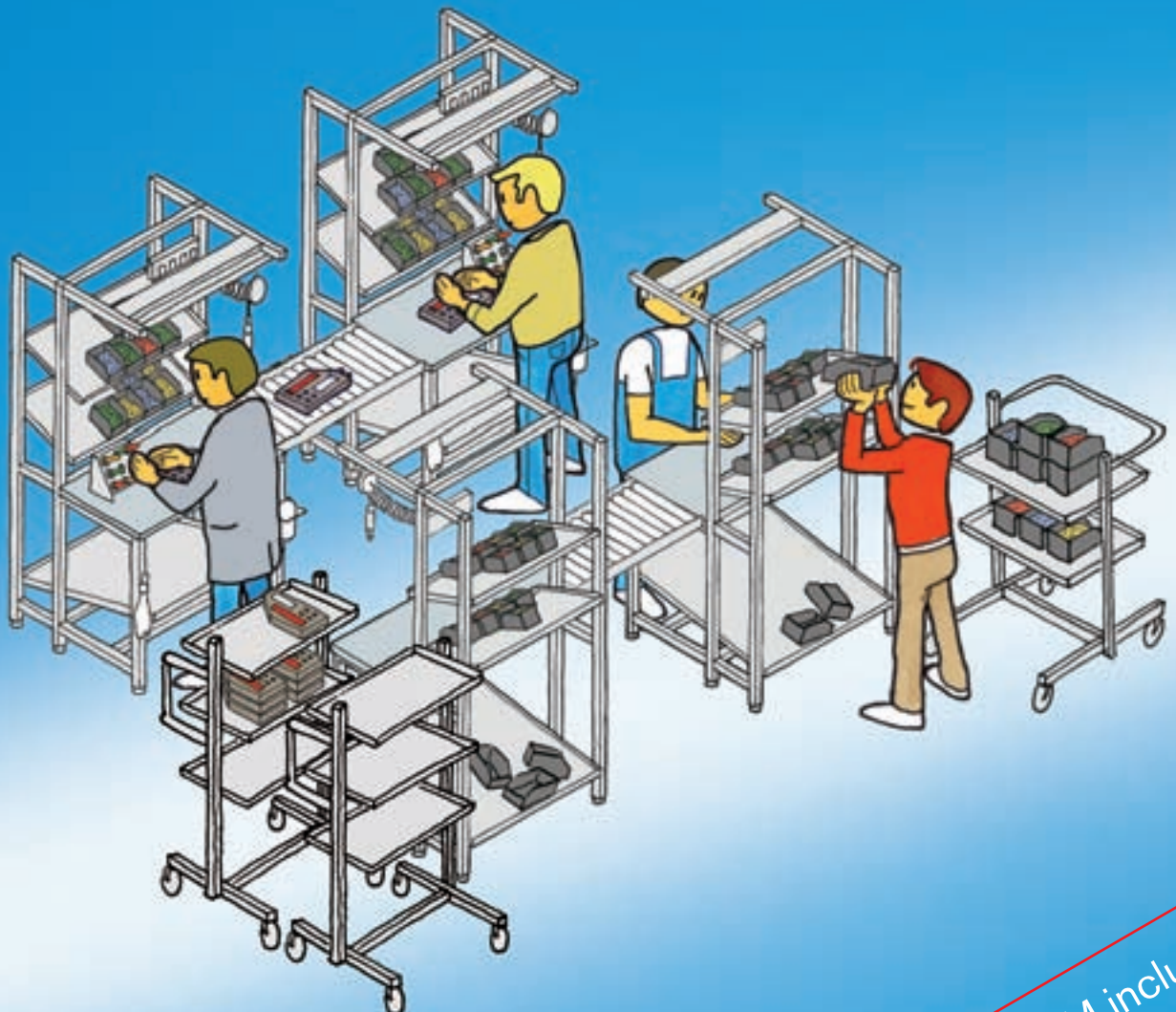


Manual Production Systems

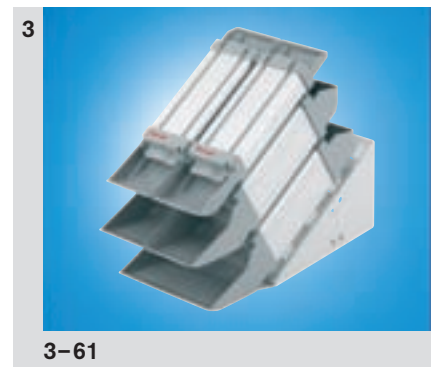
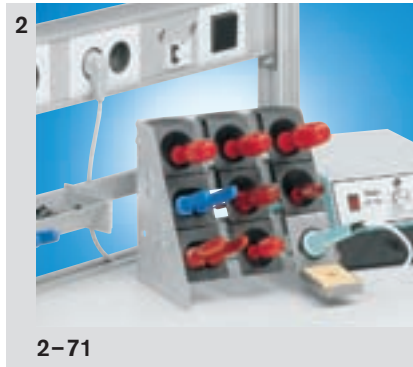
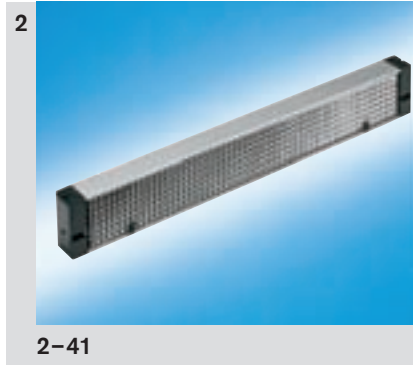
Version **3.0**

The Drive & Control Company







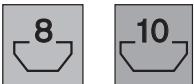




CD-ROM included





Symbols

	You can easily configure customized products using the MPScalc software!
	Conductive material version according to DIN EN 61 340-5-1, suitable for ESD-sensitive areas
<div><div>Material-Nr.</div><div>3 842 514 653</div></div>	Material number
	Available in packing units; number = quantity per packing unit
	Available in a set = typical consumption unit
	Partially assembled / Assembled
	Profile used in the frame
	Width of profile groove; accessories suitable for attaching in profile groove
	 3-4 Reference to another page

Contents

The Manual Production Systems from Rexroth	1
Workstations and workstation accessories	2
Flow rack systems and supply of materials	3
Manual links (EcoFlow)	4
Material shuttles	5
Technical data	6
Material number overview	7
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The MPS Philosophy

The main concern of modern production is to avoid waste. The MPS Manual Production Systems from Rexroth have been developed strictly in line with aspects for lean production, enabling simple and fast planning and implementation of lean production installations.

The demands on modern, lean production are more than just focusing on individual modules. In fact, an integrated system with a uniform implementation concept comes to the forefront. At Rexroth, this concept is reflected by the MPS philosophy.

Products

Based on the three pillars of the Manual Production Systems covering workstations, supply of materials, and links, you can create, for example workstations, as well as entire production lines, that can be quickly adapted to your work content and executed in an extremely efficient manner and avoiding waste in line with "lean" principles.

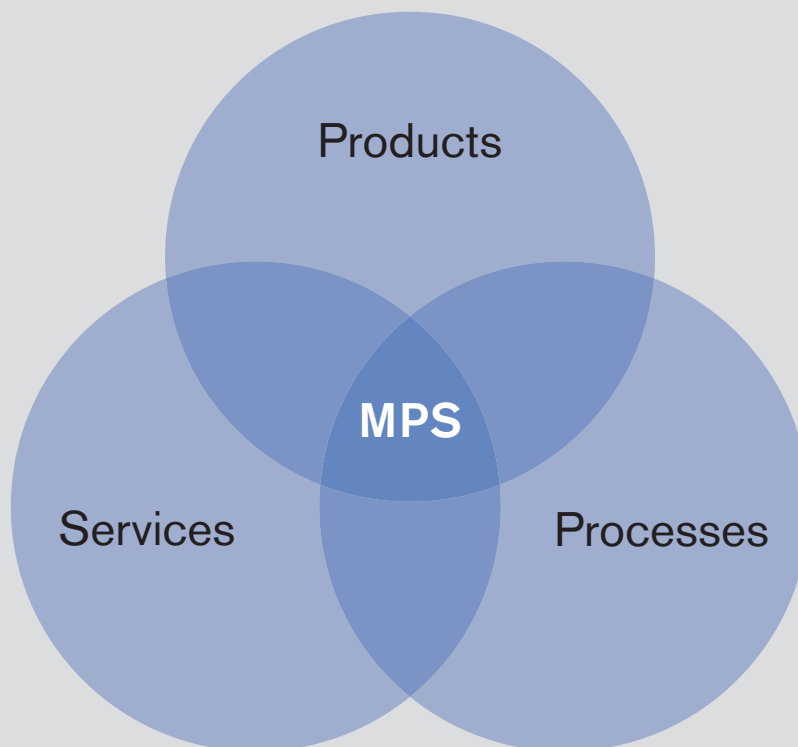
Services

Rexroth will guide you throughout the entire lean production process. The offered services support you at the beginning of the planning process in individual workshops or in the scope of the implementation process with the *MPScalc* software.

Processes

The MPS philosophy is rounded out by Rexroth's internal processes. Short delivery times and process flexibility enable you to make your thoughts on lean production a reality without any waste.

Lean production



Lean production

Production - the heart of your company

Production is the creation of products, which, in turn, results in value appreciation and added value. Each process comprises tasks that add value as well as tasks that generate sometimes obvious, but often hidden waste. This is why the goal of production planning is to create a production system that is as free of waste as possible by continually minimizing waste and increasing added value.

Step by step to lean production without any waste

Using the Manual Production Systems from Rexroth, you will be able to reduce waste in your production system.

Using it the following basic ideas can be put into practice:

- Customer cycles (only produce what your customer needs)
- Pull principle (excess inventory is prevented or controlled)
- One-piece flow (increases transparency)
- Zero defect principle

A combination of theory and practice

By incorporating ergonomic aspects into the design of your production equipment, you will be able to optimize working conditions and thus increase the motivation of your workers.

Well prepared for modifications

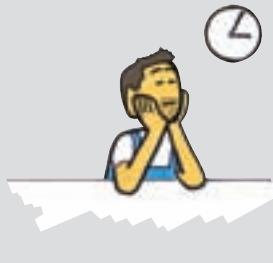
Lean production that has been individually designed and planned with the Manual Production Systems from Rexroth results in short lead times and increased worker response times. All these benefits ensure a high level of customer satisfaction for the long term.

Gradual investments

Furthermore, individual constructions and assemblies in the Manual Production Systems are the foundation for continuous improvements and gradual investments in production equipment and thus guarantee even more efficiency.



Avoid overproduction



Eliminate waiting times



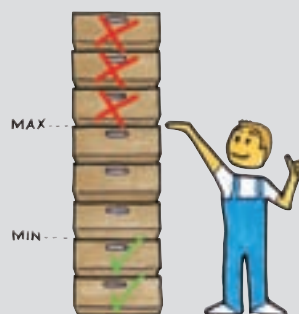
Avoid errors



Avoid overprocessing



Avoid movement that does not add value



Lower stocks



Reduce transports

The three pillars of the Manual Production Systems

Flexibility creates efficiency

The Manual Production Systems consist of three pillars:

- Workstations and workstation accessories
- Supply of materials
- Links

Production demands can change rapidly, whether you are changing volume, new product variants, or product generations – the Manual Production Systems from Rexroth can be flexibly adjusted to fit any need.

Thus, your workers are always working at optimum capacity, helping your company reach the maximum level of productivity.

High stability combined with optimum flexibility

Our Manual Production Systems were developed according to ergonomic and logistic considerations, and based on Rexroth's modular profile system. The experiences of our customers were the main focus while developing this new system.

In addition to all these features, we also offer a proven and comprehensive range of products to fully equip your manual production facilities.

Simple assembly



Transparent price calculation



Custom version

Manual Production Systems



A Manual Production System in five minutes

Planning and calculation with MPSCalc

MPSCalc is a comprehensive, well thought-out software to professionally design, construct, and calculate manual production systems (including custom workstations, flow racks, and material shuttles).

By entering the desired product parameters, you easily and quickly obtain:

- A transparent price calculation
- A detailed 3-D preview of your configuration (3-D/CAD model)
- An order form with your data

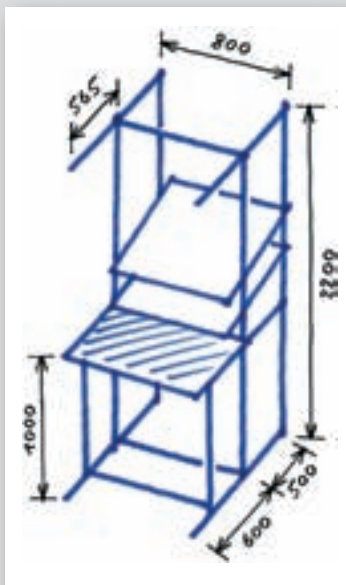
You are then able to read the data into your planning software or any CAD system.

In contrast to conventional planning methods, this program helps you save time and allows you to develop simple and targeted planning variants. This way, you receive products that have been specially adapted and standardized to your needs quickly and efficiently – without high planning costs.

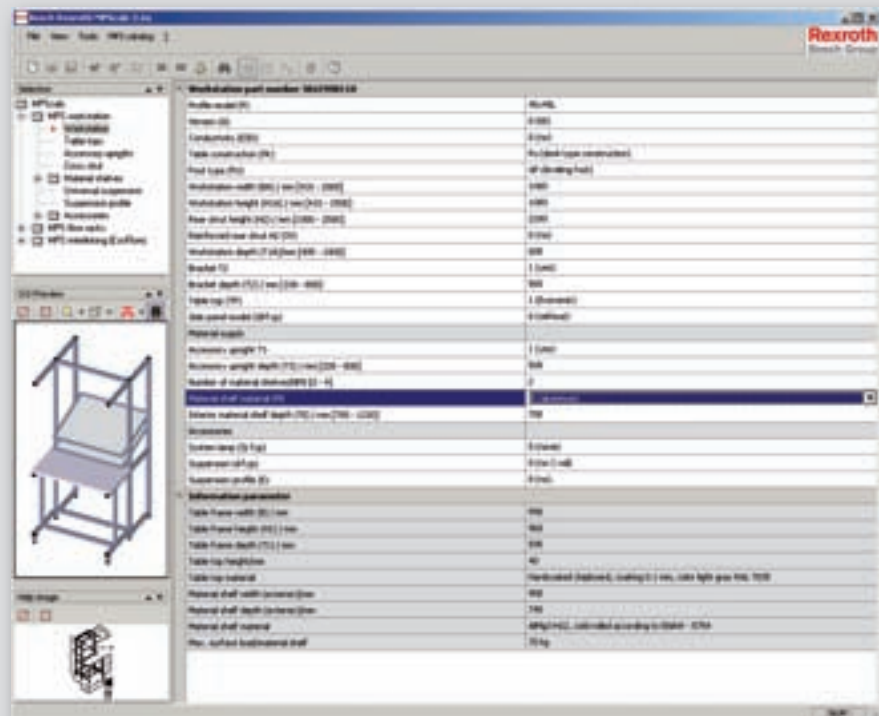
MPSCalc is available online or on CD. Updates with new products are regularly provided online for downloading.

www.boschrexroth.com/mpscalc

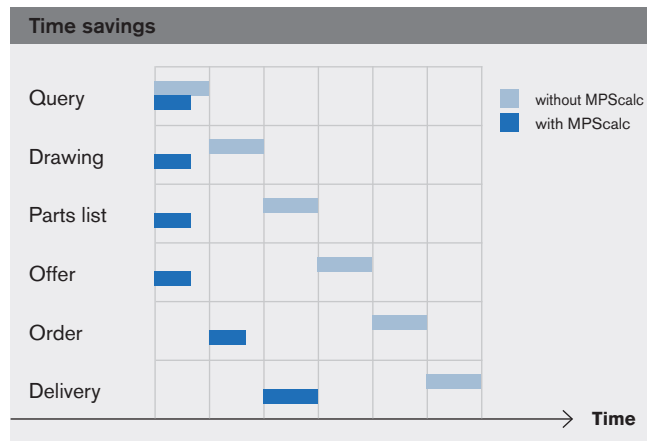
1. Sketch your desired product



2. Enter your individual parameters



Manual Production Systems



Five advantages with MPSca/c:

- Time savings
- Flexibility
- Avoid errors
- Clarity
- Standardization

3. Price calculation, order form and finished CAD drawing at the press of a button

Order form:

Please fax to: +49(0)711 811 30364

Date: 20.8.2006
 Buyer: Herr Mustermann
 Company: Mustermann
 Billing address: Musterstraße 1, 12345 Musterstadt

Tel. no.:
 Fax no.:
 E-mail:
 Company: Mustermann
 Delivery address: Musterstraße 1, 12345 Musterstadt

Customer no.:
 Order no.:
 Preferred delivery date:

Designation: Complete MPS workstation

Quantity: 1

Order no.: 3842988110

Price: 783.13 EUR

Ordering parameter:

A	Version:	1 (assembled)
ESD	Conductivity:	0 (no)
PK	Table construction:	PU (desk type construction)
P	Profile model:	45x45L
FL	Foot type:	GF (leveling foot)
BA	Workstation width:	800 mm
H1A	Workstation height:	1000 mm
H2	Rear strut height:	2200 mm
T1A	Workstation depth:	600 mm
T2	Bracket depth:	665 mm
TP	Table top model:	1 (Ergonomic)
SBType	Side panels:	0 (without)
ATyp	Suspension:	0 (no C rail)
T3	Accessory upright depth:	500 mm
NM	Number of material shelves:	2
M	Material shelf material:	2 (PP)
TE	Interior material shelf depth:	700
E	Suspension profile:	0 (no)
SV	Reinforced rear strut H2:	0 (no)
SLType	System lamp:	0 (none)

Total: 783.13 EUR
 Discount (0.00%): 0.00 EUR
 Sum total: 783.13 EUR

Manual Production Systems



Continuous improvement of our production in Stuttgart

Optimizes processes through:

- **One-piece flow**
- **Lower stocks**
- **Standardization**
- **Separation of assembly and logistics**

Production at our location in Stuttgart is continually improved by integrating economic and ergonomic aspects. These improvements center around the one-piece flow assembly system, a reduction in material stocks, as well as the standardization of the entire production process, including a clear separation between assembly and logistics (supply of parts).

In doing so, we take the entire supply chain into account.

The following points underline the positive results of this continuous improvement:

- Reduction of work area
- Shortening of distances walked by workers
- Increased employee motivation
- Considerable increase in transparency and flexibility

Our Manual Production Systems have been tried in practice and constantly developed further. Doing so ensures the flexibility of MPS products in production, which you ultimately profit from.

1



Increased transparency



Individual parts supply



Work ergonomically

MPS – a complete ESD-protected system

Protection for ESD-sensitive components

ESD is caused by electric charges that are generated by friction on various materials or by the influence of electric fields. Voltages of up to 10,000 V can develop from electrostatic discharge.

Damage to ESDSs and their printed circuit boards result in high costs. Damage leads to an irreversible change in the device and a reduction in the ESDS service life. Dangerous component voltages have an effect on ESDS sensitivity.

The most effective way to reduce ESD is to simply avoid electric charges or to conduct carried charges safely. Rexroth's ESD program, with ergonomically designed components, will assist you in designing a production system that avoids electrostatic discharge.

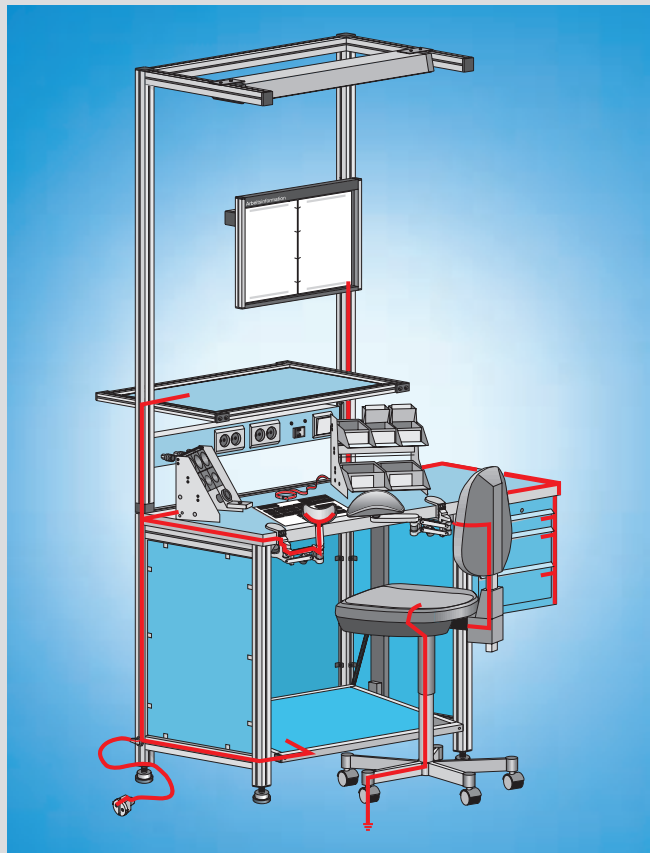
With suitable materials and connection technology, the components in the ESD program are either electrostatically conductive or deflection and create a fully protected system.

A defined grounding at a point on the workstation or shelf system makes high-risk and cost-intensive cabling of individual components unnecessary. To ensure and maintain the ESD-conductive properties at the workstation or shelf system, we recommend checking conduction resistance at regular intervals after assembly.

Rexroth components fulfill the requirements for the protection of ESDSs (DIN EN 61340-5-1). The individual national personal safety regulations must be observed during assembly and connection.

ESD (Electro-Static Discharge)
– electrostatic discharge of charged objects or persons.

ESDS (Electro-Static Discharge Sensitive Device) – components, which, due to their electric qualities or interior structure, can be damaged or destroyed by static discharge.



Increased productivity with ergonomically designed production systems

Ergonomically designed production systems ensure:

- **Work with reduced fatigue**
- **Increased productivity**
- **Targeted and optimized use of capacities**
- **Motivated workers**

An ergonomic workstation design plays a decisive role in reducing waste during production. Thus, for example, parts picking motions and walking distances are directly related to the design of the individual workstation. From an ergonomic aspect, the main focus is on the worker. This is why these workstations are designed to fit each worker and not the other way around.

Our stand up/moving and sit down/stand up concepts are the foundation for dynamic, stress-free work. Both concepts are based on individually adaptable workstations with perfectly matched chairs. The Manual Production Systems from Rexroth provide all the modules you need to ergonomically design and arrange your workstations.

We have developed an ergonomics checklist that assists you during workstation planning and design, which will help you attain the greatest possible performance, safety, and motivation from your workers. This checklist is based on the seven basic rules for ergonomics.

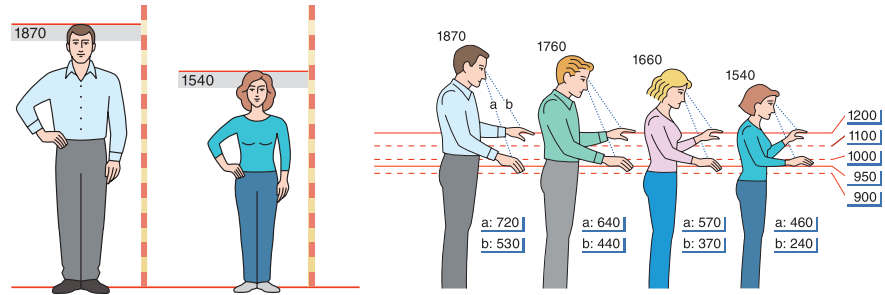


Basic rules of ergonomics

Taking body height into account

The height of the workstation must be suitable for employees of different heights.

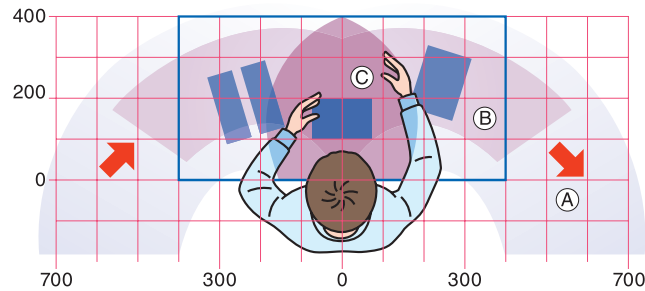
- Make sure that there is enough freedom of movement under the workstation
- Take into account that the size of the workpiece, as well as the equipment at the workstation, has an influence on the worker's posture.



Grab area size

Basically, all parts, tools, and accessories should be within the worker's reach to avoid extreme stresses. You can differentiate between three grab areas.

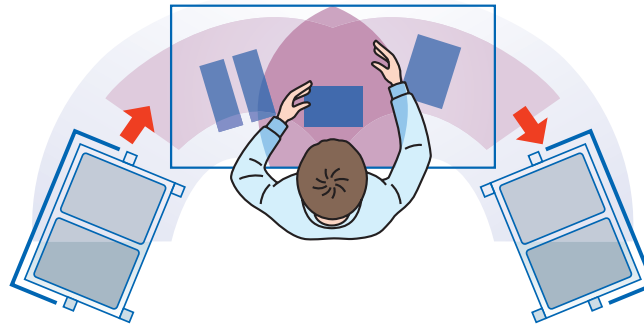
- Maximum grab area A
- Optimum grab area B
- Two-handed area C



Optimizing positioning of containers and material flow

Containers with the most commonly used parts should always be easy to reach with a minimum of movement (short grab distances). Heavy parts should be located immediately above the workstation surface.

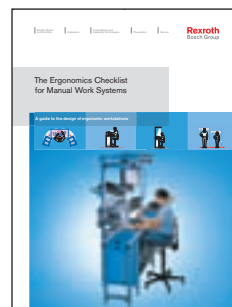
- Position all containers in the optimum grab area B.
- Use possibilities for working with both hands to save time.
- Select the container size according to the parts geometry and required part quantity.



Using planning aids

Using simple aids, you can quickly and easily visualize variants in the planning phase.

- With the ergonomics checklist (material no. 3 842 525 794), you design your work equipment ergonomically.
- A template allows for quick layout drawings on a 1:10 scale.
- We are happy to offer you more support via training courses and workshops on location.
- E-mail: mps.rexroth@mps.rexroth.de.

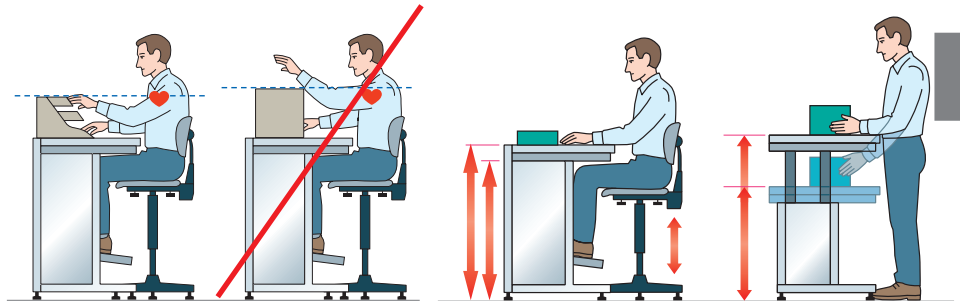


Manual Production Systems

Avoid working positions over heart height

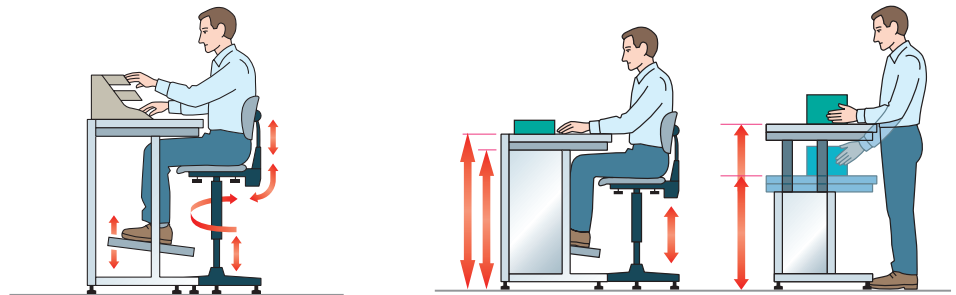
Working positions over heart height should be avoided as they decrease circulation. This quickly leads to a reduction in worker efficiency.

- Use sit-down/stand-up or stand-up/moving concepts to provide for a variety of postures

**Correctly setting workstation equipment**

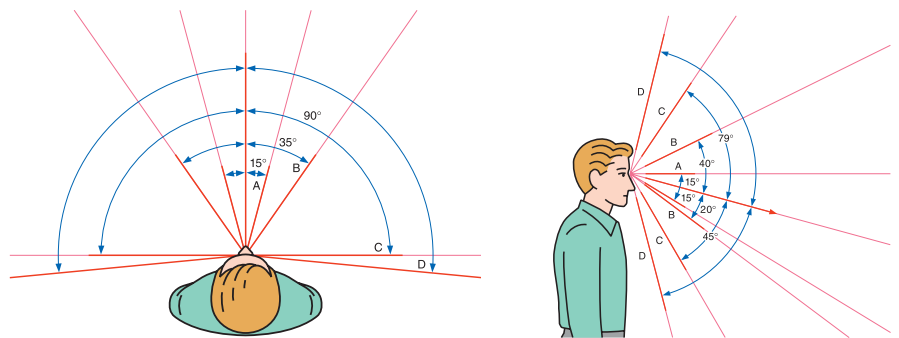
Correctly set workstation equipment lowers stresses, reduces absences, and simultaneously increases productivity and performance.

- Set your production equipment so it is adapted to the worker and the task at hand.
- Use the adjustment options of the equipment to enable a more efficient worker posture without fatigue.

**Taking vision area into account**

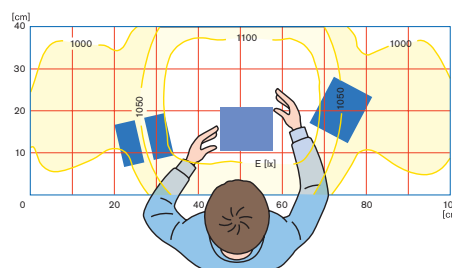
Continual refocussing and frequent changes in the angle of vision are overly stressful and strain the eyes.

- Arrange frequently needed materials in optimum vision field A to avoid unnecessary head and eye movements.
- Position the grab containers at a uniform distance.

**Adapting illumination to the task at hand**

The correct illumination for a task is exceptionally important, as it reduces errors and increases worker performance.

- Adapt the illumination to the worker's task at hand.



Workstations

Workstation systems and accessories

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On-hand information	 2-53
Optimum positioning of tools	 2-65
Workstation accessories	 2-75
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Workstations

Workstation systems and accessories

Workstation systems and comprehensive accessories from Rexroth can be individually adapted to your production needs. Custom workstations offer a wide range of variable dimensions. With MPS, you can flexibly design your own individual workstation solution. You can choose from custom products, which enable you to put together the perfect solution using numerous parameters. Or select from standard products with fixed dimensions.

In addition, a comprehensive program of accessories consisting of workstation lighting, power supply, information provision and positioning of tools, as well as ESD components and swivel work chairs, is available.



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












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Workstations

Workstations

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Workstations

Custom workstations

Custom workstations offer a wide range of variable dimensions and versatile components for the individual and flexible configuration of your workstations.

As a result, waste in production is minimized and available work spaces are used effectively.

For example, you can equip your workstation with a table top, material supply, and lighting. This allows for a kanban system layout, i.e. a division of assembly and logistics.

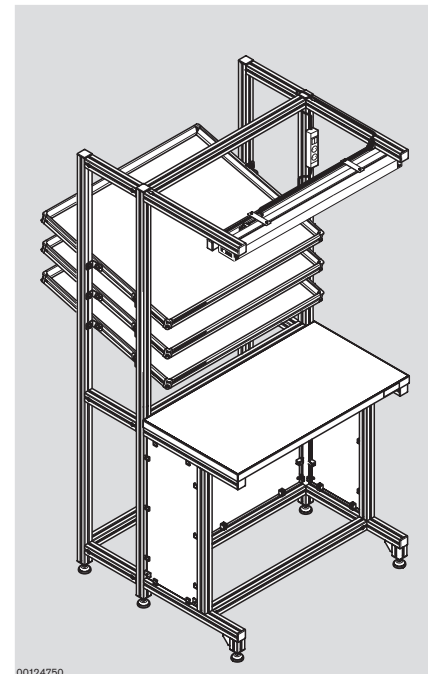
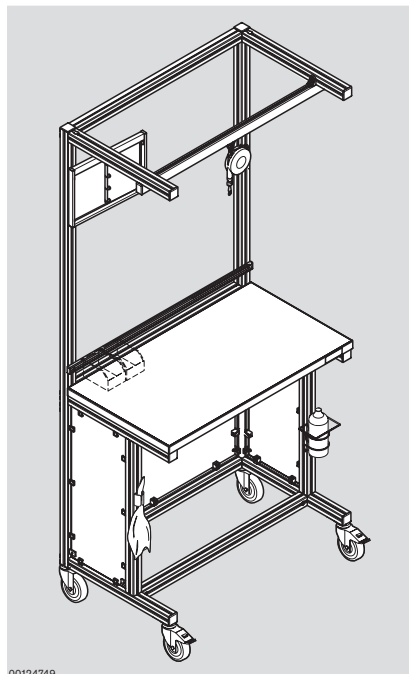
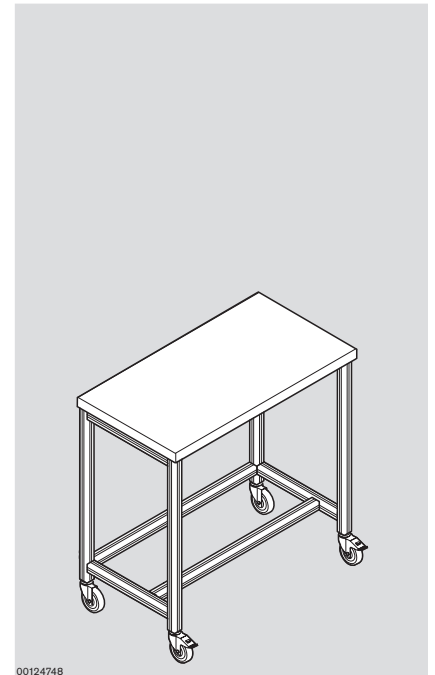
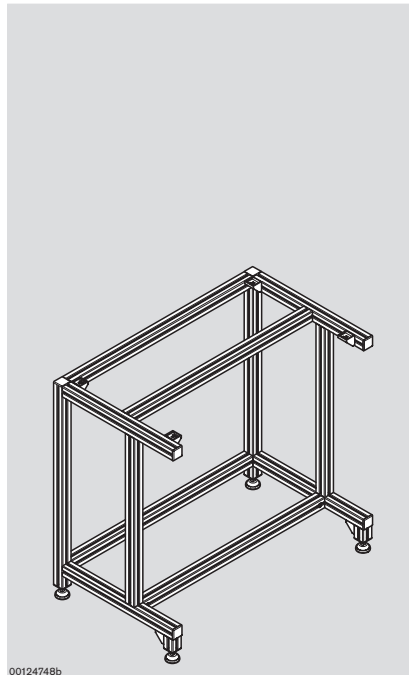
The workstation can be constructed from individual components or purchased as a complete and fully assembled system. You can easily configure customized products using the MPSCa/c software!



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Workstations

Here you can see a few examples of the many options for configuring workstations. With *MPScalc*, you can quickly and easily plan and order in accordance with your special needs: from a simple frame to a table with or without brackets, right up to a completely equipped workstation with material shelves, lighting, tool hangers, etc. You can find out about all the available parameters on the following pages and an order table is included on page 2-14.



Workstations

Custom workstations

Various things have to be taken into consideration before the planning phase, e.g. should the workstations be ESD-capable or which profile type is suitable for your application.

A A = ... (0, 1)

Version: The workstation can be ordered fully assembled (A=1) or as a pre-assembled kit with assembly instructions (A = 0).

ESD ESD = ... (0, 1)

Conductivity: If you select (ESD = 1), the entire workstation will be made ESD-conductive, i.e. you can only select the associated ESD variants for the following parameters:

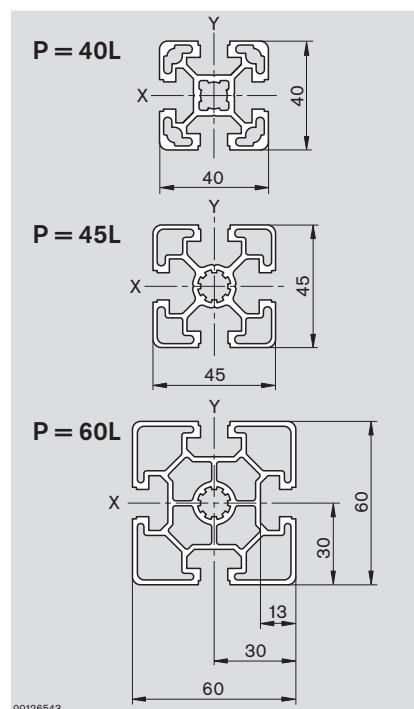
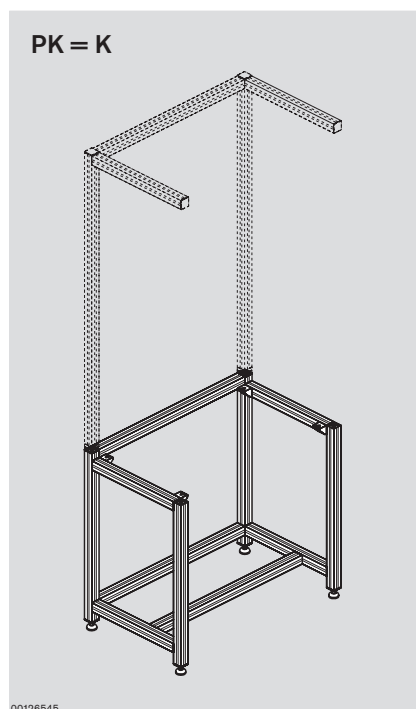
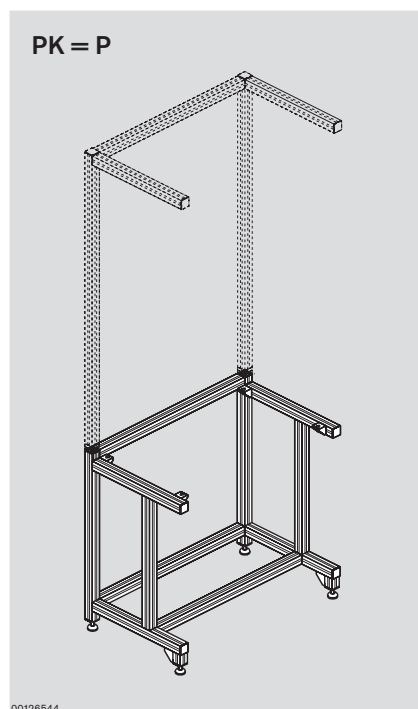
- ESD table top
 - ESD shelf material
 - ESD side panel
 - ESD hanger
 - ESD footrest
- You automatically receive:
- ESD casters
 - An ESD grounding kit
 - ESD damping rings

PK PK = ... (P, K)

Construction: The workstation is available in either desk type (PK = P) or box type (PK = K) construction.

P P = ... (40L, 45L, 60L)

Profile type: You can select between three profile types: 40L, 45L, and 60L.

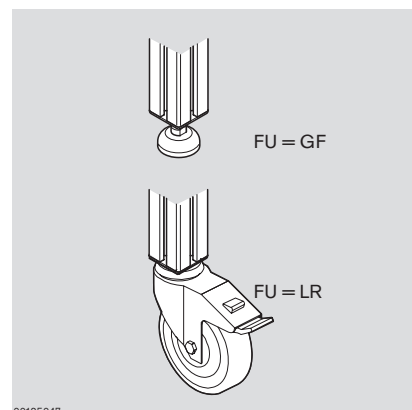
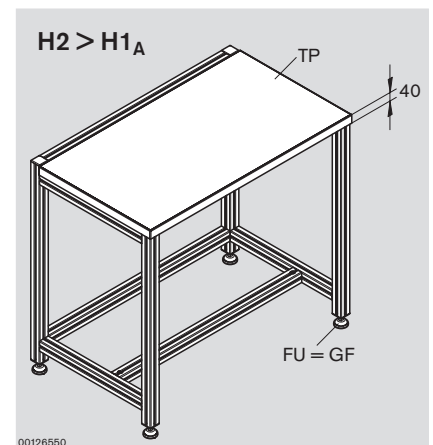
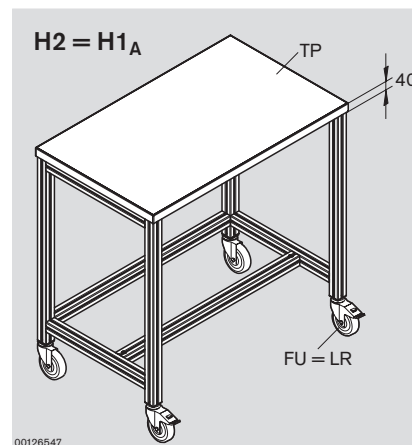


Workstations

Four types of table tops are available for use as work surfaces. The dimensions and position of the table top results from the dimensions selected for the workstation height, width, and depth (☞ 2-8).

Height-adjustable leveling feet make it possible to compensate for floor irregularities and casters can be used to create mobile workstations.

- TP** TP = ... (0, 1, 2, 3, 4)
 Table top type: The workstation can be equipped with one of the following table tops (☞ 2-22).
 (TP = 1) Economic
 (TP = 2) Basic
 (TP = 3) Economic ESD
 (TP = 4) Basic ESD
 (TP = 0) Without table top
 The table top protrudes 5 mm on the front and sides, as well as in the rear with $H_2 = H_{1A}$.
- FU** FU = ... (GF, LR)
 Foot version: The workstation is equipped with either a leveling foot (FU = GF) or casters (FU = LR).



Workstations

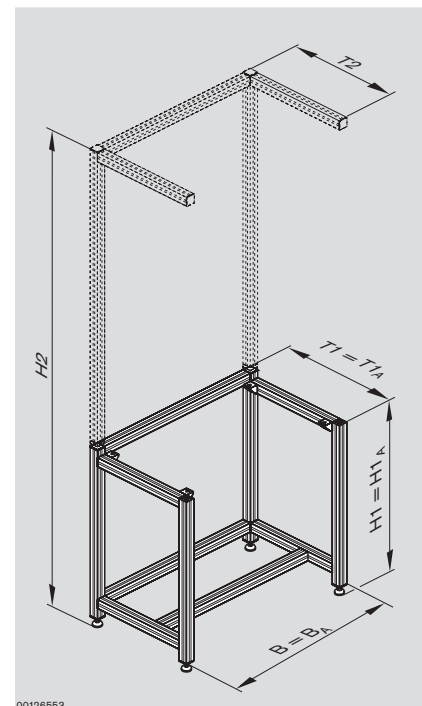
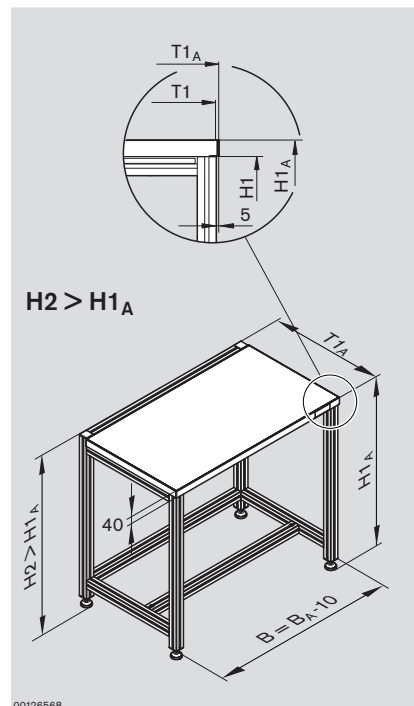
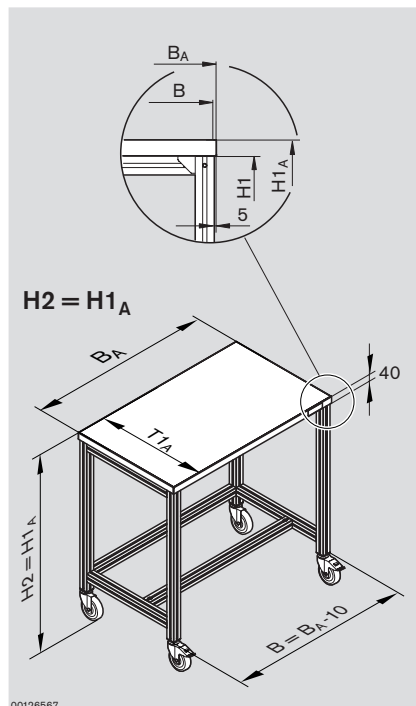
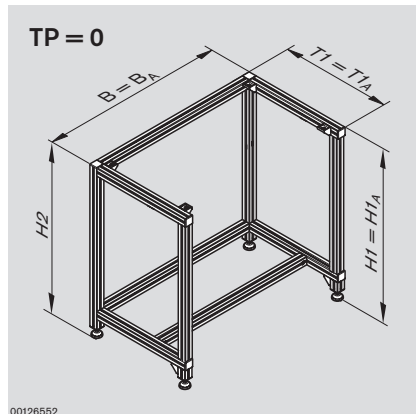
The dimensions indicated for the width, height, and depth always refer to the outer dimensions of the workstation. This results in differences for the table frame dimensions, depending on whether you have ordered a workstation with or without a table top.

B_A B_A = ... (410 – 2000) mm
 Workstation width (outer dimensions): In workstations without a table top (TP = 0), the width of the table frame is B = B_A. In workstations with a table top (TP ≠ 0), the width of the table frame is B = B_A - 10 mm. The table top protrudes 5 mm beyond the table frame on both sides.
 If you require a different table top projection, please order this separately (☞ 2-22).

H1_A H1_A = ... (410 – 1500) mm
 Work surface height: In workstations with a table top (TP ≠ 0), the height of the table frame is H1 = (H1_A - 40 mm).
 In workstations without a table top (TP = 0), the height of the table frame is H1 = H1_A.

H2 H2 = ... (410 – 2500) mm
 Total workstation height: If H2 = H1_A, the table top protrudes 5 mm beyond the table frame on all sides.
 If H2 > H1_A, the workstation has a rear cross strut as a table top stop.

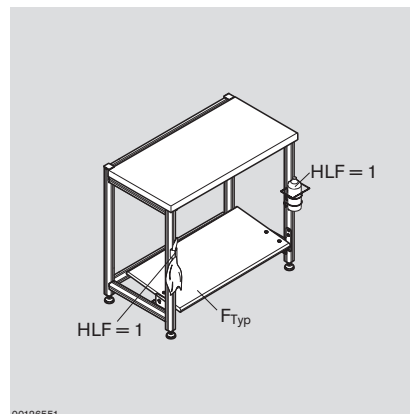
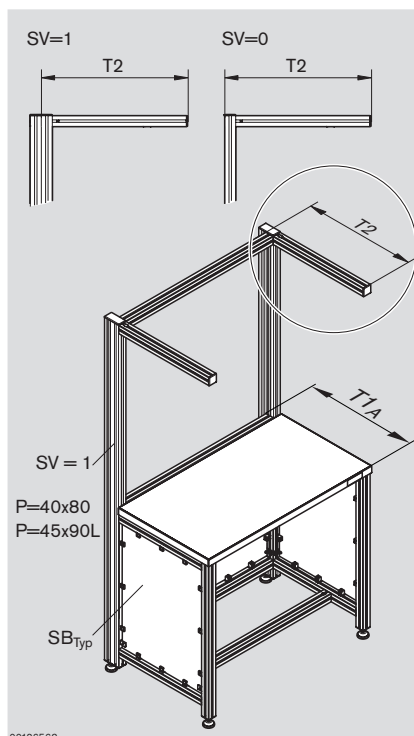
T1_A T1_A = ... (405 – 1000) mm
 Workstation depth: In workstations with a table top (TP ≠ 0) and H2 > H1_A, the table frame depth is T1 = T1_A - 5 mm. In workstations with a table top (TP ≠ 0) and H2 = H1_A, the table frame depth is T1 = T1_A - 10 mm. In workstations without a table top (TP = 0), T1 = T1_A.



Workstations

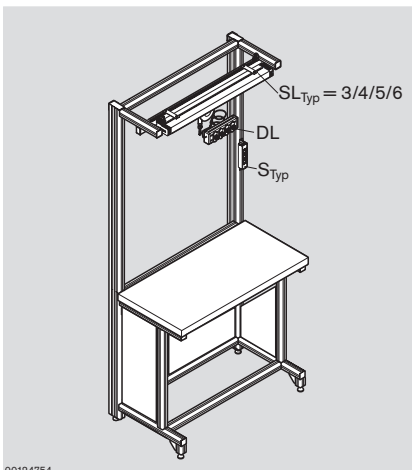
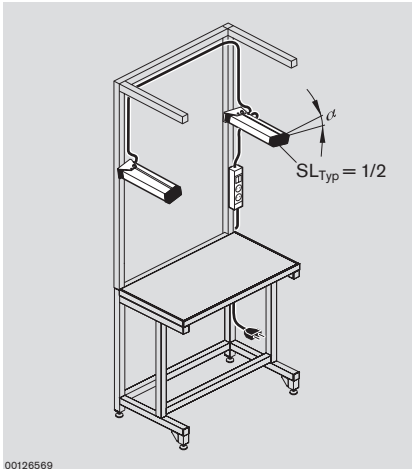
All workstations can be equipped with side panels and footrests, as well as cloth and bottle holders. We recommend designing the strut extension with a stronger profile for higher loads. The bracket can be used to e.g. mount lights or supply tools.

- T2** T2 = ... (0, 100 – 800) mm
Bracket depth:
(T2 = 100 – 800) workstation with bracket in stipulated length
(T2 = 0) workstation without bracket.
- SV** SV = ... (0, 1)
Reinforced strut extension: If (SV = 1), the rear H2 strut comes with a stronger profile (40x80, 45x90L) than that in the common table frame.
- SB_{Typ}** SB_{Typ} = (0, 1, 2, 3)
Side panel type: The workstation can be equipped with one of the following side panels (☞ 2-33).
(SB_{Typ} = 1) Side panels Economic
(SB_{Typ} = 2) Side panels Basic
(SB_{Typ} = 3) Side panels ESD
(SB_{Typ} = 0) Without side panel
- F_{Typ}** F_{Typ} = (0, 1, 2, 3)
Footrest: The workstation can be equipped with one of the following footrests.
(F_{Typ} = 1) Footrest Profil (☞ 2-34)
(F_{Typ} = 2) Footrest Economic (☞ 2-35)
(F_{Typ} = 3) Footrest Basic (☞ 2-36)
(F_{Typ} = 4) Footrest Economic ESD (☞ 2-35)
(F_{Typ} = 5) Footrest Basic ESD (☞ 2-36)
(F_{Typ} = 0) Without footrest
- HLF** HLF = ... (0, 1)
Cloth and bottle holder: If (HLF = 1), you will receive a cloth (☞ 2-83) and a bottle holder (☞ 2-82). If (HLF = 0), the workstation is supplied without a cloth and bottle holder. Cloth and bottle holders may only be selected if (ESD = 0).



Workstations

You can equip the workstations with socket strips, system lamps, and compressed air strips. Socket strips and system lamps are available in various country versions.



$SL_{Typ} = (0, 1, 2, 3, 4, 6, 7)$

System lamp: The workstation can be equipped with one of the following system lamps (☞ 2-42). A country version ($L \neq 0$) must be selected in principle. In addition, you need socket ($S_{Typ} = 2$). If ($L = 2$), then ($S_{Typ} = 3$). If using $SL_{Typ} = 3/4/6/7$ lamps, a suspension ($A_{Typ} \neq 0$) is required.

($SL_{Typ} = 1$) SL36 Duo (2 x SL36 mounted on the side of the workstation)

($SL_{Typ} = 2$) SL36el Duo (2 x SL36el mounted on the side of the workstation)

($SL_{Typ} = 3$) SL48el (SL48el with suspension $A_{Typ} \neq 0$ mounted on workstation)

($SL_{Typ} = 4$) SL72 (SL72 with suspension $A_{Typ} \neq 0$ mounted on workstation)

($SL_{Typ} = 6$) SL78el (SL78el with suspension $A_{Typ} \neq 0$ mounted on workstation)

($SL_{Typ} = 7$) SL72 Economic with suspension $A_{Typ} \neq 0$ mounted on workstation

($SL_{Typ} = 0$) Without system lamp

Connection cables are included in scope of delivery.

$S_{Typ} = (0, 1, 2, 3, 4)$

Socket strip: The workstation can be equipped with one of the following socket strips (☞ 2-48). A country version ($L \neq 0$) must be selected in principle.

($S_{Typ} = 1$) 3 sockets (not for $L = 2$)

($S_{Typ} = 2$) 2 sockets, switchable outlet (not for $L = 2$)

($S_{Typ} = 3$) 3 sockets, switchable outlet, current-limiting CTT-breaker
(only for $L = 2$)

($S_{Typ} = 4$) 2 sockets, switchable outlet and socket
(only for $L = 1/3$)

($S_{Typ} = 0$) Without socket strip

$L = \dots (0, 1, 2, 3, 4)$

Country version: If the parameters SL_{Typ} or S_{Typ} have been selected, you must select a country version.

($L = 1$) Germany, for ($SL_{Typ} = 1$ to 6), ($S_{Typ} = 1, 2, 4$)

($L = 2$) France, for ($SL_{Typ} = 1$ to 6), ($S_{Typ} = 3$)

($L = 3$) Great Britain, for ($SL_{Typ} = 1$ to 6), ($S_{Typ} = 1, 2, 4$)

($L = 4$) Switzerland, for ($SL_{Typ} = 1$ to 6), ($S_{Typ} = 2$)

($L = 5$) USA/CDN, for ($SL_{Typ} = 2, 3, 6$), ($S_{Typ} = 1, 2$)

($L = 0$) No country version with ($SL_{Typ} = 0$) and ($S_{Typ} = 0$)

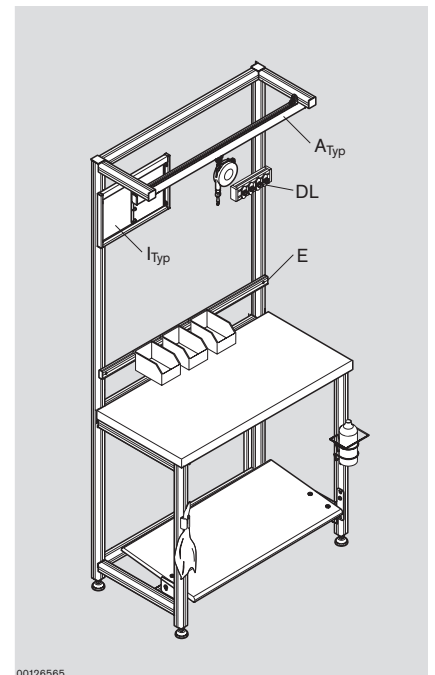
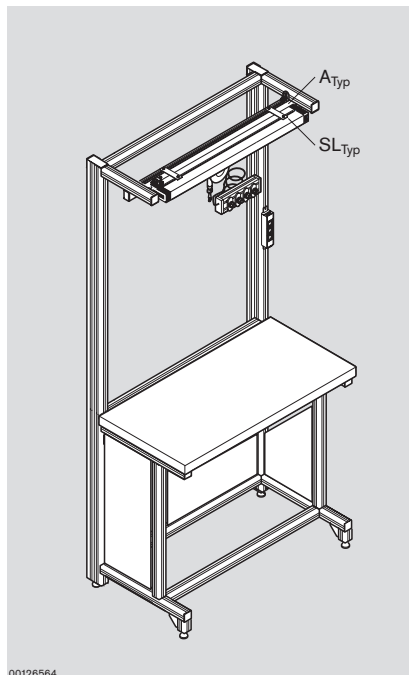
$DL = \dots (0, 1)$

Compressed air: The workstation can be equipped with a compressed air strip with 4 connections ($DL = 1$) or without a compressed air strip ($DL = 0$).

Workstations

Suitable accessories make it possible to supply grab containers, tools, and information at the workstation.

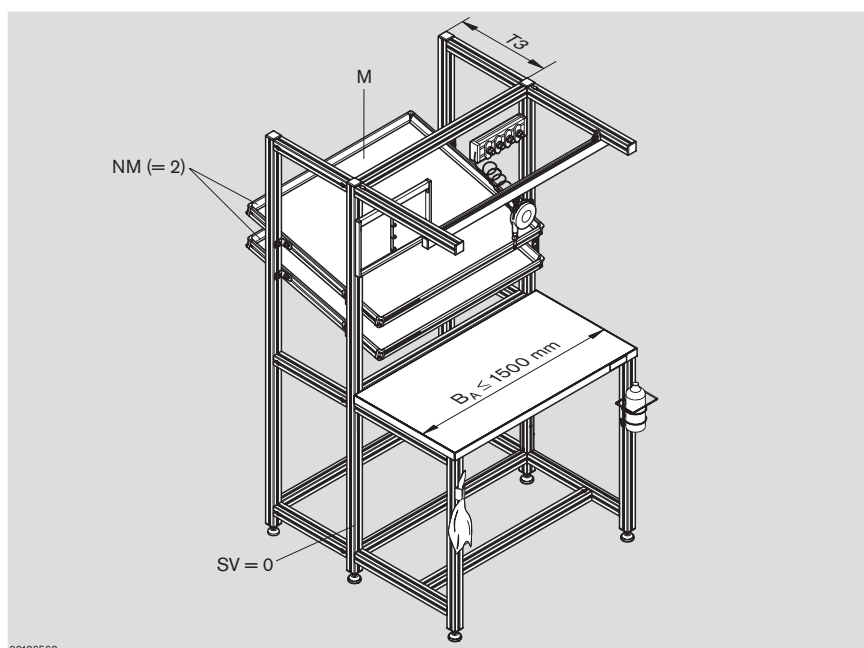
- E** E = ... (0, 1)
Suspension profile: The workstation can be equipped with a suspension profile (E = 1) to suspend grab containers.
(E = 0) Without suspension profile
- A_{Typ}** A_{Typ} = ... (0, 1, 2, 3, 4, 5, 6)
Suspension type: A workstation with a bracket (T2 ≠ 0) can be equipped with one of the following suspension types (☞ 2-68).
(A_{Typ} = 1) C-rail
(A_{Typ} = 2) C-rail with trolley
(A_{Typ} = 3) C-rail with trolley and spring pull **3 842 520 053**
(A_{Typ} = 4) C-rail with trolley and spring pull **3 842 520 054**
(A_{Typ} = 5) C-rail with trolley and spring pull **3 842 520 055**
(A_{Typ} = 6) C-rail with trolley and spring pull **3 842 520 056**
(A_{Typ} = 0) Without suspension.
- I_{Typ}** I_{Typ} = ... (0, 1, 2, 3, 5, 6, 7, 8)
Information board: The workstation can be equipped with one of the following information boards.
(I_{Typ} = 1) A4 (☞ 2-56)
(I_{Typ} = 2) 2 x A4, EU (☞ 2-56)
(I_{Typ} = 3) 2 x A4 ESD, EU (☞ 2-56)
(I_{Typ} = 5) 2 x A4 plus (☞ 2-56)
(I_{Typ} = 6) ISO EU (☞ 2-58)
(I_{Typ} = 7) ISO USA (☞ 2-58)
(I_{Typ} = 8) 2 x A4 ESD, USA (☞ 2-57)
(I_{Typ} = 0) Without information board



Workstations

An accessory upright permits, for example, installation of material shelves for parts supply at the workstation.

- T3** T3 = ... (0, 200 – 800) mm
 Accessory upright depth: The accessory upright may only be selected for workstations with a width of $B_A \leq 1500$ mm (☞ 2-8). Observe the notes on depth T_E and width B_E for the material shelves (☞ 2-13).
 (T3 = 0) Workstation without accessory upright
- NM** NM = ... (0 – 4)
 Number of material shelves: Workstations with an accessory upright (T3 ≠ 0) can be equipped with a maximum of four material shelves (☞ 2-13). If a suspension profile (☞ 2-11) has been selected (E= 1), a maximum of three material shelves (NM = 3) may be used.
 (NM = 0) Workstation without material shelves



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Workstations

- M

M = ... (1, 2, 3)

Material of material shelves: the following materials are available for the interior surfaces of the material shelves.

(M = 1) Aluminum

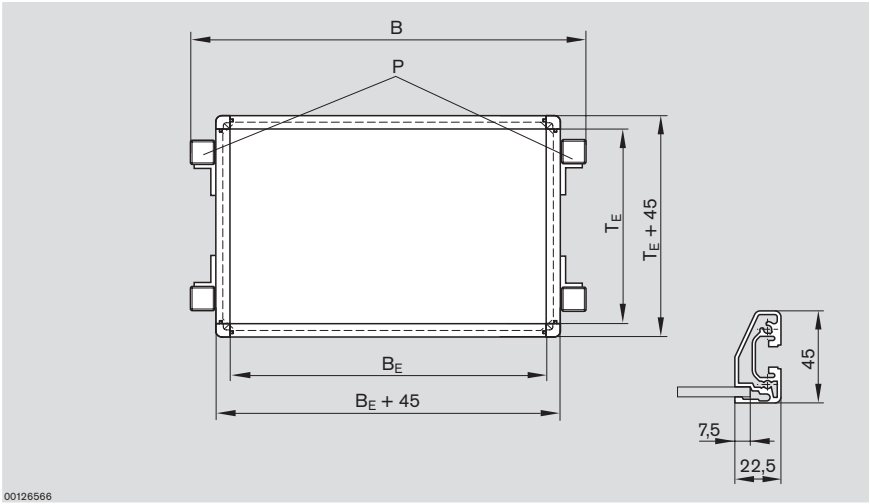
(M = 2) Polypropylene (PP)

(M = 3) ESD (SB)
- T_E

T_E = ... (410 – 1220) mm

Depth of material shelves (inner dimensions): Projection of the material shelf to the rear should be minimal, e.g. T_E = 1200 mm, T3 = 800 mm.

M	B _E [mm]	T _E [mm]
1	410 ≤ B _E ≤ 1500	410 ≤ T _E ≤ 1220
2	410 ≤ B _E ≤ 1100	410 ≤ T _E ≤ 1000
3	410 ≤ B _E ≤ 1100	410 ≤ T _E ≤ 1000



Workstations

Custom workstations



You can easily configure a custom workstation using the MPScalc software.

Custom workstations

Material no.

3 842 998 110

Ordering parameters for 3 842 998 110

A	Version	(🔗 2-6)	= ...	(0, 1)
ESD	Conductivity	(🔗 2-6)	= ...	(0, 1)
PK	Construction	(🔗 2-6)	= ...	(P, K)
P	Profile type	(🔗 2-6)	= ...	(40L, 45L, 60L)
FU	Foot version	(🔗 2-7)	= ...	(GF, LR)
B _A	Workstation width (outer dimensions)	(🔗 2-8)	= ...	(410 – 2000) mm
H1 _A	Workstation height	(🔗 2-8)	= ...	(410 – 1500) mm
H2	Total workstation height	(🔗 2-8)	= ...	(410 – 2500) mm
T1 _A	Workstation depth	(🔗 2-8)	= ...	(405 – 1000) mm
T2	Bracket depth	(🔗 2-9)	= ...	(0, 100 – 800) mm
TP	Table top type	(🔗 2-7)	= ...	(0, 1, 2, 3, 4)
SB _{Typ}	Side panel type	(🔗 2-9)	= ...	(0, 1, 2, 3)
T3	Accessory upright depth	(🔗 2-12)	= ...	(0, 200 – 800) mm
NM	Number of material shelves	(🔗 2-12)	= ...	(0 – 4)
M	Material of material shelves	(🔗 2-13)	= ...	(0, 1, 2, 3)
T _E	Depth of material shelves (inner dimensions)	(🔗 2-13)	= ...	(410 – 1220) mm
SV	Reinforced strut extension	(🔗 2-9)	= ...	(0, 1)
E	Suspension profile	(🔗 2-11)	= ...	(0, 1)
A _{Typ}	Suspension type	(🔗 2-11)	= ...	(0, 1, 2, 3, 4, 5, 6)
L	Country version	(🔗 2-10)	= ...	(0, 1, 2, 3, 4, 5)
SL _{Typ}	System lamp	(🔗 2-10)	= ...	(0, 1, 2, 3, 4, 6, 7)
S _{Typ}	Socket strip	(🔗 2-10)	= ...	(0, 1, 2, 3, 4)
DL	Compressed air	(🔗 2-10)	= ...	(0, 1)
I _{Typ}	Information board	(🔗 2-11)	= ...	(0, 1, 2, 3, 4, 5, 6, 7)
F _{Typ}	Footrest	(🔗 2-9)	= ...	(0, 1, 2, 3, 4, 5)
HLF	Cloth and bottle holder	(🔗 2-9)	= ...	(0, 1)

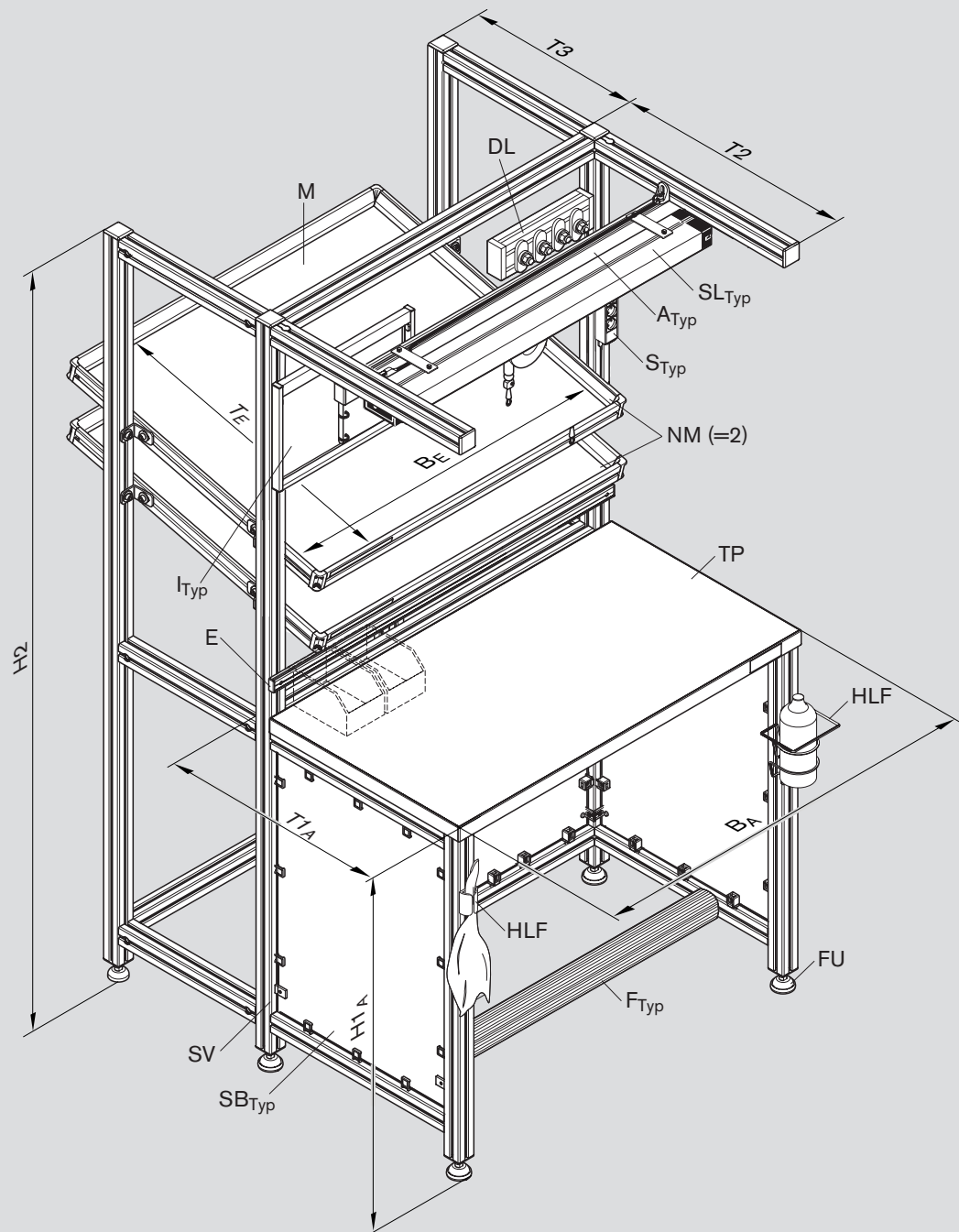


Your order will be checked for feasibility and adapted, if necessary.
Check your order confirmation.

Workstations

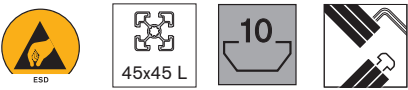


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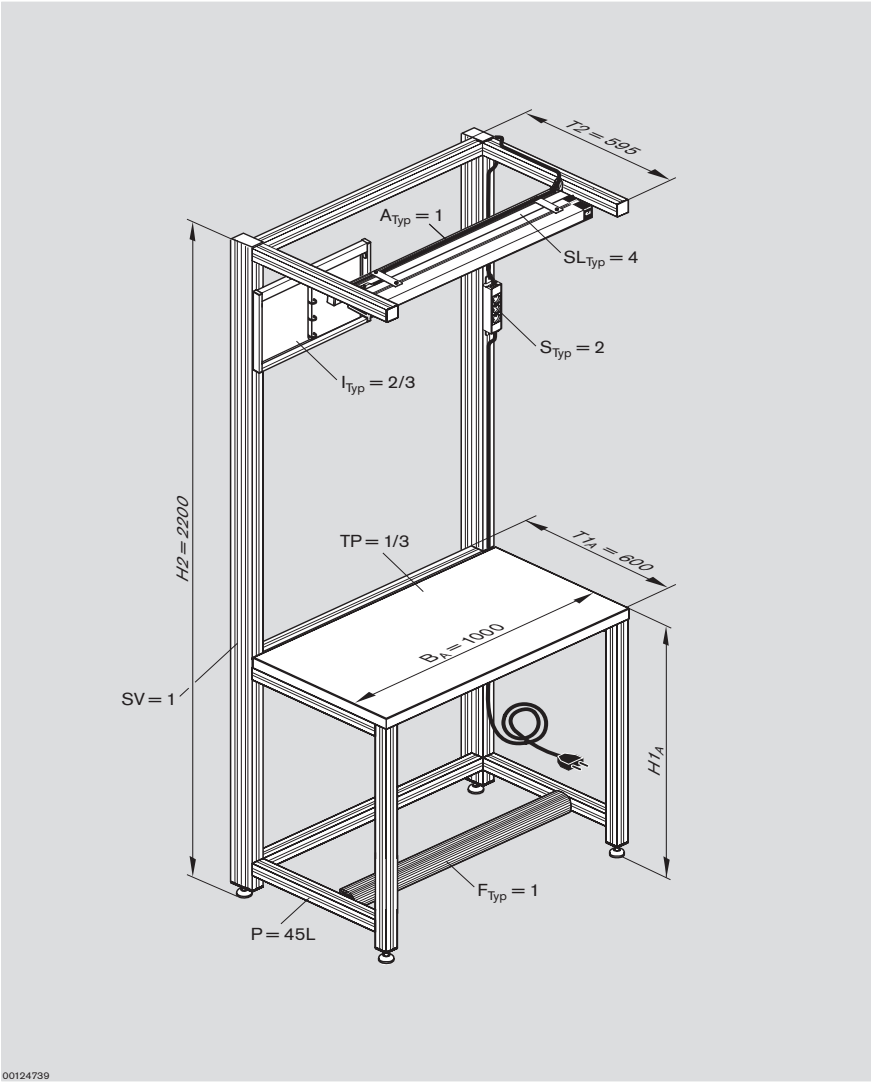
Standard workstations



The equipment features in our standard workstations fulfill the many demands arising from a wide range of assembly tasks. Equipment can be expanded as desired thanks to a comprehensive range of accessories.

Standard workstation Box type construction

- Scope of delivery:
- table frame in various heights made of profile 45x45L (P = 45L) with leveling feet
 - Economic (TP = 1) or Economic ESD (TP = 3) table top
 - reinforced strut extension (SV = 1)
 - system lamp SL72 (SL_{Typ} = 4), as well as a socket strip with two sockets and switchable outlet (S_{Typ} = 2); country version: Germany (L = 1)
 - info board: 2 x DIN A 4, normal (I_{Typ} = 2) or in ESD version (I_{Typ} = 3)
 - footrest profile (F_{Typ} = 1)
- Accessories: side panels (☞ 2-33), accessory upright (☞ 2-18), material shelves (☞ 2-24).



Workstation in box type construction

B _A [mm]	H _{1A} [mm]	H ₂ [mm]	T _{1A} [mm]	T ₂ [mm]	P	A _{Typ}	TP	SV	I _{Typ}	L	SL _{Typ}	S _{Typ}	F _{Typ}	ESD	Material no.
1000	900	2200	600	595	45L	1	1	1	2	1	4	2	1		3 842 538 570
1000	1000	2200	600	595	45L	1	1	1	2	1	4	2	1		3 842 538 571
1000	900	2200	600	595	45L	1	3	1	3	1	4	2	1	⚡	3 842 538 572
1000	1000	2200	600	595	45L	1	3	1	3	1	4	2	1	⚡	3 842 538 573

Workstations

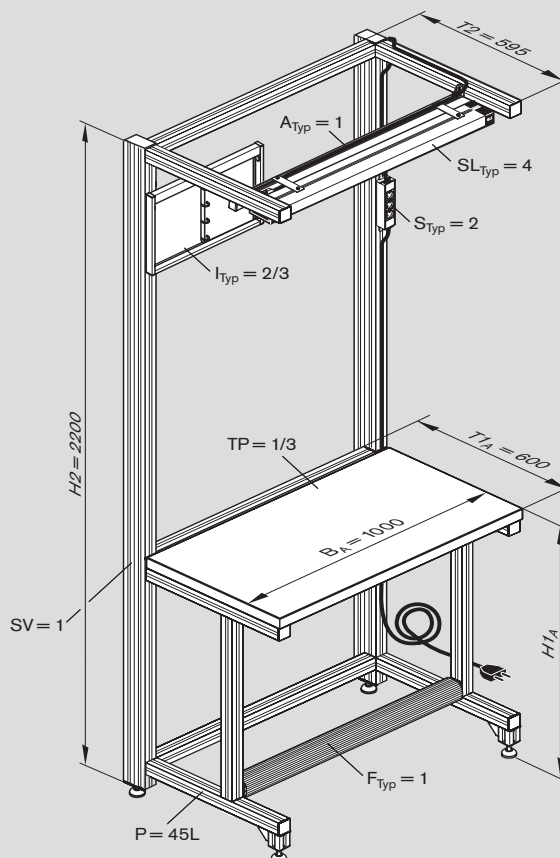


Standard workstation Desk type construction

Scope of delivery:

- table frame in various heights made of profile 45x45L (P = 45L) with leveling feet
- Economic (TP = 1) or Economic ESD (TP = 3) table top
- reinforced strut extension (SV = 1)
- system lamp SL72 (SL_{Typ} = 4), as well as a socket strip with two sockets and switchable outlet (S_{type} = 2); country version: Germany (L = 1)
- info board: 2 x DIN A 4, normal (I_{Typ} = 2) or in ESD version (I_{Typ} = 3)
- footrest profile (F_{Typ} = 1)

Accessories: side panels (☞ 2-33), accessory upright (☞ 2-18), material shelves (☞ 2-24).



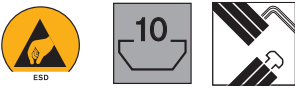
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Desk type construction workstation

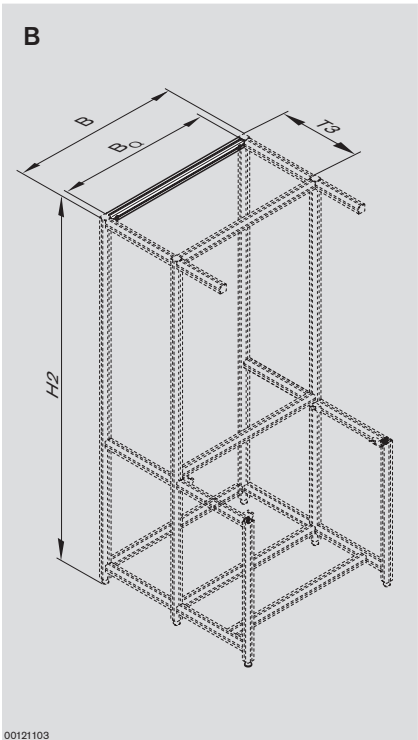
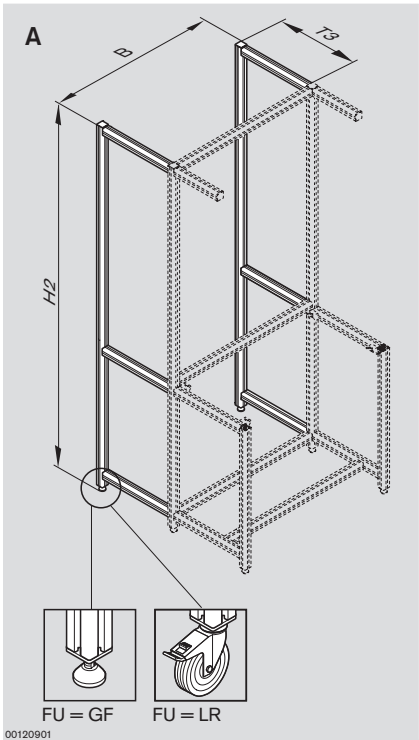
B _A [mm]	H1 _A [mm]	H2 [mm]	T1 _A [mm]	T2 [mm]	P	A _{Typ}	TP	SV	I _{Typ}	L	SL _{Typ}	S _{Typ}	F _{Typ}	ESD	Material no.
1000	900	2200	600	595	45L	1	1	1	2	1	4	2	1		3 842 538 574
1000	1000	2200	600	595	45L	1	1	1	2	1	4	2	1		3 842 538 575
1000	900	2200	600	595	45L	1	3	1	3	1	4	2	1	⚡	3 842 538 576
1000	1000	2200	600	595	45L	1	3	1	3	1	4	2	1	⚡	3 842 538 577

Workstations

Custom accessory uprights



The flexible Rexroth accessory upright **(A)** holds elements for material supply and container recirculation at the workstation. The cross strut **(B)** provides additional stability, if necessary.



Custom accessory upright

	Material no.
A	3 842 998 154

Ordering parameters for 3 842 998 154

- P Profile type _____ = ... (40L, 45L, 60L)
ESD (0=no, 1=yes) _____ = ... (0, 1)
FU Leveling foot (GF), caster (LR) _____ = ... (GF, LR)
H2 Rear strut height _____ = ... (300–2500) mm
T3 Accessory upright depth _____ = ... (0, 200–800) mm

Cross strut

	Material no.
B	3 842 998 165

Ordering parameters for 3 842 998 165

- P Profile type _____ = ... (40L, 45L, 60L)
B0 Cross strut width _____ = ... (280–2000) mm

Workstations

Standard table frames

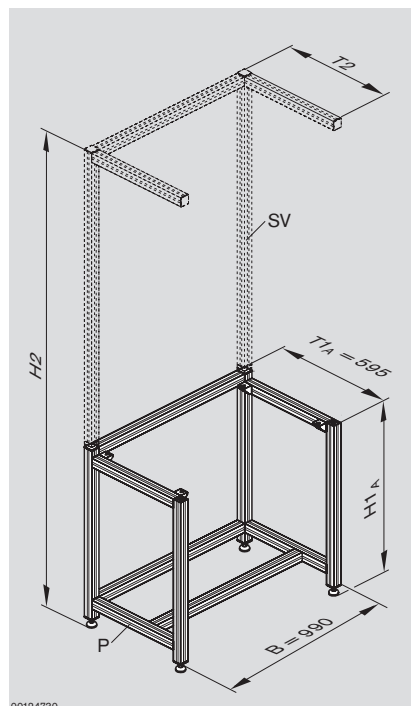


The equipment features in our standard table frames fulfill the many demands arising from a wide range of assembly tasks. Equipment can be expanded as desired thanks to a comprehensive range of accessories.

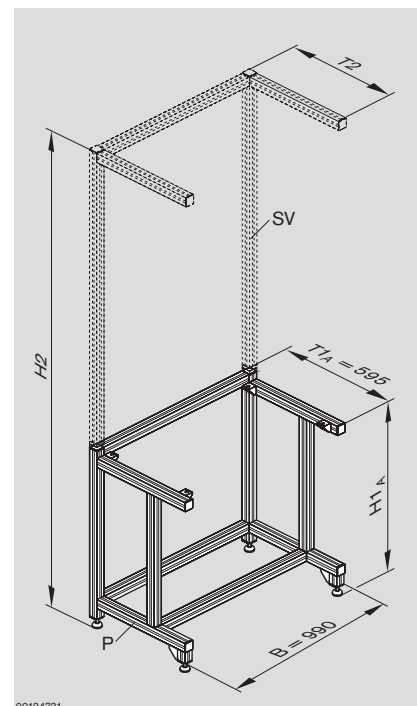
Scope of delivery: pre-assembled table frame

Accessories: table tops (☞ 2-23), side panels (☞ 2-33)

Box type construction



Desk type construction



Box type construction

B	H1 _A	T1 _A	SV	P	H2	T2	Material no.
[mm]	[mm]	[mm]			[mm]	[mm]	
990	860	595	0	45L	900	0	3 842 537 251
990	960	595	0	45L	1000	0	3 842 537 252
990	860	595	0	45L	2200	595	3 842 537 255
990	960	595	0	45L	2200	595	3 842 537 256
990	860	595	1	45L	2200	595	3 842 537 259
990	960	595	1	45L	2200	595	3 842 537 260

Desk type construction

B	H1 _A	T1 _A	SV	P	H2	T2	Material no.
[mm]	[mm]	[mm]			[mm]	[mm]	
990	860	595	0	45L	900	0	3 842 537 249
990	960	595	0	45L	1000	0	3 842 537 250
990	860	595	0	45L	2200	595	3 842 537 253
990	960	595	0	45L	2200	595	3 842 537 254
990	860	595	1	45L	2200	595	3 842 537 257
990	960	595	1	45L	2200	595	3 842 537 258

Workstations

Electrically height-adjustable workstation



You can create ergonomically ideal working conditions by using an electrically height-adjustable workstation. Your employees can smoothly and easily adapt the workstation to their physical dimensions.

By easily changing between standing and sitting positions, your employees avoid uneven stresses and premature fatigue.

The electrically height-adjustable workstations offer particularly simple and smooth adjustment of working heights.

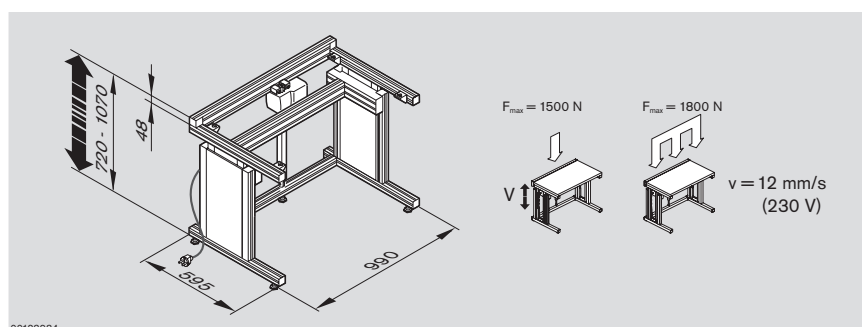
Scope of delivery: partially assembled table frame

Required accessories: hand switch

Accessories: table tops (☞ 2-23), components for ESD applications (☞ 2-86).



00121468



00123934

Electrically height-adjustable table frame

Material no.**3 842 512 990**

00121034

Hand switch for height adjustment

Material no.**3 842 512 992**

(☞ 6-2)

Workstations

Standard strut extensions

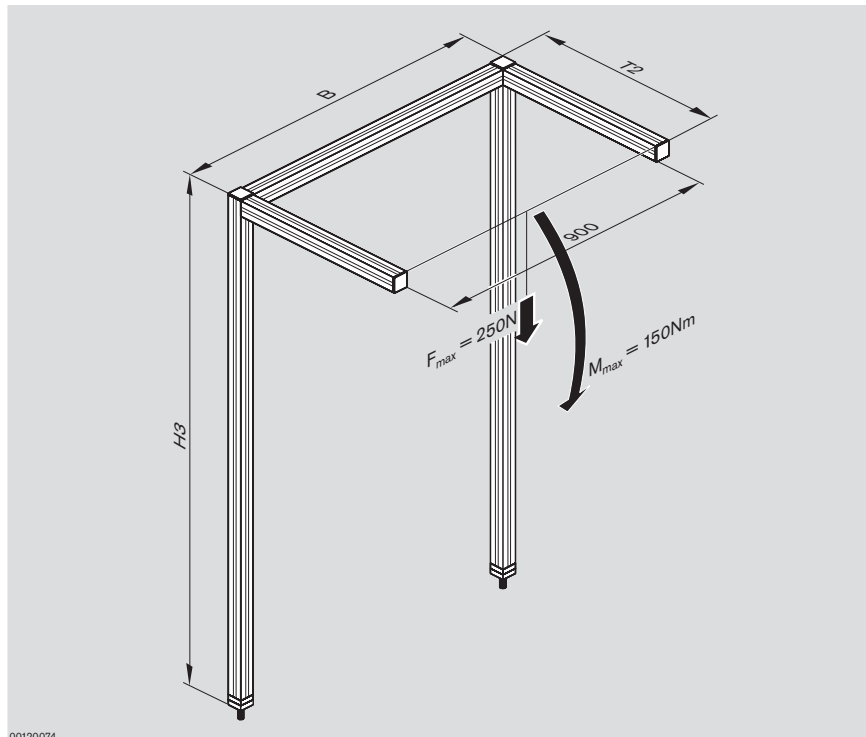


The strut extension for subsequent installation on all Rexroth workstations with profile 45x45L and a table frame width of $B = 990$ mm is mounted onto the table frame via the end connector. It is suitable for the construction of workstations used to assemble ESD-sensitive components.

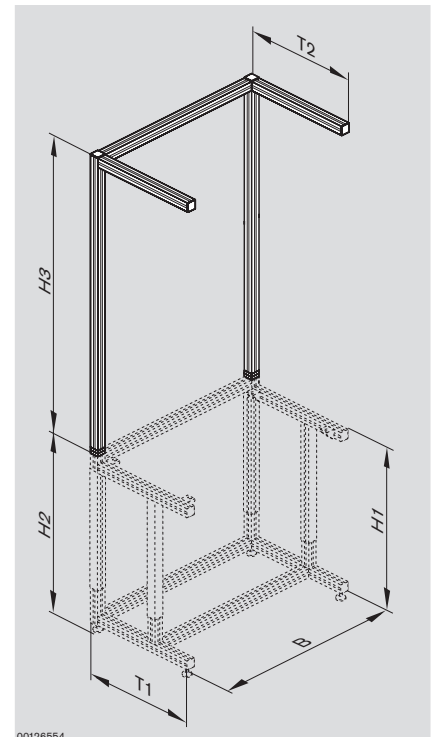
Scope of delivery: partially assembled strut extension



00127284



00120074



00126554

Standard strut extension

H3	B	T2	Material no.
[mm]	[mm]	[mm]	
1200	990	595	3 842 519 530
1500	990	595	3 842 191 180



Workstations

Custom table tops



Sturdy table tops from Rexroth are the ideal work surface for your assembly tasks. Four types are available:

Economic: Suitable for use with normal mechanical strain on the table top surface.

Material: coated chipboard, layer thickness 0.1 mm

Basic: Suitable for use with high mechanical strain on the table top surface.

Material: coated chipboard, layer thickness 0.8 mm

Economic ESD ⚡: Suitable for use with normal mechanical strain on the table top surface.

Material: coated chipboard with volume conductive material, layer thickness 0.1 mm.
Specific resistance $R_v = 1 \times 10^5 - 1 \times 10^7 \Omega$
(DIN EN 61 340-5-1)

Basic ESD ⚡: Suitable for use with high mechanical strain on the table top surface.

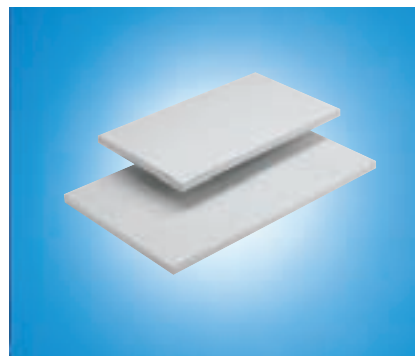
Material: coated chipboard with volume conductive material, layer thickness 0.8 mm.
Specific resistance $R_v = 1 \times 10^5 - 1 \times 10^7 \Omega$
(DIN EN 61 340-5-1)

Color (for all table tops): light gray RAL 7035
Edging material (for all table tops): ABS
Scope of delivery (for all table tops): incl. fastening kit

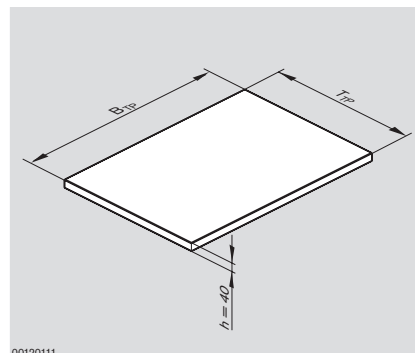
You can easily configure customized products using the MPScalc software!

Custom table tops

Material no.
3 842 998 250



00121470



00120111

Ordering parameters for 3 842 998 250

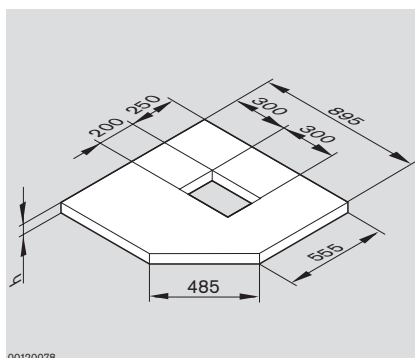
TP_{TP} Table top (1 = Economic, 2 = Basic, _____ = ... (1, 2, 3, 4)
3 = Economic ESD ⚡, 4 = Basic ESD ⚡)

B_{TP} Table top width _____ = ... (400–2700) mm

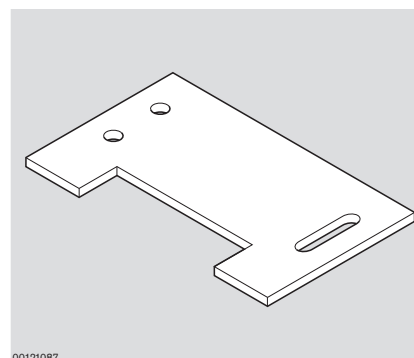
T_{TP} Table top depth _____ = ... (300–2000) mm

You can also obtain Rexroth table top variants customized to your demands, e.g.:

- Table tops with holes
 - Table tops with cut-outs (milled)
 - Table tops with notches (allocated or not allocated)
 - Gap-free tops (connection via plate connectors)
 - Individual table top strengths (h)
- Include a sketch with the table top dimensions and required processing with your query.



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00121087

Examples of custom table tops

E-Mail: mps.rexroth@boschrexroth.de
Tel.: +49 (0)711/811-30698
Fax: +49 (0)711/811-30364

Workstations

Standard table tops



Sturdy table tops from Rexroth are the ideal work surface for your assembly tasks. Four types are available:

Economic: Suitable for use with normal mechanical strain on the table top surface.

Material: coated chipboard, layer thickness 0.1 mm

Basic: Suitable for use with high mechanical strain on the table top surface.

Material: coated chipboard, layer thickness 0.8 mm

Economic ESD ⚡: Suitable for use with normal mechanical strain on the table top surface.

Material: coated chipboard with volume conductive material, layer thickness 0.1 mm.

Specific resistance $R_v = 1 \times 10^5 - 1 \times 10^7 \Omega$ (DIN EN 61 340-5-1)

Basic ESD ⚡: Suitable for use with high mechanical strain on the table top surface.

Material: coated chipboard with volume conductive material, layer thickness 0.8 mm.

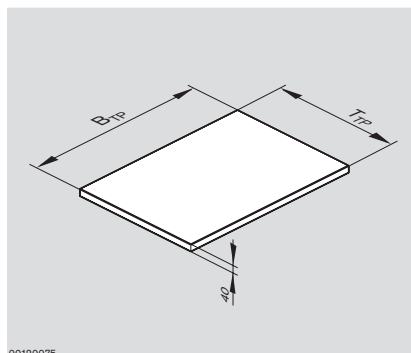
Specific resistance $R_v = 1 \times 10^5 - 1 \times 10^7 \Omega$ (DIN EN 61 340-5-1)

Corner table tops are suitable to e.g. construct EcoFlow curves (☞ 4-14)

Color (for all table tops): light gray RAL 7035

Edging material (for all table tops): ABS

Scope of delivery (for all table tops):
incl. fastening kit



Economic

TP _{Typ}	B _{TP} [mm]	T _{TP} [mm]	Material no.
1	1000	555	3 842 535 470
1	1200	555	3 842 535 471
1	1400	555	3 842 535 472
1	1000	705	3 842 535 473
1	1200	705	3 842 535 474
1	1400	705	3 842 535 475

Economic ESD

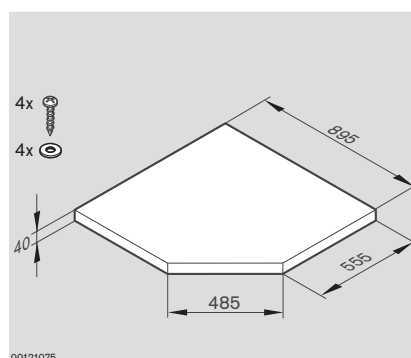
TP _{Typ}	B _{TP} [mm]	T _{TP} [mm]	Material no.
3	1000	555	⚡ 3 842 535 476
3	1200	555	⚡ 3 842 535 477
3	1400	555	⚡ 3 842 535 478
3	1000	705	⚡ 3 842 535 479
3	1200	705	⚡ 3 842 535 480
3	1400	705	⚡ 3 842 535 481

Basic

TP _{Typ}	B _{TP} [mm]	T _{TP} [mm]	Material no.
2	1000	555	3 842 535 489
2	1200	555	3 842 535 490
2	1400	555	3 842 535 491

Basic ESD

TP _{Typ}	B _{TP} [mm]	T _{TP} [mm]	Material no.
4	1000	555	⚡ 3 842 535 482
4	1200	555	⚡ 3 842 535 483
4	1400	555	⚡ 3 842 535 484



Corner table top Economic

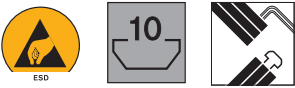
Material no.
3 842 521 675

Corner table top Basic ESD

Material no.
⚡ 3 842 537 247

Workstations

Custom material shelves Basic

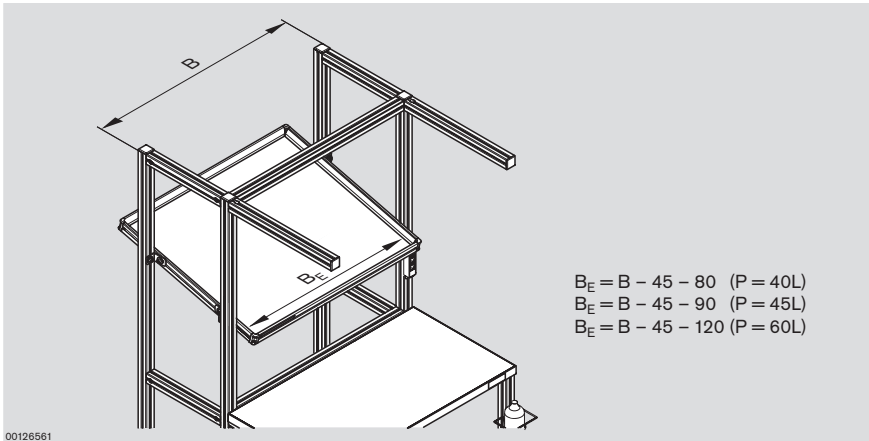


Material shelves for ergonomic accessibility of containers (kanban), materials, measuring instruments and other aids at Rexroth workstations.

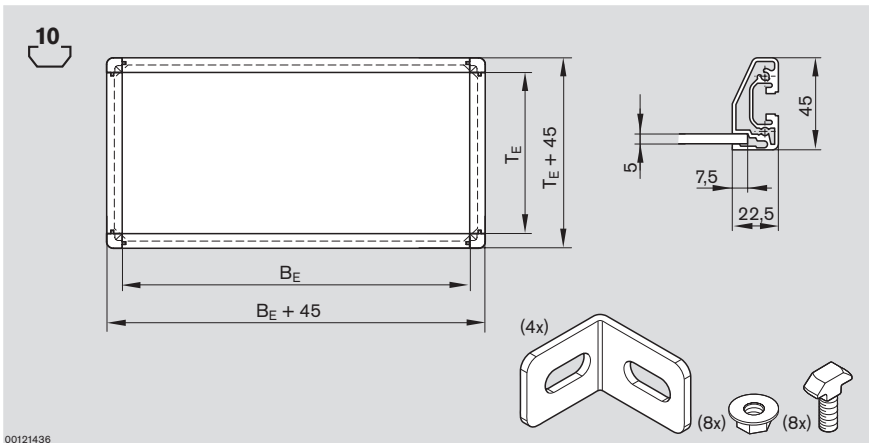
Scope of delivery: incl. fastening kit
Accessories: lettering clips (☞ 2-27)



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Custom material shelf Basic

Surface element	Material no.
PP	3 842 998 183
ESD (SB)	3 842 998 184

Ordering parameters for 3 842 998 183, ... 184

B_E	Material shelf width	_____	= ... (200–1000) mm
T_E	Material shelf depth	_____	= ... (310–1000) mm

Custom material shelf Basic

Surface element	Material no.
Alu	3 842 998 155

Ordering parameters for 3 842 998 155

B_E	Material shelf width	_____	= ... (200–1480) mm
T_E	Material shelf depth	_____	= ... (310–1220) mm

Workstations

Standard material shelves



Material shelf for ergonomic accessibility of containers (kanban), materials, measuring instruments and other aids at Rexroth workstations.

Fixed or swivelling material shelf can be fastened to the workstation strut extension.

The ESD version is suitable for the construction of workstations used to assemble ESD-sensitive components.

Scope of delivery: incl. fastening kit

Surface material: PP, ESD (SB)

Accessories: lettering clips (☞ 2-27)



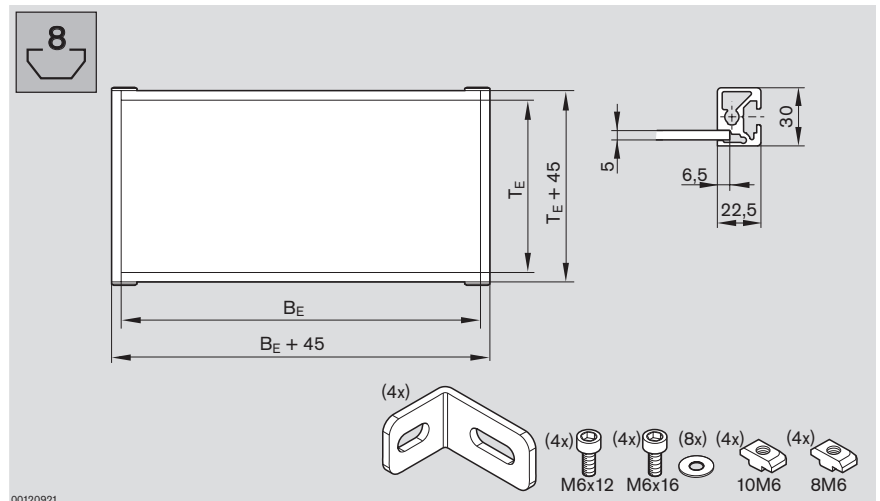
00121473



00126510

Material shelf Economic

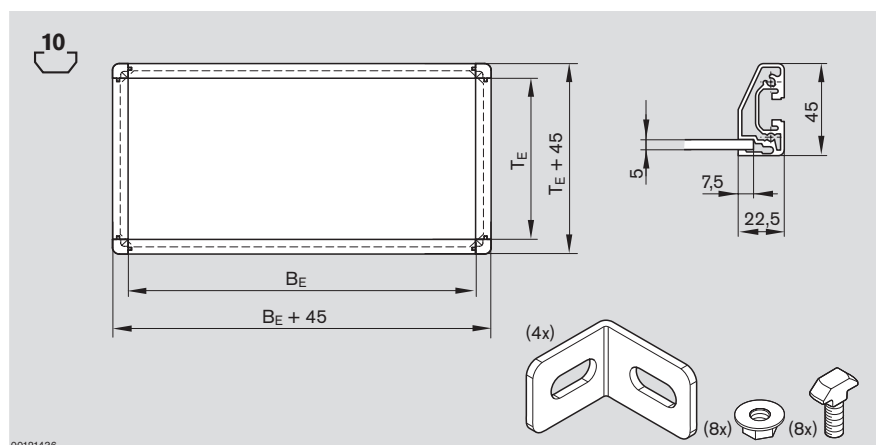
B_E [mm]	T_E [mm]	Material no.
610	410	3 842 538 456
855	410	3 842 538 457
610	410	⚠ 3 842 538 458
855	410	⚠ 3 842 538 459



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Material shelf Basic

B_E [mm]	T_E [mm]	Material no.
610	410	3 842 538 460
610	410	⚠ 3 842 538 461



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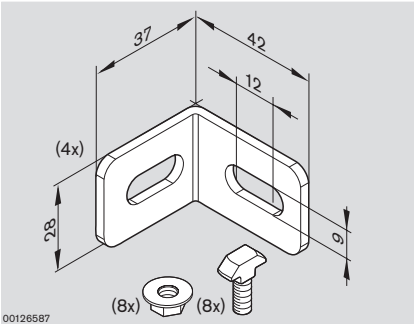
(☞ 6-3)

Workstations

Material shelf accessories

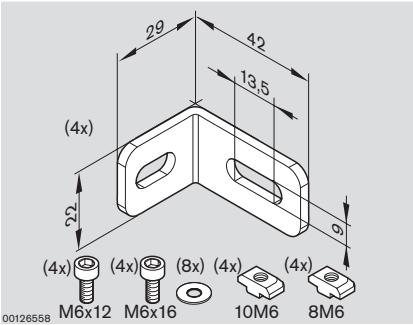
Bracket sets for simple mounting of material shelves on profiles.

Scope of delivery: incl. fastening kit



Bracket set M8, P60 - P40

	Material no.
Set	3 842 537 861

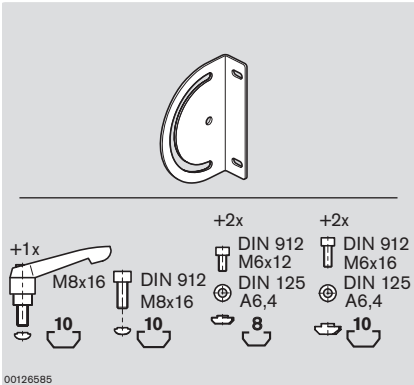


Bracket set M6, P60 - P30

	Material no.
Set	3 842 537 862

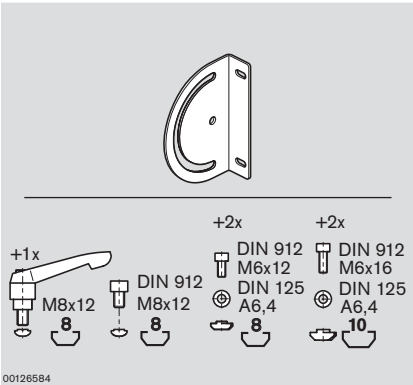
Swivel fastening for material shelves that have to be set at 90°.

Scope of delivery: incl. fastening kit



Swivel fastening 180°, 10 mm groove

	Material no.
Set	3 842 538 276



Swivel fastening 180°, 8 mm groove

	Material no.
Set	3 842 538 275


Workstations

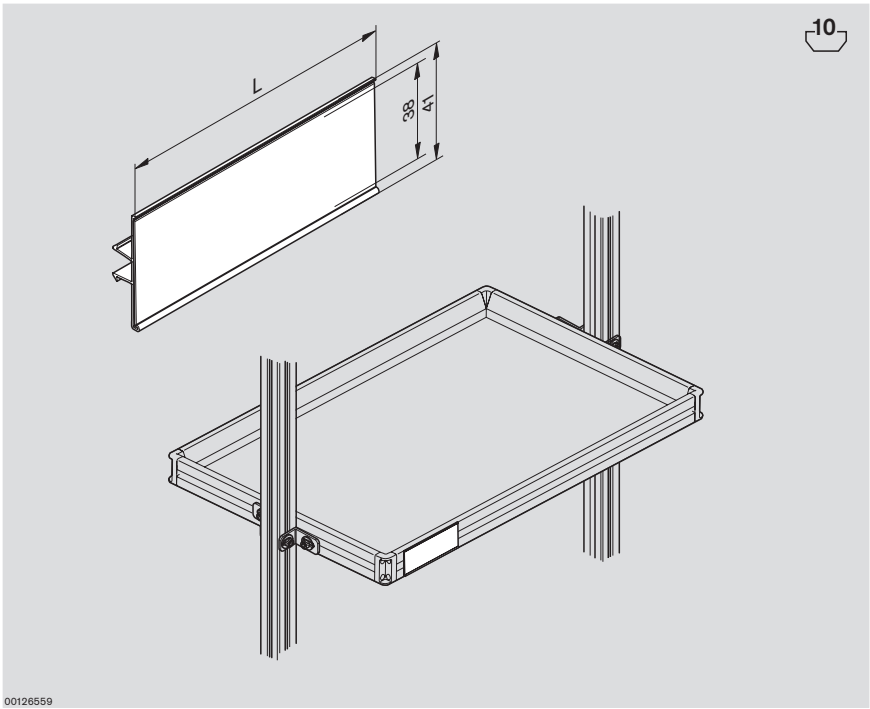
Lettering clips

Lettering clips to identify material shelves. The clips are clipped into the profile groove.


Material: PVC
Color: transparent/light gray RAL 7035

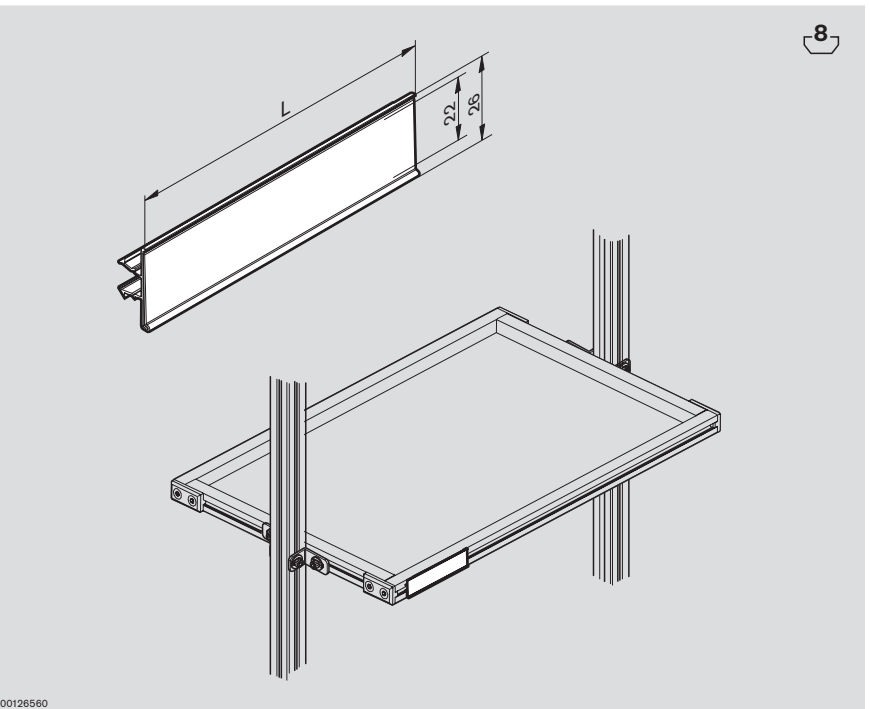
Lettering clip

L [mm]		Material no.
2000	20	3 842 537 116
102	20	3 842 537 651



Lettering clip

L [mm]		Material no.
2000	20	3 842 537 113
102	20	3 842 537 650



Workstations

Frame profiles 22.5x45

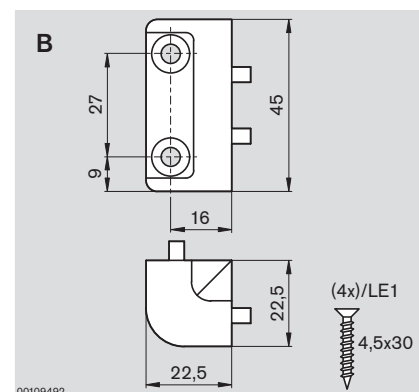
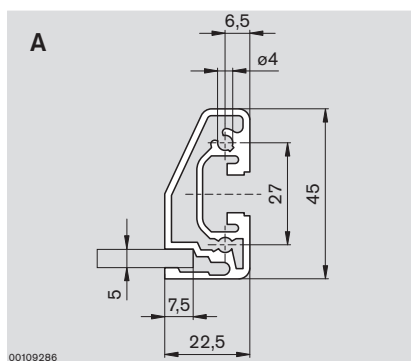
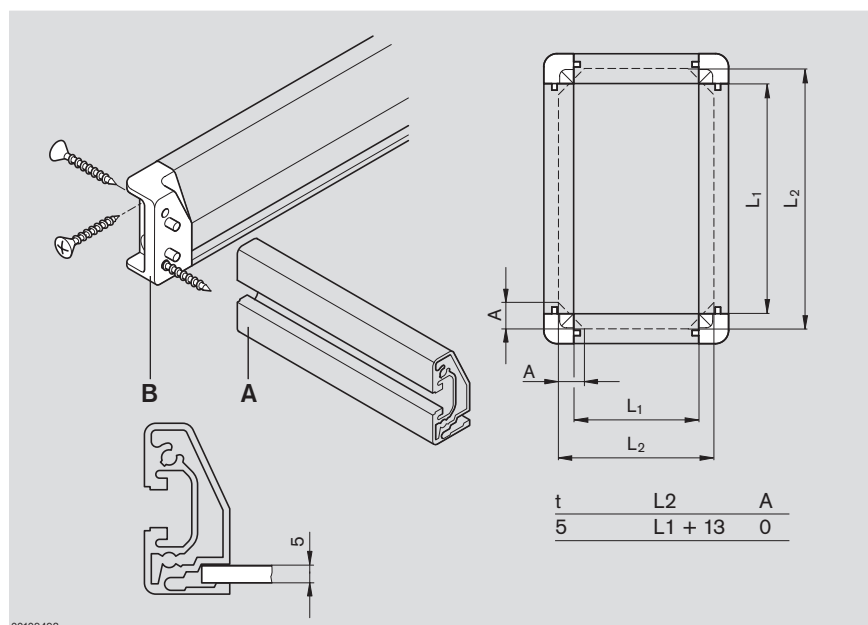


Frame profiles 22.5x45 are an economical solution for construction of material shelves. The surface elements are mounted under tension so that they do not rattle.

Corner piece (B) with self-cutting screws for right-angled connection.

Material corner piece: diecast zinc

Accessories: Panel (☞ 2-30), fastening kit (☞ 2-26), swivel fastening (☞ 2-26) lettering clips (☞ 2-27)



Frame profile 22.5x45

	LE	Material no.
A	1	3 842 992 411 / ...
30 mm ≤ L ≤ 5600 mm		

	LE	Material no.
A	20	3 842 508 102
L = 5600 mm		

Corner piece

		Material no.
B	20	3 842 535 637

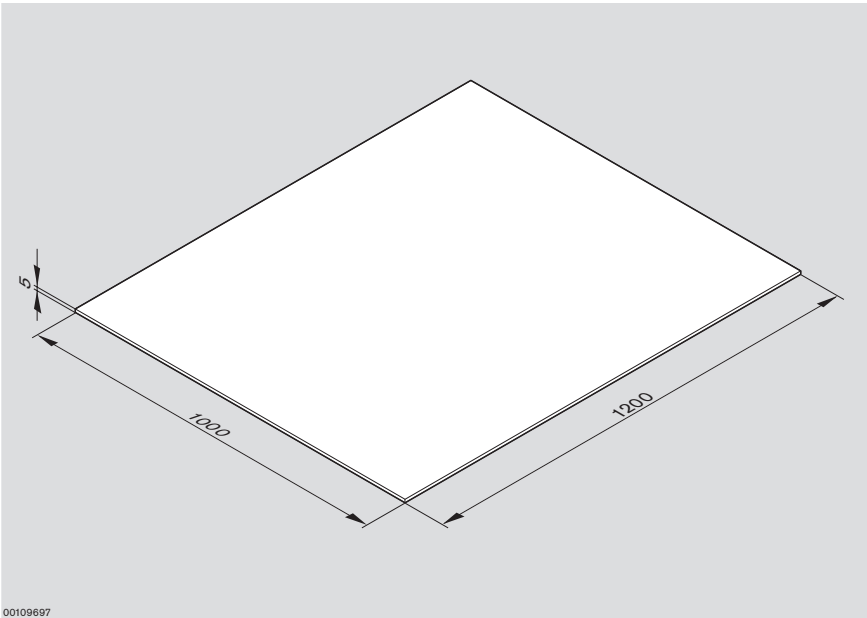
Workstations

Panels for frame profiles



A panel to construct side panels or material shelves for workstations. The ESD version is suitable for the construction of workstations used to assemble ESD-sensitive components.

- Material:
- A: gray PP, smooth on one side, grained on the other.
 - B: conductive SB, black, smooth on both sides.



Panel for frame profile

	Material no.
A	3 842 516 837
B	3 842 516 838

Workstations

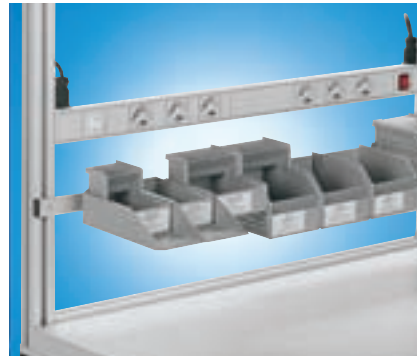
Custom suspension profiles

Standard suspension profiles

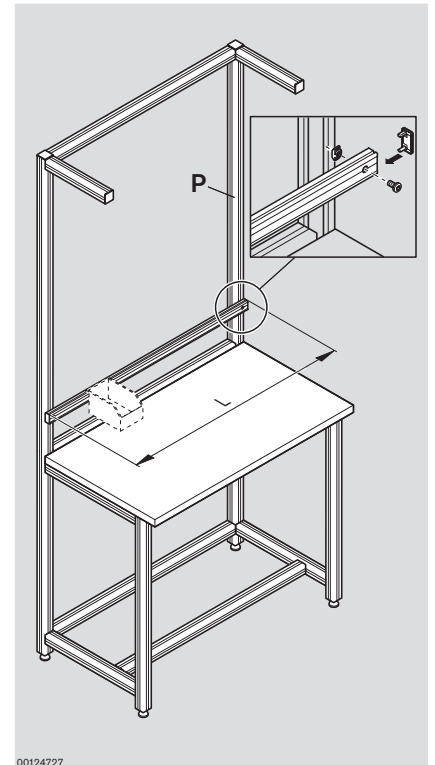


The suspension profile makes it possible to quickly suspend and remove grab containers, grab ledges, and grab trays (☞ 3-67). A cap prevents injuries and enhances the appearance of the suspension profile.

Scope of delivery for custom suspension profile: incl. fastening kit and caps
 Suspension profile material: aluminum, anodized surface
 ESD suspension profile material: aluminum, chromatized surface
 Cap material: PA



00121003



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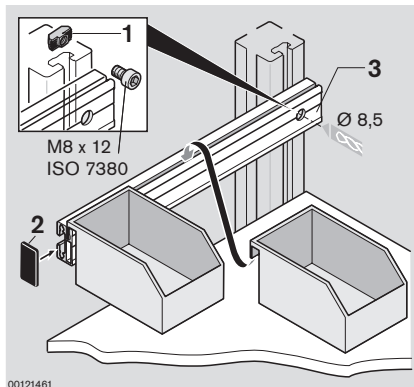
Suspension profile

Material no.

3 842 998 215

Ordering parameters for 3 842 998 215

ESD (0 = no, 1 = yes) _____ = ... (0, 1)
 BP Fastening on profile type _____ = ... (40L, 45L, 60L)
 L Suspension profile length _____ = ... (410 – 2000) mm



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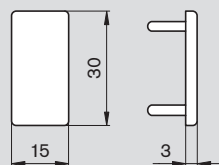
T-nut



Material no.

1 100 3 842 530 287

2



00109357

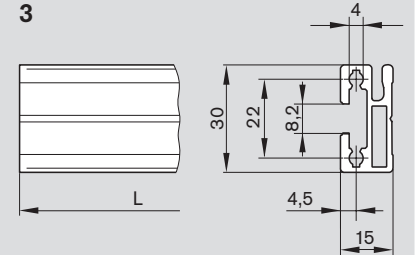
Cap



Material no.

2 20 3 842 338 990

3



00124726

Suspension profile, anodized

LE	Material no.
1	3 842 993 411 30mm ≤ L ≤ 3000mm
10	3 842 537 679 L = 3000mm

Suspension profile, chromatized

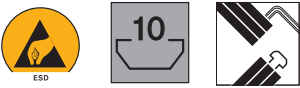
LE	Material no.
1	3 842 993 359 30mm ≤ L ≤ 3000mm
10	3 842 537 681 L = 3000mm



(☞ 6-5)

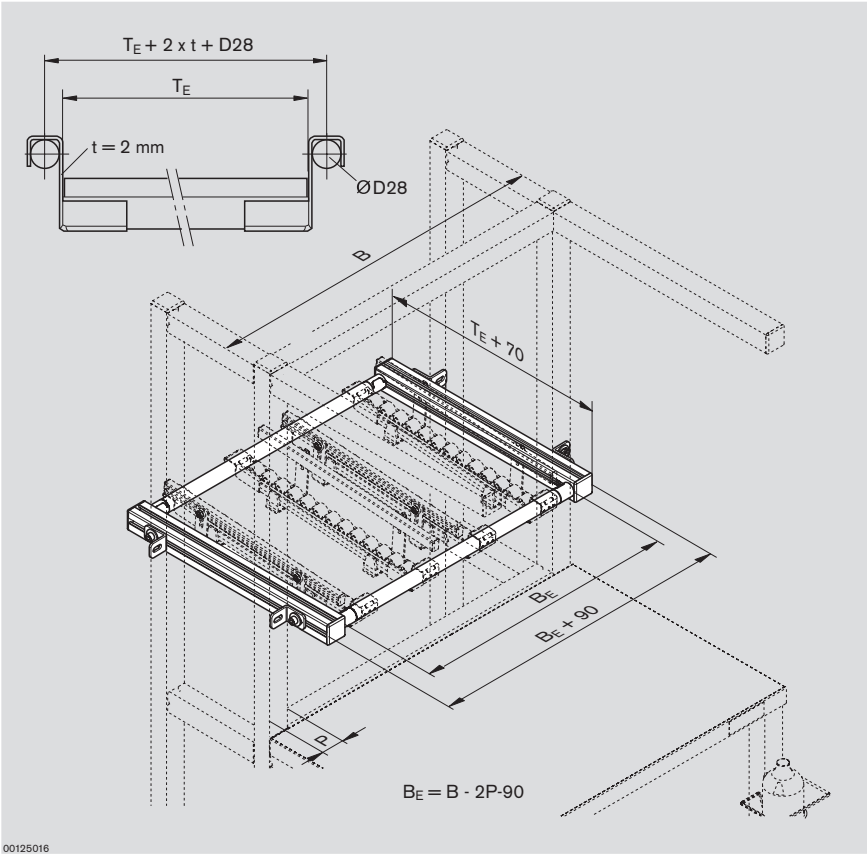
Workstations

Custom conveyor levels



The conveyor level is mounted onto the workstation. Conveyor tracks (XLean (3-22), Lean (3-24) or EcoFlow (3-35)) are easily and securely suspended in tubular cross ties with rail holders. Rexroth recommends a gradient of $G = 6\%$.
The conveyor level is suitable for the construction of workstations used to assemble ESD-sensitive components.

Scope of delivery: partially assembled conveyor level incl. fastening kit
Accessories: XLean (3-22), Lean (3-24), and EcoFlow (3-35) conveyor tracks, lettering clips (3-45)



Custom conveyor level

Material no.
3 842 998 411

Ordering parameters for 3 842 998 411

TE	Conveyor level depth	= ... (410–1220) mm
BE	Conveyor level width	= ... (400–1500) mm

Workstations

Standard side panel sets



Side panels screen the workstation from view and enhance its appearance. Three types are available.

Side panels for workstations with box and desk type construction

Economic

Material: coated hardboard 3.0 mm.
Color: light gray, RAL 7035
Scope of delivery: incl. Variofix-Block

Basic

Material: aluminum sandwich panel 2.0 mm.
Color: metallic aluminum
Scope of delivery: incl. Variofix-Block

ESD ⚡

Material: aluminum sandwich panel 2.0 mm.
Every side panel is connected to the table frame via a grounding cable (2-50) to produce conductivity.
Color: metallic aluminum
Scope of delivery: incl. Variofix-Block, potential fix.



00127290

Standard side panel set

	B [mm]	H1 [mm]	T1 [mm]	Economic Material no.	Basic Material no.	ESD Material no.
	990	860	595	3 842 537 072	3 842 537 076	⚡ 3 842 537 080
	990	960	595	3 842 537 073	3 842 537 077	⚡ 3 842 537 081
	990	860	595	3 842 537 070	3 842 537 074	⚡ 3 842 537 078
	990	960	595	3 842 537 071	3 842 537 075	⚡ 3 842 537 079

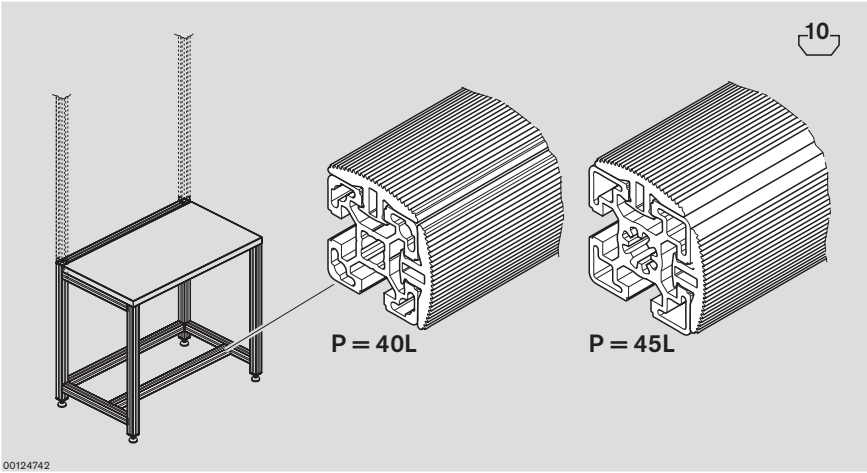
Workstations

Footrests




The rubber profile protects feet from hard edges and is clipped in from the top and front of the existing cross strut on the workstation. It is an inexpensive and simple alternative to the footrests Economic and Basic.

Material: EPDM
Conduction resistance $R_A = 10^3 - 10^9 \Omega$.



00124742

Rubber profile footrest

		Material no.
10		3 842 537 135
		L = 2000 mm
		Material no.
		3 842 994 979/...
		30 mm ≤ L ≤ 2000 mm

Workstations

Footrests Economic



The footrest Economic is directly screwed onto the table frame. The footrest is oil-resistant. The footrest Economic has an aluminum U-profile on the front edge to prevent premature wear of the footrest surface. The ESD version is suitable for the construction of workstations used to assemble ESD-sensitive components.

Conduction resistance: $R_A = 1 \times 10^6 \Omega$
(DIN EN 61 340-5-1)

Material: chipboard, hardcoated.

Scope of delivery: incl. fastening kit.

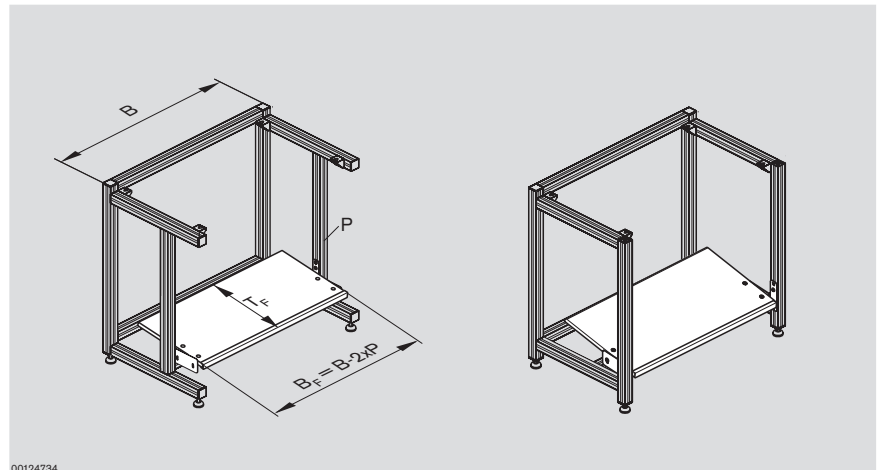
ESD version scope of delivery: additionally incl. grounding cable (☞ 2-86).

Custom footrest Economic

Material no.
3 842 998 256



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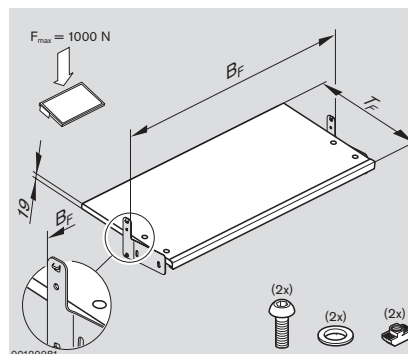
00124734

Ordering parameters for 3 842 998 256

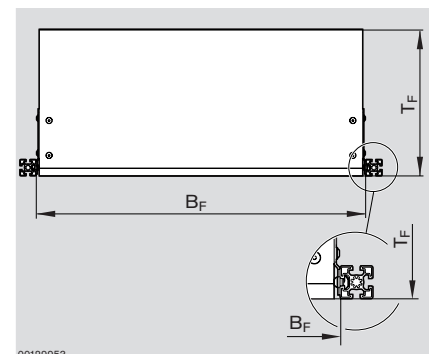
ESD (0 = no, 1 = yes) _____ = ... (0, 1)
 B_F Footrest width _____ = ... (400–1020) mm
 T_F Footrest depth _____ = ... (300–600) mm

Standard footrest Economic

B_F [mm]	T_F [mm]	Material no.
900	400	3 842 538 771
900	400	3 842 538 772



00120081



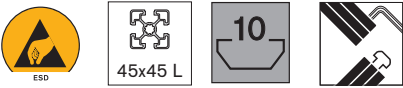
00129953



(☞ 6-4)

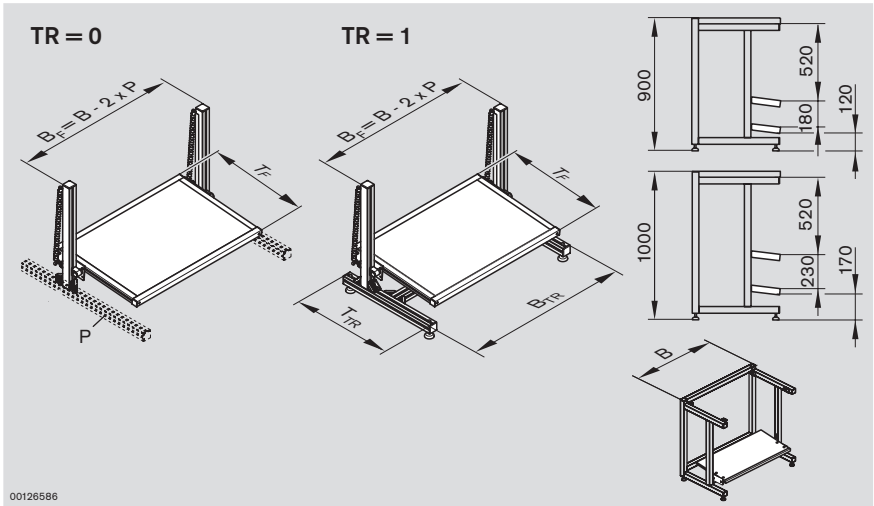
Workstations

Footrests Basic



The footrest Basic height can be easily adjusted while sitting. It is either installed on the table frame or a free-standing support frame (☞ 2-37). The footrest is oil-resistant. The ESD version is suitable for the construction of workstations used to assemble ESD-sensitive components.

Conduction resistance: $R_A = 1 \times 10^6 \Omega$
(DIN EN 61 340-5-1)
Frame material: strut profile.
Surface material: chipboard.
Scope of delivery: incl. fastening kit.
ESD version scope of delivery: additionally incl. grounding cable (2-86).
Accessories: support frame (☞ 2-37)




Custom footrest Basic	
	Material no.
	3 842 998 257

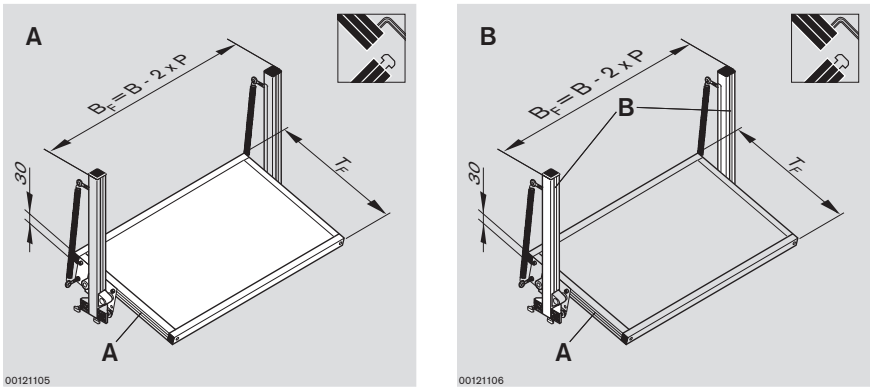
Ordering parameters for 3 842 998 257

A	Version (0 = kit, 1 = assembled)	= ... (0, 1)
ESD	(0 = no, 1 = yes)	= ... (0, 1)
B _F	Footrest width	= ... (400–1020) mm
T _F	Footrest depth	= ... (300–600) mm
TR	Support frame (0 = no, 1 = yes)	= ... (0, 1)

Standard footrest Basic with attachment kit	
	Material no.
A + B	3 842 519 735
A + B	⚠ 3 842 538 409

Standard footrest				
	B _F	T _F	Material no.	
A	900	530	3 842 515 160	
A	900	530		3 842 538 098

Attachment kit	
	Material no.
B	3 842 537 737



Workstations

Support frames



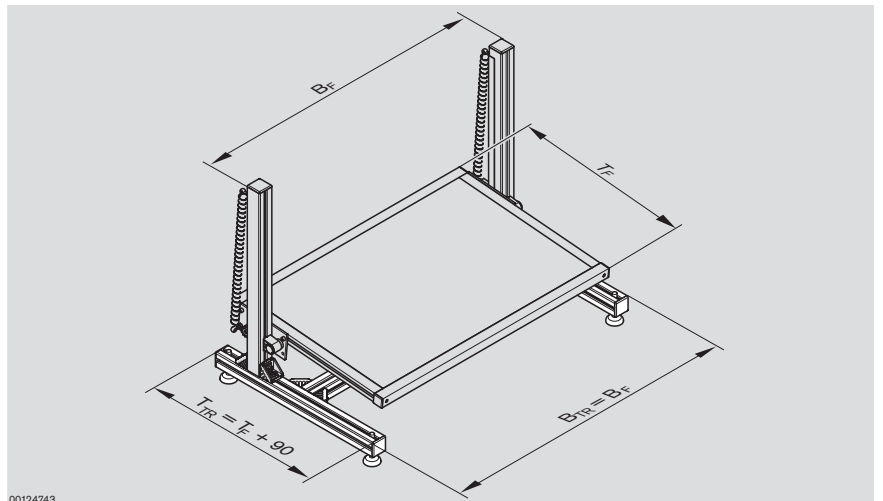
The support frame can be used to set up the footrest Basic as a free standing element beneath workstations.
Rexroth recommends $T_{TR} = T_F + 90$ mm to ensure the stability of the footrest.



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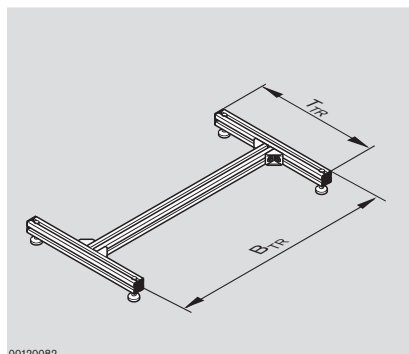
Custom support frame

Material no.

3 842 998 247

Ordering parameters for 3 842 998 247

B_{TR} Support frame width _____ = ... (400–1020) mm
 T_{TR} Support frame depth _____ = ... (390–690) mm



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Standard support frame

B_{TR} [mm]	T_{TR} [mm]	Material no.
900	558	3 842 521 013

Workstations

Workstation lighting

Workstation lighting

System lamps SL

  2-41

Tri-Light systems

  2-46

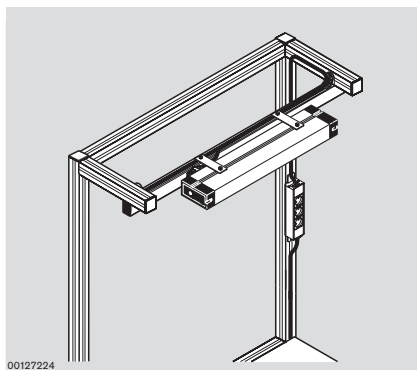
Workstation lighting

Workstation lighting

Good vision at the workplace increases performance and reduces the error rate. Rexroth's system lamp range provides glare and flicker-free light of the highest quality (quality class A according to DIN 5035-T2).

Depending on the task, you can select a single lamp or combine and arrange several lamps at will. That gives you a high-quality uniform workplace illumination from 500 to over 1000 lux.

With ready-to-use connection cables you can install them quickly and safely without needing an electrician.

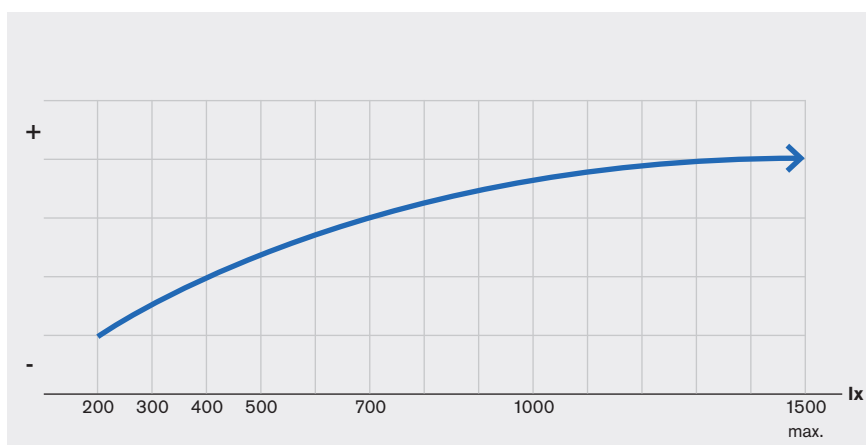


System lamps SL 36, SL48, SL 72, SL 78

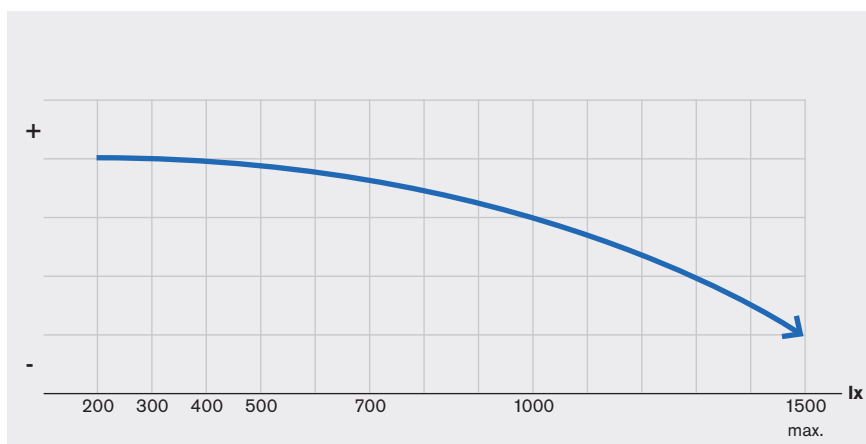


Tri-Light system

Increased efficiency with Rexroth system lamps



Reduction of errors with Rexroth system lamps



Workstation lighting

System lamps SL 72 *economic*

The system lamps *economic* are an inexpensive addition to Rexroth's system lamp program. They generate glare-free light of the highest quality (quality class A according to DIN 5035-T2). The lamps are connected via a 4-meter cable with either a grounded plug (Schuko) or GST plug. Lamps can be either directly mounted on the workstation bracket (if B = 990 mm) or via the suspension A_{Typ} ≠ 0 (☞ 2-68).

Protection class: IP 20 IEC 529

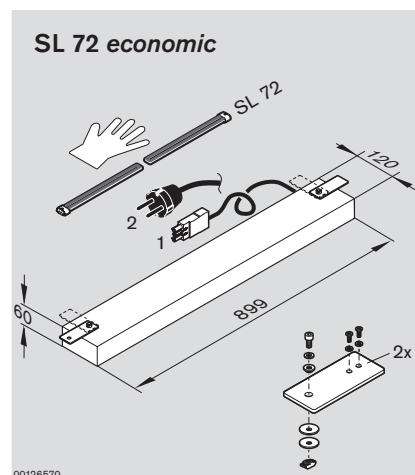
Housing: sheet steel, painted

Color: dusty gray RAL 7037

Incl. fastening kit



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System lamps SL 72 *economic*

	Material no.
1 GST	3 842 537 471
2 Schuko	3 842 537 470

Lamp	Fluorescent tubes	Service life	Voltage	Test mark	Weight
SL 72 <i>economic</i> GST	2 x TC-L 36 W	8000 h	230 V/50 Hz	VDI, ENEC	4.3 kg
SL 72 <i>economic</i> Schuko	2 x TC-L 36 W	8000 h	230 V/50 Hz	VDI, ENEC	4.3 kg

Workstation lighting

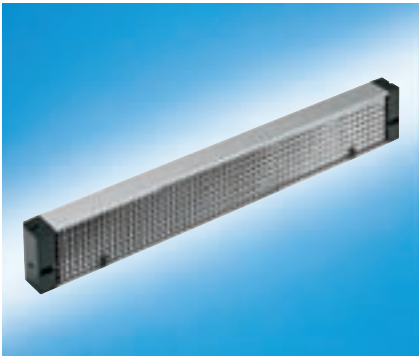
System lamps SL

The system lamps generate glare-free light of the highest quality (quality class A according to DIN 5035-T2).
The system lamps *electronic* are particularly cost-effective during operation (low power consumption, long fluorescent tube service life) and are flicker-free (> 25 kHz). They are additionally distinguished by a low weight.

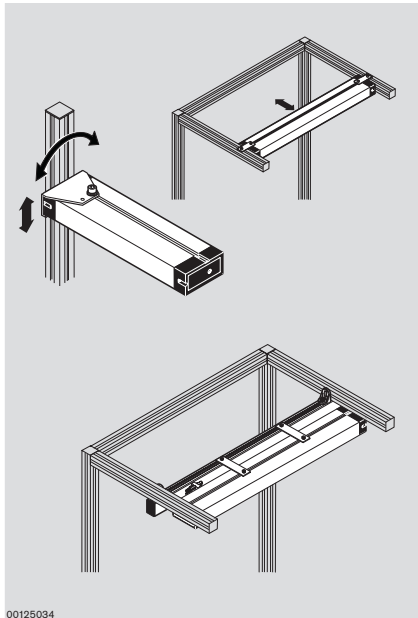
Protection class: IP 20 IEC 529
Housing: aluminum, anodized
Incl. fastening kit
Required accessories: (☞ 2-50, 51)



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00120978



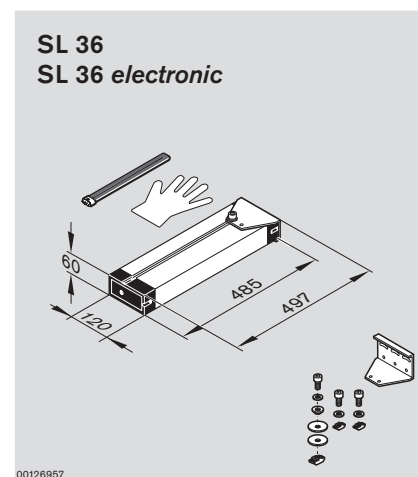
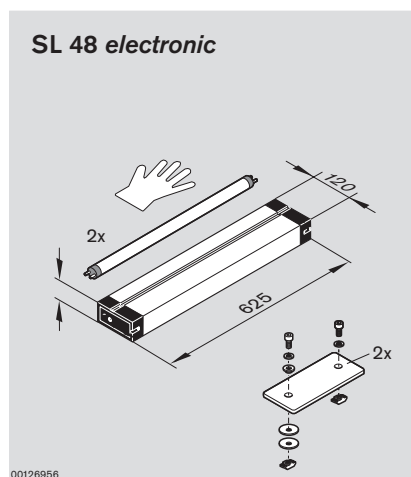
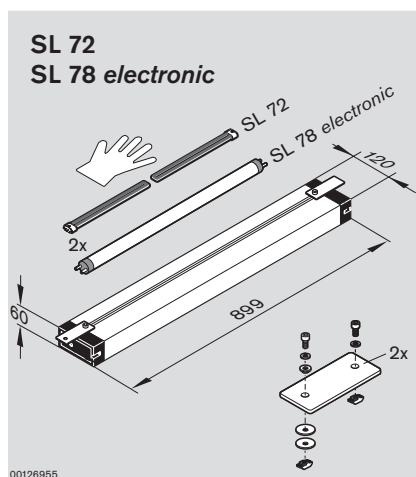
00125034

Mechanical adjustment of the SL

System lamps SL

			Material no.
SL 78 electronic	EU	220-240 V/50; 60 Hz	3 842 537 343
	USA/CDN	120-277 V/50; 60 Hz	3 842 537 345
SL 72	EU	230 V/50 Hz	3 842 514 653
SL 48 electronic	EU	220-240 V/50; 60 Hz	3 842 537 347
	USA/CDN	120-277 V/50; 60 Hz	3 842 537 349
SL 36	EU	230 V/50 Hz	3 842 516 712
SL 36 electronic	EU	220-240 V/50; 60 Hz	3 842 516 713
	USA/CDN	120-277 V/50; 60 Hz	3 842 537 351

Workstation lighting



Lamp	Fluorescent tubes	Service life	Voltage	Test mark	Weight
SL 78 electronic	2 x T5-L 39 W	12000 h	220-240 V/50; 60 Hz	VDI, ENEC	2.8 kg
			120-277 V/50; 60 Hz	UL, CSA, FCC	
SL 72	2 x TC-L 36 W	8000 h	230 V/50 Hz	VDI, ENEC	4.1 kg
SL 48 electronic	2 x T5-L 24 W	12000 h	220-240 V/50; 60 Hz	VDI, ENEC	2.3 kg
			120-277 V/50; 60 Hz	UL, CSA, FCC	
SL 36	2 x TC-L 36 W	8000 h	230 V/50 Hz	VDI, ENEC	2.2 kg
SL 36 electronic		12000 h	220-240 V/50; 60 Hz	VDI, ENEC	1.6 kg
		12000 h	120-277 V/50; 60 Hz	UL, CSA, FCC	1.6 kg

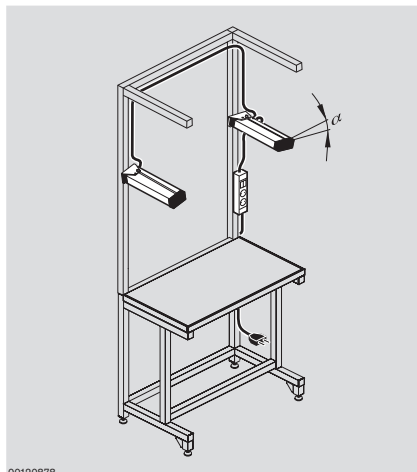
Workstation lighting

Mounting options and installation of the system lamps SL

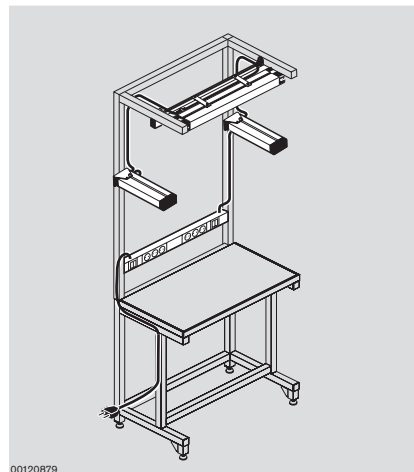


00120980

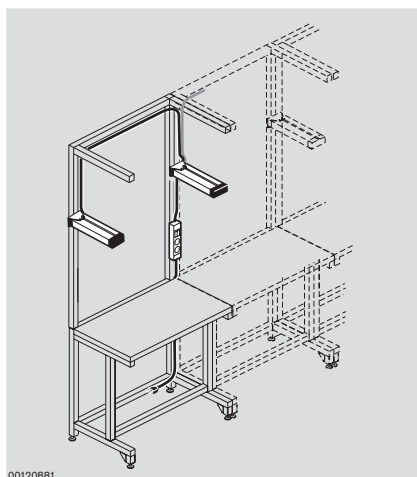
Required accessories: (☞ 2-50, 51)



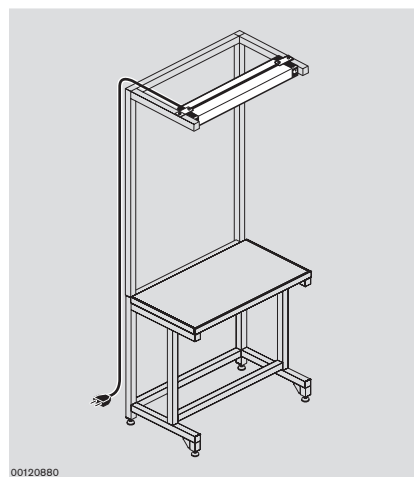
00120878



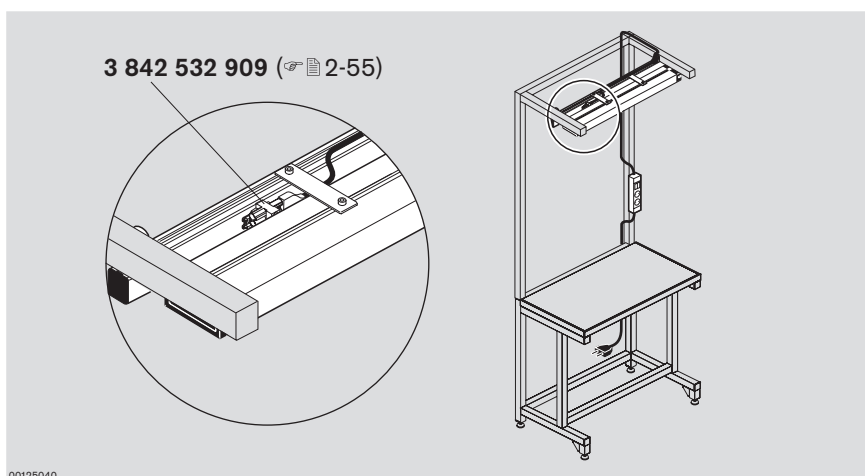
00120879



00120881



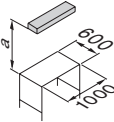
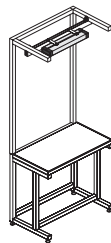
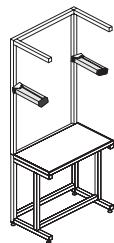
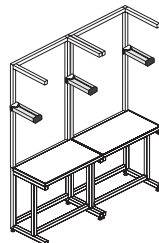
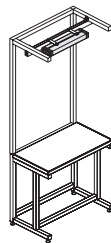
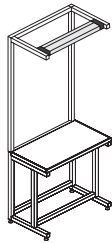
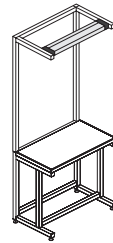
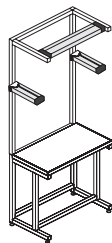
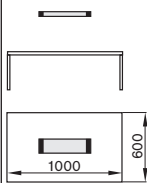
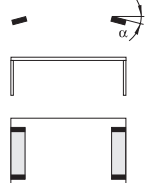
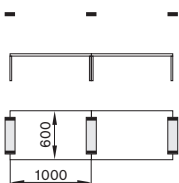
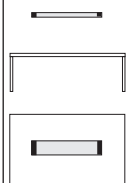
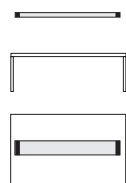
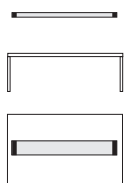
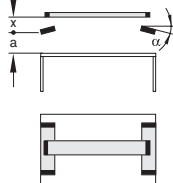
00120880



00125040

Workstation lighting

Luminance intensity depending on the arrangement of the system lamps SL

	SL 36	SL 36	SL 36	SL 48	SL 72	SL 78	SL Tri-Light			
										
										
a	\bar{E}	α	\bar{E}	\bar{E}	\bar{E}	\bar{E}	\bar{E}	x	α	\bar{E}
[m]	[lx]	[o]	[lx]	[lx]	[lx]	[lx]	[lx]	[m]	[o]	[lx]
0.75	599				887					
1.00	394	20	642	589	584	750	958	0.25	20	1158
								0.50	20	1020
1.25	272	15	470	471	398	523	681	0.25	15	845
1.50	196	15	353	385	281	380	501			
2.00						223	283			

Mean value \bar{E} of the luminance intensity on the working surface (new values, planning factor 0.8)

Workstation lighting

Tri-Light system



The Tri-Light system is a lighting system for work tables where bright light is needed:

e.g. for testing, fitting, soldering, and assembling very small products.

Special features:

- Controllable, strong luminance intensity
- Very uniform illumination (direct/indirect)
- No flickering (electronic lamp ballast, 30,000 Hz/50,000 Hz)

The Tri-Light system is suitable for all table frames with (P = 45L) and a width of B = 990 mm.

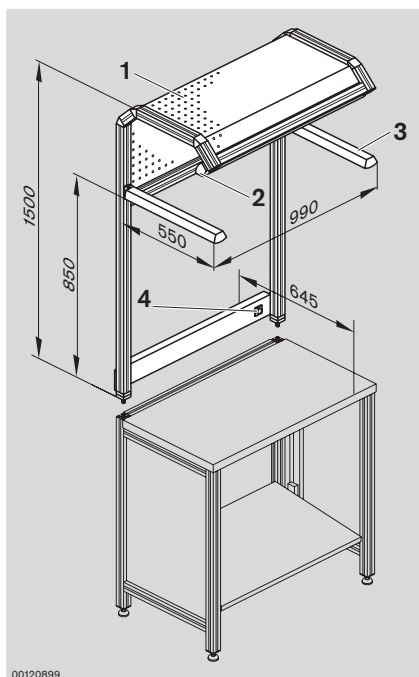
- 1 Reflector
- 2 Indirect light
- 3 Direct lights (height-adjustable and rotating)
- 4 Light intensity regulator

Required accessories:

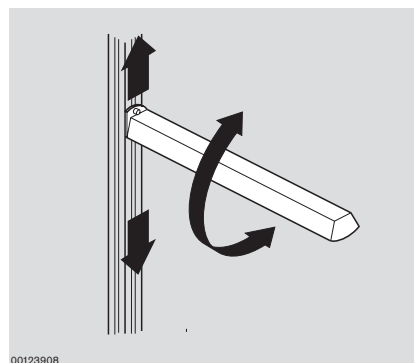
Mains cable (☎ 2-50)



00127286



00120899



00123908

Tri-Light system

Material no.

3 842 509 070

Power: 4 x 36 W

Voltage: 230 V/50 Hz

Average luminance intensity: $E = 1035 \text{ Lux}$,
 $E_{\min}/E \approx 1/1.1$

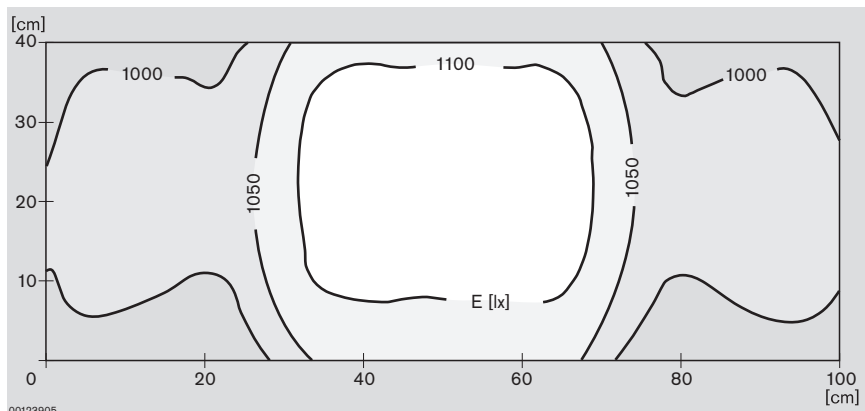
Luminance intensity on table surface with table top in light gray RAL 7035:

$L = 100\text{--}150 \text{ cd/m}$

Light frequency: 30 kHz

Color temperature: 4000 K

Adjustable light intensity yields luminance intensities between 300 and 1000 lux.











00123905

Luminance intensity on the working surface (work table top)

Power supply

Power supply

Socket strips	  2-48
Power strips	  2-49
Connecting cables	  2-50
Air supplies	  2-52

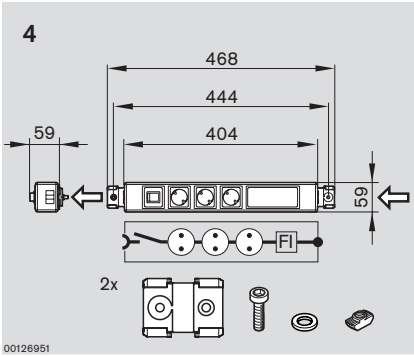
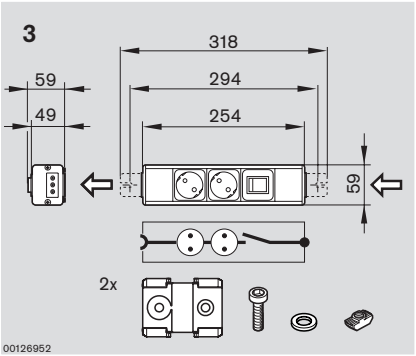
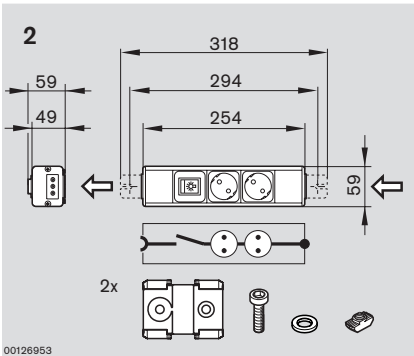
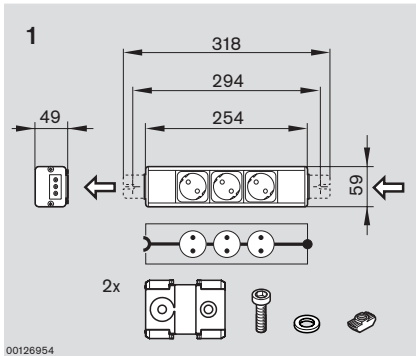
Power supply

Socket strips

Grounded plug socket strip with sturdy aluminum housing for mounting on strut profiles. Fastening kit for insulating assembly on ESD workstations. Sockets which meet different national standards are available on request.

- 1 Socket strip with three sockets
- 2 Socket strip with two sockets; switchable outlet
- 3 Socket strip with two sockets; switchable outlet and socket
- 4 Socket strip with three sockets, switchable outlet, current-limiting CTT-breaker

Protection class: IP 20 (IEC 529/DIN 40050)
Scope of delivery: incl. fastening kit for insulating assembly on ESD workstations and cap for covering the outlet.



Socket strips

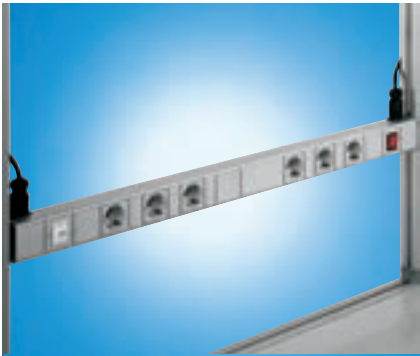
			Material no.
1	D	max 16A/230V	3 842 520 365
	F	max 16A/230V	3 842 522 565
	GB	max 16A/230V	3 842 522 567
	USA/CDN	max 15A/125V	3 842 537 329
2	D	max 16A/230V	3 842 520 363
	F	max 16A/230V	3 842 522 575
	GB	max 16A/230V	3 842 522 577
	CH	max 16A/230V	3 842 523 902
3	D	max 16A/230V	3 842 522 569
	F	max 16A/230V	3 842 522 571
	GB	max 16A/230V	3 842 522 573
	F	max 16A/230V	3 842 537 341

Power supply

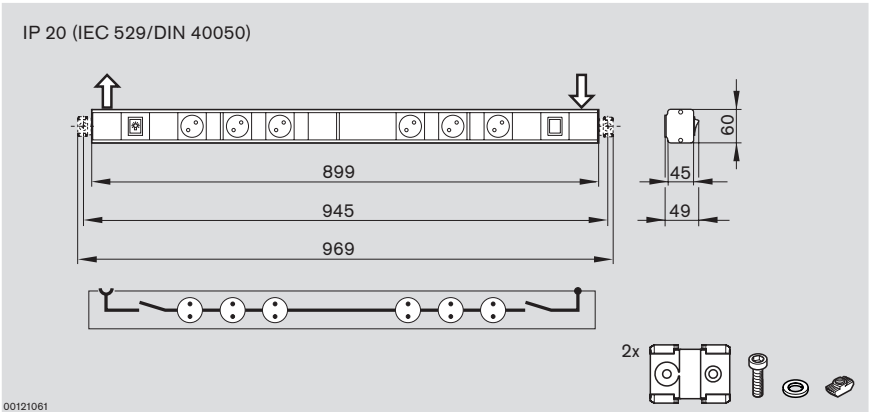
Power strips

Power strip with switchable inlet and outlet. The grounded sockets are turned at an angle of 45° allowing close-fitting arrangement of angled plugs. Sockets which meet different national standards are available on request.

Scope of delivery: incl. fastening kit for insulating assembly on ESD workstations and cap for covering the outlet.



00120947



00121061

Power strips

		Material no.
D	max 16A/230V	3 842 518 598
F	max 16A/230V	3 842 518 580
GB	max 16A/230V	3 842 518 582
CH	max 16A/230V	3 842 518 905
USA/CDN	max 15A/125V	3 842 537 467

Power supply

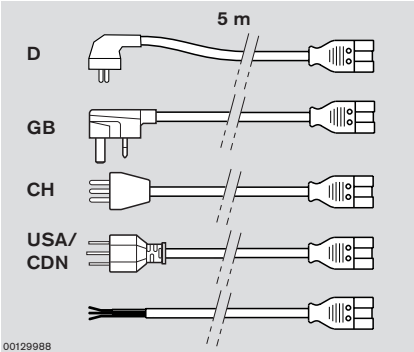
Connecting cables

Pre-manufactured connecting cables simplify wiring and provide enhanced safety. The connection cables conform to DIN EN IEC 60 598-1 standard. Plugs (☞ 2-51) are available for custom-mounted cables.

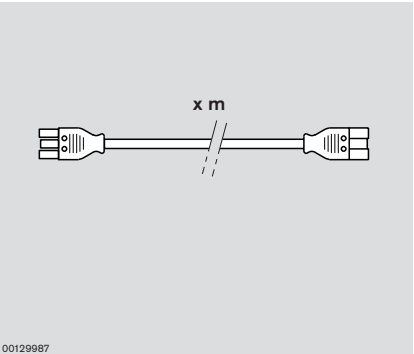
Color: black.



00120948



00129988



00129987

- Ⓐ DIN 49 441 - R2/CEE 7
- Ⓑ IEC/EN 60 320-1/VDE 0625
- Ⓒ BS 5733
- Ⓓ SEV 1011
- Ⓔ UL/CSA, CE

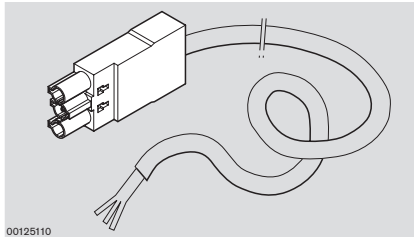
Mains cables

	Corr. standard	L [m]	Material no.
D	Ⓐ Ⓑ	5	3 842 517 045
GB	Ⓒ Ⓑ	5	3 842 522 585
CH	Ⓓ Ⓑ	5	3 842 523 910
USA/CDN	Ⓔ Ⓑ	5	3 842 537 323
Open end	Ⓑ	5	3 842 517 201

Connecting cables

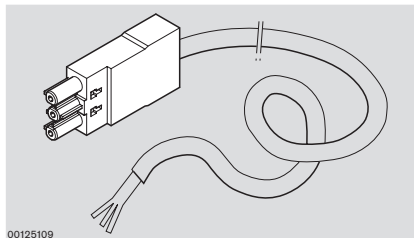
	Corr. standard	L [m]	Material no.
EU	Ⓑ	4	3 842 537 598
USA/CDN	Ⓔ	4	3 842 537 599
EU	Ⓑ	3	3 842 527 207
USA/CDN	Ⓔ	3	3 842 537 558
EU	Ⓑ	2	3 842 517 047
USA/CDN	Ⓔ	2	3 842 537 560
EU	Ⓑ	1.5	3 842 537 123
USA/CDN	Ⓔ	1.5	3 842 537 562
EU	Ⓑ	1	3 842 517 049
USA/CDN	Ⓔ	1	3 842 537 564
EU	Ⓑ	0.5	3 842 517 051
USA/CDN	Ⓔ	0.5	3 842 537 566

Power supply



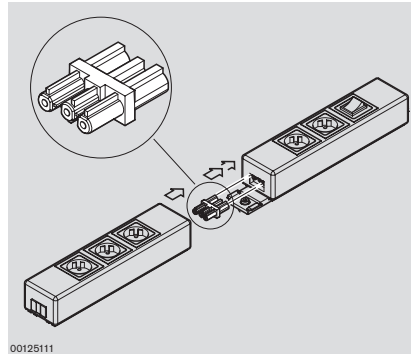
Plug

	Material no.
10	3 842 517 043



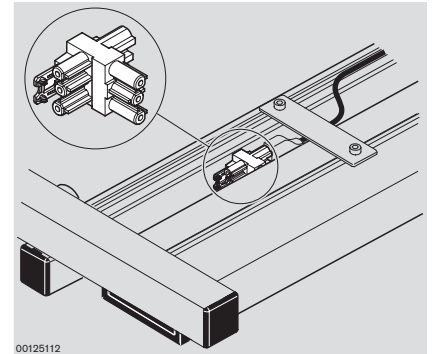
Socket

	Material no.
10	3 842 517 044



Connecting plug

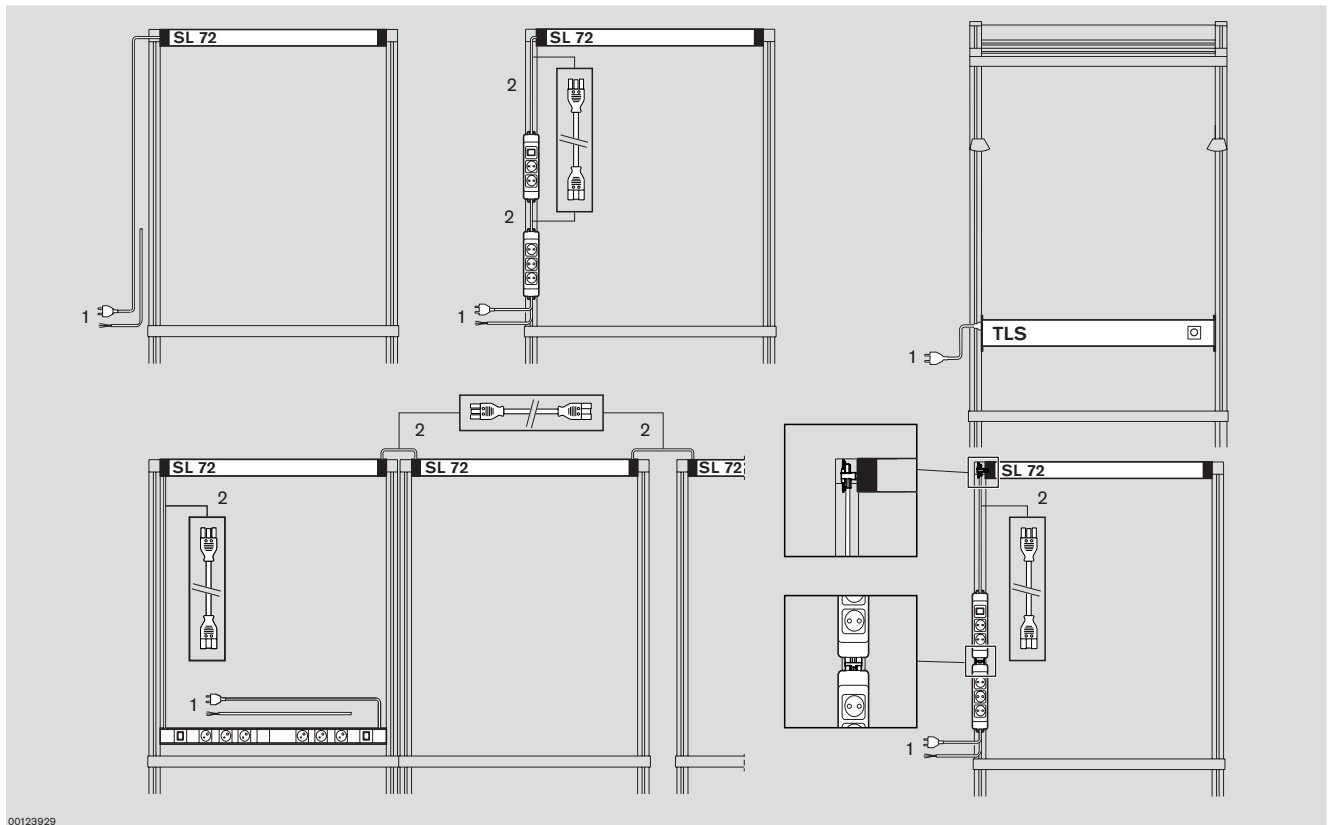
	Material no.
10	3 842 517 055



T-plug

	Material no.
10	3 842 532 909

Connection examples



Power supply

Air supplies

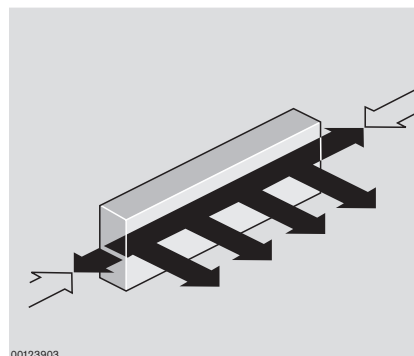


The workstation air bar serves as a distributor and connection point for compressed air of up to max. 8 bar. Spiral hose for the connection between the air bar and spring pull (☞ 2-70).

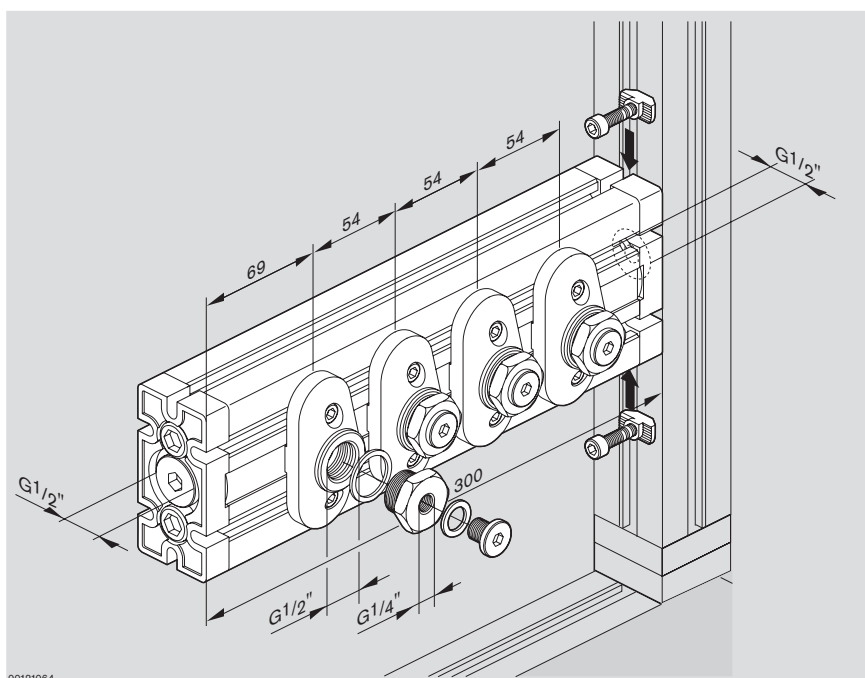
Scope of delivery: fully assembled with fastening elements for a 10 mm groove.



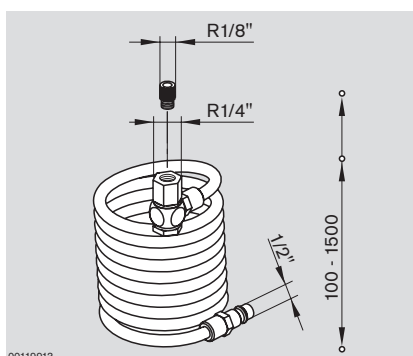
00120949



00123903



00121064



00119913

Spiral hose


Material no.
0 842 901 312

Air bar

Material no.
3 842 352 088

On-hand information

On-hand information at the workstation

Slide-in holders	  2-55
Information boards	  2-56
Infoboards	  2-60

On-hand information

On-hand information at the workstation

Using components to make information available on-hand, you provide all important information right at the workstation and in production. Your workers can then make the right decisions and take immediate action.

With team-oriented work organization forms, information boards as well as infoboards represent the central location of information in production.

The availability of important information – e.g. work instructions, agreed goals and production data – guarantees clarity and is an important precondition for certification according to DIN/ISO 9000.



00127199

On-hand information

Slide-in holders

The slide-in holder helps keep information such as work sequence cards in good order at the workstation. A protective cover keeps the information clean. The slide-in holder can be mounted horizontally or vertically.

Format: DIN A4. Color: light gray RAL 7035

Material: sheet steel

Protective cover material: sheet PVC

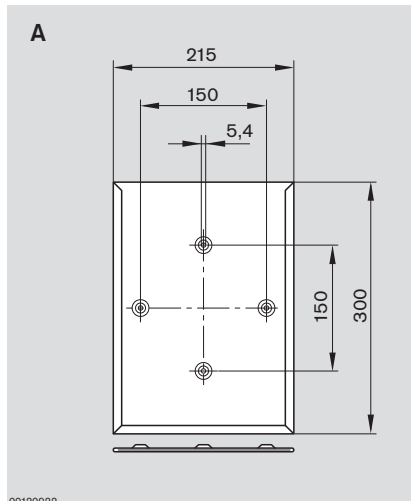
Accessories: Mounting for fixing the slide-in holder (A) to the table top (TP).

Colour: light gray RAL 7035

Material: sheet steel



00121496

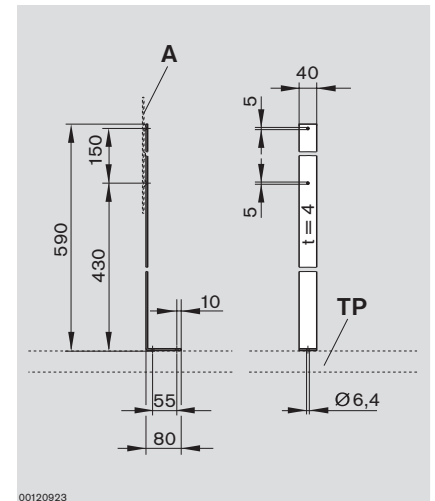


00120922

Slide-in holder incl. protective pane

Material no.

A 1 845 410 015



00120923

Holder

Material no.

3 842 000 058

On-hand information

Information boards at the workstation



The information board in DIN A4 format is available in one-sided and two-sided versions as well as with optional insert areas for notice boards. Information boards can be mounted horizontally or vertically.

Frame profile

Material: aluminum, anodized

Color: natural

Backing and board

Material: sheet steel powder-coated

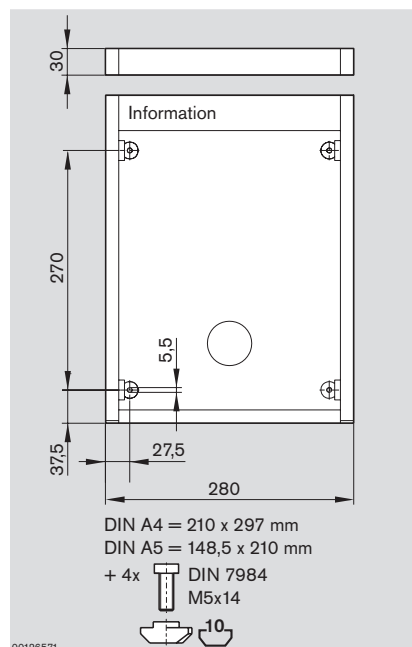
Color: charcoal gray RAL 7016

Incl. fastening kit, reinforced transparent plastic sleeves (see 2-59), self-adhesive text holder in a neutral color.



00127195

	Material no.
A4, EU	3 842 502 151

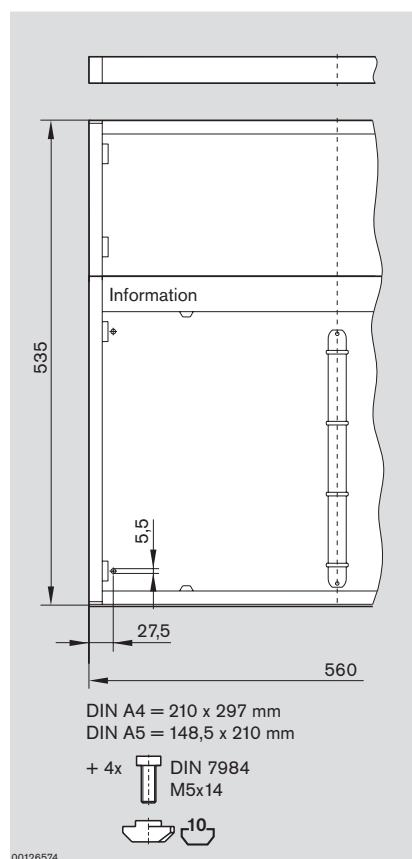


00126571



00127198

	Material no.
2 x A4 plus	3 842 502 154



00126574

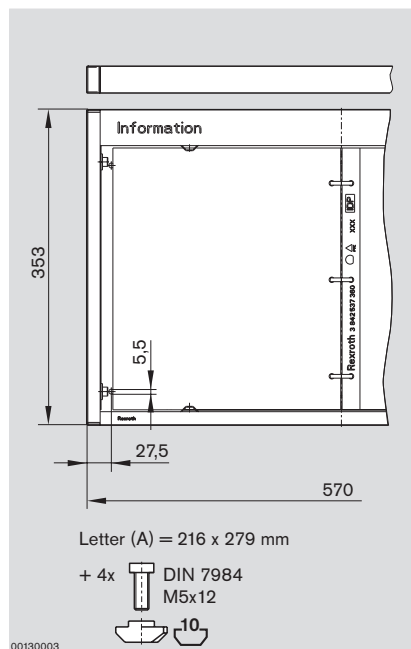
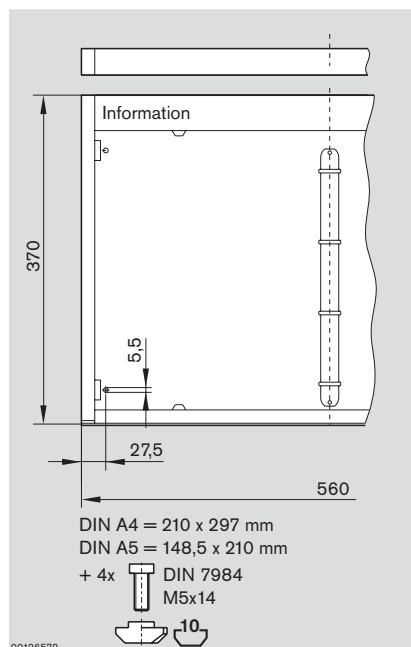
On-hand information



00127196

	Material no.
2 x A4, EU	3 842 502 153
2 x A4, EU	3 842 537 870

	Material no.
2 x A4, USA	3 842 538 789



On-hand information

Information boards ISO



Information board used for making information available at the workstation.
The information board can be mounted horizontally or vertically.
It accommodates 18 reinforced transparent plastic sleeves (☞ 2-59)
A European version with 4 holes
B USA version with 3 holes

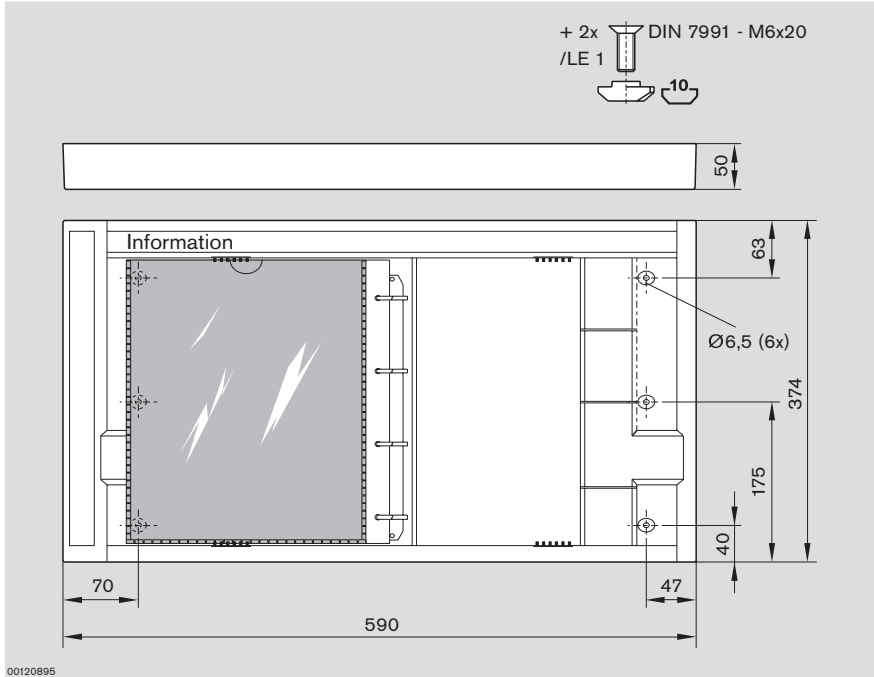
Material: ABS. Color: charcoal gray
RAL 7016.
Incl. fastening kit, reinforced transparent plastic sleeve, labels in several languages.



00127200



00127201



00120895

Information boards ISO	
	Material no.
A	3 842 517 163
B	3 842 517 164

On-hand information

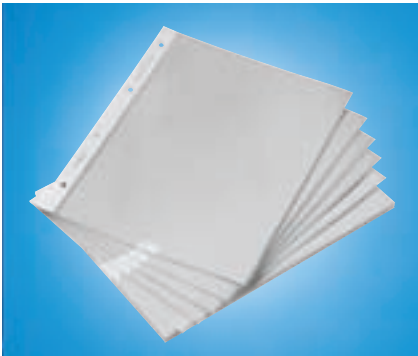
Transparent plastic sleeves for information boards



Reinforced transparent plastic sleeves


- A European version with 4 holes, DIN A4
- B USA version with 3 holes, letter format

Material: PVC



00121035

Transparent plastic sleeves

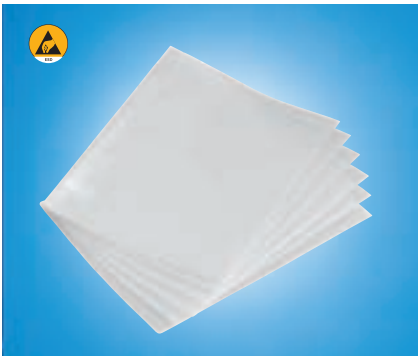
		Material no.
A	10	3 842 502 162
B	10	3 842 516 813

Reinforced ESD transparent plastic sleeves

The ESD transparent plastic sleeves are permanently conductive in accordance with DIN EN 61340-5-1. Surface resistivity $< 10^{10} \Omega$. ESD conductivity can be influenced by UV rays, heat, and chemicals. We recommend regular monitoring (yearly).




- A European version with 4 holes, DIN A4
- B USA version with 3 holes, letter format

Material: PVC



00127269

ESD transparent plastic sleeves

		Material no.
A	10 	3 842 537 358
B	10 	3 842 537 360

On-hand information

Infoboards

Infoboards can be used to provide production with important information such as work instructions, agreed goals, and production figures. Workers thus have access to information on-site and at any time.



00126515

On-hand information

The infoboards are fully suitable for industrial use due to a stable, robust design. The infoboard Economic provides the most cost-effective solution for multiple applications. The infoboard Mobil has additional locking rollers and a tiltable work surface to optimize ergonomic work.



00121505

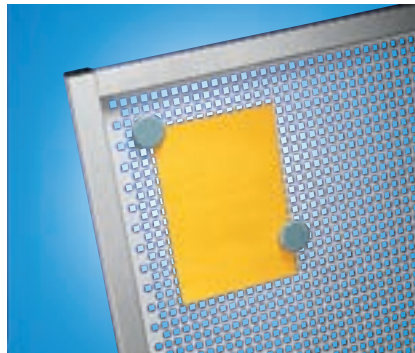
Version for pins, matted surface can be used as a projection screen



00121506



Version with perforated plate for magnets and screws



00121507



Version for magnets and board markers; both sides can be written on



00121508



On-hand information

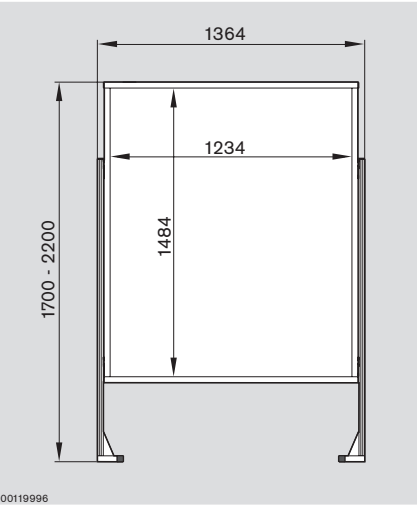
Infoboards Economic



The infoboard Economic provides the most cost-effective solution for multiple applications. It can be retrofitted with rollers.

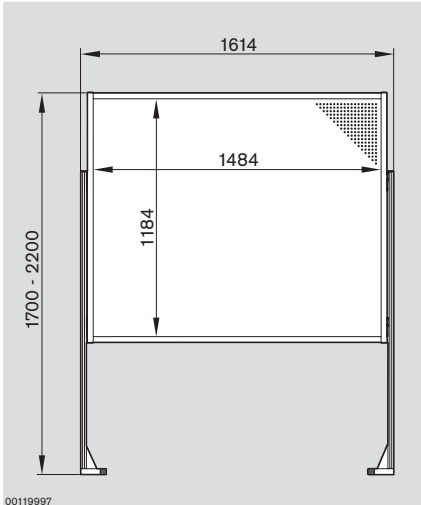


00127193



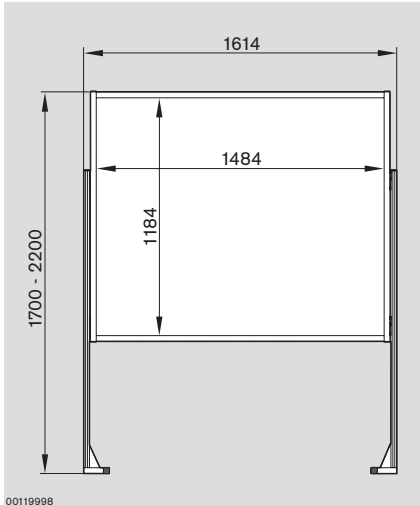
00119996

Material no.
3 842 515 771



00119997

Material no.
3 842 516 406



00119998

Material no.
3 842 515 772



00121509

Roller set incl. fastening kit.

Roller set for infoboard Economic

 **Material no.**
Set  3 842 536 129

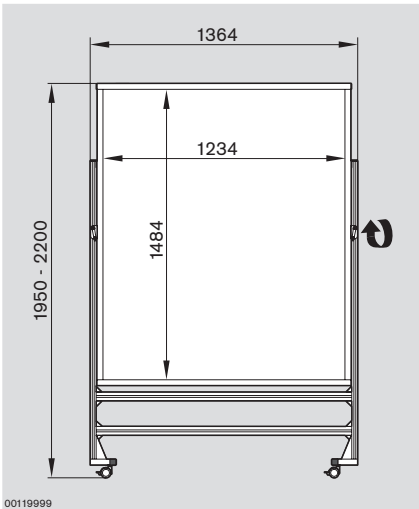
On-hand information

Infoboards Mobil

The infoboard Mobil is easy to move around with locking rollers. A tiltable work surface allows you to maintain an ergonomic posture.

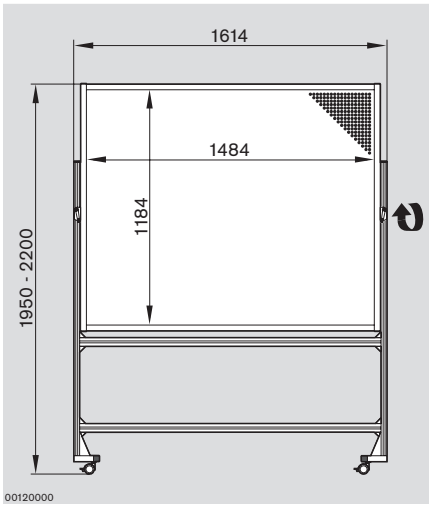


00120888



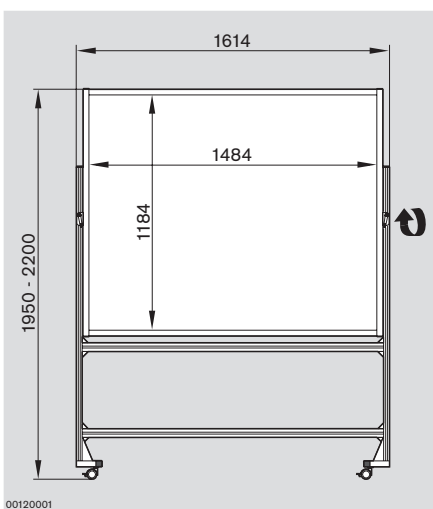
00119999

Material no.
3 842 515 773



00120000

Material no.
3 842 516 407



00120001

Material no.
3 842 515 774

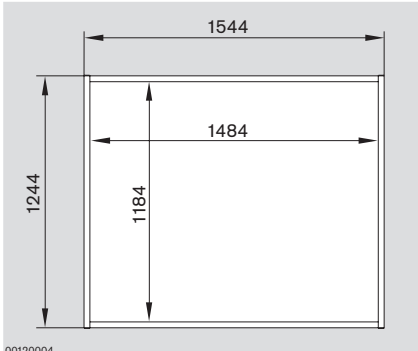
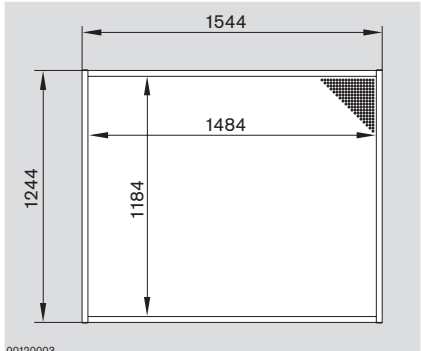
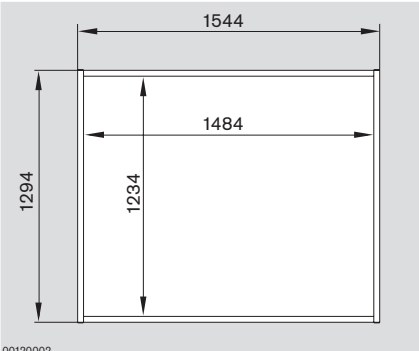
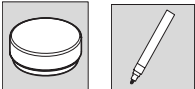
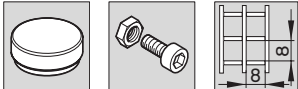
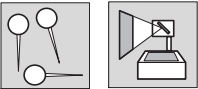
On-hand information

Wall infoboards

The infoboard can be mounted on the wall using brackets.



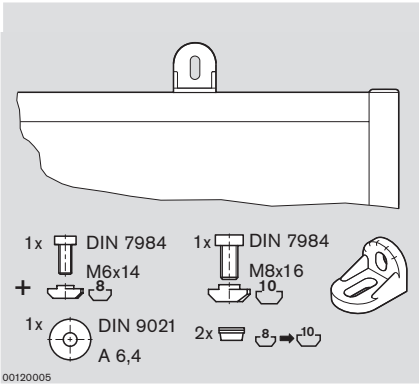
00127194



Material no.
3 842 515 775

Material no.
3 842 516 405

Material no.
3 842 515 776




Bracket for wall mounting

Material no.
3 842 515 547

Optimum positioning of tools

Optimum positioning of tools

Tool hangers 180°	  2-67
Custom hangers	  2-68
Spring pulls	  2-70
Tool shelves	  2-71

Optimum positioning of tools

Correct and ergonomic positioning of tools is the basis for a productive workstation design. Easy tool accessibility helps to avoid uneven, stressful movements.



00120982



00120984



00120954

Optimum positioning of tools

Tool hangers 180°

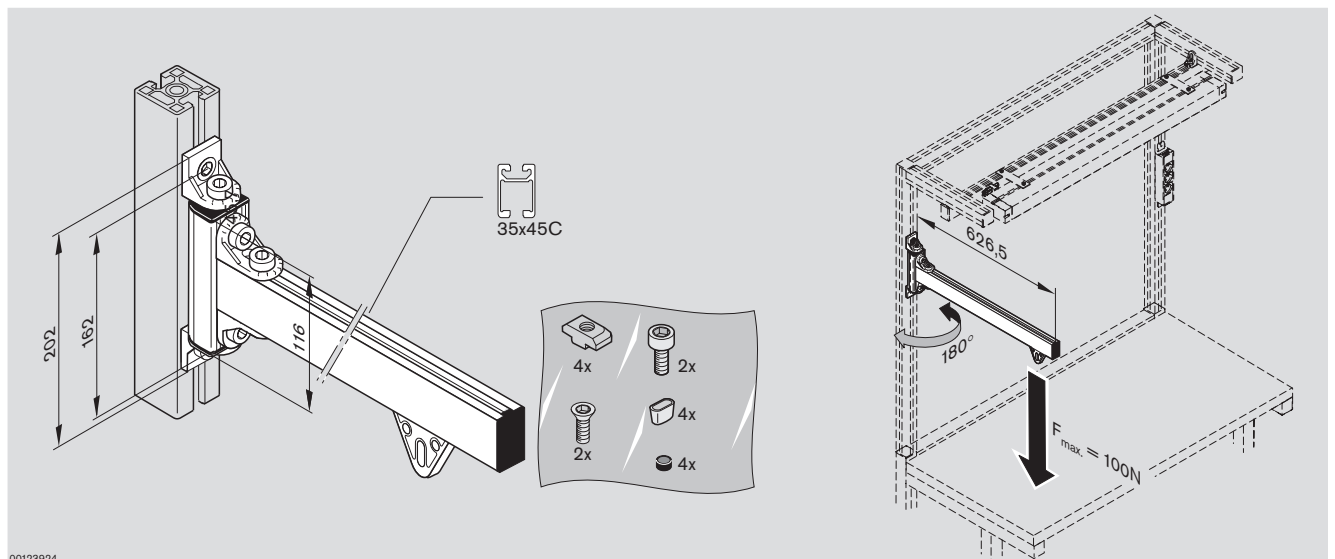


180° swiveling hanger to position e.g. a tool at the workstation.

Incl. slider and fastening kit. Accessories for tool hanger (☞ 2-69)



00120986



00123924

Tool hanger 180°

Material no.

3 842 521 517



(☞ 6-4)

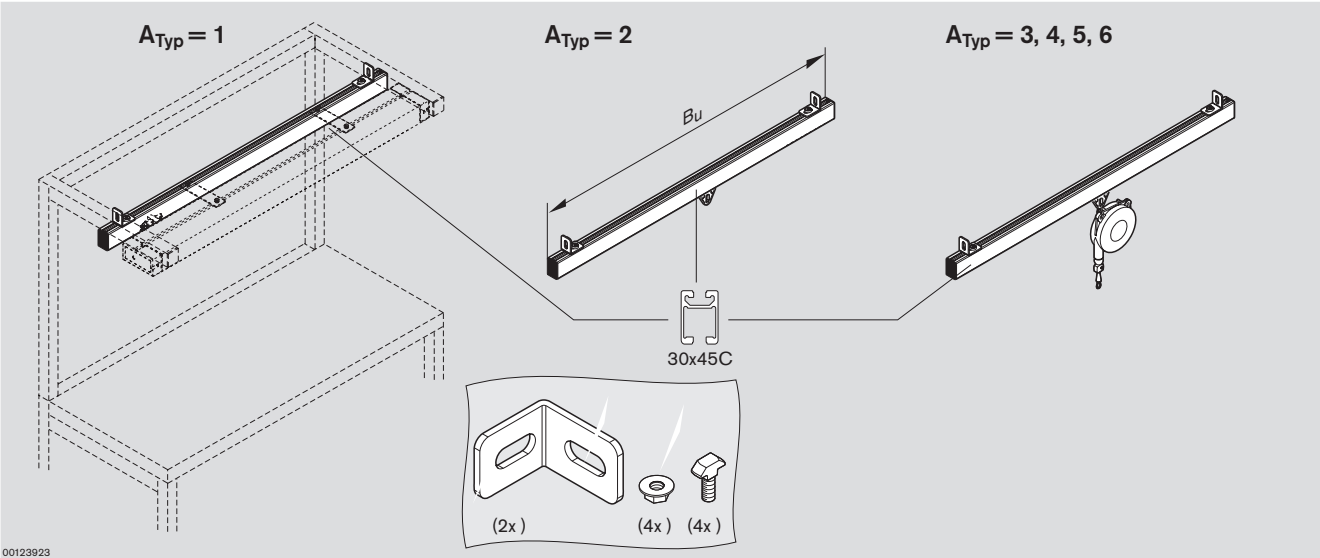
Optimum positioning of tools

Custom hangers



The custom hanger serves to fasten lamps ($A_{Typ} = 1$), as well as ergonomically positioning tools at the workstation with a spring pull. We recommend using a sliding block as a stop for the slider.

Scope of delivery: incl. fastening kit, slider 3 842 521 510 if applicable, spring pull, snap hook.

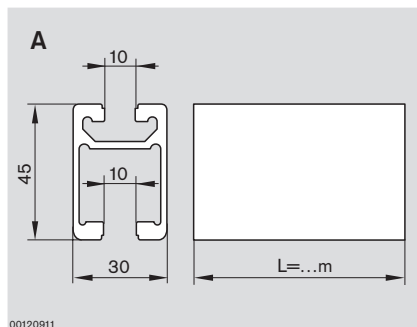


Hangers

Material no.	Ordering parameters for 3 842 998 216
3 842 998 216	<div> <div> <div>B_U</div> <div>Hanger width</div> <div>= ... (400 – 6000) mm</div> </div> <div> <div>A_{Typ}</div> <div>Hanger type</div> <div>= ... (1, 2, 3, 4, 5, 6)</div> </div> </div> <div> <div> <div>(A_{Typ} = 1) C-rail</div> <div>(A_{Typ} = 2) C-rail with slider</div> <div>(A_{Typ} = 3) C-rail with slider and spring pull 3 842 520 053 (0.4 - 1.0 kg)</div> <div>(A_{Typ} = 4) C-rail with slider and spring pull 3 842 520 054 (1.0 - 2.0 kg)</div> <div>(A_{Typ} = 5) C-rail with slider and spring pull 3 842 520 055 (2.0 - 4.0 kg)</div> <div>(A_{Typ} = 6) C-rail with slider and spring pull 3 842 520 056 (1.2 - 2.5 kg)</div> </div> <div> <div>(2-69)</div> <div>(2-69)</div> <div>(2-70)</div> <div>(2-70)</div> <div>(2-70)</div> <div>(2-70)</div> </div> </div>

Optimum positioning of tools

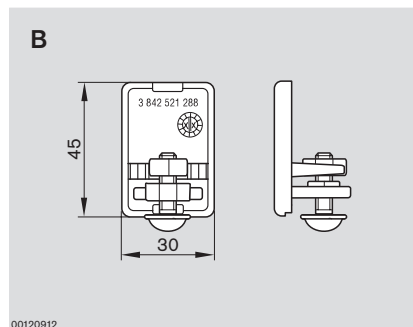
Component hangers



Profile rail 30x45 C

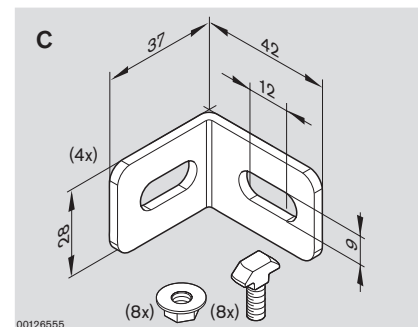
	LE	Material no.
A	1	3 842 992 946/... mm
		30 mm ≤ L ≤ 6000 mm

	LE	Material no.
A	20	3 842 523 598
		L = 6000 mm



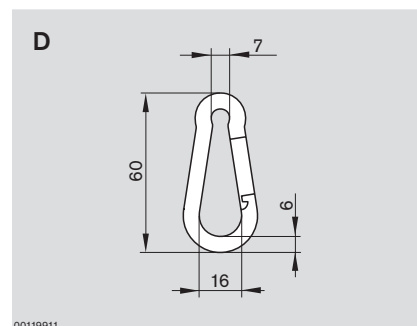
End piece 30x45 C

		Material no.
B	20	3 842 521 513



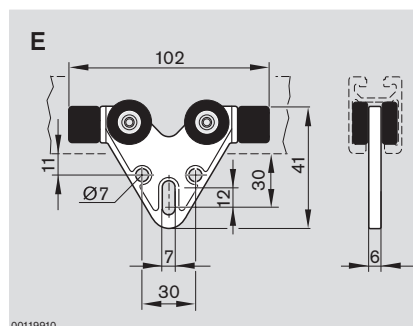
Fastening

		Material no.
C	Set	3 842 537 861



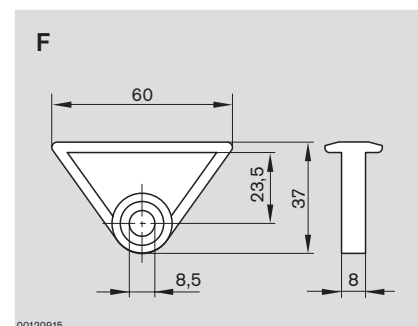
Snap hook

	Material no.
D	0 842 901 309



Slider

	Material no.
E	3 842 521 510



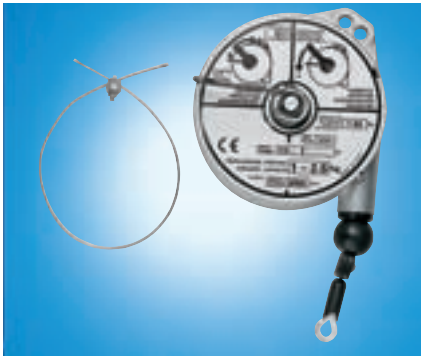
Suspended slider

	Material no.
F	3 842 218 953

Optimum positioning of tools

Spring pulls

Spring pull for ergonomic positioning of e.g. screwdrivers at the workstation. Bearing load and cable length are adjustable.

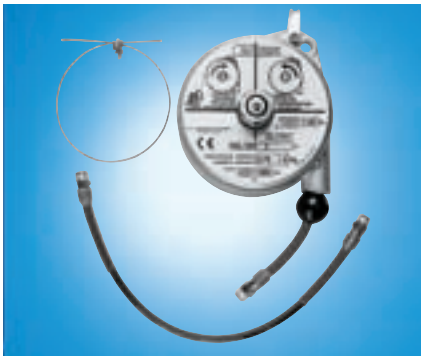


00120989

Spring pull

Load [kg]	System weight [kg]	Retractable cable length [mm]	Material no.
0.4 – 1.0	0.6	1600	3 842 520 053
1.0 – 2.0	0.6	1600	3 842 520 054
2.0 – 4.0	2.0	2000	3 842 520 055

Spring pull with retractable hose for e.g. ergonomic positioning of pneumatic tools.
Use the compressed air bar (2-52) and spiral hose (2-52) for the pneumatic connection. Bearing load and cable length are adjustable.



00120990

Spring pull with retractable hose

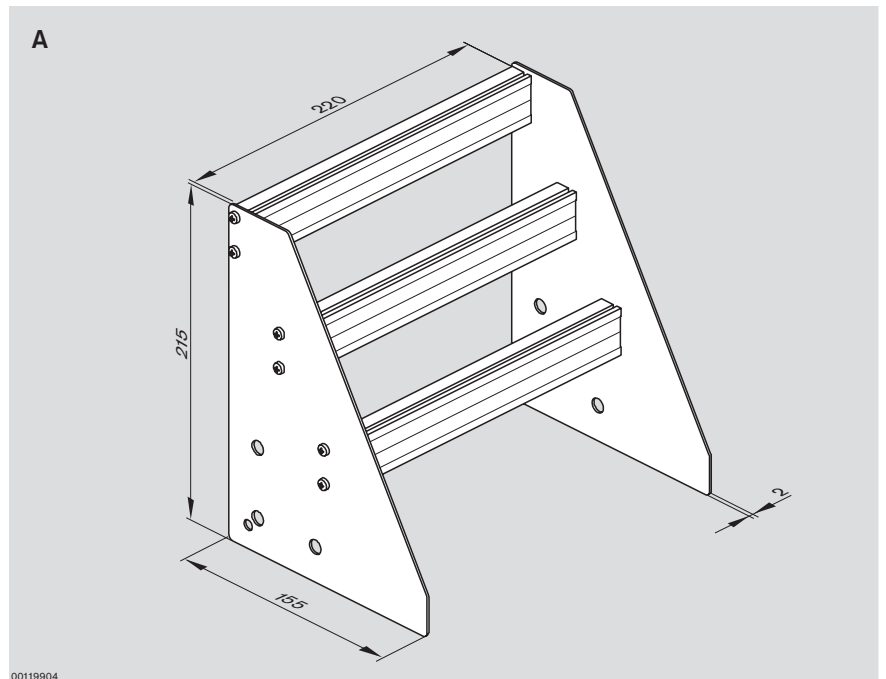
Load [kg]	System weight [kg]	Retractable cable length [mm]	Material no.
1.2 – 2.5	1.4	1350	3 842 520 056

Optimum positioning of tools

Tool shelves



The tool shelf promotes orderliness and ensures rapid access to tools. 9 tool holders **B**, **C**, **D** can be suspended in the tool shelf **A**.



Tool shelf

	Material no.
A	 3 842 514 519

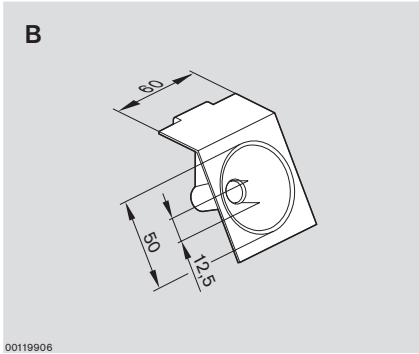
Optimum positioning of tools

Tool holders



Holder, e.g. for screwdrivers.

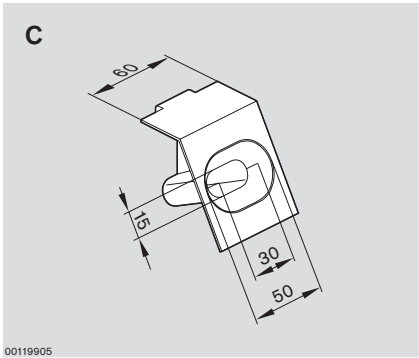
Material: PP. Color: black



Material no.	
B	 3 842 514 522

Holder, e.g. for pliers.

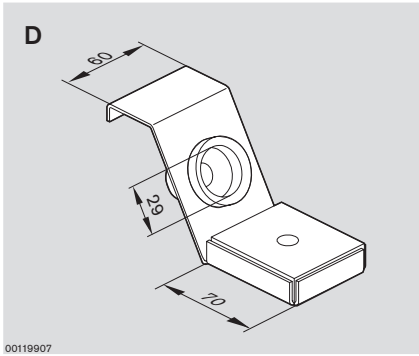
Material: PP. Color: black



Material no.	
C	 3 842 514 523

Holder, e.g. for soldering irons.

Material: VA



Material no.	
D	 3 842 514 524

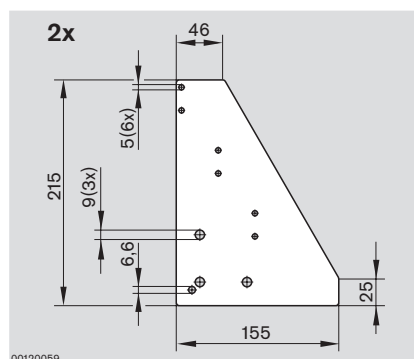
Optimum positioning of tools

Assembly elements for tool shelves



Side plate used for a self-built tool shelf.

Material: aluminum. Color: natural.



Side plate

	Material no.
Set	3 842 514 639

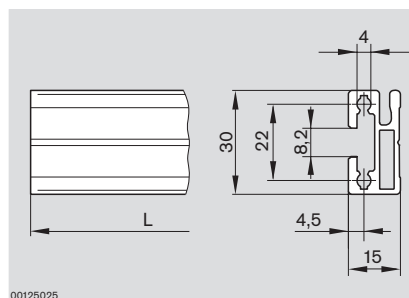
The suspension profile is fastened to the side plates with 4 self-tapping screws.

Material: aluminum. Color: natural.

Required accessories:

screws DIN 7981/

DIN ISO 7049 - St. 4.8x13-C-H2



Suspension profile, anodized

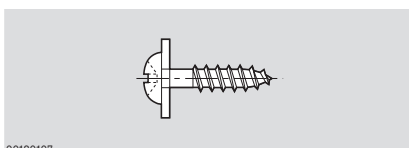
LE	Material no.
1	3 842 993 411
	30 mm ≤ L ≤ 3000 mm

LE	Material no.
10	3 842 537 679
	L = 3000 mm

Suspension profile, chromated

LE	Material no.
1	3 842 993 359
	30 mm ≤ L ≤ 3000 mm

LE	Material no.
10	3 842 537 681
	L = 3000 mm



	Material no.
100	3 842 535 939



Optimum positioning of tools

Workstation accessories

Workstation accessories

Cabinets	  2-77
Armrests	  2-80
Holders	  2-82
Computer monitor supporting arms	  2-84
Components for ESD applications	  2-86

Workstation accessories

Workstation accessories

Workstation accessories create a functional workstation layout and can be used at any station, increasing the efficiency of your workers. They provide defined storage spaces, support work processes, and ensure optimum transparency and ergonomics.



00120960



00120971



00120933



00120963



00120940



00120939



00120965



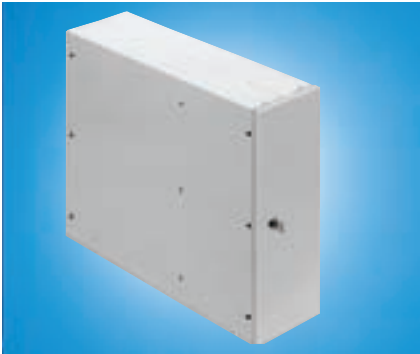
00120959

Workstation accessories

Cabinets

Storage cabinet for work materials.
Suitable for all Rexroth standard
workstations with frame depths of up to
T1=595 mm. Can be installed either on
the left (A) or right (B). Lockable door.

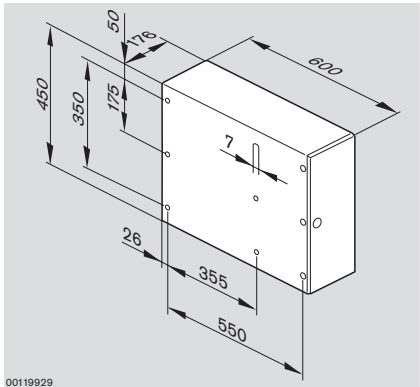
Material: sheet steel. Color: light gray RAL
7035. Incl. drilling template. We recommend
M6 T-nuts, M6x14 DIN 912 screws, and DIN
125 washers to attach to the aluminum profile
(10 mm groove) on the work table.



00120928



00120929



00119929

Cabinets

	Material no.
A	3 842 028 621
B	3 842 028 620

M6 T-nut

	Material no.
100	3 842 530 285

Workstation accessories

Drawer cabinets



Drawer cabinets (A, B) can be screw-mounted onto the Rexroth workstation below the table top. Containers (C, D) can be set up next to the workstation. Using rollers (F) the container can be easily moved. Cover (E) closes the container at the top. Drawer inserts (G, H, I) help bring order to your equipment. All drawers can be locked centrally.

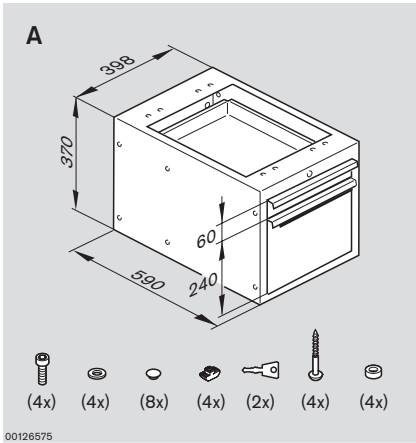
Color: light gray RAL 7035. ESD version color: dusty gray RAL 7037
Scope of delivery includes fastening kit, drilling template.



00120970



00120971

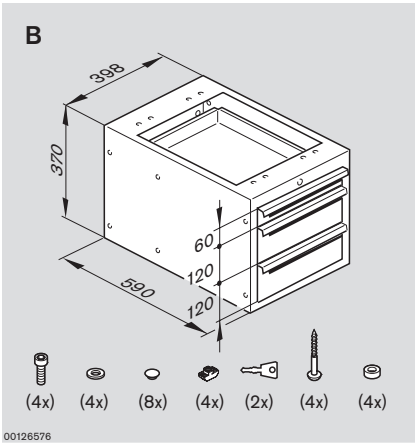


00126575

Drawer cabinets


	Material no.
A	3 842 513 491

Load per drawer: 350 N



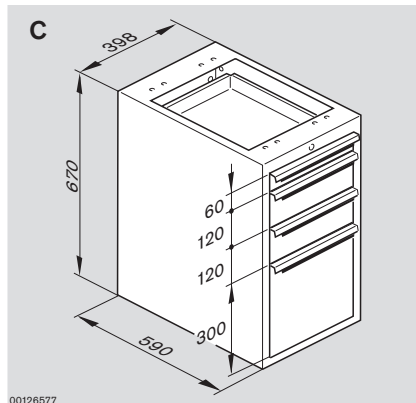
00126576

Drawer cabinets

	Material no.
B	3 842 513 492
	 3 842 516 701

Load per drawer: 350 N

Workstation accessories



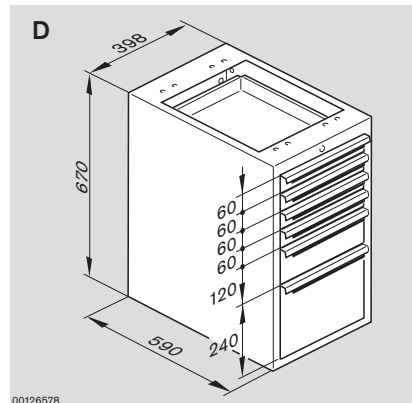
Containers



Material no

C 3 842 513 493

Load per drawer: 350 N



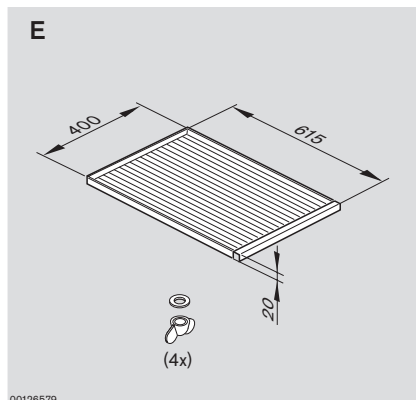
Containers



Material no

D 3 842 513 494

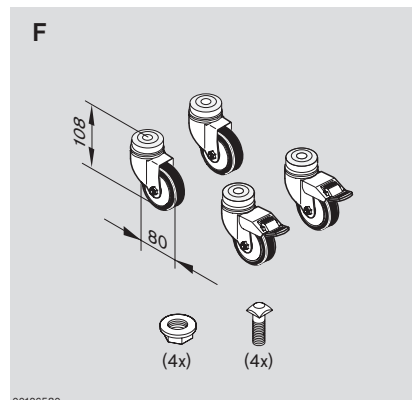
Load per drawer: 350 N



Cover



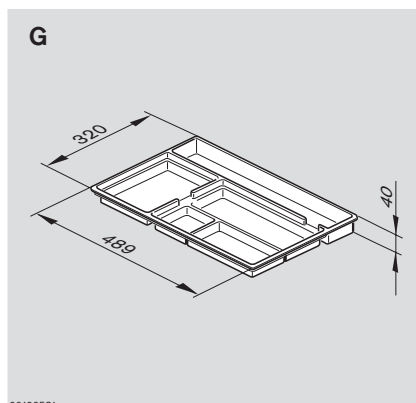
Material no

E 3 842 513 493

Rollers

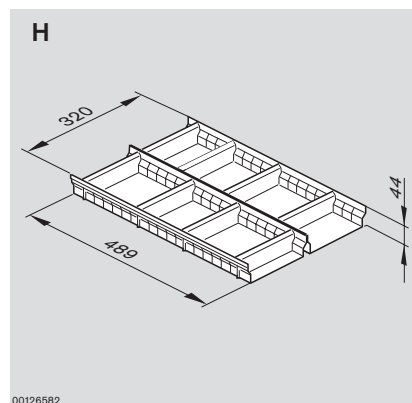


Material no

F Set 3 842 513 490

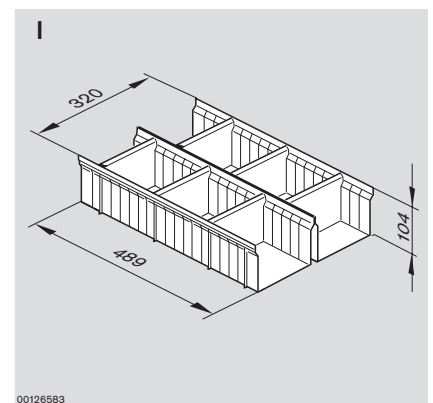
Drawer inserts

Material no

G 3 842 513 495

Drawer inserts

Material no

H 3 842 513 496

Drawer inserts

Material no

I 3 842 513 497

Workstation accessories

Armrests



Soft support pads protect wrists and arms.

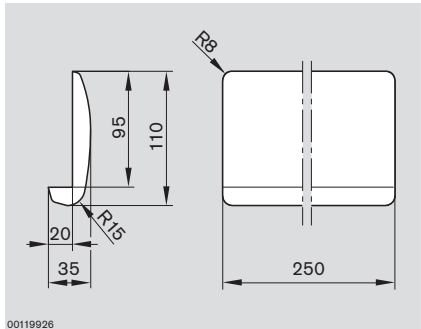
Material: flexible polyurethane foam.
Color: black.
We recommend using double-sided adhesive tape to attach to the workstation.



00120930



00120932



The adjustable armrest takes strain off the arms. Suitable for all Rexroth box-type assembly workstations.

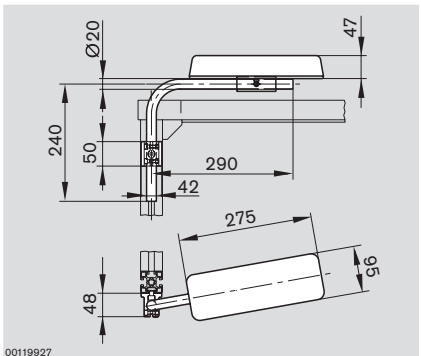
Pad material: flexible polyurethane foam.
Color: black. Incl. fastening kit.




00120931



00120933



00119927

Armrest	Material no.
	3 842 191 186
	 3 842 516 704

Adjustable armrest	Material no.
	3 842 191 178

Workstation accessories

Hinges allow precisely controlled movements.

Pad material: leather. Color: white/ESD version color: black.

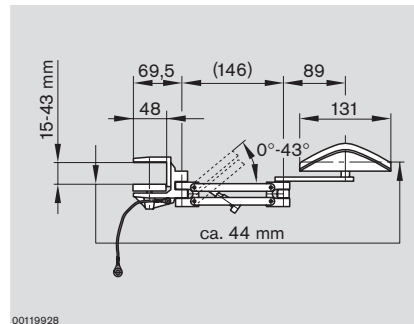
Incl. clamp attachment used to fasten to a table top.



00120934



00120935



00119928

Armrest with pad

Material no.

3 842 515 493

⚠ 3 842 515 525

Workstation accessories

Holders



Cup holder

Material: plastic. Color: black.
We recommend using M5 T-nuts to attach to the strut profile.



00120936



00120963

Cup holder

Material no.
3 842 513 722

M5 T-nut

 Material no.
1003 842 530 283

The bottle holder accommodates bottles and rectangular drink cartons.

Material: plastic coated steel wire, color: light gray RAL 7035.
We recommend using M5 T-nuts to attach to the strut profile.



00120937

Bottle holder

Material no.
 3 842 538 314

M6 T-nut

 Material no.
1003 842 530 285

Workstation accessories

The cloth holder provides a handy place to keep cleaning cloths.

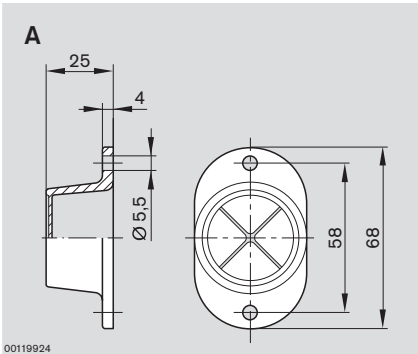
Material: plastic. Color: black. We recommend using two M5 T-nuts to attach the type A cloth holder to the strut profile. A molded-on T-nut is used to mount the type B holder directly onto the strut profile.



00121037



00121036



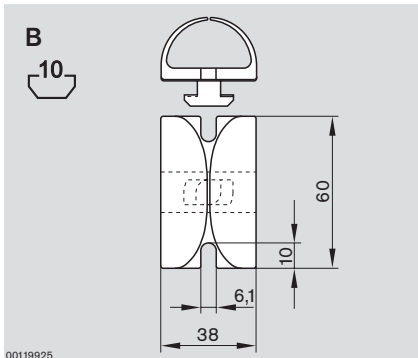
00119924

Cloth holder

	Material no.
A	1 845 719 000

M5 T-nut

	Material no.
100	3 842 530 283



00119925

Cloth holder

	Material no.
B	3 842 530 306

Workstation accessories

Computer monitor supporting arms

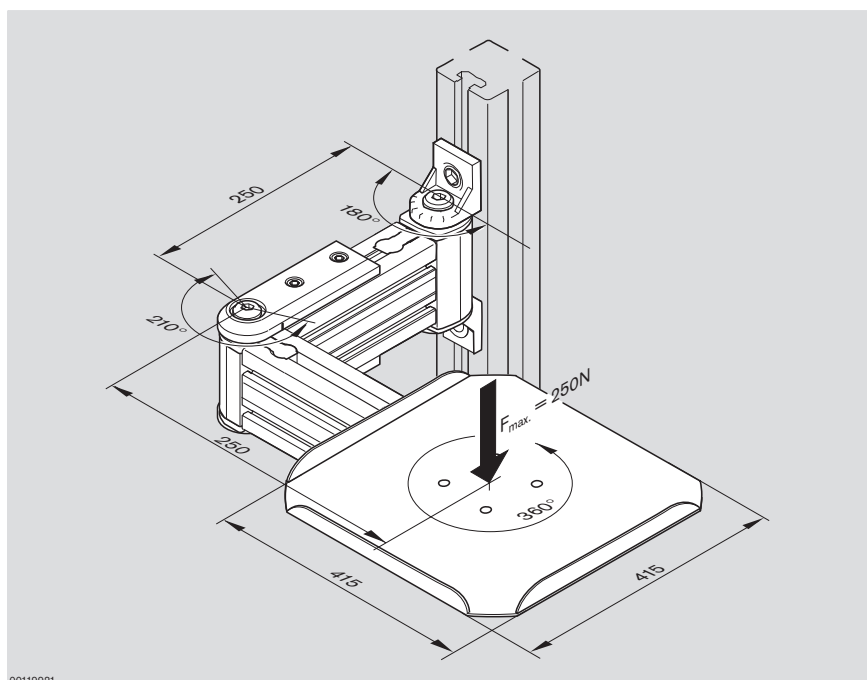


The multi-hinged computer monitor supporting arm frees up valuable additional space at the workstation.

Incl. fastening kit.



00120965



00119921

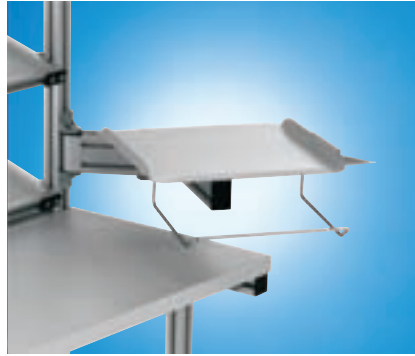
Computer monitor supporting arm

Material no.

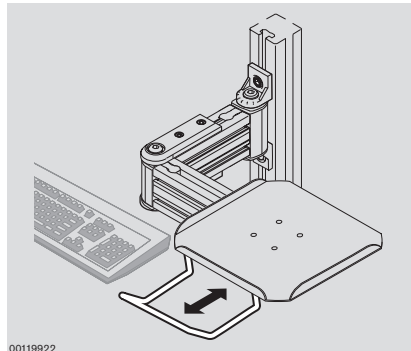
3 842 521 970

Workstation accessories

Pull-out keyboard shelf to suspend on the monitor supporting arm.



00120883

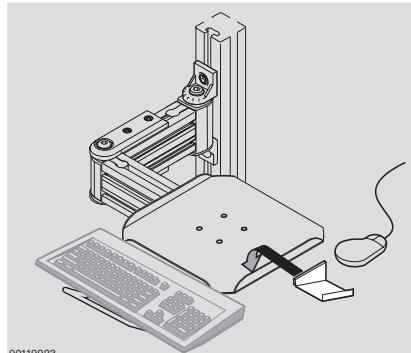


00119922

Keyboard shelf

Material no.
3 842 522 305

Mouse holder to suspend on the monitor supporting arm.



00119923

Mouse holder

Material no.
3 842 522 130

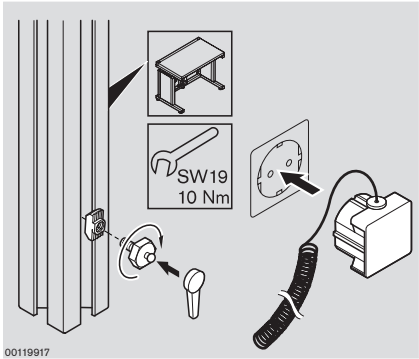
Workstation accessories

Components for ESD applications



Set of grounding components for defined grounding of ESD workstations and protection of ESD-sensitive components.
Conduction resistance $R_A = 1 \times 10^6 \Omega$ (DIN EN 61 340-5-1).

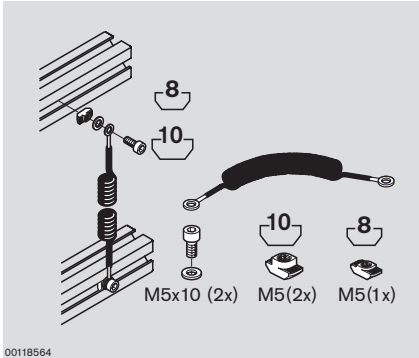
Incl. fastening kit.



00119917

Grounding cable to create defined conductive paths between strut profiles to protect ESD-sensitive components.

Incl. fastening kit.

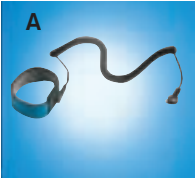


00118564

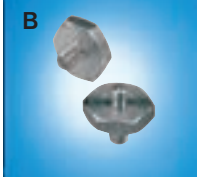
Wrist band (A) with connection piece (B) for defined grounding of people and protection of ESD-sensitive components.
We recommend using M6 T-nuts to attach to the strut profile.



00120940



00120941



00120942

Material no.
3 842 522 087

Material no.
3 842 519 465

Wrist band (A), connection piece (B)

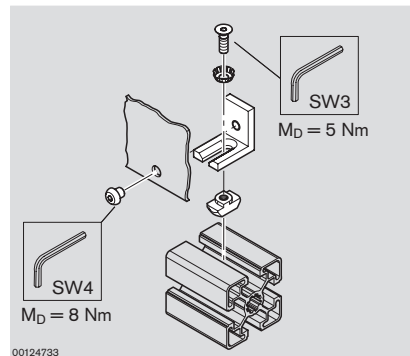
	Material no.
A	3 842 516 908
B	10 3 842 516 905

M6 T-nut

Material no.
100 3 842 530 285

Workstation accessories

Potentialfix for defined grounding of surface elements such as e.g. side panels.



Potentialfix

Material no.

3 842 536 320

Conductive mat insert to protect ESD-sensitive components.

ESD mat inserts according to your specifications; available in various sizes as modifications from Rexroth (maximum size: 1220 x 12000 mm).

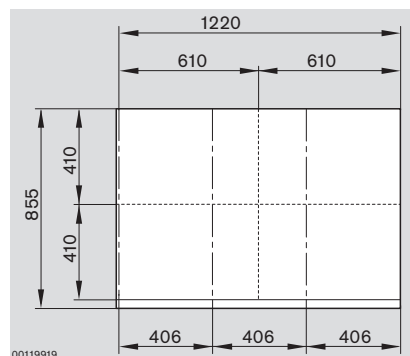
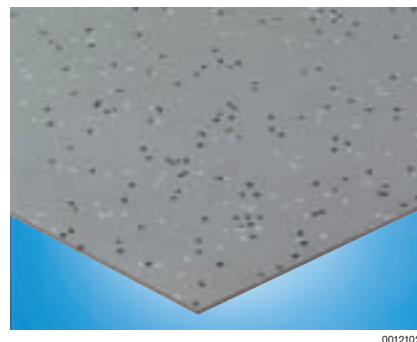
To create safe and conductive connections, we recommend using adhesive copper tape to fasten to material shelves and trolleys.

Conduction resistance

$R_A = 1 \times 10^6 - 1 \times 10^9 \Omega$ according to DIN EN 61 340-5-1.

Material: rubber, easy to cut to size.

Thickness: 2 mm



ESD mat insert

Material no.

1220 mm x 855 mm 3 842 522 012

E-Mail: mps.rexroth@boschrexroth.de

Tel.: +49 (0)711/811-30698

Fax: +49 (0)711/811-30364

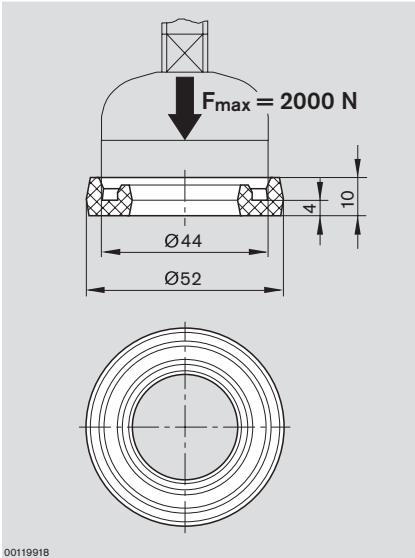
Workstation accessories

Damping rings

Damping rings insulate frames against conductive floors, protect floors and prevent vibrations from being transmitted.

Material: PUR, resistant to mineral oil and organic solvents. Color: natural.

Shore hardness A: 70-80.



Damping rings

		Material no.
	20	3 842 521 817

Swivel work chairs

Swivel work chairs

Basic	 2-94
Dynamic-PU	 2-95
Dynamic-Textil	 2-96
Dynamic-ESD	 2-97
Dynamic-Clean	 2-98
Accessories	 2-99

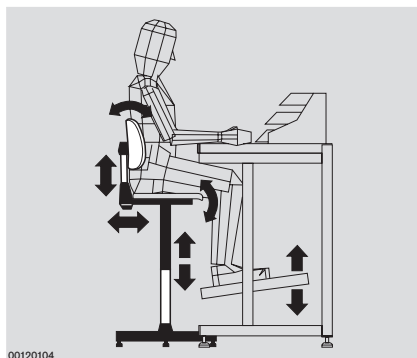
Swivel work chairs

Swivel work chairs

Factory doctors and ergonomic specialists were included in the development stages of the swivel work chair program with the goal of promoting health and productivity. When designing backrest, seat and height adjustment ranges, a large variety of production environments were considered, as well as the demand for low-stress, dynamic seating. All swivel work chairs offer first-class seating comfort and meet all safety-related and ergonomic requirements as defined by DIN 68 877.



00127205













00120104

Can be adjusted to users and tasks thanks to a large number of adjustment options.

Swivel work chairs

Product advantages

	Height adjustment with pneumatic safety spring
	Backrest angle and height adjustment
	Permanent contact backrest and seat angle adjustment
	Synchronous technology with weight regulation incl. permanent contact backrest and seat angle adjustment
	Easy-to-clean seat and backrest upholstery
	Conductive materials according to DIN EN 61 340-5-1, suitable for ESD-sensitive areas
	Suitable for cleanrooms according to DIN ISO 14 644-1
	Braked double rollers for hard floors according to DIN 68 131
	Sliders for stability in chairs with foot support
	Height-adjustable foot support, retractable

Swivel work chairs

Swivel work chairs

All Rexroth swivel work chairs have the described adjustment options and permit ergonomic adaptation of the workstation situation to the worker. The individual functions of the swivel work chairs are described under the respective chair models.

Form-fitting seat and backrest design:

The seat and backrest are anatomically formed and promote proper posture. The permanent contact backrest adapts itself to the upper body movements of the user, thus supporting the back in every position. It can also be locked in every position, as needed. Due to anti-shock regulation, jerky backrest movements are avoided when the lock is released.

Backrest adjustment:

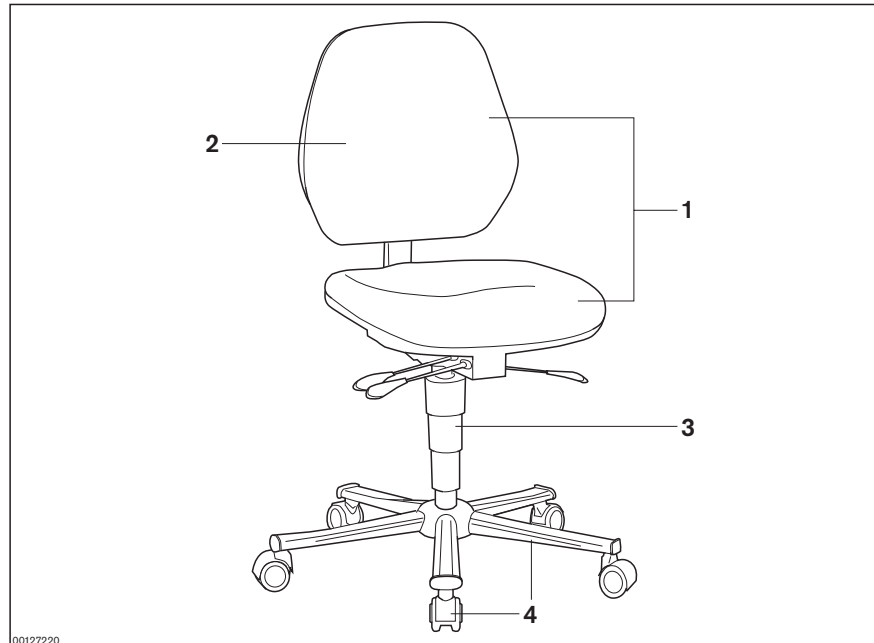
Enables individual adjustment of the lumbar support to the respective body size and optimum support point.

Seat height adjustment:

The seat height can be individually adjusted to the respective body size and workstation situation using an operating lever with pneumatic spring height adjustment.

Stable base:

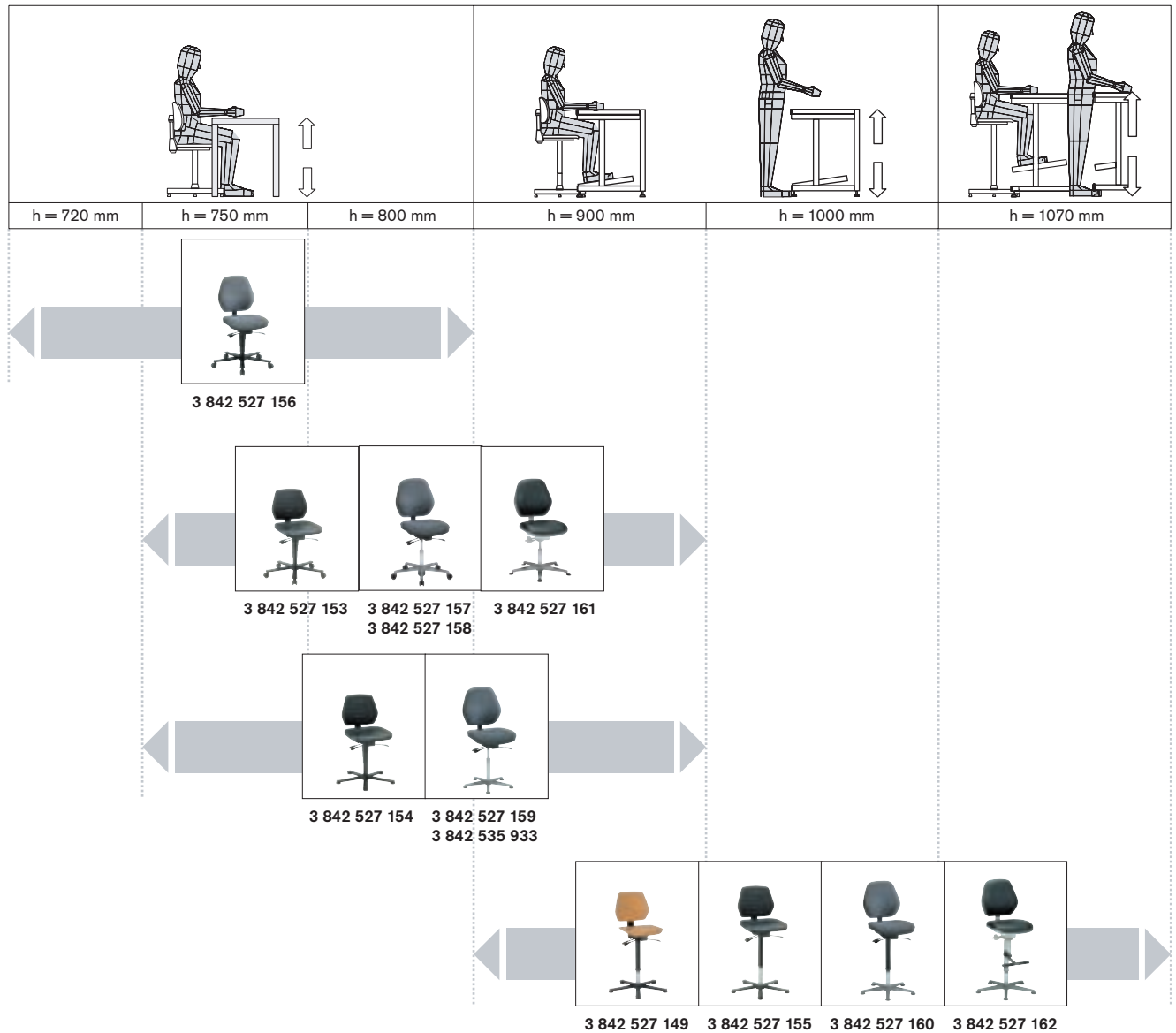
The five-foot base cannot tip over. Flat outbound foot ends reduce the risk of stumbling.



- 1 Form-fitting seat and backrest design
- 2 Backrest adjustment
- 3 Seat height adjustment
- 4 Stable base with rollers or sliders

Swivel work chairs

Ordering guide



Swivel work chairs

Basic



Swivel work chair Basic
Adjustment options as described on
page 2-92.

Star chair base material: powder-coated steel.
Color: black.
Seat and backrest material: plywood, glued,
7 layers. Color: clear varnished.
Accessories: circular footrest, (🔧 2-99)



00105087



[mm]		Material no.
555 - 855		3 842 527 149 *)

*) According to DIN 68 877, a work chair whose seat height is adjustable above 650 mm must be equipped with a circular footrest. Circular footrest (🔧 2-99), can be installed only during chair assembly.

Swivel work chairs

Dynamic-PU



Swivel work chair Dynamic-PU

Adjustment options as described on page 2-92.

Additionally with this model:

- Seat angle adjustment supports an optimum, open sitting posture even when bending forward.
- Pneumatic spring cover to protect against dust and other outside influences.
- Seat and backrest made of soft PU foam. Washable, sturdy, and resistant to slightly acidic and caustic materials. With a burled surface for ventilation.

Seat and backrest color: black

Star chair base material: powder coated steel,
Color: black.

Accessories: foot support, circular footrest,
safety armrests (☞ 2-99)



00105092



[mm]

Material no.

460 - 640



3 842 527 154

480 - 650



3 842 527 153

590 - 860



3 842 527 155 *)

*) According to DIN 68 877, a work chair whose seat height is adjustable above 650 mm must be equipped with a foot support.

Swivel work chairs

Dynamic-Textil



Swivel work chair Dynamic-Textil
Adjustment options as described on
page 2-92.

- Additionally with this model:
- Seat angle adjustment supports an optimum, open sitting posture even when bending forward.
 - Pneumatic spring cover to protect against dust and other outside influences.
 - Seat and backrest made of foam. Breathable polyacrylic cover.

Fabric color: charcoal gray
Star chair base material: powder-coated steel.
Color: black.
Accessories: safety armrests (🔧 2-106)



00105094



[mm]		Material no.
490 - 650		3 842 535 933
425 - 555		3 842 527 156
475 - 620		3 842 527 157

Swivel work chairs

Dynamic-ESD



Swivel work chair Dynamic-ESD
Adjustment options as described on
page 2-92.

Additionally with this model:

- Seat angle adjustment supports an optimum, open sitting posture even when bending forward.
- ESD protection with volume-conductive plastics and conductive comfort cushion. Five volume-conductive rollers or sliders.
- Seat and backrest made of foam. Breathable polyacrylic cover with copper threads

Conduction resistance: $10^6 \Omega$

Fabric color: charcoal gray

Star chair base material: aluminum, polished mirrored finish.

Accessories: foot support (☞ 2-99)



00105097



[mm]

Material no.

475 - 625



☛ 3 842 527 159

480 - 620



☛ 3 842 527 158

630 - 880



☛ 3 842 527 160 *)

*) According to DIN 68 877, a work chair whose seat height is adjustable above 650 mm must be equipped with a foot support.

Swivel work chairs

Dynamic-Clean





Swivel work chair Dynamic-Clean, suitable for cleanroom use at class 4 according to DIN ISO 14 644–1. Adjustment options as described on page 2-92. Additionally with this model:


- Seat angle adjustment supports an optimum, open sitting posture even when bending forward.
- ESD protection with volume-conductive plastics and conductive comfort cushion. Five volume-conductive rollers or sliders.
- Integrated synchronization enables uniform movement of the seat and backrest and thus permanently adapts itself to the individual posture of the user. Integrated weight regulation enables individual adjustment of the backrest resistance.
- Seat and backrest made of soft, non-slip, conductive artificial leather.

Conduction resistance: 10⁶ Ω
Backrest and seat color: charcoal gray
Star chair base material: aluminum, polished mirrored finish.
Accessories: foot support (📄 2-99)



[mm]		Material no.
505 - 645		⚠ 3 842 527 161
655 - 910		⚠ 3 842 527 162 *)

*) Version with height-adjustable foot support.



Fraunhofer
TESTED
DEVICE
Bosch Scharnier 3842524781
Report No. BO 9903-159

Swivel work chairs

Accessories



A retractable foot support can be installed later. Suitable for all high versions of Dynamic, Dynamic-PU, Dynamic-ESD.

Material: powder-coated steel. Color: black.

B Circular footrest, for all chairs, can be installed only during chair assembly.

Material: steel, chrome.


C Safety armrests (set of 2 armrests) for swivel work chairs, Dynamic-PU, Dynamic-Textil.

Material: PP. Color: black.

Scope of delivery: 2 armrests



00105104

Material no.	
A	3 842 527 164 *)
	 3 842 536 905 *)



00105102

Material no.	
B	3 842 527 165 *)



00105101

Material no.	
C	Set 3 842 527 166

*) According to DIN 68 877, a work chair whose seat height is adjustable above 650 mm must be equipped with a foot support.

Swivel work chairs

Material supply

Flow rack systems and material supply

Custom flow rack systems	 3-4
Modules	 3-16
Individual components	 3-38
Grab containers	 3-63
Case lifters	 3-77

Material supply

Flow rack systems and material supply

Rexroth flow rack systems offer a wide range of options for storing and supplying materials and containers.

Regardless of segment: whether commerce, trade or industry – the system's benefits yield results everywhere:

- Economical for every situation: various conveyor tracks and a wide selection of rollers meet a variety of needs.
- Universal deployment: customer-specified equipment and dimensions (MPScalc).
- Adaptable and future-proof: easy conversion and expansion.
- Clear design: intelligent details such as colored rollers in the conveyor tracks (kanban).
- Efficient processes: by incorporating the FiFo principle.

The flow rack systems can be used as a supermarket shelf at a central point or to directly supply containers at the workstation.

Most customer demands can be easily and quickly fulfilled by configuring a complete flow rack. Absolute flexibility during the design phase for your flow rack is ensured through the use of modules and individual components.

Additionally, Rexroth offers a comprehensive and complete program for material supply in production and at workstations:

- Small parts are ergonomically supplied in the work area using grab containers.
- Large and heavy containers are positioned at the optimum grab height using case lifters.



00120862



00121482



00121004



00127270



00129984

Material supply

Flow rack systems

Custom flow rack systems	 3-4
Modules for all flow rack systems	 3-16
Modules XLean	 3-22
Modules Lean	 3-24
Modules EcoFlow	 3-35
Individual components for all flow rack systems	 3-38
Individual components XLean	 3-46
Individual components Lean	 3-50
Individual components EcoFlow	 3-58

Material supply

Custom flow rack systems

You can select between three types of custom flow rack systems from Rexroth.

The flow rack system XLean consists of a steel profile and rollers with or without a roller flange. This flow rack system is particularly cost-effective.

The flow rack system Lean is characterized by great flexibility and versatility, allowing you to stay in control of products and inventories. Red, yellow and green rollers provide visual indicators for timely replenishment, while also preventing surplus line-side inventory.

The flow rack system EcoFlow has universal rollers with variable widths. This makes EcoFlow ideal for heavy loads and workpiece pallets as well as for transporting materials in blister packs, wash frames, and cardboard boxes.

All flow rack systems are available in an ESD-conductive version.

The flow rack systems and modules can be individually adapted to your requirements by selecting suitable parameters. Parameters are explained in more detail in the following. We recommend using the MPSCalc calculation and planning software (www.boschrexroth.com/mps) to select the parameters and order flow rack systems and modules. You can also put your flow rack together from individual modules. To do this, select the required modules (☞ 3-16) and components (☞ 3-38) from our comprehensive program. Also note the "Guidelines for Storage Systems and Equipment" from the employer liability insurer for precision and electrical engineering.



Conveyor track XLean

00121055



Flow rack system XLean

00127214



Conveyor track Lean

00121018



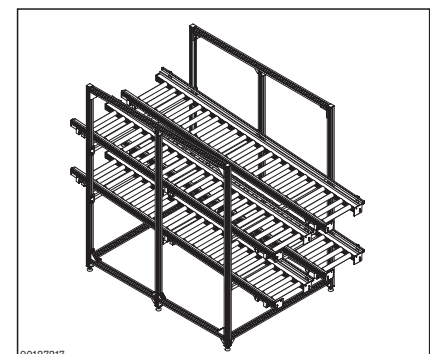
Flow rack system Lean

00120898



Conveyor track EcoFlow

00127279



Flow rack system EcoFlow

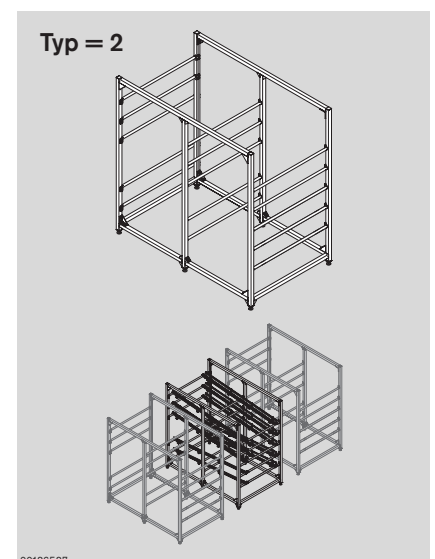
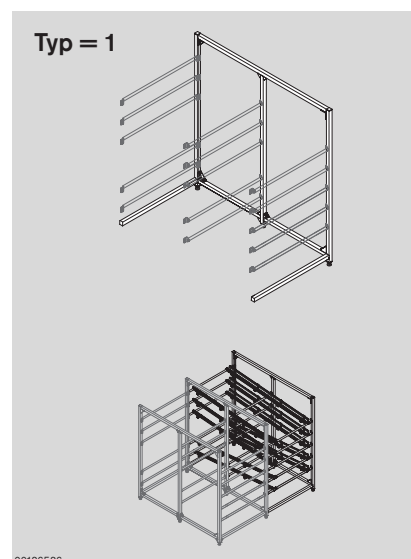
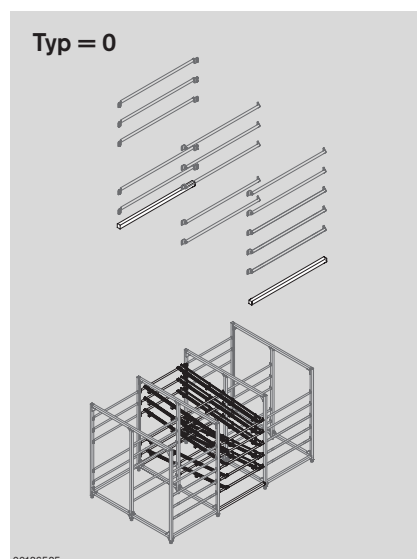
00127217

Material supply

Custom flow rack systems: parameters

All the parameters will be explained on the following pages and special features pointed out. Order tables for XLean (☞ 3-10), Lean (☞ 3-12), and EcoFlow (☞ 3-14) are included. The following parameters describe the basic information on the function and scope of delivery for the flow rack system.

- A** **A** = ... (0, 1)
Version: the flow rack system is available fully assembled (**A** = 1) or as a pre-assembled kit with assembly instructions (**A** = 0).
- ESD** **ESD** = ... (0, 1)
ESD conductivity: If you select (**ESD** = 1), the flow rack system will be ESD-conductive.
- Typ** **Typ** = ... (0, 1, 2)
Number of side elements.
(**Typ** = 0) Without side elements. If you would like to connect two existing flow racks with cross ties.
(**Typ** = 1) With one side element. If you would like to directly mount a flow rack onto an existing flow rack.
(**Typ** = 2) With two side elements. If you require a detached flow rack.
Parameter (**Typ** = 0, 1) can only be selected if (**A** = 0). If (**A** = 1), (**Typ** = 2) must be selected.
- LV** **LV** = ... (1, 2) for XLean and Lean
Load version: The load version affects the permissible overall load of the flow rack system. The flow rack system EcoFlow has been designed for (**LV** = 2).
(**LV** = 1) Standard, max. overall load = 400 kg.
(**LV** = 2) Reinforced, max. overall load = 2000 kg.
If using casters, the maximum overall load is dependent on the number of casters (max. overall load = number of rollers x 80 kg x 3/4).

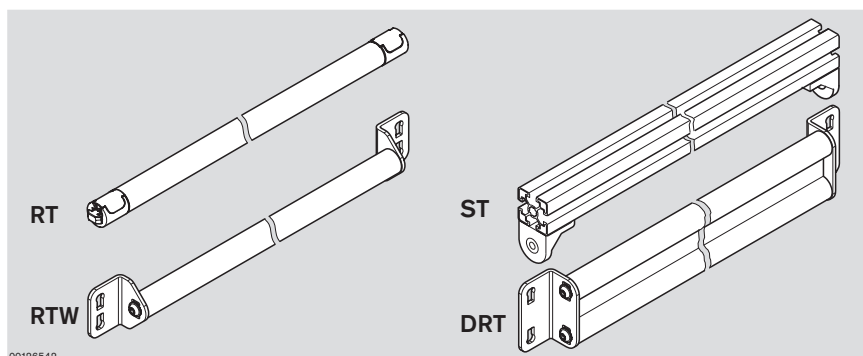
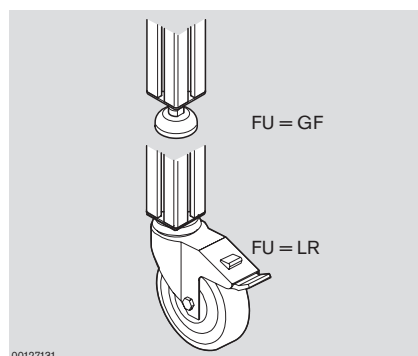
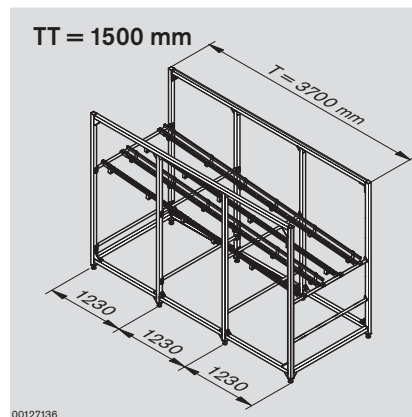
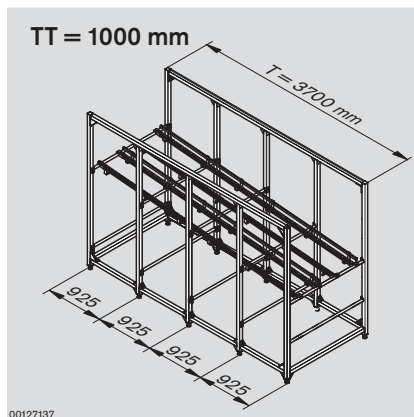
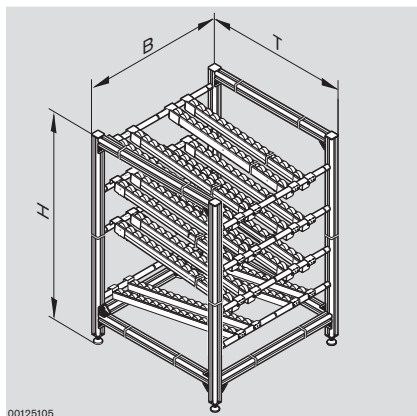


(☞ 6-8)

Material supply

The following parameters describe the basic construction of the flow rack system.

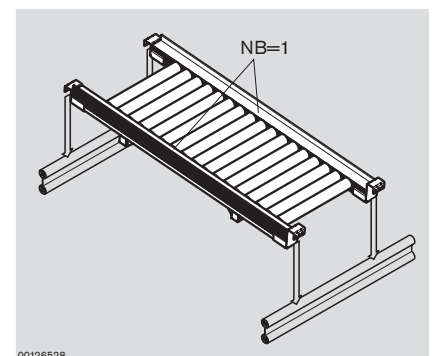
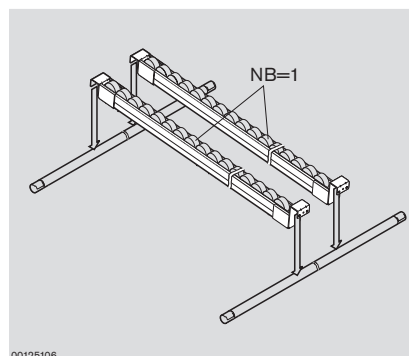
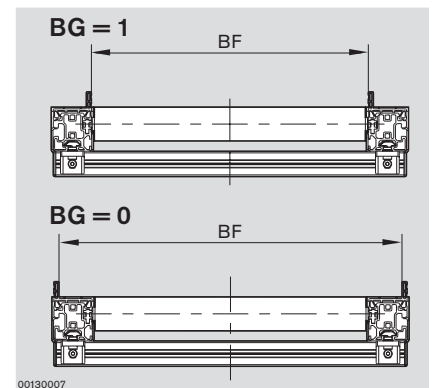
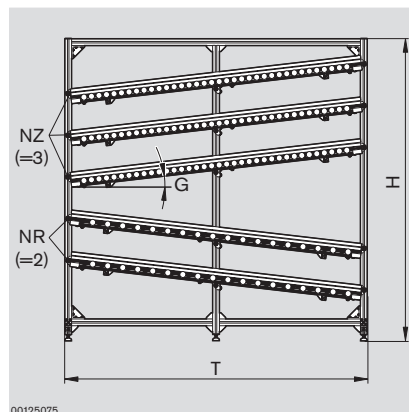
- B** B = ... (400–1500) mm with XLean and Lean
B = ... (400–1000) mm with EcoFlow
Flow rack system width (outer dimensions).
- H** H = ... (600–2000) mm
Flow rack system height.
- T** T = ... (400–6000) mm
Flow rack system depth. The flow rack system with $T+UV+UH > 3000$ mm is only available as a kit ($A = 0$). The flow rack system XLean with conveyor tracks ($NB \neq 0$) is only available up to a maximum depth of $T = 4500$ mm.
- TT** TT = ... (1000, 1500) mm with Lean and EcoFlow
Division of flow rack depth: The flow rack system XLean has a fixed division ($TT = 1000$ mm). The division indicates the maximum distance between the cross ties. They are mounted at uniform distances.
- FU** FU = ... (GF, LR)
Foot design: The flow rack systems are equipped with either leveling feet ($FU = GF$) or casters ($FU = LR$). ($FU = LR$) is only available if ($UV = 0$) and ($UH = 0$).
- PT** PT = ... (RT, RTW, ST, DRT)
Cross tie type: The following cross ties are available for installing conveyor tracks: tubular cross tie (RT), tubular cross tie with corner bracket (RTW), profile cross tie (ST), double tubular cross tie (DRT).



Material supply

The following parameters determine the number of levels and conveyor tracks in the flow rack system.

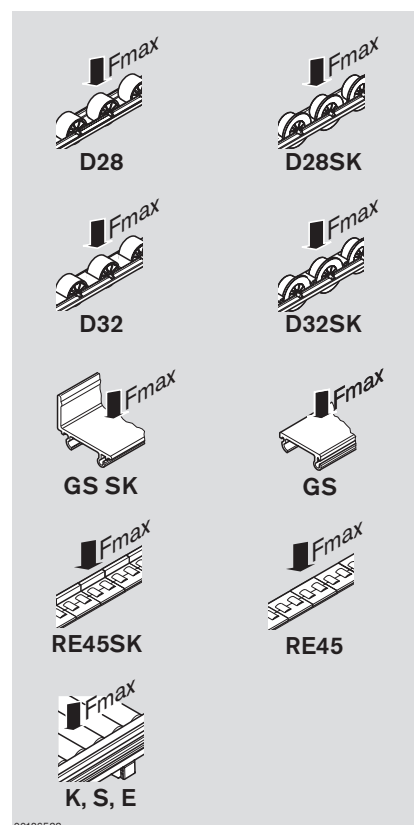
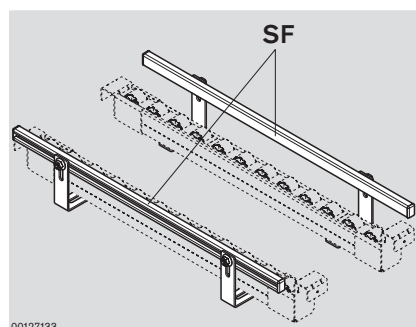
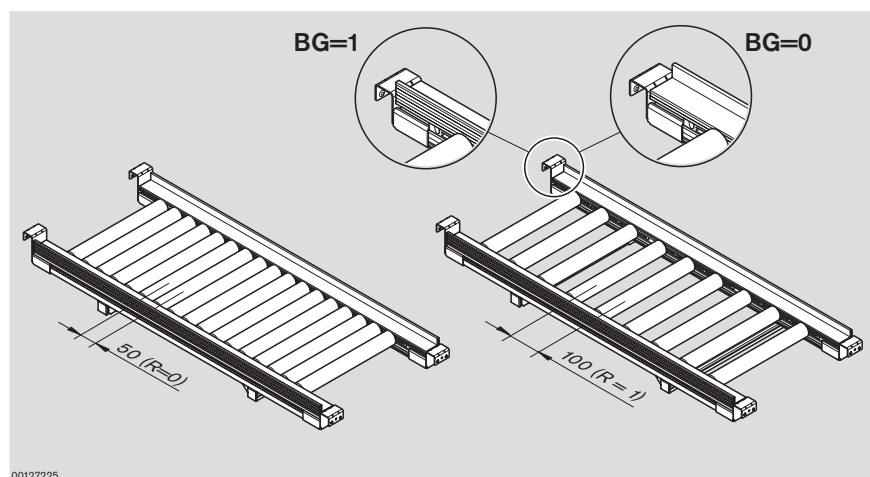
- NZ** NZ = ... (1–8)
Number of supply levels: Number of levels for container supply.
 $NZ + NR = 8$
- NR** NR = ... (0–7)
Number of return levels. $NZ + NR = 8$
- G** G = ... (0–10) %
Rexroth recommends a gradient of $G=6\%$. Gradient G determines the length of the conveyor track.
- NB** NB = ... (0–64) with XLean and Lean
NB = ... (0–20) with EcoFlow
Number of conveyor tracks: In flow rack systems XLean and Lean, the conveyor track consists of two conveyor sections (1x right, 1x left).
- BF** BF = ... (200–892) mm with EcoFlow and FM = S, E
BF = ... (200–600) mm with EcoFlow and FM = K
Conveyor track width.



Material supply

The following parameters determine the constructional design of the conveyor tracks.

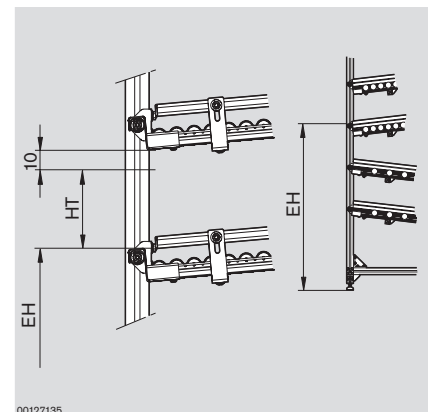
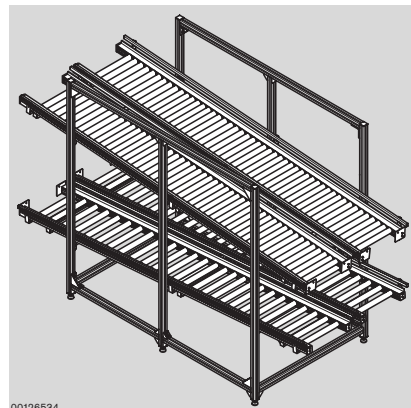
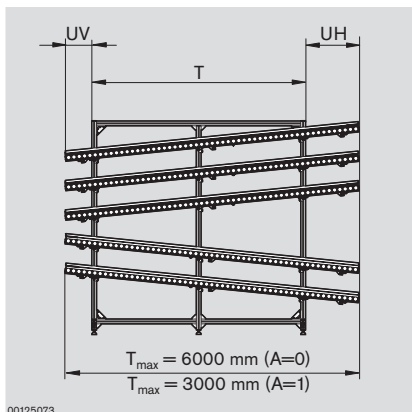
- FM** FM = ... (D28, D28SK) with XLean
 FM = ... (GS, GSSK, D32/37,5, D32/50, D32SK/50, RE45, RE45SK) with Lean
 FM = ... (K, S, E) with EcoFlow
 Conveyor medium: Slide rails (GS), roller elements (RE45), rollers with 28 mm and 32 mm diameters with and without roller flange, as well as EcoFlow rollers in plastic (K), steel (S), and stainless steel (E) are available as conveyor media.
- R** R = ... (0, 1) with EcoFlow
 Roller distance: If (R = 0), the rollers have an axle distance of 50 mm. If (R = 1), the rollers have an axle distance of 100 mm.
- SF** SF = ... (0, 1)
 Lateral guide: A lateral guide can be optionally selected (SF = 1). (SF = 0) means that no lateral guide has been selected. The lateral guide is only available in the flow rack system EcoFlow if (BG = 0).
- BG** BG = ... (0, 1) with EcoFlow
 Slide rail border: A border for the slide rails can be selected for the inside or outside. If (BG = 0), the border is on the outside of the slide rails, if (BG = 1), the border is on the inside of the slide rails. (BG = 1) can only be selected if (UV ≠ 0).



Material supply

The following parameters determine the conveyor track projection, as well as their distances to each other.

- F** $F = \dots (0, 1, 2, 3)$ with Lean
 Roller color: The following roller colors are available: black ($F = 0$), red ($F = 1$), yellow ($F = 2$), and green ($F = 3$). If ($ESD = 1$), only black ($F = 0$) rollers may be selected.
- UV** $UV = \dots (0, 50-1000)$ mm with Lean and EcoFlow
 Front conveyor track projection: If ($UV \neq 0$) is selected, the flow rack must be screwed down to the floor.
 The overall depth of the flow rack system, incl. projection, is max. $T = 6000$ mm for ($A = 0$) and max. $T = 3000$ mm for ($A = 1$). If $UV \geq 50$, then $UH \geq 50$ and vice versa.
- UH** $UH = \dots (0, 50-1000)$ mm with Lean and EcoFlow
 Rear conveyor track projection: if ($UH \neq 0$) is selected, the flow rack must be screwed down to the floor.
 The overall depth of the flow rack system, incl. projection, is max. $T = 6000$ mm for ($A = 0$) and max. $T = 3000$ mm for ($A = 1$). If $UV \geq 50$, then $UH \geq 50$ and vice versa.
- HT** $HT = \dots (100-1200)$ mm
 Transportation height: The transportation height is determined by the height of the containers.
 Rexroth recommends $HT = \text{container height} + \text{at least } 200 \text{ mm}$.
 Specification of HT is necessary only if ($A = 1$).
- EH** $EH = \dots (263-1800)$ mm if ($FU = GF$), ($PT = RT$), ($UV = UH = 0$)
 $EH = \dots (380-1800)$ mm if ($FU = LR$), ($PT = RT$), ($UV = UH = 0$)
 Removal height of the lowest supply level: The removal height of the lowest supply level must be selected so that the containers can be lifted ergonomically.
 When assembling the flow rack system, all subsequent levels are installed at a distance to HT starting from the removal height of the lowest supply.



Material supply

Custom flow rack systems XLean



The flow rack system XLean is the cost-effective alternative for material supply in a supermarket or on the production line. The flow rack system is available in an ESD-conductive version (ESD = 1).

If the configuration of the flow rack parameters are unusual (e.g. large height, few levels, max. load) or there are high forces transverse to the direction of transport of the conveyor levels, Rexroth recommends anchoring the flow rack frame to the floor or reinforcing it (☞ 3-19).



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You can put your flow rack system together using the following parameters.

Flow rack system XLean

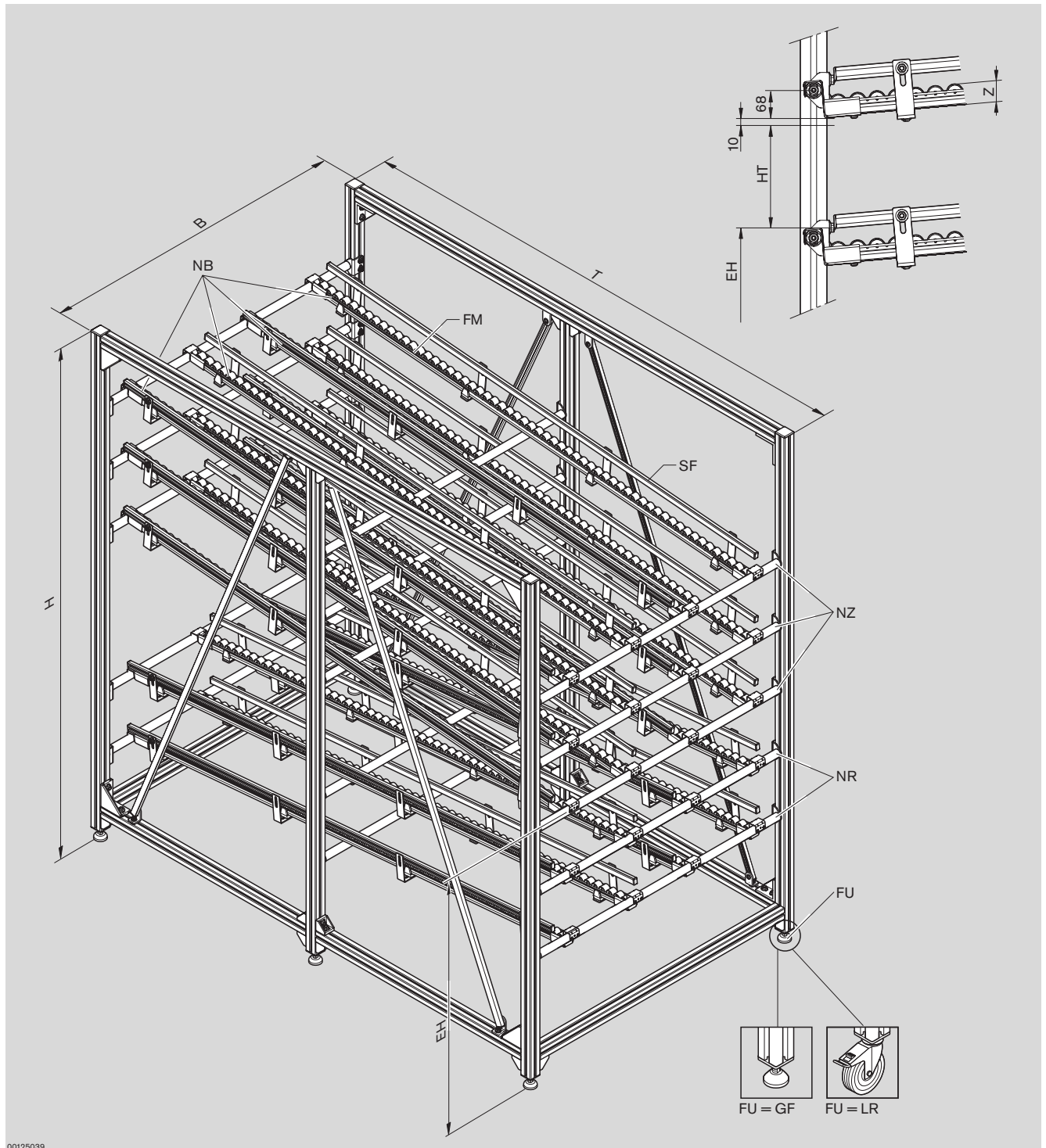
Material no.
3 842 998 249

Ordering parameters for 3 842 998 249

Typ	Number of side elements _____	(☞ 3-5)	= ...	(0, 1, 2)
ESD	Conductivity _____	(☞ 3-5)	= ...	(0, 1)
FU	Foot design _____	(☞ 3-6)	= ...	(GF, LR)
A	Version _____	(☞ 3-5)	= ...	(0, 1)
LV	Load version _____	(☞ 3-5)	= ...	(1, 2)
B	Flow rack width (outer dimensions) _____	(☞ 3-6)	= ...	(400–1500) mm
H	Flow rack height _____	(☞ 3-6)	= ...	(600–2000) mm
T	Flow rack depth _____	(☞ 3-6)	= ...	(400–6000) mm
EH	Removal height of the lowest supply level _____	(☞ 3-9)	= ...	(263–1800) mm
HT	Transportation height _____	(☞ 3-9)	= ...	(80–1200) mm
NZ	Number of supply levels _____	(☞ 3-7)	= ...	(1–8)
NR	Number of return levels _____	(☞ 3-7)	= ...	(0–7)
G	Gradient _____	(☞ 3-7)	= ...	(0–10)%
NB	Number of conveyor tracks _____	(☞ 3-7)	= ...	(0–64)
FM	Conveyor medium _____	(☞ 3-8)	= ...	(D28, D28SK)
SF	Lateral guide _____	(☞ 3-8)	= ...	(0, 1)
PT	Cross tie type _____	(☞ 3-6)	= ...	(RT, RTW, DRT)

i Your order will be checked for feasibility and adapted, if necessary.
Check your order confirmation.

Material supply



Material supply

Custom flow rack systems Lean



The Lean flow rack system is characterized by great flexibility and versatility. Colored rollers (red, yellow, green) – among other things – are available to make information on material inventory directly visible using traffic light colors throughout the entire process (kanban). The flow rack system is available in an ESD-conductive version (ESD = 1).



00120898

You can put your flow rack system together using the following parameters.

Flow rack system Lean

Material no.

3 842 998 332

Ordering parameters for 3 842 998 332

Typ	Number of side elements _____	(☞ 3-5)	= ...	(0, 1, 2)
ESD	Conductivity _____	(☞ 3-5)	= ...	(0, 1)
FU	Foot design _____	(☞ 3-6)	= ...	(GF, LR)
A	Version _____	(☞ 3-5)	= ...	(0, 1)
LV	Load version _____	(☞ 3-5)	= ...	(1, 2)
B	Flow rack width (outer dimensions) _____	(☞ 3-6)	= ...	(400–1500) mm
H	Flow rack height _____	(☞ 3-6)	= ...	(600–2000) mm
T	Flow rack depth _____	(☞ 3-6)	= ...	(400–6000) mm
TT	Division of flow rack depth _____	(☞ 3-6)	= ...	(1000, 1500) mm
G	Gradient _____	(☞ 3-7)	= ...	(0–10)%
PT	Cross tie type _____	(☞ 3-6)	= ...	(RT, RTW, ST, DRT)
UV	Front conveyor track projection _____	(☞ 3-9)	= ...	(0, 50–1000) mm
UH	Rear conveyor track projection _____	(☞ 3-9)	= ...	(0, 50–1000) mm
EH	Removal height of the lowest supply level _____	(☞ 3-9)	= ...	(263–1800) mm
HT	Transportation height _____	(☞ 3-9)	= ...	(100–1200) mm
NZ	Number of supply levels _____	(☞ 3-7)	= ...	(1–8)
NR	Number of return levels _____	(☞ 3-7)	= ...	(0–7)
NB	Number of conveyor tracks _____	(☞ 3-7)	= ...	(0–64)
FM	Conveyor medium _____	(☞ 3-8)	= ...	(GS, GSSK, D32/37,5, D32/50, D32SK/50, RE45, RE45SK)
F	Roller color _____	(☞ 3-9)	= ...	(0, 1, 2, 3)
SF	Lateral guide _____	(☞ 3-8)	= ...	(0, 1)

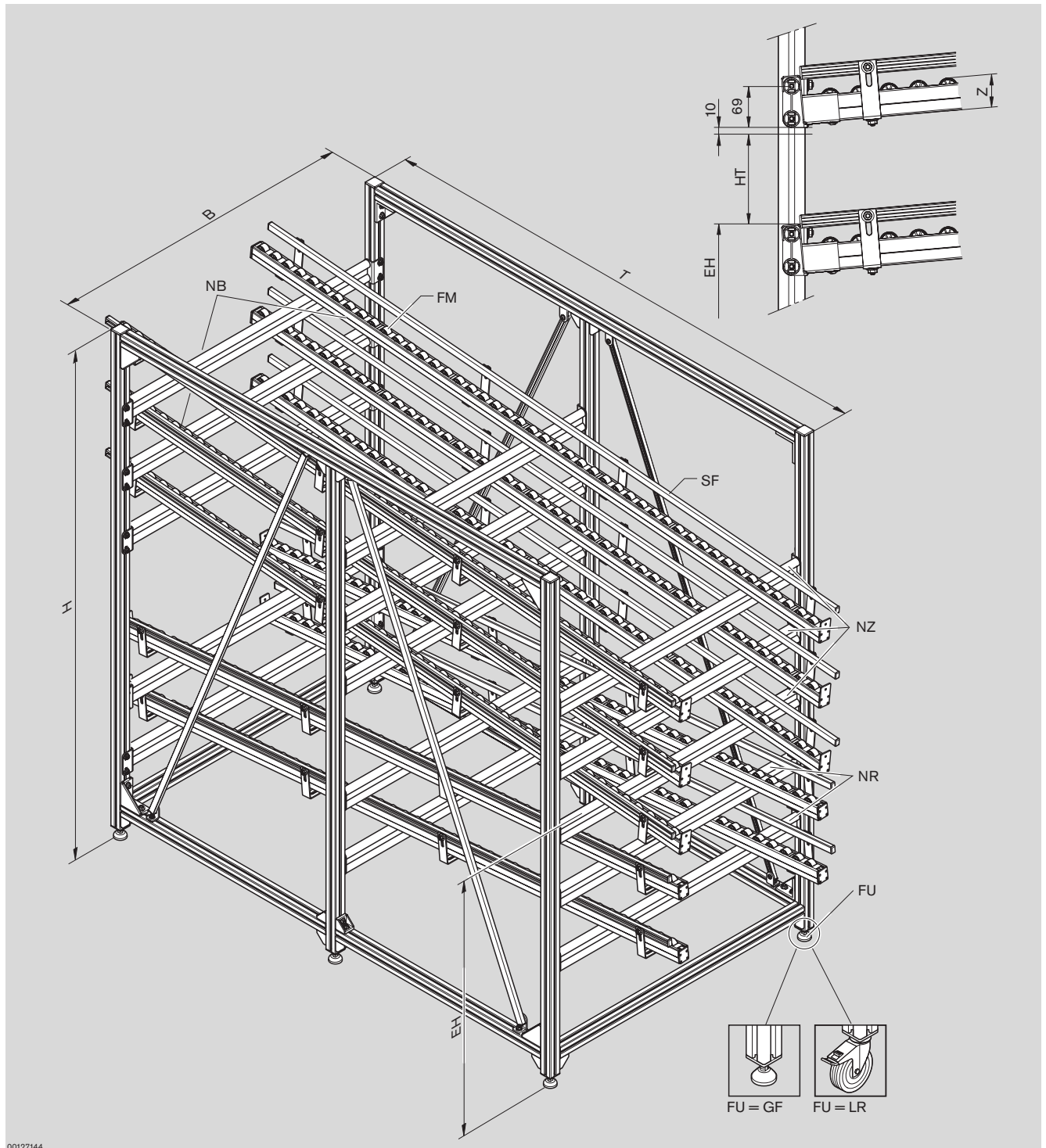


Your order will be checked for feasibility and adapted, if necessary.
Check your order confirmation.



(☞ 6-8)

Material supply



Material supply

Custom flow rack systems EcoFlow



The flow rack system EcoFlow is ideal for heavy loads, as well as for transporting materials in blister packs and cardboard boxes.

The flow rack system is available in an ESD-conductive version (ESD = 1).

You can put your flow rack system together using the following parameters.

Flow rack system EcoFlow

Material no.

3 842 998 322

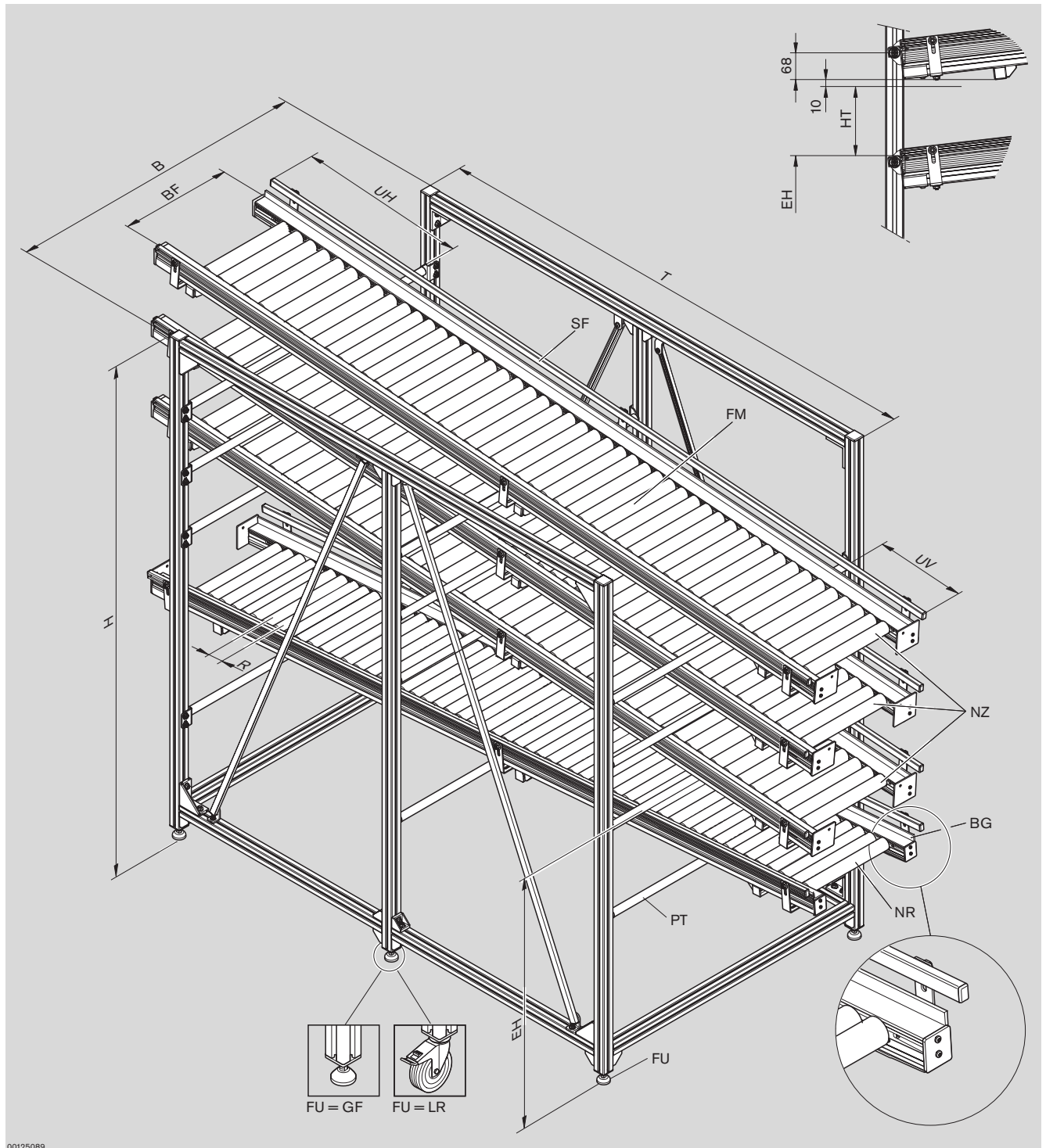
Ordering parameters for 3 842 998 322

Typ	Number of side elements _____	(☞ 3-5)	= ...	(0, 1, 2)
ESD	Conductivity _____	(☞ 3-5)	= ...	(0, 1)
FU	Foot design _____	(☞ 3-6)	= ...	(GF, LR)
A	Version _____	(☞ 3-5)	= ...	(0, 1)
B	Flow rack width (outer dimensions) _____	(☞ 3-6)	= ...	(400–1000) mm
H	Flow rack height _____	(☞ 3-6)	= ...	(600–2000) mm
T	Flow rack depth _____	(☞ 3-6)	= ...	(400–6000) mm
TT	Division of flow rack depth _____	(☞ 3-6)	= ...	(1000, 1500) mm
G	Gradient _____	(☞ 3-7)	= ...	(0–10)%
PT	Cross tie type _____	(☞ 3-6)	= ...	(RT, RTW, ST, DRT)
UV	Front conveyor track projection _____	(☞ 3-9)	= ...	(0, 50–1000) mm
UH	Rear conveyor height projection _____	(☞ 3-9)	= ...	(0, 50–1000) mm
EH	Removal height of the lowest supply level _____	(☞ 3-9)	= ...	(263–1800) mm
HT	Transportation height _____	(☞ 3-9)	= ...	(100–1200) mm
NZ	Number of supply levels _____	(☞ 3-7)	= ...	(1–8)
NR	Number of return levels _____	(☞ 3-7)	= ...	(0–7)
NB	Number of conveyor tracks _____	(☞ 3-7)	= ...	(0–20)
FM	Conveyor media _____	(☞ 3-8)	= ...	(K, S, E)
SF	Lateral guide _____	(☞ 3-8)	= ...	(0, 1)
R	Roller distance _____	(☞ 3-8)	= ...	(0, 1)
BG	Slide rail border _____	(☞ 3-8)	= ...	(0, 1)
BF	Conveyor track width _____	(☞ 3-7)	= ...	(200–892) mm

i Your order will be checked for feasibility and adapted, if necessary.
Check your order confirmation.

i (☞ 6-8)

Material supply



Supply of materials

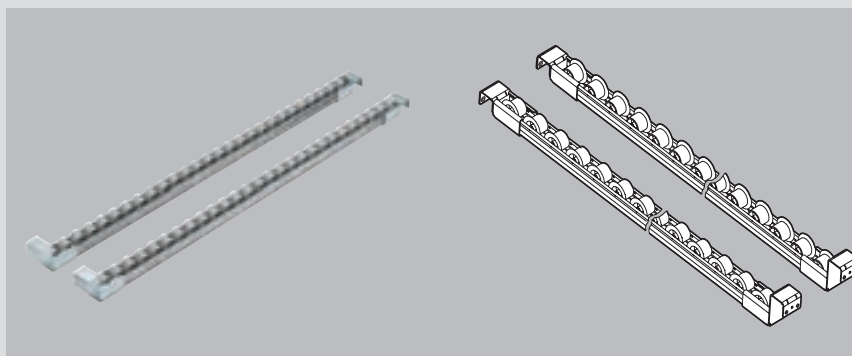
Modules/module overview

The individual modules provide you with all the necessary options to design your flow rack. You can combine cross ties and conveyor tracks as needed, extend existing flow racks, or put together a completely new flow rack.

The modules are divided into four groups that can be used for every flow rack system (reinforcement, cross ties) and special modules for the three flow rack systems XLean, Lean, and EcoFlow (conveyor tracks, lateral guides).

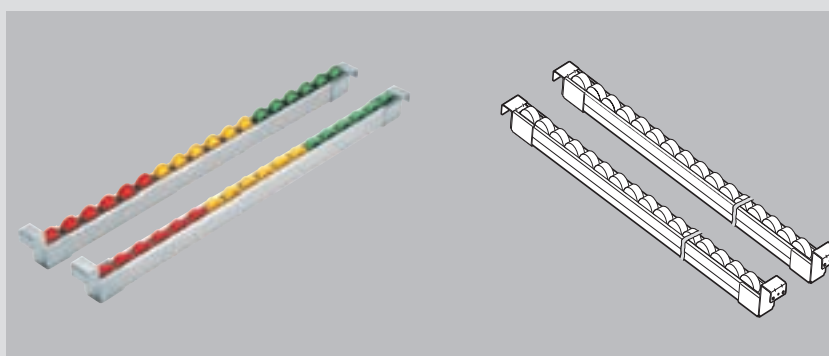
The following overview includes all the available modules. Individual components for these modules can be found starting on (☞ 3-38).

XLean



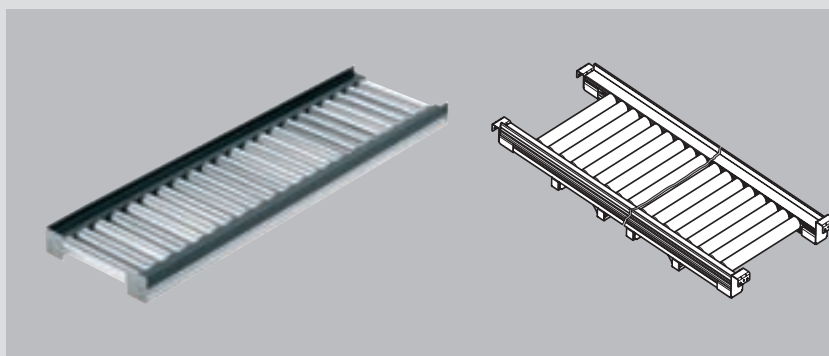
3-22

Lean



3-26, 3-27, 3-30, 3-32,

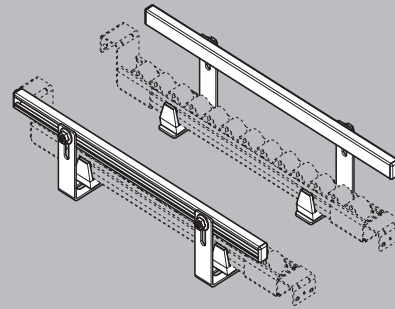
EcoFlow



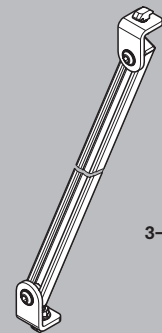
3-35, 3-36

Supply of materials

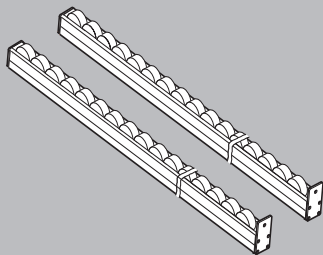
Applicable for every flow rack system



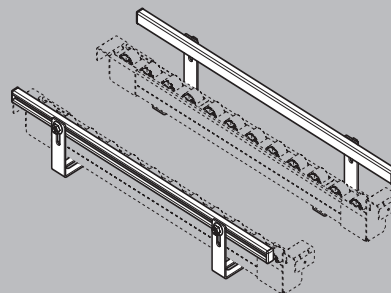
3-23



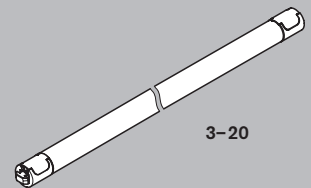
3-19



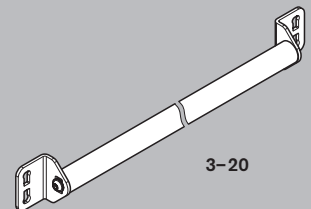
3-28, 3-29, 3-31, 3-33



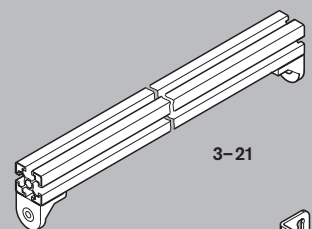
3-34



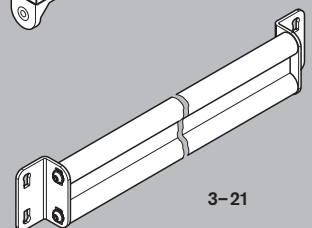
3-20



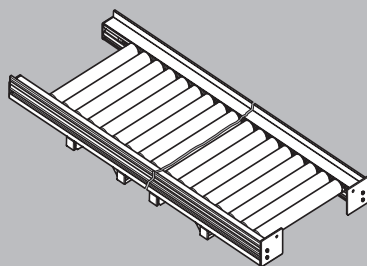
3-20



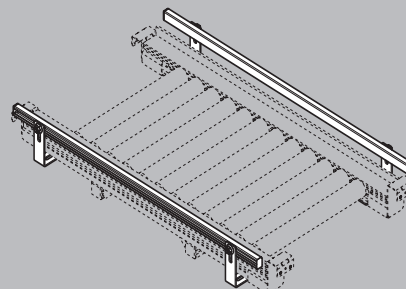
3-21



3-21



3-36



3-37

Supply of materials

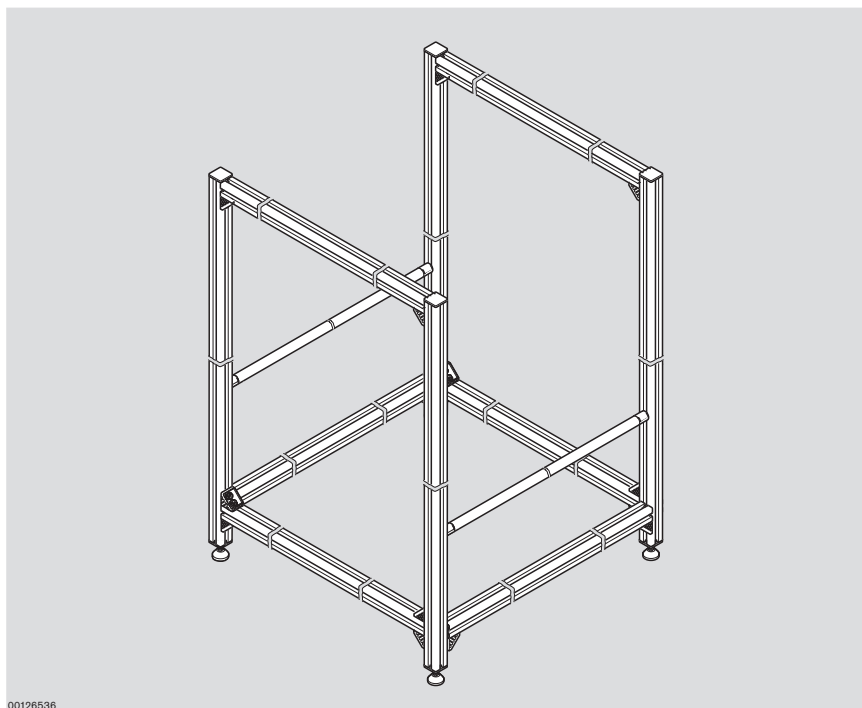
Ordering a flow rack frame

A flow rack frame can be ordered easily and conveniently using one of our three custom flow rack systems. The flow rack frame contains at least one level.

Flow rack system XLean
3 842 998 249 (☞ 3-10)

Flow rack system Lean
3 842 998 332 (☞ 3-12)

Flow rack system EcoFlow
3 842 998 322 (☞ 3-14)



00126536

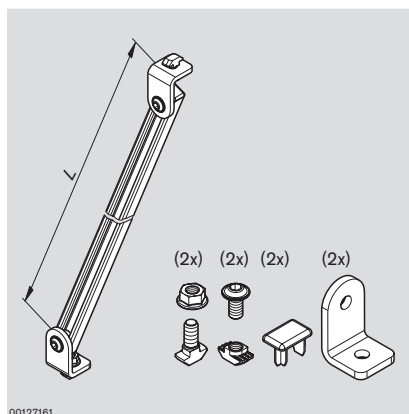
Supply of materials

Custom reinforcements



Reinforcements enable the construction of flow racks with a higher stability in the direction of the conveyor track. This makes it possible to implement rack loads of up to 2000 kg.

Scope of delivery: profile, caps, fastening kit



Reinforcement

Material no.

3 842 998 271

Ordering parameters for 3 842 998 271

L Reinforcement length _____ = ... (100–3000) mm

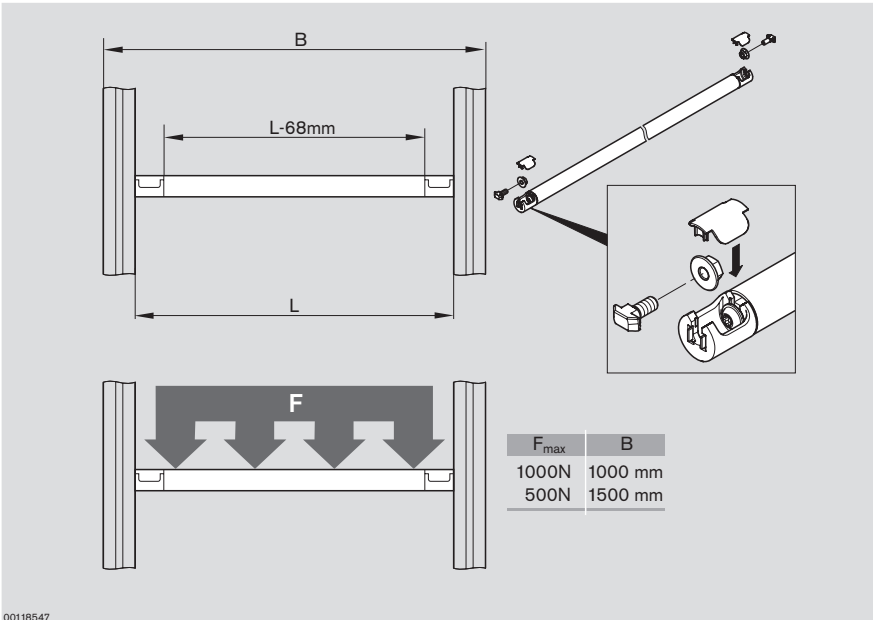
Supply of materials

Custom cross ties



Tubular cross tie RT for fast and space-saving construction of a visually appealing flow rack for the supply of materials.

Scope of delivery: D28 round tube; connector; cap; fastening kit.



Tubular cross tie

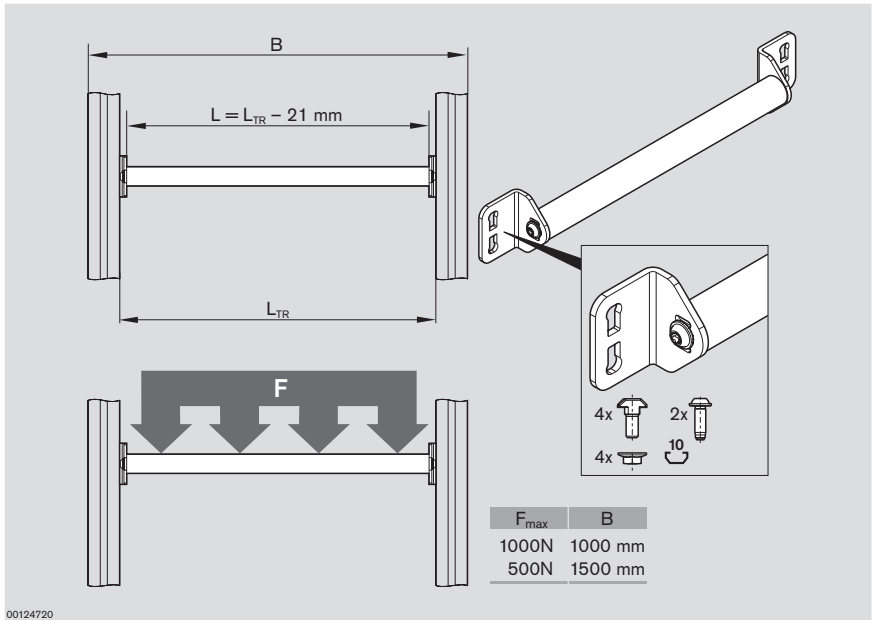
Material no.
3 842 993 330

Ordering parameter for 3 842 993 330

L Tubular cross tie length _____ = ... (300-2000) mm

Tubular cross tie with bracket (RTW) for an easy-to-assemble flow rack. Thanks to the bracket design with elongated holes, it is possible to compensate for fluctuations in tolerances with notches of up to ± 3 mm.

Scope of delivery: D28 round tube, 2 x bracket 60x47x4, fastening kit



Tubular cross tie with corner bracket

Material no.
3 842 998 313

Ordering parameters for 3 842 998 313

L Tubular cross tie length _____ = ... (300-2000) mm

Supply of materials



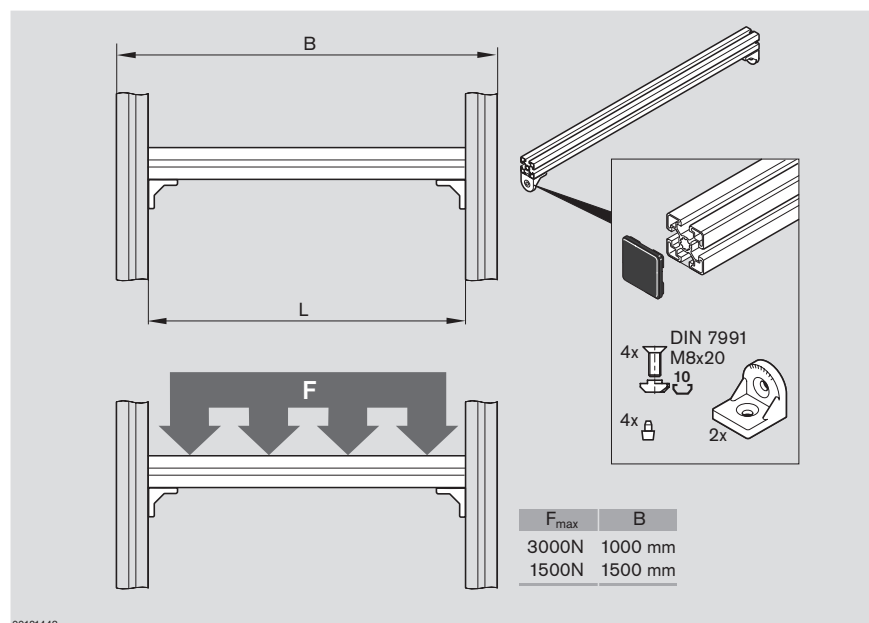
Profile cross tie (ST) for use with high cross tie loads.

Scope of delivery: strut profile 45x45L,
2 x bracket R40x43, fastening kit, caps.

Profile cross tie

Material no.

3 842 993 401



Ordering parameters for 3 842 993 401

L Profile cross tie length _____ = ... (300–2000) mm

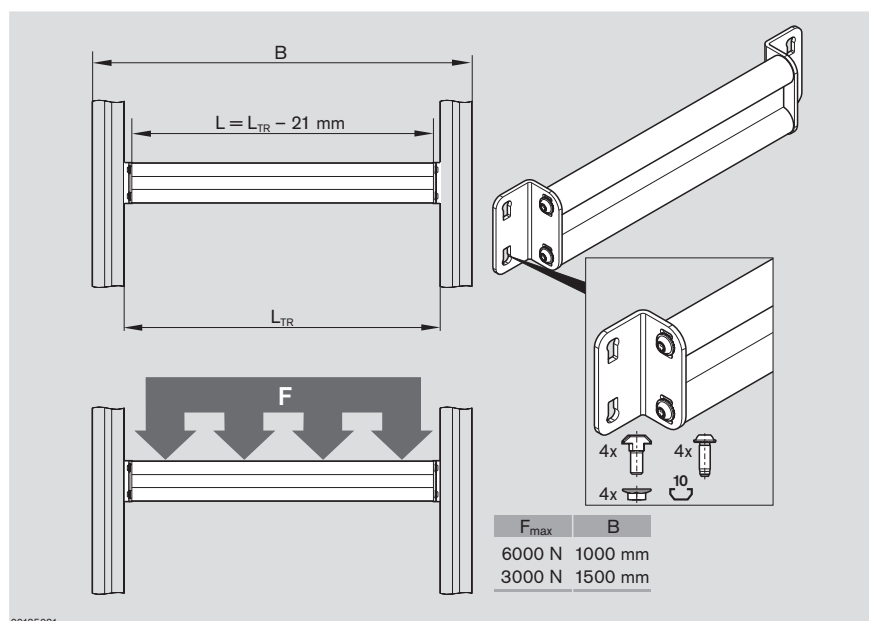
Double tubular cross tie with bracket (DRT) for the construction of flow racks with very high cross tie loads. Thanks to the bracket design with elongated holes, it is possible to compensate for fluctuations in tolerances with notches of up to ± 3 mm.

Scope of delivery: D28x55 double round tube, 2 x bracket 60x47x4, fastening kit

Double tubular cross tie with bracket

Material no.

3 842 998 314



Ordering parameters for 3 842 998 314

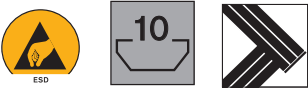
L Profile cross tie length _____ = ... (300–2000) mm



(6-12)

Supply of materials

XLean: custom conveyor tracks



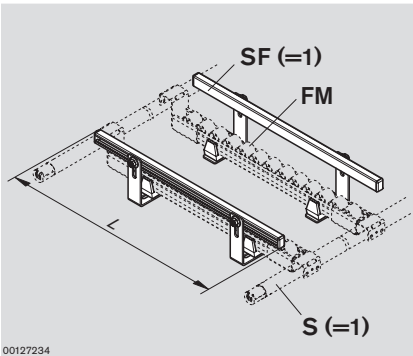
These cost-efficient conveyor tracks with steel profiles are easily and securely suspended in tubular cross ties with rail holders.

Rexroth recommends a gradient of $G=6\%$.

Scope of delivery: two conveyor sections (right/left), rail holder.



00121055

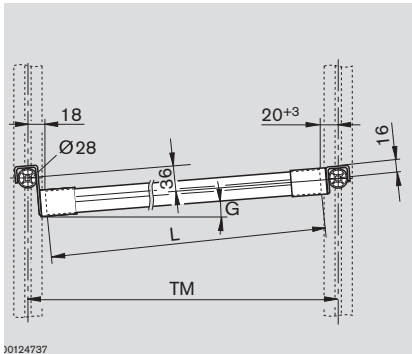


00127234

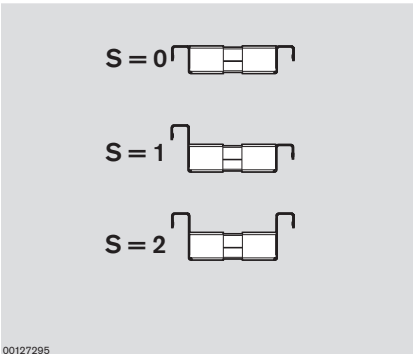
Conveyor track XLean with rail holder

Material no.
3 842 998 196

Ordering parameters for 3 842 998 196			
ESD	(0 = no, 1 = yes)	= ...	(0, 1)
TM	Horizontal distance between cross ties	= ...	(355–4500) mm
G	Gradient	= ...	(0–10)%
FM	Conveyor medium	= ...	(D28, D28SK)
S	Rail holder design	= ...	(0, 1, 2)
SF	Lateral guide (0 = no, 1 = yes)	= ...	(0, 1) (📄 3-23)



00124737



00127295

TM	G	L
[mm]	[%]	[mm]
1000	0	962.0
1000	6	961.7
1000	10	963.5



00127139

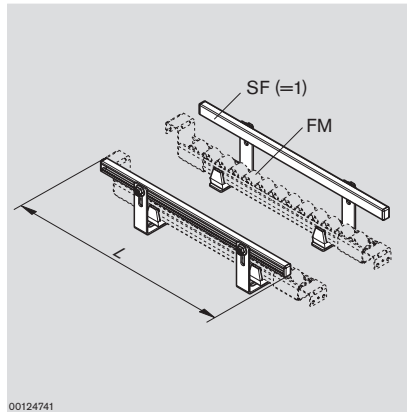
Supply of materials

XLean: custom lateral guides

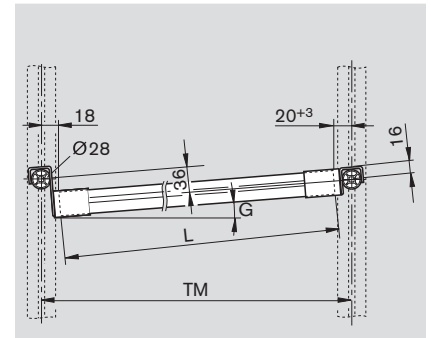


Lateral guides in variable lengths for installation on the conveyor tracks are available to securely transport your products. The number of mounting brackets is dependent on the length of the lateral guide.

Scope of delivery: incl. mounting bracket and adapter.



00124741



Lateral guide XLean

Material no.

3 842 998 316

Ordering parameters for 3 842 998 316

TM Horizontal distance between cross ties _____ = ... (355-4500) mm

G Gradient _____ = ... (0-10)%



(6-14)

Supply of materials

Lean: custom conveyor tracks/sections

The conveyor tracks and sections Lean are constructed based on an aluminum profile. Conveyor tracks consist of two conveyor sections and serve to supply containers according to the FiFo principle. Conveyor sections are either installed in the center of a conveyor track to provide additional support for wide containers or used to construct a return section for disordered container return.

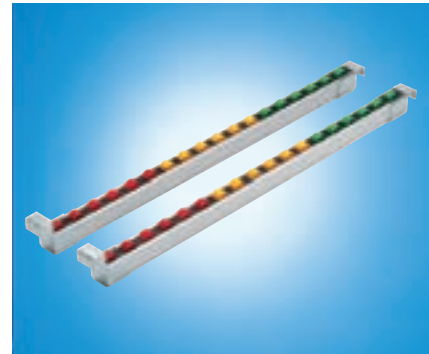
Rollers with various diameter and colors, slide rails, and roller elements are available as conveyor mediums. A visual display of stocks can be implemented very easily if different-colored rollers are used within a conveyor track (kanban system).

Conveyor tracks and sections with rail holders can be simply and securely suspended in tubular cross ties. The design with a stop plate is fastened to a profile cross tie with brackets or to tubular cross ties with tube clips.

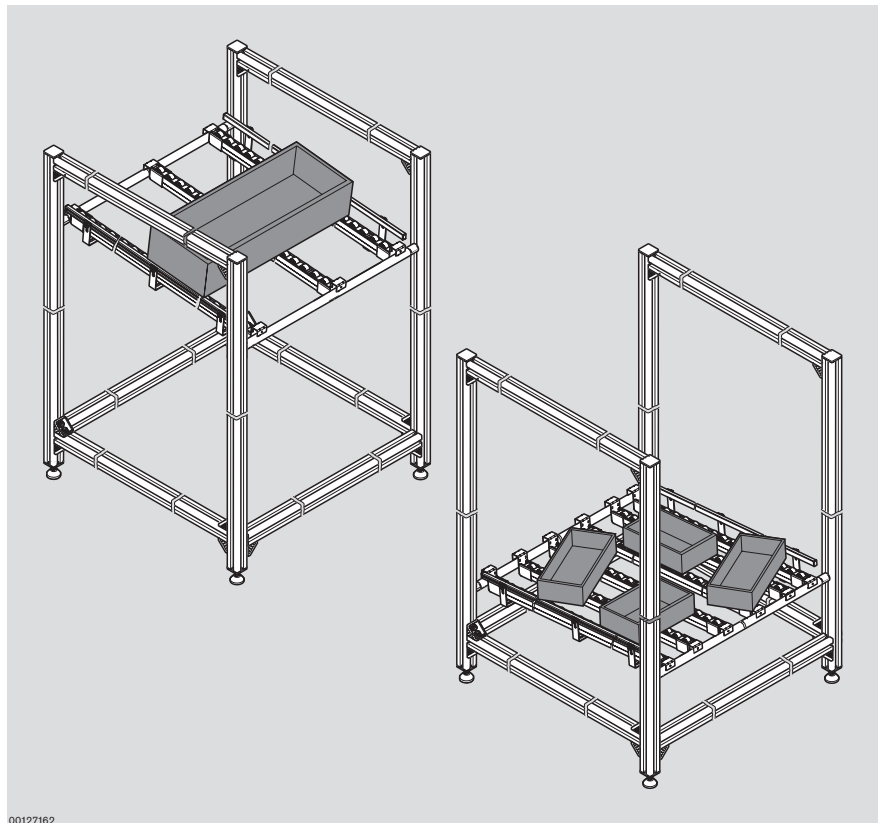
Rexroth recommends a gradient of $G=6\%$.



00121021


















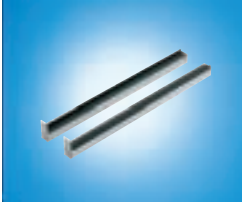
00121018



00127162

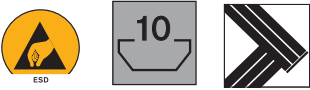
Supply of materials

Overview: conveyor tracks and sections Lean

	Rail holder	Stop plate
Single-color rollers ( 3-26), ( 3-28)	 00121021	 00127297
Multi-color rollers ( 3-27), ( 3-29)	 00121022	 00127298
Slide rails ( 3-30), ( 3-31)	 00121032	 00127299
Roller elements ( 3-32), ( 3-33)	 00121049	 00127278

Supply of materials

Lean: single-color rollers, rail holders



The conveyor tracks and sections are suspended simply and securely on the tubular cross tie or double tubular cross tie with a rail holder.

Roller material: PE
ESD roller material: PA 66, black
ESD roller material: PA 6, MHRZ, colored, 10³-10⁹ Ω (DIN EN 61340-5-1)
Accessories: tube clip (☞ 3-57), brake (☞ 3-56)



Conveyor track Lean, single-color

Material no.
3 842 998 381



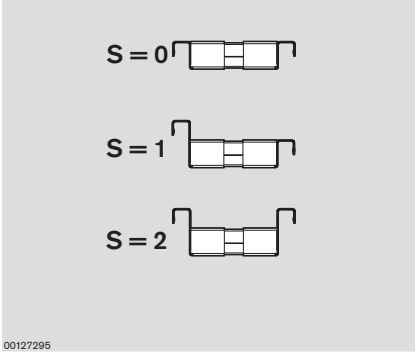
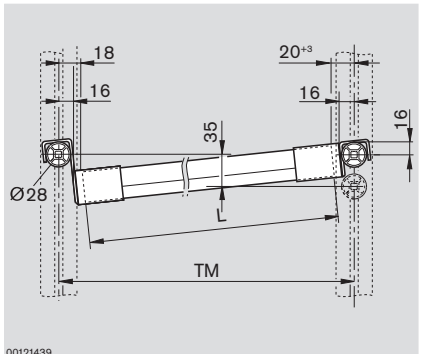
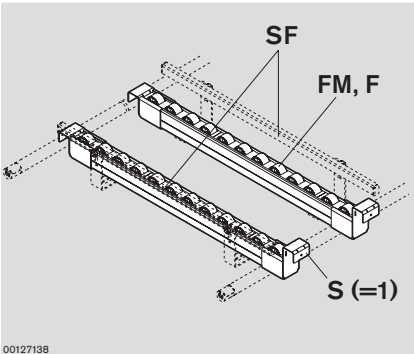
Conveyor section Lean, single-color

Material no.
3 842 998 389

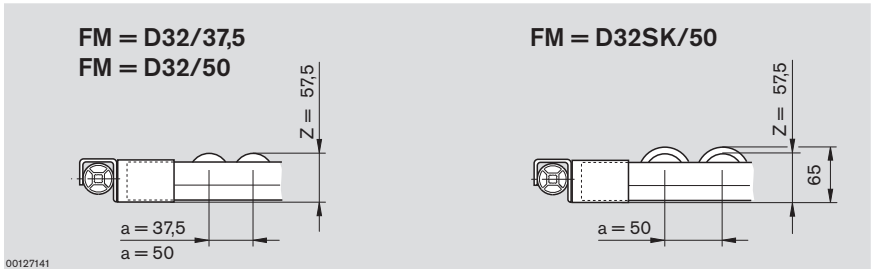
Ordering parameters for 3 842 998 381 and 3 842 998 389

ESD (0 = no, 1 = yes) = ... (0, 1)
TM Horizontal distance between cross ties = ... (355–6000) mm
G Gradient = ... (0–10)%
FM Conveyor medium = ... (D32/37.5, D32/50, D32SK/50)
F Roller color = ... (0, 1, 2, 3)¹⁾
S Rail holder design = ... (0, 1, 2)
SF Lateral guide (0 = no, 1 = yes) = ... (0, 1) (☞ 3-34)

¹⁾ 0 = black
1 = red
2 = yellow
3 = green



TM [mm]	G [%]	L [mm]
1000	0	962.0
1000	6	961.7
1000	10	963.5



Supply of materials

Lean: multi-color rollers, rail holders



The conveyor tracks and sections are suspended simply and securely on the tubular cross tie or double tubular cross tie with a rail holder. A visual display of stocks can be easily implemented by using multi-colored rollers. The conveyor track/section is filled up with the last roller color.

Roller material: PE

ESD roller material: PA 66, black

ESD roller material: PA 6, MHRZ, colored, $10^3 \cdot 10^9 \Omega$ (DIN EN 61340-5-1)

Accessories: tube clip (☞ 3-57), brake (☞ 3-56)



Conveyor track Lean, multi-color

Conveyor section Lean, multi-color

Material no.

3 842 998 382

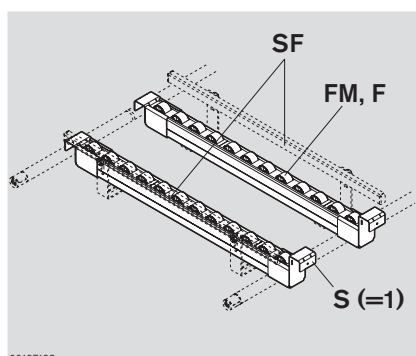
Material no.

3 842 998 390

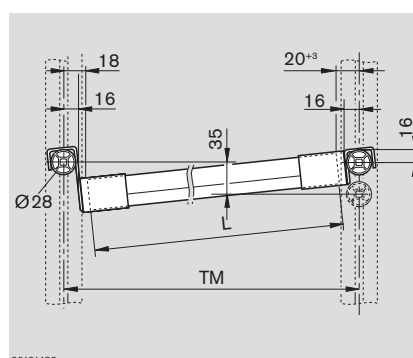
Ordering parameters for 3 842 998 382 and 3 842 998 390

ESD (0 = no, 1 = yes)	= ...	(0, 1)
TM Horizontal distance between cross ties	= ...	(355–6000) mm
G Gradient	= ...	(0–10)%
FM Conveyor medium	= ...	(D32/37.5, D32/50, D32SK/50)
F1 Roller color	= ...	(0, 1, 2, 3) ¹⁾
NF1 Number of rollers in color 1/section	= ...	(0–120/160)
F2 Roller color	= ...	(0, 1, 2, 3) ¹⁾
NF2 Number of rollers in color 2/section	= ...	(0–120/160)
F3 Roller color	= ...	(0, 1, 2, 3) ¹⁾
NF3 Number of rollers in color 3/section	= ...	(0–120/160)
S Rail holder design	= ...	(0, 1, 2)
SF Lateral guide (0 = no, 1 = yes)	= ...	(0, 1) (☞ 3-34)

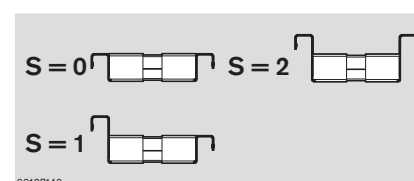
¹⁾ 0 = black
1 = red
2 = yellow
3 = green



00127138

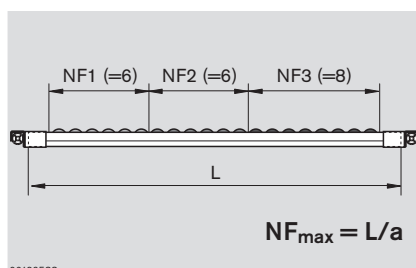


00121439



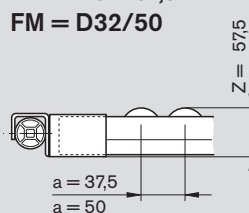
00127140

TM [mm]	G [%]	L [mm]
1000	0	962.0
1000	6	961.7
1000	10	963.5



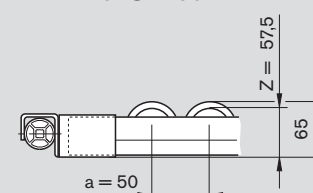
00126588

FM = D32/37,5
FM = D32/50



00127141

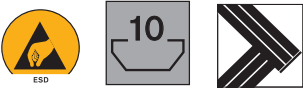
FM = D32SK/50



(☞ 6-13)

Supply of materials

Lean: single-color rollers, stop plates



In conveyor tracks and sections with stop plates, the U-profile is fastened in the 10 mm groove on the underside of the profile using e.g. brackets on other profiles or tube clips on tubular cross ties.

Roller material: PE
ESD roller material: PA 66, black
ESD roller material: PA 6, MHRZ, colored, 10³-10⁹ Ω (DIN EN 61340-5-1)
Accessories: tube clip (☞ 3-57), brake (☞ 3-56), holder for double round tube (☞ 3-57)



Conveyor track Lean, single-color
Material no.
3 842 998 383

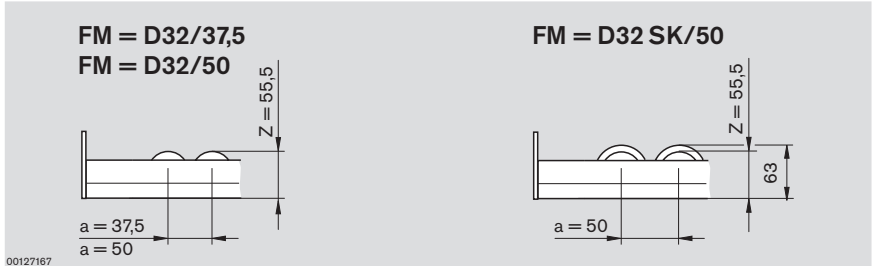
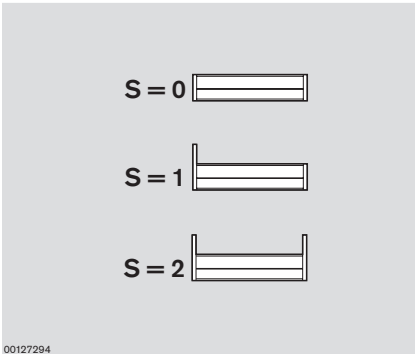
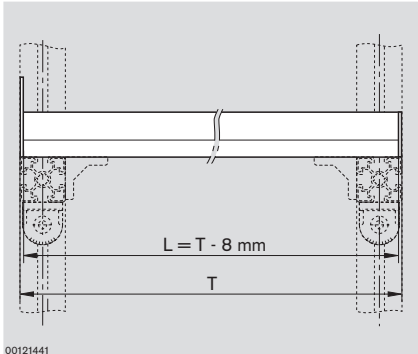
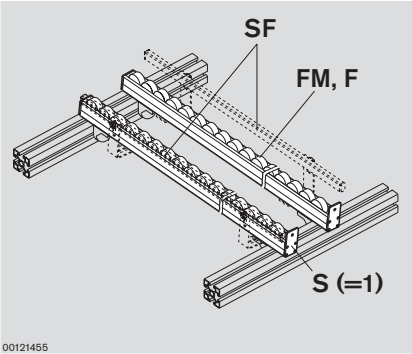


Conveyor section Lean, single-color
Material no.
3 842 998 391

Ordering parameters for 3 842 998 383 and 3 842 998 391

ESD (0 = no, 1 = yes) =... (0, 1)
L Conveyor track length =... (355-6000) mm
FM Conveyor medium =... (D32/37,5, D32/50, D32SK/50)
F Roller color =... (0, 1, 2, 3)^{*)}
S Stop plate design =... (0, 1, 2)
SF Lateral guide (0 = no, 1 = yes) =... (0, 1) (☞ 3-34)

*) 0 = black
1 = red
2 = yellow
3 = green



Supply of materials

Lean: multi-color rollers, stop plates



In conveyor tracks and sections with stop plates, the U-profile is fastened in the 10 mm groove on the underside of the profile using e.g. brackets on other profiles or tube clips on tubular cross ties. A visual display of stocks can be easily implemented by using multi-colored rollers. The conveyor track/section is filled up with the last roller color.

Roller material: PE

ESD roller material: PA 66, black

ESD roller material: PA 6, MHRZ, colored, $10^3 \cdot 10^3 \Omega$ (DIN EN 61340-5-1)

Accessories: tube clip (☞ 3-57), brake (☞ 3-56), holder for double round tube (☞ 3-57)

^{*)} 0 = black

1 = red

2 = yellow

3 = green



Conveyor track Lean, multi-color

Material no.

3 842 998 384



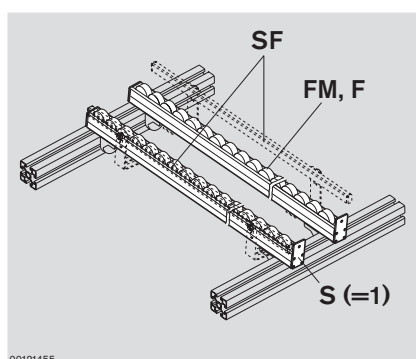
Conveyor section Lean, multi-color

Material no.

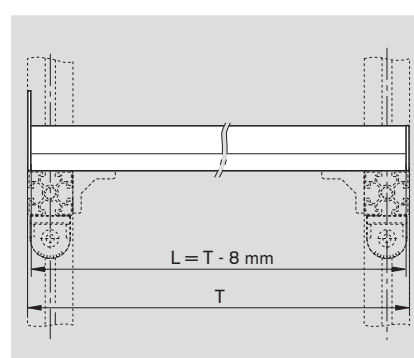
3 842 998 392

Ordering parameters for 3 842 998 384 and 3 842 998 392

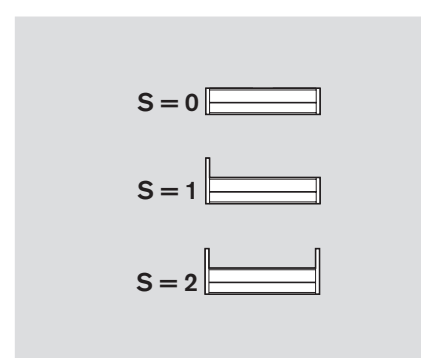
ESD (0 = no, 1 = yes)	= ...	(0, 1)
L Conveyor track length	= ...	(355-6000) mm
FM Conveyor medium	= ...	(D32/37.5, D32/50, D32SK/50)
F1 Roller color	= ...	(0, 1, 2, 3) ^{*)}
NF1 Number of rollers in color 1/section	= ...	(0-120/160)
F2 Roller color	= ...	(0, 1, 2, 3) ^{*)}
NF2 Number of rollers in color 2/section	= ...	(0-120/160)
F3 Roller color	= ...	(0, 1, 2, 3) ^{*)}
NF3 Number of rollers in color 3/section	= ...	(0-120/160)
S Stop plate design	= ...	(0, 1, 2)
SF Lateral guide (0 = no, 1 = yes)	= ...	(0, 1) (☞ 3-34)



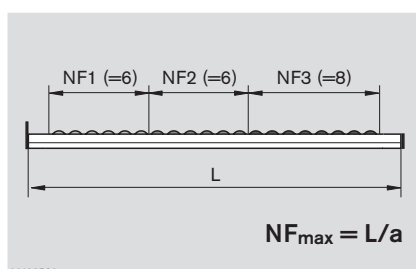
00121455



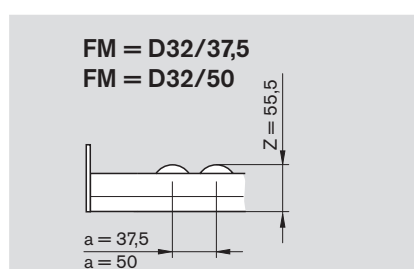
00121441



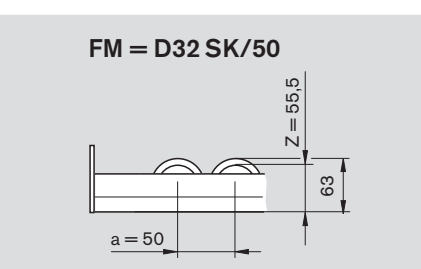
00127294



00126589



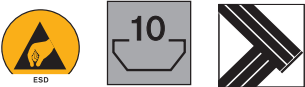
00127167



(☞ 6-13)

Supply of materials

Lean: slide rails, rail holders



The conveyor tracks and sections are suspended simply and securely on the tubular cross tie or double tubular cross tie with a rail holder. Slide rails are particularly suited for use with heavy containers or large conveyor track/section gradients.

Material: PVC, gray
ESD material: PVC, black
Accessories: tube clip (3-57)



Conveyor track Lean, slide rail

Material no.
3 842 998 387

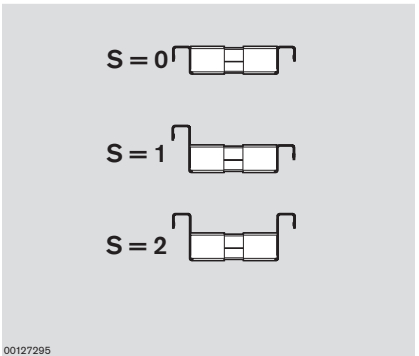
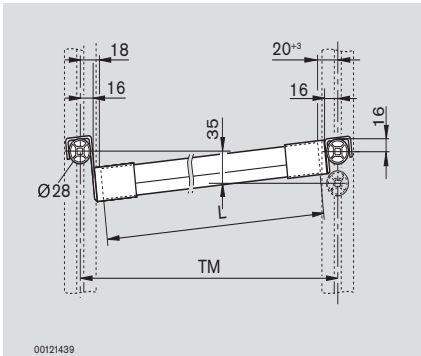
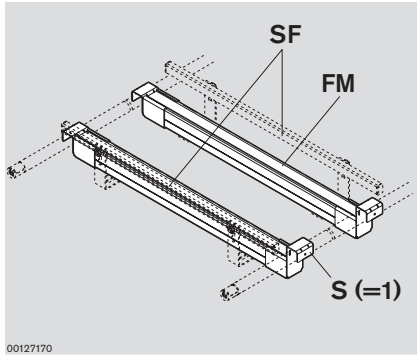


Conveyor section Lean, slide rail

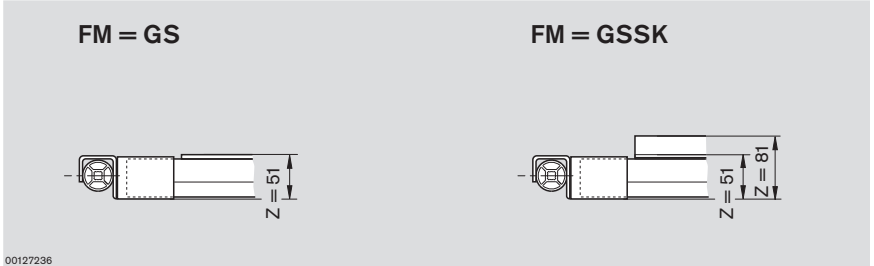
Material no.
3 842 998 393

Ordering parameters for 3 842 998 387 and 3 842 998 393

ESD (0 = no, 1 = yes) =... (0, 1)
TM Horizontal distance between cross ties = ... (355-6000) mm
G Gradient = ... (0-10)%
FM Conveyor medium = ... (GS, GSSK)
S Rail holder design = ... (0, 1, 2)
SF Lateral guide (0 = no, 1 = yes) =... (0, 1) (3-34)



TM [mm]	G [%]	L [mm]
1000	0	962.0
1000	6	961.7
1000	10	963.5



Supply of materials

Lean: slide rails, stop plates



In conveyor tracks and sections with stop plates, the U-profile is fastened in the 10 mm groove on the underside of the profile using e.g. brackets on other profiles or tube clips on tubular cross ties. Slide rails are particularly suited for use with heavy containers or large conveyor track/section gradients.

Material: PVC, gray

ESD material: PVC, black

Accessories: tube clip (☞ 3-57), holder for double round tube (☞ 3-57)



Conveyor track Lean, slide rail

Material no.

3 842 998 388

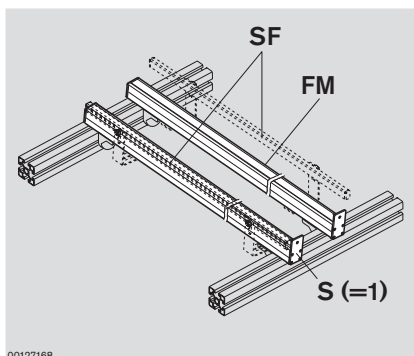
Conveyor section Lean, slide rail

Material no.

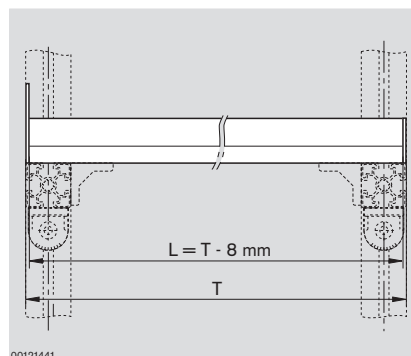
3 842 998 394

Ordering parameters for 3 842 998 388 and 3 842 998 394

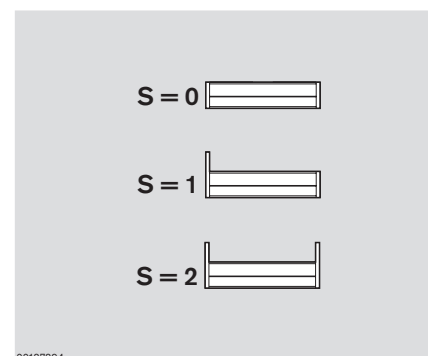
ESD (0 = no, 1 = yes) _____ = ... (0, 1)
 L Conveyor track length _____ = ... (355-6000) mm
 FM Conveyor medium _____ = ... (GS, GSSK)
 S Stop plate design _____ = ... (0, 1, 2)
 SF Lateral guide (0 = no, 1 = yes) _____ = ... (0, 1) (☞ 3-34)



00127168

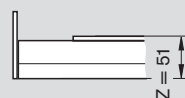


00121441



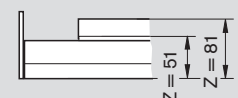
00127294

FM = GS



00127237

FM = GSSK



(☞ 6-13)

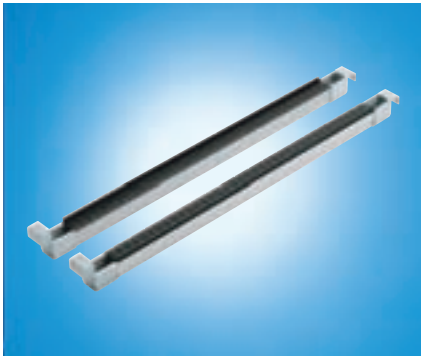
Supply of materials

Lean: roller elements, rail holders



The conveyor tracks and sections are suspended simply and securely on the tubular cross tie or double tubular cross tie with a rail holder. Roller elements are best suited for containers with a roughly structured base.

Material : PA66, black
Accessories: tube clip (🔗 3-57)



Conveyor track Lean, roller element

Material no.
3 842 998 385

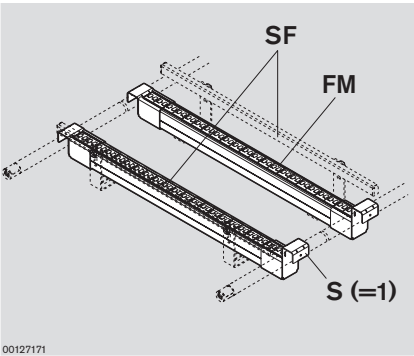


Conveyor section Lean, roller element

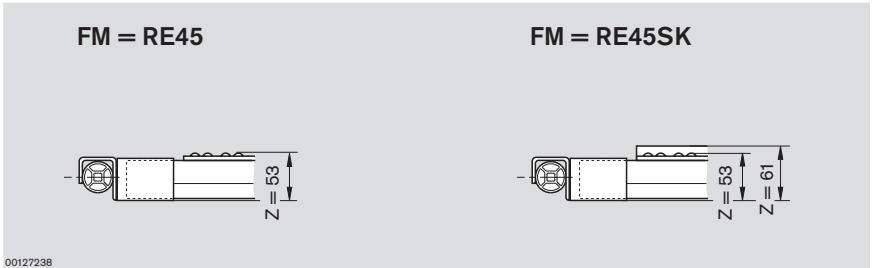
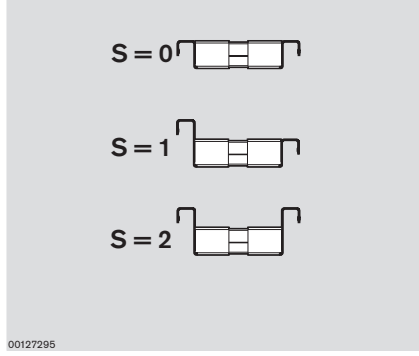
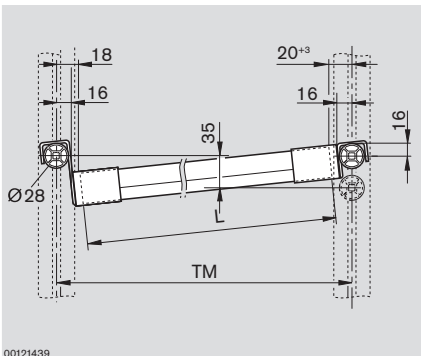
Material no.
3 842 998 407

Ordering parameters for 3 842 998 385 and 3 842 998 407

ESD (0 = no, 1 = yes) _____ =... (0, 1)
TM Horizontal distance between cross ties _____ = ... (355-6000) mm
G Gradient _____ = ... (0-10)%
FM Conveyor medium _____ = ... (RE45, RE45SK)
S Rail holder design _____ = ... (0, 1, 2)
SF Lateral guide (0 = no, 1 = yes) _____ =... (0, 1) (🔗 3-34)



TM [mm]	G [%]	L [mm]
1000	0	962.0
1000	6	961.7
1000	10	963.5



Supply of materials

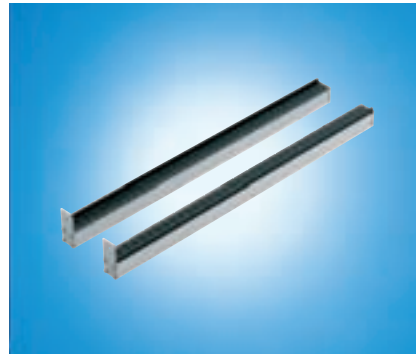
Lean: roller elements, stop plates



In conveyor tracks and sections with stop plates, the U-profile is fastened in the 10 mm groove on the underside of the profile using e.g. brackets on other profiles or tube clips on tubular cross ties. Roller elements are best suited for containers with a roughly structured base.

Material : PA66, black

Accessories: tube clip (☞ 3-57), holder for double round tube (☞ 3-57)



00127278

Conveyor track Lean, roller element

Material no.

3 842 998 386



00127302

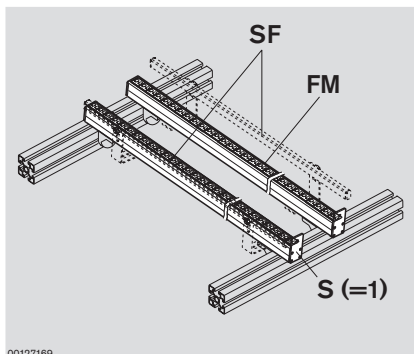
Conveyor section Lean, roller element

Material no.

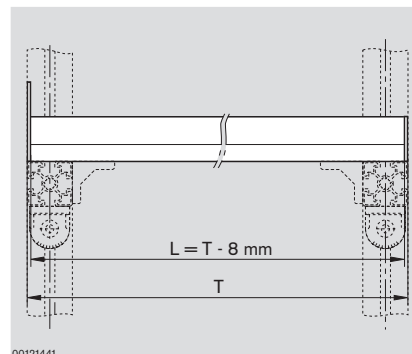
3 842 998 409

Ordering parameters for 3 842 998 386 and 3 842 998 409

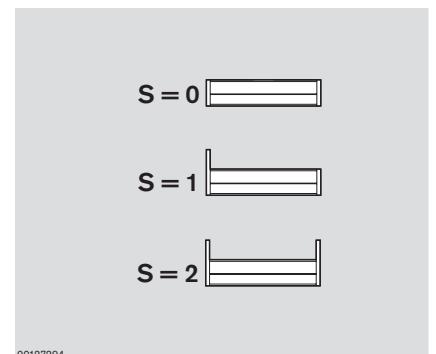
ESD (0 = no, 1 = yes) _____ = ... (0, 1)
 L Conveyor track length _____ = ... (355-6000) mm
 FM Conveyor medium _____ = ... (RE45, RE45SK)
 S Stop plate design _____ = ... (0, 1, 2)
 SF Lateral guide (0 = no, 1 = yes) _____ = ... (0, 1) (☞ 3-34)



00127169

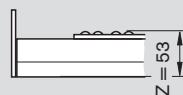


00121441



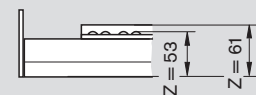
00127294

FM = RE45



00127239

FM = RE45SK



(☞ 6-13)

Supply of materials

Lean: custom lateral guides

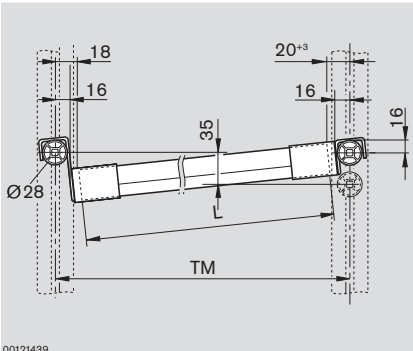


Lateral guides in variable lengths for installation on the conveyor tracks are available to securely transport your products. The number of mounting brackets is dependent on the length of the lateral guide.

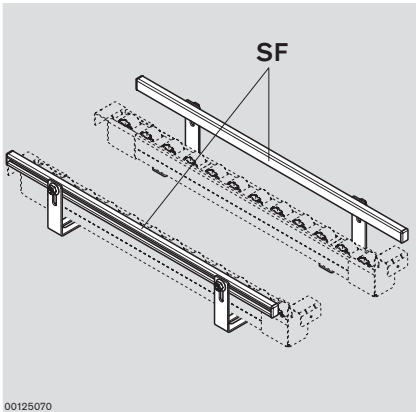
Scope of delivery: incl. mounting bracket



00121536



00121439



00125070

Lateral guide Basic

Material no.
3 842 998 315

Ordering parameters for 3 842 998 315

TM	Horizontal distance of cross tie center	= ...	(355-6000) mm
G	Gradient	= ...	(0-10)%



Supply of materials

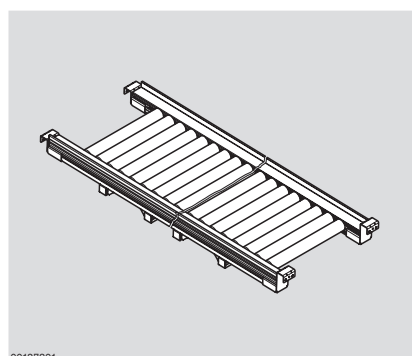
EcoFlow: conveyor tracks, rail holders



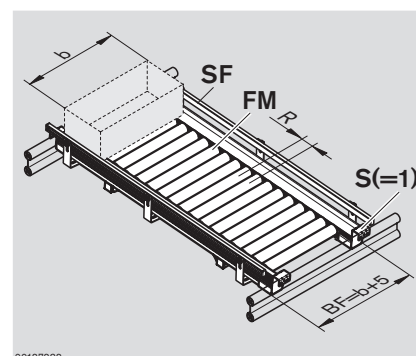
Conveyor track based on aluminum profiles with uniform rollers made of plastic, steel, or stainless steel. For very high conveyor track loads. Conveyor tracks are suspended simply and securely on the tubular cross tie or double tubular cross tie with a rail holder. Rexroth recommends a gradient of $G = 6\%$.

Accessories: brake (☞ 3-60), tube clip (☞ 3-62)

Further accessories can be found in chapter 4 "Manual links"



00127301



00127232

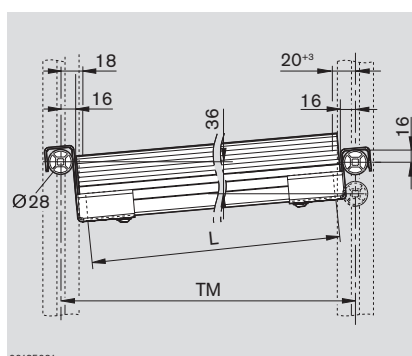
Conveyor track EcoFlow with rail holder

Material no.**3 842 998 258****Ordering parameters for 3 842 998 258**

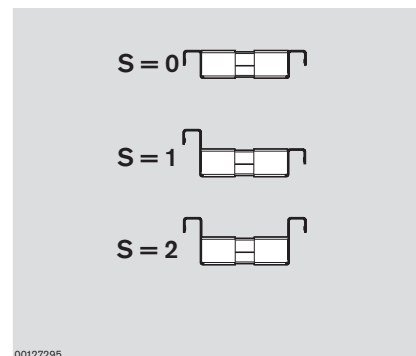
A	(0 = kit, 1 = assembled)	=...	(0, 1)
ESD	(0 = no, 1 = yes)	=...	(0, 1)
TM	Horizontal distance of cross tie center	= ...	(355–6000) mm
G	Gradient	= ...	(0–10)%
FM	Conveyor medium	= ...	(K, S, E) ¹⁾ (☞ 4-11)
(K = plastic, S = steel, E = stainless steel)			
BF	Conveyor track width	= ...	(200–1000) mm ²⁾ (☞ 6-15)
S	Rail holder design	= ...	(0, 1, 2)
SF	Lateral guide (0 = no, 1 = yes)	=...	(0, 1) (☞ 3-37)
R	Roller distance (0 = 50 mm, 1 = 100 mm)	=...	(0, 1)

¹⁾ (FM = K, E) not with (ESD = 1)

²⁾ For (FM = K), BF = 200 - 600 mm applies



00125091



00127295

TM	G	L
[mm]	[%]	[mm]
1000	0	962.0
1000	6	961.7
1000	10	963.5



(☞ 6-15)

Supply of materials

EcoFlow: conveyor tracks, stop plates



Conveyor track based on aluminum profiles with uniform rollers made of plastic, steel, or stainless steel. For very high conveyor track loads. In conveyor tracks with stop plates, the U-profile is fastened in the 10 mm groove on the underside of the profile using e.g. brackets on other profiles or tube clips on tubular cross ties.

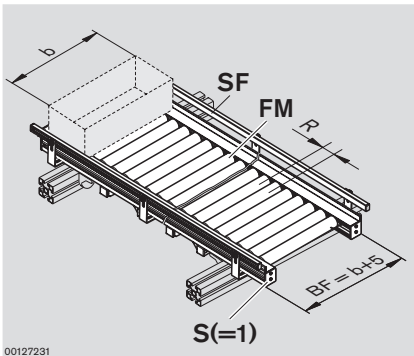
Accessories: brake (☞ 3-60), tube clip (☞ 3-62), holder for double round tube (☞ 3-62)
Further accessories can be found in chapter 4 "Manual links"



00127279

Conveyor track EcoFlow with stop plate

Material no.
3 842 998 278

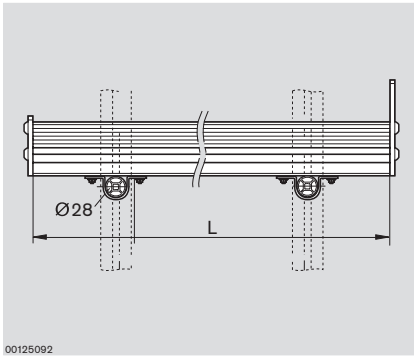


00127231

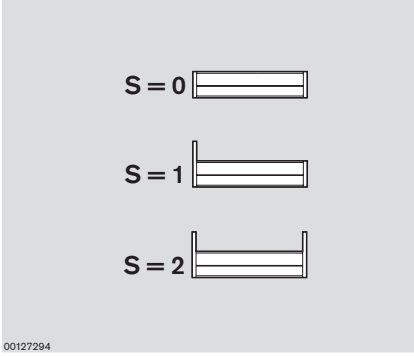
Ordering parameters for 3 842 998 278

A	(0 = kit, 1 = assembled)	=...	(0, 1)
ESD	(0 = no, 1 = yes)	=...	(0, 1)
L	Conveyor track length	= ...	(355-6000) mm
FM	Conveyor medium	= ...	(K, S, E) ¹⁾ (☞ 4-11)
	(K = plastic, S = steel, E = stainless steel)		
BF	Conveyor track width	= ...	(200-1000) mm ²⁾ (☞ 6-15)
S	Stop plate design	= ...	(0, 1, 2)
SF	Lateral guide (0 = no, 1 = yes)	=...	(0, 1) ³⁾ (☞ 3-37)
R	Roller distance (0 = 50 mm, 1 = 100 mm)	=...	(0, 1)
BG	Slide rail border (0 = outside, 1 = inside)	=...	(0, 1)

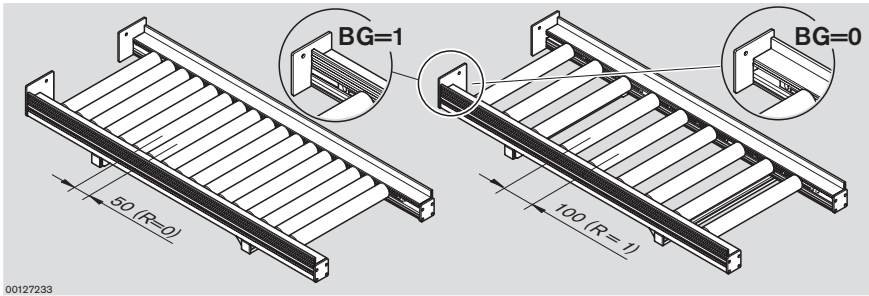
¹⁾ (FM = K, E) not with (ESD = 1)
²⁾ For (FM = K), BF = 200 - 600 mm applies
³⁾ (SF = 1) only with (BG = 0)



00125092



00127294



00127233

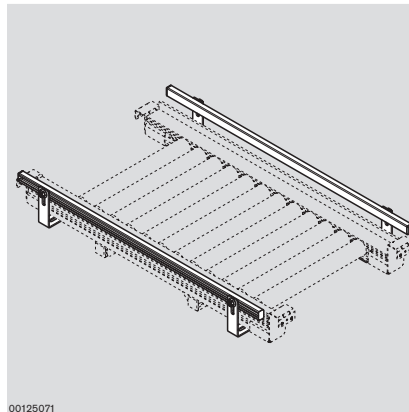
Supply of materials

EcoFlow: custom lateral guides



Lateral guides in variable lengths for installation on the conveyor tracks are available to securely transport your products. The number of mounting brackets is dependent on the length of the lateral guide.

Scope of delivery: incl. mounting bracket

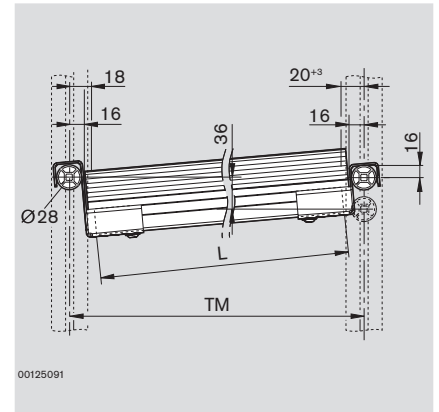


00125071

Lateral guide EcoFlow

Material no.

3 842 998 315



00125091

Ordering parameters for 3 842 998 315

TM Horizontal distance of cross tie center _____ = ... (355-6000) mm

G Gradient _____ = ... (0-10)%



(6-15)

Supply of materials

Individual components

All individual components can be combined in a flow rack, providing you with the greatest level of flexibility.

The individual components are divided into four groups:

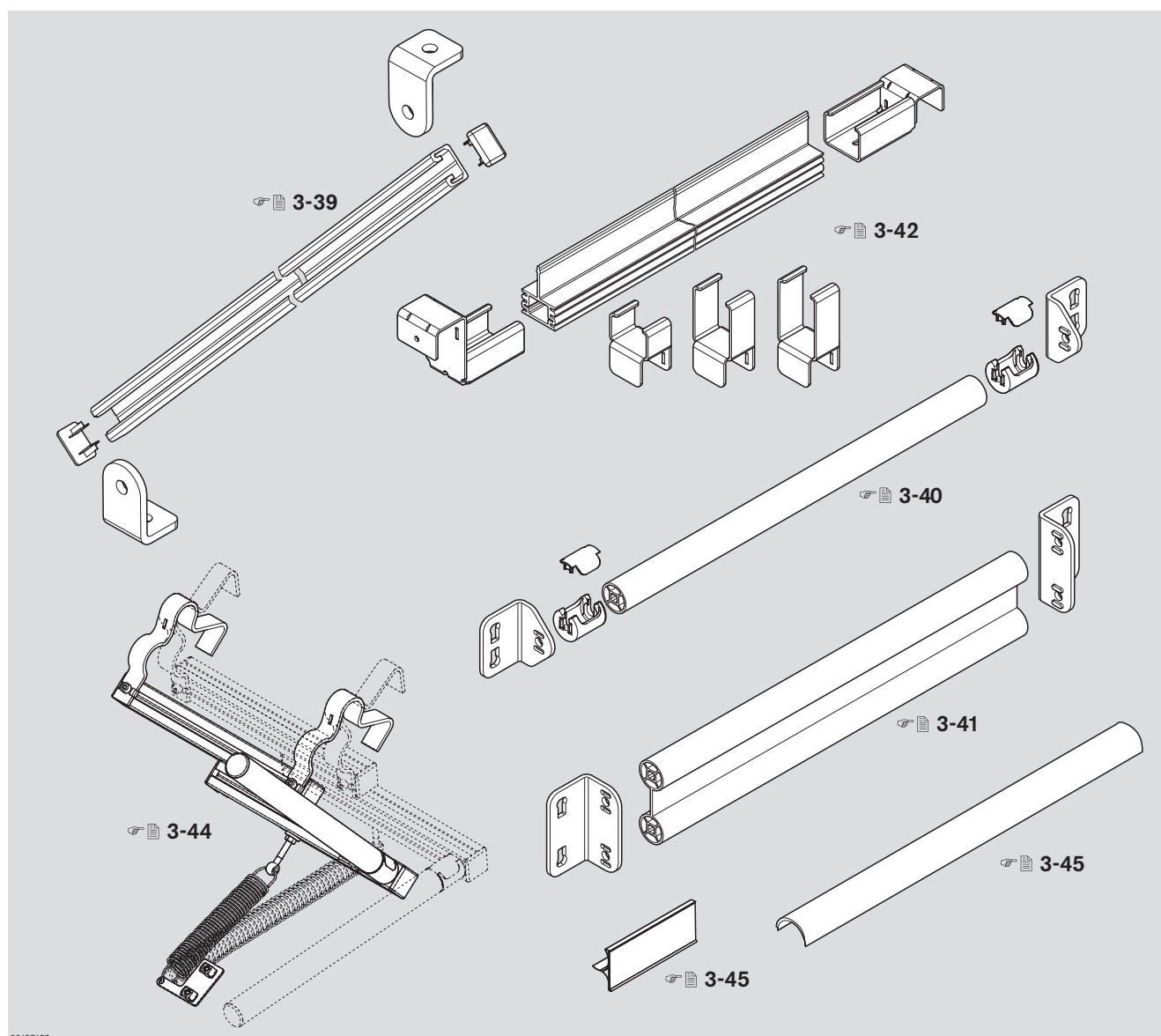
- For every flow rack type (☞ 3-40)
- Flow rack type XLean (☞ 3-46)
- Flow rack type Lean (☞ 3-50)
- Flow rack type EcoFlow (☞ 3-58)



00121536



00120905



00127189

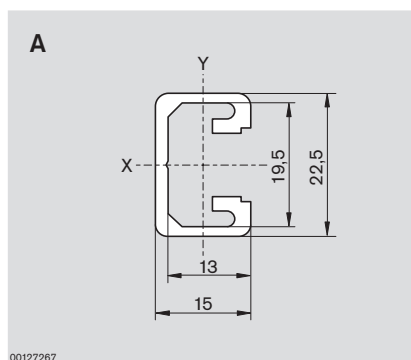
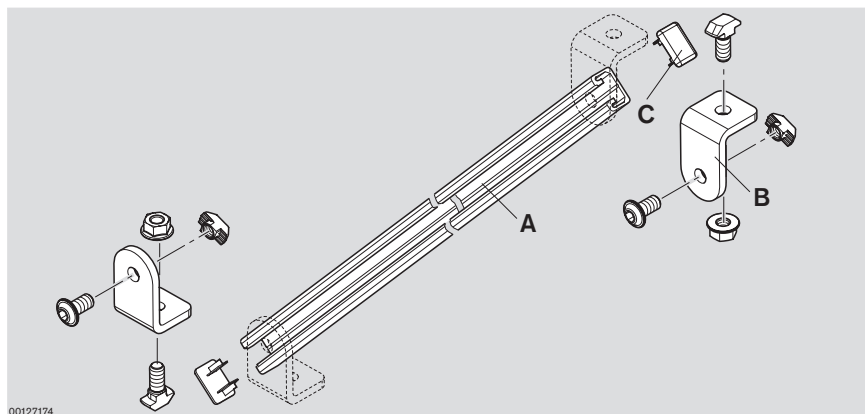
Supply of materials

Reinforcements



Reinforcements enable the construction of flow racks with a higher stability in the direction of the conveyor track. This makes it possible to implement rack loads of up to 2000 kg.

Scope of delivery: profile, caps, fastening kit

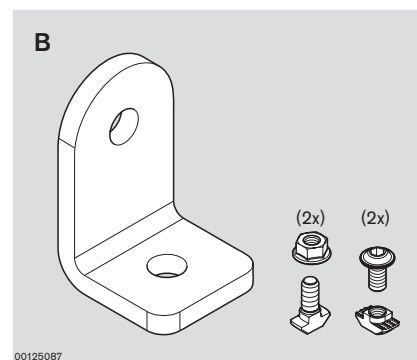


00127267

Profile 15x22.5

Material no.
3 842 992 473
30 mm ≤ L ≤ 3000 mm

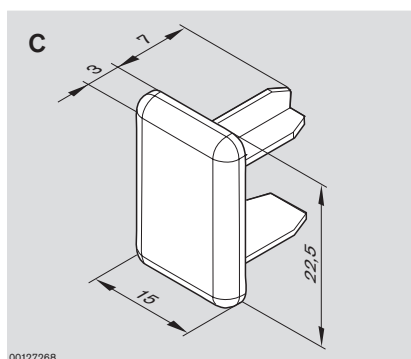
LE	Material no.
10	3 842 513 576
L = 2000 mm	



00125087

Connector

	Material no.
B	3 842 536 729



00127268

Cap

	Material no.
20	3 842 537 594

Supply of materials

Tubular cross ties



Tubular cross tie to suspend conveyor tracks/sections with rail holders. T-connectors and caps for space-saving construction of a visually appealing flow rack. Brackets for easy-to-assemble flow racks. Thanks to the bracket design with elongated holes, it is possible to compensate for fluctuations in tolerances with notches of up to ± 3 mm.

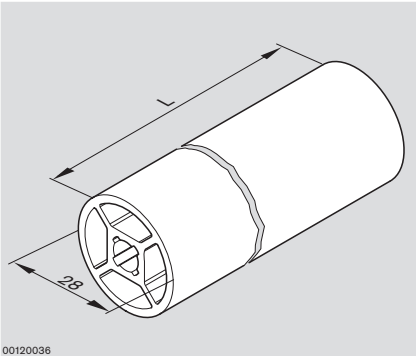
Round cap material: PA, light gray RAL 7035
ESD round cap material: PA, black
T-connector cap material: ABS, black



00127213



00126502

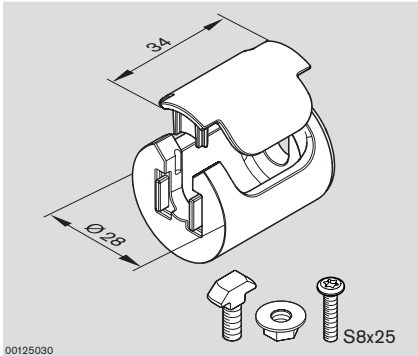


00120036

Round tube D28

Ø [mm]	LE	Material no.
28	1	3 842 993 317 / ...
30 mm ≤ L ≤ 6000 mm		
28	20	3 842 535 118
L = 6070 mm		

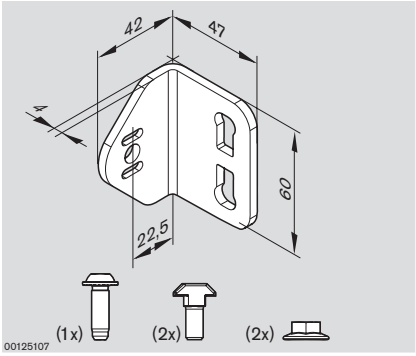
A = 2.35 cm²
I = 1.53 cm⁴
W_p = 1.1 cm³
m = 0.68 kg/m



00125030

T-connector D28

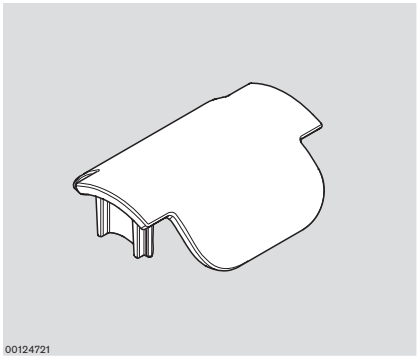
	Material no.
20	3 842 532 879



00125107

Bracket 60x47x4

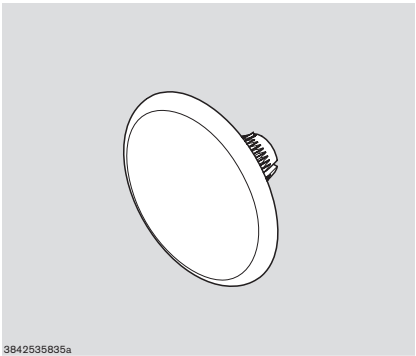
	Material no.
20	3 842 536 002



00124721

Cap, T-connector D28

	Material no.
20	3 842 532 878



3842535835a

Cap, round Ø 28

	Material no.
20	3 842 537 718
20	3 842 535 835

Supply of materials

Double tubular cross ties

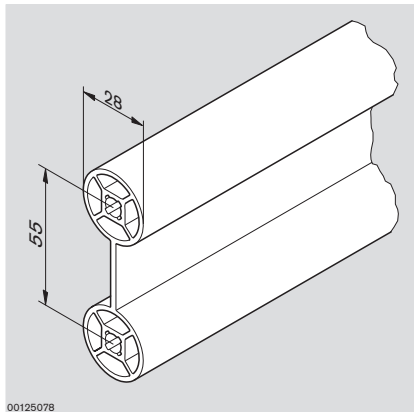
Double tubular cross ties for high cross tie loads.

Thanks to the bracket design with elongated holes, it is possible to compensate for fluctuations in tolerances with notches of up to ± 3 mm.

Bracket, holder for double round tube incl. fastening kit



00127271

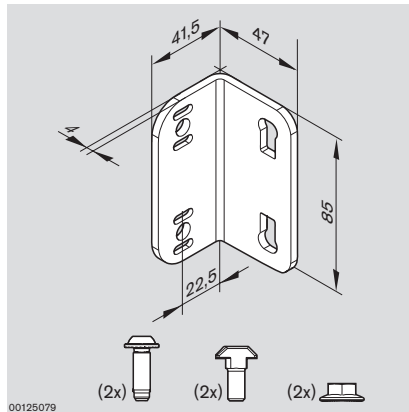


00125078

Strut profile D28x55

LE	Material no.
1	3 842 993 489/... 100 mm \leq L \leq 6000 mm
20	3 842 537 477 L = 6070 mm

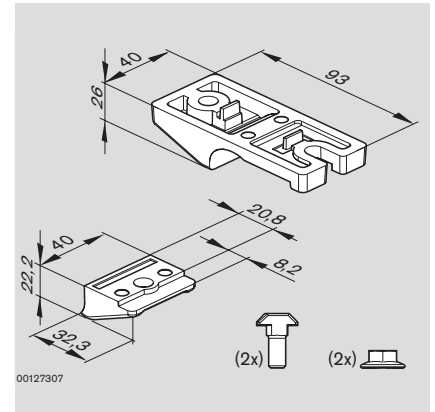
$$\begin{aligned}
 A &= 5.94 \text{ cm}^2 \\
 I_x &= 3.23 \text{ cm}^4 \\
 I_y &= 88.34 \text{ cm}^4 \\
 W_x &= 2.31 \text{ cm}^3 \\
 W_y &= 32.12 \text{ cm}^3 \\
 m &= 1.6 \text{ kg/m}
 \end{aligned}$$



00125079

Bracket 85x47x4

	Material no.
20	3 842 536 730



00127307

Holder for double round tube

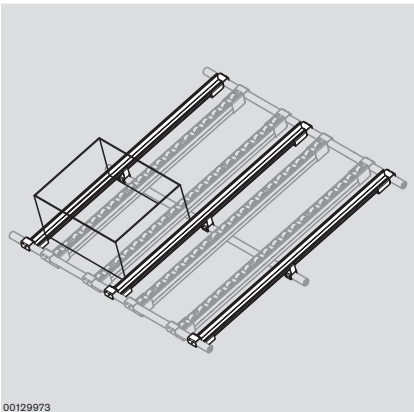
	Material no.
20	3 842 537 720

Supply of materials

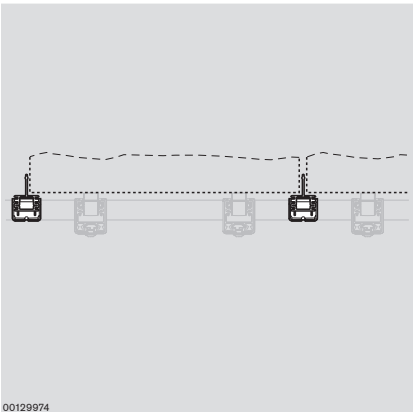
XLean, Lean: profile as transport guide



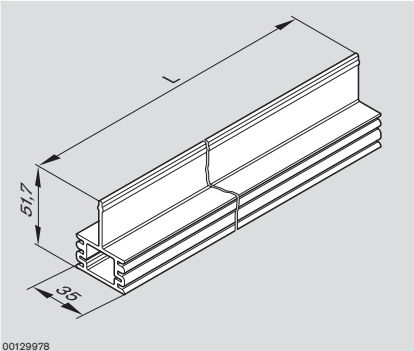
Subsequent lateral guide installation for Lean and XLean conveyor tracks. The T-shaped cross section allows the profile to be used on both sides. Only three guide profiles are necessary for two parallel-arranged conveyor tracks. Additional mounts increase stability.



00129973



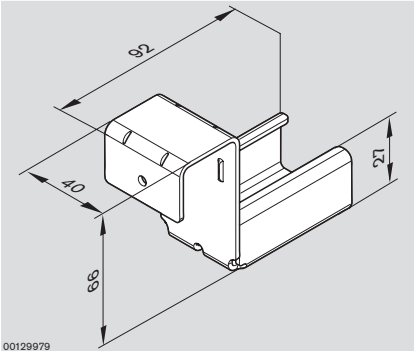
00129974



00129978

Polymer profile

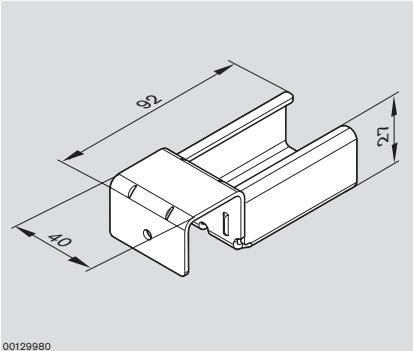
LE	Material no.
1	3 842 993 615/...
1	⚠ 3 842 993 617/...
30 mm ≤ L ≤ 3000 mm	
20	3 842 538 108
20	⚠ 3 842 538 107
L = 3000 mm	



00129979

Rail holder with stop

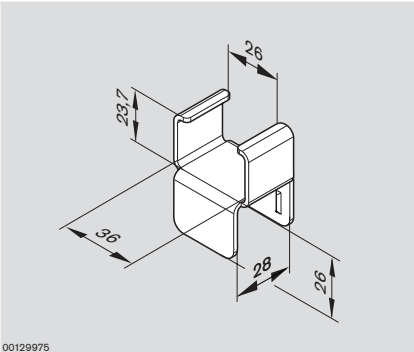
	Material no.
20	3 842 538 051



00129980

Rail holder without stop

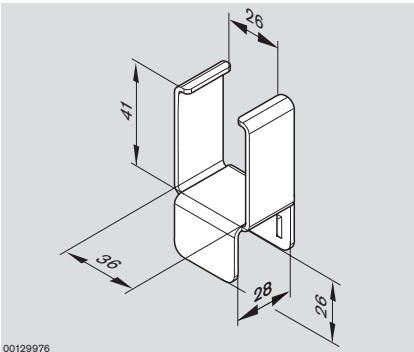
	Material no.
20	3 842 538 050



00129975

Mount XLean

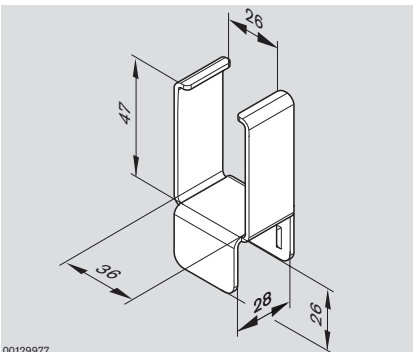
	Material no.
20	3 842 538 102



00129976

Mount Lean for RT, RTW, DRT

	Material no.
20	3 842 538 052



00129977

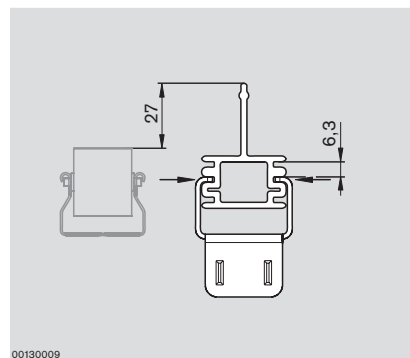
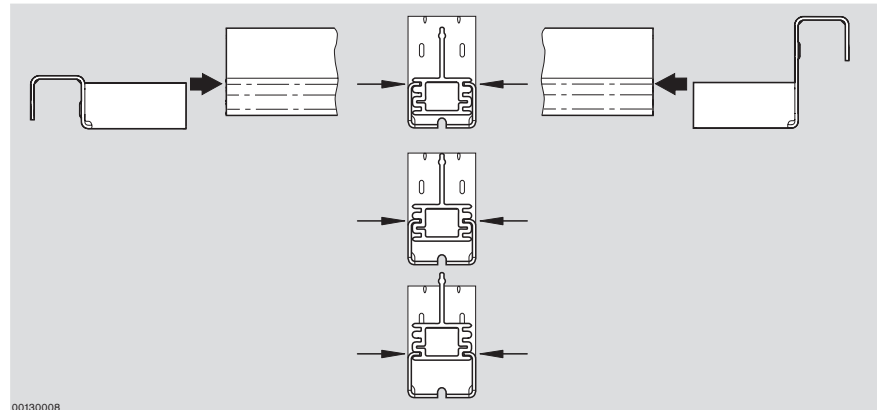
Mount Lean for DRT with holder for double round tube

	Material no.
20	3 842 538 130

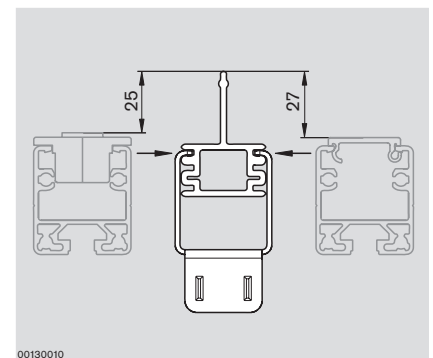
Supply of materials

XLean, Lean: profile as transport guide

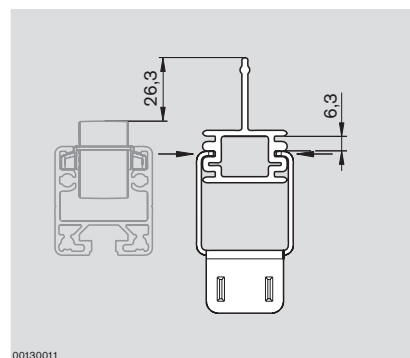
The guide profile can be positioned at three heights in the rail holder and mounts. It is thus suitable for all conveyor media in the XLean and Lean flow rack systems.



XLean: FM = D28, D28SK



Lean: FM = RE45, RE45SK, GS, GSSK



Lean: FM = D32/37,5, D32/50, D32SK/50

Supply of materials

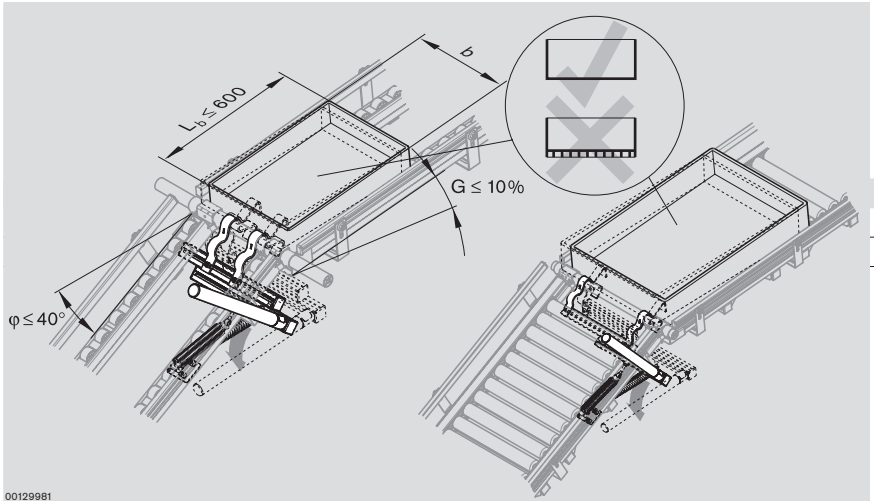
Lift aid

The lift aid, combined with the flexible bridge, enables easy and ergonomic supply of containers and materials. It can be used for all flow rack systems with round tubular cross ties. Depending on the container width, two lift aids are available.

Scope of delivery: strut profile, return spring, mounting bracket, fastening kit



00129984



Lift aid

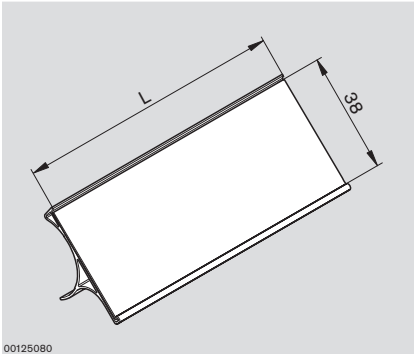
b [mm]	Material no.
200 ≤ b ≤ 400	3 842 538 336
401 ≤ b ≤ 600	3 842 538 337

Supply of materials



Lettering clips

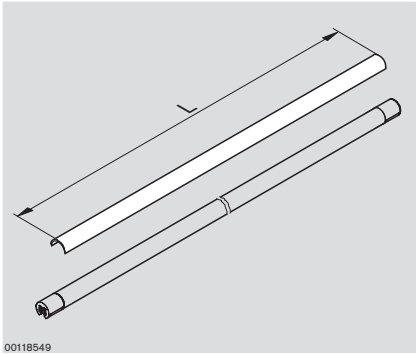
Self-adhesive lettering clips for tubular cross ties and double tubular cross ties in various lengths and designs to label flow racks, workstations, and material shuttles.

Material: PVC





Lettering clip for double tubular cross tie

	Material no.
20	3 842 537 119
L = 2000 mm	
	Material no.
20	3 842 537 652
L = 102 mm	



Lettering clip for tubular cross tie

	Material no.
20	3 842 535 136
L = 2000 mm	
	Material no.
20	3 842 538 093
L = 102 mm	

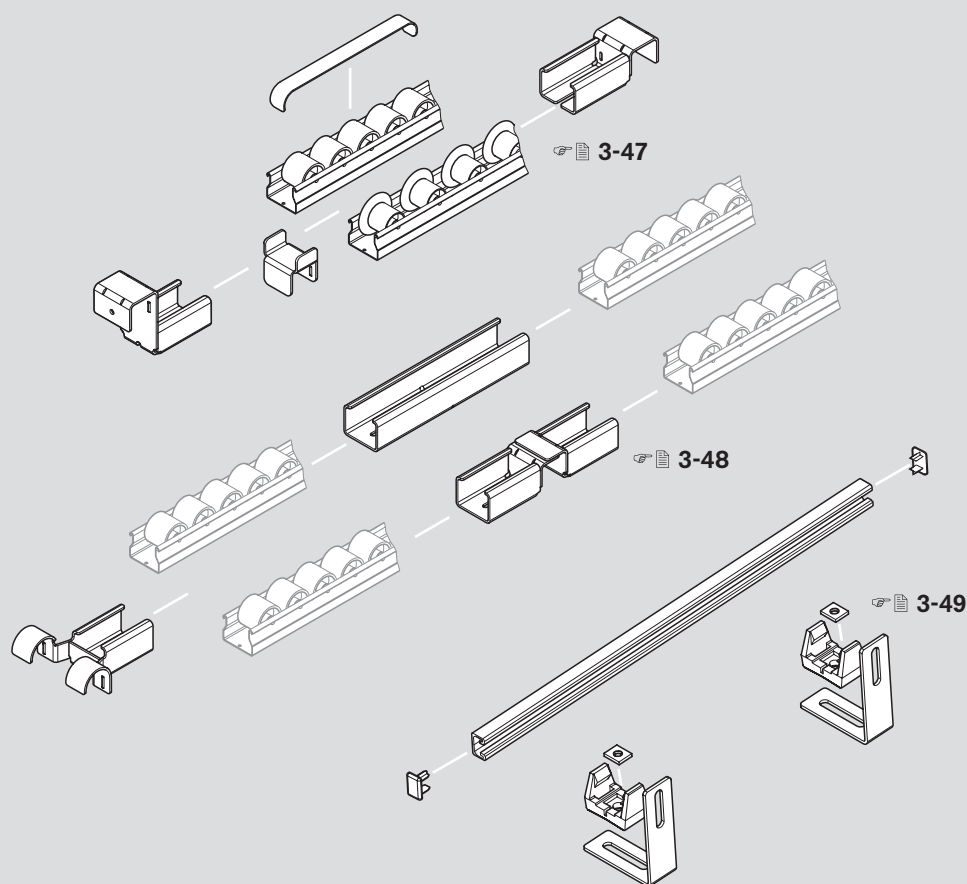
Supply of materials

Individual components for flow rack system XLean

The roller section, consisting of a steel profile and rollers with or without a roller flange, are a particularly cost-effective alternative for conveyor track construction. Roller sections are suspended simply and securely on the tubular cross tie (☞ 3-20) with a rail holder. The brake is clipped over the rollers of the section and gently brakes the containers.

Roller sections can be extended easily and quickly using section links. Bridges are an additional option to reinforce flow racks.

Thanks to the flexible bridge, you are able to ergonomically supply containers in the flow rack system or at the workstation.



Supply of materials

XLean: roller sections, brakes, rail holders, mounts



Roller material: PE, gray

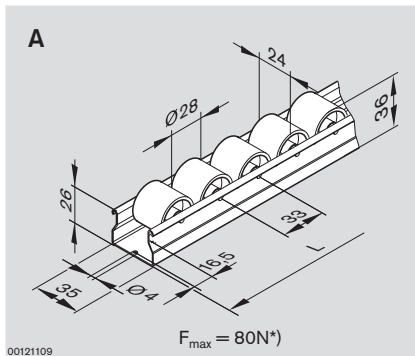
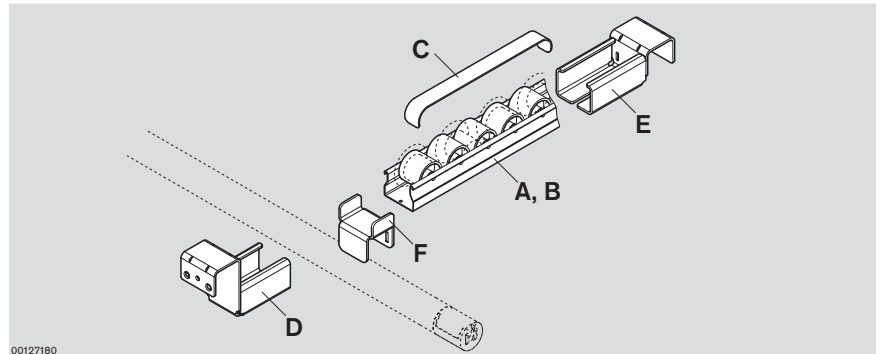
ESD roller material: PA, black $10^8 \Omega$ Load: F_{\max} /roller

Profile material: sheet steel, galvanized

Rail holder material: steel, galvanized

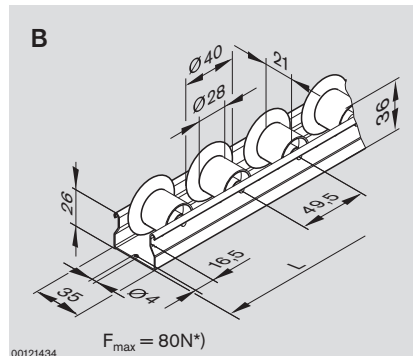
Brake material: stainless steel

Rail holder incl. fastening material



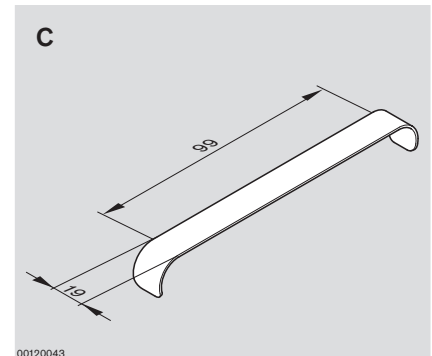
Roller section D28

L [mm]	Material no.
100-4500	3 842 993 321 / ...
100-4500	3 842 993 431 / ...



Roller section D28SK

L [mm]	Material no.
100-4500	3 842 993 322 / ...
100-4500	3 842 993 432 / ...

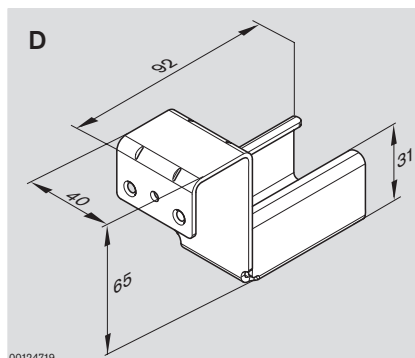


Brake

	Material no.
20	3 842 532 871

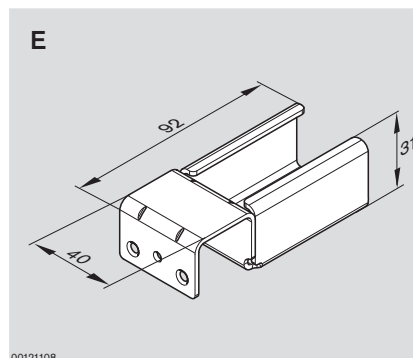
L [mm]	Material no.
4500	50 3 842 537 776
4500	50 3 842 537 778

L [mm]	Material no.
4500	50 3 842 537 777
4500	50 3 842 537 779



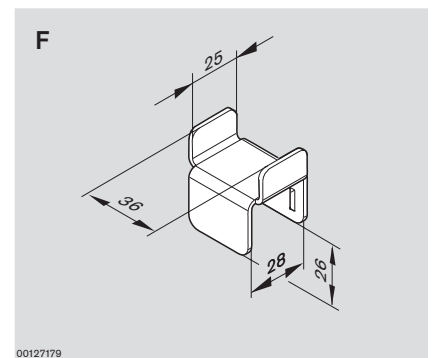
Rail holder with stop

	Material no.
20	3 842 538 372



Rail holder without stop

	Material no.
20	3 842 537 687



Mount

	Material no.
20	3 842 537 657

Supply of materials

XLean: section links, bridges

Section link to easily extend roller sections.

Bridge to connect roller sections and simultaneously suspend it in a tubular cross tie for additional system reinforcement.

Material for all: steel, galvanized

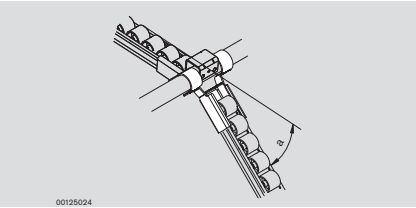
Flexible bridge for ergonomic supply of containers in the flow rack system or at the workstation. The container is stopped at the rail holder of the rear track and manually moved into an ergonomic removal position via the flexible bridge. A lift aid (🔗 3-44) can be installed additionally.

- Dimension angle a:
- Max. 40° from horizontal position with tubular cross tie
 - Max. 30° from horizontal position with double tubular cross tie

Accessories: lift aid (🔗 3-44)



00129984



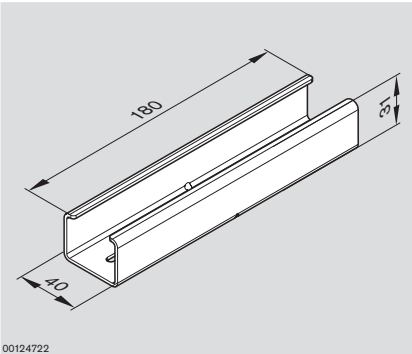
00125024



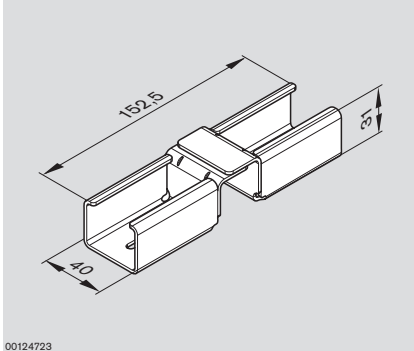
00127280



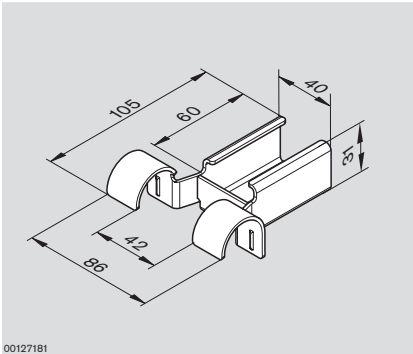
00127273



00124722



00124723



00127181

Section link

	Material no.
20	3 842 536 722

Bridge

	Material no.
20	3 842 536 724

Flexible bridge

	Material no.
20	3 842 537 911

Supply of materials

XLean: lateral guides



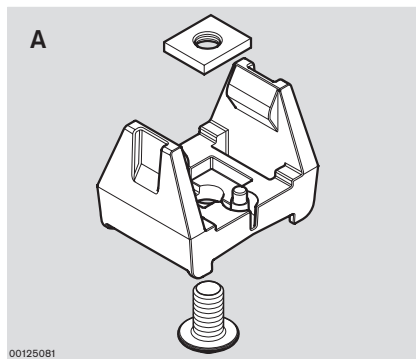
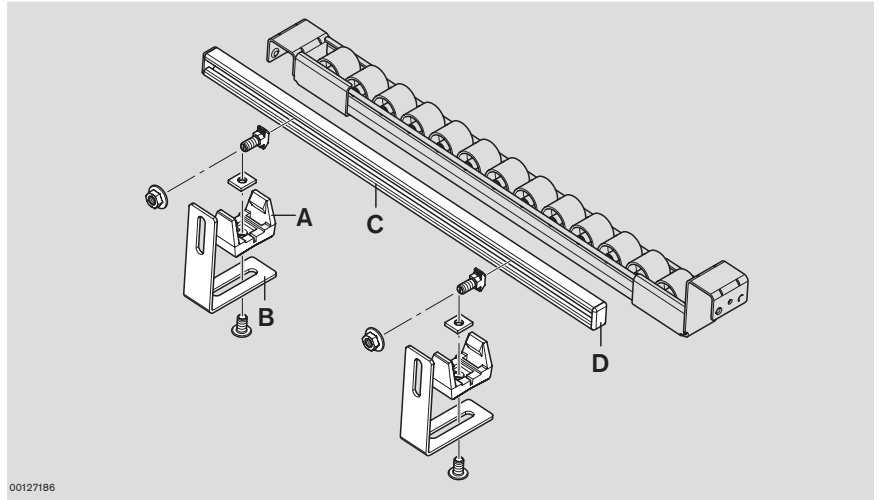
Individual components to construct a lateral guide.

Adapter material: PA, black

Bracket material: steel, galvanized

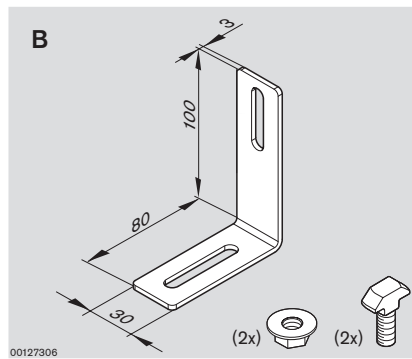
Profile material: aluminum, natural

Cap material: PA, black



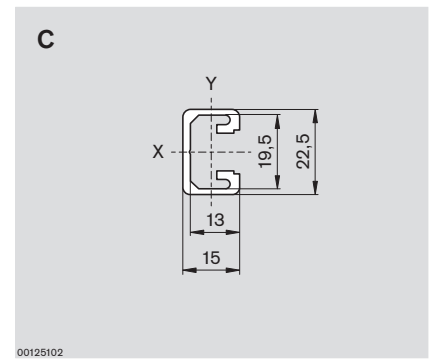
Adapter

		Material no.
20		3 842 537 022



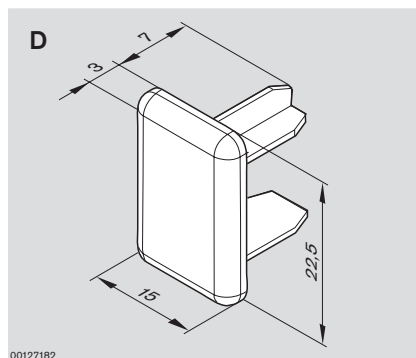
Mounting bracket

		Material no.
20		3 842 535 125



Profile 15x22.5

	Material no.
	3 842 992 473 / ...
	30 mm ≤ L ≤ 3000 mm



Cap

		Material no.
D	20	3 842 537 594

LE	Material no.
10	3 842 513 576
	L = 2000 mm

Supply of materials

Individual components for flow rack systems Lean

In the U-profile, rollers are installed together with roller carriers and steel axes, slide rails, or roller elements. The U-profile is suspended on a tubular cross tie simply and securely using rail holders.

If stop plates are used, the U-profile can be fastened in the 10 mm groove on the underside of the profile using e.g. brackets on other profiles or tube clips on round tubes.

The flexible bridge provides you with the option to create curved conveyor tracks, thus supplying material in an ergonomic manner.

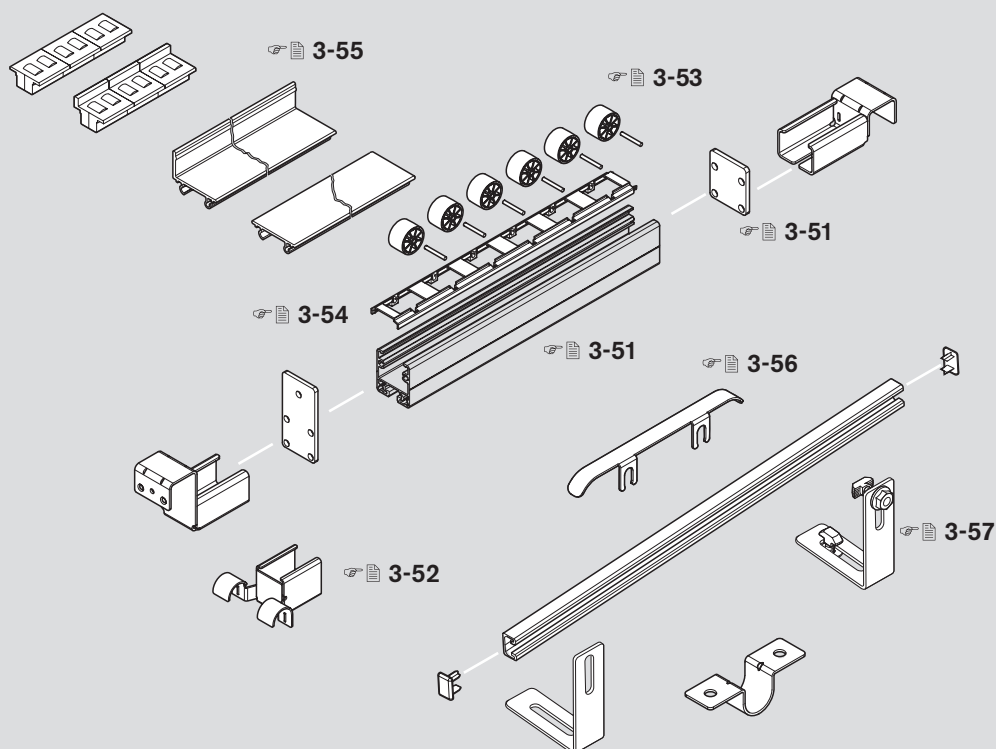
Rollers in various colors make inventory information clearly visible according to the multi-colored kanban system.

Containers are gently stopped with the brake.

U-profile material: aluminum, anodized

Rail holder material: steel, galvanized

Stop plate material: steel, galvanized



Supply of materials

Lean - U-profiles, rail holders, stop plates



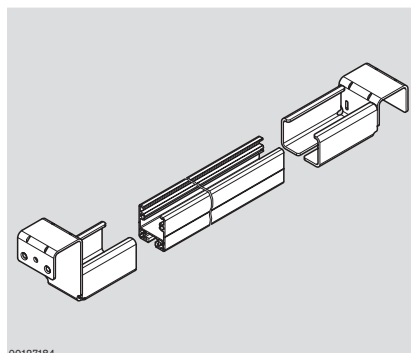
U-profile material: aluminum, anodized

ESD U-profile material: aluminum, chromated

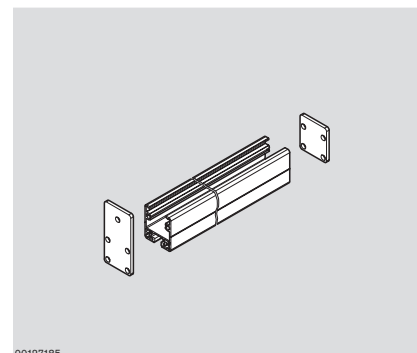
Rail holder material: steel, galvanized

Stop plate material: steel, galvanized

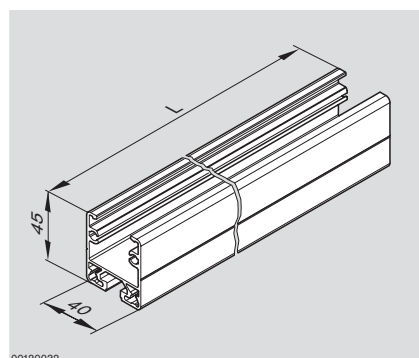
Rail holder and stop plates incl. fastening kit



00127184



00127185

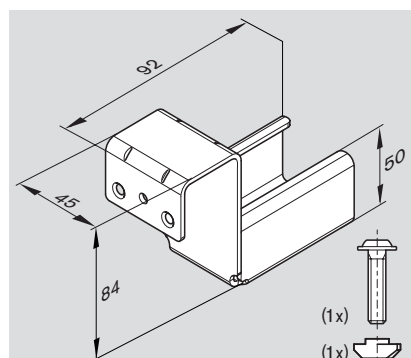


00120032

U-profile

LE	Material no.
1	3 842 993 316 / ...
1	3 842 993 926 / ...
30 mm ≤ L ≤ 6000 mm	

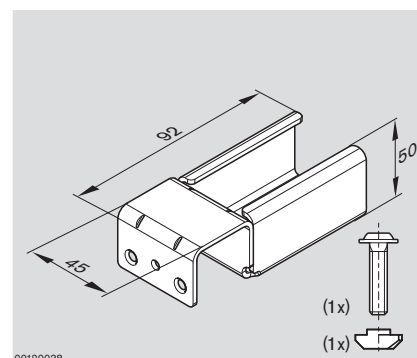
LE	Material no.
20	3 842 535 115
20	3 842 538 846
L = 6070 mm	



00120037

Rail holder with stop

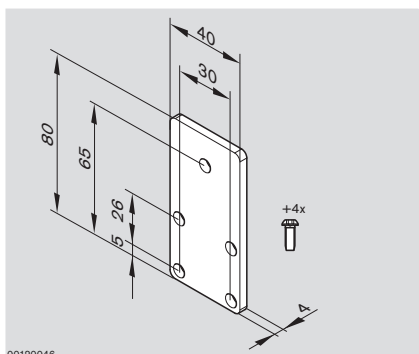
	Material no.
20	3 842 537 660



00120038

Rail holder without stop

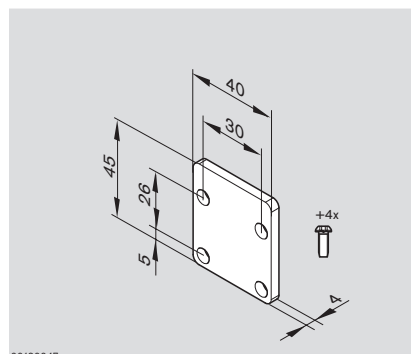
	Material no.
20	3 842 537 661



00120046

Stop plate 40x80 mm

	Material no.
20	3 842 535 121



00120047

Stop plate 40x45 mm

	Material no.
20	3 842 535 122

Supply of materials

Lean: flexible bridges

Flexible bridge for ergonomic supply of containers in the flow rack system or at the workstation. The container is stopped at the flexible bridge and manually moved into an ergonomic removal position.

Dimension angle a:

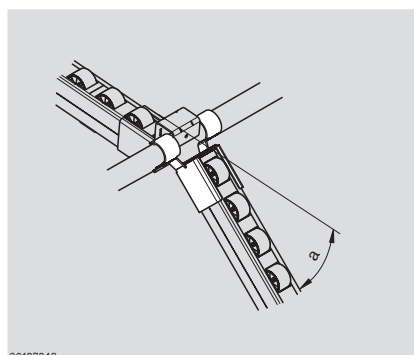
- Max. 40° from horizontal position with tubular cross tie
- Max. 30° from horizontal position with double tubular cross tie

Flexible bridge material: steel, galvanized

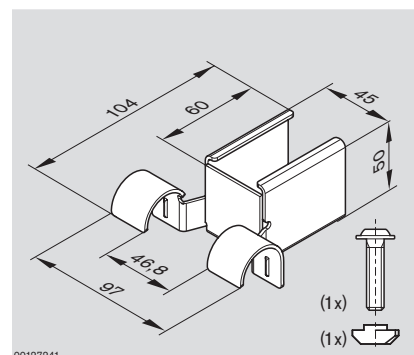
Accessories: lift aid (☞ 3-44)



00129984



00127242



00127241

Flexible bridge

	Material no.
☞ 20	3 842 537 951

Supply of materials

Lean: rollers



Rollers in various colors make inventory information clearly visible in the entire process according to the multi-colored kanban system. The rollers are supported by the steel axis in the roller carrier.

To brake the containers gently, the rollers can be later equipped with a brake (☞ 3-56).

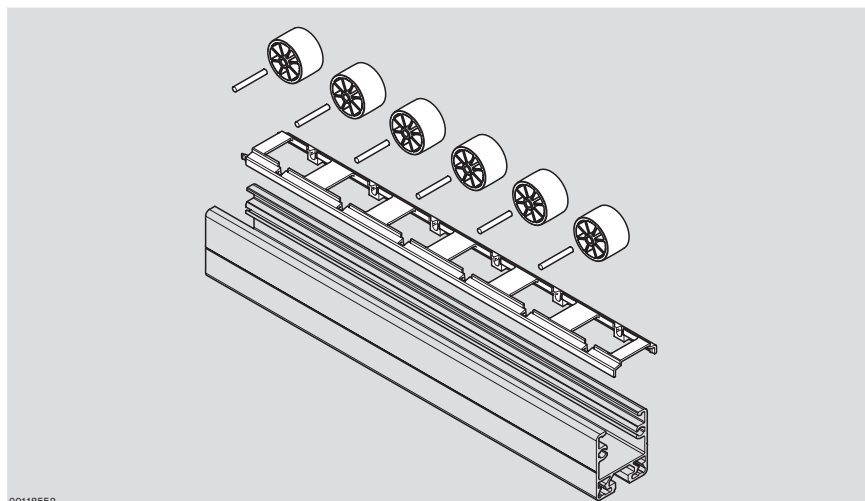
Roller material: PE, black/red/yellow/green

ESD roller material: PA66, black

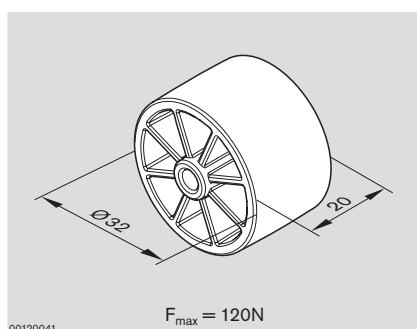
ESD roller material: PA6, MHRZ, colored

Steel axis material: stainless steel

Roller carrier material: ABS, black



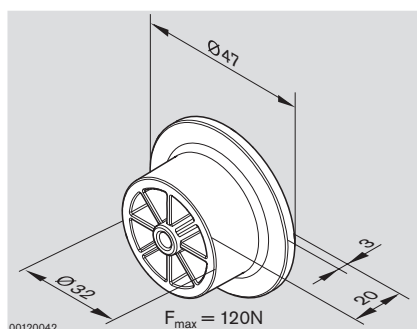
00118552



00120041

Roller D32

			Material no.
● RAL9011	100		3 842 532 865
RAL9011	100	⚠	3 842 537 961
● RAL3001	100		3 842 532 866
Similar to RAL 2002	100	⚠	3 842 537 960
● RAL1003	100		3 842 532 870
Similar to RAL 1012	100	⚠	3 842 537 959
● RAL6032	100		3 842 532 752
Similar to RAL 6000	100	⚠	3 842 537 958



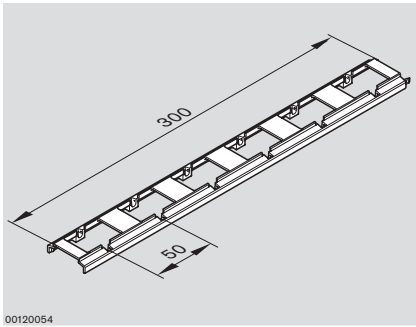
00120042

Roller with roller flange D32SK



			Material no.
● RAL9011	100		3 842 532 867
RAL9011	100	⚠	3 842 537 965
● RAL3001	100		3 842 532 883
Similar to RAL 2002	100	⚠	3 842 537 964
● RAL1003	100		3 842 532 884
Similar to RAL 1012	100	⚠	3 842 537 963
● RAL6032	100		3 842 532 880
Similar to RAL 6000	100	⚠	3 842 537 962

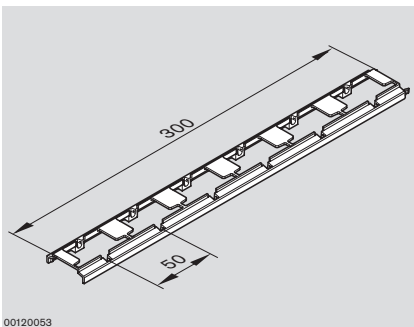
Supply of materials

Lean: roller carriers, steel axis





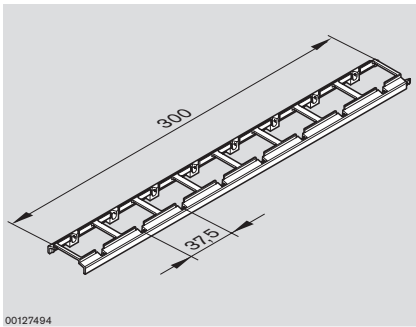
Roller carrier D32/50

I [mm]		Material no.
300	20	3 842 532 887
300	20 	3 842 538 094





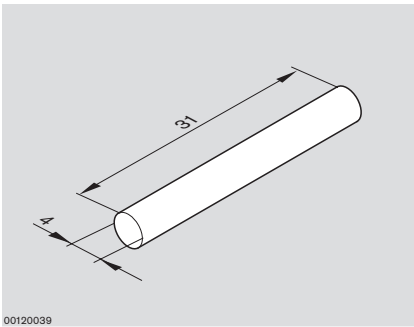
Roller carrier D32SK/50

I [mm]		Material no.
300	20	3 842 532 886
300	20 	3 842 537 947



Roller carrier D32/37.5

I [mm]		Material no.
300	20	3 842 537 944
300	20 	3 842 537 945



Steel axis

	Material no.
100	3 842 532 862

Supply of materials

Lean: slide rails, roller elements

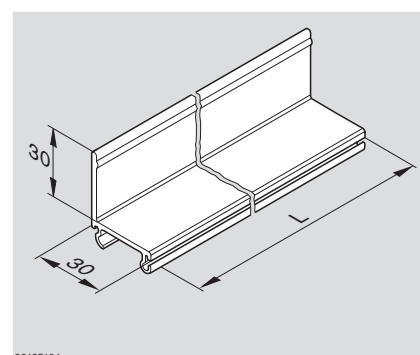
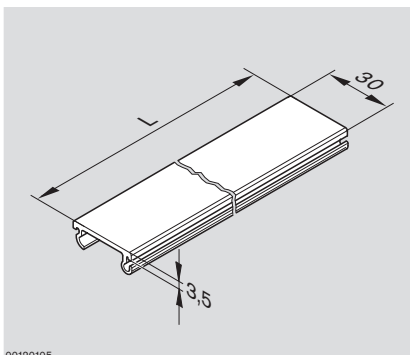
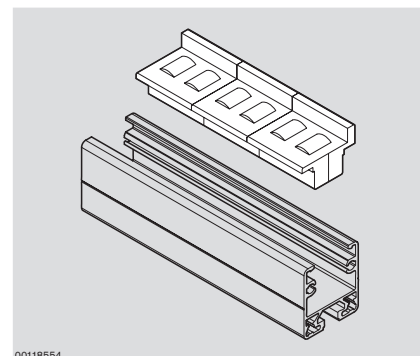
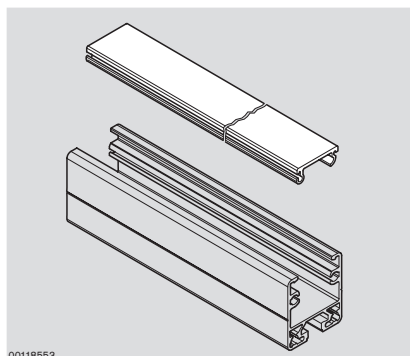


The slide rail is particularly suited for use with heavy containers or larger gradients on the conveyor track. Roller elements are best suited for containers with a roughly structured base.

Slide rail material: PVC, gray; conductive in PVC, black

Roller element material: PA 6, black

ESD roller element material: PA, black



Slide rail

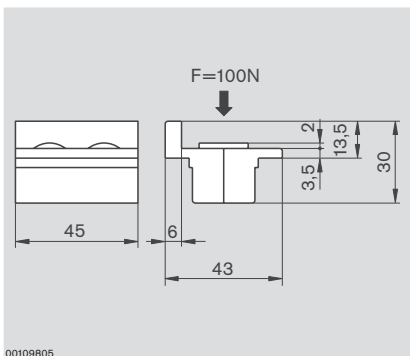
Material no.
3 842 993 319 / ...
3 842 993 536 / ...
$30 \text{ mm} \leq L \leq 3000 \text{ mm}$

Material no.
20 3 842 535 124
20 3 842 537 803
$L = 3000 \text{ mm}$

Slide rail, outside SF

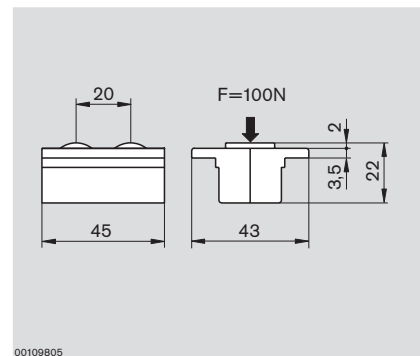
Material no.
3 842 993 521 / ...
3 842 993 522 / ...
$30 \text{ mm} \leq L \leq 3000 \text{ mm}$

Material no.
20 3 842 537 806
20 3 842 537 807
$L = 3000 \text{ mm}$



Roller element RE45SK

Material no.
100 3 842 319 500
100 3 842 538 065



Roller element RE45

Material no.
100 3 842 319 501
100 3 842 538 064

Supply of materials

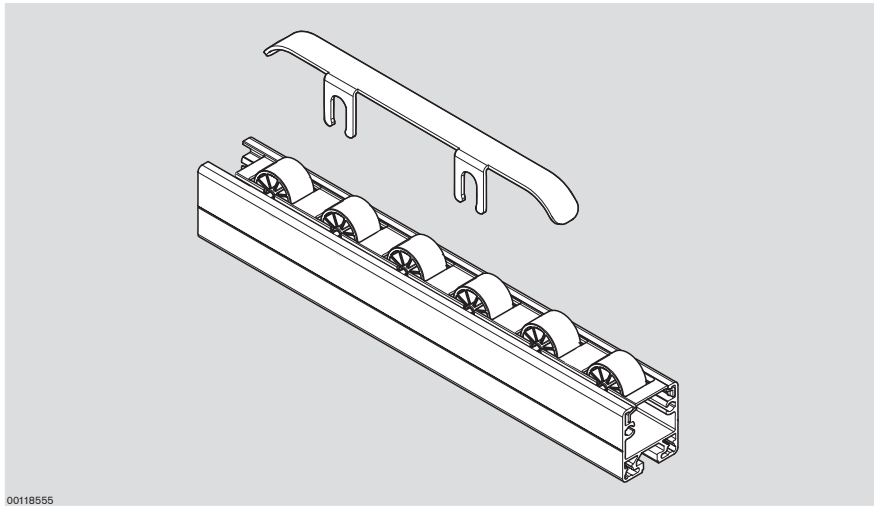
Lean: brakes

The brake is clipped over the rollers and gently brakes the containers.

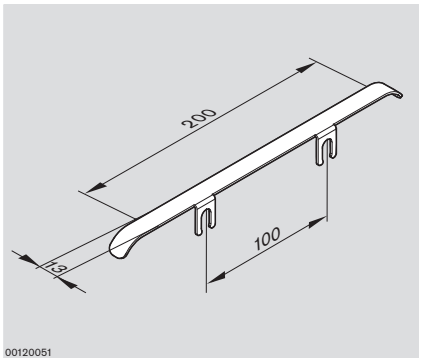
Material: steel, galvanized



00121536



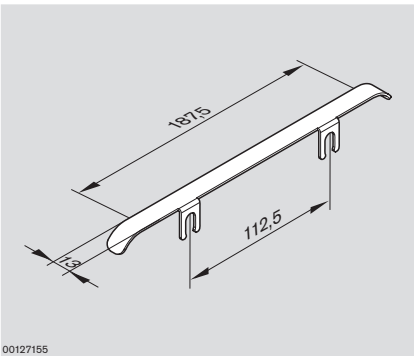
00118555



00120051

Brake D32/50, D32SK/50

	Material no.
20	3 842 532 881



00127155

Brake D32/37.5

	Material no.
20	3 842 537 948

Supply of materials

Lean: mounting brackets, tube clips



A lateral guide, e.g. from a profile 15x22.5, is installed onto a conveyor track using a mounting bracket. The tube clip acts as a fastener for the U-profile (☞ 3-51) on a tubular cross tie (☞ 3-20), e.g. for additional stability with heavier loads.

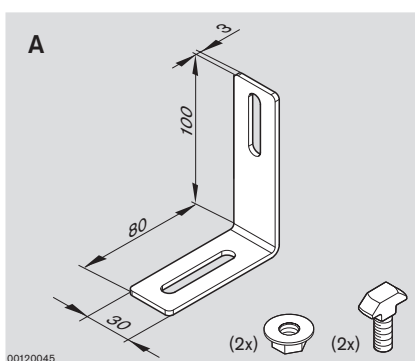
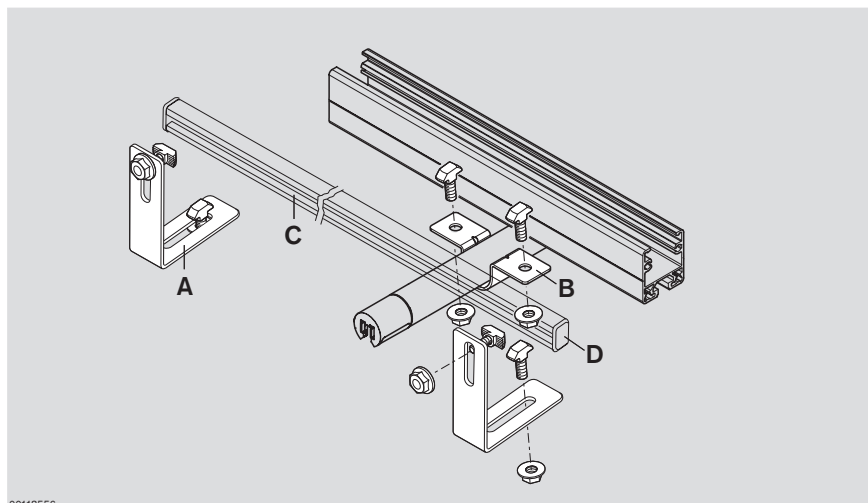
Includes fastening kit.

Mounting bracket material: steel, galvanized

Tube clip material: steel, galvanized

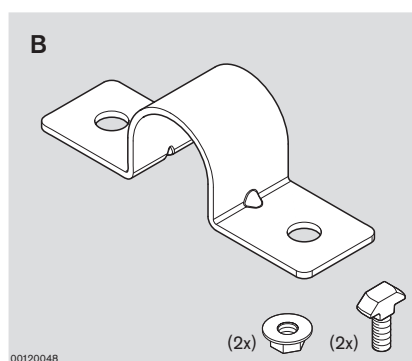
Profile: aluminum, natural

Cap material: PA, black



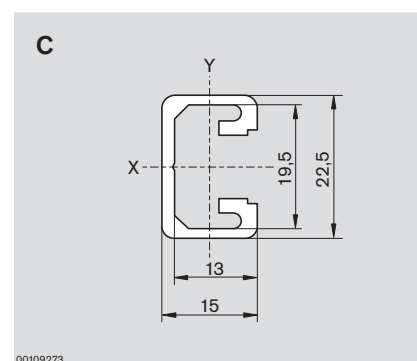
Mounting bracket

		Material no.
A	20	3 842 535 125



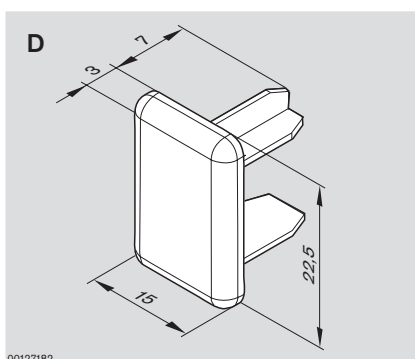
Tube clip D28

Ø [mm]		Material no.
28	20	3 842 535 364



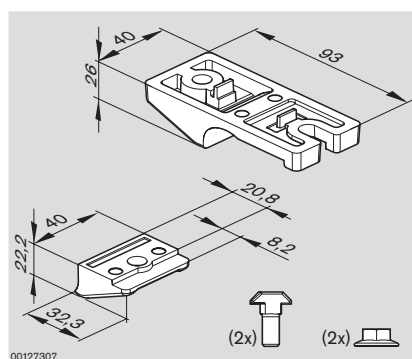
Profile 15x22.5

	Material no.
C	3 842 992 473 / ...
	30 mm ≤ L ≤ 3000 mm



Cap

		Material no.
D	20	3 842 537 594



Holder for double round tube

		Material no.
	20	3 842 537 720

Incl. fastening material

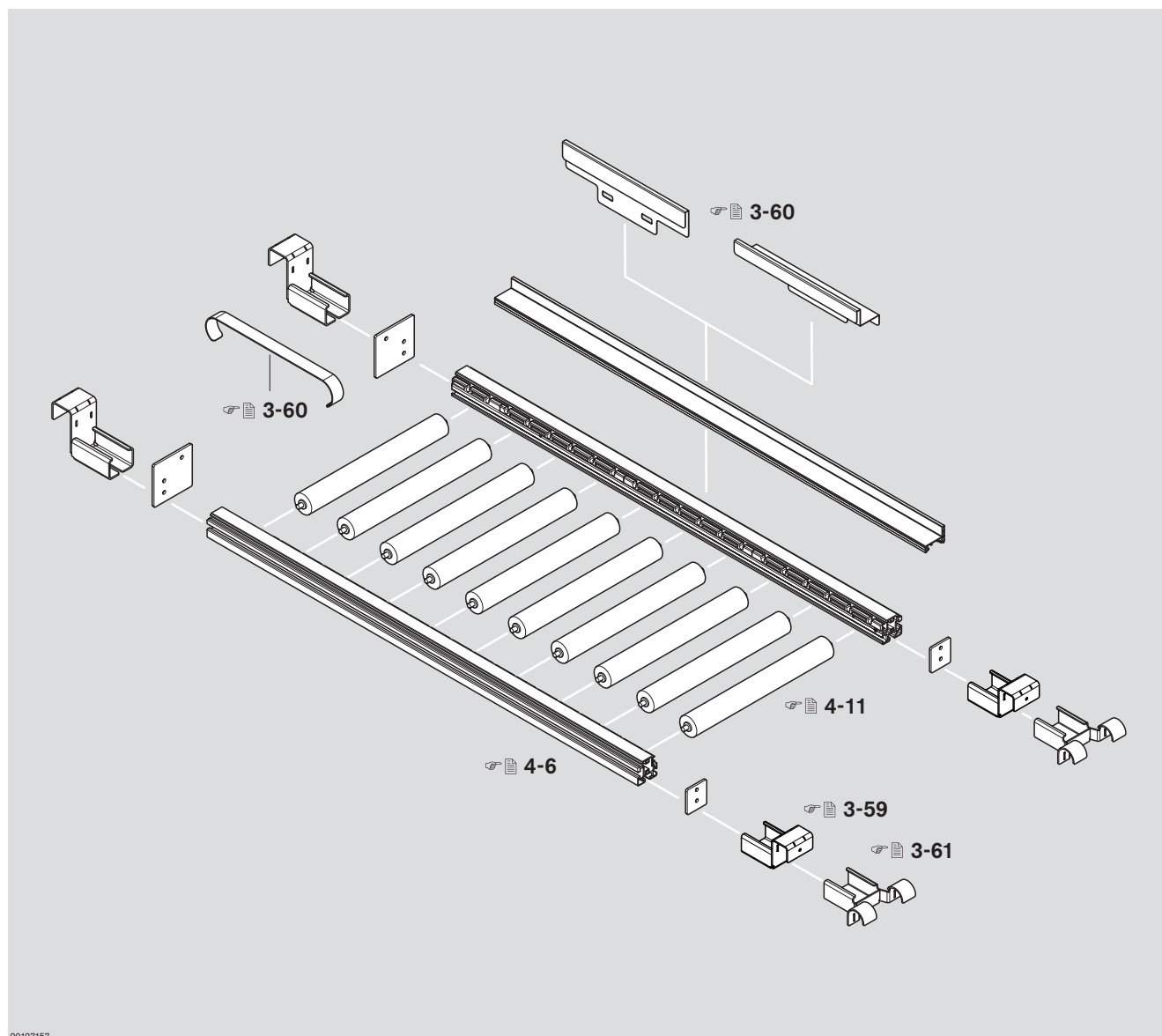
Supply of materials

Individual components for flow rack systems EcoFlow

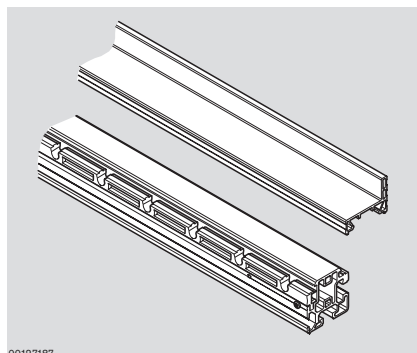
The guide profile is clipped onto the section profile. It can be mounted optionally with the border on the inside or outside of the conveyor track. The conveyor track is suspended simply and securely on the tubular cross tie or double tubular cross tie with a rail holder.

If stop plates are used, the section profile can be fastened in the 10 mm groove on the underside of the profile using e.g. brackets on other profiles or tube clips on round tubes. Protective covers are used to shield the guide profile.

Containers are gently stopped with the brake. The flexible bridge provides you with the option to create curved conveyor tracks, thus supplying material in an ergonomic manner. Rollers and further accessories can be found in chapter "Manual links".

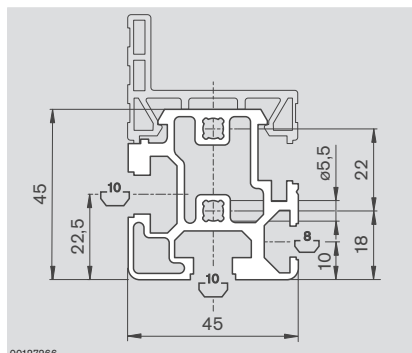


EcoFlow: section profiles, guide profiles, stop plates, rail holders



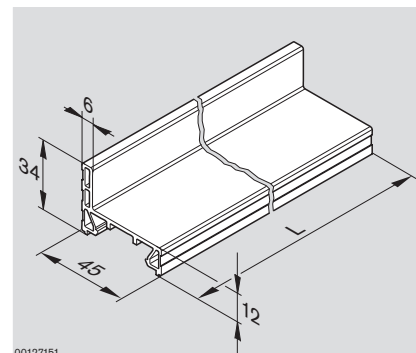
Section profile material: aluminum, natural, anodized

Guide profile material: PVC






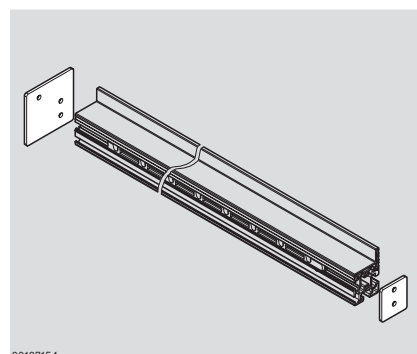
EcoFlow section profile

LE	Material no.
1	3 842 993 029 / ...
	30 mm ≤ L ≤ 6070 mm
20	3 842 537 321
	L = 6070 mm

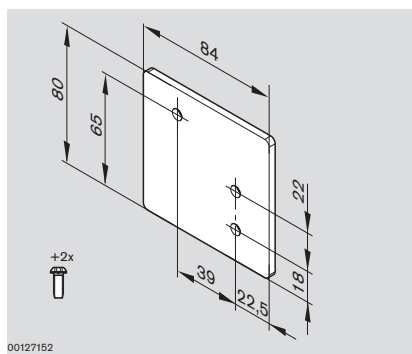


MV45 guide profile

	Material no.
10	3 842 525 443
10 	3 842 526 034
	L = 3000 mm
1	3 842 993 511
1 	3 842 993 512
	70 mm ≤ L ≤ 3000 mm

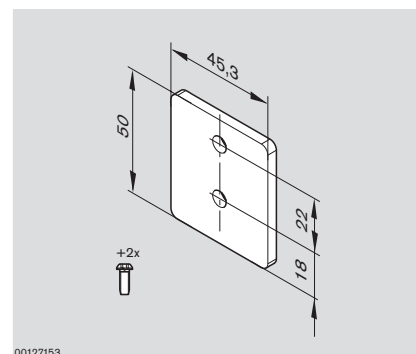


Stop plate material: steel, galvanized



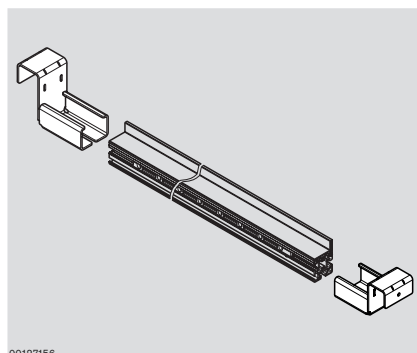
Stop plate with stop

	Material no.
20	3 842 537 593

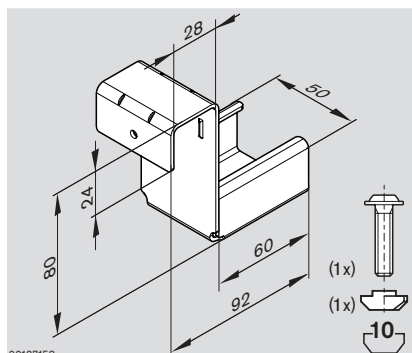


Stop plate without stop

	Material no.
20	3 842 537 592

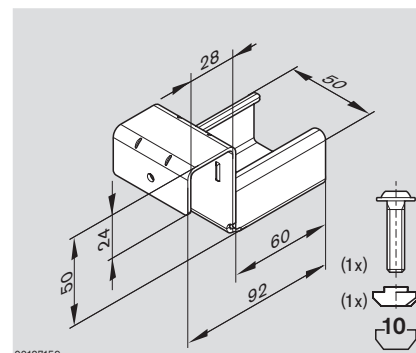


Rail holder material: steel, galvanized



Rail holder with stop

	Material no.
20	3 842 537 664



Rail holder without stop

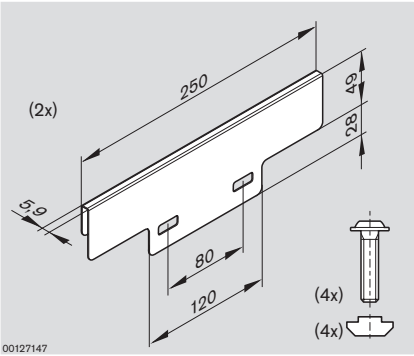
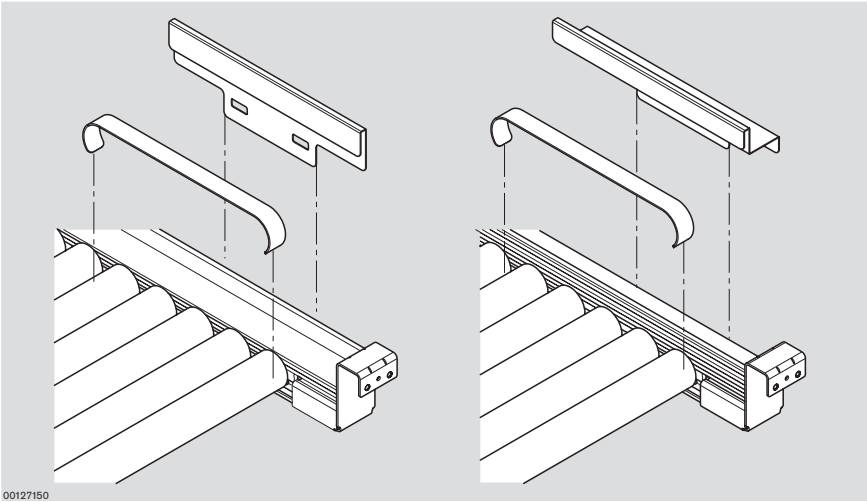
	Material no.
20	3 842 537 665

Supply of materials

EcoFlow: protective covers, brakes

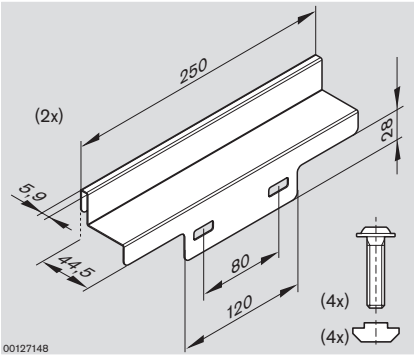
A protective cover can be mounted to shield the border of the conveyor track. The brake is clipped over the rollers and gently brakes containers.

Protective cover and brake material:
steel, galvanized




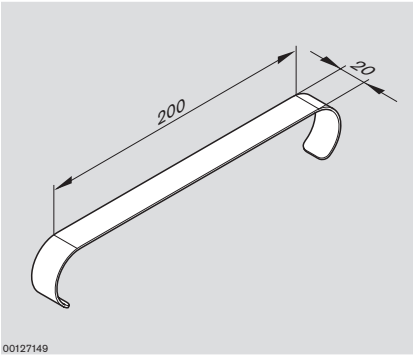
Outer slide rail protective cover (BG = 0)

	Material no.
Set	3 842 537 583



Inner slide rail protective cover (BG = 1)

	Material no.
Set	3 842 537 584



Brake EcoFlow

	Material no.
20	3 842 537 740

Supply of materials

EcoFlow: flexible bridges

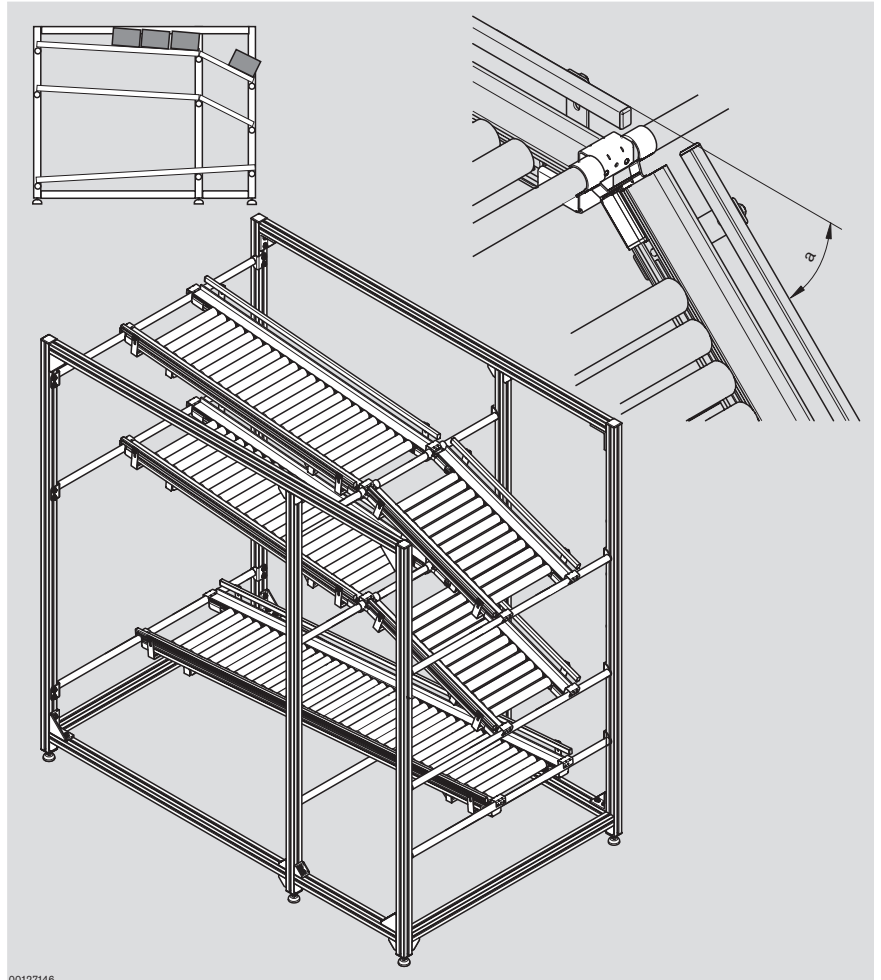
Flexible bridge for ergonomic supply of containers in the flow rack system or at the workstation. The container is stopped at the rail holder of the rear track and manually moved into an ergonomic removal position via the flexible bridge. A lift aid (☞ 3-44) can be installed additionally.

Dimension angle a:

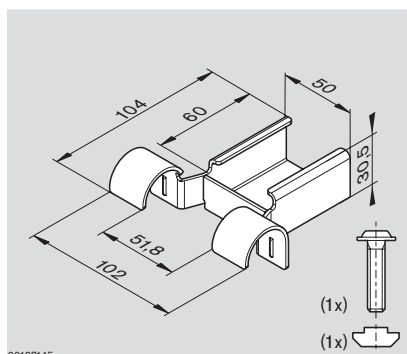
- Max. 40° from horizontal position with tubular cross tie
- Max. 30° from horizontal position with double tubular cross tie

Flexible bridge material: steel, galvanized

Accessories: lift aid (☞ 3-44)



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00127145

Flexible bridge



20

Material no.
3 842 537 950

Supply of materials

EcoFlow: mounting brackets, tube clips



A lateral guide, e.g. from a profile 15x22.5, is installed onto a conveyor track using a mounting bracket.

The tube clip acts as a fastener for the U-profile (🔗 3-51) on a tubular cross tie (🔗 3-20), e.g. for additional stability with heavier loads.

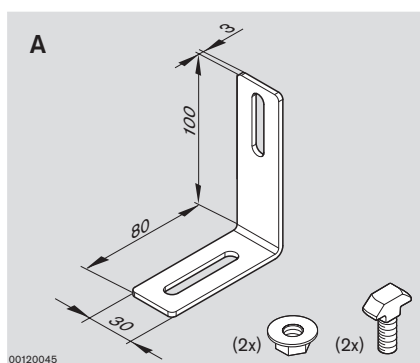
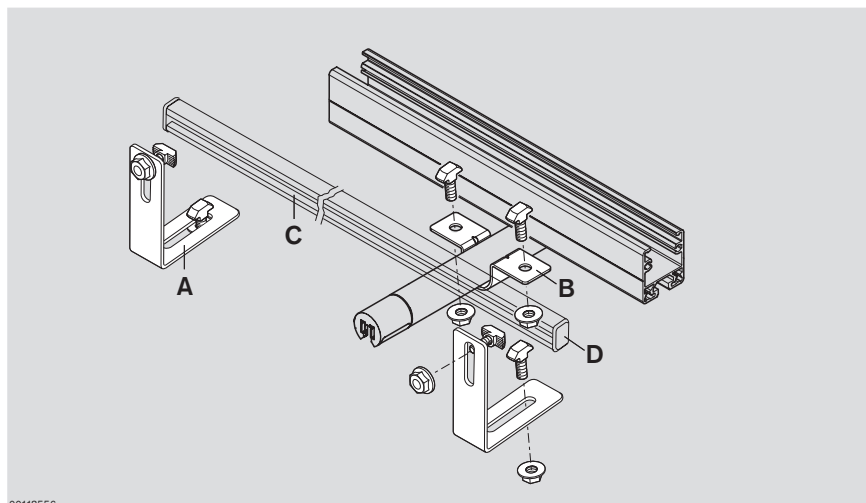
Includes fastening kit.

Mounting bracket material: steel, galvanized

Tube clip material: steel, galvanized

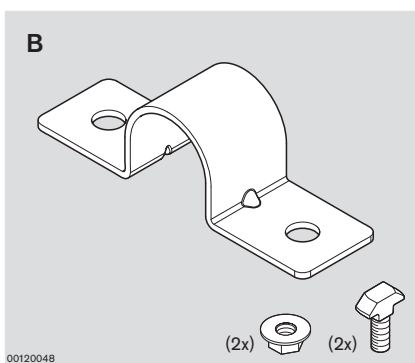
Profile material: aluminum, natural

Cap material: PA, black



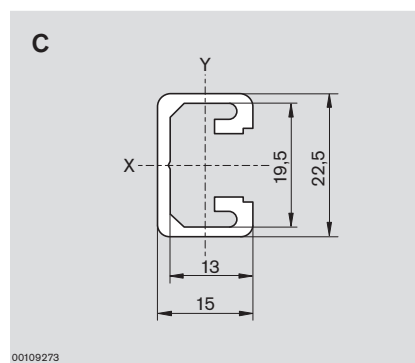
Mounting bracket

		Material no.
A	20	3 842 535 125



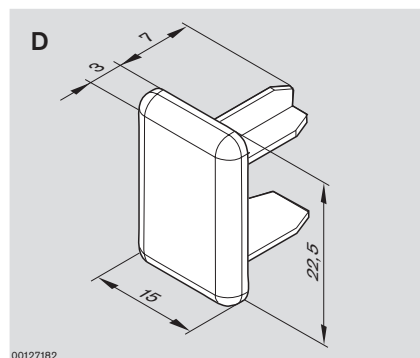
Tube clip

Ø [mm]		Material no.
B 28	20	3 842 535 364



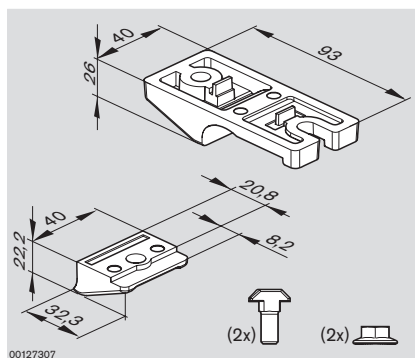
Profile 15 x 22.5

	Material no.
C	3 842 992 473 / ...
	30 mm ≤ L ≤ 3000 mm



Cap

		Material no.
D	20 	3 842 537 594





Holder for double round tube

	Material no.
20	3 842 537 720

Incl. fastening material

Supply of materials

Grab containers

Vario grab containers	 3-65
Plastic grab containers	 3-67

Supply of materials

Grab containers

Rexroth's program of grab containers offers a solution for the most varied demands. When supplying small parts in bulk, Vario grab containers offer high efficiency thanks to ergonomic grab conditions, modular design and construction, wear-resistant surfaces as well as sturdy, compact stacking connections.

Plastic grab containers are sturdy and tough and the grab surfaces have been ergonomically designed. They are ideal for implementing the 2-box principle (kanban) at workstations when combined with material shelves.



00121490

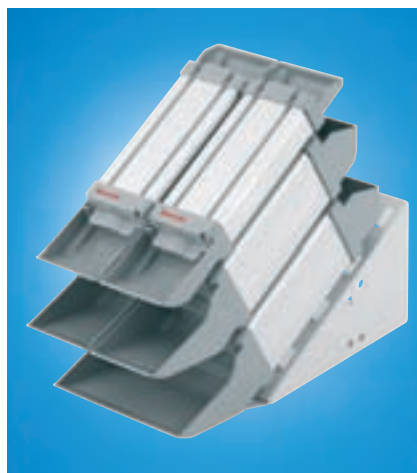
Supply of materials

Vario grab containers

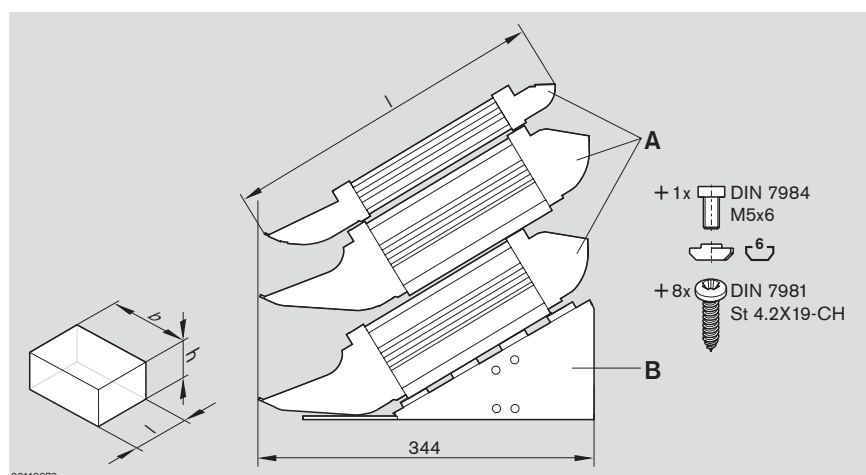
Small parts such as screws and nuts are kept within easy reach at the workstation using the Vario grab container product line. It offers extremely profitable and ergonomic grasping conditions, modular design and construction, wear-resistant surfaces as well as sturdy, compact stacking connections. The grab containers are available in three standard sizes or as self assembly modules. With its profiles of variable length, the Vario grab containers enable you to place materials of varying volumes and amounts easily and compactly in the tightest of spots. The ergonomic design of the grab ledges based on MTM (Method of Time Measurement) allows the user to pick up small parts quickly and securely. The grab container base facilitates an ergonomically optimal adjustment of grab container stacking and its simple placement on the table or on horizontal and vertical strut profiles.

Grab container: aluminum AlMgSi inside and outside.

Grab container base: sheet steel, powder-coated, light gray RAL7035



00127270



Vario grab containers

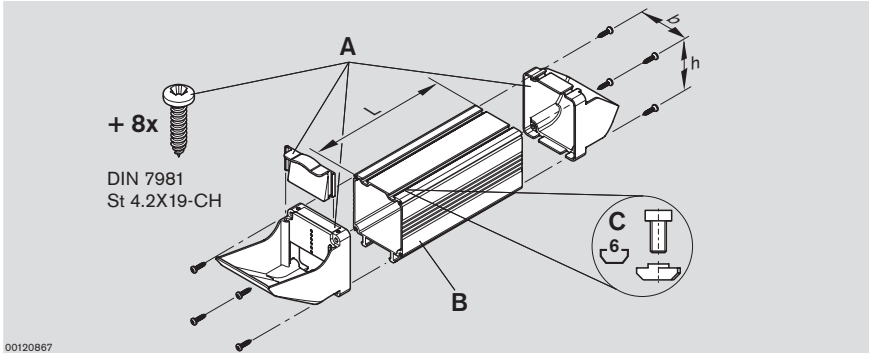
		b x h x l [mm]	Capacity [cm³]	Filling load [kg]	Material no.
A	VG 90 x 45	90 x 45 x 333	500	2.5	3 842 526 621
A	VG 90 x 90	90 x 90 x 375	1300	5	3 842 526 622
A	VG 180 x 90	180 x 90 x 375	2900	10	3 842 526 623

Grab container bases

		b x h x l [mm]	Material no.
B	SG-90	90 x 149 x 315	3 842 526 660
B	SG-180	180 x 149 x 315	3 842 526 665

Supply of materials

Material chute: aluminum AlMgSi inside and outside.
Grab ledge: ABS plastic, light gray similar to RAL 7035



Grab ledges and refill end-pieces

	b x h [mm]		Material no.
A	90 x 45	90 x 45	3 842 526 626
A	90 x 90	90 x 90	3 842 526 627
A	180 x 90	180 x 90	3 842 526 628

Material chutes

	b x h [mm]		L [mm]		Material no.
B	90 x 45	90 x 45	50 ... 3000		3 842 993 071
B	90 x 90	90 x 90	50 ... 3000		3 842 993 072
B	180 x 90	180 x 90	50 ... 3000		3 842 993 073
B	90 x 45	90 x 45	3000	3	3 842 526 671
B	90 x 90	90 x 90	3000	3	3 842 526 672
B	180 x 90	180 x 90	3000	3	3 842 526 673

The sliding block acts as a stop when stacking grab containers. In such cases, we recommend a M5x6 screw DIN 7984.

Stopper (sliding block)

		Material-Nr.
C	100	3 842 523 142

Supply of materials

Plastic grab containers

These sturdy and hard-wearing containers have ergonomically designed grab ledges. This enables parts to be grasped quickly and safely. Containers can be exchanged easily, cutting the time needed for commissioning, parts supply and converting the workstations.

Plastic grab containers can be supplied via a suspension profile (☞ 2-31) or material shelves at the workstation and can also be integrated in a material shuttle (☞ 5-1).



00121030

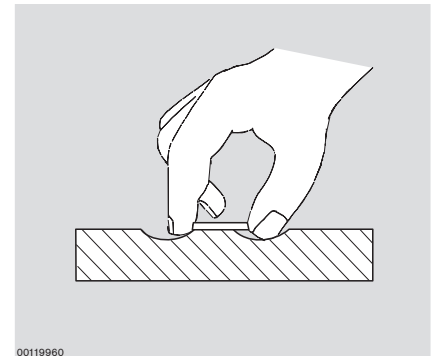


00121003



00120992

Grasping and assembling



00119960

All grab containers have a specially ridged surface design to facilitate pick-up of parts.

Supply of materials

Grab trays

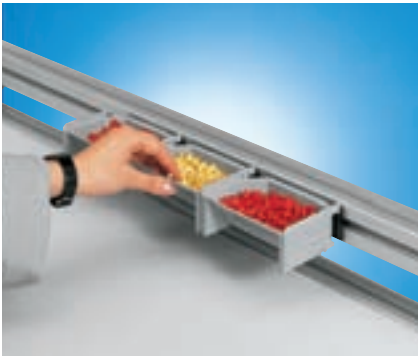


With the (GB-S) grab trays you can make small parts accessible in a very small space. The integrated lip makes it easier to take out the pieces.

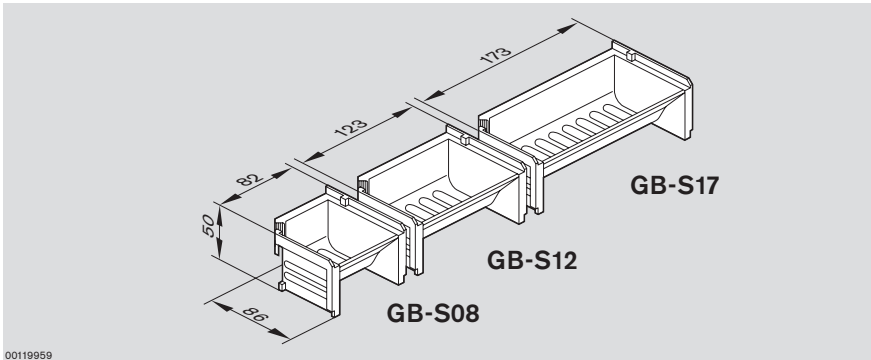
Material: ABS
 Color: light gray similar to RAL 7035,
 ESD color: black.



00120994



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00119959

Grab trays

	Material no.
GB-S08	3 842 344 764
GB-S12	3 842 344 765
GB-S17	3 842 344 766

Grab trays

	Material no.
GB-S08	 3 842 346 294
GB-S12	 3 842 346 295
GB-S17	 3 842 346 296

Supply of materials

Grab containers



For picking up parts at the workstation, (GB-R) grab containers can be used on their own or in conjunction with the grab ledges. The (GB-A) cover protects your parts in the stockroom, during transport, and at the workstation.

Grab container material: ABS

Cover material: PC

ESD material: ABS

Grab container color: light gray similar to RAL 7035

ESD grab container color: black

Cover color: transparent

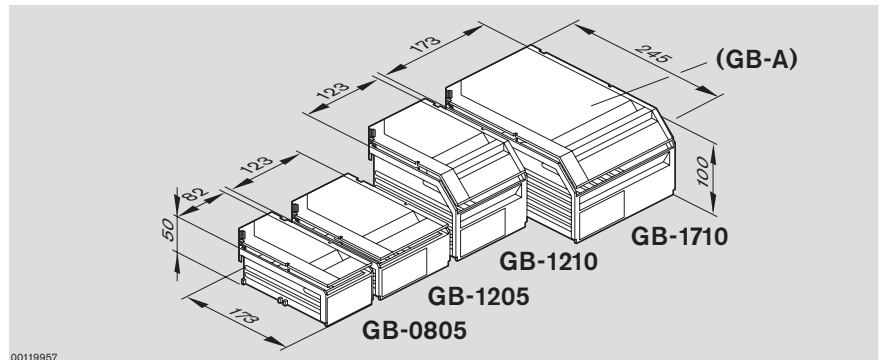
ESD cover color: black.



00121491



00120956



00119957

Grab containers

	Material no.
GB-0805	3 842 344 750
GB-1205	3 842 344 751
GB-1210	3 842 344 752
GB-1710	3 842 344 753

Covers

	Material no.
GB-A0805	3 842 344 756
GB-A1205	3 842 344 757
GB-A1210	3 842 344 758
GB-A1710	3 842 344 759

Grab containers

	Material no.
GB-0805	3 842 346 280
GB-1205	3 842 346 281
GB-1210	3 842 346 282
GB-1710	3 842 346 283

Covers

	Material no.
GB-A0805	3 842 346 286
GB-A1205	3 842 346 287
GB-A1210	3 842 346 288
GB-A1710	3 842 346 289

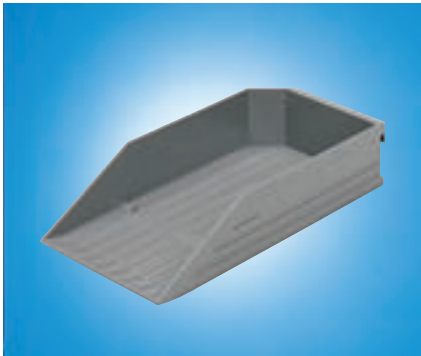
Supply of materials

Grab ledge



Parts are separated before use on the ergonomically shaped grab ledge surface (GB-Z). They are thus easy to identify and can be picked up safely and quickly with a sweeping action.

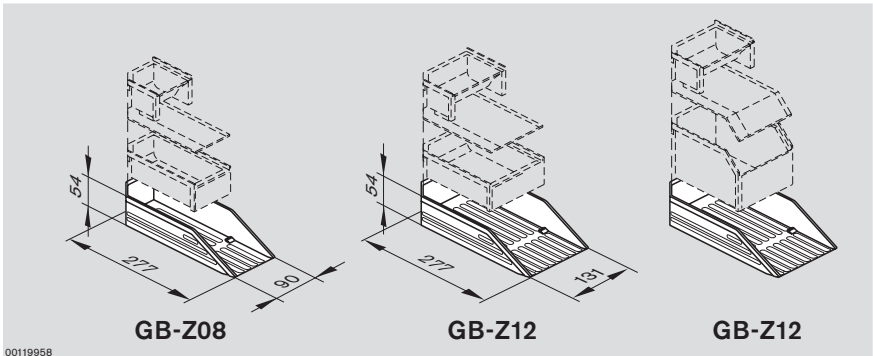
Material: ABS
Color: light gray similar to RAL 7035
ESD color: black



00120996



00121002



00119958

Grab ledges

	Material no.
GB-Z08	3 842 344 760
GB-Z12	3 842 344 761

Grab ledges

		Material no.
GB-Z08		3 842 346 290
GB-Z12		3 842 346 291

Supply of materials

Lettering clips, container mounts



Lettering clip for standardized labeling of grab containers. The labels can be changed quickly and easily.

Material: PC

Color: transparent

For label size 74 mm x 37 mm



00121025

Lettering clip (incl. label)

		Material no.
10		3 842 536 127

Container mount

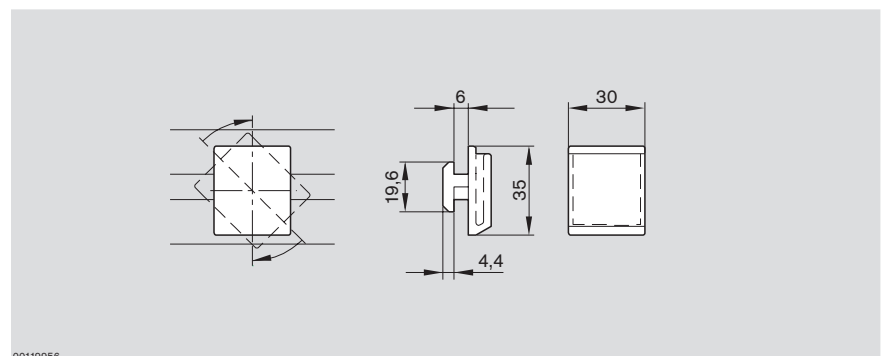
For mounting grab trays, grab containers and grab ledges. A simple turn fastens the container mount in the 10 mm profile groove.



00121000

Container mount

		Material no.
10		3 842 530 304



00119956

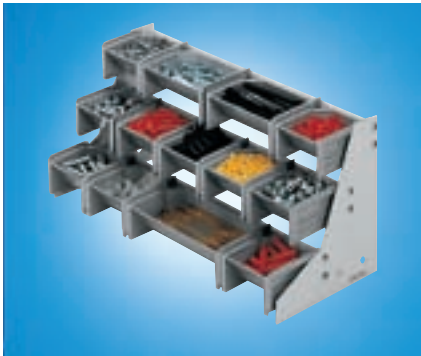
Supply of materials

Grab container rack



Materials are positioned within comfortable reach at workstations in the grab container rack (GB-R). The containers can be set at the height and position desired with the flexible adjustment notches.

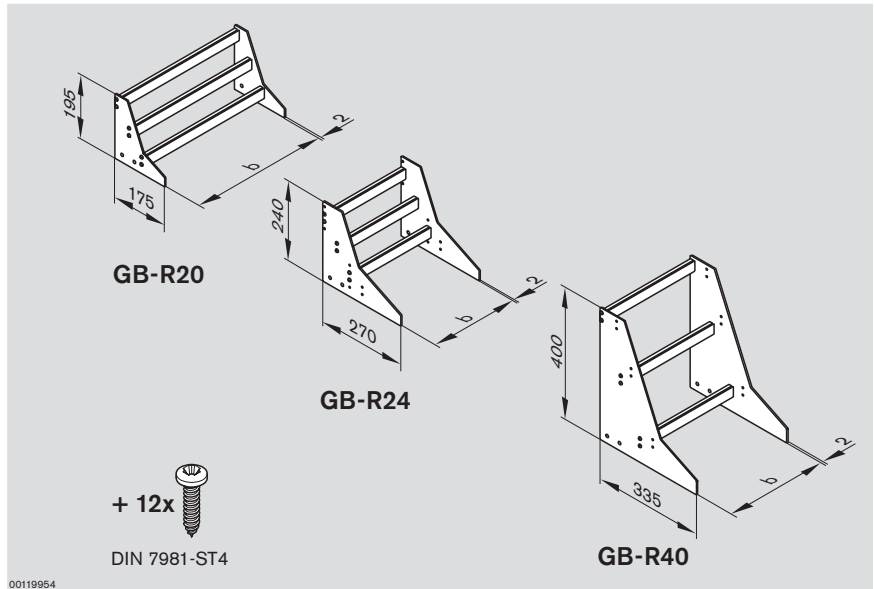
Material side panel: sheet aluminum.



00121001



00120997



00119954

Grab container rack

	b [mm]		Material no.
GB-R20	414	⚠	3 842 517 402
GB-R24	271	⚠	3 842 517 403
GB-R40	312	⚠	3 842 517 404

Supply of materials

Grab container racks, assembly elements



Side panel for self-assembly of a grab container rack.

Material: aluminum. Color: natural.

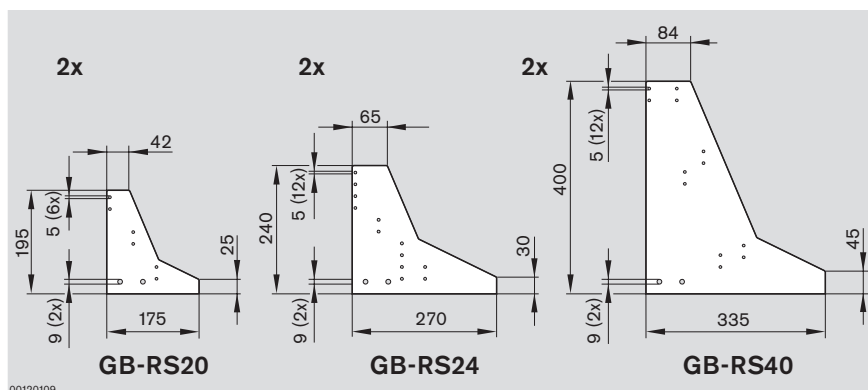


00121004

Side plates

			Material no.
GB-RS20	Set		3 842 517 399
GB-RS24	Set		3 842 517 400
GB-RS40	Set		3 842 517 401

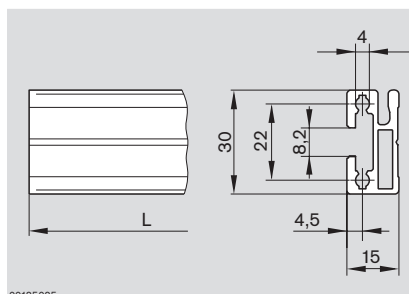
3



00120109

The suspension profile is fastened to the side panels with four self-tapping screws. See also the workstation suspension profile (☞ 2-31).

Material: aluminum. Color: natural.
Required accessories: screws DIN 7981/
DIN ISO 7049 - St. 4.8x13-C-H2



00125025

Suspension profile, anodized

LE	Material no.
1	3 842 993 411 / ...
30 mm ≤ L ≤ 3000 mm	

LE	Material no.
10	3 842 537 679
L = 3000 mm	

Suspension profile, chromated

LE	Material no.
1	3 842 993 359 / ...
30 mm ≤ L ≤ 3000 mm	

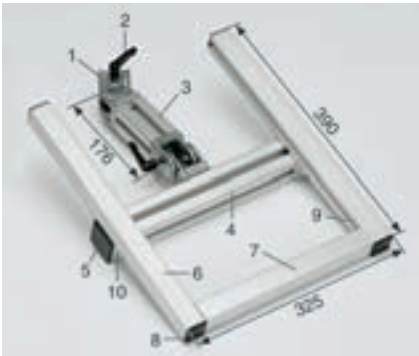
LE	Material no.
10	3 842 537 681
L = 3000 mm	

Supply of materials

Supporting arm for the positioning of Euro-standard containers 300 x 400 mm.



00120957



00120958

Pos.		Quantity	l [mm]	Material no.
1	Joint 45x45	2		3 842 502 684
2	Clamping lever	2		3 842 505 144
3	Profile 45x45L	1	85	3 842 992 426
4	Profile 45x45L	1	320	3 842 992 425
5	Cap	2		3 842 502 674
6	Profile 30x30 2NVS	2	390	3 842 992 398
7	Profile 30x30 1N	1	265	3 842 992 397
8	Cap	4		3 842 501 232
9	Inner bracket R	2		3 842 535 577
10	Bracket R28x38	4		3 842 515 547

Supply of materials

Supporting brackets

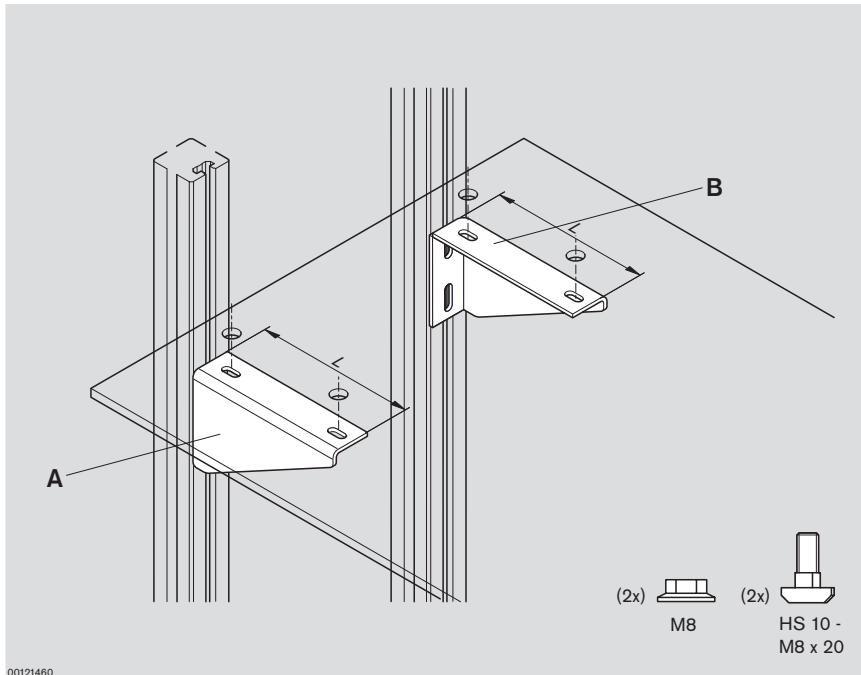


Supporting brackets are used to reinforce supporting frames or to attach shelves. Both left and right-hand versions available for attractive-looking constructions.

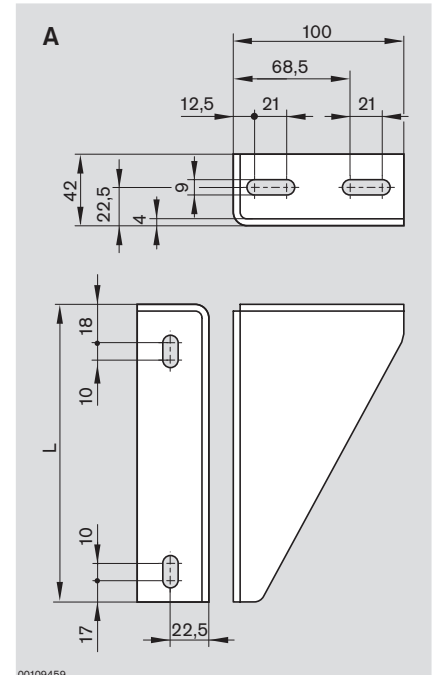
Material: sheet steel, powder-coated.
Color: light gray RAL 7037
Incl. fastening kit.



00127208



00121460



00109459

Left supporting bracket

	L [mm]		Material no.
A	255		3 842 536 119
	335		3 842 536 121
	415		3 842 536 123
	495		3 842 536 125

Right supporting bracket



	L [mm]		Material no.
B	255		3 842 536 120
	335		3 842 536 122
	415		3 842 536 124
	495		3 842 536 126

Supply of materials



Supply of materials

Case lifters

Electrical case lifters

  3-78

Pneumatic case lifters

  3-79

Supply of materials

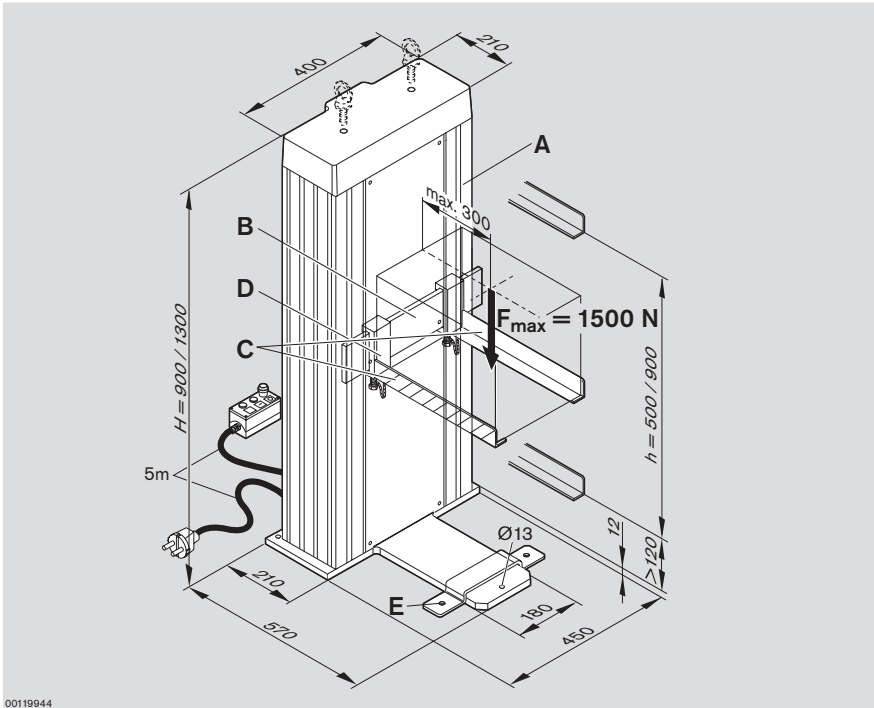
Electrical case lifters

The electrical case lifter can be used for positioning parts ergonomically at the workstation. Its low overall height allows it to be installed under transfer systems, for instance.

Scope of delivery: ready-to-connect; incl. control unit.
Lifting velocity: 40 mm/s
Connection: 230 V~/max. 16 A, degree of protection: IP 54 IEC 529, operating time (ED): 20%
Accessories: (3-80)



00120884



00119944

Electrical case lifters		
	h [mm]	Material no.
A	500	3 842 518 160
A	900	3 842 517 580

Supply of materials

Pneumatic case lifters

The pneumatic case lifter can be used for positioning parts ergonomically at the workstation. A control unit (B) is needed to control the case lifter.

Lifting velocity (max.): 150 mm/s

Working pressure: 6 bar (hose connection Ø 8 mm)

Material: steel, painted. Color: black RAL 9005 and light gray RAL 7035

Accessories: (☞ 3-80)



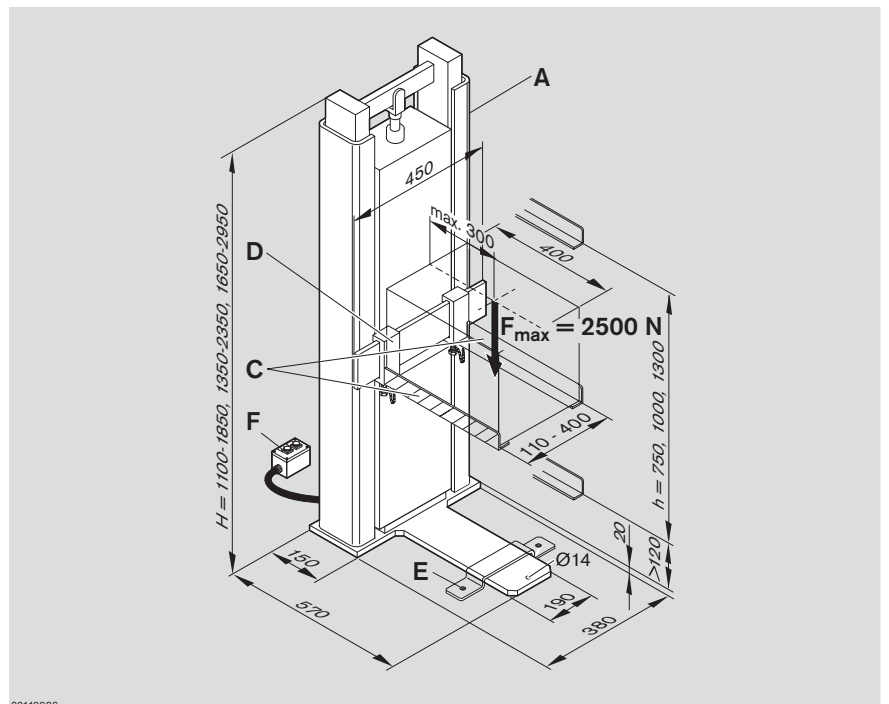
00120890

Air consumption/stroke

h [mm]	V [Nl]
750	40
1000	55
1300	70

Pneumatic case lifters

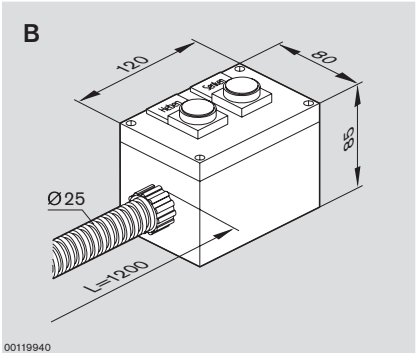
	h [mm]	m [kg]	Material no.
A	750	78	3 842 521 458
A	1000	89	3 842 521 459
A	1300	102	3 842 521 460



00119936

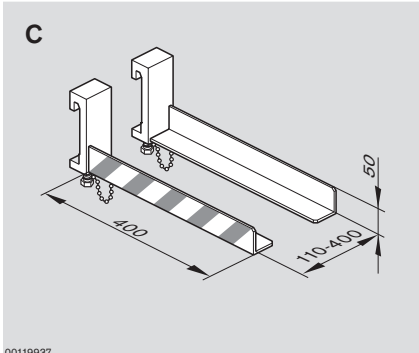
Supply of materials

Case lifter accessories



Control unit for pneumatic case lifters

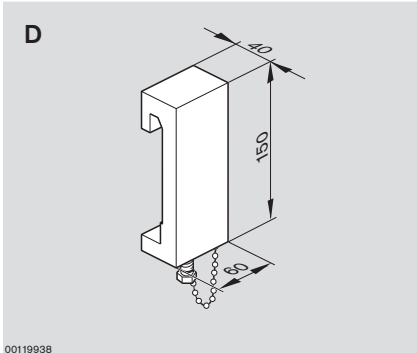
	Material no.
B	3 842 134 840



Forks (left and right)

Material: steel, painted. Color: black RAL 9005.

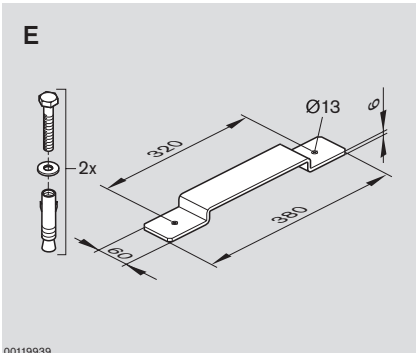
	Material no.
C	3 842 144 020



Suspension strap

Material: steel, painted. Color: black RAL 9005.

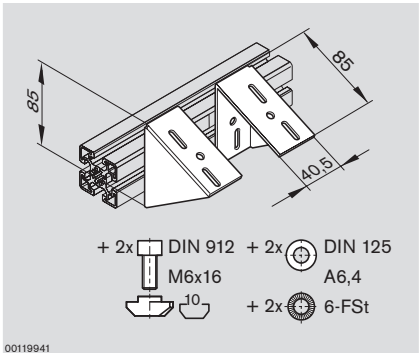
	Material no.
D	3 842 144 080



Retaining strap

Material: steel, painted. Color: light gray RAL 7035. Incl. fastening kit.

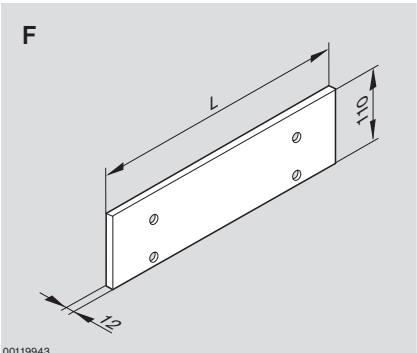
	Material no.
E	3 842 521 504



Bracket for mounting control unit

Material: steel, painted. Color: black RAL 9005. Incl. fastening kit.

	Material no.
Set	3 842 536 128



Attachment plate

Material: steel, galvanized

	L [mm]	b _{max} [mm]	Material no.
F	450	400	3 842 518 159
F	650	600	3 842 518 161

Manual links

Manual links (EcoFlow)

EcoFlow: custom conveyor tracks	  4-4
EcoFlow: conveyor track components	  4-6
EcoFlow: roller carriers	  4-8
EcoFlow: roller mounts	  4-9
EcoFlow: lateral guides	  4-10
EcoFlow: rollers	  4-11
EcoFlow: protective covers, brakes	  4-12
EcoFlow: flexible bridges	  4-13
EcoFlow: curved sections (kit)	  4-14
Corner table tops	  4-15
Corner base for table tops	  4-16
EcoFlow: ball rollers	  4-17
EcoFlow: stops	  4-18
EcoFlow: corner pieces, transverse conveyors	  4-19
EcoFlow: stop gates	  4-20
EcoFlow: workpiece pallets	  4-22

Manual links

EcoFlow components

You can use our EcoFlow for building material flow systems to link manual workstations, as well as in storage and consignment areas.

Using EcoFlow, materials in the most diverse containers, such as blisters and small parts containers, can be supplied directly to the workstation or via a supermarket shelf (🔗 3-10).

Using custom conveyor tracks, you can e.g. individually link workstations. Here, you define the necessary track width, as well as the conveyor medium suitable for your application.

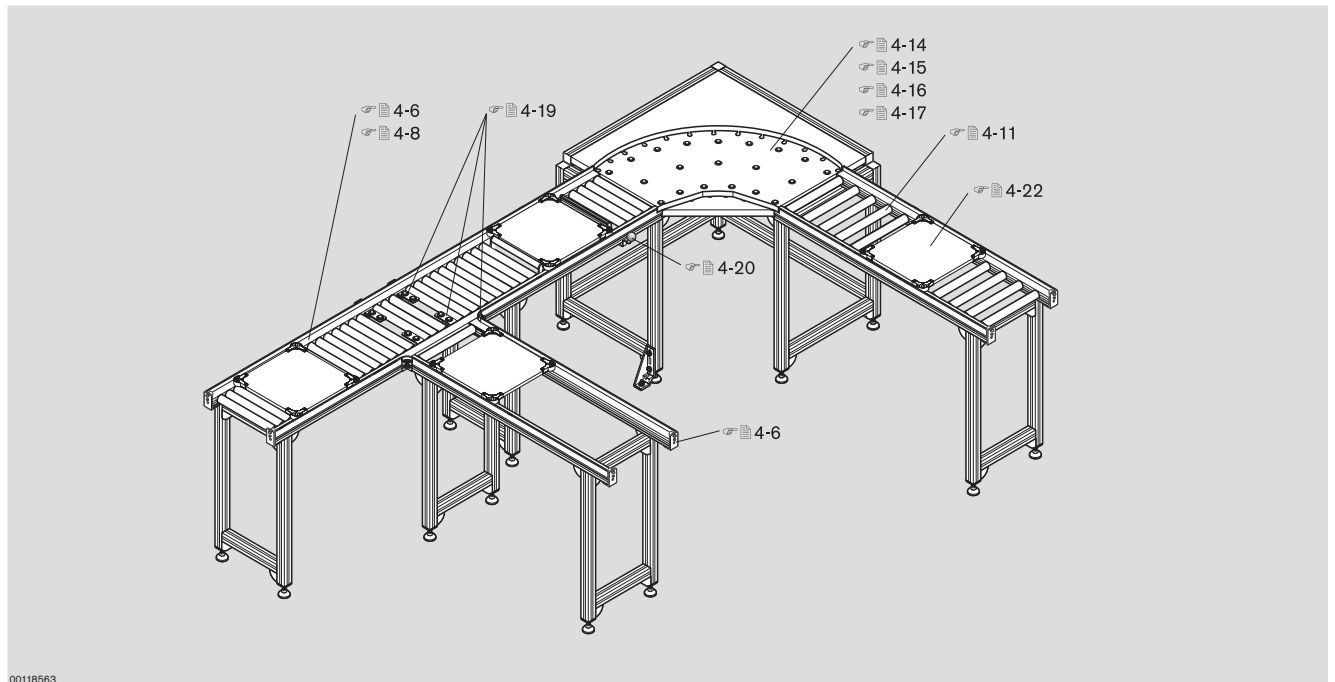
Complete workpiece pallets are available to transport workpieces.

Supplementary accessories can be used to flexibly extend flow rack systems and conveyor tracks.



00126506

Manual links



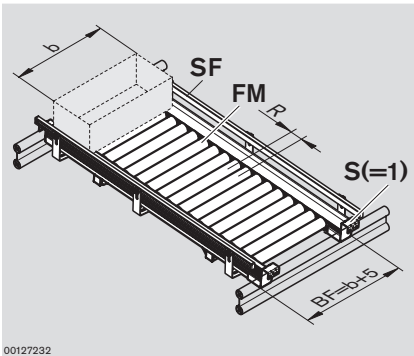
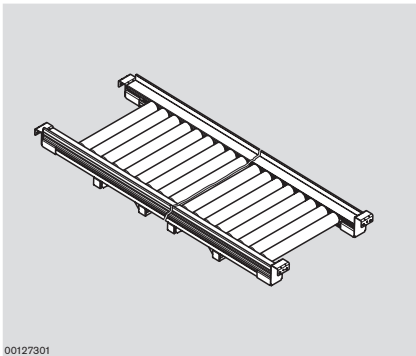
Manual links

EcoFlow: conveyor tracks, rail holders



Conveyor track based on aluminum profiles with uniform rollers made of plastic, steel, or stainless steel. For very high conveyor track loads. Conveyor tracks are suspended simply and securely on the single or double tubular cross tie with a rail holder. Rexroth recommends a gradient of $G = 6\%$.

Accessories: brake (☞ 4-12), tube clip (☞ 3-62)



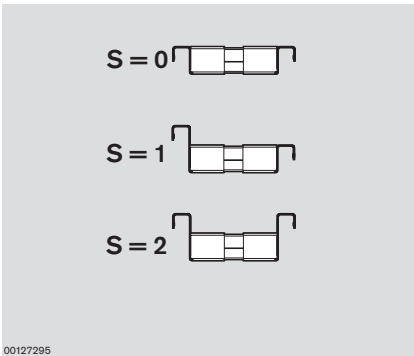
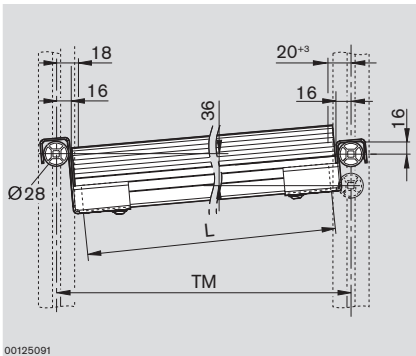
Conveyor track EcoFlow with rail holder

Material no.
3 842 998 258

Ordering parameters for 3 842 998 258

A	(0 = kit, 1 = assembled)	=...	(0, 1)
ESD	(0 = no, 1 = yes)	=...	(0, 1)
TM	Horizontal distance of cross tie center	= ...	(355-6000) mm
G	Gradient	= ...	(0-10)%
FM	Conveyor medium	= ...	(K, S, E) ¹⁾ (☞ 4-11)
(K = plastic, S = steel, E = stainless steel)			
BF	Conveyor track width	= ...	(200-1000) mm ²⁾ (☞ 6-15)
S	Rail holder design	= ...	(0, 1, 2)
SF	Lateral guide (0 = no, 1 = yes)	=...	(0, 1) (☞ 3-37)
R	Roller distance (0 = 50 mm, 1 = 100 mm)	=...	(0, 1)

¹⁾ (FM = K, E) not with (ESD = 1)
²⁾ For (FM = K), BF = 200 - 600 mm applies



TM	G	L
[mm]	[%]	[mm]
1000	0	962.0
1000	6	961.7
1000	10	963.5

Manual links

EcoFlow: conveyor tracks, stop plates



Conveyor track based on aluminum profiles with uniform rollers made of plastic, steel, or stainless steel. For very high conveyor track loads. In conveyor tracks with stop plates, the U-profile is fastened via the 10 mm groove on the underside of the profile, e.g. on other profiles using brackets, or on tubular cross ties using tube clips.

Accessories: brake (☞ 4-12), tube clip (☞ 3-62), holder for double round tube (☞ 3-62)

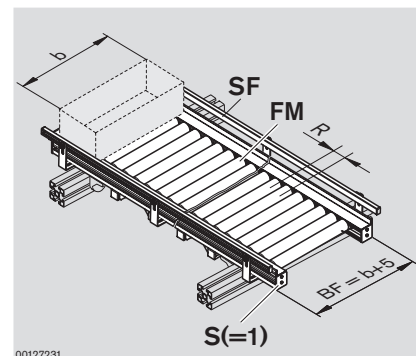


00127279

Conveyor track EcoFlow with stop plate

Material no.

3 842 998 278



00127231

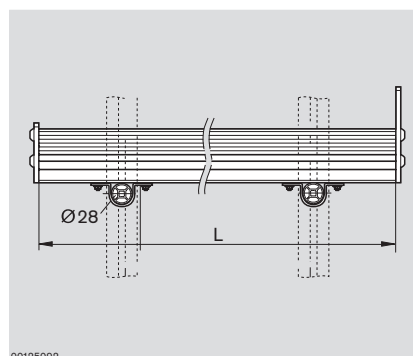
Ordering parameters for 3 842 998 278

A	(0 = kit, 1 = assembled)	=...	(0, 1)
ESD	(0 = no, 1 = yes)	=...	(0, 1)
L	Conveyor track length	= ...	(355–6000) mm
FM	Conveyor medium	= ...	(K, S, E) ¹⁾ (☞ 4-11)
	(K = plastic, S = steel, E = stainless steel)		
BF	Conveyor track width	= ...	(200–1000) mm ²⁾ (☞ 6-15)
S	Stop plate design	= ...	(0, 1, 2)
SF	Lateral guide (0 = no, 1 = yes)	=...	(0, 1) ³⁾ (☞ 3-37)
R	Roller distance (0 = 50 mm, 1 = 100 mm)	=...	(0, 1)
BG	Slide rail border (0 = outside, 1 = inside)	=...	(0, 1)

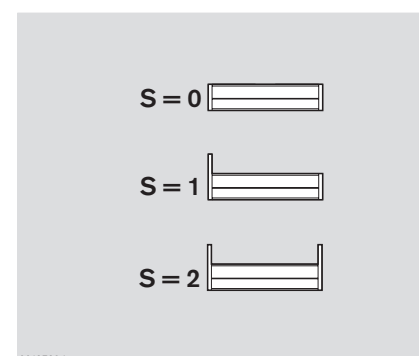
¹⁾ (FM = K, E) not with (ESD = 1)

²⁾ For (FM = K), BF = 200 - 600 mm applies

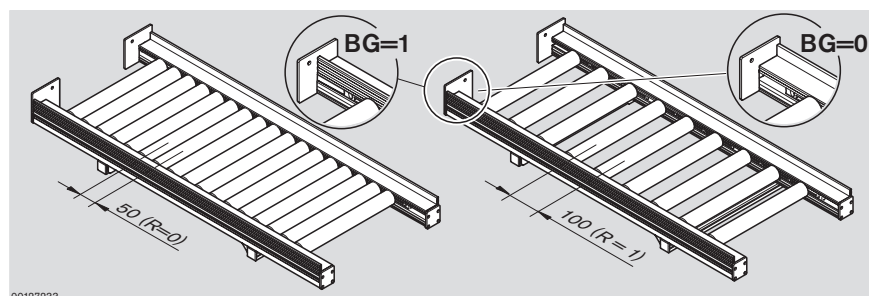
³⁾ (SF = 1) only with (BG = 0)



00125092



00127294



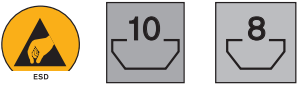
00127233



(☞ 6-15)

Manual links

EcoFlow: conveyor track components

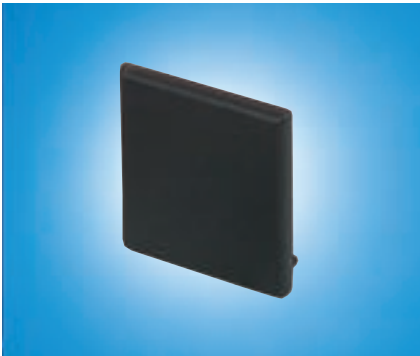


For fast, simple construction of conveyor tracks or manual slide sections.

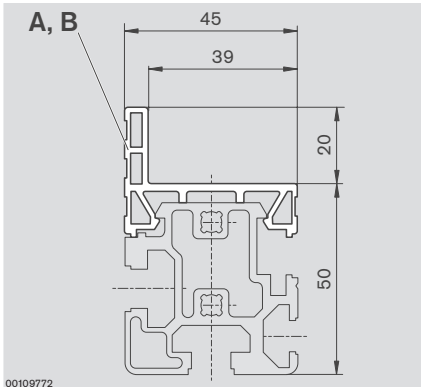
- Material:
- A** PVC, gray
 - B** PVC, black, conductive to $10^6 \Omega$ (DIN EN 61 340-5-1)
 - C** Aluminum, natural, anodized
 - D** PA, black



00111632

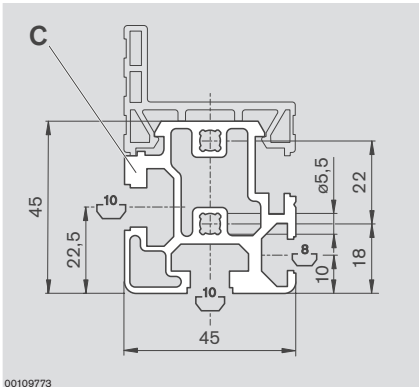


00111697



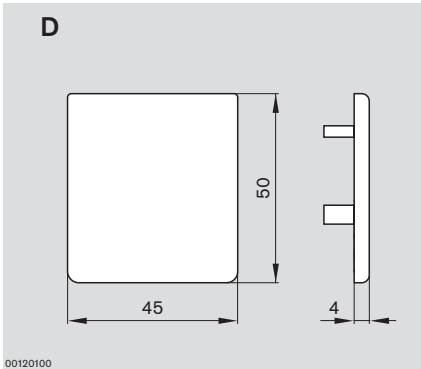
EcoFlow guide profiles

		Material no.
A	10	3 842 525 443
B	10	3 842 526 034
L = 3000 mm		
A	1	3 842 993 511
B	1	3 842 993 512
30 mm ≤ L ≤ 3000 mm		



EcoFlow section profiles

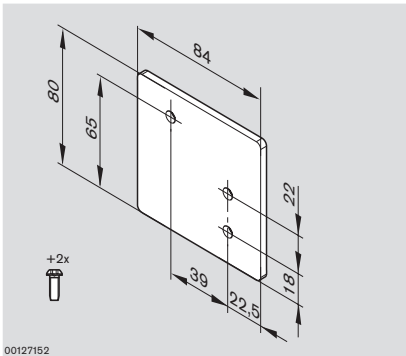
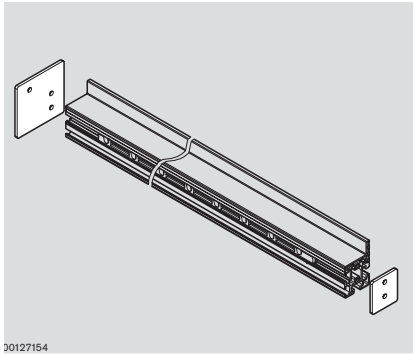
	LE	Material no.
C	1	3 842 993 029/...
30 mm ≤ L ≤ 6070 mm		
C	20	3 842 537 321
L = 6070 mm		



Cap

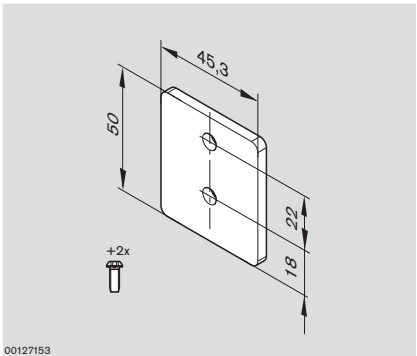
		Material no.
D	20	3 842 525 457

Manual links



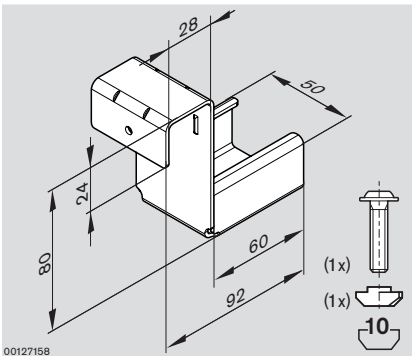
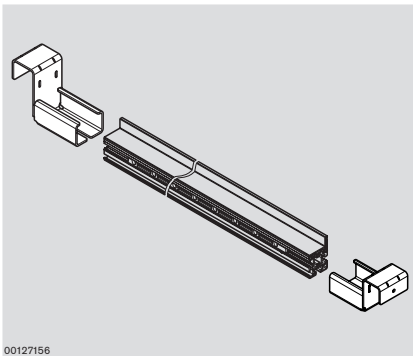
Stop plate with stop

	Material no.
20	3 842 537 593



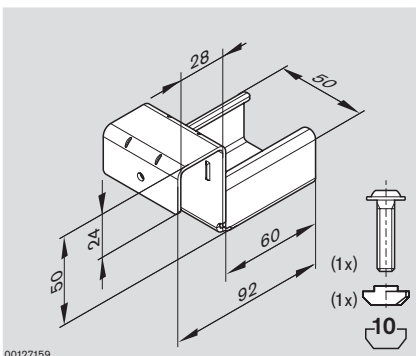
Stop plate without stop

	Material no.
20	3 842 537 592



Rail holder with stop

	Material no.
20	3 842 537 664



Rail holder without stop

	Material no.
20	3 842 537 665

Manual links

EcoFlow: roller carriers

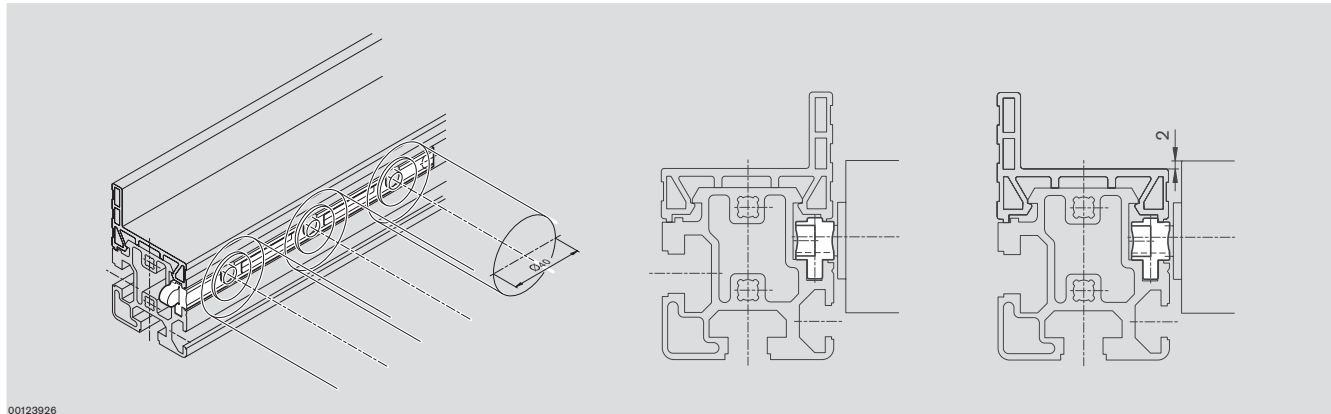


For fast, simple construction of conveyor tracks when combined with section and guide profiles (☞ 4-6). The elements are joined by means of interlocking connections.

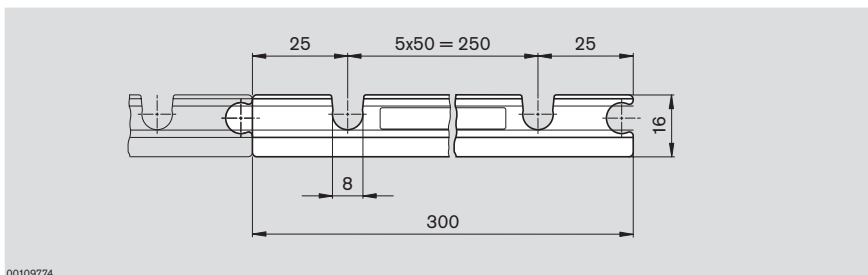
Material: ABS, black, conductive to $10^6 \Omega$ (DIN EN 61 340-5-1).



00111634



00123926



00109774

EcoFlow roller carrier



Material no.

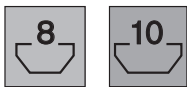
10



3 842 535 683

Manual links

EcoFlow: roller mounts



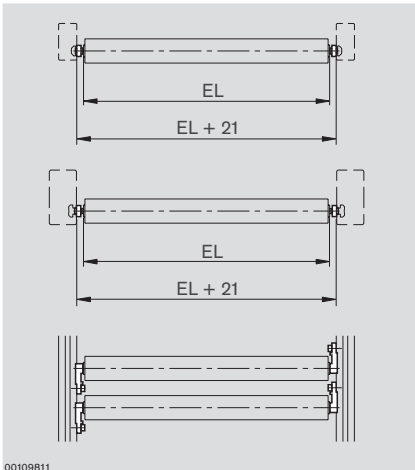
For fast, simple construction of conveyor tracks when combined with strut profiles e.g. 45x45L.

The roller mount can be inserted easily and makes it possible to replace individual rollers without disassembling the whole frame.

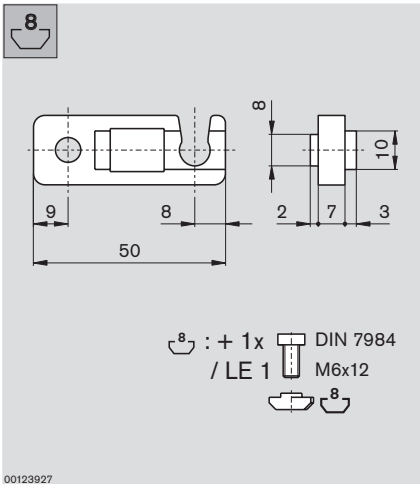
Material: PA, black



00111644



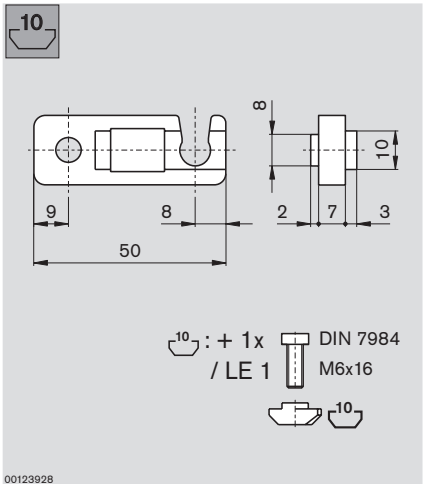
00109811



00123927

EcoFlow roller mount

	Material no.
10	3 842 535 667



00123928

EcoFlow roller mount

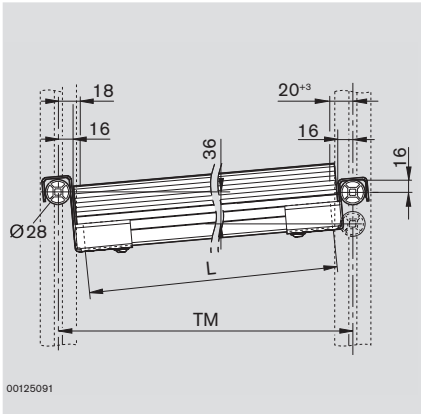
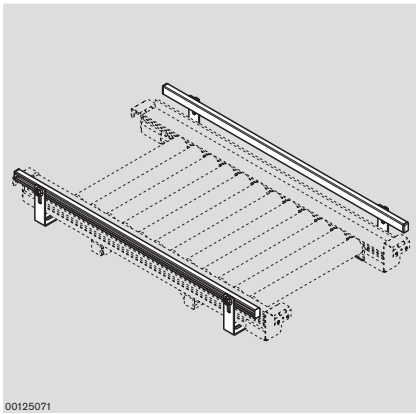
	Material no.
10	3 842 535 668

Manual links

EcoFlow: lateral guides



Lateral guides in variable lengths for installation on the conveyor tracks are available to securely transport your products. The lateral guide can be adjusted horizontally and vertically.

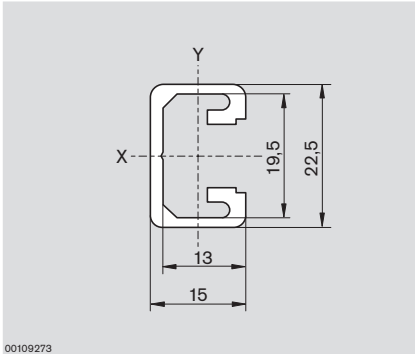


Lateral guide EcoFlow

Material no.
3 842 998 315

Ordering parameters for 3 842 998 315

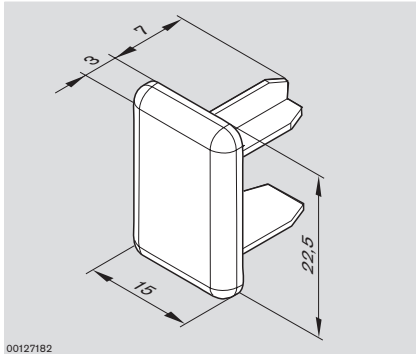
TM Horizontal distance of cross tie center = ... (355-6000) mm
G Gradient = ... (0-10) %



Profile 15x22.5

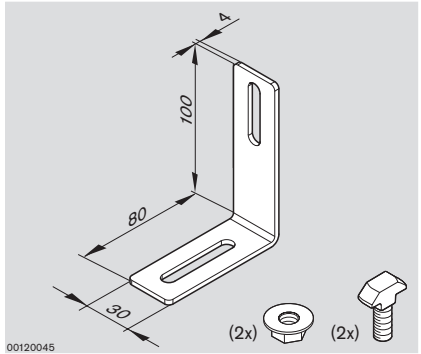
Material no.
3 842 992 473 / ...
30 mm ≤ L ≤ 3000

LE	Material no.
10	3 842 513 576
	L = 2000 mm



Cap

Material no.
20 3 842 537 594



Mounting bracket

Material no.
20 3 842 535 125

Manual links

EcoFlow: rollers

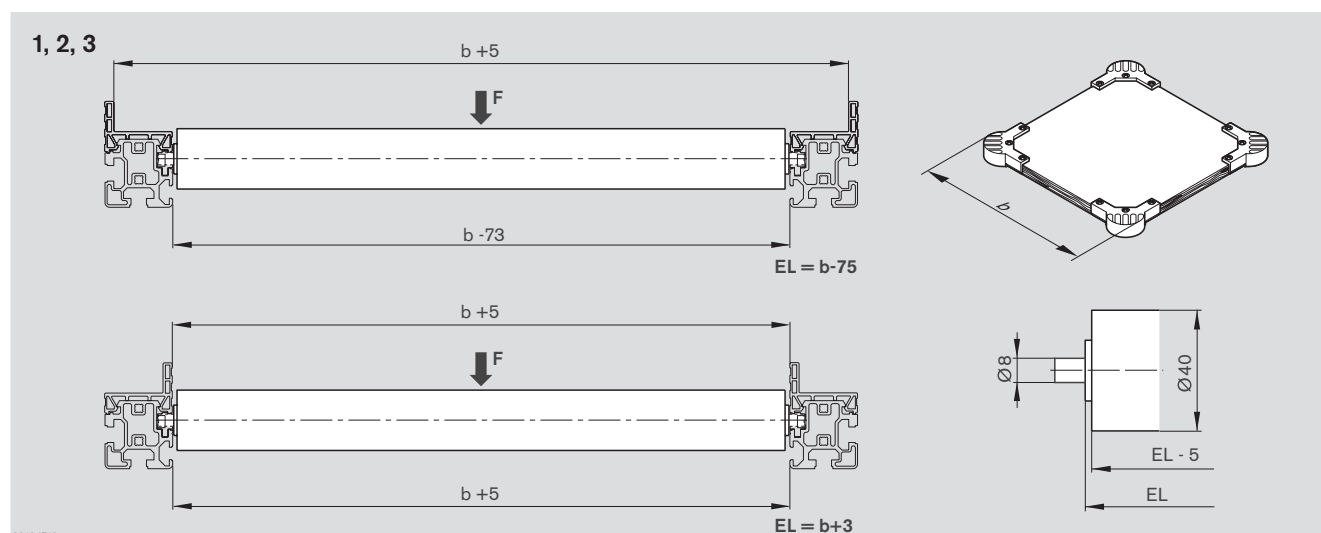


In the section profile, the rollers are inserted in roller carriers (☞ 4-8); in strut profiles, they are inserted with roller mounts (☞ 4-9).

Steel rollers combined with conductive conveyor track components are suited for use in ESD-conductive systems.



00111635



Roller: steel, galvanized

F [N]	Material no.
500	3 842 994 988

Ordering parameters for 3 842 994 988

EL Roller length _____ = ... (105–1005) mm

Roller: plastic

F [N]	Material no.
150	3 842 994 989

Ordering parameters for 3 842 994 989

EL Roller length _____ = ... (105–605) mm

Roller: stainless steel

F [N]	Material no.
150	3 842 995 008

Ordering parameters for 3 842 995 008

EL Roller length _____ = ... (105–1005) mm

EcoFlow rollers, standard

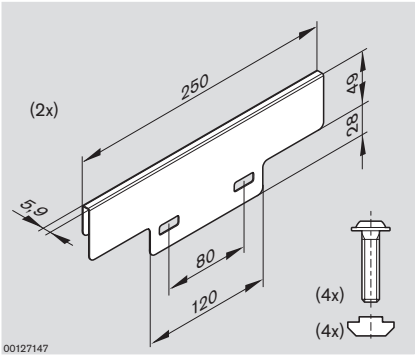
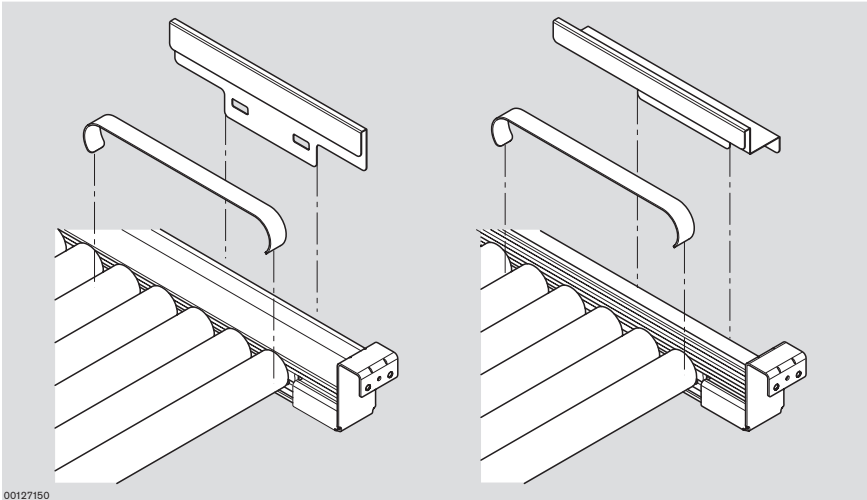
	F [N]	EL [mm]	Material no.
Steel, galvanized	500	225	3 842 525 737
		325	3 842 525 738
		425	3 842 525 739
		525	3 842 537 163
Plastic	150	225	3 842 525 740
		325	3 842 525 741
		425	3 842 525 742
		525	3 842 537 164

Manual links

EcoFlow: protective covers, brakes

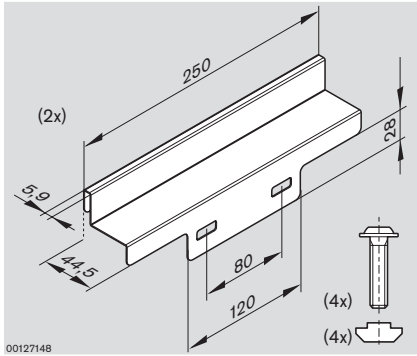
A protective cover can be mounted to shield the border of the slide rails when loading the conveyor tracks. The brake is clipped over the rollers and gently brakes containers.

Protective cover scope of delivery: 2 protective covers each incl. fastening material
Protective cover and brake material: steel, galvanized



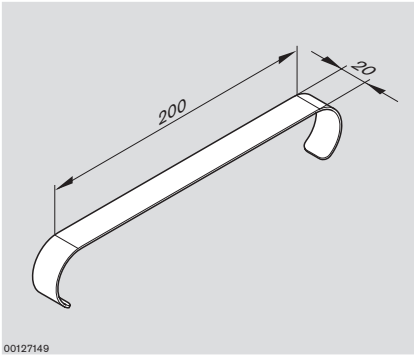
Outer slide rail protective cover (BG = 0)

	Material no.
Set	3 842 537 583



Inner slide rail protective cover (BG = 1)

	Material no.
Set	3 842 537 584



Brake EcoFlow

	Material no.
20	3 842 537 740

Manual links

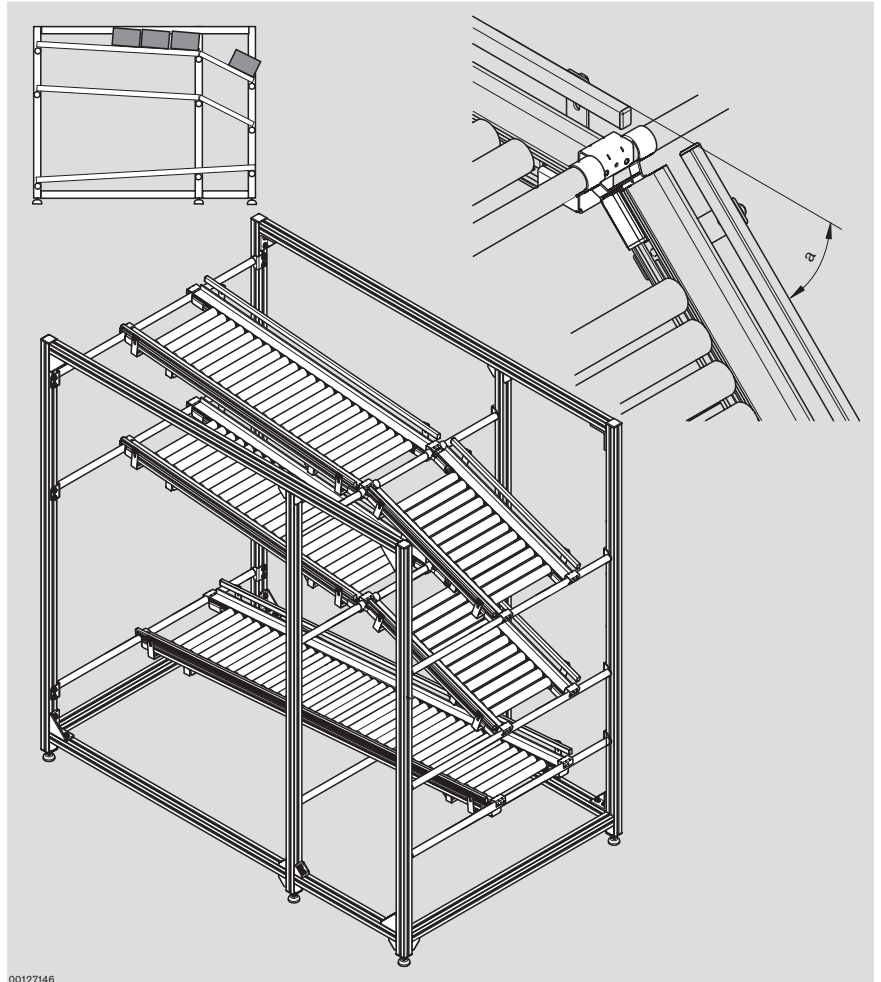
EcoFlow: flexible bridges

Flexible bridge for ergonomic supply of containers in the flow rack system or at the workstation. The container is stopped at the flexible bridge and manually moved into an ergonomic removal position.

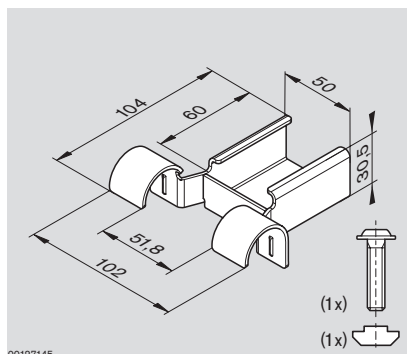
Large bracket a:

- Max. 40° from horizontal position with tubular cross tie
- Max. 30° from horizontal position with double tubular cross tie

Flexible bridge material: steel, galvanized
Accessories: lift aid (☞ 3-44)



00127146



00127145

Flexible bridge

	Material no.
20	3 842 537 950

Manual links

EcoFlow: curved sections (kit)



Assembly kit for easy mounting of a curved section on a corner table top.
For roller length EL [mm] = 325, 425, 525

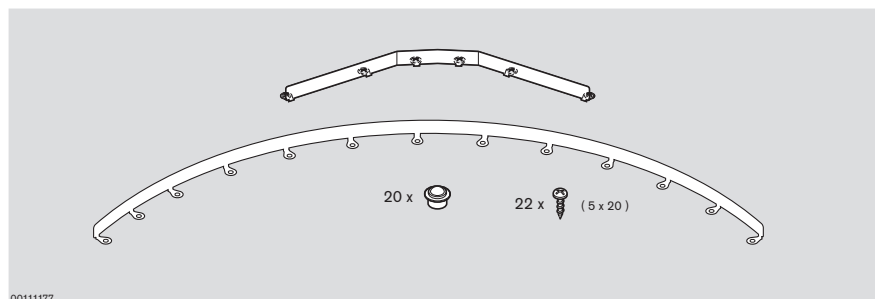
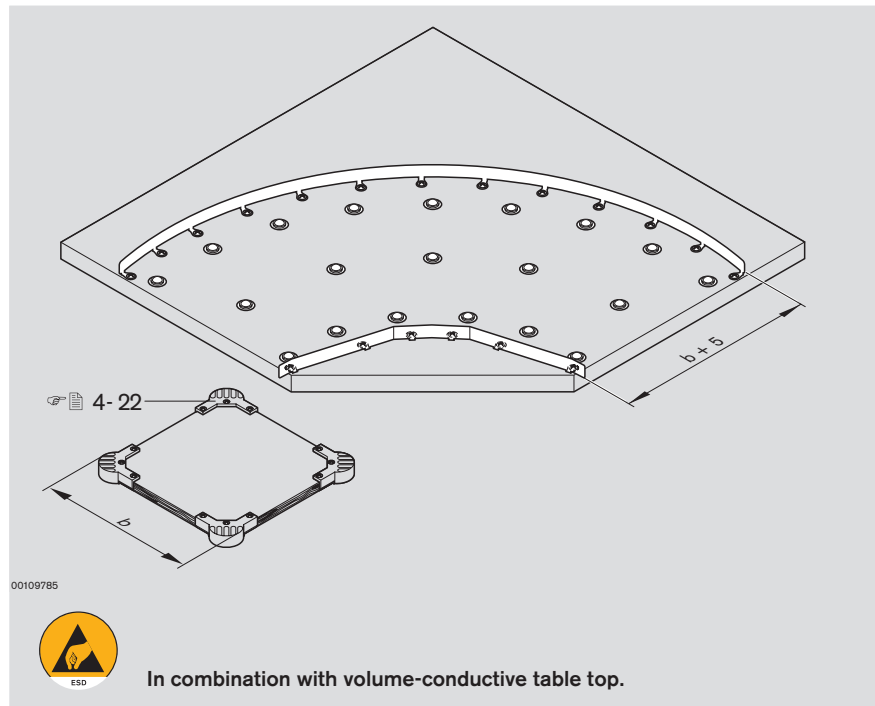
Scope of delivery:

- Inner and outer guide with fastening screws
- 20 ball rollers
- Drilling template to aid with assembly

Components required for constructing a curve:

- Curved section assembly kit
- Corner table top (☞ 4-15)

Curve belt material: stainless steel



EcoFlow curved section (kit)

Material no.
 3 842 525 756

Manual links

Corner table tops



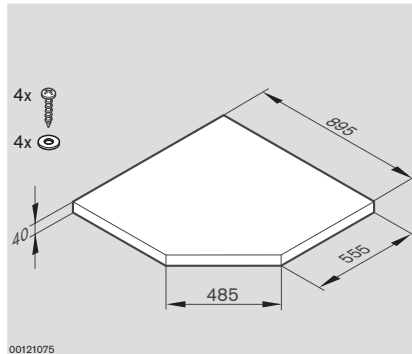
Economic

Suitable for use with normal mechanical strain on the table top surface.

Material: coated chipboard, layer thickness 0.1 mm

Color: light gray, RAL 7035

Edge protector material: ABS



00121075

Economic

Material no.

3 842 521 675

Basic ESD ⚠

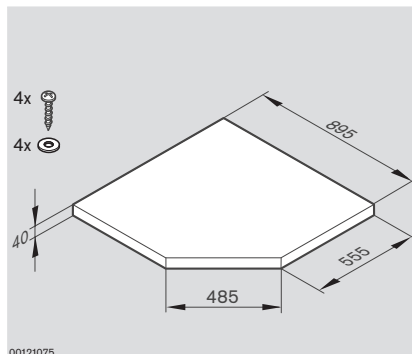
Suitable for use with high mechanical strain on the table top surface.

Material: coated chipboard with volume-conductive material, layer thickness 0.8 mm.

Specific resistance $R_v = 1 \times 10^5 - 1 \times 10^7 \Omega$ (DIN EN 61 340-5-1)

Color: light gray RAL 7035

Edge protector material: ABS



00121075

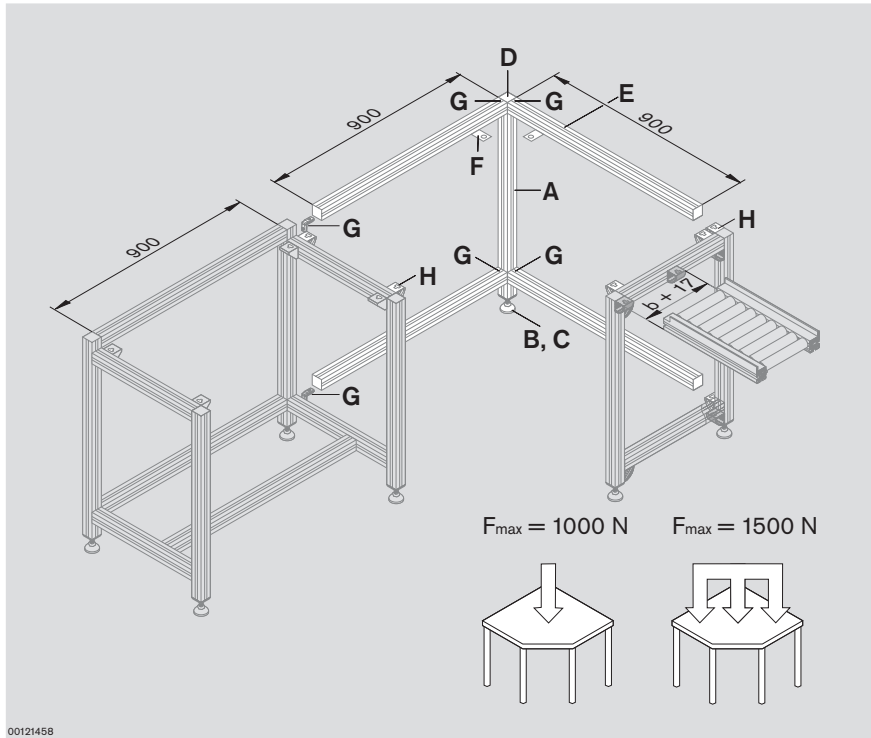
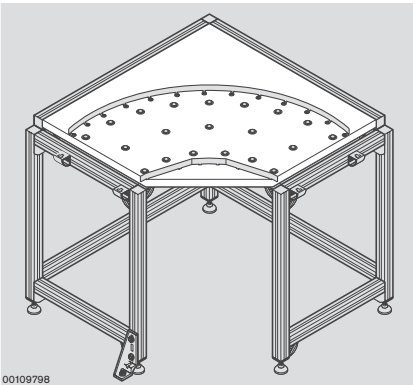
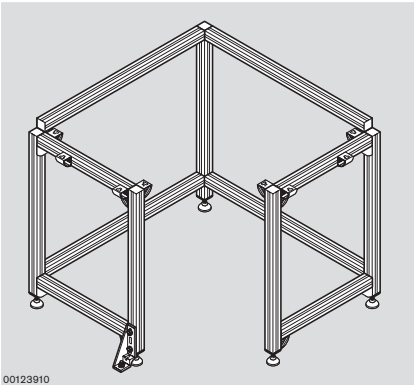
Basic ESD

Material no.

⚠ 3 842 537 247

Corner bases for table tops – application example

You can use Rexroth strut profiles to tailor corner bases for table tops to your needs. Detailed information on strut profiles can be found in the “Basic Mechanical Elements catalog” (3 842 529 114) (📄 14-11).



	h [mm]		Material no.	
A	900	1x	3 842 992 426 / 850 mm	📄 MGE
	1000	1x	3 842 992 426 / 950 mm	📄 MGE
B		1x	3 842 352 061	📄 MGE
C		1x	3 842 523 442	📄 MGE
D		1x	3 842 502 674	📄 MGE
E		4x	3 842 992 425 / 900 mm	📄 MGE
F		1x	3 842 521 677	
G		6x	3 842 535 571	📄 MGE
H		6x	3 842 523 561	📄 MGE

E-Mail: mps.rexroth@boschrexroth.de
 Tel: +49 (0)711/811-30698
 Fax: +49 (0)711/811-30364

Manual links

EcoFlow: ball rollers

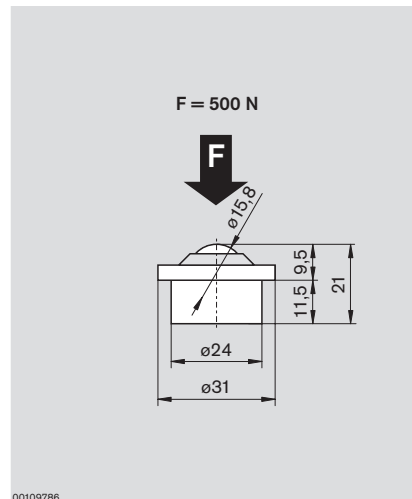


Ball rollers are required to build curves (☞ 4-14). If a volume-conductive (ESD) table top (☞ 4-15) is used, the curves are also suitable for ESD-conductive systems.

Housing material: steel, galvanized
Ball material: stainless steel



00127203



00109786

EcoFlow ball roller

Material no.

 **3 842 525 748**

Manual links

EcoFlow: stops

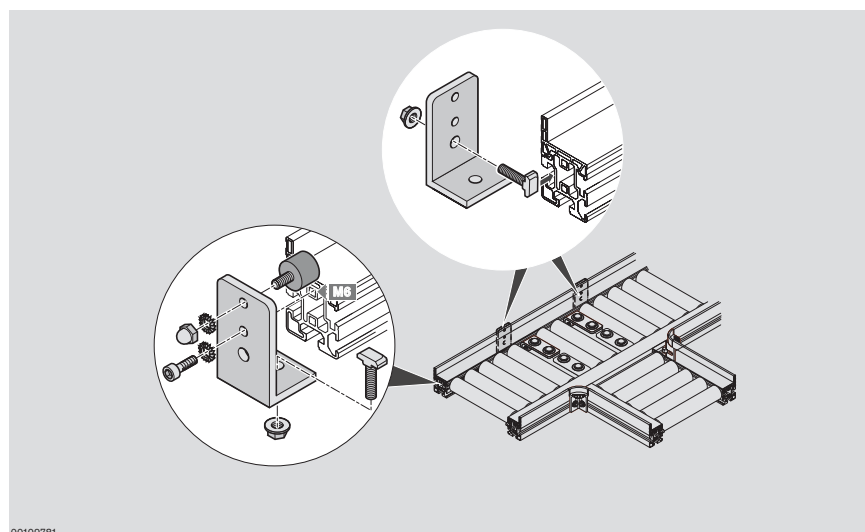


The stop with rubber buffer for the EcoFlow section profile (🔧 4-6) brings the workpiece pallet to a gentle halt.

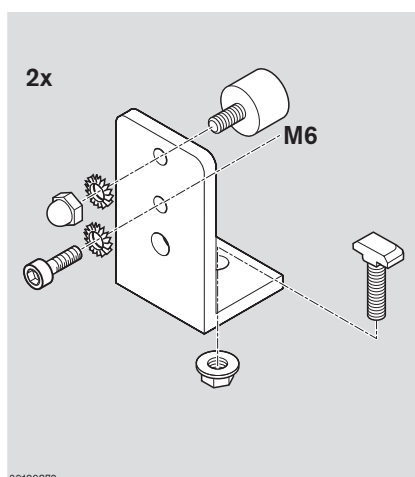
Material: aluminum, natural, anodized/PUR



00111633



00109781



00120872

EcoFlow stop



Set

Material no.

3 842 536 057

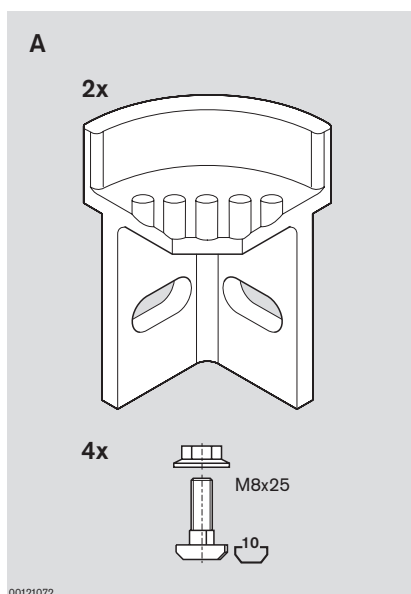
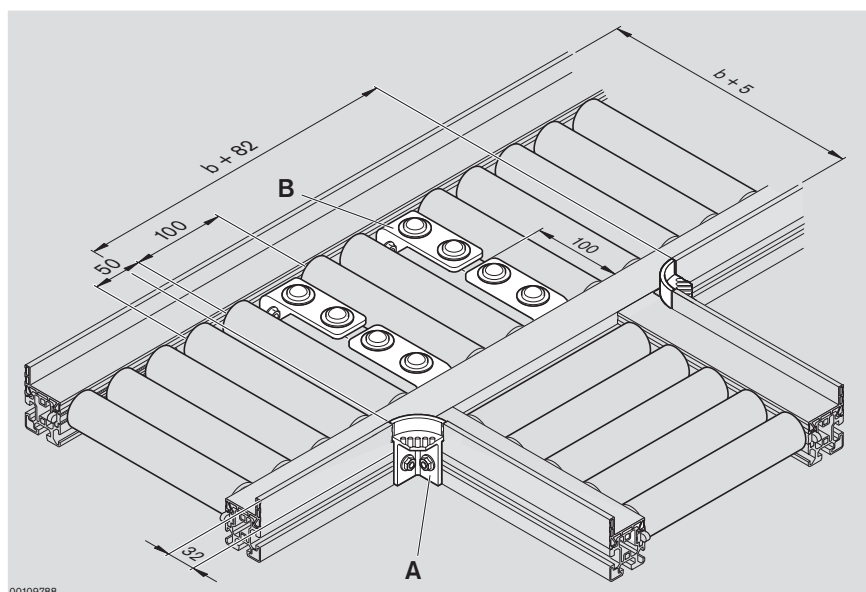
EcoFlow: corner pieces, transverse conveyors



For connecting adjacent 90 degree transfer sections. The sections are fastened at the same level.

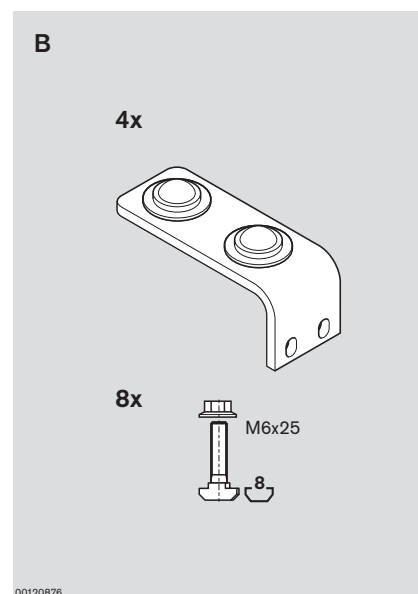
Corner piece material: A: PA, black,
conductive to $10^6 \Omega$

Transverse conveyor material: B: steel, galvanized



EcoFlow corner piece

		Material no.
A	Set	 3 842 536 056



EcoFlow transverse conveyor

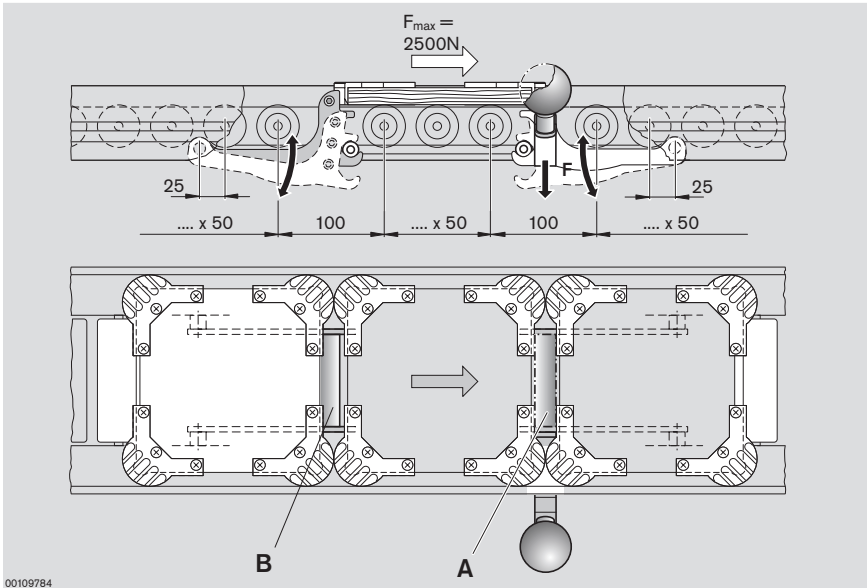
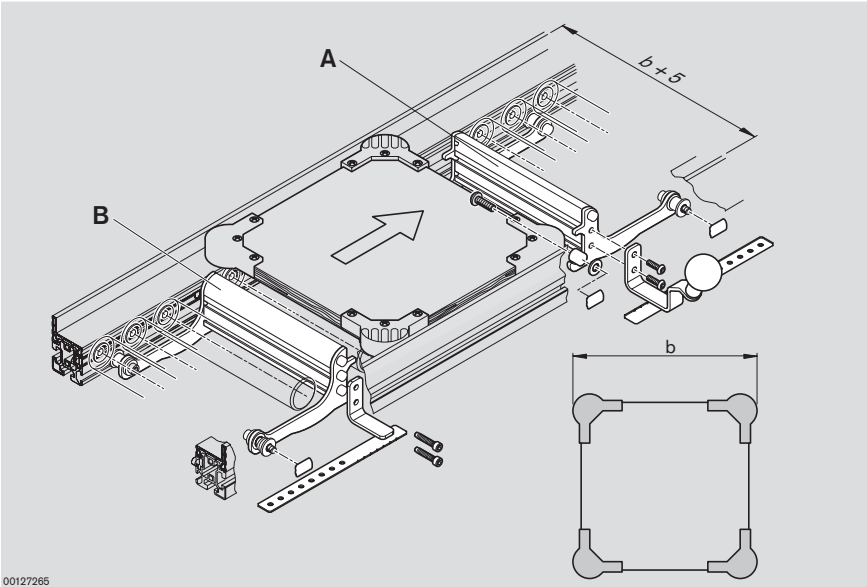
		Material no.
B	Set	 3 842 536 055

Manual links

EcoFlow: custom stop gates



Use the stop gate (A) and return stop (B) to position workpiece pallets at the workstation. Sufficient leg room must be taken into consideration if a stop gate and return stop are used. The stop gate and return stop require 45 mm more space below the bottom.



Stop gate incl. manual pushbutton

Material no.
3 842 995 007

Ordering parameters for 3 842 995 007

EL Roller length = ... (105–1005) mm

Return stop

Material nr.
3 842 995 017

Ordering parameters for 3 842 995 017

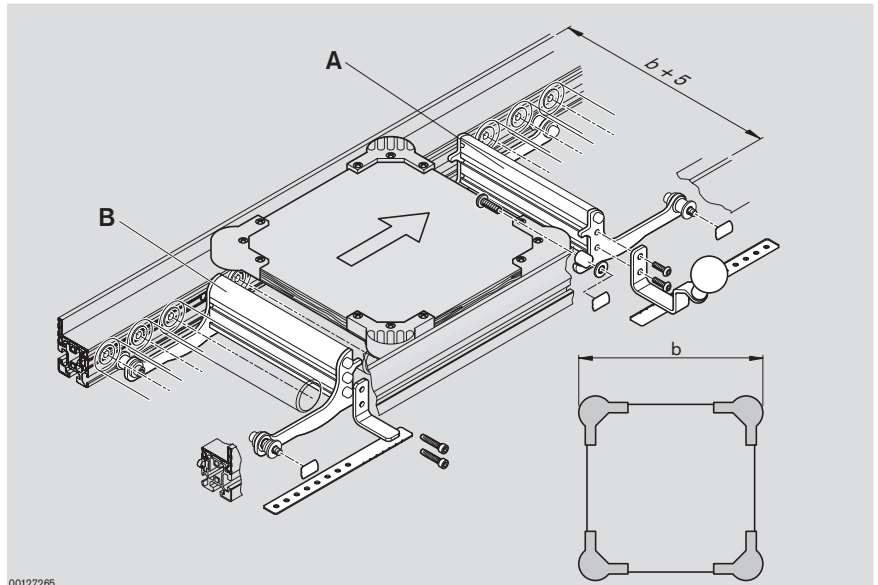
EL Roller length = ... (105–1005) mm

Manual links

EcoFlow: stop gates/return stops



Use the stop gate (A) and return stop (B) to position workpiece pallets at the workstation.



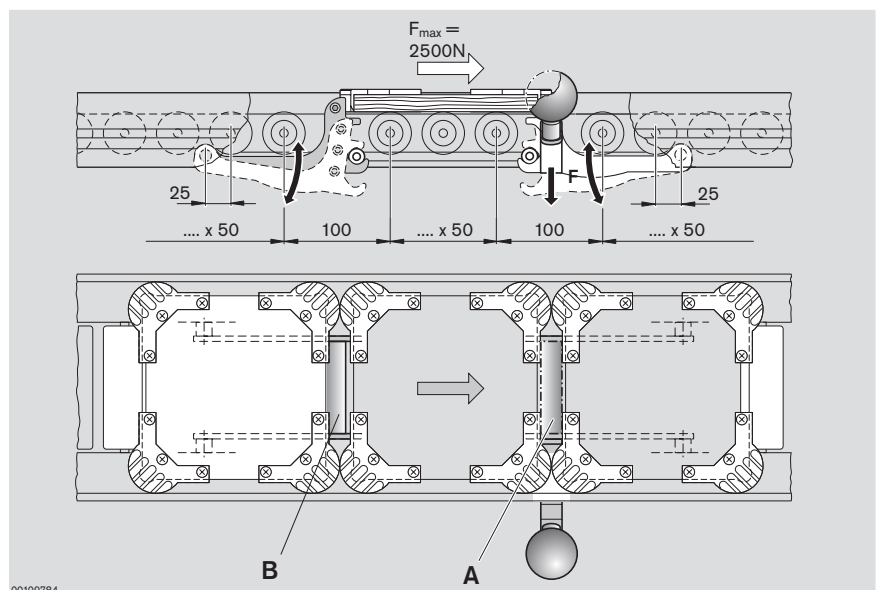
00127265

EcoFlow stop gate incl. manual pushbutton

	b [mm]	Material no.
A	300	3 842 537 894
	400	3 842 537 895
	500	3 842 537 896
	600	3 842 537 897

EcoFlow return stop

	b [mm]	Material no.
B	300	3 842 537 898
	400	3 842 537 899
	500	3 842 537 900
	600	3 842 537 901



00109784

Further section widths available on request

E-Mail: mps.rexroth@boschrexroth.de

Tel.: +49 (0)711/811-30698

Fax: +49 (0)711/811-30364

EcoFlow: workpiece pallet corner pieces

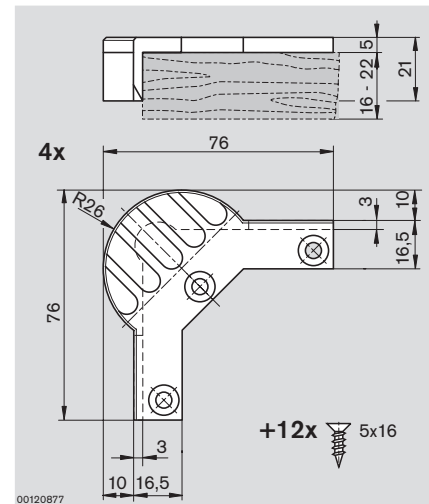
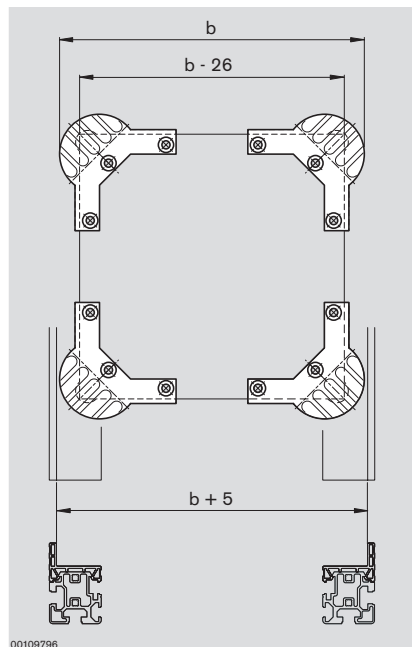
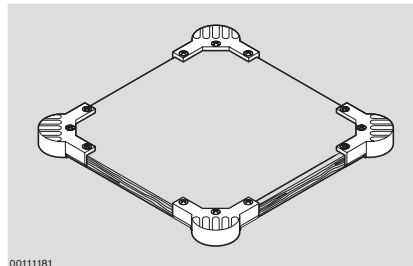


Produce workpiece pallets from the most diverse materials quickly and simply.

The corner pieces offer the following functions:

- Isolation of parts from a pallet queue
- Well-defined guidance and stopping surfaces
- Good transition through curves
- Avoidance of edges where trapping may occur
- A prerequisite in order for the stop gate, return stop, curved section, and transverse conveyor to function well.

Material: PA, black, conductive to $10^6 \Omega$ (DIN EN 61 340-5-1).



EcoFlow workpiece pallet corner pieces



Material no.

Set  **3 842 536 054**

Material shuttles

Material shuttles

Workstation material shuttles	 5-6
Material shuttles Logistics	 5-8
Standard material shuttles	 5-10

Material shuttles

Material shuttles

Ergonomically designed material shuttles can be put together to fit your individual needs using Rexroth's comprehensive program. A wide variety of options for linking or material supply at the workstation are available with different types of shuttles.

- The material shuttle Logistics is used to manually link the supermarket and workstation, as well as to commission materials for the workstation.
- Using a workstation material shuttle, you can slide several equipped material shuttles into a workstation to enable short conversion times with a large variety of products.
- Using a material shuttle as a modular system, you can freely design a material shuttle to supply workpiece pallets, boxes, or (grab) containers.

All material shuttles can be put together from individual components or modules, as well as ordered fully assembled. Custom material shuttles can be conveniently configured using the *MPScalc* planning and calculation software.



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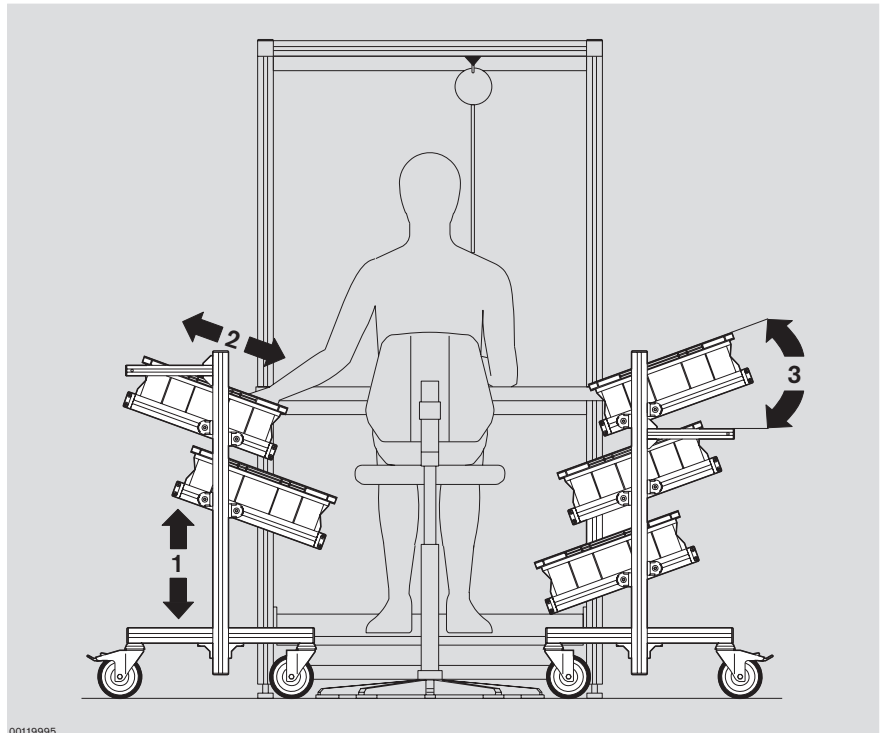
00127215

Material shuttles

The container supports can be adjusted according to height (1), position (2), and angle (3) for all shuttle types.

The ergonomically designed material supply system minimizes strain on workers and increases economic efficiency.

The material shuttle adapts itself to the demands of your production and employees - not the other way round!



00119995



00121480

Commissioning, transport



00121486









Supply at the workstation

Material shuttles

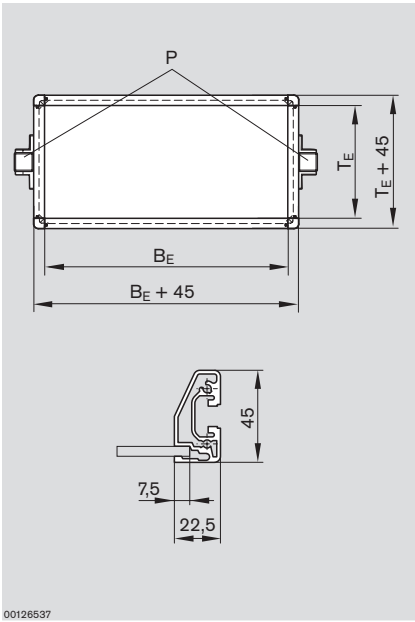
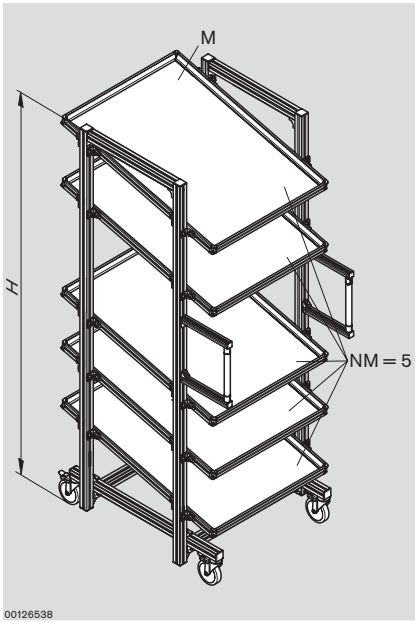
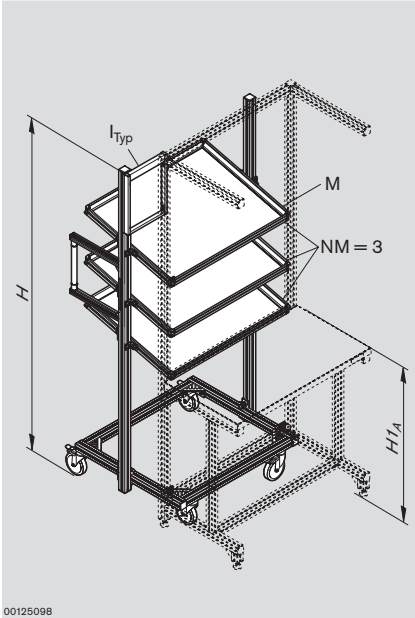
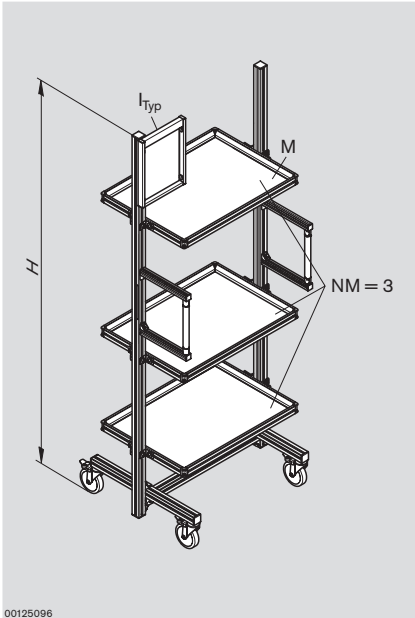
Custom material shuttles: parameters

All the parameters will be explained on the following pages and special features pointed out.

All material shuttles are based on profile 45x45 L.

A	A = ... (0, 1) Version: The material shuttle is available fully assembled (A = 1) or as a pre-assembled kit with assembly instructions (A = 0).
ESD	ESD = ... (0, 1) Conductivity: If you select (ESD = 1), the complete material shuttle will be ESD-conductive.
H	H = ... (600–2200) mm with workstation material shuttle H = ... (500–2200) mm with material shuttle Logistics Material shuttle height.
H1 _A	H1 _A = ... (410–1500) mm Work surface height: the material shelves are mounted above the work surface of the workstation. This parameter refers to the workstation ( 2-8) and only has to be selected with workstation material shuttles.
NM	NM = ... (0–4) with workstation material shuttle NM = ... (0–8) with material shuttle Logistics Number of material shelves.
M	M = ... (1, 2, 3) Material shelf material: the following materials are available for material shelf base plates (M = 1) Aluminum (M = 2) PP (polypropylene) (M = 3) ESD (SB)
B _E	B _E = ... (250–1480) mm with aluminum (M = 1) B _E = ... (250–1000) mm with PP (M = 2) and ESD (M = 3) Material shelf width (inner dimensions). The width of the workstation must be taken into consideration for the workstation material shuttle. If the material shuttle is inserted in a workstation, we recommend for width B _E = B _A - (2x workstation profile) - 165 mm. If the workstation does not have footrests, the B _E dimension can be increased to B _E = B _A - (2x workstation profile) - 10 mm.
T _E	T _E = ... (410–1220) mm with aluminum (M = 1) T _E = ... (410–1000) mm with PP (M = 2) and ESD (M = 3) Material shelf depth (inner dimensions).
I _{Typ}	I _{Typ} = ... (0, 1, 2, 3, 5, 6, 7, 8) Information board: The material shuttle can be equipped with one of the following information boards. (I _{type} = 1) A4 ( 2-56) (I _{type} = 2) 2 x A4, EU ( 2-56) (I _{type} = 3) 2 x A4 ESD, EU ( 2-56) (I _{type} = 5) 2 x A4 plus ( 2-56) (I _{type} = 6) ISO EU ( 2-58) (I _{type} = 7) ISO USA ( 2-58) (I _{type} = 8) 2 x A4 ESD, USA ( 2-57) (I _{type} = 0) Without information board The information boards contain one (A4) or two (2 x A4) transparent plastic sleeves each.

Material shuttles



Material shuttles

Custom workstation material shuttles



When dealing with a large variety of products, the workstation material shuttle provides you with the opportunity to precommission a material shuttle with the associated parts for each product variant. It is equipped with locking rollers.

- Conversion times are reduced to a minimum by quickly changing the precommissioned shuttle.
- The material shuttles are adapted to the workstations according to customer specifications.

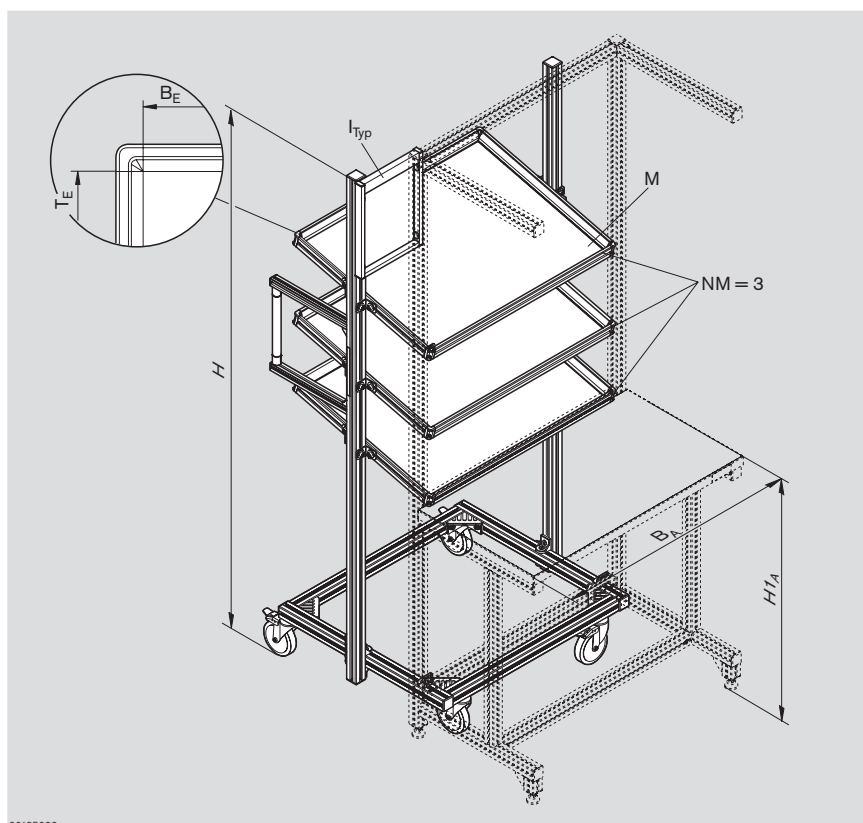


00127222



00127215

Material shuttles



00125099

Workstation material shuttle

Material no.

3 842 998 231

Ordering parameters for 3 842 998 231

A	Version (0=kit, 1=assembled)	= ... (0, 1)
ESD	(0 = no, 1 = yes)	= ... (0, 1)
H	Material shuttle height	= ... (600–2200) mm
H1 _A	Workstation work surface height	= ... (410–1500) mm
NM	Number of material shelves	= ... (0-4)
M	Material shelf material (1 = alu, 2 = PP, 3 = ESD)	= ... (1, 2, 3)
B _E	Material shelf width	= ... (250–1480) mm
T _E	Material shelf depth	= ... (410–1220) mm
I _{Typ}	Information board	= ... (0, 1, 2, 3, 5, 6, 7, 8) (☞ 5-4)



Your order will be checked for feasibility and adapted, if necessary.
Check your order confirmation.



(☞ 6-19)

Material shuttles

Custom material shuttles Logistics

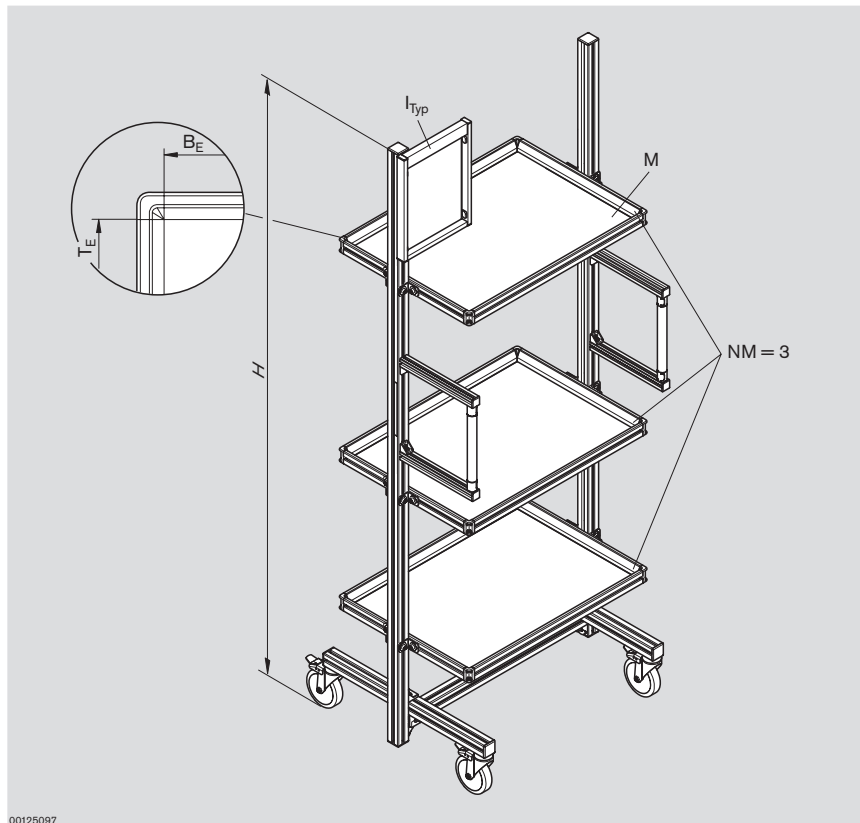


The material shuttle Logistics is used to manually link a supermarket shelf with workstations or to link two workstations or production islands. Logisticians use the material shuttles to equip workstations with material from the supermarkets. Thanks to an option that lets you position material shelves at an angle, C-parts can also be supplied on the side at the workstation. It is equipped with locking rollers.



00127204

Material shuttles



00125097

Material shuttle Logistics

Material no.
3 842 998 230

Ordering parameters for 3 842 998 230

A	Version (0=kit, 1=assembled)	= ... (0, 1)
ESD	(0=no, 1=yes)	= ... (0, 1)
H	Material shuttle height	= ... (500–2200) mm
NM	Number of material shelves	= ... (0-8)
M	Material shelf material (1 = alu, 2 = PP, 3 = ESD)	= ... (1, 2, 3)
B _E	Material shelf width	= ... (250–1480) mm
T _E	Material shelf depth	= ... (410–1220) mm
I _{TYP}	Information board	= ... (0, 1, 2, 3, 5, 6, 7, 8) (☞ 5-4)



Your order will be checked for feasibility and adapted, if necessary.
Check your order confirmation.



(☞ 6-19)

Material shuttles

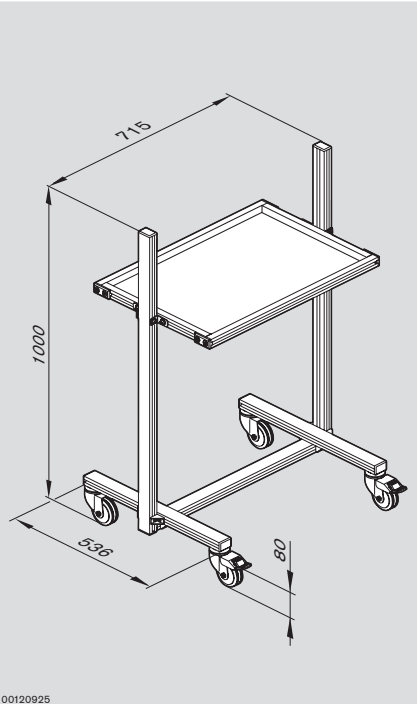
Economic standard material shuttle Logistics



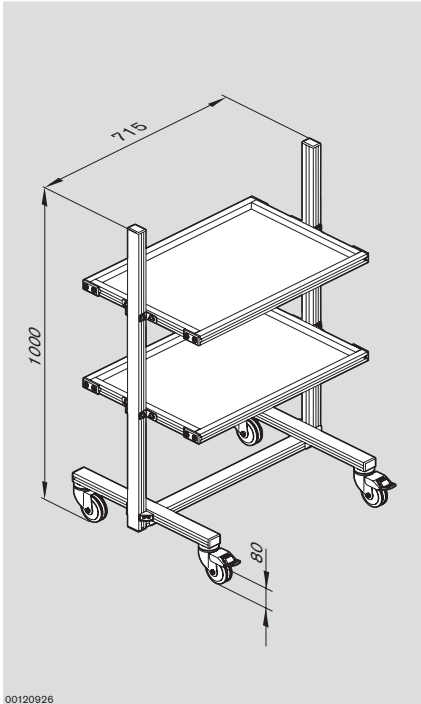
The Economic standard material shuttle is the attractive solution for medium loads in your production. With rubber-tired locking industrial wheels. Material shelf incl. fastening kit.



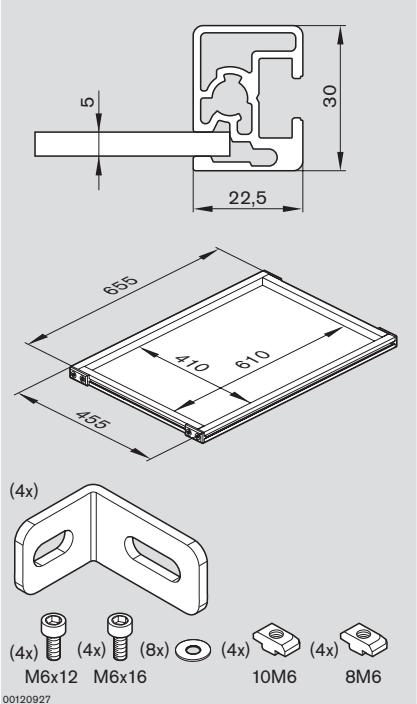
00121487



Material no.
3 842 515 481
3 842 518 120



Material no.
3 842 515 482
3 842 518 121



Material no.
3 842 538 456
3 842 538 458

Material shuttles

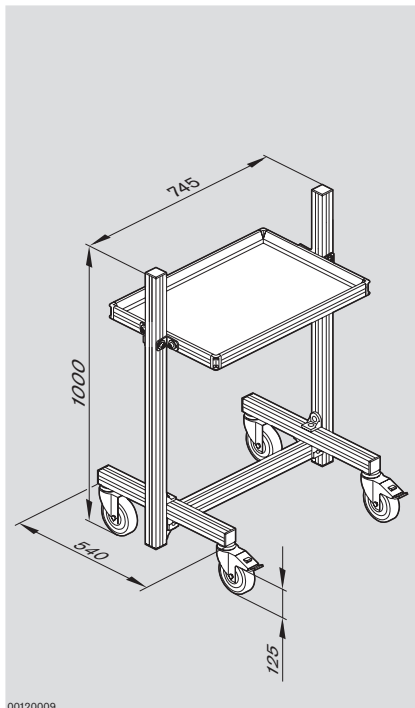
Basic standard material shuttle Logistics



Basic standard material shuttle, for heavy-duty use in transport and material supply in your production. It is equipped with locking rollers with ball bearings. Material shelf incl. fastening kit

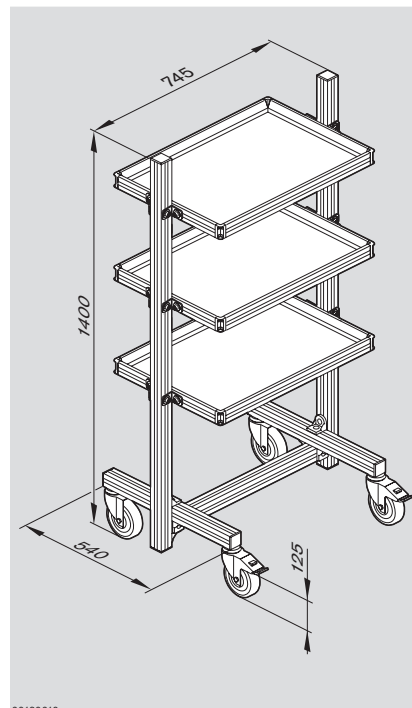


00121488



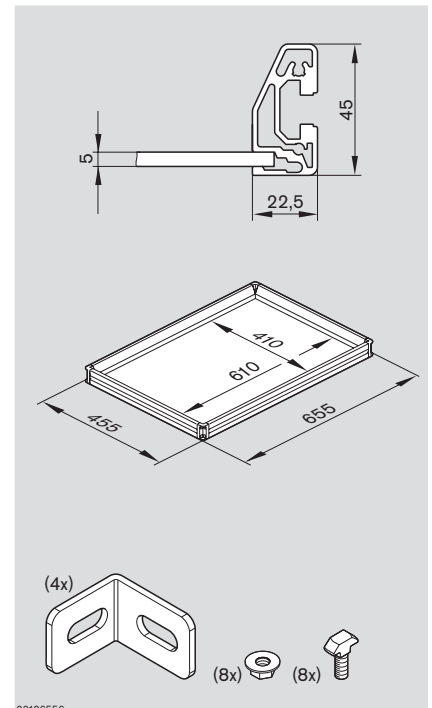
00120009

Material no.
3 842 515 483
⚠ 3 842 515 484



00120010

Material no.
3 842 508 181
⚠ 3 842 508 182



00126556

Material no.
3 842 538 460
⚠ 3 842 538 461



Material shuttles

Products for material shuttles

We also offer a comprehensive program of modules and accessories.



00126510

Information on material shelves (📄 2-25).



00127196

Information on information boards (📄 2-56).

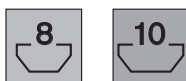


00127292

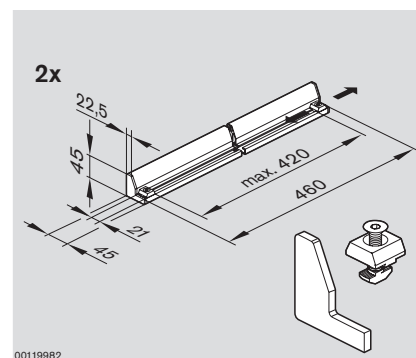
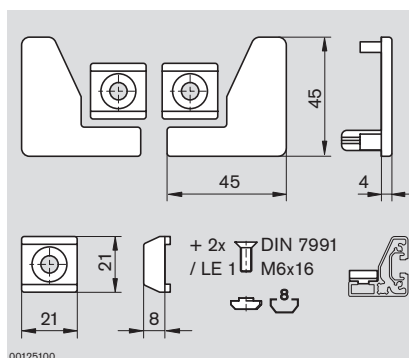
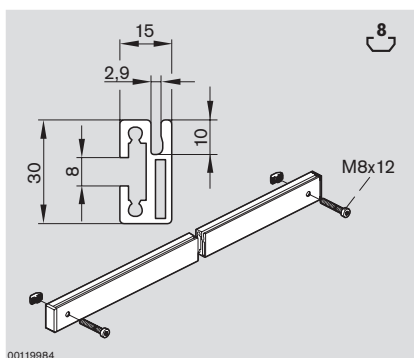
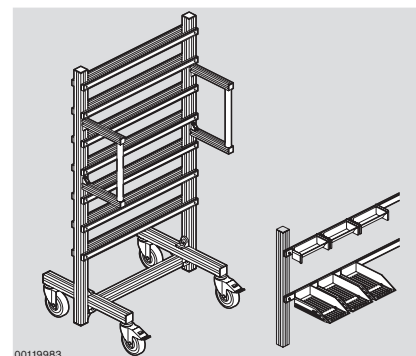
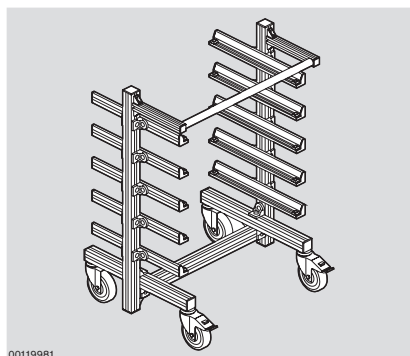
Information on lettering clips (📄 2-27).

Material shuttles

Application examples



Material shuttle angle profiles to hold workpiece pallets or containers with suspension profiles for grab containers (☞ 3-67) for commissioning, transport and supply of small parts.



Suspension profile

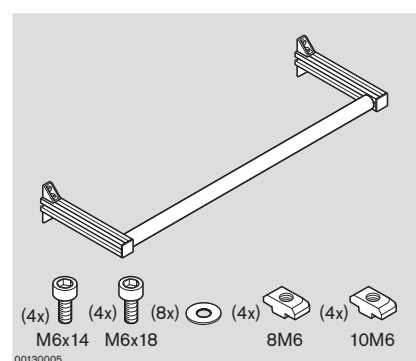
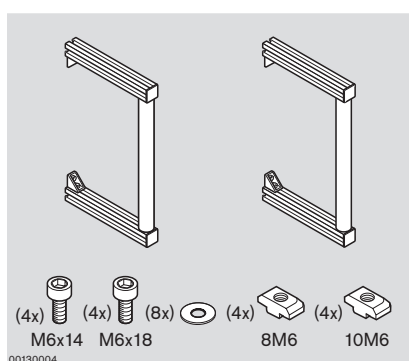
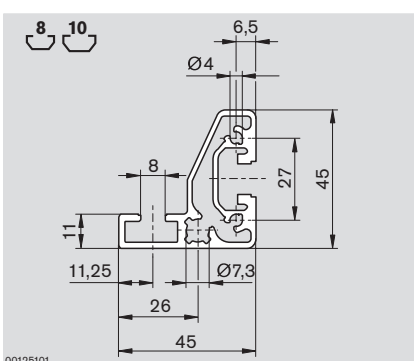
Material no.
3 842 998 215
(  2-31)

Parts kit

	Material no.
20	3 842 508 116

Angle profile

	Material no.
Set	3 842 505 360



Angle profile

LE	Material no.
1	3 842 992 412
	30 mm ≤ L ≤ 6000 mm

Handle HG-305

	Material no.
Set 	3 842 507 260

Handle HG-655

Set **3 842 507 262**

Suitable for standard material shuttle Basic (Logistics).



LE	Material no.
20	3 842 508 104
	L = 6000 mm

Material shuttles



Technical data

Technical data



Workstations and workplace accessories

  6-2

Flow rack systems and supply of materials

  6-8

Manual links (EcoFlow)

  6-18

Material shuttles

  6-19

Technical data

Workstations and workstation accessories

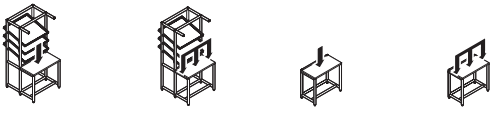
Workstations

Lumped and surface loads for workstations. In custom workstations, these values are dependent on width (B), foot version (FU), and workstation design. For standard workstations, the values for B < 1500 mm apply. All values apply to desk and box type construction.

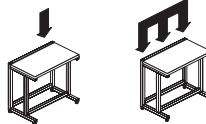
- 3 842 998 110 (📄 2-14)
- 3 842 538 570 (📄 2-16)
- 3 842 538 571 (📄 2-16)
- 3 842 538 572 (📄 2-16)
- 3 842 538 573 (📄 2-16)
- 3 842 538 574 (📄 2-17)
- 3 842 538 575 (📄 2-17)
- 3 842 538 576 (📄 2-17)
- 3 842 538 577 (📄 2-17)

Lumped and surface loads for mechanically and electrically height-adjustable workstations.

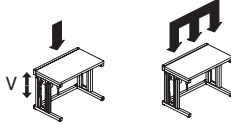
- 3 842 512 990 (📄 2-20)



<div></div>					
B [mm]	FU	F _{max} [N]	F _{max} [N]	F _{max} [N]	F _{max} [N]
<1500	GF	2000	4000	2000	4000
	LR	1800	1800	2000	2400
>1500	GF	1500	2000	1500	2000
	LR	1500	1800	1500	2000

Mechanically adjustable

<div></div>		
F _{max} [N]	2000	2500

Electrically adjustable

<div></div>		
F _{max} [N]	1500	1800
v [mm/s] (230 V)	12	12

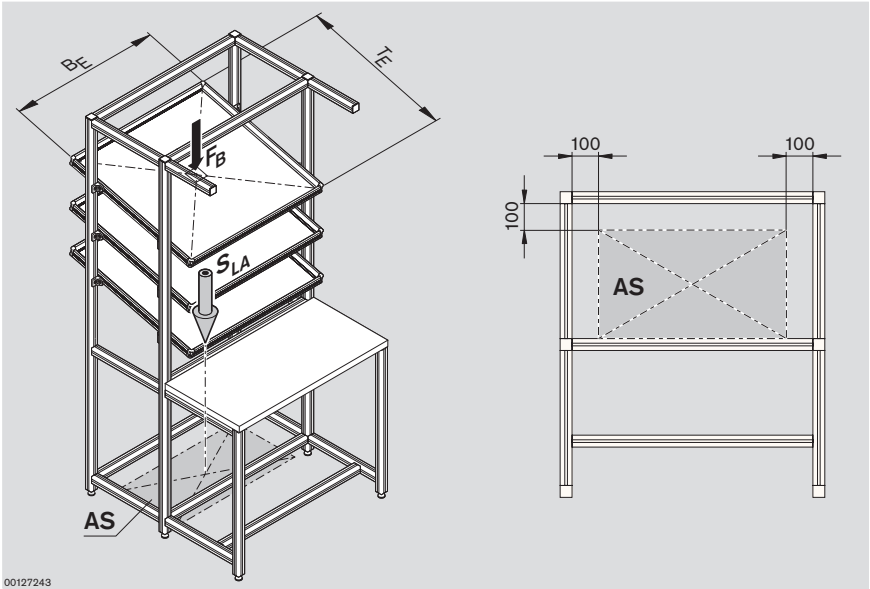
	Lumped load
	Surface load
B	Width
FU	Foot version
GF	Leveling foot
LR	Caster

Technical data

Material shelves

S_{LA} Gravity vector
AS Permissible position of the line of action of the gravity vector S_{LA}

- 3 842 998 183 (2-24)
- 3 842 998 184 (2-24)
- 3 842 998 155 (2-24)



Max. material shelf loads

	T_E (mm)	1220	1220	840	765	1000	1000	840	765
	B_E (mm)	1480	840	1480	840	1000	840	1000	840
M = 1	F_E (N)	700	700	700	1000				
M = 2, 3	F_E (N)					250	280	280	360

F_E is a surface load and may not occur as a lumped load.


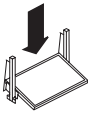
M = 1	Alu
M = 2	PP
M = 3	ESD (SB)

Technical data

Footrests

Maximum load of custom footrests, as well as standard footrests.

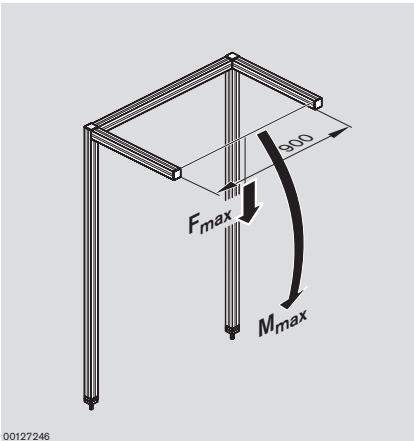
- 3 842 998 256 (📄 2-35)
- 3 842 538 771 (📄 2-35)
- 3 842 538 772 (📄 2-35)
- 3 842 998 257 (📄 2-36)
- 3 842 519 735 (📄 2-36)
- 3 842 538 409 (📄 2-36)
- 3 842 515 160 (📄 2-36)
- 3 842 538 098 (📄 2-36)

	Economic	Basic
		
F_{max} [N]	1000	1000

Workstation accessories

Standard strut extensions P = 45x45L

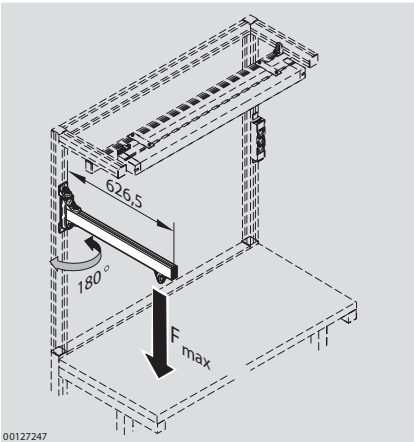
- 3 842 519 530 (📄 2-21)
- 3 842 191 180 (📄 2-21)



F_{max} [N]	250
M_{max} [Nm]	150

Tool hanger 180°

- 3 842 521 517 (📄 2-67)



F_{max} [N]	100
---------------	-----

Technical data

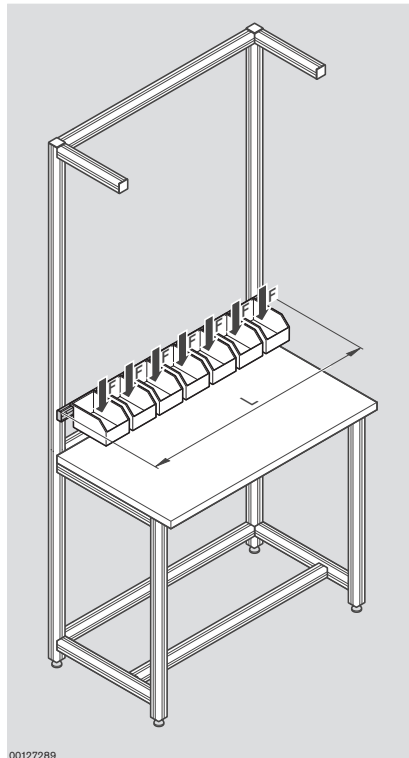
Suspension profiles 15x30

3 842 993 411 (☞ 2-31, 2-73, 3-65)

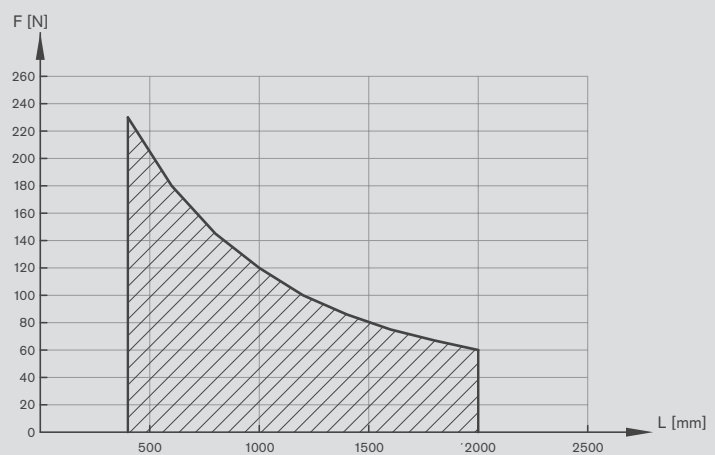
3 842 537 679 (☞ 2-31, 2-73, 3-65)

3 842 993 359 (☞ 2-31, 2-73, 3-65)

3 842 537 681 (☞ 2-31, 2-73, 3-65)



00127289

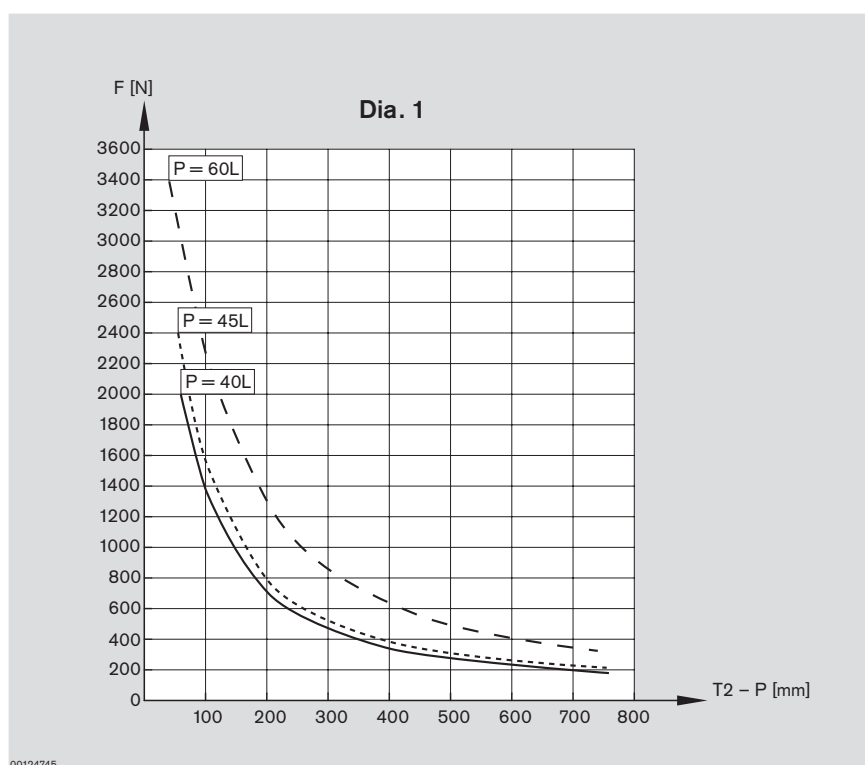
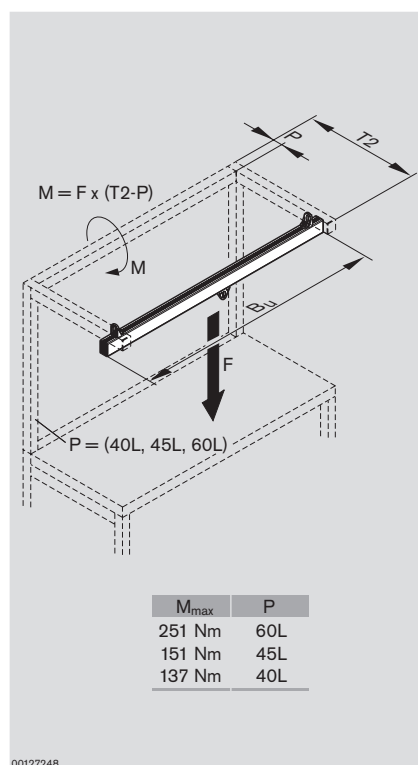


00127291

Technical data

Suspension at workstation: without
accessory upright, with accessory
upright, with reinforced strut extension

3 842 998 216 (📄 2-68)



Example for determining F_{\max}

Determination of the load for T2:

$P = 45 \text{ mm}$

$T2 = 400 \text{ mm}$

☞ Dia.1 → $F = 380 \text{ N}$

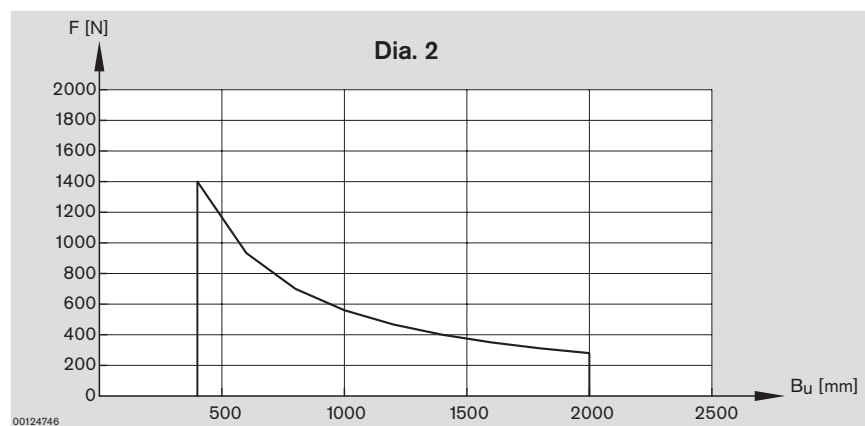
Determination of the load for the suspension

$B_u = 1000 \text{ mm}$

☞ Dia.2 → $F = 580 \text{ N}$

The maximum permissible load F_{\max} is the smaller of the load values.

$F_{\max} = 380 \text{ N}$

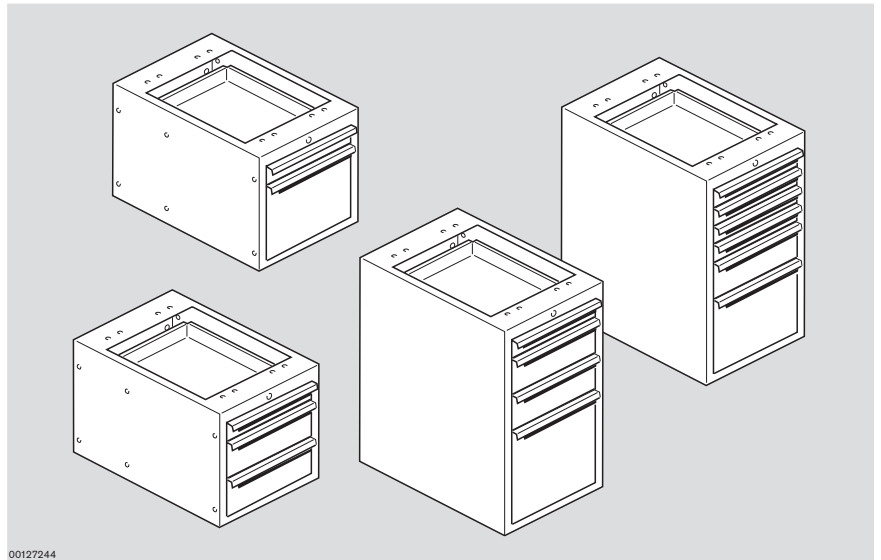


Technical data

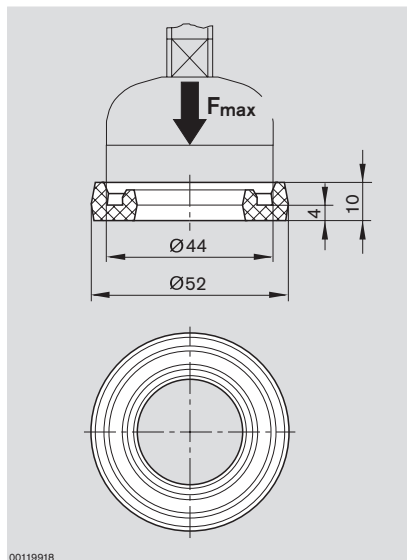
Drawer cabinets

3 842 513 491 (📄 2-78)**3 842 513 492** (📄 2-78)**3 842 516 701** (📄 2-78)**3 842 513 493** (📄 2-79)**3 842 513 494** (📄 2-79)

Load per drawer: 350 N



Damping rings

3 842 521 817 (📄 2-88)

F_{max} [N]	2000
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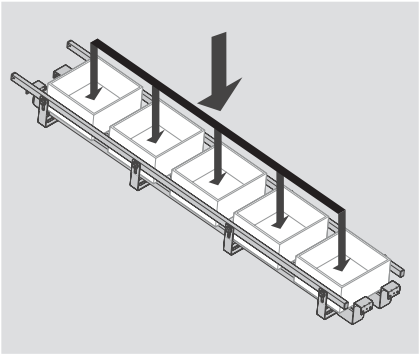
Technical data

Flow rack systems and supply of materials

Flow rack systems XLean, Lean, EcoFlow

Max. load per track

Max. load F_{Σ} = weight of the roller conveyors + containers + stored parts.
 F_{Σ} is a surface load and may not occur as a lumped load.

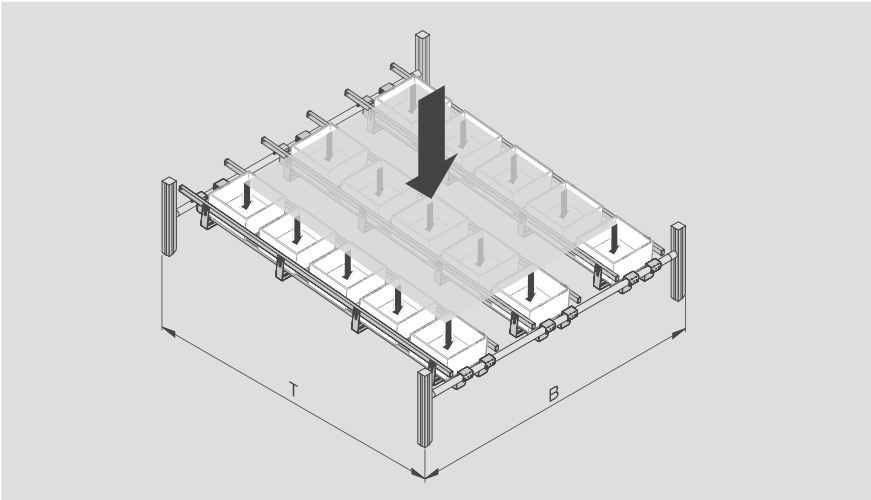


TT = 1000	TT = 1500	$F_{\Sigma}^{1)}$
T [mm]	T [mm]	
T ≤ 1000	T ≤ 1500	100 kg
1000 < T ≤ 2000	1500 < T ≤ 3000	150 kg
2000 < T ≤ 3000	3000 < T ≤ 4500	200 kg
3000 < T ≤ 4000	4500 < T ≤ 6000	250 kg
4000 < T ≤ 5000	–	300 kg
5000 < T ≤ 6000	–	350 kg

1) Max. Last / Max. load / Charge max. / Carico max. / Carga máx.

Max. load per shelf

Max. load F_{Σ} = weight of the roller conveyors + containers + stored parts.
 F_{Σ} is a surface load and may not occur as a lumped load.



TT = 1000		TT = 1500		B ≤ 1000		1000 < B ≤ 1500	
T [mm]		T [mm]		PT = RT PT = RTW $F_{\Sigma}^{1)}$	PT = DRT $F_{\Sigma}^{1)}$	PT = RT PT = RTW $F_{\Sigma}^{1)}$	PT = DRT $F_{\Sigma}^{1)}$
T ≤ 1000		T ≤ 1500		200 kg	320 kg	100 kg	160 kg
1000 < T ≤ 2000		1500 < T ≤ 3000		300 kg	480 kg	150 kg	240 kg
2000 < T ≤ 3000		3000 < T ≤ 4500		400 kg	640 kg	200 kg	320 kg
3000 < T ≤ 4000		4500 < T ≤ 6000		500 kg	800 kg	250 kg	400 kg
4000 < T ≤ 5000		–		600 kg	960 kg	300 kg	480 kg
5000 < T ≤ 6000		–		700 kg	1120 kg	350 kg	560 kg

1) Max. load
 2) Limited to 2000 kg max. load per rack

Technical data

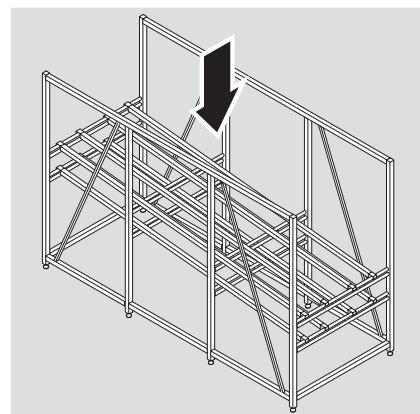
Max. load per flow rack

Max. load F_{Σ} = weight of the roller
conveyors + containers + stored parts.
 F_{Σ} is a surface load and may not occur
as a lumped load.





3 842 998 249 (☞ 3-10)

3 842 998 332 (☞ 3-12)

3 842 998 322 (☞ 3-14)







LV = 1 (standard)

		Typ 2		Typ 1	
TT = 1000	TT = 1500				
T [mm]	T [mm]	FU = LR	FU = GF	FU = LR	FU = GF
$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$
T ≤ 1000	T ≤ 1500	240 kg	400 kg	120 kg	200 kg
1000 < T ≤ 2000	1500 < T ≤ 3000	320 kg	400 kg	160 kg	200 kg
2000 < T ≤ 3000	3000 < T ≤ 4500	400 kg	400 kg	200 kg	200 kg
3000 < T ≤ 4000	4500 < T ≤ 6000	400 kg	400 kg	200 kg	200 kg
4000 < T ≤ 5000	–	400 kg	400 kg	200 kg	200 kg
5000 < T ≤ 6000	–	400 kg	400 kg	200 kg	200 kg

¹⁾ Max. load

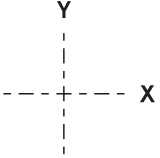



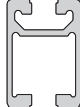

LV = 2 (reinforced)

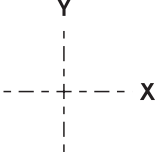
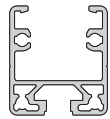

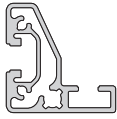
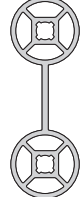
		Typ 2		Typ 1	
TT = 1000	TT = 1500				
T [mm]	T [mm]	FU = LR	FU = GF	FU = LR	FU = GF
$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$	$F_{\Sigma}^{1)}$
T ≤ 1000	T ≤ 1500	240 kg	2000 kg	120 kg	1000 kg
1000 < T ≤ 2000	1500 < T ≤ 3000	320 kg	2000 kg	160 kg	1000 kg
2000 < T ≤ 3000	3000 < T ≤ 4500	400 kg	2000 kg	200 kg	1000 kg
3000 < T ≤ 4000	4500 < T ≤ 6000	480 kg	2000 kg	240 kg	1000 kg
4000 < T ≤ 5000	–	560 kg	2000 kg	280 kg	1000 kg
5000 < T ≤ 6000	–	640 kg	2000 kg	320 kg	1000 kg

¹⁾ Max. load

Technical data

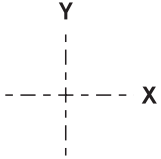




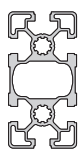





Profiles

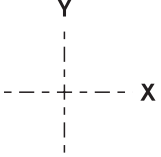


	Frame profile 22.5x30	Frame profile 22.5x45	Suspension profile	Profile rail 30x45C	Profile 15x22,5
					
Material no./page	3 842 992 493 3 842 515 229 (☞ 2-28)	3 842 992 411 3842 508 102 (☞ 2-29)	3 842 993 411 3 842 537 679 3 842 993 359 3 842 537 681 (☞ 2-31, 2-73, 3-73)	3 842 992 946 3 842 523 598 (☞ 2-69)	3 842 992 473 3 842 513 576 (☞ 3-39, 4-10)
Moment of inertia	I_x [cm ⁴]	1.68	6.67	2.06	10.33
	I_y [cm ⁴]	2.97	1.66	0.48	5.60
Section modulus	W_x [cm ³]	1.49	2.76	2.68	4.23
	W_y [cm ³]	1.98	1.28	0.32	3.73
Profile surface A	[cm ²]	3.20	3.43	2.03	4.38
Mass	[kg/m]	0.86	0.86	0.548	1.23

	U-profile	Section profile MV 45x45	Angle profile	Strut profile D28x55
				
Material no./page	3 842 993 316 3 842 535 115 (☞ 3-51)	3 842 993 029 3 842 537 321 (☞ 3-59, 4-6)	3 842 992 412 3 842 508 104 (☞ 5-13)	3 842 993 489 3 842 537 477 (☞ 3-41)
Moment of inertia	I_x [cm ⁴]	10.42	11.87	8.85
	I_y [cm ⁴]	8.32	10.50	6.95
Section modulus	W_x [cm ³]	4.63	—	3.18
	W_y [cm ³]	4.13	—	2.32
Profile surface A	[cm ²]	4.41	6.17	4.47
Mass	[kg/m]	1.19	1.67	1.20

Technical data

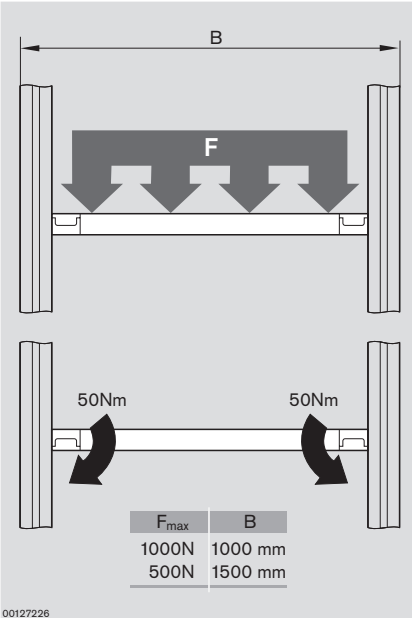
Profiles

		Strut profile 40x40L	Strut profile 45x45L	Strut profile 60x60L	Strut profile 40x80L	Strut profile 45x90L
						
		() Basic Mechanical Elements catalog) 3 842 529 114	() Basic Mechanical Elements catalog) 3 842 529 114	() Basic Mechanical Elements catalog) 3 842 529 114	() Basic Mechanical Elements catalog) 3 842 529 114	() Basic Mechanical Elements catalog) 3 842 529 114
Moment of inertia	I_x [cm ⁴]	9.0	14.0	32.4	63.4	81.9
	I_y [cm ⁴]	9.0	14.0	32.4	17.3	23.6
Section modulus	W_x [cm ³]	4.5	6.1	10.8	15.9	18.2
	W_y [cm ³]	4.5	6.1	10.8	8.7	10.5
Profile surface A	[cm ²]	5.6	7.5	9.6	9.9	11.2
Mass	[kg/m]	1.5	2.0	2.6	2.7	3.1

		Strut profile D28
		
Material no./page		3 842 993 317 3 842 535 118 () 3-40)
Moment of inertia	I [cm ⁴]	1.53
Section modulus	W_p [cm ³]	1.1
Profile surface A	[cm ²]	2.35
Mass	[kg/m]	0.68

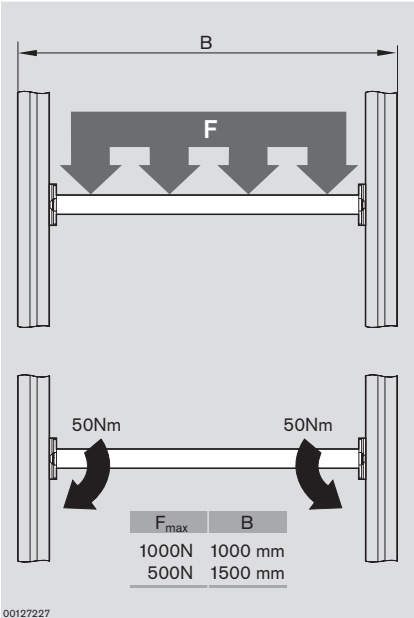
Technical data

Cross ties



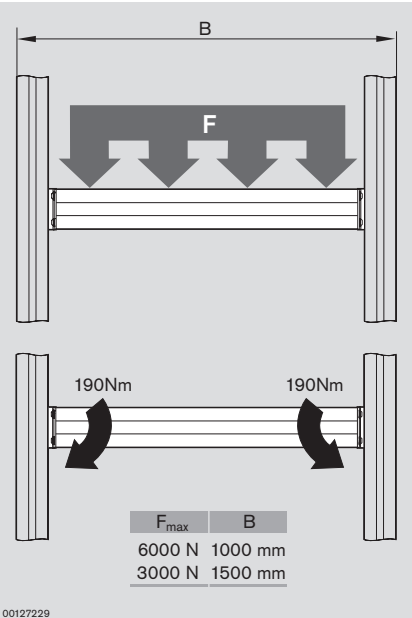
Tubular cross tie RT

3 842 993 330
(
3-20
)



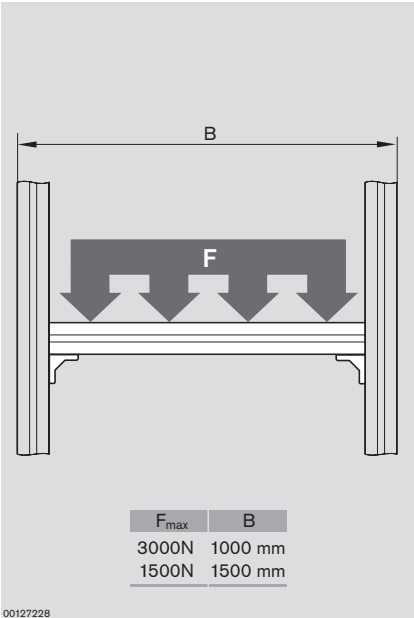
Tubular cross tie with bracket RTW

3 842 998 313
(
3-20
)



Double tubular cross tie with bracket DRT

3 842 998 314
(
3-21
)



Profile cross tie ST

3 842 993 401
(
3-21
)

Technical data

Conveyor tracks

Conveyor track XLean with rail holder.
Rollers with \varnothing 28 mm with and without roller flange.

3 842 998 196 (☞ 3-22)

Conveyor track Lean with rail holder.
Rollers with \varnothing 32 mm with and without roller flange.
Rollers with \varnothing 47 mm without roller flange.

3 842 998 381 (☞ 3-26)

3 842 998 389 (☞ 3-26)

3 842 998 382 (☞ 3-27)

3 842 998 390 (☞ 3-27)

Conveyor track Lean with stop plate.
Rollers with \varnothing 32 mm with and without roller flange.
Rollers with \varnothing 47 mm without roller flange.

3 842 998 383 (☞ 3-28)

3 842 998 391 (☞ 3-28)

3 842 998 384 (☞ 3-29)

3 842 998 392 (☞ 3-29)

Conveyor track Lean with rail holder.
Slide rail with and without roller flange.

3 842 998 387 (☞ 3-30)

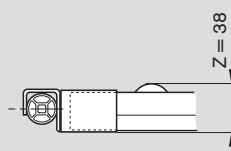
3 842 998 393 (☞ 3-30)

Conveyor track Lean with stop plate.
Slide rail with and without roller flange.

3 842 998 388 (☞ 3-31)

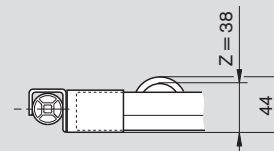
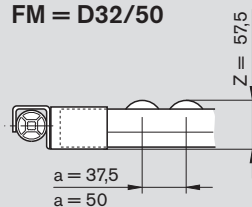
3 842 998 394 (☞ 3-31)

FM = D28



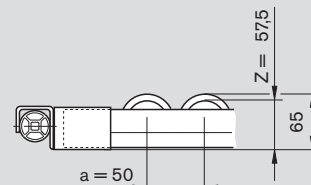
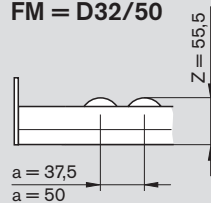
00127139

FM = D28SK

FM = D32/37,5
FM = D32/50

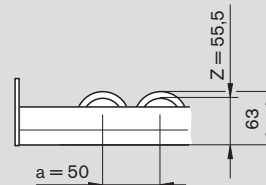
00127141

FM = D32SK/50

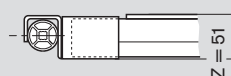
FM = D32/37,5
FM = D32/50

00127167

FM = D32 SK/50

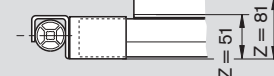


FM = GS



00127236

FM = GSSK

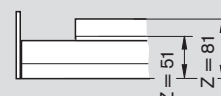


FM = GS



00127237

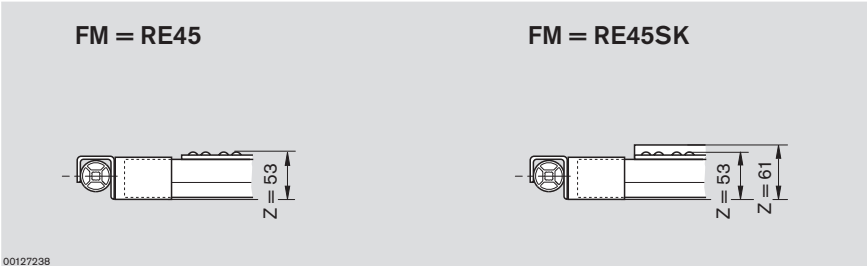
FM = GSSK



Technical data

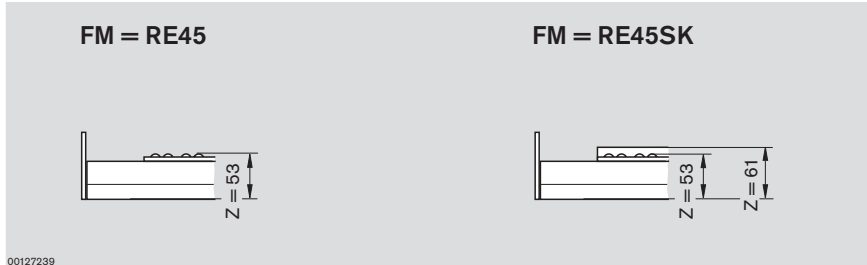
Conveyor track Lean with rail holder.
 Roller elements with and without roller
 flange.

3 842 998 385 (📄 3-32)
3 842 998 407 (📄 3-32)



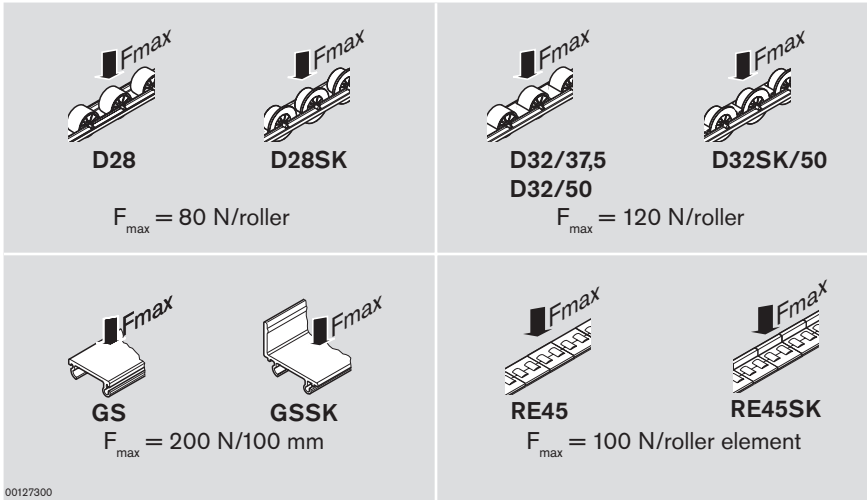
Conveyor track Lean with stop plate.
 Roller elements with and without roller
 flange.

3 842 998 386 (📄 3-33)
3 842 998 409 (📄 3-33)



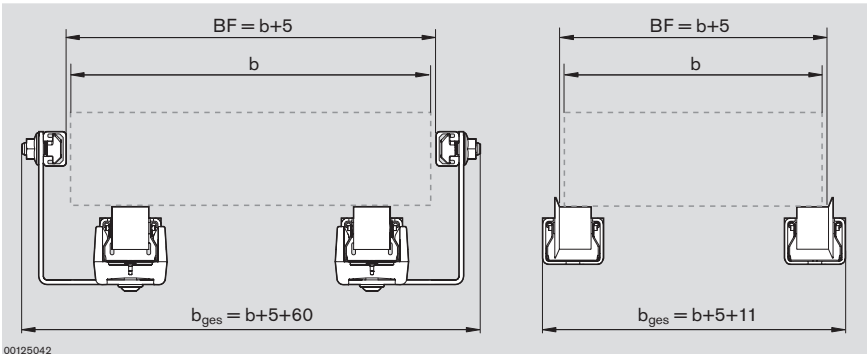
Conveyor mediums

D28, D28SK (📄 3-47)
 D32/37,5, D32/50, D32SK/50,
 GS, GSSK (📄 3-55)
 RE45, RE45SK (📄 3-55)



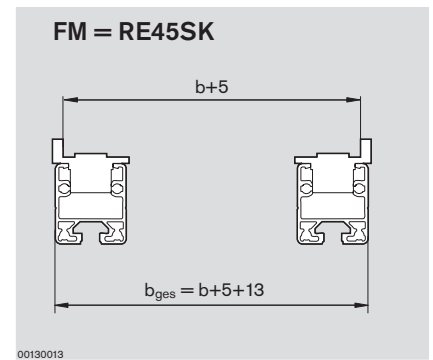
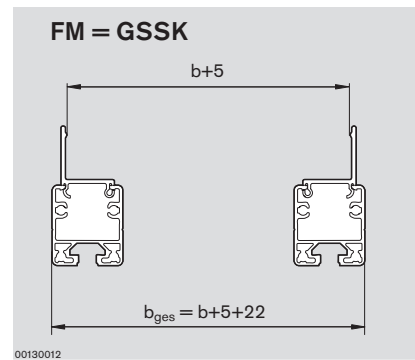
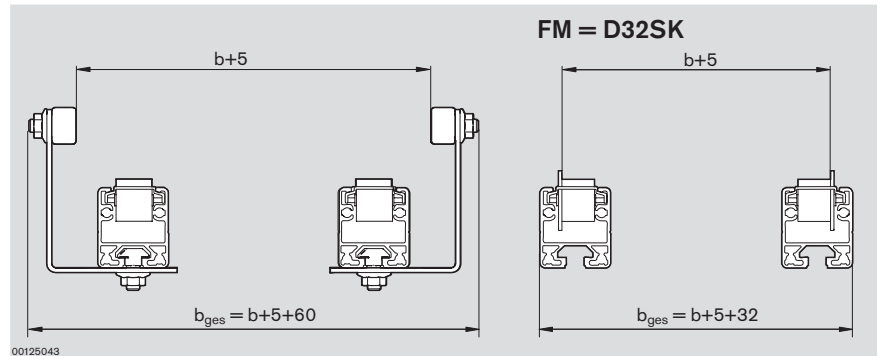
Conveyor tracks with and
 without lateral guides

Conveyor tracks XLean

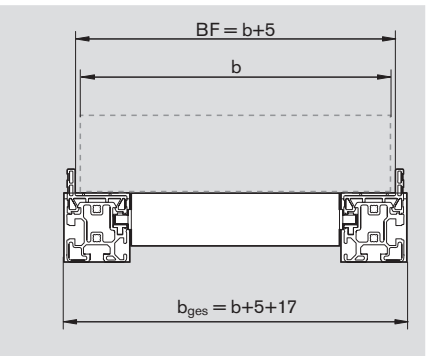
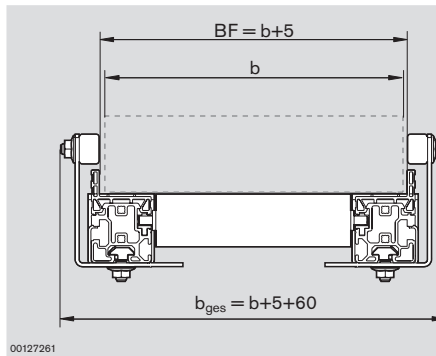
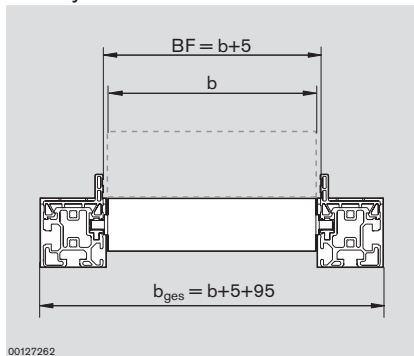


Technical data

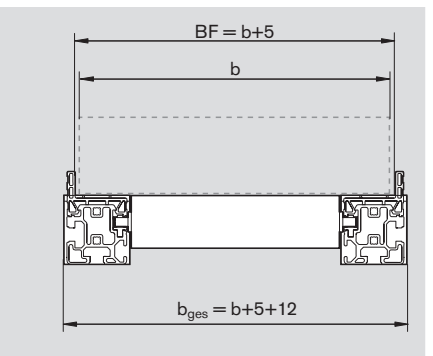
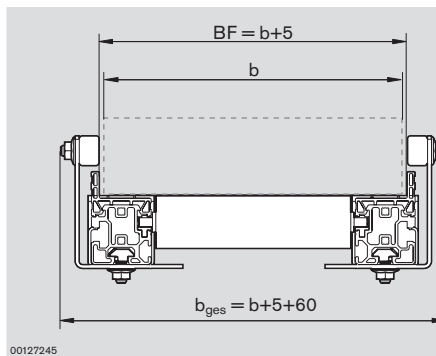
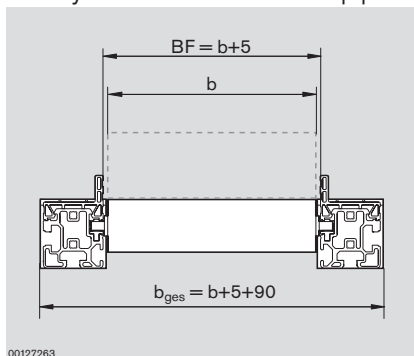
Conveyor track Lean
 For conveyor track with lateral guide, FM
 = D32, GS, RE, RE45
 $b_{ges} = b + 5 + 60$



Conveyor track EcoFlow with rail holder

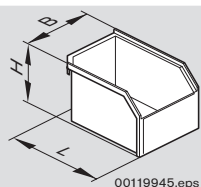


Conveyor track EcoFlow with stop plate



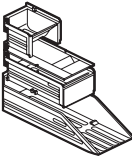



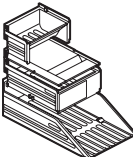



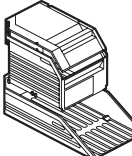



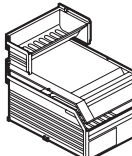



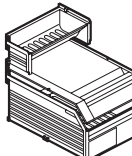


Plastic grab containers

(👉📄 3-68, 👉📄 3-69, 👉📄 3-70)

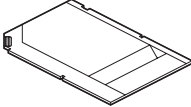
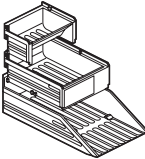
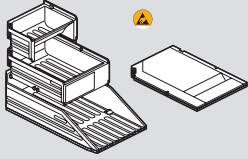


Static load limit

00119945.eps

		Container mount		Suspension profile		
	B x H x L [mm]	[cm³]	Material no.	[kg]	[kg]	
	GB-S08	82 x 50 x 86	150	3 842 344 764	11	17
				 3 842 346 294	6	10
	GB-A0805	77 x 13 x 173	–	3 842 344 756	–	–
				 3 842 346 286	–	–
	GB-0805	82 x 50 x 173	370	3 842 344 750	10	26
				 3 842 346 280	6	15
	GB-Z08	90 x 54 x 277	690	3 842 344 760	10	30
				 3 842 346 290	6	18
	GB-S12	123 x 50 x 86	240	3 842 344 765	11	19
				 3 842 346 295	6	11
	GB-A1205	117 x 13 x 173	–	3 842 344 757	–	–
				 3 842 346 287	–	–
	GB-1205	123 x 50 x 173	600	3 842 344 751	10	26
				 3 842 346 281	6	15
	GB-Z12	131 x 54 x 277	1050	3 842 344 761	6	23
				 3 842 346 291	3	13
	GB-A1210	117 x 32 x 173	–	3 842 344 758	–	–
				 3 842 346 288	–	–
	GB-1210	123 x 100 x 173	1370	3 842 344 752	10	26
				 3 842 346 282	6	15
	GB-Z12	131 x 54 x 277	1050	3 842 344 761	6	23
				 3 842 346 291	3	13
	GB-S17	173 x 50 x 86	360	3 842 344 766	11	21
				 3 842 346 296	6	12
	GB-A1710	167 x 32 x 245	–	3 842 344 759	–	–
				 3 842 346 289	–	–
	GB-1710	173 x 100 x 245	3050	3 842 344 753	13	30
				 3 842 346 283	8	18

Technical data

			
Material	PC	ABS	ABS-CF ABS-GF7
Surface resistivity	10 ¹⁵ Ω/sq	10 ¹⁴ Ω/sq	10 ⁴ – 10 ⁶ Ω/sq
Specific volume resistance	10 ¹⁶ Ωcm	10 ¹⁴ Ωcm	10 ⁴ – 10 ⁶ Ωcm
Min./max. ambient temperature	-40 °C – 115 °C	-40 °C – 70 °C	-40 °C – 70 °C
Resistant to	Diluted acidic and caustic materials, alcohol (except for methanol), grease, oils, glycol, water	Weak acidic and caustic materials, alcohols, grease, oils, water	Weak acidic and caustic materials, alcohols, grease, oils, water

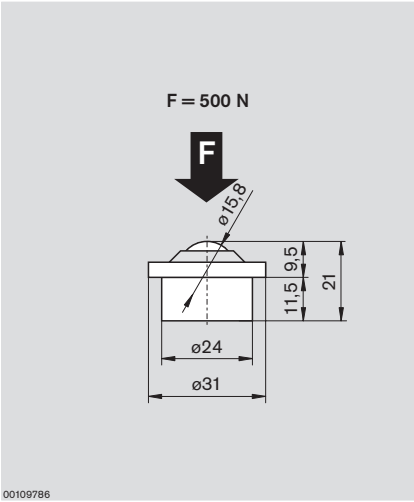
Technical data

Manual links (EcoFlow)

EcoFlow products

EcoFlow ball roller

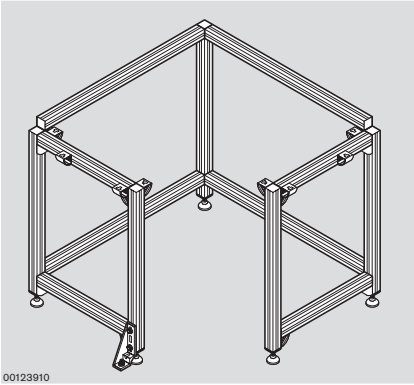
3 842 525 748 (🔗 4-17)



F_{max} [N]	500
---------------	-----

Frames for corner table tops

- 3 842 992 426 (🔗 4-16)
- 3 842 352 061 (🔗 4-16)
- 3 842 523 442 (🔗 4-16)
- 3 842 502 674 (🔗 4-16)
- 3 842 992 425 (🔗 4-16)
- 3 842 521 677 (🔗 4-16)
- 3 842 535 571 (🔗 4-16)
- 3 842 523 561 (🔗 4-16)



F_{max} [N]	1000	1500

	Lumped load
	Surface load

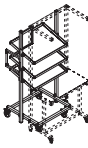
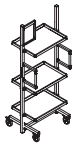
Technical data

Material shuttles

Custom material shuttles

Max. total weight =
material shuttle weight + load

3 842 998 231 (📄 5-7)
3 842 998 230 (📄 5-9)

	Max. total weight Workstation material shuttle	Max. total weight Material shuttle Logistics
		
ESD = 0	300 kg	300 kg
ESD = 1	380 kg	380 kg

Max. material shelf loads

	T _E (mm)	1220	1220	840	765	1000	1000	840	765
	B _E (mm)	1480	840	1480	840	1000	840	1000	840
M = 1	F _E (N)	700	700	700	1000				
M = 2, 3	F _E (N)					250	280	280	360

F_E is a surface load and may not occur as a lumped load.

M = 1	Alu
M = 2	PP
M = 3	ESD (SB)

Technical data

Standard material shuttles

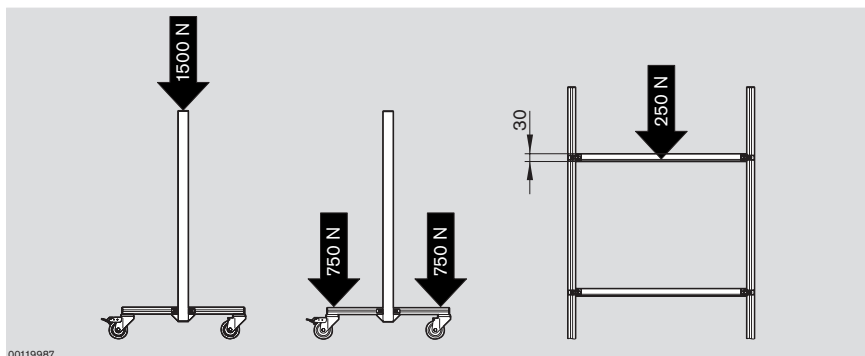
Material shuttles Economic

3 842 515 481 (🔗 5-10)

3 842 518 120 (🔗 5-10)

3 842 515 482 (🔗 5-10)

3 842 518 121 (🔗 5-10)



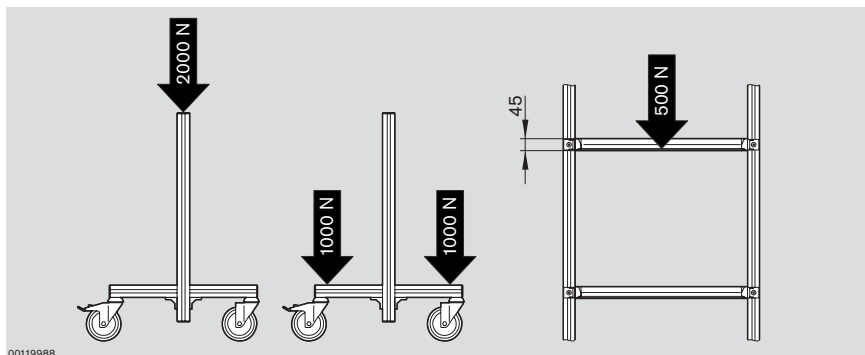
Material shuttles Basic

3 842 515 483 (🔗 5-11)

3 842 515 484 (🔗 5-11)

3 842 508 181 (🔗 5-11)

3 842 508 182 (🔗 5-11)

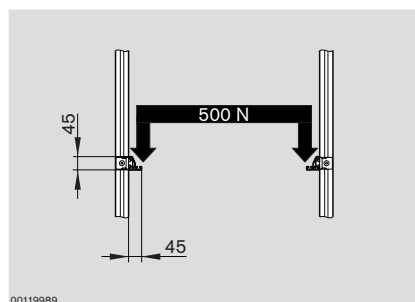


Material shuttles with angle profiles

3 842 505 360 (🔗 5-13)

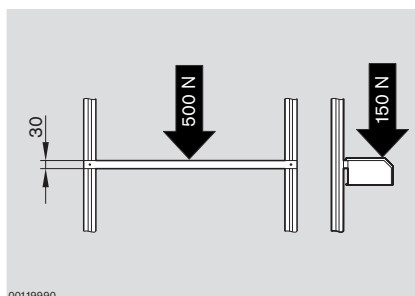
3 842 992 412 (🔗 5-13)

3 842 508 104 (🔗 5-13)



Material shuttles with suspension profiles

3 842 998 215 (🔗 5-13)



Material number overview

Material number overview



 7-2

Material number overview

Material number overview

0 842 901 309	2-69	3 842 502 674	3-74, 4-16, 6-18	3 842 516 701	2-78, 6-7
0 842 901 312	2-52	3 842 502 684	3-74	3 842 516 704	2-80
1 845 410 015	2-55	3 842 505 144	3-74	3 842 516 712	2-42
1 845 719 000	2-83	3 842 505 360	5-13, 6-20	3 842 516 713	2-42
3 842 000 058	2-55	3 842 507 260	5-13	3 842 516 813	2-59
3 842 028 620	2-77	3 842 507 262	5-13	3 842 516 837	2-30
3 842 028 621	2-77	3 842 508 102	2-29, 6-10	3 842 516 838	2-30
3 842 134 840	3-80	3 842 508 104	5-13, 6-10, 6-20	3 842 516 905	2-86
3 842 144 020	3-80	3 842 508 116	5-13	3 842 516 908	2-86
3 842 144 080	3-80	3 842 508 181	5-11, 6-20	3 842 517 043	2-51
3 842 191 178	2-80	3 842 508 182	5-11, 6-20	3 842 517 044	2-51
3 842 191 180	2-21, 6-4	3 842 509 070	2-46	3 842 517 047	2-50
3 842 191 186	2-80	3 842 512 596	2-79	3 842 517 049	2-50
3 842 218 953	2-69	3 842 512 990	2-20, 6-2	3 842 517 051	2-50
3 842 319 500	3-55	3 842 512 992	2-20	3 842 517 055	2-51
3 842 319 501	3-55	3 842 513 490	2-79	3 842 517 163	2-58
3 842 338 990	2-31	3 842 513 491	2-78, 6-7	3 842 517 164	2-58
3 842 344 750	3-69, 6-16	3 842 513 492	2-78, 6-7	3 842 517 399	3-73
3 842 344 751	3-69, 6-16	3 842 513 493	2-79, 6-7	3 842 517 400	3-73
3 842 344 752	3-69, 6-16	3 842 513 494	2-79, 6-7	3 842 517 401	3-73
3 842 344 753	3-69, 6-16	3 842 513 495	2-79	3 842 517 402	3-72
3 842 344 756	3-69, 6-16	3 842 513 496	2-79	3 842 517 403	3-72
3 842 344 757	3-69, 6-16	3 842 513 497	2-79	3 842 517 404	3-72
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3 842 344 759	3-69, 6-16		4-10, 6-10	3 842 518 120	5-10, 6-20
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3 842 344 764	3-68, 6-16	3 842 514 522	2-72	3 842 518 160	3-78
3 842 344 765	3-68, 6-16	3 842 514 523	2-72	3 842 518 161	3-80
3 842 344 766	3-68, 6-16	3 842 514 524	2-72	3 842 518 580	2-49, 2-50
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3 842 346 289	3-69, 6-16	3 842 515 484	5-11, 6-20	3 842 520 054	2-11, 2-68, 2-70
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3 842 352 061	4-16, 6-18	3 842 515 773	2-63	3 842 521 458	3-79
3 842 352 088	2-52	3 842 515 774	2-63	3 842 521 459	3-79
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3 842 502 153	2-57	3 842 516 405	2-64	3 842 521 510	2-69
3 842 502 154	2-56	3 842 516 406	2-62	3 842 521 513	2-69
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Material number overview

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3 842 521 970	2-84	3 842 527 164	2-99	3 842 535 491	2-23
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3 842 522 130	2-85	3 842 527 207	2-50	3 842 535 637	2-29
3 842 522 305	2-85	3 842 530 283	2-82, 2-83	3 842 535 661	2-28
3 842 522 565	2-48	3 842 530 285	2-77, 2-82, 2-86	3 842 535 667	4-9
3 842 522 567	2-48	3 842 530 287	2-31	3 842 535 668	4-9
3 842 522 569	2-48	3 842 530 304	3-71	3 842 535 683	4-8
3 842 522 571	2-48	3 842 530 306	2-83	3 842 535 835	3-40
3 842 522 573	2-48	3 842 532 752	3-53	3 842 535 933	2-93, 2-96
3 842 522 575	2-48	3 842 532 862	3-54	3 842 536 002	3-40
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3 842 526 627	3-66	3 842 535 364	3-57, 3-62	3 842 537 022	3-49
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3 842 526 665	3-65	3 842 535 472	2-23	3 842 537 072	2-33
3 842 526 671	3-66	3 842 535 473	2-23	3 842 537 073	2-33
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3 842 527 159	2-93, 2-97	3 842 535 483	2-23	3 842 537 116	2-27

Material number overview

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3 842 537 247	2-23, 4-15	3 842 537 687	3-47	3 842 538 108	3-42
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3 842 537 252	2-19	3 842 537 740	3-60, 4-12	3 842 538 314	2-82
3 842 537 253	2-19	3 842 537 776	3-47	3 842 538 336	3-44
3 842 537 254	2-19	3 842 537 777	3-47	3 842 538 337	3-44
3 842 537 255	2-19	3 842 537 778	3-47	3 842 538 372	3-47
3 842 537 256	2-19	3 842 537 779	3-47	3 842 538 409	2-36, 6-4
3 842 537 257	2-19	3 842 537 803	3-55	3 842 538 456	2-25, 5-10
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3 842 537 259	2-19	3 842 537 807	3-55	3 842 538 458	2-25, 5-10
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3 842 537 347	2-42	3 842 537 898	4-21	3 842 538 574	2-16, 6-2
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3 842 537 351	2-42	3 842 537 900	4-21	3 842 538 576	2-16, 6-2
3 842 537 358	2-59	3 842 537 901	4-21	3 842 538 577	2-16, 6-2
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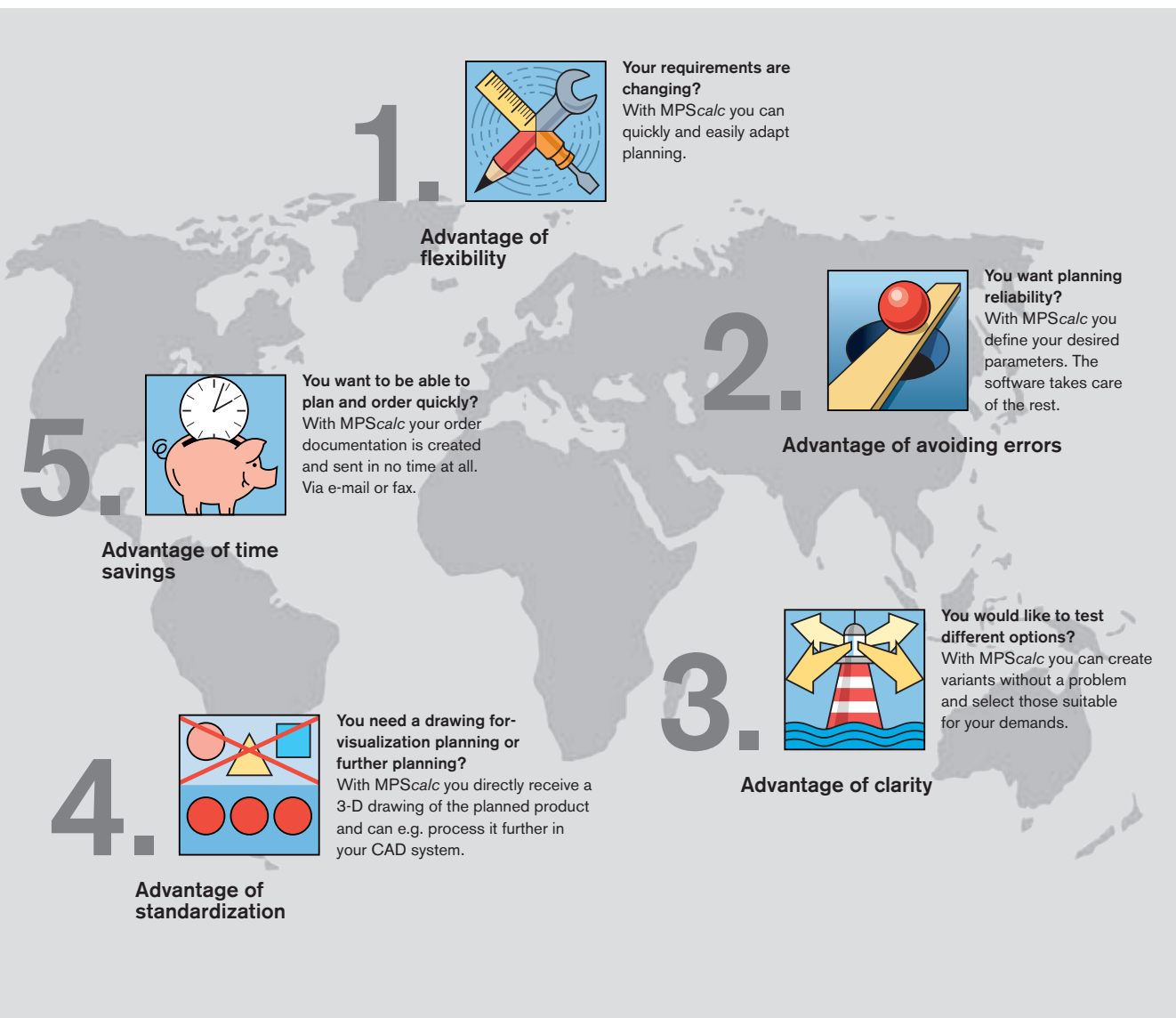
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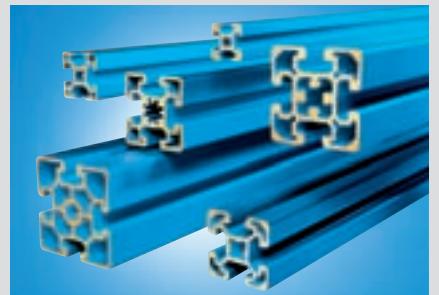
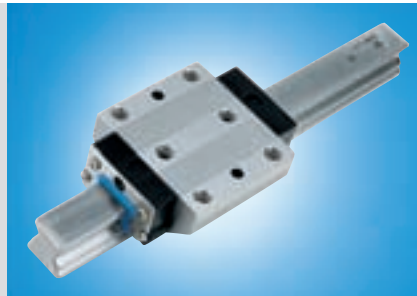
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Postfach 30 02 07
70442 Stuttgart, Germany
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www.boschrexroth.com/brl

Australia

Bosch Rexroth Pty. Ltd.
3 Valediction Road
Kings Park, NSW 2148, Sydney
Tel. +61 2 9831 7788
Fax +61 2 9831 5553

Great Britain

Bosch Rexroth Limited
Cromwell Road
St. Neots, Huntingdon
Cambs. PE19 2ES
Tel. +44 1480 223 298
Fax +44 1480 470 789

Canada

Bosch Rexroth Canada Corp.
3426 Mainway Drive
Burlington, Ontario L7M 1A8
Tel. +1 905 335-5511
Fax +1 905 335-4184

USA

Bosch Rexroth Corporation
816 E. Third Street
Buchanan, MI 49107
Tel. +1 800 REXROTH
+1 800 739 7684
Fax +1 269 695 5363

Singapore

Bosch Rexroth Pte. Ltd.
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