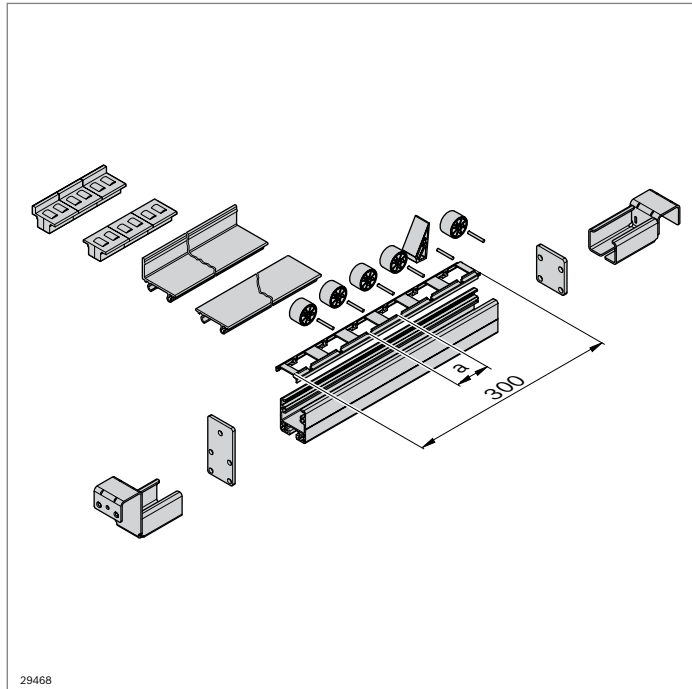


Elements for the construction of conveyor sections

- ▶ Assembly elements for constructing manual conveyor sections
- ▶ Various clip-in conveyor media, with and without lateral guide
- ▶ Standard slots as attachment interface
- ▶ EcoFlow for manual linking of workstations



Conveyor track Lean

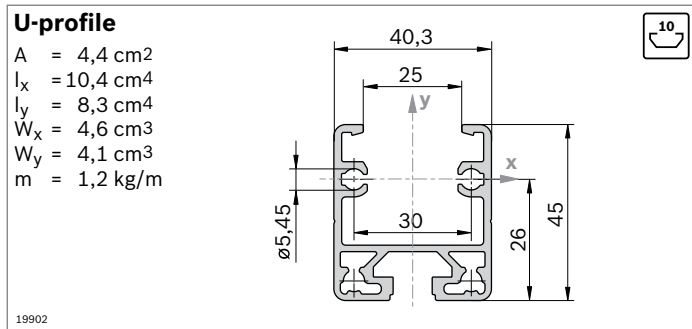


- ▶ Components for constructing manual conveyor sections
- ▶ Based on multi-functional U-profile
- ▶ Clip-in conveyor elements for all requirements:
 - rollers with or without flange; 4 colors to visually identify inventories (kanban) or to differentiate between good and reject parts
 - Slide rails with or without integrated lateral guide (GSSK, GS)
 - roller elements with and without flange (RE45SK, RE45)

Accessories:

Round tube D28 (p. 2-70)

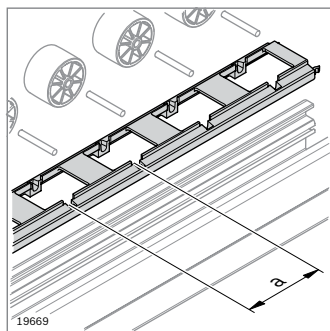
- ▶ U-profile with 10 mm slot



U-profile	L (mm)	ESD	No.
1 pcs	30 ... 6000		3 842 993 316 / L
20 pcs	6070		3 842 535 115
1 pcs	30 ... 6000	⚡	3 842 995 027 / L
20 pcs	6070	⚡	3 842 541 814

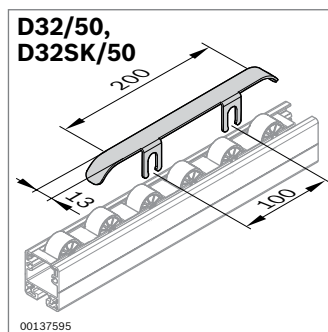
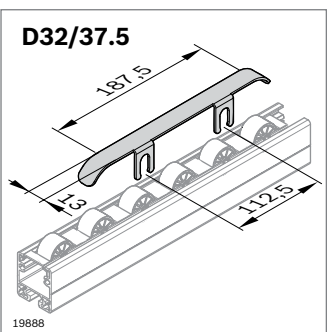
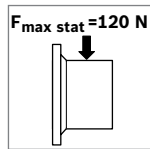
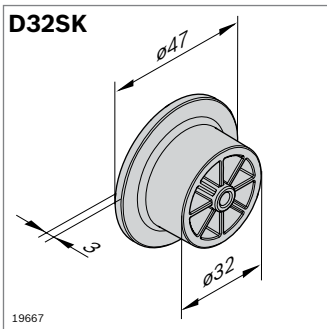
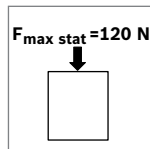
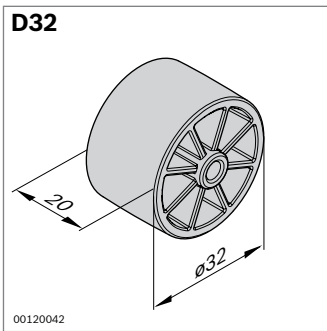
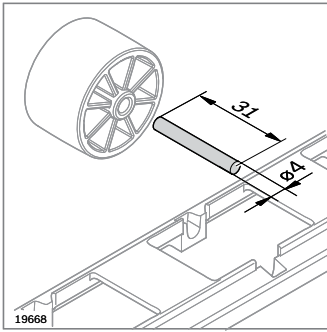
Material: U-profile: aluminum, anodized
U-profile ESD: aluminum, untreated

- ▶ Roller carrier for rollers D32 and D32SK (p. 12-21)



Roller carrier	a (mm)	ESD	No.
D32/37.5	37.5		3 842 537 944
		⚡	3 842 537 945
D32/50	50		3 842 532 887
		⚡	3 842 538 094
D 32SK/50	50		3 842 532 886
		⚡	3 842 537 947

Material: ABS



► Steel axis for rollers D32, D32SK

Steel axis	ESD	No.
	100	3 842 532 862

Material: steel, stainless

Roller	ESD	No.
D32 black		100 3 842 532 865
	⚠	100 3 842 537 961
red		100 3 842 532 866
	⚠	100 3 842 537 960
yellow		100 3 842 532 870
	⚠	100 3 842 537 959
green		100 3 842 532 752
	⚠	100 3 842 537 958

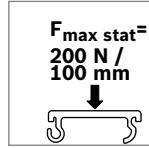
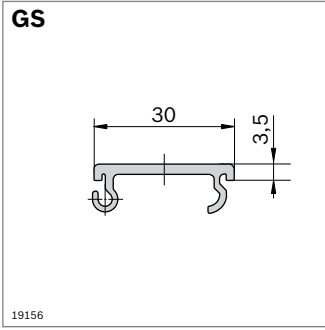
Material: PE, colored / ESD made of PA, colored

Roller	ESD	No.
D32SK black		100 3 842 532 867
	⚠	100 3 842 537 965
red		100 3 842 532 883
	⚠	100 3 842 537 964
yellow		100 3 842 532 884
	⚠	100 3 842 537 963
green		100 3 842 532 880
	⚠	100 3 842 537 962

Material: PE, colored / ESD made of PA, colored

Brake	ESD	No.
D32/37.5	⚠	20 3 842 537 948
D32/50, D32SK/50	⚠	20 3 842 532 881

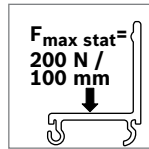
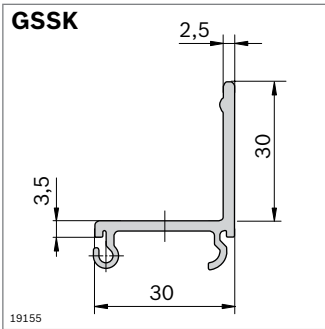
Material: steel; galvanized



- ▶ Slide rail GS for constructing conveyor tracks with large gradients
- ▶ Slide rail for use with heavy containers

Slide rail	L (mm)	ESD	No.
GS	3000	20	3 842 535 124
	3000	20	3 842 537 803

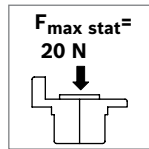
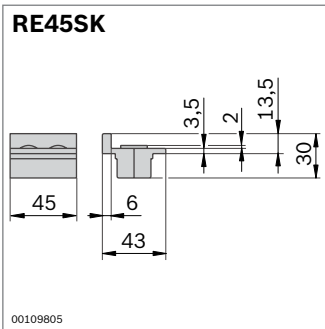
Material: PVC, gray / ESD in black



- ▶ Slide rail with lateral guide GSSK for constructing conveyor tracks with large gradients
- ▶ Slide rail for use with heavy containers

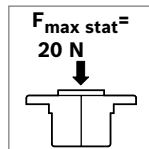
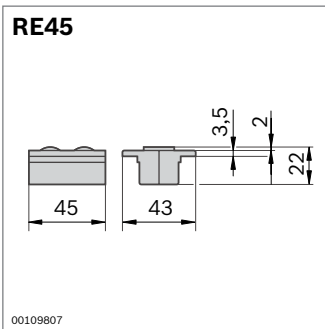
Slide rail	L (mm)	ESD	No.
GSSK	3000	20	3 842 537 806
	3000	20	3 842 537 807

Material: PVC, gray / ESD in black



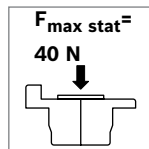
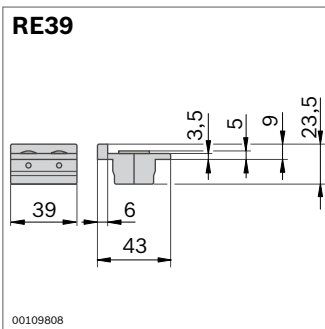
Roller element	ESD	No.
RE45SK	100	3 842 319 500
	100	3 842 538 065

Material: PA; black



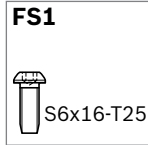
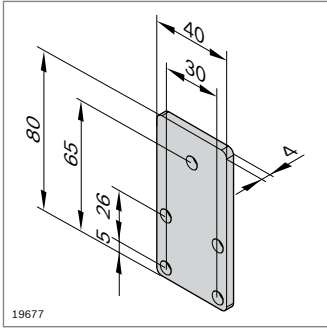
Roller element	ESD	No.
RE45	100	3 842 319 501
	100	3 842 538 064

Material: PA; black



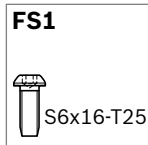
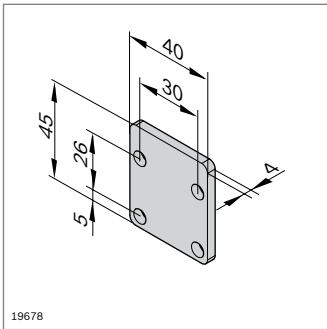
Roller element	ESD	No.
RE39	10	3 842 520 000
	10	3 842 538 245

Material: PA; black



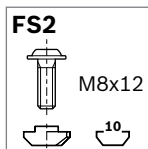
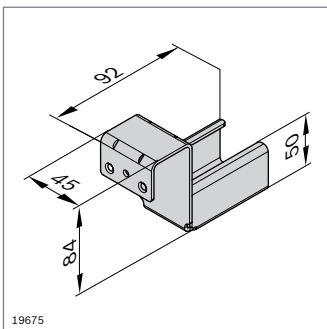
Stop plate with stop	ESD	No.	FS
40x80		20 3 842 535 121	4xFS1

Material: steel; galvanized
 Scope of delivery: incl. fastening material (FS)



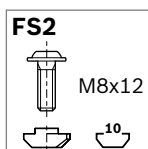
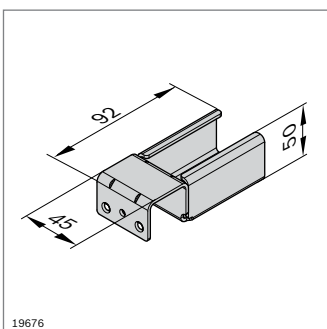
Stop plate without stop	ESD	No.	FS
40x45		20 3 842 535 122	4xFS1

Material: steel; galvanized
 Scope of delivery: incl. fastening material (FS)



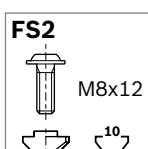
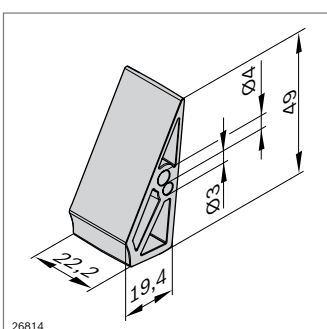
Rail holder with stop	ESD	No.	FS
		20 3 842 537 660	FS2

Material: steel; galvanized
 Scope of delivery: incl. fastening material (FS)



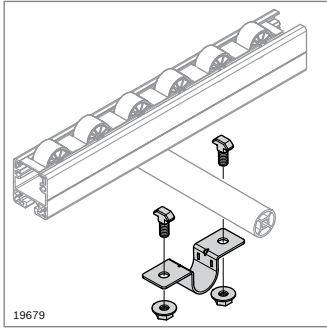
Rail holder without stop	ESD	No.	FS
		20 3 842 537 661	FS2

Material: steel; galvanized
 Scope of delivery: incl. fastening material (FS)



Stopper XLean/Lean	ESD	No.	FS
		10 3 842 552 151	FS2

Material: PP
 Fastening material: steel; galvanized
 Scope of delivery: incl. fastening material (FS)



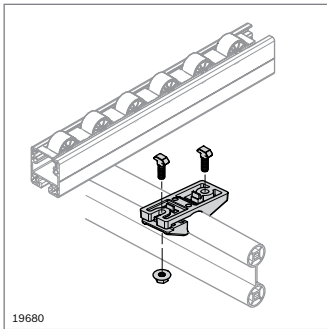
FS3

HS10-
M8x20

M8

Tube clamp D28		No.	FS
	20	3 842 535 364	2xFS3

Material: steel; galvanized
 Scope of delivery: incl. fastening material (FS)



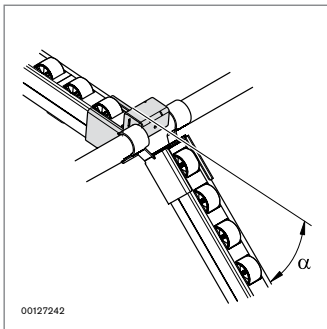
FS4

HS10-
M8x30

EN 1661-
M8-8.8

Holder for strut profile D28x55		No.	FS
	20	3 842 537 720	2xFS4

Material: steel; galvanized
 Scope of delivery: incl. fastening material (FS)



FS5

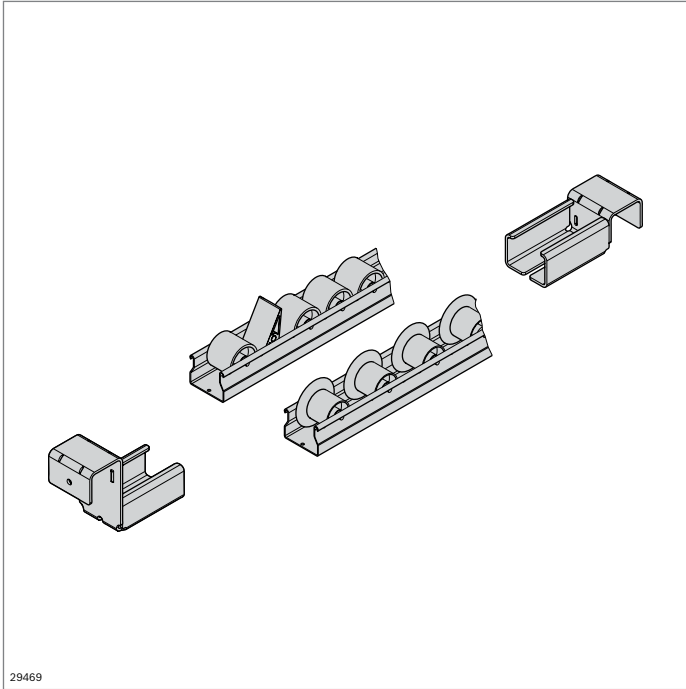
M8x12-
10.9-VZ

10

- Flexible bridge with maximum tilt (α_{max}) from horizontal:
- with round tube D28 (p. 2-70): $\alpha_{max} = 40^\circ$
 - with strut profile D28x55 (p. 2-71): $\alpha_{max} = 30^\circ$

Flexible bridge		No.	FS
	20	3 842 537 951	FS5

Material: steel; galvanized



29469

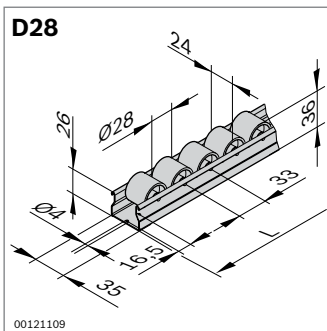
Conveyor track XLean



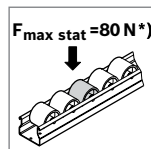
- ▶ Conveyor track made of steel profiles with plastic rollers and optional roller flange
- ▶ Available as ESD-conductive version.
- ▶ Self-supporting roller section
- ▶ Roller section with drill holes for fastening

Accessories:

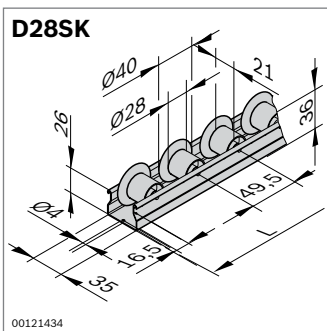
Round tube D28 (p. 2-70)



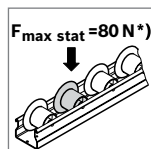
00121109



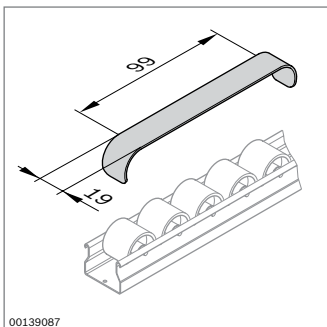
* per roller



00121434



* per roller



00139087

Roller section	L (mm)	ESD	No.
D28	100 ... 4500	1	3 842 993 321 / L
	4500	50	3 842 537 776
	100 ... 4500		3 842 993 431 / L
	4500		3 842 537 778

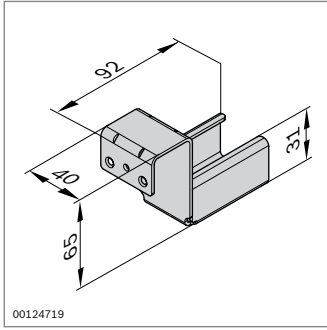
Material: Rail: steel, galvanized
Roller: PP

Roller section	L (mm)	ESD	No.
D28SK	100 ... 4500	1	3 842 993 322 / L
	4500	50	3 842 537 777
	100 ... 4500		3 842 993 432 / L
	4500		3 842 537 779

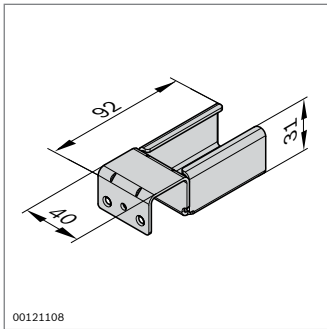
Material: Rail: steel, galvanized
Roller: PP

Brake	No.
	3 842 532 871

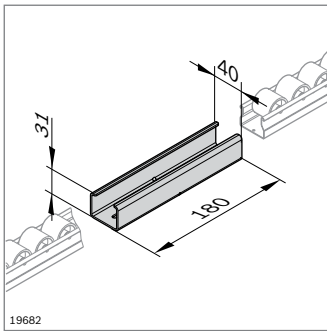
Material: Spring steel



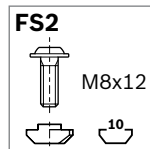
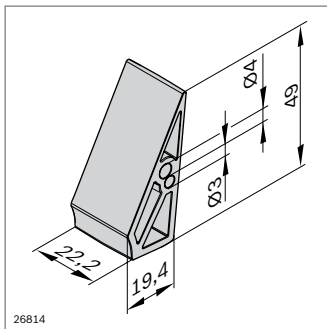
Rail holder with stop			No.
		20	3 842 538 372
Material:	steel; galvanized		



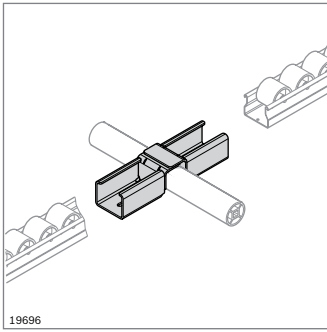
Rail holder without stop			No.
		20	3 842 537 687
Material:	steel; galvanized		




Section link			No.
		20	3 842 536 722
Material:	steel; galvanized		

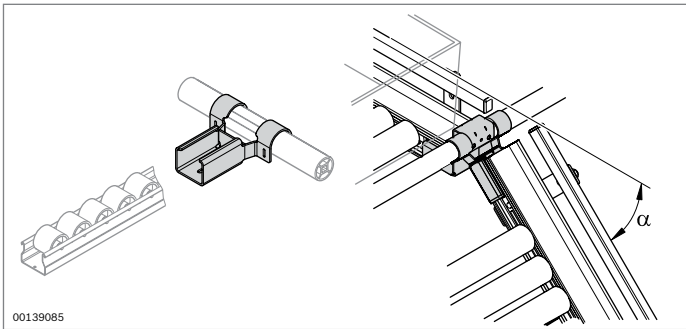


Stopper XLean/Lean		ESD		No.	FS
			10	3 842 552 151	FS2
Material:	PP				
	Fastening material: steel; galvanized				
Scope of delivery:	incl. fastening material (FS)				




Bridge		No.
	20	3 842 536 724

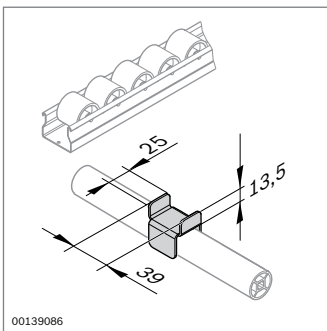
Material: steel; galvanized




- Flexible bridge with maximum tilt (α_{\max}) from horizontal:
- with round tube D28 (p. 2-70): $\alpha_{\max} = 40^\circ$
 - with strut profile D28x55 (p. 2-71): $\alpha_{\max} = 30^\circ$

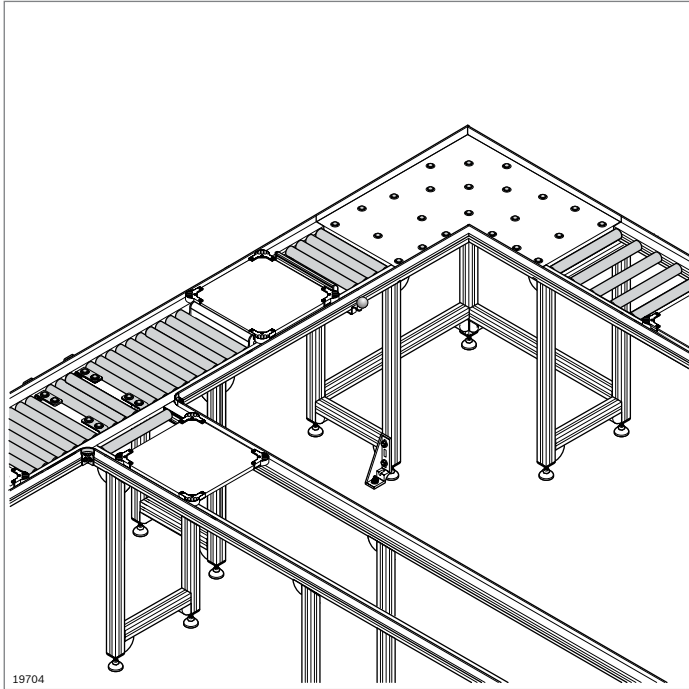
Flexible bridge		No.
	20	3 842 537 911

Material: steel; galvanized



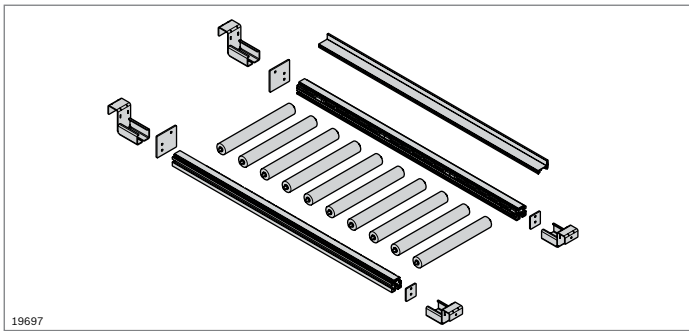
Mounting		No.
	20	3 842 537 657

Material: steel; galvanized



EcoFlow conveyor track

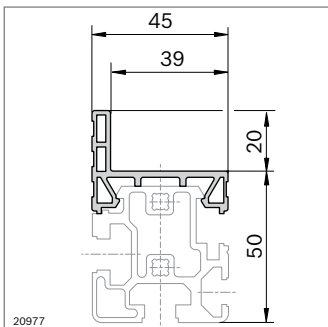
- ▶ Based on EcoFlow section profile
- ▶ For manual slide sections with rollers
- ▶ Clip-in guide profiles with lateral guide and clip-in conveyor rollers



MV45x45

$A = 6,2 \text{ cm}^2$
 $I_x = 11,8 \text{ cm}^4$
 $I_y = 10,5 \text{ cm}^4$
 $W_x = 5,3 \text{ cm}^3$
 $W_y = 4,7 \text{ cm}^3$
 $m = 1,7 \text{ kg/m}$

19698

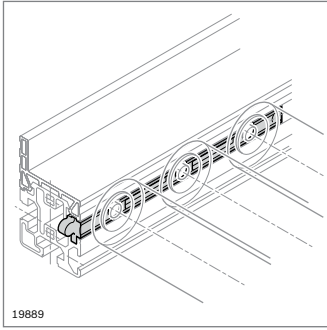


Section profile MV45x45		L (mm)	No.
1 pcs		30 ... 6070	3 842 993 029 / L
20 pcs		6070	3 842 537 321

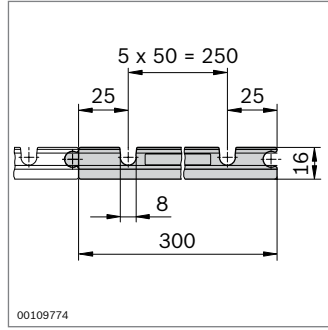
Material: aluminum, anodized

Guide profile MV45		L (mm)	ESD		No.
30 ... 3000				1	3 842 993 511 / L
3000				10	3 842 525 443
30 ... 3000				1	3 842 993 512 / L
3000				10	3 842 526 034

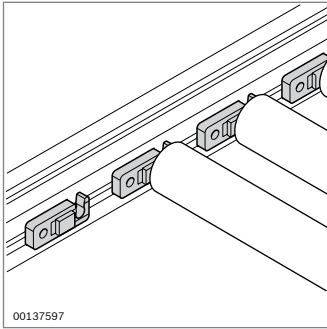
Material: PVC



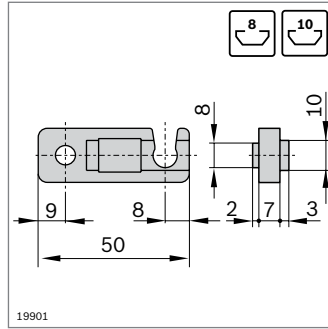
19889



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19901

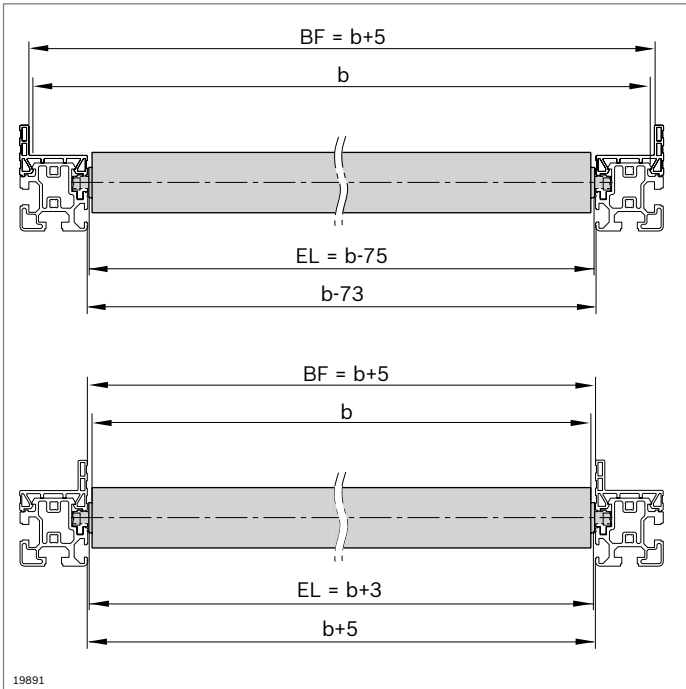
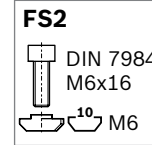
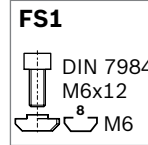
EcoFlow roller carrier	ESD	No.
	10	3 842 535 683

Material: ABS; black

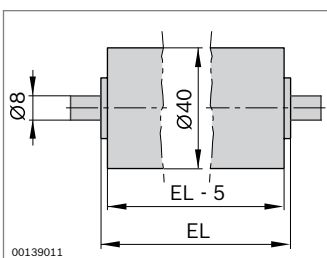
Roller mount	Slot	No.	FS
	8	10	3 842 535 667 FS1
	10	10	3 842 535 668 FS2

Material: Roller mount: PA6, black
Fastening material: steel; galvanized

Scope of delivery: incl. fastening material (FS)

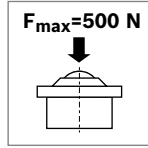
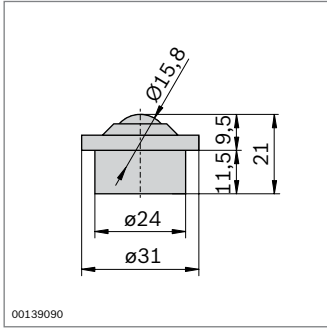


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00139011

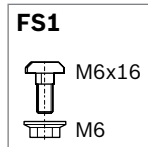
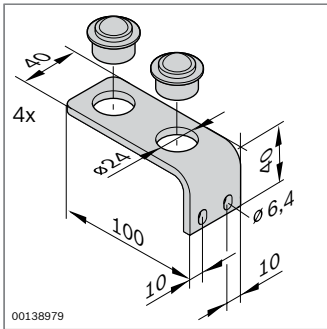
EcoFlow roller	F _{max} (N)	EL (mm)	ESD	No.
Plastic, gray	150	105 ... 605		3 842 994 989 / L
		225		3 842 525 740
		325		3 842 525 741
		425		3 842 525 742
		525		3 842 537 164
steel; galvanized	500	105 ... 1005		3 842 994 988 / L
		225		3 842 525 737
		325		3 842 525 738
		425		3 842 525 739
		525		3 842 537 163
Stainless steel	150	105 ... 1005		3 842 995 008 / L



► Ball roller for smooth manual movement of goods with large-surfaces

Ball roller	ESD	No.
		20 3 842 541 008

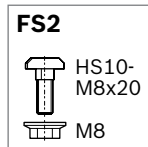
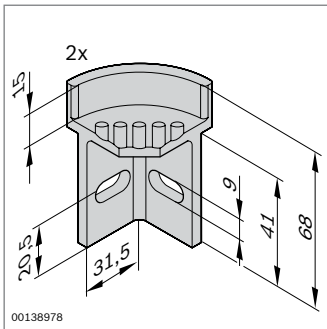
Material: Housing: steel; galvanized
Ball: Stainless steel



Transverse conveyor	ESD	No.	FS
		Set 3 842 536 055	8xFS1

Material: Bracket: steel; galvanized
Ball: Stainless steel

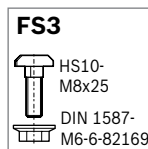
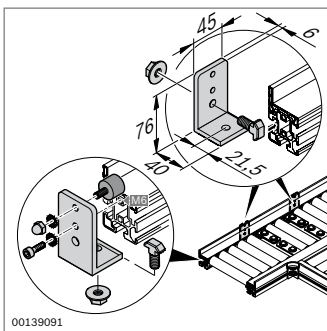
Scope of delivery: incl. 4 x bracket plate, fastening material (FS) for 10 mm slot



Corner piece	ESD	No.	FS
		Set 3 842 536 056	4xFS2

Material: PA; black, ESD-conductive

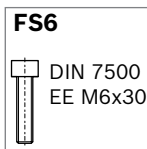
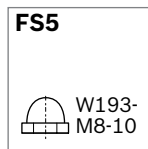
Scope of delivery: incl. 2 x corner piece, fastening material (FS) for 10 mm slot

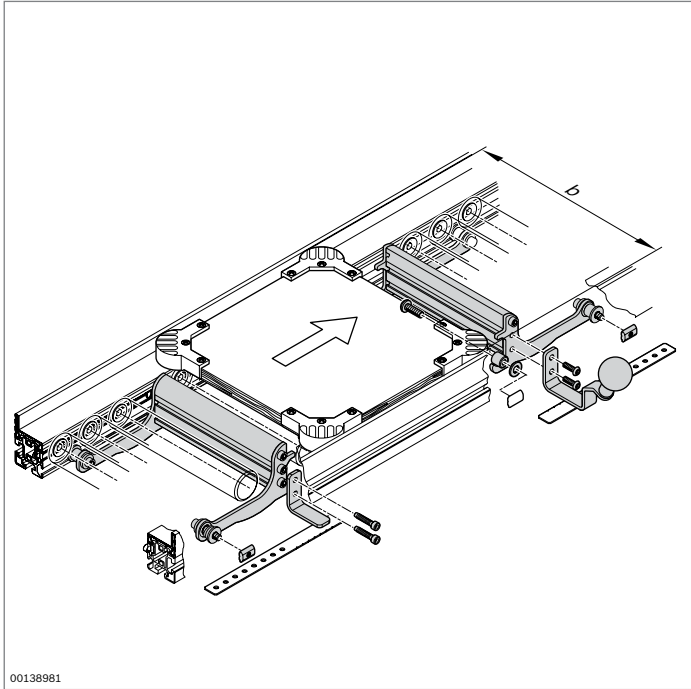


Stop	No.	FS
	Set 3 842 536 057	2xFS3, 4xFS4, 2xFS5, 2xFS6

Material: aluminum, anodized

Scope of delivery: incl. 2 x stop, fastening material (FS)

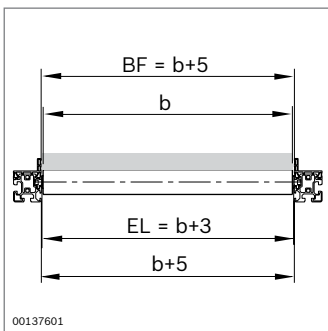
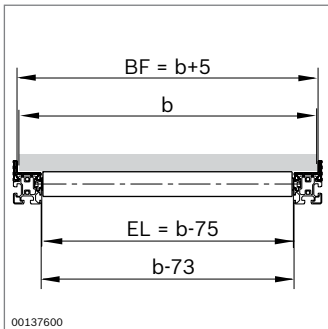




EcoFlow stop gates and return stops



- ▶ Stop gate and return stop for positioning workpiece pallets or containers
- ▶ At the planning stage remember to leave sufficient leg room. The stop gate and return stop extend downwards by an additional 45 mm
- ▶ We recommend using a workpiece pallet with corner pieces (p. 12-32) to provide a defined stopping mechanism

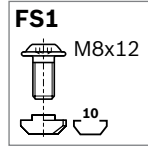
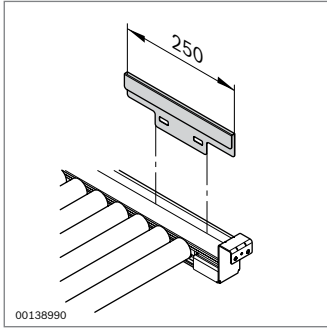


Stop gate	EL (mm)	No.
	105 ... 1005	3 842 995 007 / EL
	225	3 842 537 894
	325	3 842 537 895
	425	3 842 537 896
	525	3 842 537 897

Scope of delivery: Incl. fastening material

Return stop	EL (mm)	No.
	105 ... 1005	3 842 995 017 / EL
	225	3 842 537 898
	325	3 842 537 899
	425	3 842 537 900
	525	3 842 537 901

Scope of delivery: Incl. fastening material

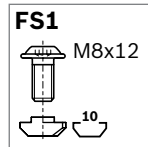
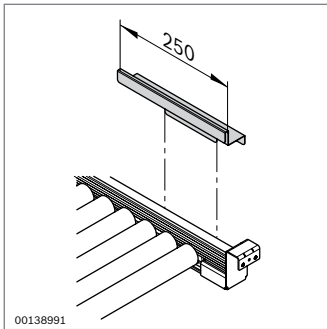


- ▶ Protective cover to protect the EcoFlow guide profile when loading the conveyor track

Protective cover		No.	FS
Outer slide rail	Set	3 842 537 583	4xFS1

Material: steel; galvanized

Scope of delivery: incl. 2 x protective cover, fastening material (FS)

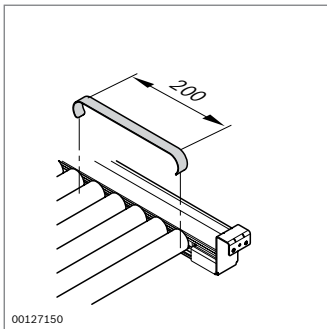


- ▶ Protective cover to protect the EcoFlow guide profile when loading the conveyor track

Protective cover		No.	FS
Inner slide rail	Set	3 842 537 584	4xFS1

Material: steel; galvanized

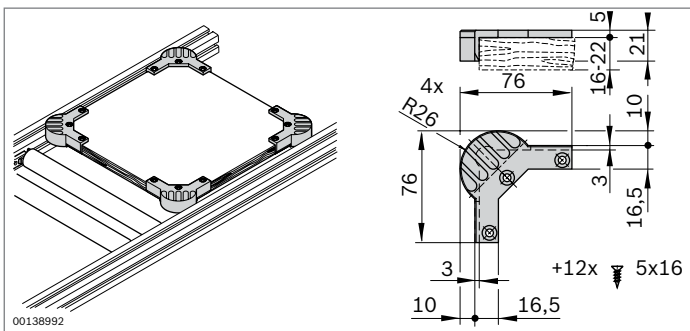
Scope of delivery: incl. 2 x protective cover, fastening material (FS)



- ▶ Brake for bringing containers to a stop gently

Brake		No.
	20	3 842 537 740

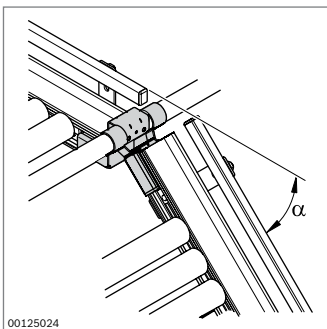
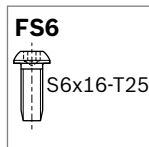
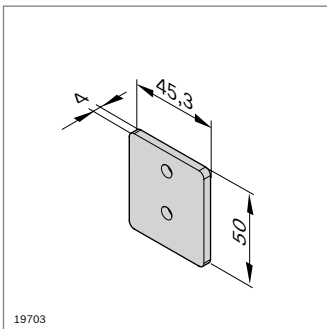
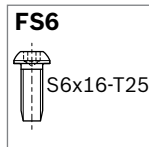
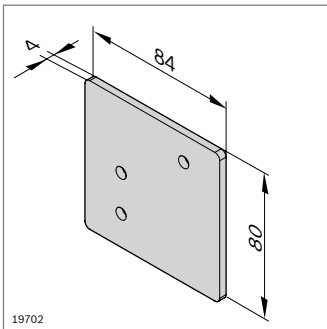
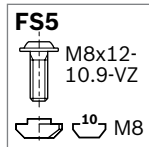
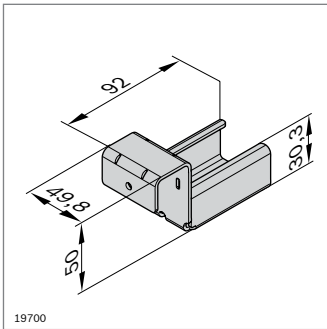
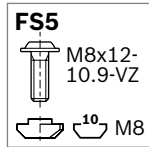
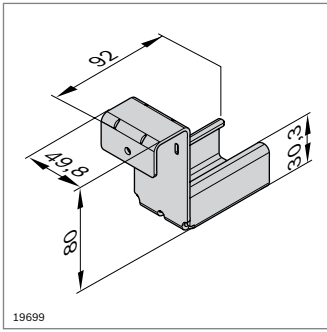
Material: steel; galvanized



- ▶ Corner pieces for assembly of workpiece pallets
- ▶ For isolating parts from the pallet queue, well-defined guidance and stopping surfaces, good transition through curves and avoidance of edges where trapping may occur

Corner pieces for workpiece pallets	ESD		No.
		Set	3 842 536 054

Material: PA



Rail holder with stop	No.	FS
	20	3 842 537 664 FS5

Material: steel; galvanized
 Accessories: Round tube D28 (p. 2-70)
 Scope of delivery: incl. fastening material (FS)

Rail holder without stop	No.	FS
	20	3 842 537 665 FS5

Material: steel; galvanized
 Accessories: Round tube D28 (p. 2-70)
 Scope of delivery: incl. fastening material (FS)

Stop plate with stop	No.	FS
	20	3 842 537 593 2xFS6

Material: steel; galvanized
 Scope of delivery: incl. fastening material (FS)

Stop plate without stop	No.	FS
	20	3 842 537 592 2xFS6

Material: steel; galvanized
 Scope of delivery: incl. fastening material (FS)

- Flexible bridge with maximum tilt (α_{max}) from horizontal:
 - with round tube D28 (p. 2-70): $\alpha_{max} = 40^\circ$
 - with strut profile D28x55 (p. 2-71): $\alpha_{max} = 30^\circ$

Flexible bridge	No.
	20 3 842 537 911

Material: steel; galvanized