

» Double-line belt conveyor system for transporting pallets. «

The DGF-P 2001 conveyor system is specially designed for transporting pallets. The system is often used in assembly systems, for example, in the electrical industry.

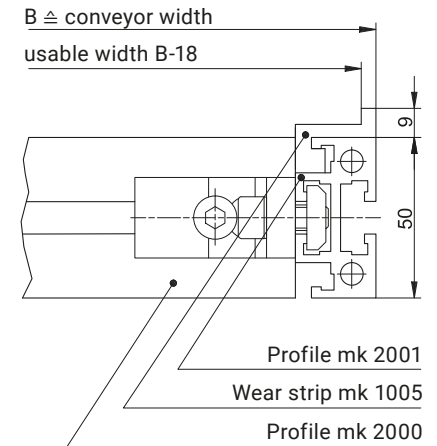
The small idler roller allows you to transport short pallets. A roller on the lower run side of the tail is responsible for the belt tension. This ensures that the conveyor maintains a fixed installation length. The belt runs entirely atop wear strips, which allows for a maximum weight of 15 kg per section.

mk delivers pallets for the DGF-P 2001 in aluminium as standard. The pallets can therefore be machined according to customer requirements.

Benefits of the DGF-P 2001

- Transporting pallets
- Very small tail allows even small pallets to be transported
- Integrated tensioning mechanism that automatically tensions the belt
- Flexible operation in accumulated and cycling mode
- Optional custom pallets

Cross Section

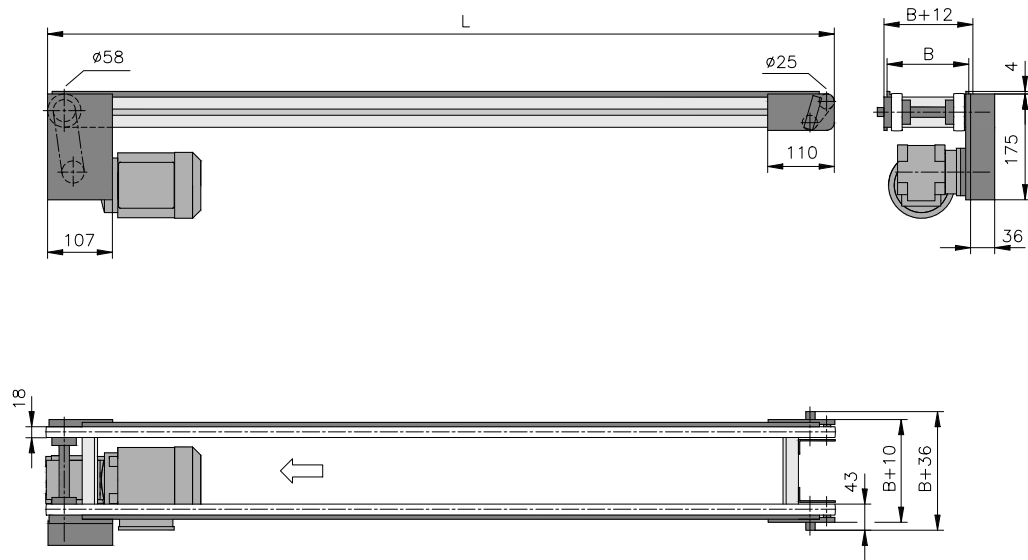




AC – Standard head drive

B20.11.701

The compact conveyor frame design makes it easy to integrate the conveyor into existing systems. The $\varnothing 58$ mm driving roller ensures excellent transmission of the motor power.



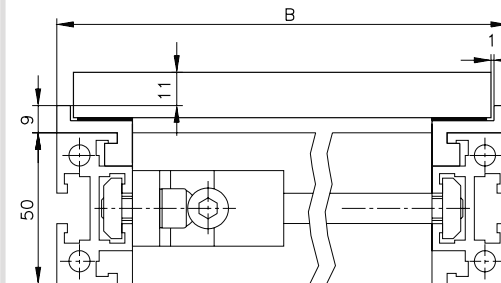
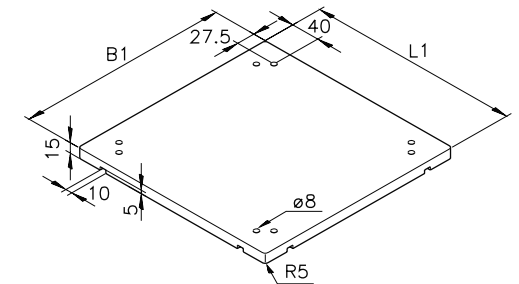
Technical data

Conveyor length L	individual from 300 to 2000 mm	
Conveyor width B	100, 125, 150, 175, 200 and 250 mm	
Belt width	18 mm (preferred belt: GU-T0105-003BL, GU-U0306-017WE)	
Drive location	discharge end left/right, underneath, infeed on request	
Drive and speed	up to $v=15$ m/min, constant or controllable speed	
Stand and side rail		from p. 286
Standard total load	up to 15 kg, higher on request	
Standard distributed load	up to 10 kg/m, higher on request	



DGF-P 2001 Pallets

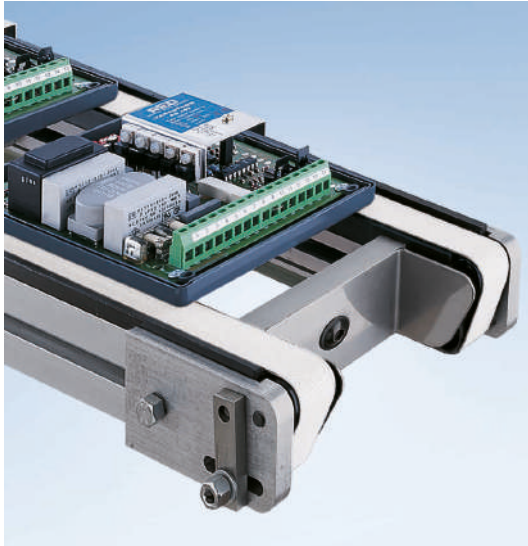
The pallets for the DGF-P 2001 transport system are made from aluminium (3.1325) as standard. The pallet width is always determined by the dimensions of the conveyor system (B-11 mm). The minimum length is 90 mm. Alternative pallet materials can also be used depending on the product to be transported.



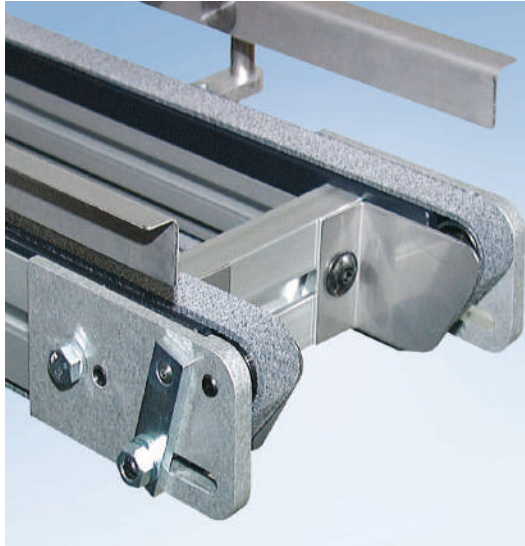
Processing

Upon request, we are happy to design pallets for your particular application or manufacture them according to your drawings.

2



Double belt conveyor DGF-P 2001, particularly suitable for transporting small pallets



Double belt conveyor DGF-P 2001 with side rail for over-wide conveyed goods



Double belt conveyor DGF-P 2001 with lower belt drive BC



Double belt conveyor DGF-P 2001 with head drive AC

2



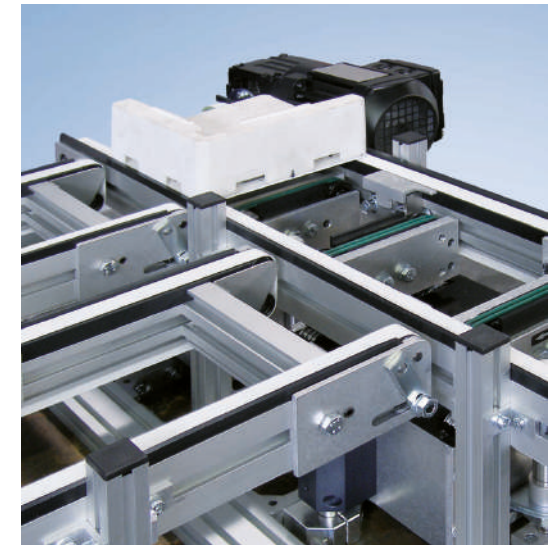
Double belt conveyor DGF-P 2001 with head drive AF



Double belt conveyor DGF-P 2001, side rail using wear strip type B with stand S53.1



Double belt conveyor DGF-P 2001 with side rail SF02 and stand S53.21



Interlinking of multiple double belt conveyors DGF-P 2001 with integrated lift-and-transfer conveyor

Custom applications from page 404

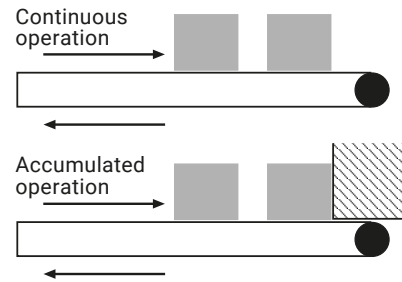
General Information

For the most part, the belt types listed here meet all requirements. Other belts are available on request.

Accumulating belts are designed for long-term accumulated operation and have corresponding surface properties (friction coefficient).

Belts with limited accumulation capability are not designed for long-term accumulated operation. Relative motion is permitted, e.g. when running up against an end stop, in case of slight speed differences from one conveyor to the next, or with transverse movement of light loads (with laterally stiff belts only).

The non-accumulating belts, also known as anti-slip belts, have a structure or friction coefficient that provides high grip.



Order Designation

GU -U 03 03 -001 WE

Transport medium GU = belt
 Material, carrying side of the transport medium
 Surface condition
 K1% value* rounded to 0 decimal places
 Consecutive mk number
 Colour, carrying side

Material		Surface condition		Colour, carrying side **	
-F	Felt	01	Allows for accumulated operation	BL	Transparent
-R	Rubber (NBR)	02	Allows for restricted accumulated operation	WE	White
-T	Polyester (PET)	03	Not suitable for accumulated operation	LB	Blue
-U	Polyurethane (PU)			DG	Green
-V	Polyvinyl chloride (PVC)			SW	Black

* The K1% value is the force with which the belt is stretched by 1% per mm of width. It is an indication of the strength and therefore the load capacity of the belt.

** Depending on the batch, the colour of the belt may differ from the example in the photograph in this catalogue.

Item no. and designation	Allows for accumulated operation	Material	Colour	Surface	Min. ø of the tail	Permissible temperature	Approx. belt thickness	Properties	Belt group
K1029003 GU-T0105-003BL 	Yes	PET	Trans-parent	Woven	6 mm	-10 to 70 °C	1.2 mm	Laterally stiff, antistatic, FDA-compliant, oil-resistant*	2
K1029008 GU-T0101-008BL 	Yes	PET	Trans-parent	Woven	20 mm	-10 to 70 °C	1.3 mm	Antistatic, FDA compliant, suitable for curved belt conveyors	1
K1029028 GU-V0106-028DG 	Yes	PVC	Green	Smooth	14 mm	-15 to 80 °C	1.8 mm	Laterally stiff, FDA compliant, suitable for in-cline conveyor	2
K1029015 GU-U0107-015DG 	Yes	PU	Green	Smooth	40 mm	-10 to 70 °C	1.6 mm	Laterally stiff, antistatic, oil-resistant*	3
K1029010 GU-V0103-010SW 	Yes	PVC	Black	Smooth	30 mm	-10 to 60 °C	1.8 mm	Antistatic, suitable for curved belt conveyor	2
K1029019 GU-F0106-019SW 	Yes	Felt	Black	Smooth	30 mm	-10 to 120 °C	2.5 mm	Antistatic, suitable for curved belt conveyor	2
K1029007 GU-U0204-007WE 	With restrictions	PU	White	Smooth	6 mm	-30 to 100 °C	1.3 mm	Laterally stiff, antistatic, FDA compliant, oil-resistant*	3
K1029050 GU-U0205-050LB 	With restrictions	PU	Blue	Smooth	6 mm	-30 to 100 °C	1.3 mm	Laterally stiff, antistatic, FDA-compliant, oil-resistant*	3