

SEGMENTED CHAIN CONVEYOR GKF

FROM ICY TO HOT CONDITIONS

The GKF segmented chain conveyor has continually proved its reliability in numerous demanding applications. From the knowledge and experience gained, the range has been extended to incorporate more features with field-tested components. Great attention has been focussed on energy efficiency whilst maintaining the versatility of our tried-and-tested modular design.

As is the case for all MiniTec designs, the GKF range is based upon the tried-and-tested MiniTec profile system. The new track profile has been designed according to the same principles, meaning that the modular system has been retained without limitation. All components are suitable for expansions, add-ons or any protective devices which may be necessary. The new conveyor system can be optimally connected to the tried-and-tested MiniTec solutions in the areas of material handling, image processing, labelling, workstation design, etc.

The segmented chain made from plastic or low-corrosion stainless steel enables straight-line and curve-going horizontal and vertical motions.

The flexible track routing enables space-saving designs, with vertical curve routing or lift devices enabling use on multiple levels.

APPLICATION EXAMPLES FOR THE GKF SEGMENTED CHAIN CONVEYOR

Transport in inspection facilities. Connecting individual and repackaging facilities, labelling, shipping logistics, connecting workstations, assembly lines

CAR PARTS

Filters, gearwheels, fuel pumps, ball bearings, cast parts, lamps

COSMETICS + PHARMACEUTICALS

Pharmaceutical packaging, gauze bandages, paper rolls, spray cans, personal hygiene products, shampoo, toothpaste and toothbrushes, dental instruments.

FOOD

Trays with fruit, drink cans, food cans, packaged textiles, coffee cans, coffee packaging, plastic bottles, yoghurt, animal feed

ELECTRONICS

Electronic components, audiovisual equipment, accessories, batteries, mobile telephones, computer parts

PLEASE NOTE

Not suitable for bulk cargo!

SYSTEM SELECTION 90 TO 314 MM

The systems can be supplied with 8 different plastic chains made from modified acetal and 3 VA designs made from stainless steel 1.4016.

Chain bolt on all chains made from stainless steel 1.4305
Standardised chain separation: 38.1 mm

The practically gap-free surface enables also small components to be transported!

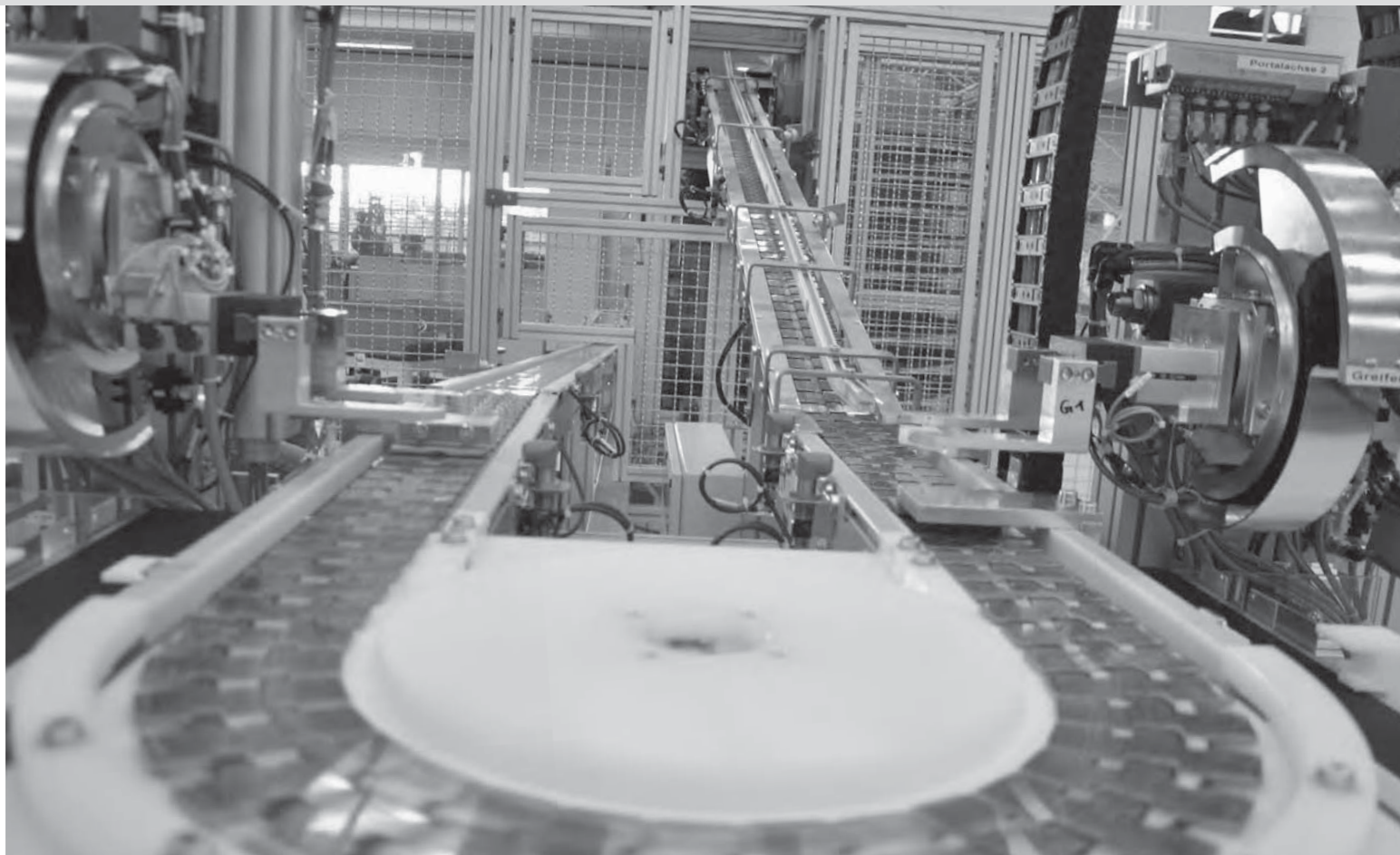
- Product width 0-428 mm
- Maximum weight of the conveyor goods in the case of horizontal transport 10 kg/m
- Maximum weight of the conveyor goods in the case of vertical transport 2 kg/m
- Maximum load on the conveyor 150 kg
- Maximum straight section of the conveyor track 40 m

HOLISTIC PROBLEM SOLUTION

The system can be supplied in assemblies for self-assembly or also as a ready-for-operation system. Upon request, we can assume complete planning and assembly responsibility, as well as the onsite commissioning. Our services include ergonomic design for operators and material flow, supplying transfer stations and workstations to assist in productivity.

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Depending upon the conveyor goods, track routing and chain, the system is suitable for high conveyor speeds up to 30 m / min. All motors in use are equipped with overload protection. Optionally, frequency converters are available for variable speeds.

■ Temperature limits:

- Plastic chain (dry) -40°C to +80°C
- Plastic chain (wet) 0 °C to + 65 °C
- Stainless steel chain -40 °C to 120 °C

All chains are suitable for directly transporting the products or transporting the pallets.

To save energy and to reduce the maintenance frequency, we recommend that cam wheels are used instead of horizontal arches. Cam wheels are available with a minimum radius of 200 mm.

Sound level depends upon the conveyor speed, measured according to DIN 45 635 T1 on the motor side.

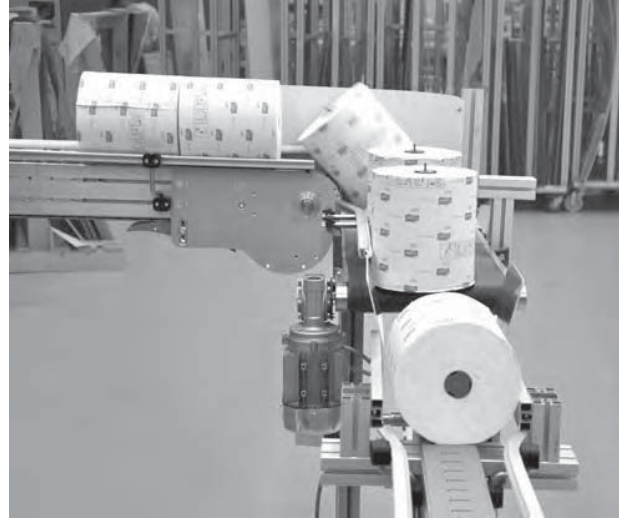
Chain	m/min	dB-A
VA chain	10	57,3
	30	73,2
acetal chain	10	62,8
	30	77,9

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SAMPLE APPLICATIONS



Coffee can transport below the roof



Transport and packing of sanitary products



Loading and unloading of automatic lathes



Surface inspection of car parts

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REQUEST

Standard dimension

Axial distance mm
 According to layout see Others attached

Operating conditions

Goods to be conveyed
 Dimensions B x L x H x x mm
 Unit weight kg
 Total belt load kg
 Temperature of goods °C

Accumulation point

Subconstruction

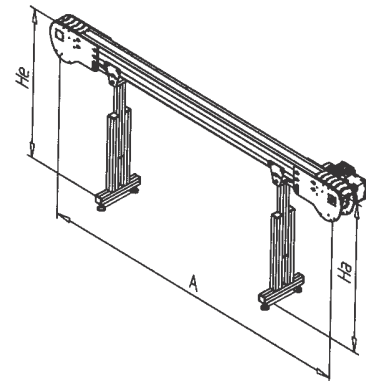
Inlet height He mm
 Discharge height Ha mm
 Number of supports pcs.
 Supports height adjustable from mm to mm
 Lateral guide one side both sides
 Angle bracket for floor fastening part no. 21.1112/0
 Floor anchor 12 part no. 21.1115/0
 Feet part no.

Options

Chain type part no.

Drive

Motor arrangement right left
 Speed m/min.
 Speed adjustable from m/min. to m/min.



Others/Layout

Contact details

Company Please call me back
 Contact person Please send me an offer
 Phone no.
 Fax no.
 E-Mail