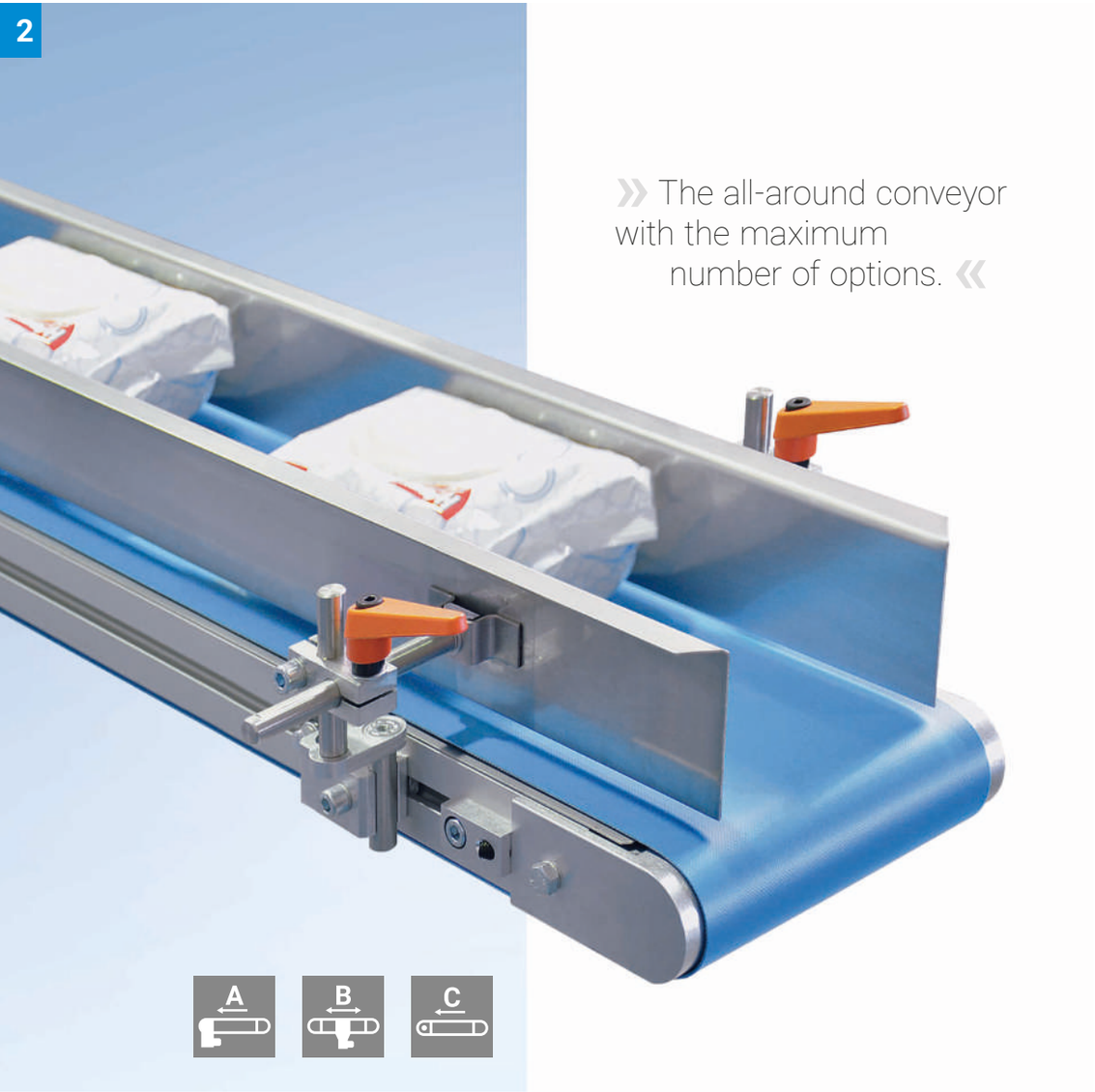
2



» The all-around conveyor with the maximum number of options. «

The combination of standard parts based on the profile mk 2000 results in a conveyor system that allows for the widest possible range of drives and tails and extremely short delivery times. Despite its low height of 50 mm and the ø 53 mm driving roll, which can be coated with rubber according to the application, the conveyor offers a wide range of different belt types. As with all mk belt conveyor systems, the crowned roller of the driving and idler rollers make belt adjustment significantly easier.

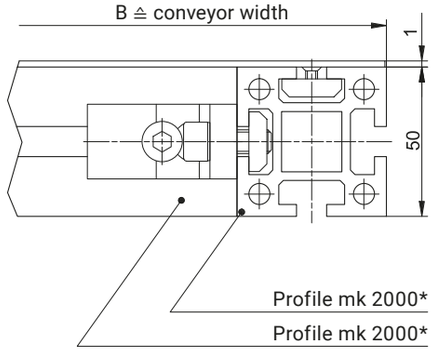
T-slots running along both sides (10 mm slot width based on our profile technology) allow you to easily integrate the conveyors into existing machine frames or attach stands, side rails and other accessories. A further quality feature of this conveyor system is the stainless steel sheet installed below where the belt runs, which ensures long-term wear resistance of the belt. In addition to our wide selection of side rails and stands, we also offer a standard range of end stops and electrical accessories.

2

Benefits of the GUF-P 2000

- Wide range of different drives, tails, stands and belt types
- Built with the profile mk 2000 for a high load capacity and torsion-resistant structure
- Optionally available with a stationary or rolling knife edge
- Flexible operation in reverse, accumulated and cycling mode
- Very short delivery times

Cross Section

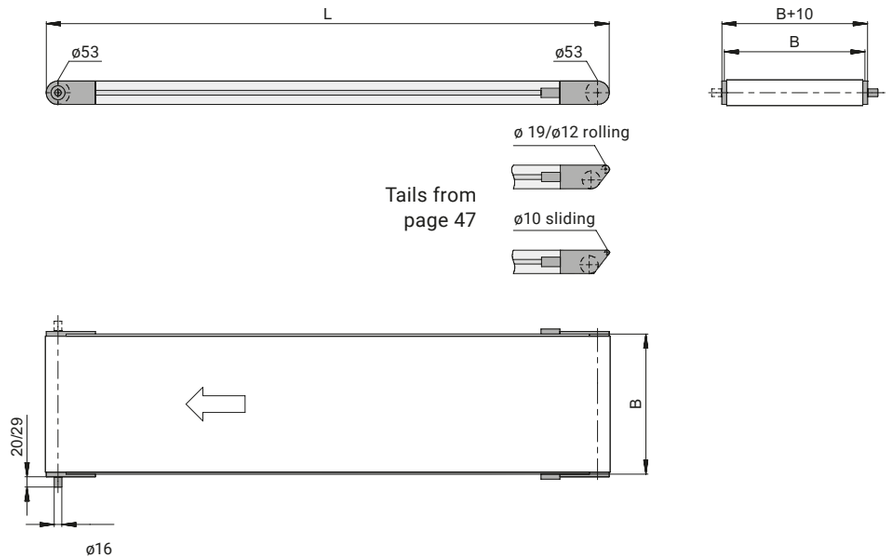


* For conveyor widths 75, 100, 150, 200 and 250 mm, custom profiles are used

AA – Head drive without motor

B20.00.009

The AA version with no motor is suitable for connection to an existing conveyor with a drive, either in parallel or in series. This allows you to operate multiple conveyors with only one motor. The compact conveyor frame design makes it easier to integrate the conveyor into existing systems. The driving roll ø 53 mm has a crowned roller for simple belt control. Operation with cleated belts is possible with this version. The ø 16 mm shaft journal has a usable length of 20 mm with a chain drive or 29 mm with a timing belt drive and is equipped with a DIN 6885 key.



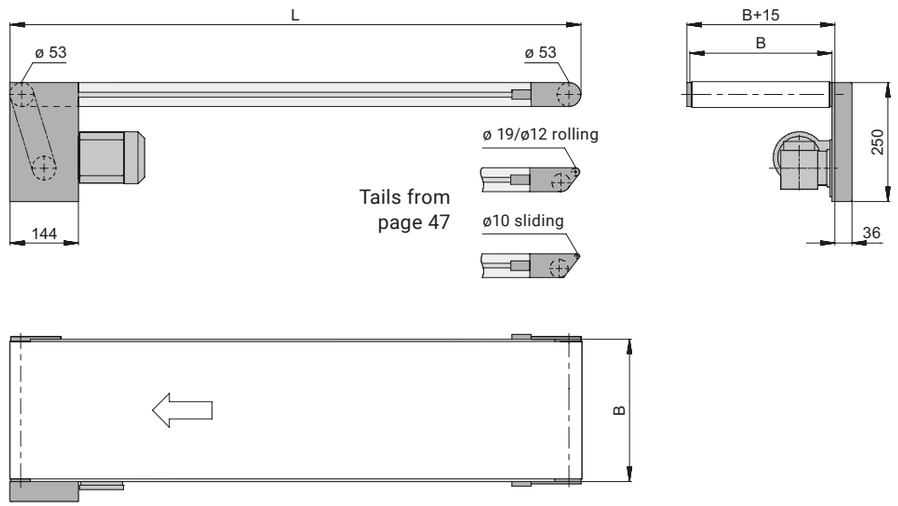
Technical data

Conveyor length L	individual from 380 to 10000 mm	
Conveyor width B	50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 700, 800 mm	others on request
Belt width	B-10 mm	from p. 98
Drive and speed	up to v=80 m/min	p. 12
Stand and side rail		from p. 286
Standard total load	up to 75 kg	p. 20
Standard distributed load	up to 25 kg/m	p. 20

AC – Standard head drive

B20.00.002

The compact conveyor frame design with the most popular drive options makes it easier to integrate the conveyor into existing systems. The ø 53 mm driving roller ensures excellent transmission of the motor power. Operation with cleated belts is possible with this version.



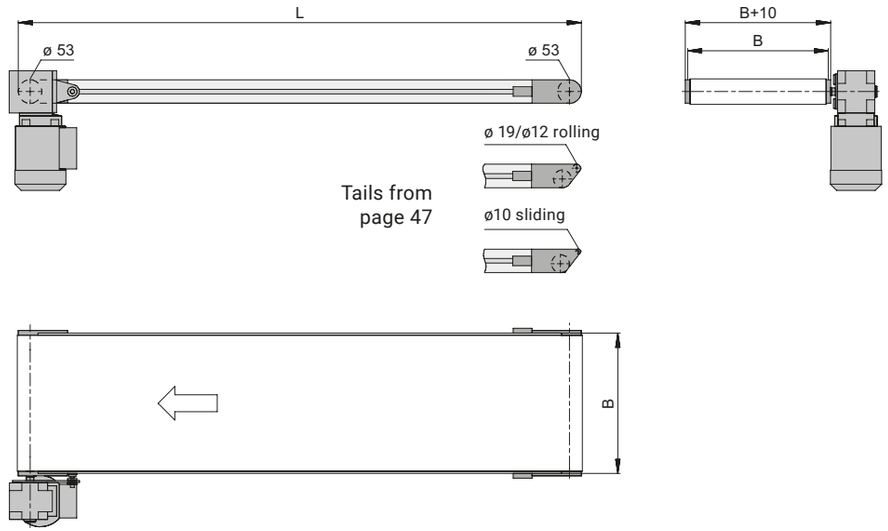
Technical data

Conveyor length L	individual from 410 to 10000 mm	
Conveyor width B	50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 700, 800 mm	others on request
Belt width	B-10 mm	from p. 98
Drive location	discharge end left/right, underneath/above; infeed end on request	
Drive and speed	up to v=80 m/min	p. 12
Stand and side rail		from p. 286
Standard total load	up to 75 kg	p. 20
Standard distributed load	up to 25 kg/m	p. 20

AF – Direct head drive

B20.00.011

Since the motor is fitted directly onto the drive shaft, the space requirements and maintenance effort for this drive version are reduced to a minimum.



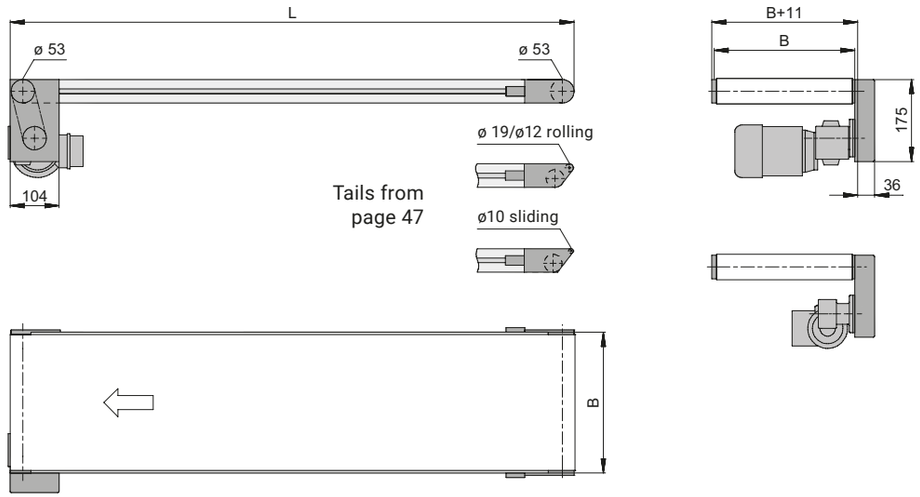
Technical data

Conveyor length L	individual from 410 to 10000 mm	
Conveyor width B	50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 700, 800 mm	others on request
Belt width	B-10 mm	from p. 98
Drive location	discharge end left/right; infeed end on request	
Drive and speed	2.8; 3.7; 4.5; 5.5; 6.7; 7.9; 8.9; 11.2; 13.2 and 15.2 m/min	p. 12
Stand and side rail		from p. 286
Standard total load	up to 30 kg	p. 20
Standard distributed load	up to 25 kg/m	p. 20

AG – Head drive, compact

B20.00.005

The compact drive version AG for small gearmotors (direct current or three-phase motors) has fewer interfering edges in comparison to the AC drive version thanks to the gearbox type used. The compact conveyor frame design makes it easier to integrate the conveyor into existing systems. Without a snub roller, the ø 53 mm driving roller enables the use of cleated belts. In comparison to the drive version AC, the dimensions of the drive are much more compact.



Technical data

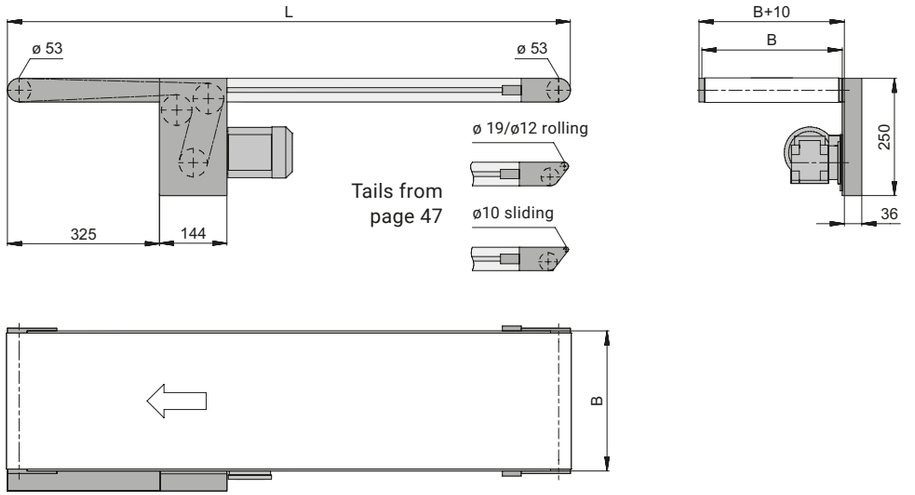
Conveyor length L	individual from 380 to 6000 mm	
Conveyor width B	50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 700, 800 mm	others on request
Belt width	B-10 mm	from p. 98
Drive location	discharge end left/right, underneath/above	
Drive and speed	up to v=15 m/min	p. 12
Stand and side rail		from p. 286
Standard total load	up to 30 kg AC/15 kg DC	p. 20
Standard distributed load	up to 25 kg/m	p. 20

AM – Head drive, offset

B20.00.003

2

The compact conveyor frame design with the offset head drive makes it easier to integrate the conveyor into existing systems. The ø 53 mm driving roller ensures excellent transmission of the motor power. Operation with cleated belts is possible with this version.



Technical data

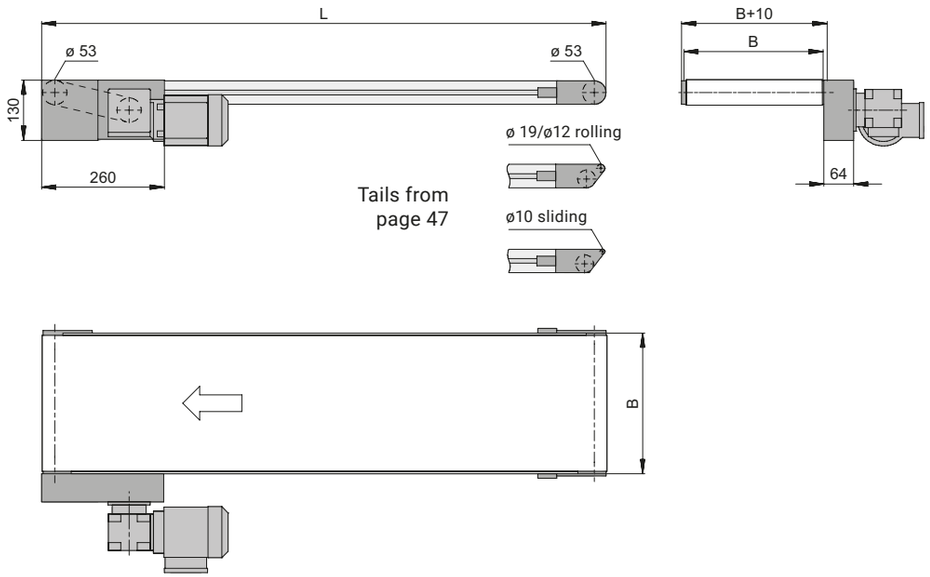
Conveyor length L	individual from 750 to 10000 mm	
Conveyor width B	50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 700, 800 mm	others on request
Belt width	B-10 mm	from p. 98
Drive location	discharge end left/right, underneath; infeed end on request	
Drive and speed	up to v=80 m/min	p. 12
Stand and side rail		from p. 286
Standard total load	up to 75 kg	p. 20
Standard distributed load	up to 25 kg/m	p. 20

AS – Head drive, laterally on the outside, compact

B20.00.008

2

The drive located laterally on the outside allows the total height of the conveyor to be restricted to a minimum. The ø 53 mm driving roller ensures excellent transmission of the motor power. Operation with cleated belts is possible with this version.



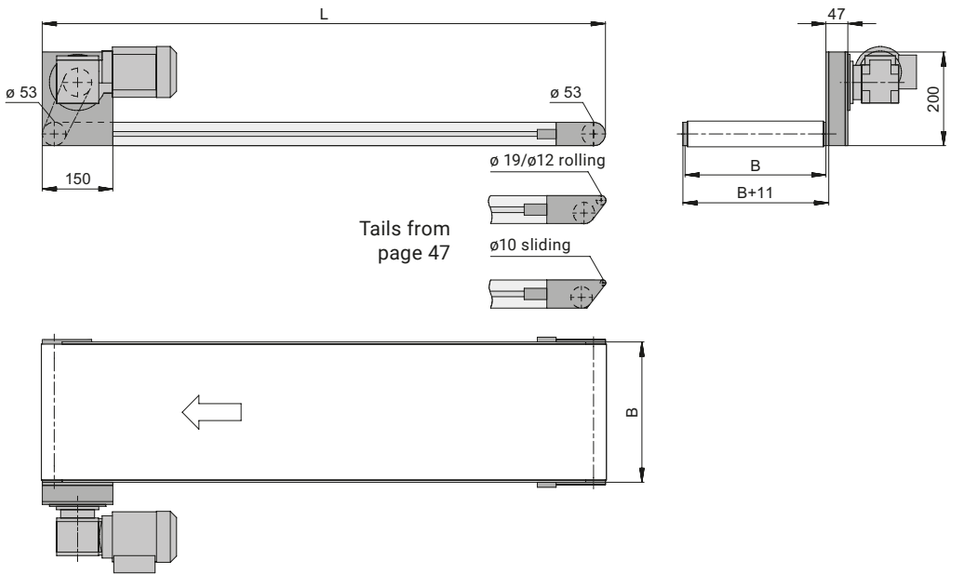
Technical data

Conveyor length L	individual from 550 to 10000 mm	
Conveyor width B	50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 700, 800 mm	others on request
Belt width	B-10 mm	from p. 98
Drive location	discharge end left/right; infeed end on request	
Drive and speed	up to v=80 m/min	p. 12
Stand and side rail		from p. 286
Standard total load	up to 75 kg	p. 20
Standard distributed load	up to 25 kg/m	p. 20

AU – Head drive, laterally on the outside

B20.00.020

The advantage of the drive version AU is that the motor is fitted on the outside of the conveyor belt, which protects it from dirt. This drive version can transport even very tall products with ease. The ø 53 mm driving roller ensures excellent transmission of the motor power. Operation with cleated belts is possible with this version.



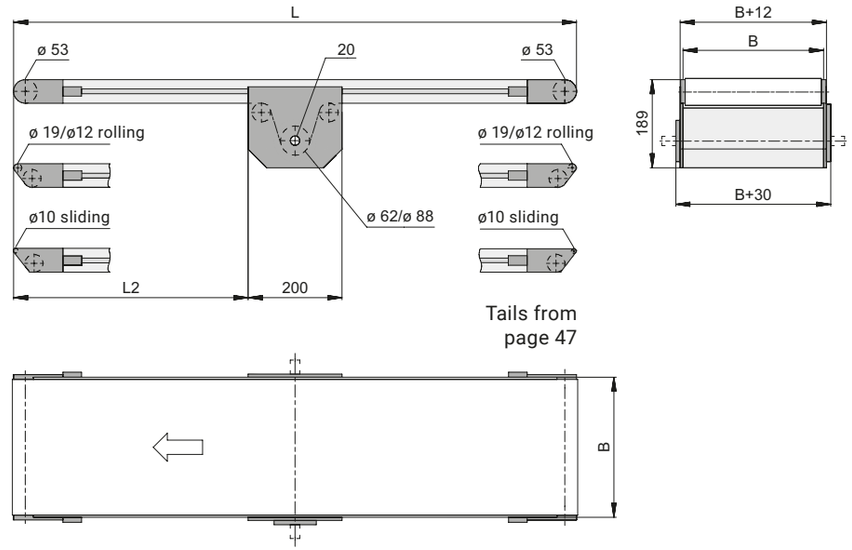
Technical data

Conveyor length L	individual from 430 to 10000 mm	
Conveyor width B	50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 700, 800 mm	others on request
Belt width	B-10 mm	from p. 98
Drive location	discharge end left/right, underneath/above; infeed end on request	
Drive and speed	up to v=80 m/min	p. 12
Stand and side rail		from p. 286
Standard total load	up to 75 kg	p. 20
Standard distributed load	up to 25 kg/m	p. 20

BA – Lower belt drive without motor

B20.00.001

The BA version with no motor is suitable for parallel connection to an existing conveyor with a drive. This allows you to operate multiple conveyors with only one motor. The compact conveyor frame design and the ability to freely select the drive position over the entire length of the conveyor make it easier to integrate the conveyor into existing systems. Limited reverse operation is available on request. Knife edges can be configured on both the infeed and discharge end. Operation with cleated belts is not possible with this version. The driving roller has a hollow shaft design with ø 20 mm with keyway in accordance with DIN 6885.



Technical data

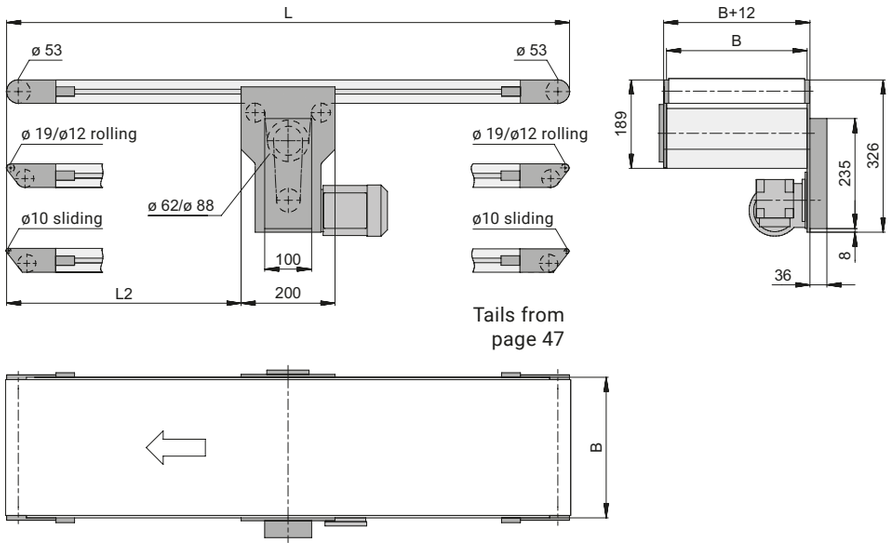
Conveyor length L	individual from 700 to 10000 mm	
Conveyor width B	50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 700, 800 mm	others on request
Belt width	B-10 mm	from p. 98
Drive and speed	up to v=80 m/min	p. 12
Stand and side rail		from p. 286
Standard total load	up to 75 kg	p. 20
Standard distributed load	up to 25 kg/m	p. 20

BC – Lower belt drive, standard

B20.00.004

2

The compact conveyor frame design and the ability to freely select the drive position over the entire length of the conveyor make it easier to integrate the conveyor into existing systems. Limited reverse operation is available on request. Knife edges can be configured on both the infeed and discharge end. Operation with cleated belts is not possible with this version.



Tails from page 47

Technical data

Conveyor length L	individual from 700 to 10000 mm	
Conveyor width B	50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 700, 800 mm	others on request
Belt width	B-10 mm	from p. 98
Drive location	left/right underneath	
Drive and speed	up to v=80 m/min	p. 12
Stand and side rail		from p. 286
Standard total load	up to 75 kg	p. 20
Standard distributed load	up to 25 kg/m	p. 20

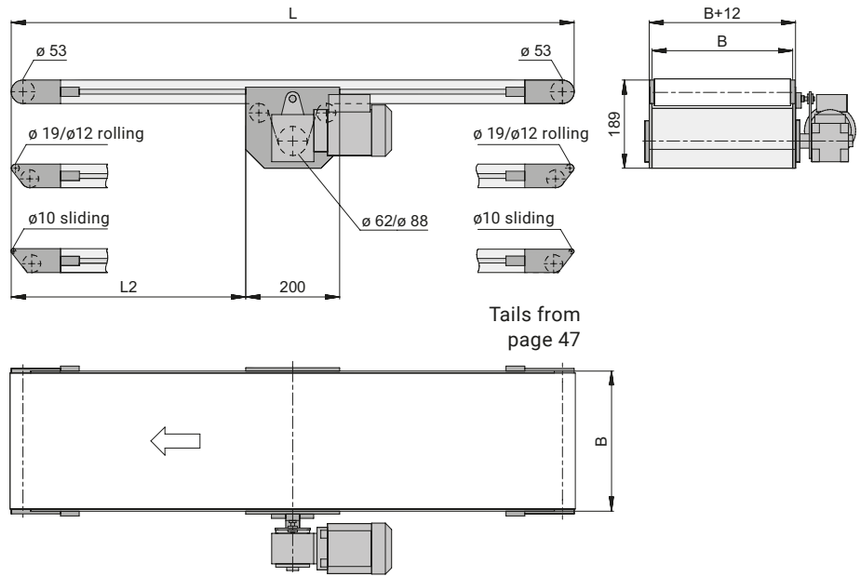
GUF-P 2000

BF – Lower belt drive, direct

B20.00.012

2

Since the motor is fitted directly onto the drive shaft, the space requirements and maintenance effort for this drive version are reduced to a minimum. The compact conveyor frame design and the ability to freely select the drive position over the entire length of the conveyor make it easier to integrate the conveyor into existing systems. Limited reverse operation is available on request. Knife edges can be configured on both the infeed and discharge end. Operation with cleated belts is not possible with this version.



Tails from page 47

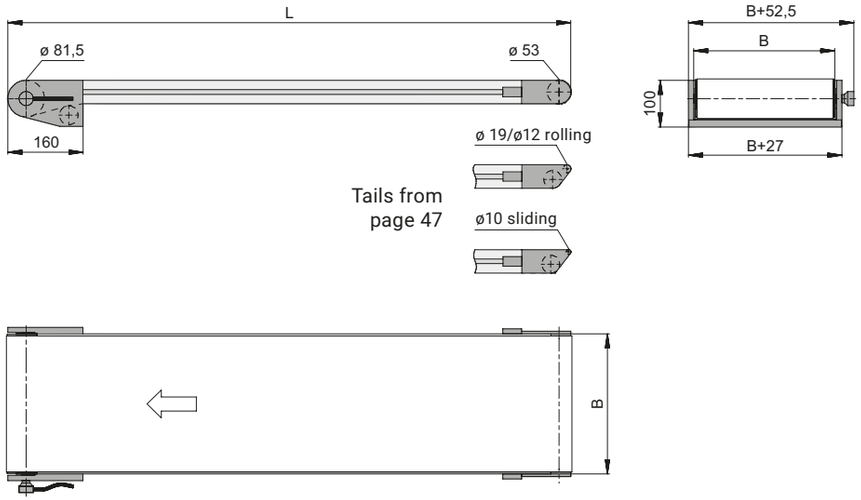
Technical data

Conveyor length L	individual from 700 to 10000 mm	
Conveyor width B	50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 700, 800 mm	others on request
Belt width	B-10 mm	from p. 98
Drive location	left/right underneath	
Drive and speed	5; 6.3; 8; 9.5; 11.5; 13.5; 15.2; 19.3; 23; 26; 36.6; 45.7 and 57 m/min	p. 12
Stand and side rail		from p. 286
Standard total load	up to 75 kg	p. 20
Standard distributed load	up to 25 kg/m	p. 20

CA – Drum motor

B20.00.025

The drive version CA with drum motor is the most compact option of the conveyors in the GUF-P 2000 system. Since the motor is integrated into the driving roller, no obstructing edges protrude over the conveyor frame structure. The conveyor can therefore easily be integrated into existing systems. Operation with cleated belts is not possible with this version.

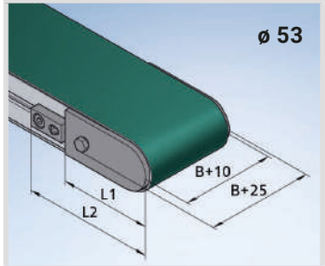


Technical data

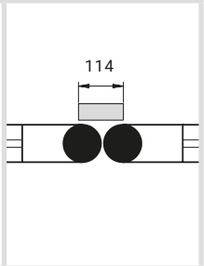
Conveyor length L	individual from 440 to 10000 mm	
Conveyor width B	200, 250, 300, 350, 400, 500, 600, 700 and 800 mm	others on request
Belt width	B-10 mm	from p. 98
Drive location	discharge end left/right	
Drive and speed	up to v=60 m/min	p. 12
Stand and side rail		from p. 286
Standard total load	up to 55 kg	p. 20
Standard distributed load	up to 25 kg/m	p. 20

Tail 01

B80.00.001



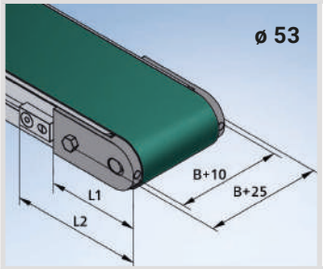
- Crowned roller, ø 53 mm
- Ball bearing 2RS1
- Belt tensioning and adjustment on the side using the tensioning elements
- Min. length of the conveyed product for transfer of 114 mm



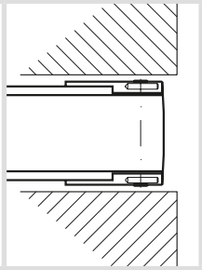
Conveyor length L	Conveyor width B	L1	L2	Head part material
≤ 2,900 mm	≤ 300 mm	105 mm	145 mm	Plastic
≤ 2,900 mm	> 300 mm	105 mm	145 mm	Aluminium
> 2,900 mm	≤ 800 mm	155 mm	195 mm	Aluminium

Tail 09

B80.00.005



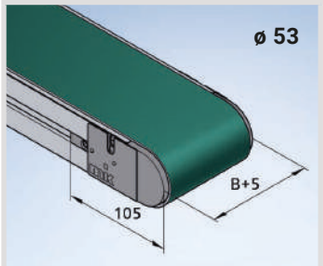
- Crowned roller, ø 53 mm
- Ball bearing 2RS1
- Belt tensioning via head parts
- Belt adjustment from the front using threaded pins
- Obstructing edge-optimised tail
- Min. length of the conveyed product for transfer of 114 mm



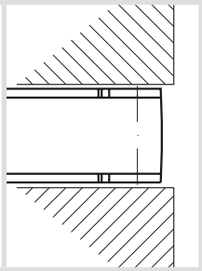
Conveyor length L	Conveyor width B	L1	L2	Head part material
≤ 3,000 mm	≤ 800 mm	105 mm	–	Aluminium

Tail 11

B80.00.007



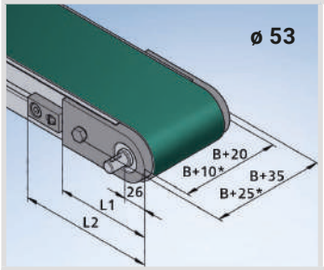
- Crowned roller, ø 53 mm
- Ball bearing 2RS1
- Belt tensioning and adjustment on the side using the head parts (approx. 35 mm of clearance required on each side)
- Flush head parts
- Obstructing edge-optimised tail
- Min. length of the conveyed product for transfer of 114 mm



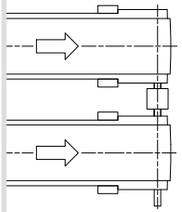
Conveyor length L	Conveyor width B	L1	L2	Head part material
≤ 3,000 mm	≤ 800 mm	105 mm	–	Aluminium

Tail 19

B80.00.006



- Crowned roller, ø 53 mm
- Ball bearing 2RS1
- ø 16 mm shaft journal, usable length of 20 mm with roller for chain drive or 30 mm with roller for timing belt drive, keyway in accordance with DIN 6885
- Connection of two conveying lines through one drive
- Output shaft available on the right, left or both sides

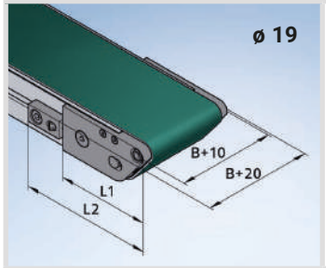


Conveyor length L	Conveyor width B	L1	L2	Head part material
≤ 2,900 mm	≤ 300 mm	105 mm	145 mm	Plastic
≤ 2,900 mm	> 300 mm	105 mm	145 mm	Aluminium
> 2,900 mm	≤ 800 mm	155 mm	195 mm	Aluminium

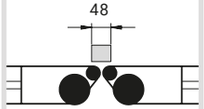
*Does not apply for the drive end

Tail 13

B80.00.018



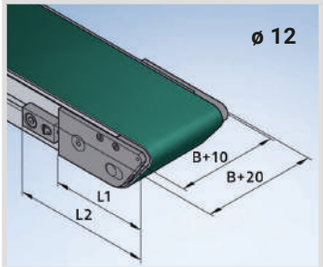
- Rolling knife edge
- Ball bearing 2RS1, ø 19 mm roller
- Belt tensioning on the side using tensioning elements
- Adjustment using tensioning elements
- Min. length of the conveyed product for transfer of 48 mm
- Note the min. bend radius for the desired belt



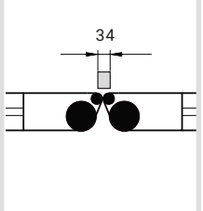
Conveyor length L	Conveyor width B	L1	L2	Head part material
≤ 3,000 mm	≤ 800 mm	116 mm	156 mm	Aluminium
> 3,000 mm	≤ 800 mm	166 mm	206 mm	Aluminium

Tail 10

B80.00.017



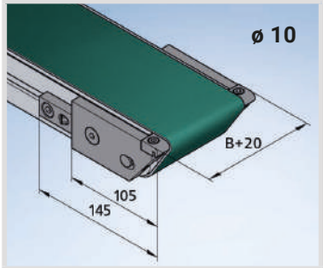
- Rolling knife edge
- Ball bearing 2RS1, ø 12 mm roller
- Belt tensioning on the side using tensioning elements
- Adjustment from the front using tensioning roller
- Min. length of the conveyed product for transfer of 34 mm
- Note the min. bend radius for the desired belt
- Max. conveying speed of 30 m/min
- Max. load capacity of 5 kg per 50 mm conveyor width



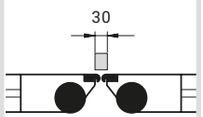
Conveyor length L	Conveyor width B	L1	L2	Head part material
≤ 3,000 mm	≤ 300 mm	111 mm	151 mm	Aluminium
> 3,000 mm	≤ 300 mm	161 mm	201 mm	Aluminium

Tail 17

B80.00.002

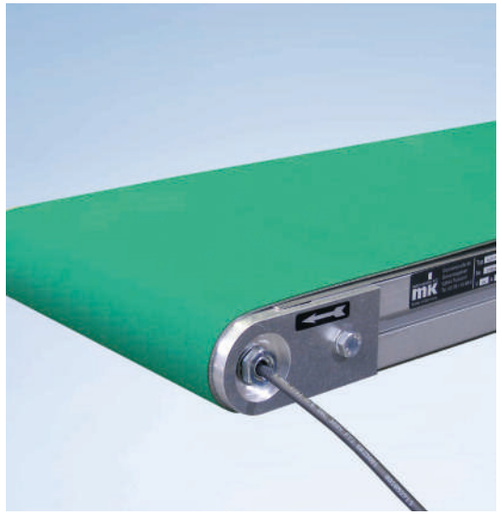


- Stationary knife edge ø 10 mm
- Belt tensioning on the side using tensioning elements
- Adjustment from the front using tensioning roller
- Min. length of the conveyed product for transfer of 30 mm
- Note the min. bend radius for the desired belt
- Max. conveying speed of 10 m/min
- Requires driving roller with rubber coating

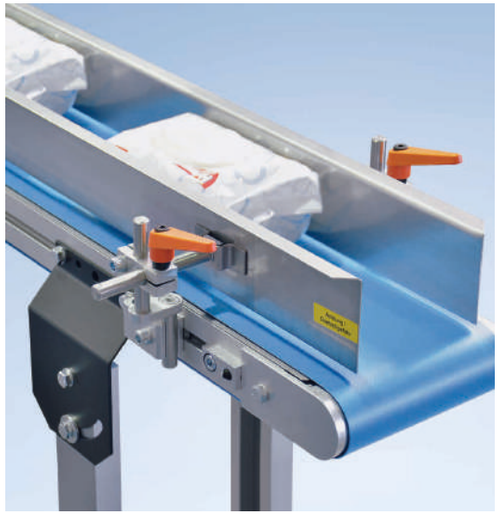


Conveyor length L	Conveyor width B	L1	L2	Head part material
≤ 3,000 mm	≤ 300 mm	105 mm	145 mm	Aluminium

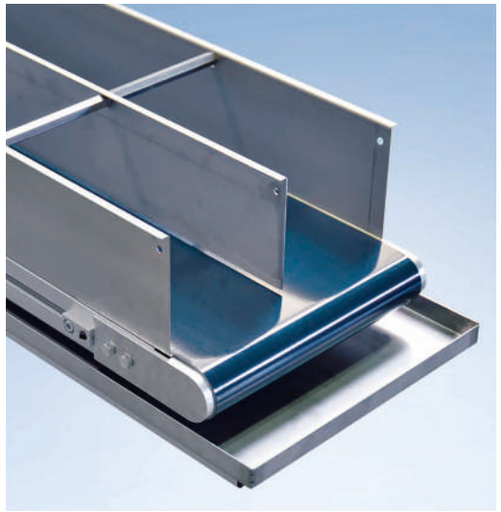
Application Examples GUF-P 2000



Belt conveyor GUF-P 2000 with
internal drive CA and ø 53 mm drive roller



Belt conveyor GUF-P 2000 with 01 ø 53 tail
and adjustable side rail SF02 with clamping lever



Belt conveyor GUF-P 2000 with
central lane separation and drip pan

Belt conveyor GUF-P 2000 with 10
ø 12 tail and adjustable side rail SF02

Belt conveyor GUF-P 2000 with 13 ø 19 tail,
with rolling knife edge and side rail SF2.2

Belt conveyor GUF-P 2000 with 01
ø 53 extra-long tail and with printed belt

2

Belt conveyor GUF-P 2000 with
offset head drive AM

Belt conveyor GUF-P 2000 AF as inclined conveyor
with cleats, special side rail and drip pan

Custom applications
from page 404