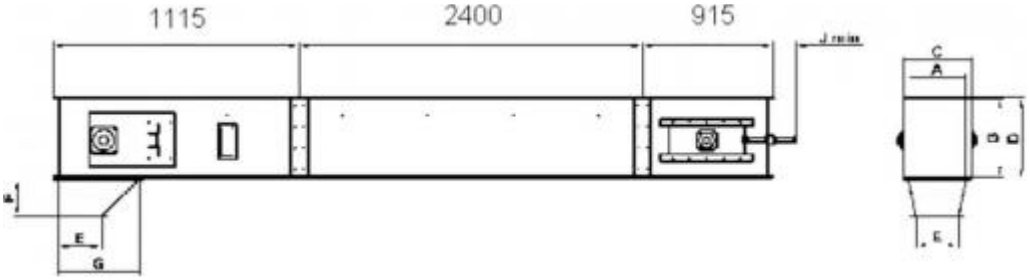
CHAIN CONVEYOR DATA



Available intermediate sections: 0.6, 1.0, 1.5, 2.0 and 2.4 meters.

Dimensions		DK190	DK250	DK320	DK400-I	DK400-II*
A	mm	190	250	320	400	400
B	mm	380	380	460	550	550
C	mm	268	328	405	485	485
D	mm	395	395	475	565	565
E	mm	150	200	250	300	300
F	mm	430	500	500	455	455
G	mm	560	710	710	710	710
J_{min}	mm	270	270	270	270	270

The shaft diameters depend on the length of the chain conveyor.
The minimal power consumption in kW is:
M × (L + 5) / 544 + 0.37, where:
M = capacity in tones per hour.
L = Length in meters.
Capacity at a nominal speed of 0,5 m/s and a specific gravity of the material at 0.75 t/m^3.

Specifications		DK190	DK250	DK320	DK400-I	DK400-II*
Max. capacity	t/h	40	80	130	150	200
Max. capacity	m^3/h	54	107	175	200	285
Plate thickness, top	mm	2	2	2	3	3
Plate thickness, sides	mm	3	3	4	4	4
Plate thickness, bottom	mm	4	4	4	4	4
Wear plate thickness, bottom	mm	10	10	10	10	10
Chain pitch	mm	125	125	125	150	160
Number of teeth	td	7	7	9	9	9
Motor	kW	1.1 - 1.5	1.5 - 15.0	3.0 - 15.0	3.0 - 15.0	3.0 - 15.0

* High performance chain.