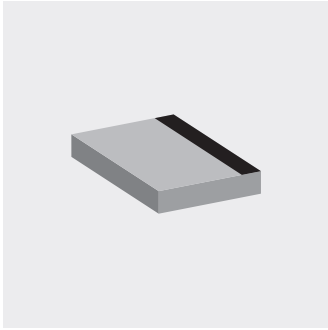


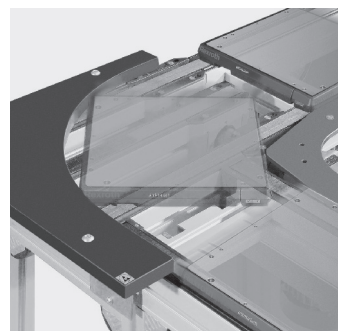
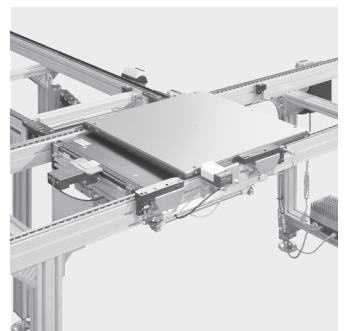


Workpiece pallets

2

Workpiece pallet selection

2-2



Workpiece pallet selection

The workpiece pallet (WT) is used in the transfer system to convey the workpiece through the processing stations.

To guarantee an optimal transport, it should be loaded in the center.

Workpiece pallet applications

- ▶ Integrated positioning bushings enable defined positioning of the incoming workpiece in the processing station
- ▶ Optionally available data tags can provide work-related information during processing. This information can be evaluated on-site and also updated

Various WT workpiece pallets are available:

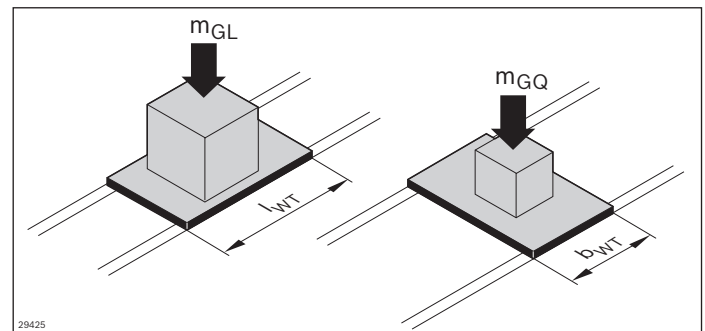
- ▶ The WT 2/E is an especially inexpensive, light-weight workpiece pallet with an all-plastic design that can be used for simple conveying and positioning tasks (see p. 2-6)
- ▶ The WT 2 is a sturdy and universally applicable workpiece pallet with a steel or aluminum carrying plate (see p. 2-8)
- ▶ The WT-2 components enable individual configuration of the WT using various frame modules and carrying plates, including those provided by the customer (see p 2-12)
Total weight of workpiece pallets up to 100 kg
- ▶ The WT 2/H with aluminum carrying plate for applications with total weights up to 240 kg (see p 2-34)
- ▶ WT 2/F with an aluminum frame profile design can be used for large workpieces. Grooves throughout the frame profile make it easier to install parts holders (see p. 2-47). Total weight of workpiece pallets up to 100 kg
- ▶ WT 2/F-H with the same aluminum carrying plate, but in the heavy duty version up to 240 kg (see p 2-50)

Size, combination with conveyor medium

The permitted total weight m_a of a workpiece pallet results from the

- ▶ combination of conveyor medium, glide profiles, and workpiece pallet wear pad as well as
- ▶ the surface length on the conveyor medium (see p. 1-10)

The surface length on the conveyor medium may vary in longitudinal and transverse conveying with non-square pallets. The shorter side of the workpiece pallet determines the maximum permitted total weight.



The following estimated parameters can be used:

- ▶ **Conveyor media belt and toothed belt:** A surface load of up to 1 kg/cm is permissible on workpiece pallets with PA wear pads.
- ▶ **Conveyor medium flat top chain:** PA wear pads on the workpiece pallets are recommended in the combination with a plastic flat top chain. This permits surface loads of up to 1 kg/cm in the standard design with plastic glide profiles in the section profile. Bearing loads of 1.5 kg/cm are possible with the optionally available version with steel glide profiles.
- ▶ **Conveyor medium accumulation roller chain:** In conjunction with PE wear pads on the workpiece pallets, the standard design with plastic glide profiles in the section profile permits surface loads of up to 1.5 kg/cm. The optionally available version with steel glide profiles and the accumulation roller chain with steel rollers can tolerate surface loads of 2 kg/cm

When WT 2/E, WT 2 and WT 2/F workpiece pallets are used, the VE 2/... stop gates are mounted directly on the section for lateral separation.

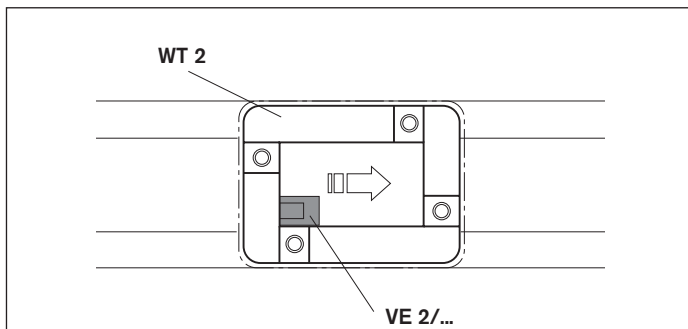
The WT 2/E, WT 2 and WT 2/F are used up to 100 kg.

When WT 2/H and WT 2/F-H are used, the VE 2/D...-H stop gates are mounted by a cross strut for central separation. WT 2/H or WT 2/F-H are used for heavy duty versions up to workpiece pallet total weights of 240 kg.

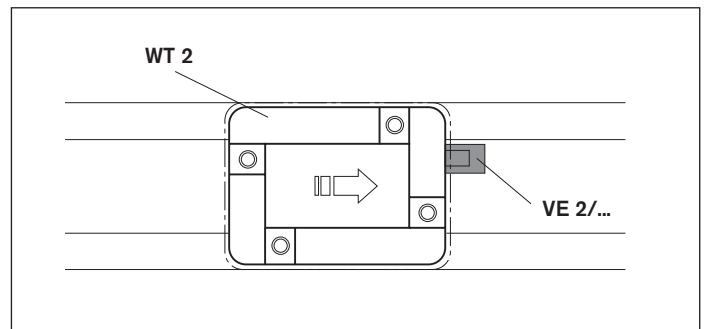
All VE 2/... (without VE 2/...-H) can be used for lateral separation.

All VE 2/D...-H can be used for central separation.

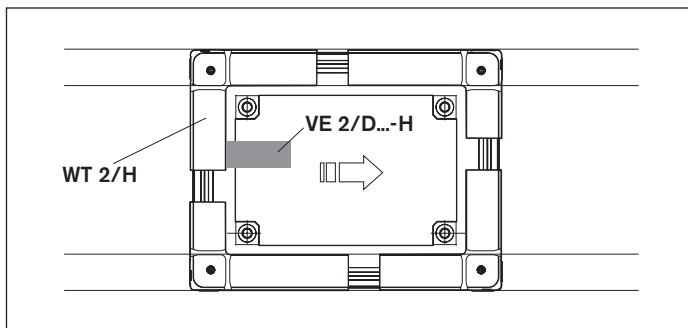
Mounting in rear right position in the direction of transport, on the **inside** of the workpiece pallet surface



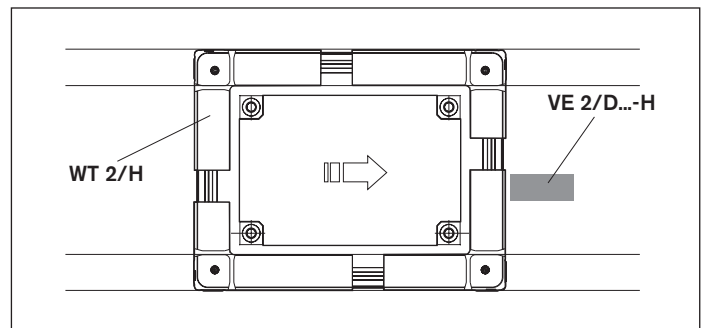
Mounting in front left position in the direction of transport, on the **outside** of the workpiece pallet surface



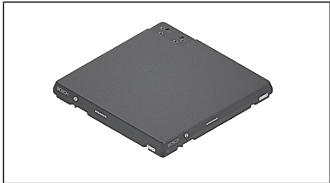
Mounting inside the workpiece pallet surface



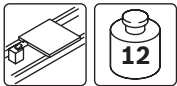
Mounting outside the workpiece pallet surface



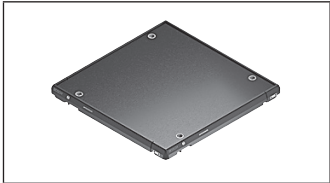
The size and position of the positioning bushings is different for the workpiece pallets for lateral separation compared to the types for central separation. This must be considered when selecting the positioning units. For more information, see also the table on p. 1-11



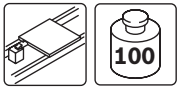
WT 2/E workpiece pallet



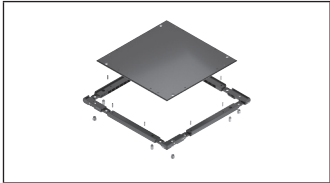
2-6



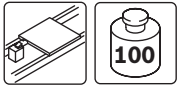
WT 2 workpiece pallet



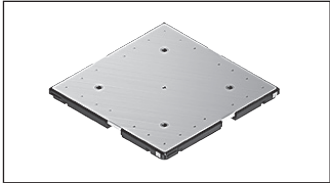
2-8



Components for WT 2 workpiece pallets



2-12



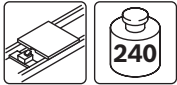
WT 2/H workpiece pallets



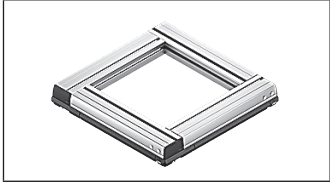
2-34



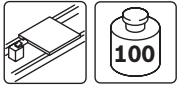
Components for WT 2/H workpiece pallets



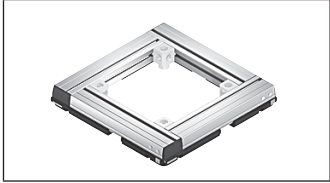
2-40



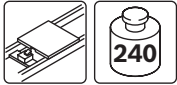
WT 2/F workpiece pallets



2-47

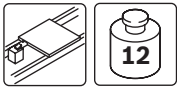


WT 2/F-H workpiece pallet



2-50

WT 2/E workpiece pallet



- ▶ Integrated positioning bushings for a positioning accuracy of ± 0.3 mm
- ▶ Prepared for the installation of mobile data tags from the ID 10, ID 40 and ID 200 identification systems
- ▶ Not suitable for accumulation roller chains
- ▶ A standard size with the dimensions $b_{WT} \times l_{WT} = 240 \times 240$ mm
- ▶ Material: All-plastic polyamide version (PA 6)

WT 2/E is a cost-effective workpiece pallet with an all-plastic design, suitable for applications with low loads from

above and on the joints of up to 0.5 kg/cm.

Accessories

Recommended accessories

- ▶ ID 40 attachment kit 3842532630 (see RFID systems catalog)

Delivery notes

Scope of delivery

- ▶ Workpiece pallet, complete

Condition on delivery

- ▶ Fully assembled

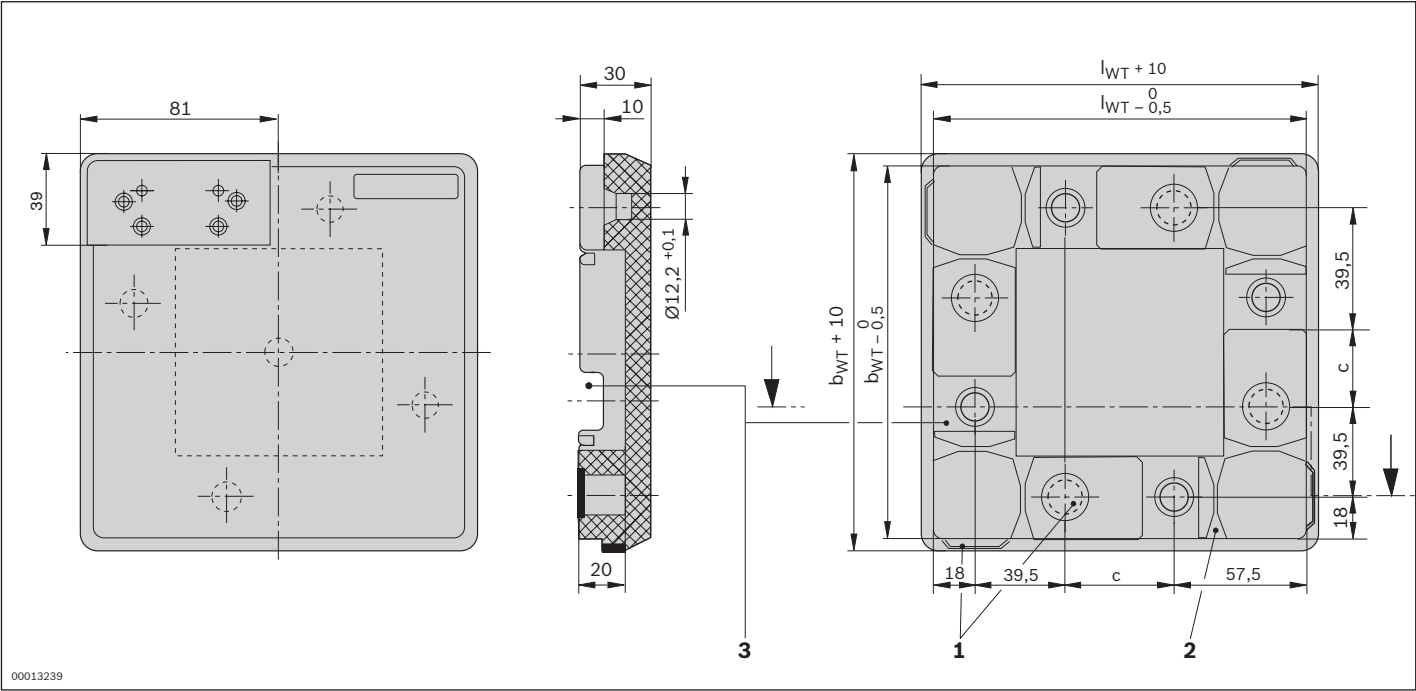
Ordering information

Product designation	Material number
WT 2/E workpiece pallet	3842352171

Technical data

Material number			3842352171
Features			
Plate thickness	d _{PI}	mm	10
Flatness		mm	1
Workpiece pallet mass	m _{WT}	kg	1.6

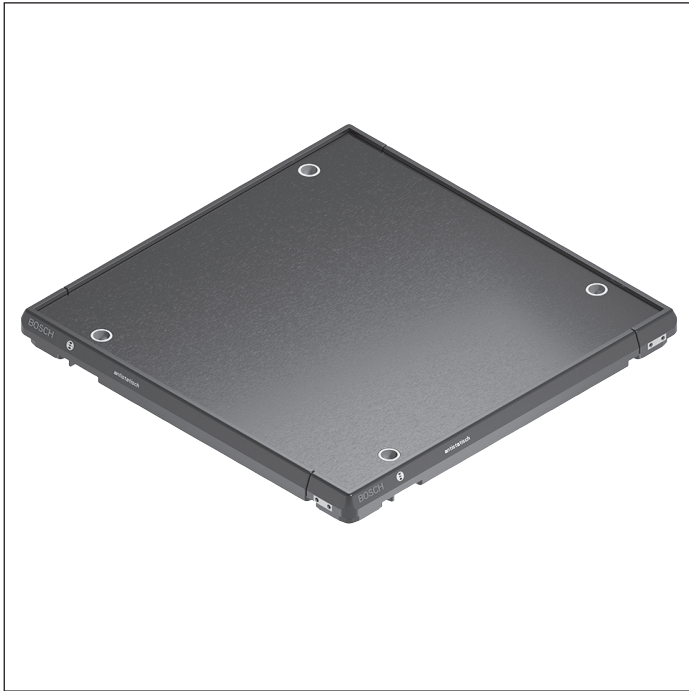
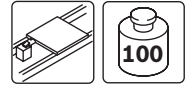
Dimensions



No production drawing
1 Exciter plate
2 Guide groove
3 Stop gate aperture

Width of workpiece pallet b_{WT} (mm)	Length of workpiece pallet l_{WT} (mm)	Workpiece pallet mass m_{WT} (kg)	Dimension c (mm)
240	240	1.6	125

WT 2 workpiece pallet, fully assembled



- ▶ Suitable for belt, toothed belt, and flat top chain
- ▶ Robust workpiece pallet with high rigidity
- ▶ Integrated positioning bushings
- ▶ Prepared for installation of mobile data tags from the ID 15, ID 40 and ID 200 identification systems
- ▶ Not suitable for accumulation roller chains
- ▶ Plastic frame modules with universal steel carrying plate
- ▶ 15 standard sizes
- ▶ Suitable for use in an EPA
- ▶ Material:
 - Frame module with polyamide (PA) wear pad
 - Steel carrying plate (4.8 mm)

WT 2 is a sturdy workpiece pallet with high rigidity in a composite plastic-steel construction used to pick up and convey workpieces in the TS 2plus transfer system. From size 400 x 400 mm, the workpiece pallet plates are

executed as standard with two or four additional threaded holes for reinforcing bolts. Number given in carrying plate table on page 2-27.

Delivery notes

Scope of delivery

- ▶ Carrying plate
- ▶ Frame modules
- ▶ Connection elements
- ▶ Positioning bushings

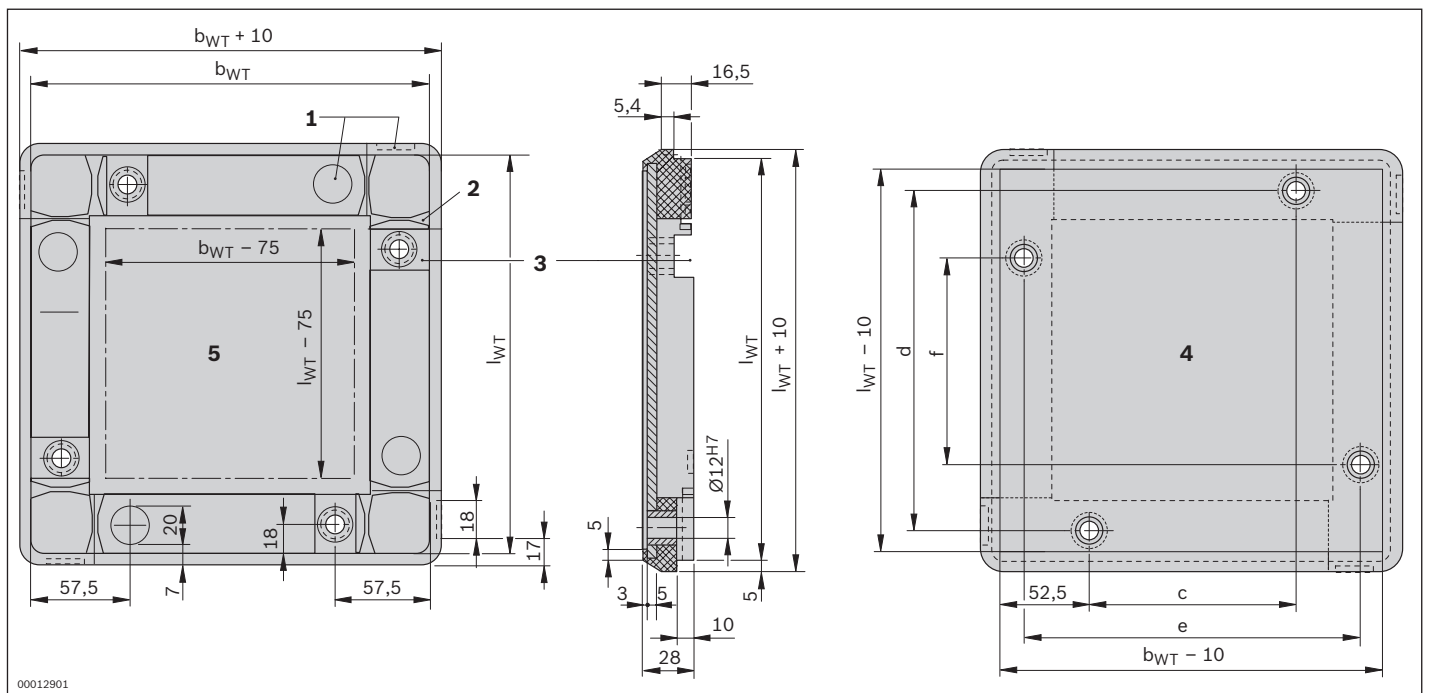
Condition on delivery

- ▶ Fully assembled

Ordering information

Product designation	Workpiece pallet $b_{WT} \times l_{WT}$	Material number
WT 2 workpiece pallet	160 x 160	0842090030
WT 2 workpiece pallet	160 x 240	0842090032
WT 2 workpiece pallet	160 x 320	0842090034
WT 2 workpiece pallet	240 x 240	0842090039
WT 2 workpiece pallet	240 x 320	0842090041
WT 2 workpiece pallet	240 x 400	0842090043
WT 2 workpiece pallet	320 x 320	0842090048
WT 2 workpiece pallet	320 x 400	0842090050
WT 2 workpiece pallet	320 x 480	0842090051
WT 2 workpiece pallet	400 x 400	0842090080
WT 2 workpiece pallet	400 x 480	0842090081
WT 2 workpiece pallet	400 x 640	0842090083
WT 2 workpiece pallet	480 x 480	0842090086
WT 2 workpiece pallet	480 x 640	0842090088
WT 2 workpiece pallet	640 x 640	3842523405

Dimensions

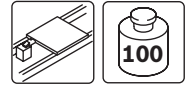


No production drawing

- 1 Exciter plate
- 2 Guide groove
- 3 Stop gate aperture
- 4 Top clearance
- 5 Bottom clearance

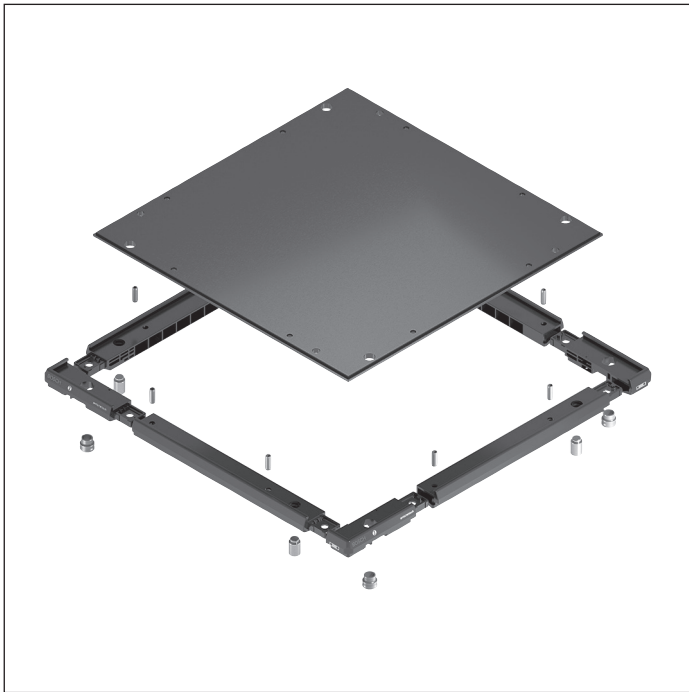
2-10 **TS 2plus 7.0** | Workpiece pallets
 WT 2 workpiece pallet, fully assembled

Width of workpiece pallet b_{WT} (mm)	Length of workpiece pallet l_{WT} (mm)	Plate thickness d_{PI} (mm)	Flatness  (mm)	Plate mass m_{PI} (kg)	Workpiece pallet mass m_{WT} (kg)	Dimension c (mm)	Dimension d (mm)	Dimension e (mm)	Dimension f (mm)
160	160	4.8	0.3	0.9	1.2	45	124	124	45
160	240	4.8	0.3	1.3	1.8	45	204	124	125
160	320	4.8	0.3	1.8	2.3	45	284	124	205
240	240	4.8	0.3	2.0	2.5	125	204	204	125
240	320	4.8	0.5	2.7	3.3	125	284	204	205
240	400	4.8	0.5	3.4	4.1	125	364	204	285
320	320	4.8	0.5	3.6	4.4	205	284	284	205
320	400	4.8	0.6	4.6	5.4	205	364	284	285
320	480	4.8	0.6	5.5	6.4	205	444	284	365
400	400	4.8	0.6	5.9	6.6	285	364	364	285
400	480	4.8	0.6	7.0	8.0	285	444	364	365
400	640	4.8	0.8	9.3	11.0	285	604	364	525
480	480	4.8	0.8	8.3	9.7	365	444	444	365
480	640	4.8	1.0	11.4	12.4	365	604	444	525
640	640	4.8	1.0	15.3	16.3	525	604	604	525



Components for WT 2 workpiece pallets

To fulfill special needs, the workpiece pallets can also be individually configured in a design where the carrying plate is assembled by the customer. In addition to frame modules with different wear pads, various carrying plates, positioning bushings and all the necessary fastening elements are available.



Carrying plates

- ▶ Steel carrying plates with a thickness of 4.8 mm for workpiece pallets up to medium size. High stability allows for easy integration of your own workpiece supports.
- ▶ Aluminum carrying plates with a thickness of 8 mm or 12.7 mm are a light and rigid alternative for medium and large workpiece pallets.

Positioning bushings

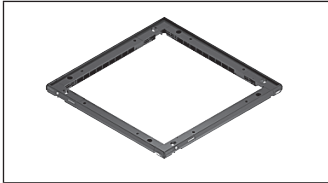
- ▶ For defined pick-up of the workpiece pallet in the positioning units.

Accessories

- ▶ Dowel pins to connect the extension modules to the carrying plate.
- ▶ Bolts in combination with reinforced frame modules for large workpiece pallets (from 400 x 400 mm) and weights over 50 kg to max. 100 kg.

Frame modules

- ▶ PA frame modules are the basic solution for use on belts, toothed belts, and plastic flat top chains.
- ▶ PA wear pads are required for use on conveyor medium accumulation roller chains and duplex chains.
- ▶ Reinforced (PA or PE) for workpiece pallet total weights > 50 kg and conveyor speeds > 12 m/min.



Frame modules, standard/reinforced



2-47



Positioning bushings

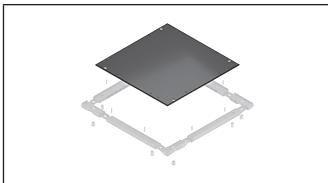


2-22



Bolts

2-25

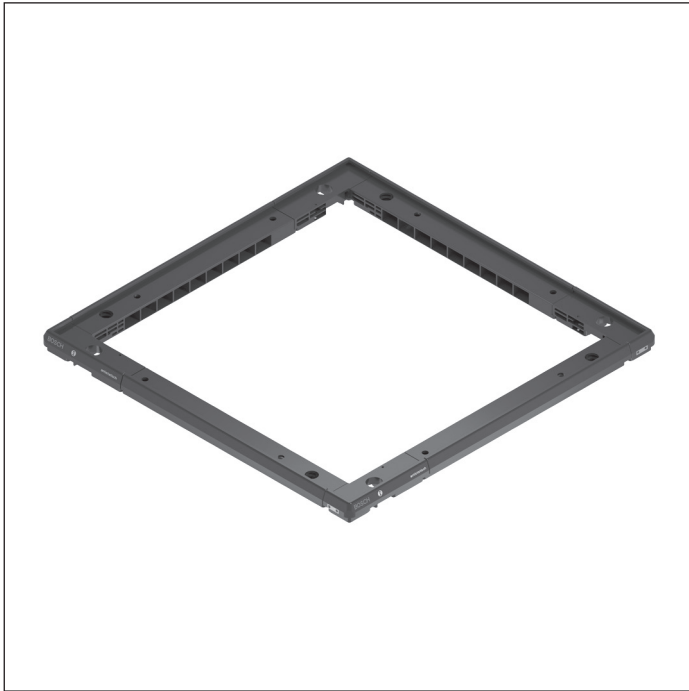


Carrying plates



2-26

Standard frame module

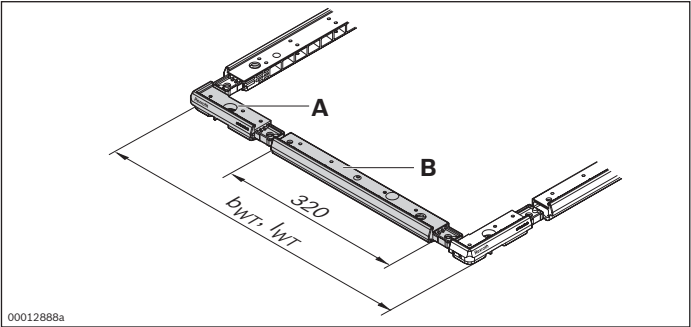


- ▶ Corner modules with standard side lengths of 160 to 400 mm
- ▶ Frame extension module, 320 mm
- ▶ Material:
 - Corner/extension module (PA) with PA (= polyamide) wear pad
 - or
 - Corner/extension module (PA) with PE (= polyethylene) wear pad
- ▶ Reinforced frame modules are required for total weights $m_G > 50$ kg and for conveyor speeds $v_N > 12$ m/min
- ▶ Can be combined with WT 2 carrying plates

Frame modules are used for self-assembly of workpiece pallets. The PA basic solution is suitable for use on the belt/toothed belt and flat top chain conveyor media.

Frame modules with PE wear pads are required for use on the duplex chain and accumulation roller chain conveyor media. The PE pad is not suitable for accumulation operation on ESD flat top chains.

Ordering information



A Corner module
B Extension module

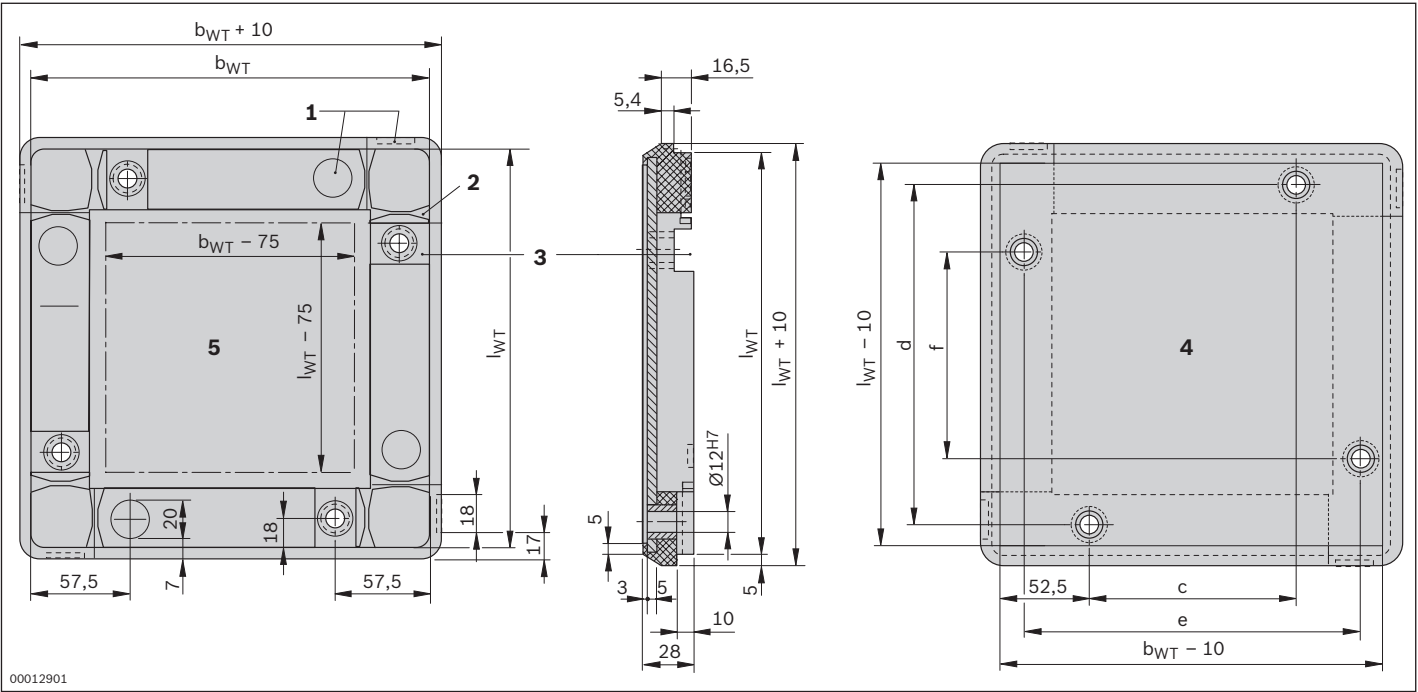
2

Product designation	b_{WT} , l_{WT} (mm)	Material number
Standard frame module, corner module (PA)	160	3842174301
Standard frame module, corner module (PA)	240	3842174302
Standard frame module, corner module (PA)	320	3842174303
Standard frame module, corner module (PA)	400	3842174304
Standard frame module, corner module (PA+PE) ¹	160	3842526760
Standard frame module, corner module (PA+PE)	240	3842526761
Standard frame module, corner module (PA+PE)	320	3842526762
Standard frame module, corner module (PA+PE)	400	3842526763

¹ No exciter plate for position sensing from below with inductive sensors is included. Only lateral position sensing is possible with this design.

Product designation	l (mm)	Material number
Standard frame module, extension module (PA)	320	3842513458
Standard frame module, extension module (PA+PE)	320	3842526764

Dimensions



- 1 Exciter plate
2 Guide groove
3 Stop gate aperture
- 4 Top clearance
5 Bottom clearance

2-16 **TS 2plus 7.0** | Workpiece pallets
Standard frame module

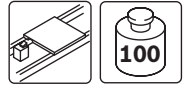
Width of workpiece pallet b_{WT} (mm)	Length of workpiece pallet l_{WT} (mm)	Plate mass m_{PI}^1 (kg)	Plate mass m_{PI}^2 (kg)	Plate mass m_{PI}^3 (kg)	Dimension c (mm)	Dimension d (mm)	Dimension e (mm)	Dimension f (mm)
160	160	0.9			45	124	124	45
160	240	1.4			45	204	124	125
240	240	2.1			125	204	204	125
160	320	1.8			45	284	124	205
240	320	2.8			125	284	204	205
320	320	4.3	2.1		205	284	284	205
240	400	4.1	2.0		125	364	204	285
320	400	5.3	3.7		205	364	284	285
400	400	6.6	3.4	5.3	285	364	364	285
320	480	6.4	3.2	5.1	205	444	284	365
400	480	7.0	4.0	6.4	285	444	364	365
480	480	9.3	4.9	7.7	365	444	444	365
400	640	10.4	5.4	8.6	285	604	364	525
480	640	12.3	6.5	10.3	365	604	444	525
640	640	16.3	8.7	13.8	525	604	604	525
400	800			10.8	285	764	364	685
480	800			12.9	365	764	444	685
640	800			17.3	525	764	604	685
800	800			21.7	685	764	764	685
640	1040			22.5	525	1004	604	925
800	1040			28.2	685	1004	764	925
800	1200			36.0	685	1164	764	1085
1040	1040			40.6	925	1004	1004	925
1040	1200			46.9	925	1164	1004	1085
1200	1200			54.1	1085	1164	1164	1085

¹ 4.8 mm steel

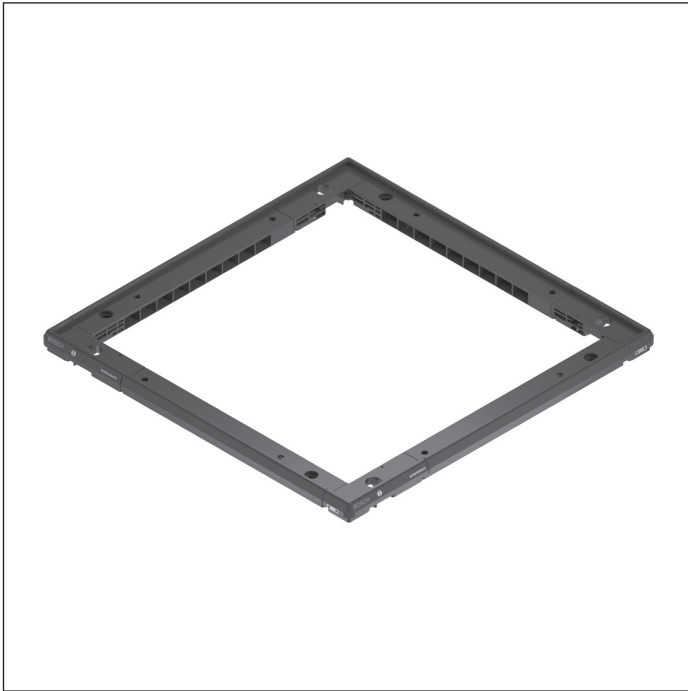
² 8.0 mm aluminum

³ 12.7 mm aluminum

Reinforced frame module



2



- ▶ For self-assembly of workpiece pallets from 400 x 400 mm. Required for workpiece pallet total weights $m_G > 50$ kg and for conveyor speeds $v_N > 12$ m/min
- ▶ Corner module, 400 mm
- ▶ Frame extension module, 320 mm
- ▶ Wide variety of workpiece pallet sizes possible through combinations of standard modules
- ▶ Material:
 - Corner/extension module (PA) with PA (= polyamide) wear pad
 - or
 - Corner/extension module (PA) with PE (= polyethylene) wear pad
- ▶ Can be combined with WT 2 carrying plates

Reinforced frame modules are used for self-assembly of workpiece pallets with dimensions from 400 x 400 mm. Required for workpiece pallet total weights > 50 kg or for conveyor speeds $v_N > 12$ m/min.

The PA basic solution for use on conveyor media belts/

toothed belts is suitable for use on the belt/toothed belt and plastic flat top chain conveyor media.

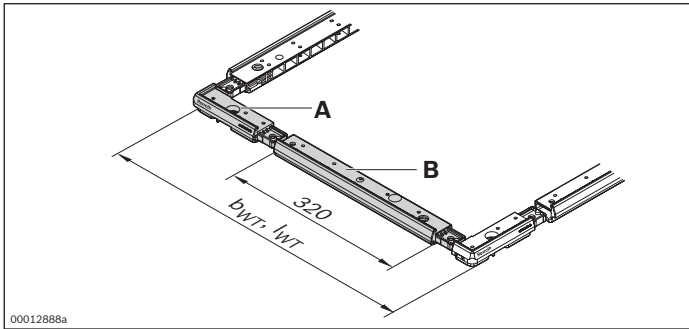
Frame modules with PE wear pads are required for use on the duplex chain and accumulation roller chain conveyor media.

Accessories

Required accessories

- ▶ Bolt, see p. 2-25

Ordering information

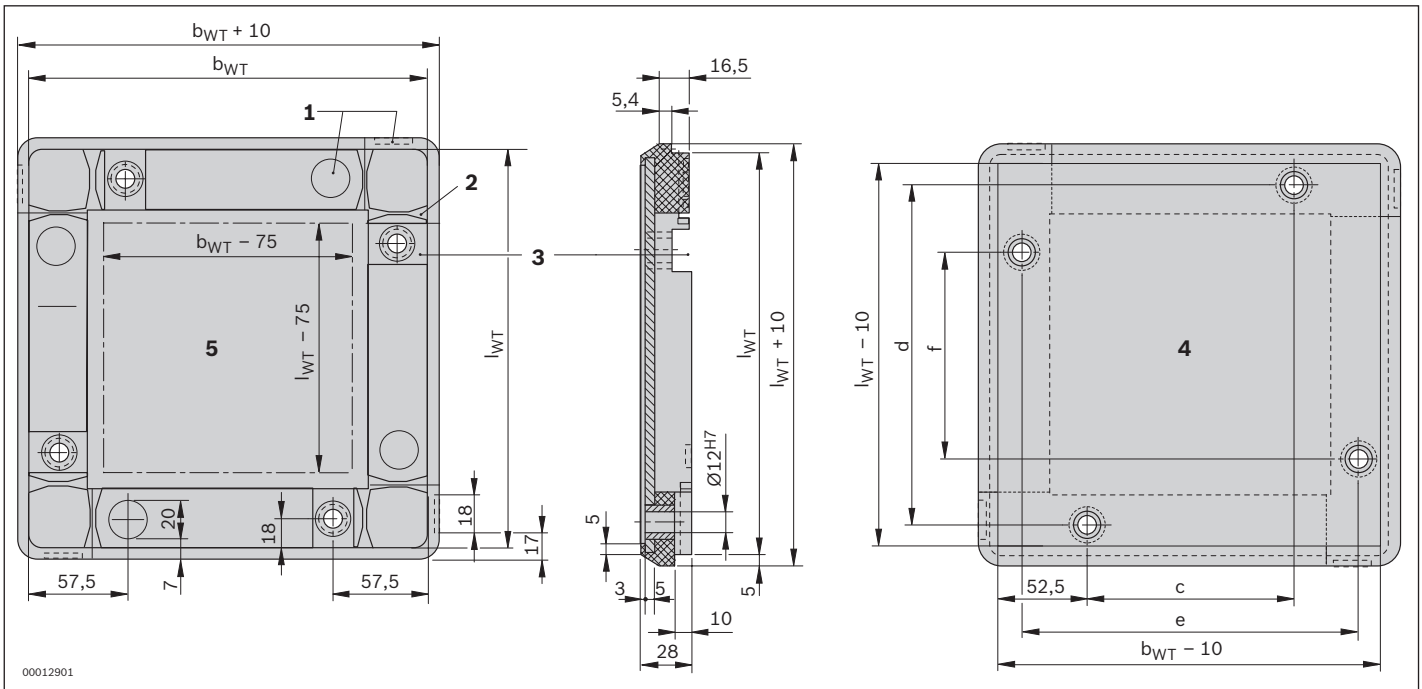


A Corner module
B Extension module

Product designation	b _{WT} , l _{WT} (mm)	Material number
Reinforced frame module, corner module (PA)	400	3842525998
Reinforced frame module, corner module (PA+PE)	400	3842528292

Product designation	l (mm)	Material number
Reinforced frame module, extension module (PA)	320	3842525999
Reinforced frame module, extension module (PA+PE)	320	3842528293

Dimensions



- 1 Exciter plate
- 2 Guide groove
- 3 Stop gate aperture
- 4 Top clearance
- 5 Bottom clearance

Width of workpiece pallet b_{WT} (mm)	Length of workpiece pallet l_{WT} (mm)	Plate mass m_{PI}^1 (kg)	Plate mass m_{PI}^2 (kg)	Plate mass m_{PI}^3 (kg)	Dimension c (mm)	Dimension d (mm)	Dimension e (mm)	Dimension f (mm)
160	160	0.9			45	124	124	45
160	240	1.4			45	204	124	125
240	240	2.1			125	204	204	125
160	320	1.8			45	284	124	205
240	320	2.8			125	284	204	205
320	320	4.3	2.1		205	284	284	205
240	400	4.1	2.0		125	364	204	285
320	400	5.3	3.7		205	364	284	285
400	400	6.6	3.4	5.3	285	364	364	285
320	480	6.4	3.2	5.1	205	444	284	365
400	480	7.0	4.0	6.4	285	444	364	365
480	480	9.3	4.9	7.7	365	444	444	365
400	640	10.4	5.4	8.6	285	604	364	525
480	640	12.3	6.5	10.3	365	604	444	525
640	640	16.3	8.7	13.8	525	604	604	525
400	800			10.8	285	764	364	685
480	800			12.9	365	764	444	685
640	800			17.3	525	764	604	685
800	800			21.7	685	764	764	685
640	1040			22.5	525	1004	604	925
800	1040			28.2	685	1004	764	925
800	1200			36.0	685	1164	764	1085
1040	1040			40.6	925	1004	1004	925
1040	1200			46.9	925	1164	1004	1085
1200	1200			54.1	1085	1164	1164	1085

¹ 4.8 mm steel

² 8.0 mm aluminum

³ 12.7 mm aluminum

WT 2: Components

WT 2: Frame modules with PA wear pad – parts list

For $m_G \leq 50$ kg or $v_N \leq 12$ m/min workpiece pallets

						
b_{WT}	l_{WT}	3842174301	3842174302	3842174303	3842174304	3842513458
(mm)	(mm)					
160	160	4				
160	240	2	2			
160	320	2		2		
240	240		4			
240	320		2	2		
240	400		2		2	
320	320			4		
320	400			2	2	
320	480	2		2		2
400	400				4	
400	480	2			2	2
400	640			2	2	2
400	800	2			2	4
480	480	4				4
480	640	2		2		4
480	800	4				6
640	640			4		4
640	800	2		2		6
640	1040			2	2	6
800	800	4				8
800	1040	2			2	8
800	1200	2	2			10
1040	1040				4	8
1040	1200		2		2	10
1200	1200		4			12

* Reinforced module

¹ With the 160 mm frame module with PE wear pad (3842526760), no exciter plate is included for sensing with inductive sensors from below. Only lateral position sensing is possible with this design.

For $m_G > 50$ kg and $v_N > 12$ m/min workpiece pallets

							
b _{WT}	l _{WT}	3842174301	3842174302	3842174303	3842174304	3842513458	3842525998 ^(*)
(mm)	(mm)						3842525999 ^(*)
320	480	2		2			2
400	400					4	
400	480	2				2	2
400	640			2		2	2
400	800	2			2	2	2
480	480	4					4
480	640	2		2			4
480	800	4			2		4
640	640			4			4
640	800	2		2	2		4
640	1040			2	2	2	4
800	800	4			4		4
800	1040	2			2	4	4
800	1200	2	2			6	4
1040	1040				4	4	4
1040	1200		2		2	6	4
1200	1200		4			8	4

For $m_G \leq 50$ kg or $v_N \leq 12$ m/min workpiece pallets

¹ With the 160 mm frame module with PE wear pad (3842526760), no exciter plate is included for sensing with inductive sensors from below. Only lateral position sensing is possible with this design.

R999000396 (2017-08), **Bosch Rexroth AG**

Positioning bushing



- For supporting the workpiece pallet in positioning units
- Used to mount frame modules and carrying plates
- Positioning bushings increase the empty weight of the workpiece pallet
- Material: Steel, hardened
- Can be combined with frame modules of the WT 2 workpiece pallet

Accessories

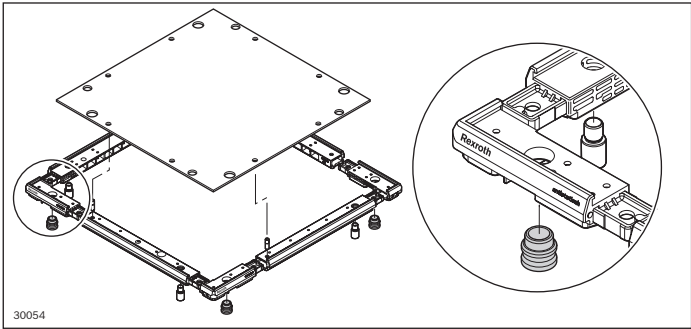
Required mounting accessories

- Press-fit mandrel, see p. 2-23

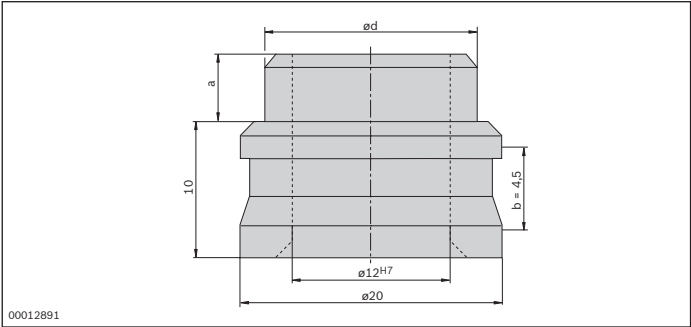
Ordering information

Product designation	Delivery unit	Material number
D20 x 4.8 positioning bushing	1	3842174341
D20 x 8 positioning bushing	1	3842524614
D20 x 12.7 positioning bushing	1	3842524615

Technical data



Dimensions

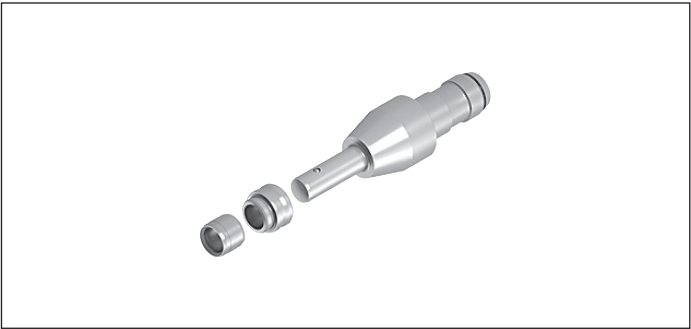


Dimension must correspond to the WT plate thickness.
Note: The dimension 12H7 refers to the state before press-fitting. After press-fitting with the mandrel the dimension 12H7 is guaranteed to be in the "b" range.

2

Material number	Dimension a (mm)	Lower dimension for a A _U (mm)	Dimension d (mm)	Upper dimension for d A _O (mm)	Lower dimension for d A _U (mm)
3842174341	4.8	-0.1	16	+0.034	+0.024
3842524614	8	-0.1	16	+0.05	+0.04
3842524615	12.7	-0.1	16	+0.05	+0.04

Press-fit mandrel



- Material: Steel, hardened
- Can be combined with positioning bushings of the WT 2 workpiece pallet

The press-fit mandrel is used when mounting the pallet for pressing the positioning bushings into the carrying plate.

Accessories

Required accessories

- Positioning bushing, see p. 2-22

Ordering information

Product designation	Material number
Press-fit mandrel	3842525846

Dowel pin



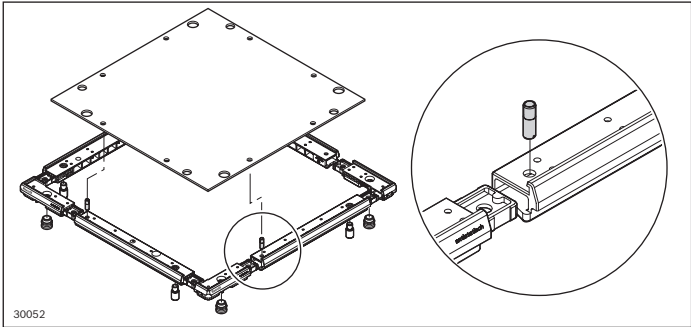
- To connect the carrying plate and the standard frame extension module, two dowel pins are required
- To connect the carrying plate and the reinforced frame extension module, one dowel pin is required
- Material: Steel
- Can be combined with frame modules of the WT 2 workpiece pallet

The dowel pin is used to connect the carrying plate and the frame extension module.

Ordering information

Product designation	Packaging unit	Material number
Dowel pin	100	3842532812

Technical data



Bolts



- For absorbing the stop forces on the stop gate
- Material: steel; galvanized
- Can be combined with reinforced frame modules of the WT 2 workpiece pallet

All WT plates from $b_{WT} \times l_{WT} = 400 \times 400$ mm are equipped with four threaded bores for reinforcement bolts as standard. An exception is the 480 x 320 mm WT plate,

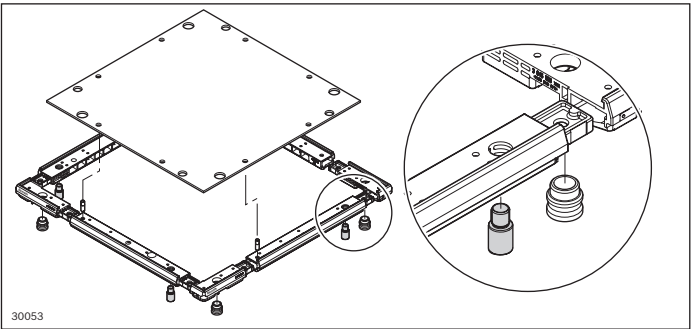
which is executed with only two threaded bores.

Ordering information

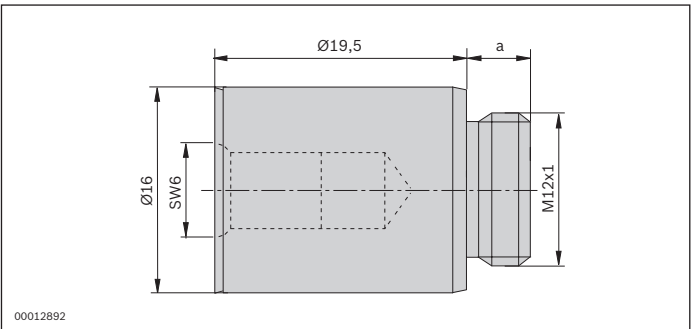
Product designation	Dimension a^* (mm)	Lower dimension for a A_U (mm)	Delivery unit	Material number
Bolt, D16 $a = 4.8$	4.8	-0.2	1	3842525803
Bolt, D16 $a = 8$	8	-0.2	1	3842525804
Bolt, D16 $a = 12.7$	12.7	-0.2	1	3842525805

* The dimension must correspond to the plate thickness.

Technical data

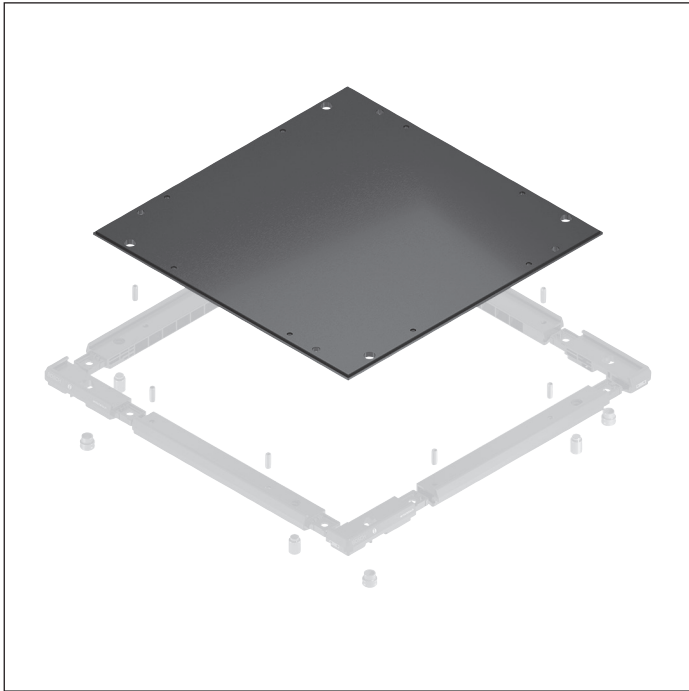
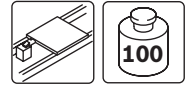


Dimensions



	Dimension a (mm)
 33017	4.8
 33018	8
 33019	12.7

Carrying plate



- ▶ For self-assembly of workpiece pallets for product pick-up
- ▶ Completely drilled and ready for assembly
- ▶ 15 standard sizes in steel, 4.8 mm thick, with KTL (cataphoretic primer) coating
- ▶ 10 standard sizes in aluminum, 8 mm thick
- ▶ 13 standard sizes in aluminum, 12.7 mm thick
- ▶ You will find drilling plans for identification and data storage systems in the RFID systems catalog
- ▶ Can be combined with frame modules of the WT 2 workpiece pallet

Carrying plates are used for self-assembly of WT 2 workpiece pallets using frame modules and mounting elements.

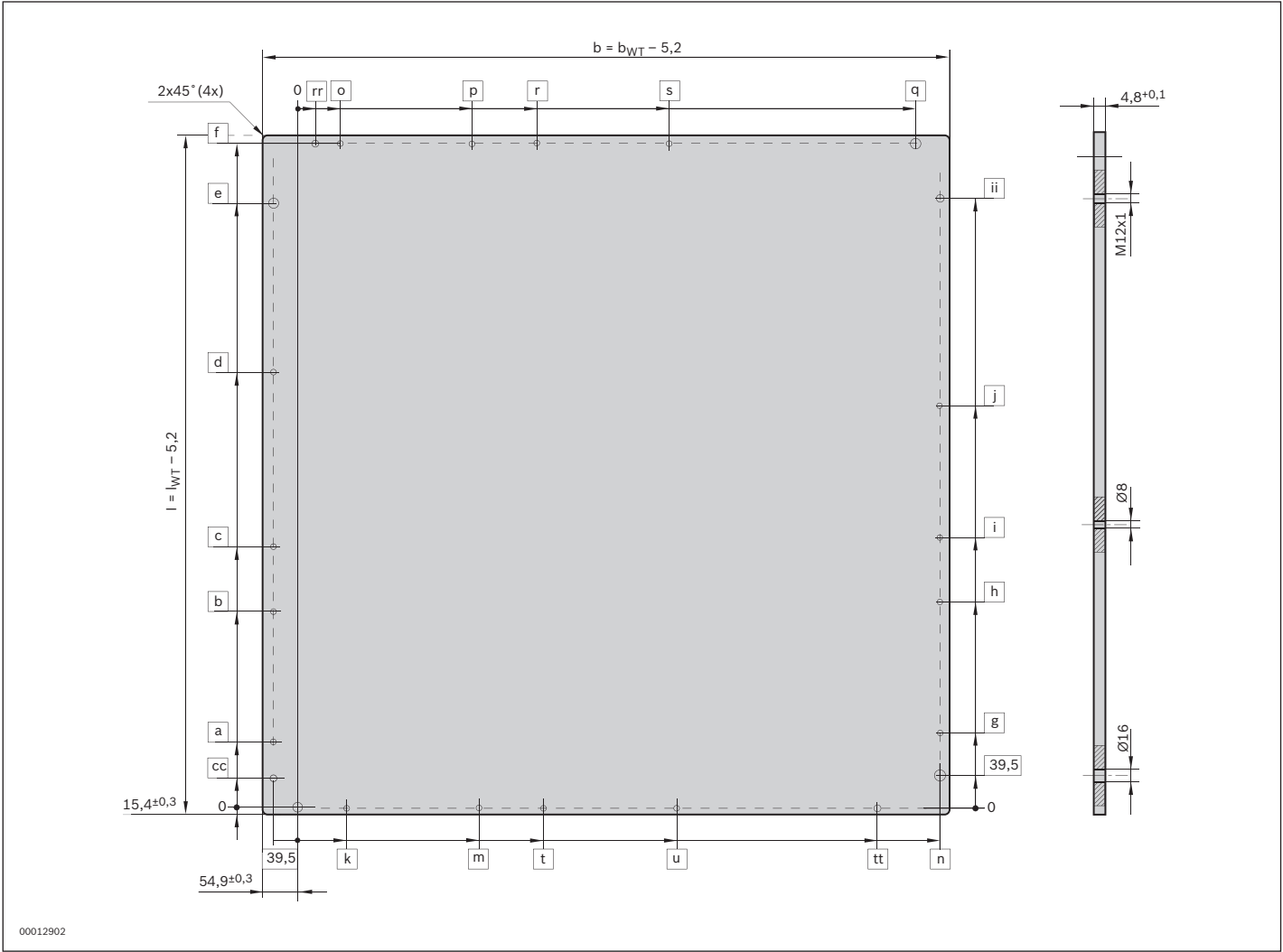
Ordering information

Width of work- piece pallet b _{WT} (mm)	Length of work- piece pallet l _{WT} (mm)	Plate thick- ness d _{PI} (mm)	Flat- ness  (mm)	Plate mass m _{PI} (kg)	Material number, steel	Plate thick- ness d _{PI} (mm)	Flat- ness  (mm)	Plate mass m _{PI} (kg)	Material number, aluminum	Plate thick- ness d _{PI} (mm)	Flat- ness  (mm)	Plate mass m _{PI} (kg)	Material number, aluminum
160	160	4.8	0.3	0.9	3842174311								
160	240	4.8	0.3	1.4	3842174313								
240	240	4.8	0.3	2.1	3842174321								
160	320	4.8	0.3	1.8	3842174315								
240	320	4.8	0.5	2.8	3842174323								
320	320	4.8	0.5	4.3	3842174331	8.0	0.5	2.1	3842524595				
240	400	4.8	0.5	4.1	3842174325	8.0	0.5	2.0	3842524594				
320	400	4.8	0.6	5.3	3842174333	8.0	0.6	3.7	3842524596				
400	400	4.8	0.6	6.6	3842174375²	8.0	0.6	3.4	3842524598²	12.7	0.6	5.3	3842538307²
320	480	4.8	0.6	6.4	3842174334	8.0	0.6	3.7	3842524597¹	12.7	0.6	5.1	3842538346¹
400	480	4.8	0.6	7.0	3842174376²	8.0	0.6	4.0	3842524599²	12.7	0.6	6.4	3842538308²
480	480	4.8	0.8	9.3	3842174381²	8.0	0.8	4.9	3842524602²	12.7	0.8	7.7	3842538309²
400	640	4.8	0.8	10.4	3842174378¹	8.0	0.8	5.4	3842524600²	12.7	0.8	8.6	3842538310²
480	640	4.8	1.0	12.3	3842174383²	8.0	1.0	6.5	3842524603²	12.7	1.0	10.3	3842538311²
640	640	4.8	1.0	16.3	3842523381²	8.0	1.0	8.7	3842524605²	12.7	1.0	13.8	3842538312²
400	800									12.7	1.0	10.8	3842524601²
480	800									12.7	1.0	12.9	3842524604²
640	800									12.7	1.0	17.3	3842524606²
800	800									12.7	1.0	21.7	3842524608²
640	1040									12.7	1.2	22.5	3842524607²
800	1040									12.7	1.2	28.2	3842524609²
800	1200									12.7	1.2	36.0	3842548684
1040	1040									12.7	1.2	40.6	3842548685
1040	1200									12.7	1.2	46.9	3842548686
1200	1200									12.7	1.2	54.1	3842548687

¹ With two threaded bores for reinforcing bolts

² With four threaded bores for reinforcing bolts

Dimensions
Steel carrying plate (4.8 mm)

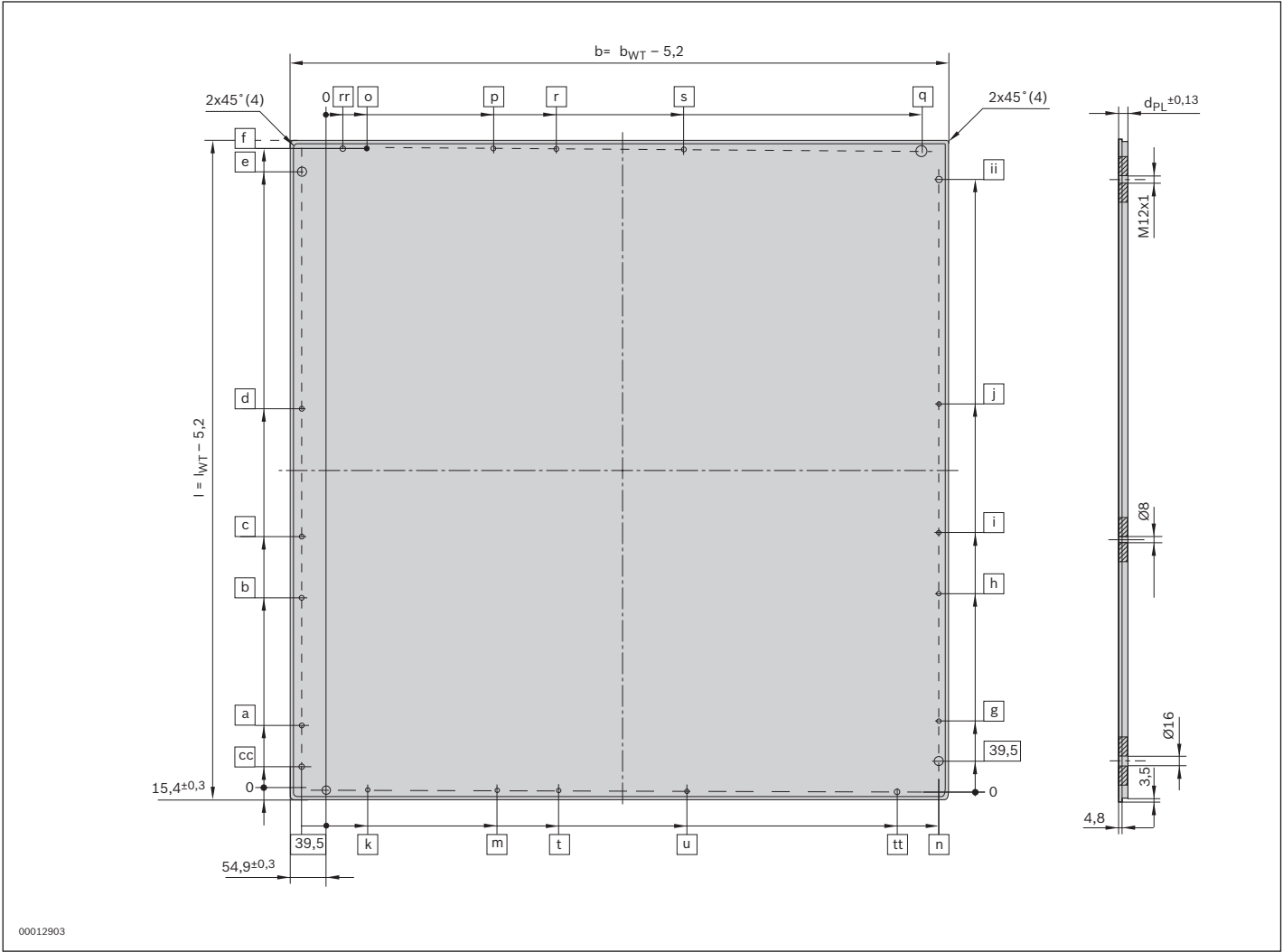


No production drawing

Width of workpiece pallet b_{WT} (mm)	Length of workpiece pallet l_{WT} (mm)	Flat- ness  (mm)	a	b	c	cc	d	e	f	g	h	i	ii	j	k
160	160	0.3						84.5	124						
160	240	0.3						164.5	204						
160	320	0.3						244.5	284						
240	240	0.3						164.5	204						
240	320	0.5						244.5	284						
240	400	0.5						324.5	364						
320	320	0.5						244.5	284						
320	400	0.6						324.5	364						
320	480	0.6	108.5	323.5				404.5	444	120.5	335.5				
400	400	0.6				59.5		324.5	364				304.5		
400	480	0.6	108.5	323.5		59.5		404.5	444	120.5	335.5		384.5		
400	640	0.8	108.5	323.5		59.5		564.5	604	280.5	495.5		544.5		
480	480	0.8	108.5	323.5		59.5		404.5	444	120.5	335.5		384.5		81
480	640	1.0	108.5	323.5		59.5		564.5	604	280.5	495.5		544.5		81
640	640	1.0	108.5	323.5		59.5		564.5	604	280.5	495.5		544.5		241

Width of workpiece pallet b_{WT} (mm)	Length of workpiece pallet l_{WT} (mm)	m	n	o	p	q	r	rr	s	t	tt	u	Material number
160	160		84.5			45							3842174311
160	240		84.5			45							3842174313
160	320		84.5			45							3842174315
240	240		164.5			125							3842174321
240	320		164.5			125							3842174323
240	400		164.5			125							3842174325
320	320		244.5			205							3842174331
320	400		244.5			205							3842174333
320	480		244.5			205							3842174334
400	400		324.5			285		20			265		3842174375
400	480		324.5			285		20			265		3842174376
400	640		324.5			285		20			265		3842174378
480	480	296	404.5	69	284	365		20			345		3842174381
480	640	296	404.5	69	284	365		20			345		3842174383
640	640	456	564.5	69	284	525		20			505		3842523381

Dimensions
Aluminum carrying plate (8 mm)

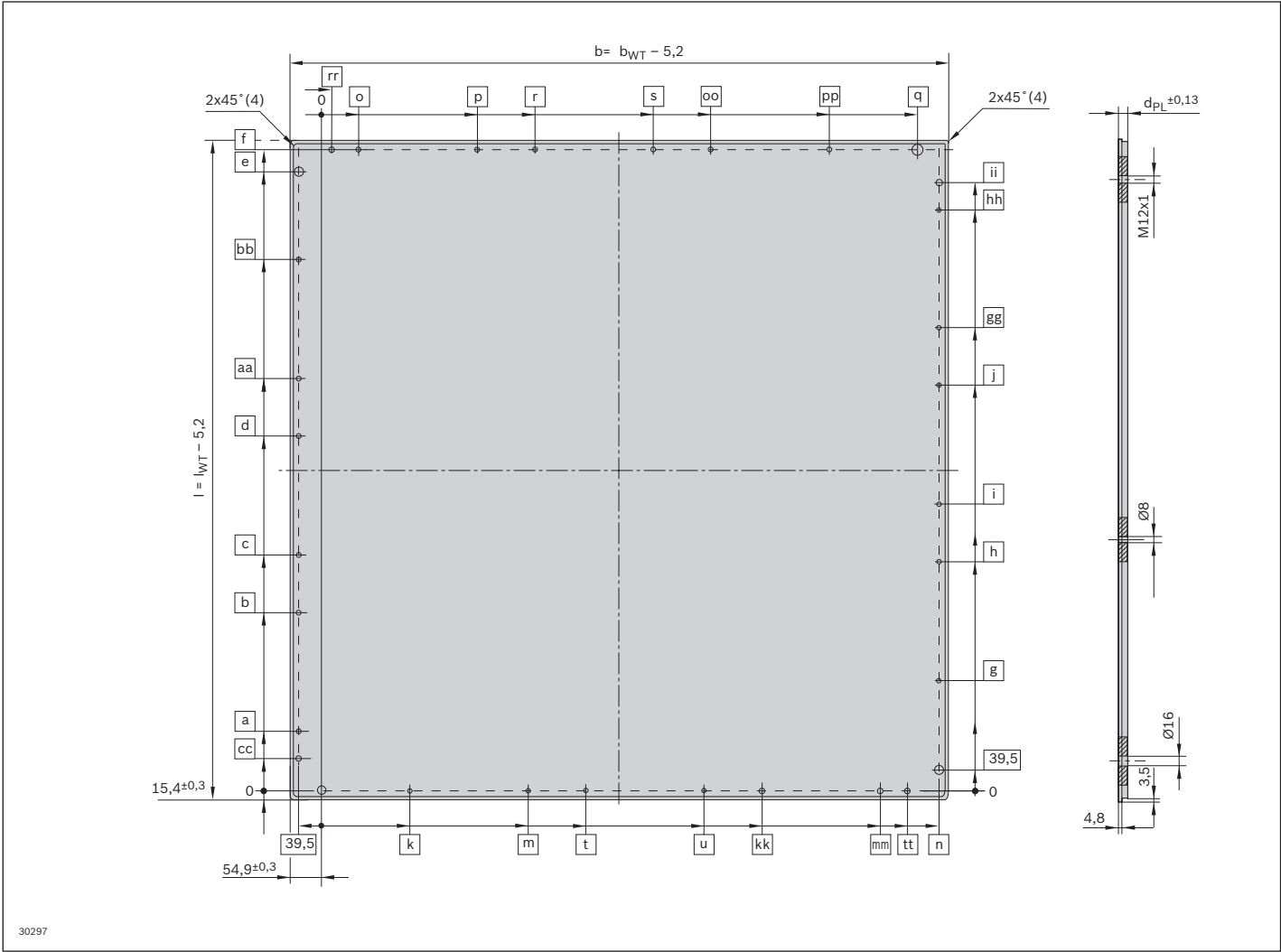


No production drawing

Width of workpiece pallet b_{WT} (mm)	Length of workpiece pallet l_{WT} (mm)	Flat- ness  (mm)	a	b	c	cc	d	e	f	g	h	i	ii	j	k
240	400	0.5						324.5	364						
320	320	0.5						244.5	284						
320	400	0.6						324.5	364						
320	480	0.6	108.5	323.5		59.5		404.5	444	120.5	335.5		384.5		
400	400	0.6				59.5		324.5	364				304.5		
400	480	0.6	108.5	323.5		59.5		404.5	444	120.5	335.5		384.5		
400	640	0.8	108.5	323.5		59.5		564.5	604	280.5	495.5		544.5		
480	480	0.8	108.5	323.5		59.5		404.5	444	120.5	335.5		384.5		81
480	640	1.0	108.5	323.5		59.5		564.5	604	280.5	495.5		544.5		81
640	640	1.0	108.5	323.5		59.5		564.5	604	280.5	495.5		544.5		241

b_{WT} (mm)	l_{WT} (mm)	m	n	o	p	q	r	rr	s	t	tt	u	d_{PI}	Material number
240	400		164.5			125							8.0	3842524594
320	320		244.5			205							8.0	3842524595
320	400		244.5			205							8.0	3842524596
320	480		244.5			205							8.0	3842524597
400	400		324.5			285		20			265		8.0	3842524598
400	480		324.5			285		20			265		8.0	3842524599
400	640		324.5			285		20			265		8.0	3842524600
480	480	296	404.5	69	284	365		20			345		8.0	3842524602
480	640	296	404.5	69	284	365		20			345		8.0	3842524603
640	640	296	404.5	69	284	525		20			505		8.0	3842524605

Aluminum carrying plate (12.7 mm) dimensions



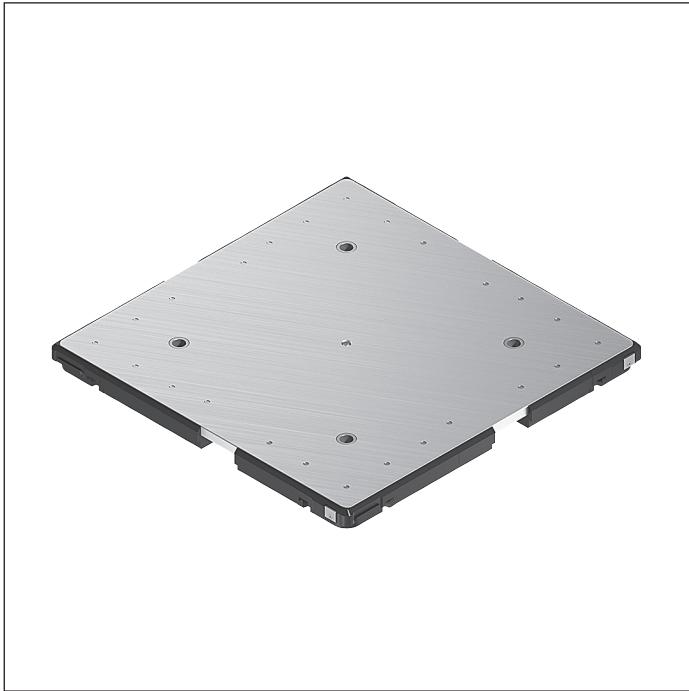
No production drawing

Width of workpiece pallet b_{WT} (mm)	Length of workpiece pallet l_{WT} (mm)	Flatness  (mm)	a	b	c	cc	d	aa	bb	e	f	g	h
320	480	0.6	108.5	323.5		59.5				404.5	444	120.5	335.5
400	400	0.6				59.5				324.5	364		
400	480	0.6	108.5	323.5		59.5				404.5	444	120.5	335.5
400	640	0.8	108.5	323.5		59.5				564.5	604	280.5	495.5
400	800	1.0	108.5	323.5	428.5	59.5	643.5			724.5	764	120.5	335.5
480	480	0.8	108.5	323.5		59.5				404.5	444	120.5	335.5
480	640	1.0	108.5	323.5		59.5				564.5	604	280.5	495.5
480	800	1.0	108.5	323.5	428.5	59.5	643.5			724.5	764	120.5	335.5
640	640	1.0	108.5	323.5		59.5				564.5	604	280.5	495.5
640	800	1.0	108.5	323.5	428.5	59.5	643.5			724.5	764	120.5	335.5
640	1040	1.2	108.5	323.5	428.5	59.5	643.5			964.5	1004	360.5	575.5
800	800	1.0	108.5	323.5	428.5	59.5	643.5			724.5	764	120.5	335.5
800	1040	1.2	108.5	323.5	428.5	59.5	643.5			964.5	1004	360.5	575.5
800	1200	1.2	108.5	323.5	428.5	59.5	643.5	748.5	963.5	1124.5	1164	200.5	415.5
1040	1040	1.2	108.5	323.5	428.5	59.5	643.5			964.5	1004	360.5	575.5
1040	1200	1.2	108.5	323.5	428.5	59.5	643.5	748.5	963.5	1124.5	1164	200.5	415.5
1200	1200	1.2	108.5	323.5	428.5	59.5	643.5	748.5	963.5	1124.5	1164	200.5	415.5

b_{WT} (mm)	l_{WT} (mm)	i	ii	j	k	gg	hh	m	n	o	p	q	r
320	480		384.5						244.5			205	
400	400		304.5						324.5			285	
400	480		384.5						324.5			285	
400	640		544.5						324.5			285	
400	800	440.5	704.5	655.5					324.5			285	
480	480		384.5		81			296	404.5	69	284	365	
480	640		544.5		81			296	404.5	69	284	365	
480	800	440.5	704.5	655.5	81			296	404.5	69	284	365	
640	640		544.5		241			296	404.5	69	284	525	
640	800	440.5	704.5	655.5	241			456	564.5	69	284	525	
640	1040	680.5	944.5	895.5	241			456	564.5	69	284	525	
800	800	440.5	704.5	655.5	81			296	724.5	69	284	685	389
800	1040	680.5	944.5	895.5	81			296	724.5	69	284	685	389
800	1200	520.5	1104.5	735.5	81	840.5	1055.5	296	724.5	69	284	685	389
1040	1040	680.5	944.5	895.5	321			536	964.5	69	284	925	389
1040	1200	520.5	1104.5	735.5	321	840.5	1055.5	536	964.5	69	284	925	389
1200	1200	520.5	1104.5	735.5	161	840.5	1055.5	376	1124.5	69	284	1085	389

b_{WT} (mm)	l_{WT} (mm)	rr	s	t	tt	u	kk	mm	oo	pp	d_{PI}	Material number
320	480										12.7	3842538346
400	400	20			265						12.7	3842538307
400	480	20			265						12.7	3842538308
400	640	20			265						12.7	3842538310
400	800	20			265						12.7	3842524601
480	480	20			345						12.7	3842538309
480	640	20			345						12.7	3842538311
480	800	20			345						12.7	3842524604
640	640	20			505						12.7	3842538312
640	800	20			505						12.7	3842524606
640	1040	20			505						12.7	3842524607
800	800	20	604	401	665	616					12.7	3842524608
800	1040	20	604	401	665	616					12.7	3842524609
800	1200	20	604	401	665	616					12.7	3842548684
1040	1040	20	604	641	905	856					12.7	3842548685
1040	1200	20	604	641	905	856					12.7	3842548686
1200	1200	20	604	481	1065	696	801	1016	709	924	12.7	3842548687

WT 2/H workpiece pallet



Pick-up and transportation of workpieces in the TS 2plus transfer system.

Accessories

Recommended accessories

- ▶ 2x WT 2/H (LE 2) positioning bushing kit, see p. 2-46
Positioning bushings are required when using a PE 2/H positioning unit

Delivery notes

Scope of delivery

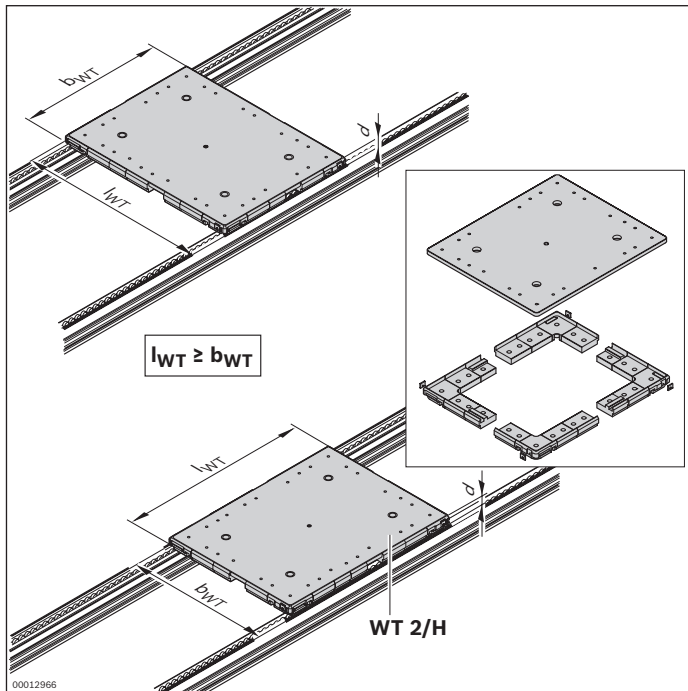
- ▶ Carrying plate
- ▶ Corner module
- ▶ Wear pads
- ▶ Damping elements

- ▶ Workpiece pallet for especially high maximum permitted total weight up to 240 kg (2 kg/cm length) in combination with accumulation roller chain conveyor medium
- ▶ Fully assembled or as a kit for self-assembly
- ▶ PE wear pads for quiet operation and low wear
- ▶ Integrated stop damper, ensures quiet running onto other workpiece pallets
- ▶ 17 standard sizes
- ▶ For workpiece pallet dimensions $l_{WT} \times b_{WT} = 400 \times 400$ mm up to 1200×1200 mm
- ▶ Special dimensions on request
- ▶ Universal aluminum carrying plate with two carrying plate thicknesses:
 - $d = 12.70$ mm
 - $d = 19.05$ mm
- ▶ Suitable for use in an EPA
- ▶ Material:
 - Aluminum carrying plate
 - Corner module and slider with PE (= polyethylene) wear pad

Condition on delivery

- ▶ Assembled (MT = 1)
- ▶ Kit, not assembled (MT = 0)

Ordering information



Material number		3842998751 ¹	3842998755 ²
b _{WT} (mm)	Width of workpiece pallet	400; 480; 640; 800; 1040; 1200	
l _{WT} (mm)	Length of workpiece pallet	400; 480; 640; 800; 1040; 1200	
b _{WT} x l _{WT} (mm x mm)	Combination options	400 x 400; 480; 640; 800; 480 x 480; 640; 800; 640 x 640; 800; 1040; 1200; 800 x 800; 1040; 1200; 1040 x 1040; 1200; 1200 x 1200	
MT	Kit 0 = not assembled 1 = assembled	0; 1	

¹) Plate thickness 12.7 mm

²) Plate thickness 19.05 mm

Technical data

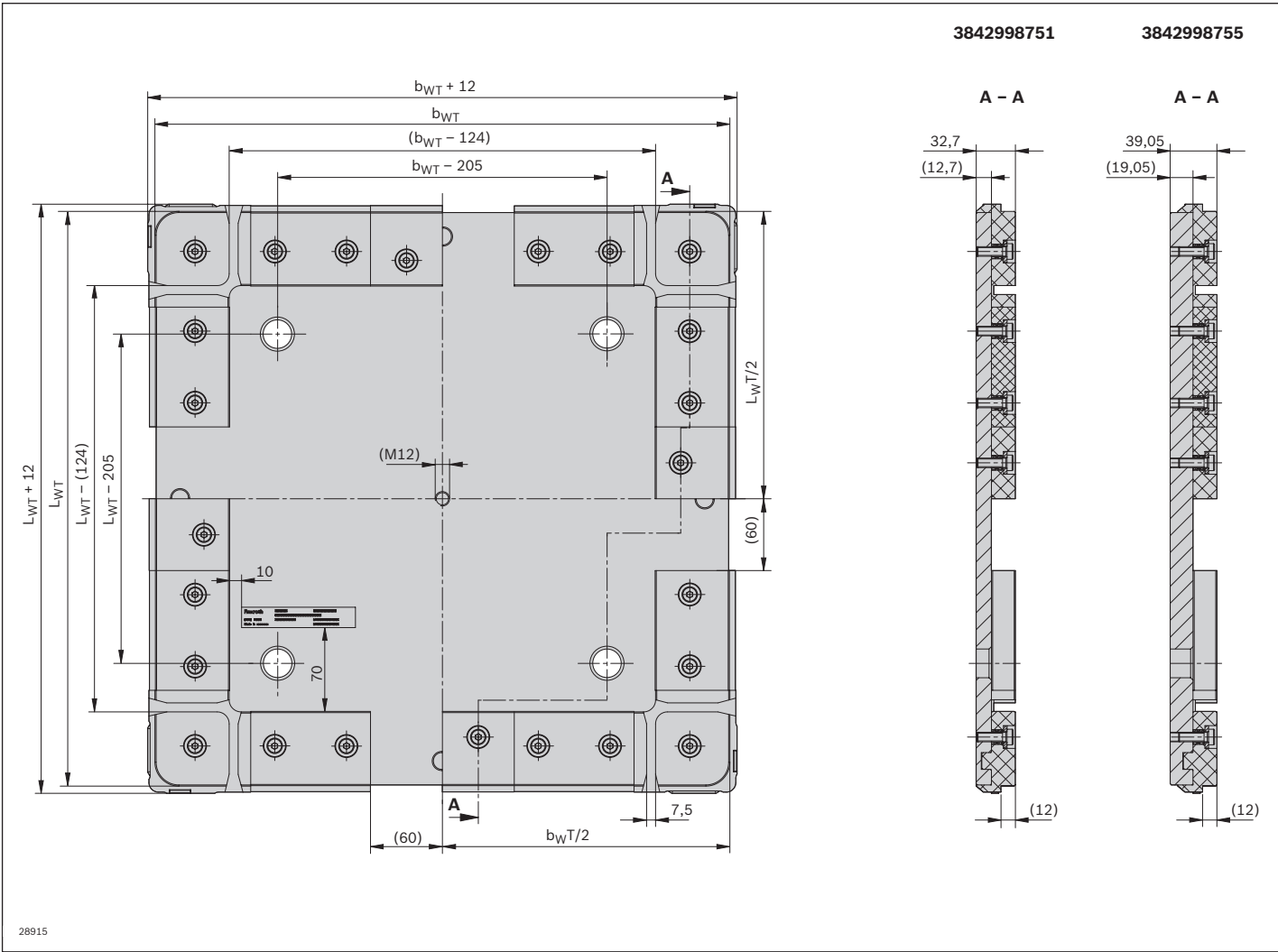
Material number			3842998751	3842998755
Load				
Max. total weight of workpiece pallet	m _G	kg	240	240
Plate thickness	d _{Pl}	mm	12.7	19.05

Width of workpiece pallet b _{WT} (mm)	Length of workpiece pallet l _{WT} (mm)	Workpiece pallet mass 3842998751 ¹ m _{WT} (kg)	Flatness 3842998751 ¹ (mm)	Workpiece pallet mass 3842998755 ² m _{WT} (kg)	Flatness 3842998755 ² (mm)
400	400	6.9	0.4	9.6	0.4
400	480	8.2	0.6	11.5	0.6
400	640	10.9	0.8	15.2	0.8
400	800	13.5	1.0	18.9	1.0
480	480	9.8	0.6	13.7	0.6
480	640	12.9	0.8	18.1	0.8
480	800	16.0	1.0	22.5	1.0
640	640	16.8	0.8	23.7	0.8
640	800	20.7	1.0	29.4	1.0
640	1040	26.6	1.2	37.9	1.2
640	1200	30.6	1.2	43.6	1.2
800	800	25.6	1.0	36.5	1.0
800	1040	32.8	1.2	46.9	1.2
800	1200	37.6	1.2	53.9	1.2
1040	1040	41.9	1.2	60.3	1.2
1040	1200	48.1	1.2	69.3	1.2
1200	1200	55.1	1.2	79.6	1.2

¹) Plate thickness 12.7 mm

²) Plate thickness 19.05 mm

Dimensions

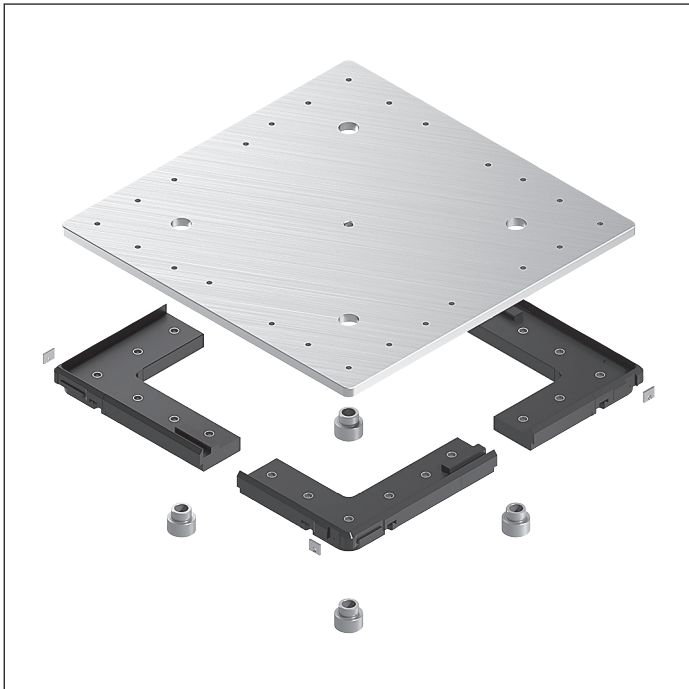


No production drawing



Components for WT 2/H workpiece pallets

To fulfill special needs, the workpiece pallets can also be individually configured in a design where the carrying plate is assembled by the customer. In addition to frame modules, various carrying plates, positioning bushings, and all the necessary fastening elements are available.



WT 2/H workpiece pallet mounting kit

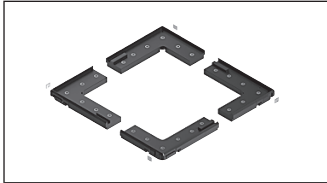
- ▶ Suitable for WT 2/H aluminum carrying plates and high WT bearing loads
- ▶ PE wear pads for quiet operation and low wear
- ▶ Suitable for accumulation roller chains

Carrying plates

- ▶ Aluminum carrying plates with a thickness of 12.70 mm or 19.05 mm are a light and rigid alternative for large workpiece pallets

Positioning bushings

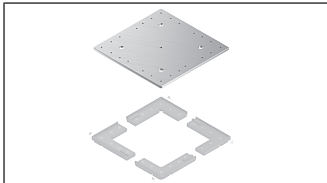
- ▶ For defined pick-up of the workpiece pallet in the positioning units



WT 2/H workpiece pallet mounting kit



2-40



Carrying plate



2-42

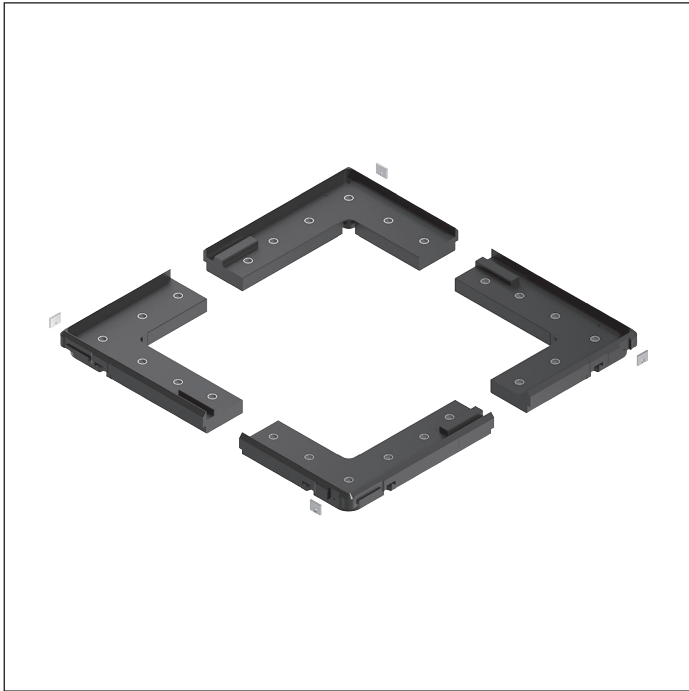


WT 2/H positioning bushing kit



2-46

WT 2/H workpiece pallet kit



- ▶ Workpiece pallet kit without carrying plate for self-assembly or for adaptation to specific customer requirements
- ▶ PE wear pads for quiet operation and low wear
- ▶ Integrated stop damper, ensures quiet running onto other workpiece pallets
- ▶ 17 standard sizes
- ▶ For workpiece pallet dimensions
 $b_{WT} \times l_{WT} = 400 \times 400 \text{ mm}$ up to $1200 \times 1200 \text{ mm}$
- ▶ Special dimensions on request
- ▶ Suitable for use in an EPA
- ▶ Material: PE (= polyethylene) wear pad

Accessories

Recommended accessories

- ▶ 2x WT 2/H (LE 2) positioning bushing kit, see p. 2-46
Positioning bushings are required when using a PE 2/H positioning unit

Delivery notes

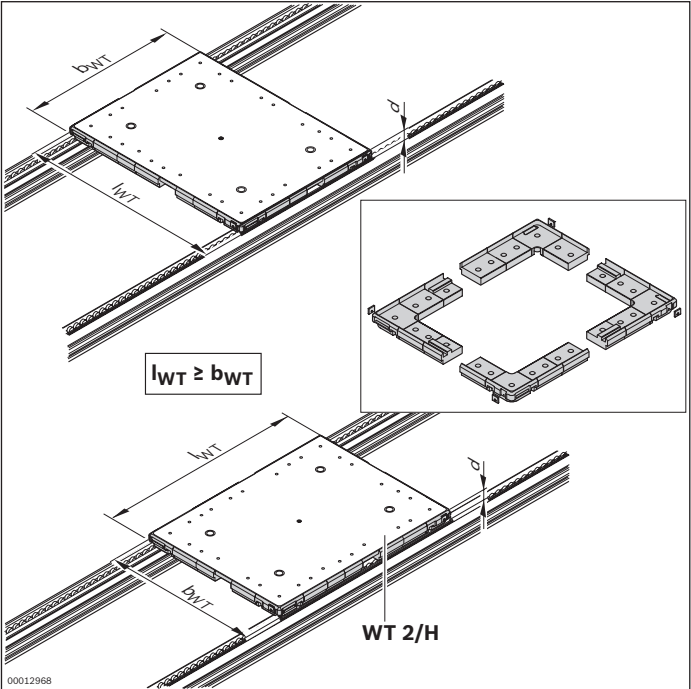
Scope of delivery

- ▶ Corner module
- ▶ Glider with PE wear pads
- ▶ Damping elements

Condition on delivery

- ▶ Parts kit without carrying plate
- ▶ Not assembled

Ordering information



Material number		3842998756
b _{WT} (mm)	Width of workpiece pallet	400; 480; 640; 800; 1040; 1200
l _{WT} (mm)	Length of workpiece pallet	400; 480; 640; 800; 1040; 1200
b _{WT} x l _{WT} (mm x mm)	Combination options	400 x 400; 480; 640; 800; 480 x 480; 640; 800 640 x 640; 800; 1040; 1200; 800 x 800; 1040; 1200 1040 x 1040; 1200 1200 x 1200

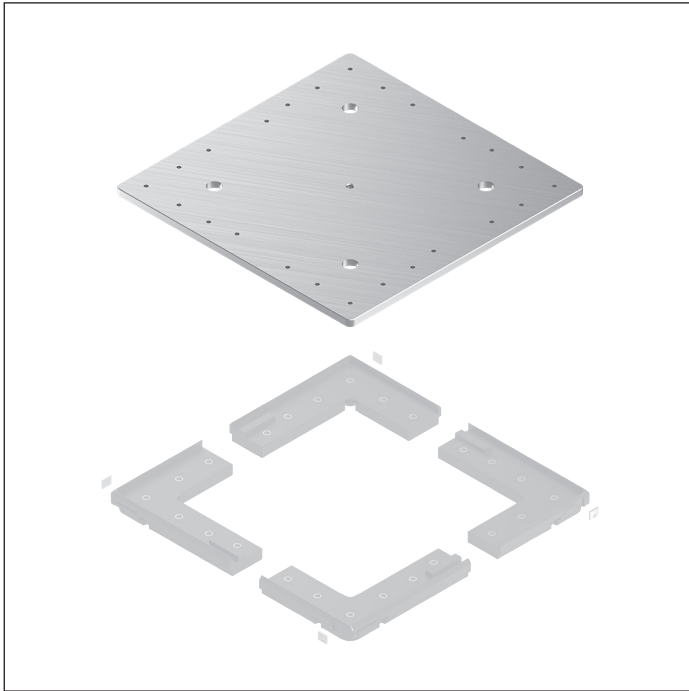
Technical data

Material number		3842998756
Load		
Max. total weight of workpiece pallet	m _G	240

Dimensions

Width of workpiece pallet b _{WT} (mm)	Length of workpiece pallet l _{WT} (mm)	Frame module weight m (kg)
400	400	1.7
400	480	1.9
400	640	2.4
400	800	2.8
480	480	2.2
480	640	2.6
480	800	3.1
640	640	3.0
640	800	3.5
640	1040	4.1
640	1200	4.6
800	800	4.0
800	1040	4.6
800	1200	5.0
1040	1040	5.2
1040	1200	5.7
1200	1200	6.1

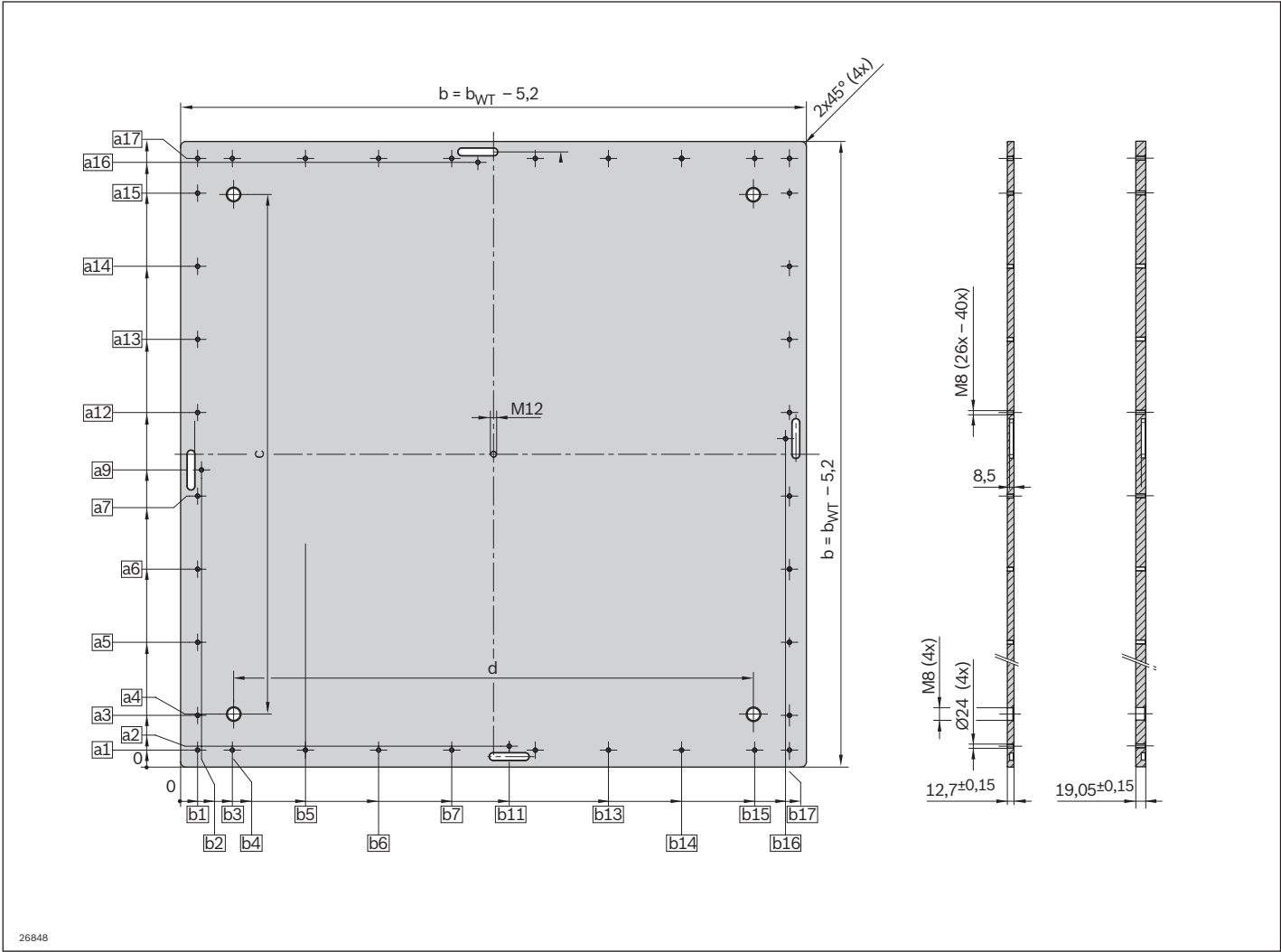
Carrying plate



- ▶ Aluminum carrying plates for high loads with large workpiece pallets
- ▶ For workpiece pallet self-assembly for product support or for adaptation to specific customer requirements
- ▶ Completely drilled and ready for assembly
- ▶ 17 standard sizes
- ▶ Universal aluminum carrying plate with two carrying plate thicknesses:
 - d = 12.70 mm
 - d = 19.05 mm
- ▶ Can be combined with WT 2/H workpiece pallet kit

Width of workpiece pallet b_{WT} (mm)	Length of workpiece pallet l_{WT} (mm)	Plate thickness d_{PI} (mm)	Flatness  (mm)	Plate mass m_{PI} (kg)	Material number	Plate thickness d_{PI} (mm)	Flatness  (mm)	Plate mass m_{PI} (kg)	Material number
400	400	12.7	0.4	5.2	3842548420				
400	480	12.7	0.6	6.3	3842548421				
400	640	12.7	0.8	8.5	3842548422				
400	800	12.7	1.0	10.7	3842548440				
480	480	12.7	0.6	7.6	3842548688				
480	640	12.7	0.8	10.3	3842548689				
480	800	12.7	1.0	12.9	3842548691				
640	640	12.7	0.8	13.8	3842548690				
640	800	12.7	1.0	17.3	3842548692				
640	1040	12.7	1.2	22.5	3842548694				
640	1200	12.7	1.2	26.0	3842548697				
800	800	12.7	1.0	21.6	3842548693				
800	1040	12.7	1.2	28.2	3842548695				
800	1200	12.7	1.2	32.6	3842548698				
1040	1040	12.7	1.2	36.7	3842548696				
1040	1200	12.7	1.2	42.2	3842548699				
1200	1200	12.7	1.2	49.0	3842548405				
400	400					19.05	0.4	7.9	3842548424
400	480					19.05	0.6	9.5	3842548425
400	640					19.05	0.8	12.8	3842548426
400	800					19.05	1.0	16.1	3842548439
480	480					19.05	0.6	11.5	3842548407
480	640					19.05	0.8	15.4	3842548408
480	800					19.05	1.0	19.4	3842548410
640	640					19.05	0.8	20.7	3842548409
640	800					19.05	1.0	25.9	3842548411
640	1040					19.05	1.2	33.8	3842548413
640	1200					19.05	1.2	39.1	3842548416
800	800					19.05	1.0	32.5	3842548412
800	1040					19.05	1.2	42.3	3842548414
800	1200					19.05	1.2	48.9	3842548417
1040	1040					19.05	1.2	55.2	3842548415
1040	1200					19.05	1.2	63.7	3842548418
1200	1200					19.05	1.2	73.5	3842548419

Dimensions
Aluminum carrying plate

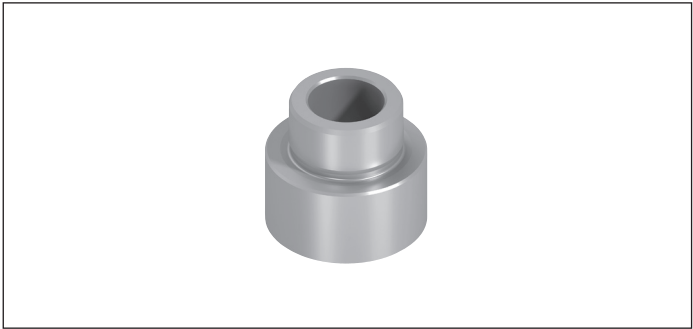


No production drawing

Width of workpiece pallet b_{WT} (mm)	Length of workpiece pallet l_{WT} (mm)	Di- men- sion a1 (mm)	Di- men- sion a2 (mm)	Di- men- sion a3 (mm)	Di- men- sion a4 (mm)	Di- men- sion a5 (mm)	Di- men- sion a6 (mm)	Di- men- sion a7 (mm)	Di- men- sion a9 (mm)	Di- men- sion a12 (mm)	Di- men- sion a13 (mm)	Di- men- sion a14 (mm)	Di- men- sion a15 (mm)	Di- men- sion a16 (mm)	Di- men- sion a17 (mm)	Di- men- sion c (mm)
400	400	32.5	40.0	109.0	101.5				169.0				289.0	358.0	365.5	195.0
400	480	32.5	40.0	99.0	101.5			159.0	209.0	319.0			379.0	438.0	445.5	295.0
400	640	32.5	40.0	99.0	101.5			239.0	289.0	399.0			539.0	598.0	605.5	435.0
400	800	32.5	40.0	99.0	101.5	209.0		319.0	369.0	479.0	589.0		699.0	758.0	765.5	595.0
480	480	32.5	40.0	99.0	101.5			159.0	209.0	319.0			379.0	438.0	445.5	275.0
480	640	32.5	40.0	99.0	101.5			239.0	289.0	399.0			539.0	598.0	605.5	435.0
480	800	32.5	40.0	99.0	101.5	209.0		319.0	369.0	479.0	589.0		699.0	758.0	765.5	595.0
640	640	32.5	40.0	99.0	101.5			239.0	289.0	399.0			539.0	598.0	605.5	435.0
640	800	32.5	40.0	99.0	101.5	209.0		319.0	369.0	479.0	589.0		699.0	758.0	765.5	595.0
640	1040	32.5	40.0	99.0	101.5	269.0		439.0	489.0	599.0	769.0		939.0	998.0	1005.5	835.0
640	1200	32.5	40.0	99.0	101.5	239.0	379.0	519.0	569.0	679.0	819.0	959.0	1099.0	1158.0	1165.5	995.0
800	800	32.5	40.0	99.0	101.5	209.0		319.0	369.0	479.0	589.0		699.0	758.0	765.5	595.0
800	1040	32.5	40.0	99.0	101.5	269.0		439.0	489.0	599.0	769.0		939.0	998.0	1005.5	835.0
800	1200	32.5	40.0	99.0	101.5	239.0	379.0	519.0	569.0	679.0	819.0	859.0	1099.0	1158.0	1165.5	995.0
1040	1040	32.5	40.0	99.0	101.5	269.0		439.0	489.0	599.0	769.0		939.0	998.0	1005.5	835.0
1040	1200	32.5	40.0	99.0	101.5	239.0	379.0	519.0	569.0	679.0	819.0	859.0	1099.0	1158.0	1165.5	995.0
1200	1200	32.5	40.0	99.0	101.5	239.0	379.0	519.0	569.0	679.0	819.0	859.0	1099.0	1158.0	1165.5	995.0

Width of workpiece pallet b_{WT} (mm)	Length of workpiece pallet l_{WT} (mm)	Dimen- sion b1 (mm)	Dimen- sion b2 (mm)	Dimen- sion b3 (mm)	Dimen- sion b4 (mm)	Dimen- sion b5 (mm)	Dimen- sion b6 (mm)	Dimen- sion b7 (mm)	Dimen- sion b11 (mm)	Dimen- sion b13 (mm)	Dimen- sion b14 (mm)	Dimen- sion b15 (mm)	Dimen- sion b16 (mm)	Dimen- sion b17 (mm)	Dimen- sion d (mm)
400	400	32.5	40.0	109.0	101.5				229.0			289.0	358.0	365.5	195.0
400	480	32.5	40.0	109.0	101.5				229.0			289.0	358.0	365.5	195.0
400	640	32.5	40.0	109.0	101.5				229.0			289.0	358.0	365.5	195.0
400	800	32.5	40.0	109.0	101.5				229.0			289.0	358.0	365.5	195.0
480	480	32.5	40.0	99.0	101.5			159.0	269.0			379.0	438.0	445.5	275.0
480	640	32.5	40.0	99.0	101.5			159.0	269.0			379.0	438.0	445.5	275.0
480	800	32.5	40.0	99.0	101.5			159.0	269.0			379.0	438.0	445.5	275.0
640	640	32.5	40.0	99.0	101.5			239.0	349.0			539.0	598.0	605.5	435.0
640	800	32.5	40.0	99.0	101.5			239.0	349.0			539.0	598.0	605.5	435.0
640	1040	32.5	40.0	99.0	101.5			239.0	349.0			539.0	598.0	605.5	435.0
640	1200	32.5	40.0	99.0	101.5			239.0	349.0			539.0	598.0	605.5	435.0
800	800	32.5	40.0	99.0	101.5	209.0		319.0	429.0	589.0		699.0	758.0	765.5	595.0
800	1040	32.5	40.0	99.0	101.5	209.0		319.0	429.0	589.0		699.0	758.0	765.5	595.0
800	1200	32.5	40.0	99.0	101.5	209.0		319.0	429.0	589.0		699.0	758.0	765.5	595.0
1040	1040	32.5	40.0	99.0	101.5	269.0		439.0	549.0	769.0		939.0	998.0	1005.5	835.0
1040	1200	32.5	40.0	99.0	101.5	269.0		439.0	549.0	769.0		939.0	998.0	1005.5	835.0
1200	1200	32.5	40.0	99.0	101.5	239.0	379.0	519.0	629.0	819.0	959.0	1099.0	1158.0	1165.5	995.0

WT 2/H positioning bushing kit



- For defined pick-up of the workpiece pallet in positioning units
- Material: Steel
- Can be combined with WT 2/H workpiece pallet carrying plates

Accessories

Required accessories

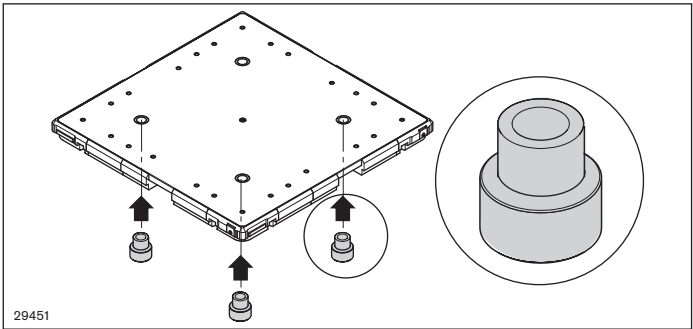
- Positioning bushings are required when using a PE 2/H positioning unit

Ordering information

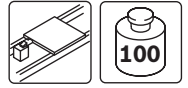
Product designation	Delivery unit	Material number
WT 2/H positioning bushing kit	2	3842531354

Technical data

Material number		3842531354
Features		
Mass	kg	0.6



WT 2/F frame workpiece pallet



2



- ▶ Frame workpiece pallet, fully assembled or as a kit for self-assembly
- ▶ Low weight and high stability thanks to aluminum frame construction
- ▶ Especially suitable for low-cost transportation of large products
- ▶ Continuous standard grooves to easily fasten cross struts and workpiece supports
- ▶ Integrated positioning bushings
- ▶ Various wear pads for use on all conveyor media
- ▶ PA wear pads (LS = 0) for use on belts, toothed belts, or flat top chains
- ▶ PE wear pads (LS = 1) for use on accumulation roller chains

Delivery notes

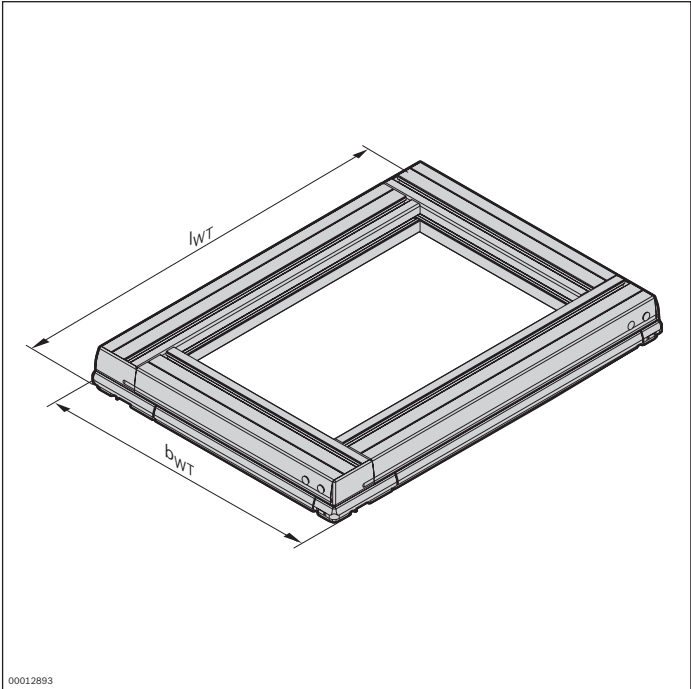
Scope of delivery

- ▶ Frame modules
- ▶ Connection elements
- ▶ Positioning bushings

Condition on delivery

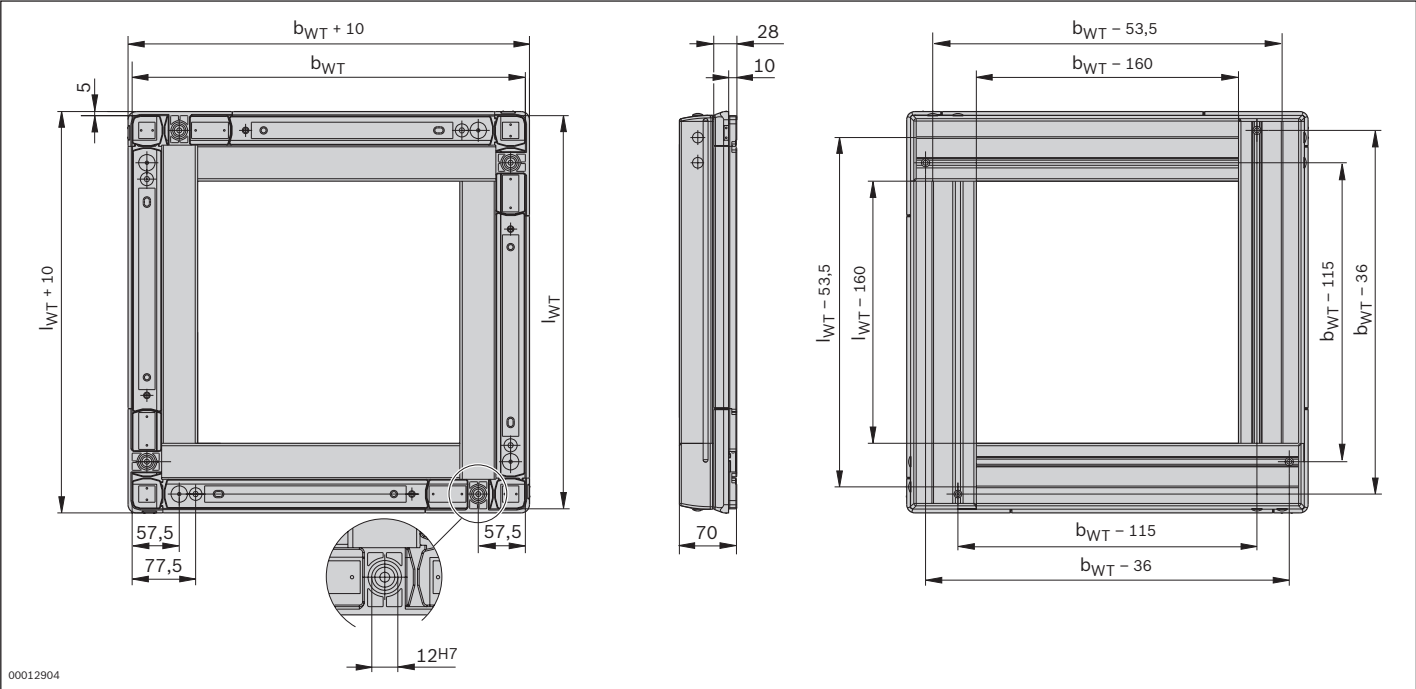
- ▶ Assembled (MT = 1)
- ▶ Kit, not assembled (MT = 0)

Ordering information



Material number		3842999941
b_{WT} (mm)	Width of workpiece pallet	400; 480; 640; 800
l_{WT} (mm)	Length of workpiece pallet	400; 480; 640; 800; 1040
$b_{WT} \times l_{WT}$ (mm x mm)	Combination options	400 x 400; 480; 640; 800; 480 x 480; 640; 800 640 x 640; 800; 1040; 1200; 800 x 800; 1040; 1200 1040 x 1040; 1200 1200 x 1200
MT	Kit 0 = not assembled 1 = assembled	0; 1
LS	Wear pad 0 = PA 1 = PE	0; 1

Dimensions



No production drawing

Width of workpiece pallet		Length of workpiece pallet		Workpiece pallet mass	
b_{WT} (mm)		l_{WT} (mm)		m_{WT} (kg)	
400		400		6.6	
400		480		7.1	
400		640		8.9	
400		800		10.8	
480		480		7.7	
480		640		9.4	
480		800		11.4	
640		640		11.2	
640		800		12.5	
640		1040		15.0	
640		1200		16.8	
800		800		13.9	
800		1040		16.0	
800		1200		18.4	
1040		1040		19.1	
1040		1200		20.7	
1200		1200		22.2	

WT 2/F-H frame workpiece pallet



- ▶ Frame workpiece pallet for especially high maximum permitted total weight up to 240 kg (2 kg/cm length) in combination with accumulation roller chain conveyor medium
- ▶ Fully assembled or unassembled as a kit
- ▶ Low weights and high stability thanks to aluminum frame construction
- ▶ Standard grooves to easily fasten cross struts and workpiece supports
- ▶ PE wear pads for quiet operation and low wear
- ▶ Integrated stop damper, ensures quiet running onto other workpiece pallets
- ▶ For workpiece pallet dimensions
 $b_{WT} \times l_{WT} = 400 \times 400 \text{ mm}$ up to $1200 \times 1200 \text{ mm}$
- ▶ Special dimensions on request
- ▶ Suitable for use in an EPA
- ▶ Material:
Frame module with PE (= polyethylene) wear pad

Pick-up and transportation of workpieces in the TS 2plus transfer system.

Accessories

Recommended accessories

- ▶ 2x WT 2/F-H (LE 2) positioning bushing kits, see p. 2-53

Delivery notes

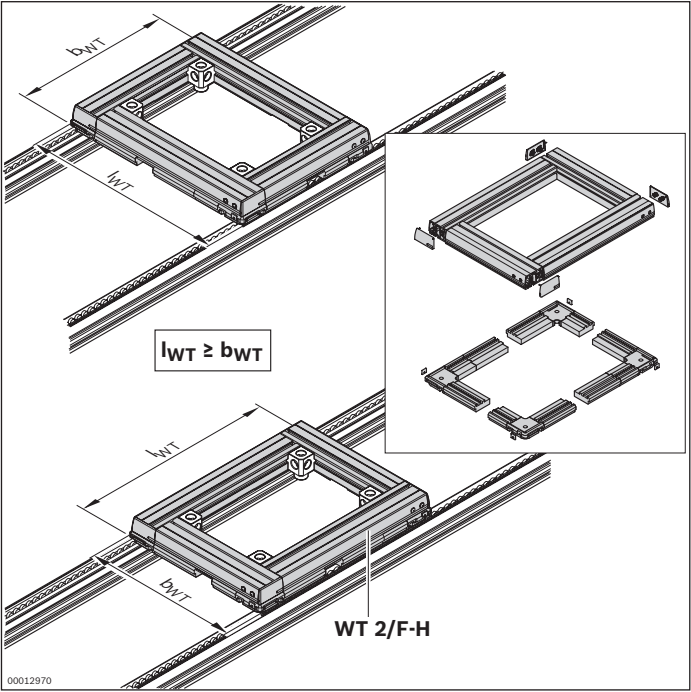
Scope of delivery

- ▶ Corner module
- ▶ Wear pads
- ▶ Damping elements
- ▶ Frame modules
- ▶ Bracket caps

Condition on delivery

- ▶ Assembled (MT = 1)
- ▶ Kit, not assembled (MT = 0)

Ordering information

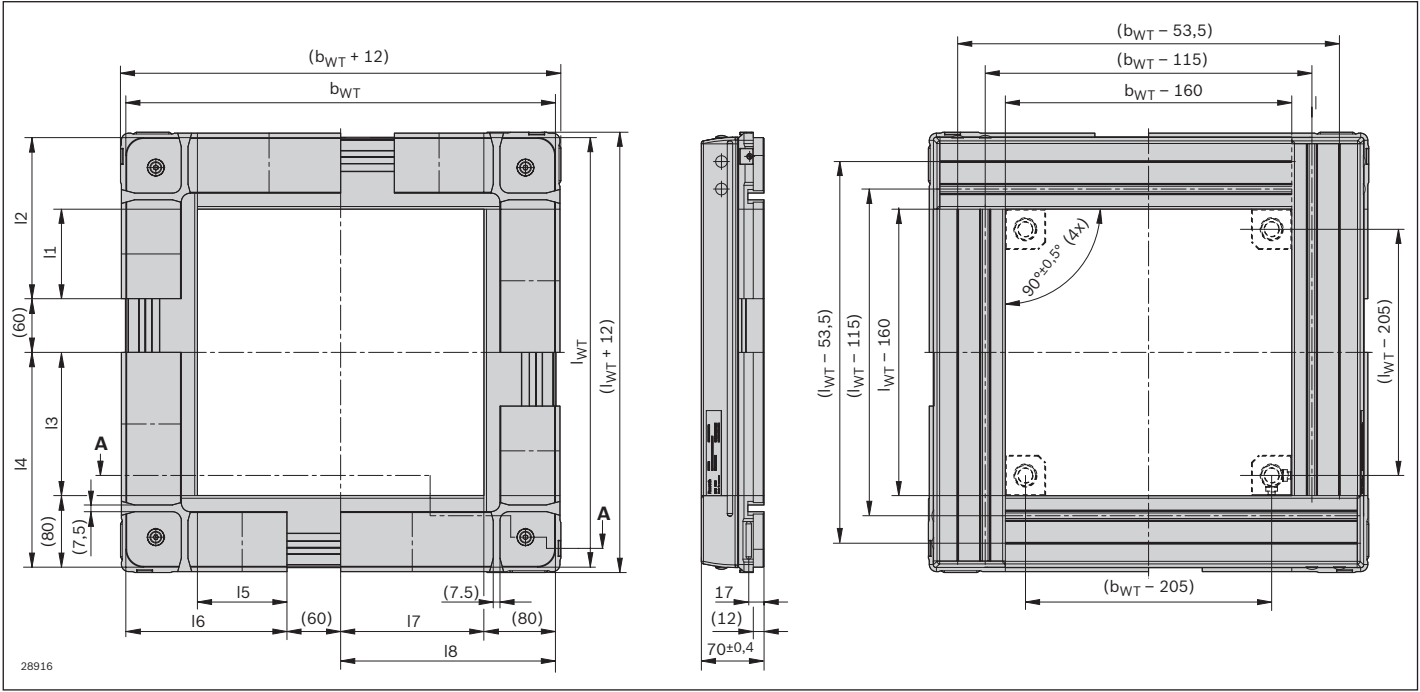


Material number		3842998757
b _{WT} (mm)	Width of workpiece pallet	400; 480; 640; 800; 1040; 1200
l _{WT} (mm)	Length of workpiece pallet	400; 480; 640; 800; 1040; 1200
b _{WT} x l _{WT} (mm x mm)	Combination options	400 x 400; 480; 640; 800; 480 x 480; 640; 800 640 x 640; 800; 1040; 1200; 800 x 800; 1040; 1200 1040 x 1040; 1200 1200 x 1200
MT	Kit 0 = not assembled 1 = assembled	0; 1

Technical data

Material number			3842998757
Load			
Max. total weight of workpiece pallet	m _G	kg	240

Dimensions



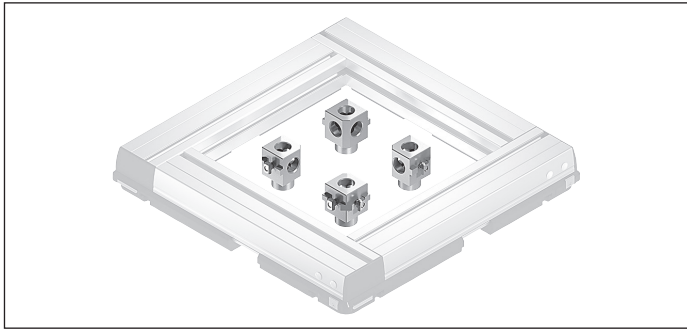
No production drawing

Width of workpiece pallet b_{WT} (mm)	Length of workpiece pallet l_{WT} (mm)	Workpiece pallet mass m_{WT} (kg)	Dimen- sion l1 (mm)	Dimen- sion l2 (mm)	Dimen- sion l3 (mm)	Dimen- sion l4 (mm)	Dimen- sion l5 (mm)	Dimen- sion l6 (mm)	Dimen- sion l7 (mm)	Dimen- sion l8 (mm)
400	400	7.3	60	140	120	200	60	140	120	200
400	480	8.2	100	180	160	240	60	140	120	200
400	640	10.1	180	260	240	320	60	140	120	200
400	800	11.9	260	340	320	400	60	140	120	200
480	480	9.1	100	180	160	240	100	180	160	240
480	640	11.0	180	260	240	320	100	180	160	240
480	800	12.8	260	340	320	400	100	180	160	240
640	640	12.8	180	260	240	320	180	260	240	320
640	800	14.7	260	340	320	400	180	260	240	320
640	1040	17.4	380	460	440	520	180	260	240	320
640	1200	19.3	460	540	520	600	180	260	240	320
800	800	16.5	260	340	320	400	260	340	320	400
800	1040	19.3	380	460	440	520	260	340	320	400
800	1200	21.1	460	540	520	600	260	340	320	400
1040	1040	22.0	380	460	440	520	380	460	440	520
1040	1200	23.9	460	540	520	600	380	460	440	520
1200	1200	25.7	460	540	520	600	460	540	520	600

WT 2/F-H positioning bushing kit



2



- Positioning bushings are used for defined support of the workpiece pallet in positioning units
- Material: Steel
- Can be combined with the WT 2/F-H frame module

Accessories

Required accessories

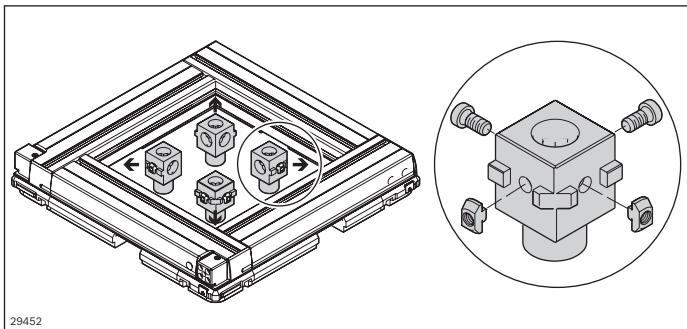
- Positioning bushings are required when using a PE 2/H positioning unit

Ordering information

Product designation	Delivery unit	Material number
WT 2/F-H positioning bushing kit	2	3842530529

Technical data

Material number		3842530529
Features		
Mass	kg	1.3



29452