

# alfer<sup>®</sup>

## combitech<sup>®</sup> system

### Basis



English

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## Dear customer

Every DIY person is generally familiar with standard profiles such as tubes, angles, etc. made of aluminium or plastic. Even more familiar and usually overlooked are screws, i.e. metric threads. They are part of our everyday life. The most common form is the threaded rod, which is used to produce screws of any length.

Every DIY person has probably also used standard profiles and metric screws together at least once. You too? What do you remember about it?

- Why don't tubes fit into other tubes?
- Why don't the metric threads match the profiles or fit in them, i.e. tubes?
- Why are there so few fittings for profiles and metric threads?
- Why is the profile produced only in aluminium or plastic and not in both?
- Why do standard profiles hardly ever fit one another?
- And if they do actually fit, why aren't the connection points clearly indicated?
- Even worse, have you ever tried drilling two or more holes in a round tube?
- What about getting them aligned?
- Mission impossible – drilling straight through – 180°?

## combitech® system

Profiles with the unique drill alignment groove – the ideas



Forcing bed cover



Hand cart



Marble run



Pull-out trestle



Wine rack



Bicycle trailer

To remove all restrictions from your imagination, our **combitech®** profiles and fittings can give you the necessary equipment for you to realize your ideas in your hobbies, DIY or professional work. They can be combined with other materials, particularly wood or glass.

## **combitech® system**

### **Profiles with the unique drill alignment groove – the benefits**



The drill alignment groove



Fit in and over each other

### **The drill alignment groove**

These help DIY enthusiasts and professionals to drill in exactly the right place. On a round tube, for example, there are four drill alignment grooves – one every 90°. If you want to drill several holes one after the other on a standard round tube, it is very difficult to align them properly. But if you have a drill alignment groove, you even know where to drill the hole at the other end of the tube.

If you want to drill through a tube, you have major problems getting the drill to come out exactly vertically on the other side because the drill usually goes astray in the round section. If you have drill alignment grooves, you simply measure the position of the required hole from the edge and drill through the first wall. Afterwards you turn the tube around 180°, measure the required position of the hole again and drill through this wall too. You now have both holes exactly opposite one another.

As both holes are drilled from the outside inwards, you also do not get any drill burrs on the outside holes.

### **Fit in and over each other**

Another feature of **combitech®** is that the profiles fit inside and on top of each other. This is due to the fact that the size of the profiles is in line with the size of the metric threaded rods. That is why a round tube fits over the next smaller threaded rod or a round tube fits into the next bigger round tube.

## combitech® system

### Profiles with the unique drill alignment groove – the benefits



Metric threaded rod in tube



Accessory profiles

### Metric threaded rod in tube

A square tube also fits into a square tube, a round tube into a round tube, a bracket to a square tube, a flat bar on a rectangular tube, a threaded rod into a square tube, etc. This allows you to make telescopic rods or shafts and many other objects.

Another feature of **combitech®** is that there are many profiles not only made of aluminium but also plastic. Both materials are rust-proof and weather-resistant. On many units it is not necessary to use sturdy aluminium, you can also resort to cheaper plastic.

### Accessory profiles

Another feature of **combitech®** is that there are many accessory profiles, which increases the variety of applications. For example there are square tubes, 1 branch; square-U, 2 branches; tubes, 1 branch; tubes, 2 branches 180°; tubes, 2 branches 90°; double tubes; triple tubes; tube-tube 90°; tube sleeves; square tubes, 1 branch offset; square tubes, 2 branches offset; etc. The next smallest threaded rods or round pipes also fit into these tubes.

## **combitech® system**

### **Profiles with the unique drill alignment groove – the benefits**



Standard accessories



Step drill

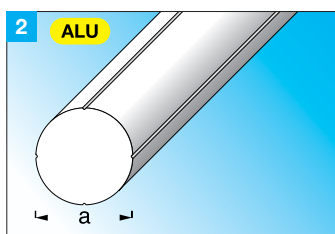
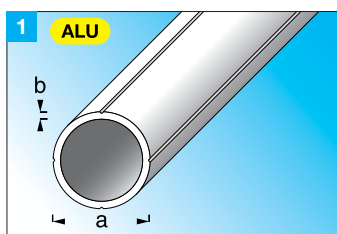
### **Standard accessories**

Another feature of **combitech®** are the standard accessories. These include end caps, a step drill, gussets, nuts, base discs, rubber buffers, springs, ring nuts, knurled nuts, screw-in nuts, a handwheel, connecting bushes, hinged plates, eye bolts, tensioners, setting rings, etc. These parts further increase the variety of applications.

### **Step drill**

The step drill is typically **combitech®** – it matches the dimensions and is easy to use. It can be used to drill even the biggest holes without a drill stand. Warning: the workpiece must always be securely held in position! In addition, the holes can be countersunk in the same workstep using the next largest graduation. The graduated drill has 7 drilling levels that correspond to the 7 hole diameters. The shaft fits into a 10x-drill chuck. The bore-holes correspond to the **combitech®** dimensions, e.g. 11.7 mm for M 8 round tube with an external dimension 11.5 mm. A tolerance of 0.2 mm is necessary.

## combitech® system profiles · Aluminium



### 1 Round tube, uncoated aluminium

Packaging: loose				1.00 m	2.50 m
Colour	Dim. a	Dim. b	For	Item no.	Item no.
uncoated	7.5 mm	1.0 mm	M 5	25002	25022
uncoated	11.5 mm	1.5 mm	M 8	25004	25024
uncoated	15.5 mm	1.5 mm	M 12	25006	25026
uncoated	19.5 mm	1.5 mm	M 16	25008	25028
uncoated	23.5 mm	1.5 mm	M 20	25010	25030
uncoated	29.5 mm	2.4 mm	M 24	25012	25032
uncoated	35.5 mm	2.4 mm	M 30	25014	25034

### 2 Round bar, uncoated aluminium

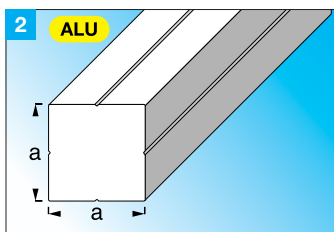
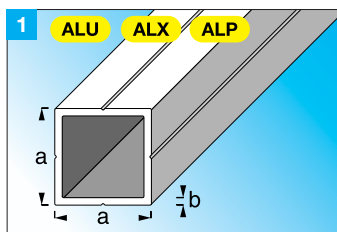
Packaging: loose			1.00 m	2.50 m
Colour	Dim. a		Item no.	Item no.
uncoated	7.5 mm		25082	25102
uncoated	11.5 mm		25084	25104
uncoated	15.5 mm		25086	25106
uncoated	19.5 mm		25088	25108



### User tips

If you want to insert a screw into the hole of a round tube, whether it is aluminium or plastic, you can make a thread there with a thread cutter and screw in a metric screw. You also have the option of inserting a suitable plastic plug and screwing in a wood screw that fits.

## combitech® system profiles · Aluminium



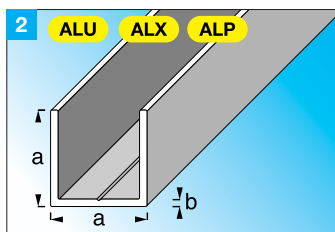
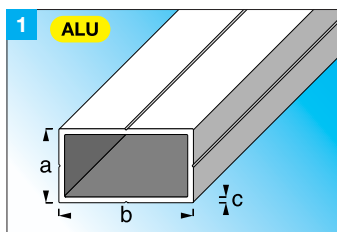
### 1 Square tube, uncoated aluminium

Packaging: loose				1.00 m	2.50 m
Colour	Dim. a	Dim. b	For	Item no.	Item no.
uncoated	7.5 mm	1.0 mm	M 5	25162	25182
uncoated	11.5 mm	1.5 mm	M 8	25164	25184
uncoated	15.5 mm	1.5 mm	M 12	25166	25186
uncoated	19.5 mm	1.5 mm	M 16	25168	25188
uncoated	23.5 mm	1.5 mm	M 20	25170	25190
uncoated	29.5 mm	2.4 mm	M 24	25172	25192
uncoated	35.5 mm	2.4 mm	M 30	25174	25194
Anodized aluminium		Packaging: shrink-wrapped		1.00 m	2.50 m
silver	23.5 mm	1.5 mm	M 20	25171	25191
Powder-coated aluminium				1.00 m	2.50 m
brilliant-white	11.5 mm	1.5 mm	M 8	21164	21184
brilliant-white	15.5 mm	1.5 mm	M 12	21166	21186
brilliant-white	19.5 mm	1.5 mm	M 16	21168	21188
brilliant-white	23.5 mm	1.5 mm	M 20	21170	21190

### 2 Square rod, uncoated aluminium

Packaging: loose			1.00 m	2.50 m
Colour	Dim. a		Item no.	Item no.
uncoated	7.5 mm		25242	25262
uncoated	11.5 mm		25244	25264
uncoated	15.5 mm		25246	25266
uncoated	19.5 mm		25248	25268

## combitech® system profiles · Aluminium



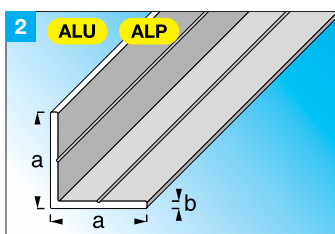
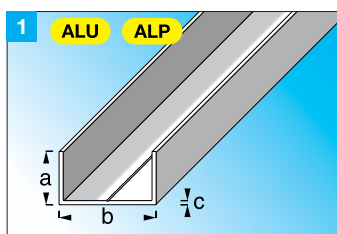
### 1 Rectangular tube, uncoated aluminium

Packaging: loose					1.00 m	2.50 m
Colour	Dim. a	Dim. b	Dim. c	For	Item no.	Item no.
uncoated	7.5 mm	12.5 mm	1.0 mm	M 5	25322	25342
uncoated	11.5 mm	19.5 mm	1.5 mm	M 8	25324	25344
uncoated	15.5 mm	27.5 mm	1.5 mm	M 12	25326	25346
uncoated	19.5 mm	35.5 mm	1.5 mm	M 16	25328	25348
uncoated	23.5 mm	43.5 mm	1.5 mm	M 20	25330	25350
uncoated	29.5 mm	53.6 mm	2.4 mm	M 24	25332	25352
uncoated	35.5 mm	65.6 mm	2.4 mm	M 30	25334	25354

### 2 Square U, uncoated aluminium

Packaging: loose				1.00 m	2.50 m
Colour	Dim. a	Dim. b		Item no.	Item no.
uncoated	7.5 mm	1.0 mm		25402	25422
uncoated	11.5 mm	1.5 mm		25404	25424
uncoated	15.5 mm	1.5 mm		25406	25426
uncoated	19.5 mm	1.5 mm		25408	25428
uncoated	23.5 mm	1.5 mm		25410	25430
uncoated	29.5 mm	2.4 mm		25412	25432
uncoated	35.5 mm	2.4 mm		25414	25434
Anodized aluminium	Packaging: shrink-wrapped			1.00 m	2.50 m
silver	23.5 mm	1.5 mm		25411	25431
Powder-coated aluminium				1.00 m	2.50 m
brilliant-white	7.5 mm	1.0 mm		21402	21422
brilliant-white	11.5 mm	1.5 mm		21404	21424
brilliant-white	15.5 mm	1.5 mm		21406	21426
brilliant-white	23.5 mm	1.5 mm		21410	21430

## combitech® system profiles · Aluminium



### 1 Rectangular U, uncoated aluminium

**Packaging:** loose 1.00 m    2.50 m

Colour	Dim. a	Dim. b	Dim. c	Item no.	Item no.
uncoated	7.5 mm	12.5 mm	1.0 mm	25482	25502
uncoated	11.5 mm	19.5 mm	1.5 mm	25484	25504
uncoated	15.5 mm	27.5 mm	1.5 mm	25486	25506
uncoated	19.5 mm	35.5 mm	1.5 mm	25488	25508
uncoated	23.5 mm	43.5 mm	1.5 mm	25490	25510
uncoated	29.5 mm	53.6 mm	2.4 mm	25492	25512
uncoated	35.5 mm	65.6 mm	2.4 mm	25494	25514

**Powder-coated aluminium Packaging:** shrink-wrapped 1.00 m    2.50 m

brilliant-white	11.5 mm	19.5 mm	1.5 mm	21484	21504
brilliant-white	15.5 mm	27.5 mm	1.5 mm	21486	21506
brilliant-white	19.5 mm	35.5 mm	1.5 mm	21488	21508

### 2 Angle, equal-sided, uncoated aluminium

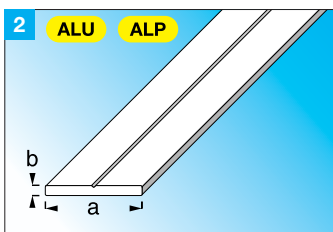
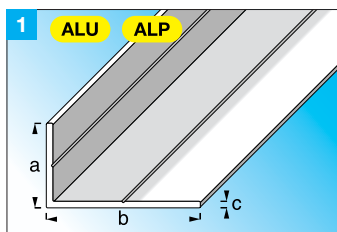
**Packaging:** loose 1.00 m    2.50 m

Colour	Dim. a	Dim. b	Item no.	Item no.
uncoated	7.5 mm	1.0 mm	25562	25582
uncoated	11.5 mm	1.5 mm	25564	25584
uncoated	15.5 mm	1.5 mm	25566	25586
uncoated	19.5 mm	1.5 mm	25568	25588
uncoated	23.5 mm	1.5 mm	25570	25590
uncoated	29.5 mm	2.4 mm	25572	25592
uncoated	35.5 mm	2.4 mm	25574	25594

**Powder-coated aluminium Packaging:** shrink-wrapped 1.00 m    2.50 m

brilliant-white	15.5 mm	1.5 mm	21566	21586
brilliant-white	19.5 mm	1.5 mm	21568	21588
brilliant-white	23.5 mm	1.5 mm	21570	21590
brilliant-white	29.5 mm	2.4 mm	21572	21592

## combitech® system profiles · Aluminium



### 1 Angle, unequal-sided, uncoated aluminium

Packaging: loose				1.00 m	2.50 m
Colour	Dim. a	Dim. b	Dim. c	Item no.	Item no.
uncoated	7.5 mm	12.5 mm	1.0 mm	25642	25662
uncoated	11.5 mm	19.5 mm	1.5 mm	25644	25664
uncoated	15.5 mm	27.5 mm	1.5 mm	25646	25666
uncoated	19.5 mm	35.5 mm	1.5 mm	25648	25668
uncoated	23.5 mm	43.5 mm	1.5 mm	25650	25670
uncoated	29.5 mm	53.6 mm	2.4 mm	25652	25672
uncoated	35.5 mm	65.6 mm	2.4 mm	25654	25674

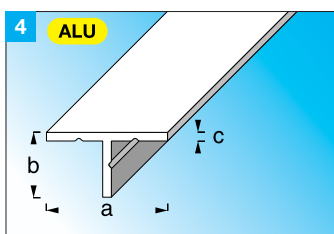
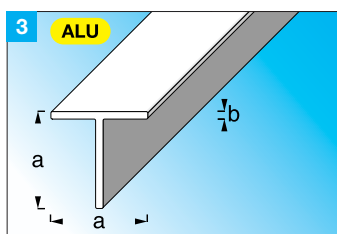
Powder-coated aluminium Packaging: shrink-wrapped				1.00 m	2.50 m
brilliant-white	15.5 mm	27.5 mm	1.5 mm	21646	21666
brilliant-white	19.5 mm	35.5 mm	1.5 mm	21648	21668
brilliant-white	23.5 mm	43.5 mm	1.5 mm	21650	21670

### 2 Flat bar, uncoated aluminium

Packaging: loose				1.00 m	2.50 m
Colour	Dim. a	Dim. b	Item no.	Item no.	
uncoated	7.5 mm	1.5 mm	25802	25822	
uncoated	11.5 mm	2.0 mm	25804	25824	
uncoated	15.5 mm	2.0 mm	25806	25826	
uncoated	19.5 mm	2.0 mm	25808	25828	
uncoated	23.5 mm	2.0 mm	25810	25830	
uncoated	29.5 mm	3.0 mm	25812	25832	
uncoated	35.5 mm	3.0 mm	25814	25834	

Powder-coated aluminium Packaging: shrink-wrapped				1.00 m	2.50 m
brilliant-white	15.5 mm	2.0 mm	21806	21826	
brilliant-white	19.5 mm	2.0 mm	21808	21828	
brilliant-white	23.5 mm	2.0 mm	21810	21830	

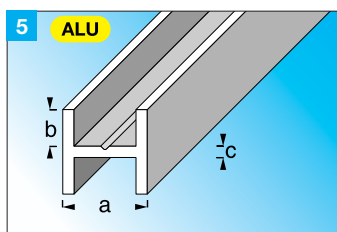
## combitech® system profiles · Aluminium



<b>2 Flat bar, powder-coated aluminium</b>		1.00 m	2.50 m
Colour	Dim. a	Dim. b	Item no.
brilliant-white	29.5 mm	3.0 mm	21812
brilliant-white	35.5 mm	3.0 mm	21814

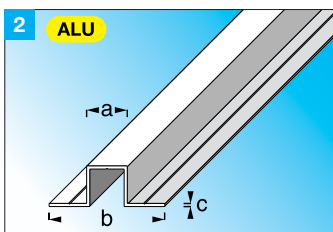
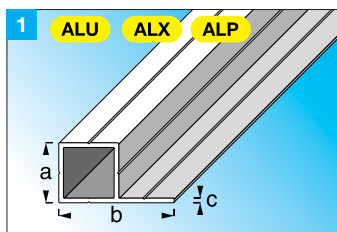
<b>3 Square T, uncoated aluminium</b>		1.00 m	2.50 m
Colour	Dim. a	Dim. b	Item no.
uncoated	7.5 mm	1.0 mm	25722
uncoated	11.5 mm	1.5 mm	25724
uncoated	15.5 mm	1.5 mm	25726
uncoated	19.5 mm	1.5 mm	25728

<b>4 T-profile, uncoated aluminium</b>		1,00 m	
Colour	Dim. a	Dim. b	Dim. c
uncoated	14.0 mm	7.5 mm	1.0 mm



<b>5 Square H, uncoated aluminium</b>		1.00 m	2.50 m
Colour	Dim. a	Dim. b	Dim. c
uncoated	7.5 mm	3.25 mm	1.0 mm
uncoated	23.5 mm	11.5 mm	1.5 mm

## combitech® system profiles · Aluminium



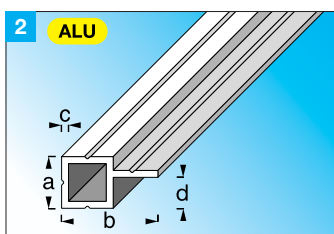
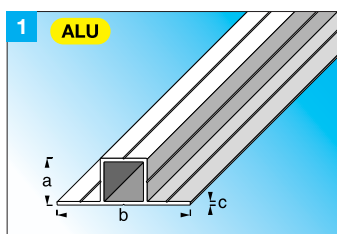
### 1 Square tube, 1 branch, uncoated aluminium

Packaging: loose					1.00 m	2.50 m
Colour	Dim. a	Dim. b	Dim. c	For	Item no.	Item no.
uncoated	7.5 mm	14.0 mm	1.0 mm	M 5	25882	25902
uncoated	11.5 mm	21.5 mm	1.5 mm	M 8	25884	25904
uncoated	15.5 mm	29.5 mm	1.5 mm	M 12	25886	25906
uncoated	19.5 mm	37.5 mm	1.5 mm	M 16	25888	25908
uncoated	23.5 mm	45.5 mm	1.5 mm	M 20	25890	25910
uncoated	29.5 mm	56.6 mm	2.4 mm	M 24	25892	25912
uncoated	35.5 mm	68.6 mm	2.4 mm	M 30	25894	25914
Anodized aluminium		Packaging: shrink-wrapped			1.00 m	2.50 m
silver	23.5 mm	45.5 mm	1.5 mm	M 20	25891	25911
Powder-coated aluminium					1.00 m	2.50 m
brilliant-white	23.5 mm	45.5 mm	1.5 mm	M 20	21890	21910

### 2 Square U, 2 branches 180°, uncoated aluminium

Packaging: loose					1.00 m	2.50 m
Colour	Dim. a	Dim. b	Dim. c	Item no.	Item no.	
uncoated	7.5 mm	20.5 mm	1.0 mm	25962	25982	
uncoated	11.5 mm	31.5 mm	1.5 mm	25964	25984	
uncoated	15.5 mm	43.5 mm	1.5 mm	25966	25986	
uncoated	19.5 mm	55.5 mm	1.5 mm	25968	25988	
uncoated	23.5 mm	67.5 mm	1.5 mm	25970	25990	
uncoated	29.5 mm	83.7 mm	2.4 mm	25972	25992	
uncoated	35.5 mm	101.7 mm	2.4 mm	25974	25994	

## combitech® system profiles · Aluminium

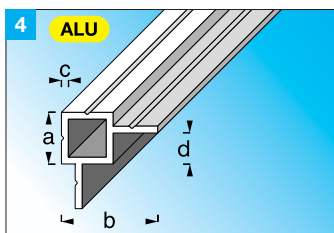
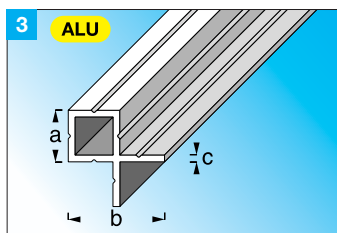


### 1 Square tube, 2 branches 180°, uncoated aluminium

Packaging: loose					1.00 m	2.50 m
Colour	Dim. a	Dim. b	Dim. c	For	Item no.	Item no.
uncoated	7.5 mm	20.5 mm	1.0 mm	M 5	28669	
uncoated	23.5 mm	67.5 mm	1.5 mm	M 20	26090	26110

### 2 Square tube, 1 branch offset, uncoated aluminium

Packaging: loose					1.00 m	2.50 m	
Colour	Dim. a	Dim. b	Dim. c	Dim. d	For	Item no.	Item no.
uncoated	7.5 mm	14.0 mm	1.0 mm	4.5 mm	M 5	28672	
uncoated	23.5 mm	45.5 mm	1.5 mm	19.5 mm	M 20	28701	28721



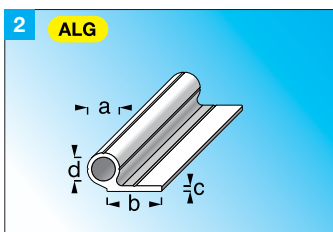
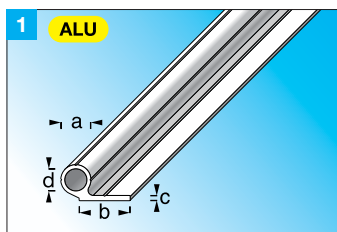
### 3 Square tube, 2 branches inside, uncoated aluminium

Packaging: loose					1.00 m	2.50 m
Colour	Dim. a	Dim. b	Dim. c	For	Item no.	Item no.
uncoated	7.5 mm	14.0 mm	1.0 mm	M 5	25922	
uncoated	23.5 mm	43.5 mm	1.5 mm	M 20	25930	25950

### 4 Square tube, 2 branches offset, uncoated aluminium

Packaging: loose					1.00 m	2.50 m	
Colour	Dim. a	Dim. b	Dim. c	Dim. d	For	Item no.	Item no.
uncoated	7.5 mm	14.0 mm	1.0 mm	4.5 mm	M 5	26002	
uncoated	23.5 mm	45.5 mm	1.5 mm	19.5 mm	M 20	26010	26030

## combitech® system profiles · Aluminium



### 1 Tube, 1 short branch, uncoated aluminium

Packaging: loose

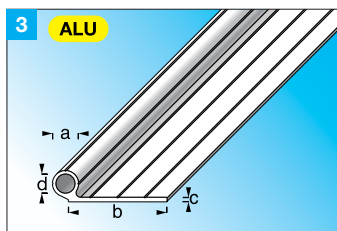
1.00 m

Colour	Dim. a	Dim. b	Dim. c	Dim. d	For	Item no.
uncoated	7.5 mm	12.5 mm	1.5 mm	5.5 mm	M 5	26062
uncoated	11.5 mm	19.5 mm	2.0 mm	8.5 mm	M 8	26064
uncoated	15.5 mm	27.5 mm	2.5 mm	12.5 mm	M 12	26066
uncoated	19.5 mm	35.5 mm	3.0 mm	16.5 mm	M 16	26068

### 2 Tube, 1 short branch, vibratory finishing, uncoated aluminium

Packaging: SS bag cont. 2 pcs.

Length	Colour	Dim. a	Dim. b	Dim. c	Dim. d	For	Item no.
19.5 mm	vibrat.*	7.5 mm	12.5 mm	1.5 mm	5.5 mm	M 5	26042
27.5 mm	vibrat.*	11.5 mm	19.5 mm	2.0 mm	8.5 mm	M 8	26044
35.5 mm	vibrat.*	15.5 mm	27.5 mm	2.5 mm	12.5 mm	M 12	26046
43.5 mm	vibrat.*	19.5 mm	35.5 mm	3.0 mm	16.5 mm	M 16	26048



### 3 Tube, 1 long branch, uncoated aluminium

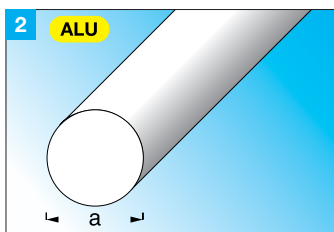
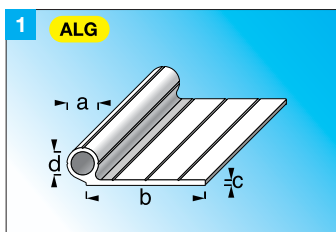
Packaging: loose

1.00 m

Colour	Dim. a	Dim. b	Dim. c	Dim. d	For	Item no.
uncoated	11.5 mm	43.5 mm	2.0 mm	8.5 mm	M 8	26144
uncoated	19.5 mm	65.5 mm	3.0 mm	16.5 mm	M 16	26148

\*vibratory finishing

## combitech® system profiles · Aluminium



### 1 Tube, 1 long branch, vibratory finishing, uncoated aluminium

Packaging: SS bag cont. 2 pcs.

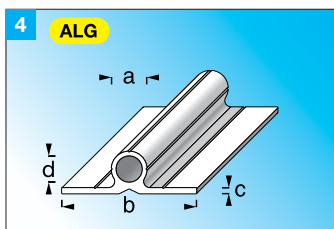
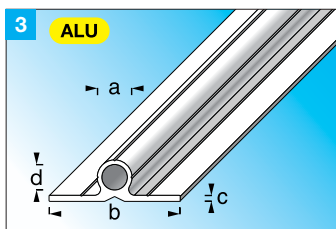
Length	Colour	Dim. a	Dim. b	Dim. c	Dim. d	For	Item no.
27.5 mm	vibrat.*	11.5 mm	43.5 mm	2.0 mm	8.5 mm	M 8	26124
43.5 mm	vibrat.*	19.5 mm	65.6 mm	3.0 mm	16.5 mm	M 16	26128

### 2 Round bar, uncoated aluminium

Packaging: loose

1.00 m

Colour	Dim. a	Item no.
uncoated	5.3 mm	28668



### 3 Tube, 2 branches 180°, uncoated aluminium

Packaging: loose

1.00 m

Colour	Dim. a	Dim. b	Dim. c	Dim. d	For	Item no.
uncoated	11.5 mm	43.5 mm	2.0 mm	8.5 mm	M 8	26224
uncoated	19.5 mm	65.5 mm	3.0 mm	16.5 mm	M 16	26228

### 4 Tube, 2 branches 180°, vibratory finishing, uncoated aluminium

Packaging: SS bag cont. 2 pcs.

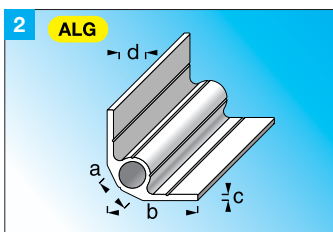
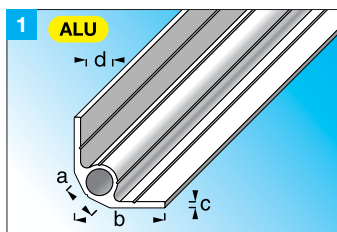
Length	Colour	Dim. a	Dim. b	Dim. c	Dim. d	For	Item no.
27.5 mm	vibrat.*	11.5 mm	43.5 mm	2.0 mm	8.5 mm	M 8	26204

Packaging: SS bag cont. 1 pc.

43.5 mm	vibrat.*	19.5 mm	65.5 mm	3.0 mm	16.5 mm	M 16	26208
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\*vibratory finishing

## combitech® system profiles · Aluminium



### 1 Tube, 2 branches 90°, uncoated aluminium

Packaging: loose 1.00 m

Colour	Dim. a	Dim. b	Dim. c	Dim. d	For	Item no.
uncoated	11.5 mm	28.8 mm	2.0 mm	8.5 mm	M 8	26304
uncoated	19.5 mm	51.8 mm	3.0 mm	16.5 mm	M 16	26308

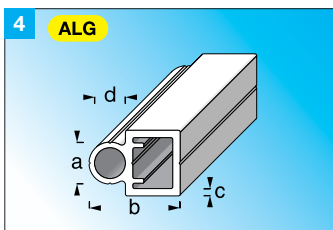
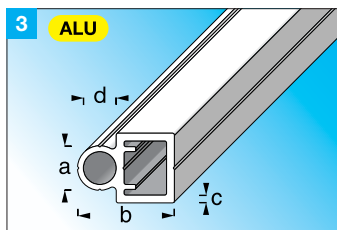
### 2 Tube, 2 branches 90°, vibratory finishing, uncoated aluminium

Packaging: SS bag cont. 2 pcs.

Length	Colour	Dim. a	Dim. b	Dim. c	Dim. d	For	Item no.
27.5 mm	vibrat.*	11.5 mm	28.5 mm	2.0 mm	8.5 mm	M 8	26284

Packaging: SS bag cont. 1 pc.

43.5 mm	vibrat.*	19.5 mm	51.5 mm	3.0 mm	16.5 mm	M 16	26288
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### 3 Tube-tube 90°, uncoated aluminium

Packaging: loose 1.00 m

Colour	Dim. a	Dim. b	Dim. c	Dim. d	For	Item no.
uncoated	11.5 mm	25.0 mm	1.5 mm	8.5 mm	M 8	26544

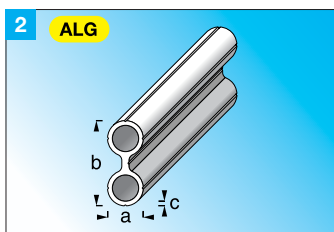
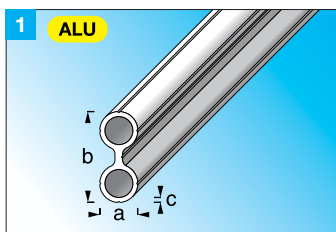
### 4 Tube-tube 90°, vibratory finishing, uncoated aluminium

Packaging: SS bag cont. 2 pcs.

Length	Colour	Dim. a	Dim. b	Dim. c	Dim. d	For	Item no.
27.5 mm	vibrat.*	11.5 mm	25.0 mm	1.5 mm	8.5 mm	M 8	26524

\*vibratory finishing

## combitech® system profiles · Aluminium



### 1 Double tube, uncoated aluminium

**Packaging:** loose 1.00 m

Colour	Dim. a	Dim. b	Dim. c	For	Item no.
uncoated	11.5 mm	27.5 mm	1.5 mm	M 8	26384
uncoated	19.5 mm	49.5 mm	1.5 mm	M 16	26388

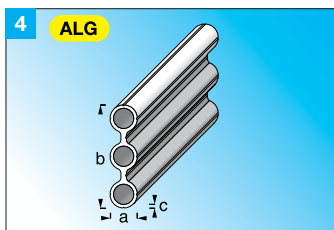
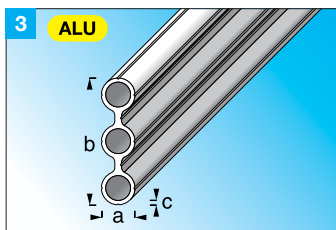
### 2 Double tube, vibratory finishing, uncoated aluminium

**Packaging:** SS bag cont. 2 pcs.

Length	Colour	Dim. a	Dim. b	Dim. c	For	Item no.
27.5 mm	vibrat.*	11.5 mm	27.5 mm	1.5 mm	M 8	26364

**Packaging:** SS bag cont. 1 pc.

43.5 mm	vibrat.*	19.5 mm	49.5 mm	1.5 mm	M 16	26368
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### 3 Triple tube, uncoated aluminium

**Packaging:** loose 1.00 m

Colour	Dim. a	Dim. b	Dim. c	For	Item no.
uncoated	11.5 mm	43.5 mm	1.5 mm	M 8	26464

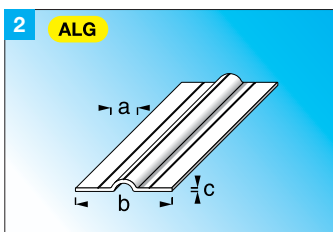
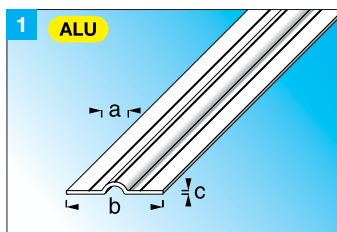
### 4 Triple tube, vibratory finishing, uncoated aluminium

**Packaging:** SS bag cont. 2 pcs.

Length	Colour	Dim. a	Dim. b	Dim. c	For	Item no.
27.5 mm	vibrat.*	11.5 mm	43.5 mm	1.5 mm	M 8	26444

\*vibratory finishing

## combitech® system profiles · Aluminium



### 1 Short tube sleeve, uncoated aluminium

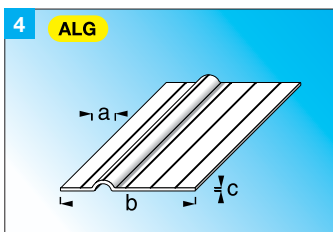
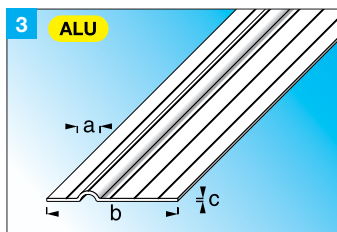
Packaging: loose 1.00 m

Colour	Dim. a	Dim. b	Dim. c	For	Item no.
uncoated	11.5 mm	41.5 mm	1.5 mm	M 8	26624
uncoated	19.5 mm	73.5 mm	1.5 mm	M 16	26628

### 2 Short tube sleeve, vibratory finishing, uncoated aluminium

Packaging: SS bag cont. 2 pcs.

Length	Colour	Dim. a	Dim. b	Dim. c	For	Item no.
27.5 mm	vibrat.*	11.5 mm	41.5 mm	1.5 mm	M 8	26604
43.5 mm	vibrat.*	19.5 mm	73.5 mm	1.5 mm	M 16	26608



### 3 Long tube sleeve, uncoated aluminium

Packaging: loose 1.00 m

Colour	Dim. a	Dim. b	Dim. c	For	Item no.
uncoated	11.5 mm	65.5 mm	1.5 mm	M 8	26704
uncoated	19.5 mm	103.6 mm	1.5 mm	M 16	26708

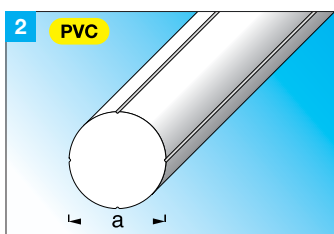
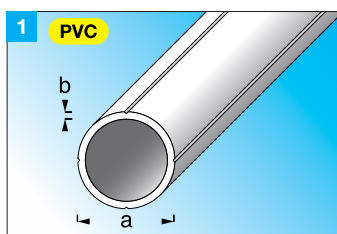
### 4 Long tube sleeve, vibratory finishing, uncoated aluminium

Packaging: SS bag cont. 2 pcs.

Length	Colour	Dim. a	Dim. b	Dim. c	For	Item no.
27.5 mm	vibrat.*	11.5 mm	65.5 mm	1.5 mm	M 8	26684
43.5 mm	vibrat.*	19.5 mm	103.6 mm	1.5 mm	M 16	26688

\*vibratory finishing

## combitech® system profiles · Plastic (hard PVC)



### 1 Round tube, plastic (hard PVC)

Packaging: loose				1.00 m	2.50 m
Colour	Dim. a	Dim. b	For	Item no.	Item no.
white	7.5 mm	1.0 mm	M 5	21042	21062
white	11.5 mm	1.5 mm	M 8	21044	21064
white	15.5 mm	1.5 mm	M 12	21046	21066
white	19.5 mm	1.5 mm	M 16	21048	21068
white	23.5 mm	1.5 mm	M 20	21050	21070
white	29.5 mm	2.4 mm	M 24	21052	21072
white	35.5 mm	2.4 mm	M 30	21054	21074

### 2 Round bar, plastic (hard PVC)

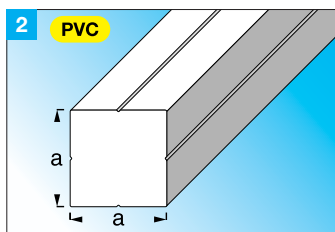
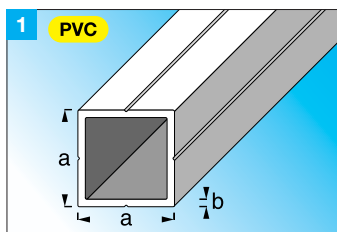
Packaging: loose			1.00 m	2.50 m
Colour	Dim. a		Item no.	Item no.
white	7.5 mm		21122	21142
white	11.5 mm		21124	21144
white	15.5 mm		21126	21146
white	19.5 mm		21128	21148



#### User tips

If you want to insert a screw into the hole of a round tube, whether it is aluminium or plastic, you can make a thread there with a thread cutter and screw in a metric screw. You also have the option of inserting a suitable plastic plug and screwing in a wood screw that fits.

## combitech® system profiles · Plastic (hard PVC)



### 1 Square tube, plastic (hard PVC)

Packaging: loose

1.00 m

2.50 m

Colour	Dim. a	Dim. b	For	Item no.	Item no.
white	7.5 mm	1.0 mm	M 5	21202	21222
white	11.5 mm	1.5 mm	M 8	21204	21224
white	15.5 mm	1.5 mm	M 12	21206	21226
white	19.5 mm	1.5 mm	M 16	21208	21228
white	23.5 mm	1.5 mm	M 20	21210	21230
white	29.5 mm	2.4 mm	M 24	21212	21232
white	35.5 mm	2.4 mm	M 30	21214	21234

### 2 Square rod, plastic (hard PVC)

Packaging: loose

1.00 m

2.50 m

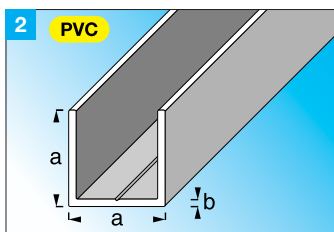
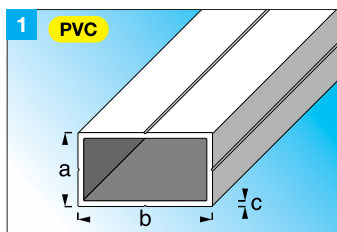
Colour	Dim. a	Item no.	Item no.
white	7.5 mm	21282	21302
white	11.5 mm	21284	21304
white	15.5 mm	21286	21306
white	19.5 mm	21288	21308



#### User tips

With a suitable plastic adhesive, available in any DIY shop, you can easily glue plastic profiles together.

## combitech® system profiles · Plastic (hard PVC)



### 1 Rectangular tube, plastic (hard PVC)

Packaging: loose					1.00 m	2.50 m
Colour	Dim. a	Dim. b	Dim. c	For	Item no.	Item no.
white	7.5 mm	12.5 mm	1.0 mm	M 5	21362	21382
white	11.5 mm	19.5 mm	1.5 mm	M 8	21364	21384
white	15.5 mm	27.5 mm	1.5 mm	M 12	21366	21386
white	19.5 mm	35.5 mm	1.5 mm	M 16	21368	21388
white	23.5 mm	43.5 mm	1.5 mm	M 20	21370	21390
white	29.5 mm	53.6 mm	2.4 mm	M 24	21372	21392
white	35.5 mm	65.6 mm	2.4 mm	M 30	21374	21394

### 2 Square U, plastic (hard PVC)

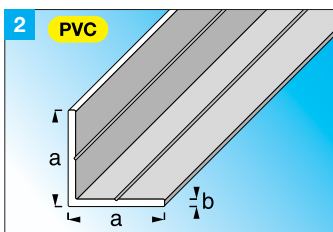
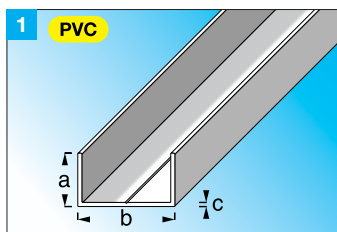
Packaging: loose				1.00 m	2.50 m
Colour	Dim. a	Dim. b		Item no.	Item no.
white	7.5 mm	1.0 mm		21442	21462
white	11.5 mm	1.5 mm		21444	21464
white	15.5 mm	1.5 mm		21446	21466
white	19.5 mm	1.5 mm		21448	21468
white	23.5 mm	1.5 mm		21450	21470
white	29.5 mm	2.4 mm		21452	21472
white	35.5 mm	2.4 mm		21454	21474



#### User tips

Plastic profiles can easily be cleaned with a cloth and detergent or with special plastic cleaner. Harsh agents such as nitro thinners or acetone should be avoided because these damage the surface.

## combitech® system profiles · Plastic (hard PVC)



### 1 Rectangular U, plastic (hard PVC)

Packaging: loose

1.00 m 2.50 m

Colour	Dim. a	Dim. b	Dim. c	Item no.	Item no.
white	7.5 mm	12.5 mm	1.0 mm	21522	21542
white	11.5 mm	19.5 mm	1.5 mm	21524	21544
white	15.5 mm	27.5 mm	1.5 mm	21526	21546
white	19.5 mm	35.5 mm	1.5 mm	21528	21548
white	23.5 mm	43.5 mm	1.5 mm	21530	21550
white	29.5 mm	53.6 mm	2.4 mm	21532	21552
white	35.5 mm	65.6 mm	2.4 mm	21534	21554

### 2 Angle, equal-sided, plastic (hard PVC)

Packaging: loose

1.00 m 2.50 m

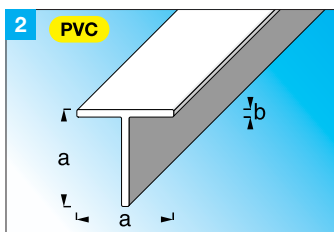
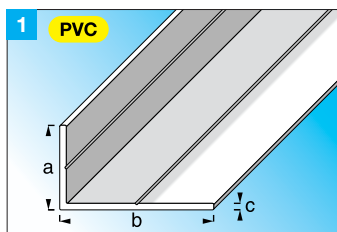
Colour	Dim. a	Dim. b	Item no.	Item no.
white	7.5 mm	1.0 mm	21602	21622
white	11.5 mm	1.5 mm	21604	21624
white	15.5 mm	1.5 mm	21606	21626
white	19.5 mm	1.5 mm	21608	21628
white	23.5 mm	1.5 mm	21610	21630
white	29.5 mm	2.4 mm	21612	21632
white	35.5 mm	2.4 mm	21614	21634



#### User tips

With plastic profiles, care should be taken that they are only used to a limited extent outdoors, as they become brittle over time due to UV rays.

## combitech® system profiles · Plastic (hard PVC)



### 1 Angle, unequal-sided, plastic (hard PVC)

Packaging: loose			1.00 m	2.50 m	
Colour	Dim. a	Dim. b	Dim. c	Item no.	Item no.
white	7.5 mm	12.5 mm	1.0 mm	21682	21702
white	11.5 mm	19.5 mm	1.5 mm	21684	21704
white	15.5 mm	27.5 mm	1.5 mm	21686	21706
white	19.5 mm	35.5 mm	1.5 mm	21688	21708
white	23.5 mm	43.5 mm	1.5 mm	21690	21710
white	29.5 mm	53.6 mm	2.4 mm	21692	21712
white	35.5 mm	65.6 mm	2.4 mm	21694	21714

### 2 Square T, plastic (hard PVC)

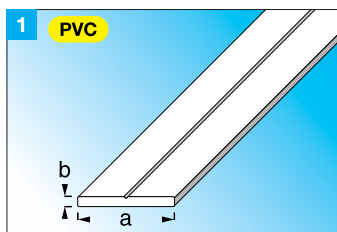
Packaging: loose			1.00 m	2.50 m
Colour	Dim. a	Dim. b	Item no.	Item no.
white	7.5 mm	1.0 mm	21762	21782
white	11.5 mm	1.5 mm	21764	21784
white	15.5 mm	1.5 mm	21766	21786
white	19.5 mm	1.5 mm	21768	21788



#### User tips

Plastic profiles are easy to saw or drill. The drill alignment groove naturally lends itself to drilling, as this prevents slippage when drilling. If you heat up a plastic tube with a hairdryer, for example, it can be easily bent.

## combitech® system profiles · Plastic (hard PVC)



### 1 Flat bar, plastic (hard PVC)

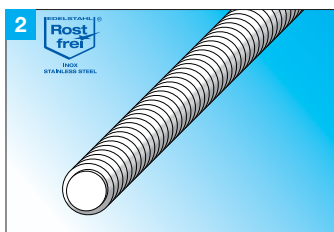
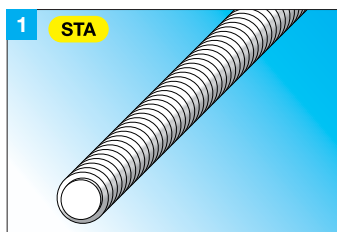
Packaging: loose			1.00 m	2.50 m
Colour	Dim. a	Dim. b	Item no.	Item no.
white	7.5 mm	1.5 mm	21842	21862
white	11.5 mm	2.0 mm	21844	21864
white	15.5 mm	2.0 mm	21846	21866
white	19.5 mm	2.0 mm	21848	21868
white	23.5 mm	2.0 mm	21850	21870
white	29.5 mm	3.0 mm	21852	21872
white	35.5 mm	3.0 mm	21854	21874



### User tips

With a suitable plastic adhesive, available in any DIY shop, you can easily glue plastic profiles together.

## combitech® system · Metric threaded rods



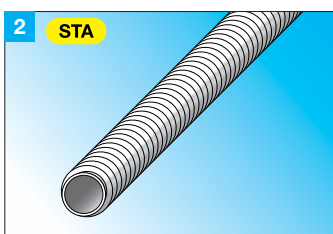
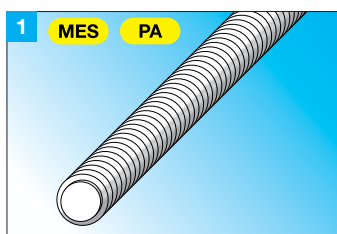
### 1 Metric threaded rod, galvanized steel

Packaging: loose		1.00 m	2.00 m
Colour	Dim.	Item no.	Item no.
galvanized	M 3	30000	
galvanized	M 4	30001	
galvanized	M 5	30002	
galvanized	M 6	30003	
galvanized	M 7	30707	
galvanized	M 8	30004	30014
galvanized	M 10	30005	30015
galvanized	M 12	30006	30016
galvanized	M 14	30007	
galvanized	M 16	30008	30018
galvanized	M 18	30718	
galvanized	M 20	30009	30019

### 2 Metric threaded rod, Stainless steel V2A

Packaging: loose		1.00 m
Colour	Dim.	Item no.
stainless steel	M 3	30020
stainless steel	M 4	30021
stainless steel	M 5	30022
stainless steel	M 6	30023
stainless steel	M 8	30024
stainless steel	M 10	30025
stainless steel	M 12	30026
stainless steel	M 16	30028
stainless steel	M 20	30029

## combitech® system · Metric threaded rods



### 1 Metric threaded rod, solid brass

**Packaging:** loose 1.00 m

Colour	Dim.	Item no.
brass	M 3	30030
brass	M 4	30031
brass	M 5	30032
brass	M 6	30033
brass	M 8	30034
brass	M 10	30035
brass	M 12	30036

### 1 Metric threaded rod, plastic (PA)

**Packaging:** loose 1.00 m

Colour	Dim.	Item no.
white	M 5	30042
white	M 6	30043
white	M 8	30044

### 2 Metric threaded pipe, galvanized steel

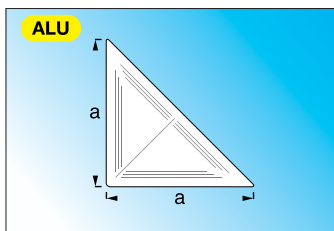
**Packaging:** loose 1.00 m

Colour	Dim.	Item no.
galvanized	M 10 x 1.0 mm	34801

### Polish Alu-Magic

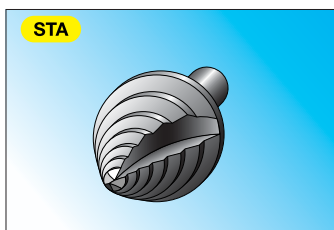
If the shine on the aluminium should fade, you can get help. Treated with the high shine polish Alu-Magic, uncoated aluminium is given a brilliant chrome effect. Also suitable for copper, stainless steel, brass, etc. Lasting protection against oxidation. (Fig. 3, Page 29)

## combitech® system · Accessories



### 1 Gusset, uncoated aluminium

Colour	Dim. a	Packaging	Item no.
uncoated	60.0 mm	SS bag cont. 4 pcs.	29796
uncoated	110.0 mm	SS bag cont. 2 pcs.	29797
uncoated	160.0 mm	SS bag cont. 1 pc.	29798



### 2 Step drill, steel/HSS

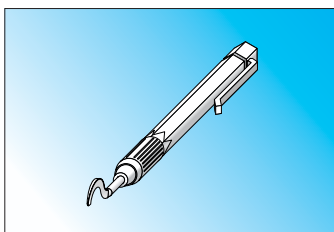
For hole dimensions	Packaging	Item no.
4.8 / 7.7 / 11.7 / 15.7 / 19.7 / 23.7 / 29.7	clap-pac	29799



### 3 Polish Alu-Magic

Contents	Packaging	Item no.
100 ml	SS bag cont. 1 pc.	30687

## combitech® system · Accessories

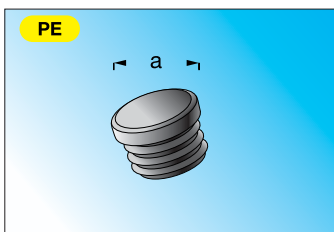


### 1 Universal deburrer

Colour	Packaging	Item no.
blue	SS bag cont. 1 pc.	28661

### Universal deburrer

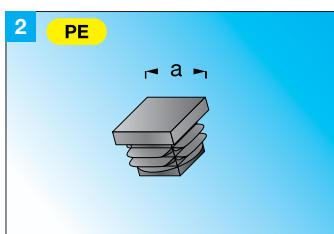
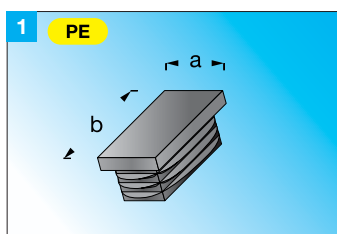
With the universal deburrer you can safely and easily deburr the sharp edges from saw cuts. If you deburr the inside edges of square tubes, you can insert the connect connectors more easily. Deburred edges prevent injuries.



### 2 End cap, round, plastic (PE)

Colour	Dim. a	Packaging	Item no.
black	11.5 mm	SS bag cont. 4 pcs.	29804
black	15.5 mm	SS bag cont. 2 pcs.	29806
black	19.5 mm	SS bag cont. 2 pcs.	29808
black	23.5 mm	SS bag cont. 2 pcs.	29810
black	29.5 mm	SS bag cont. 2 pcs.	29812
black	35.5 mm	SS bag cont. 2 pcs.	29814

## combitech® system · Accessories

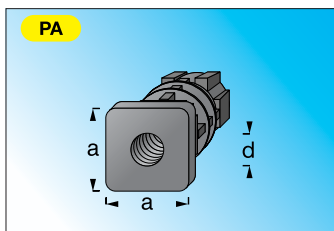


### 1 End cap, rectangular, plastic (PE)

Colour	Dim. a	Dim. b	Packaging	Item no.
black	19.5 mm	35.5 mm	SS bag cont. 2 pcs.	29848

### 2 End cap, square, plastic (PE)

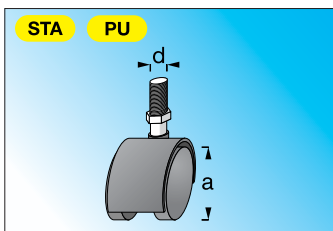
Colour	Dim. a	Packaging	Item no.
black	11.5 mm	SS bag cont. 4 pcs.	29824
black	15.5 mm	SS bag cont. 2 pcs.	29826
black	19.5 mm	SS bag cont. 2 pcs.	29828
black	23.5 mm	SS bag cont. 2 pcs.	29830
black	29.5 mm	SS bag cont. 2 pcs.	29832
black	35.5 mm	SS bag cont. 2 pcs.	29834



### 3 Threaded plug, plastic (PA)

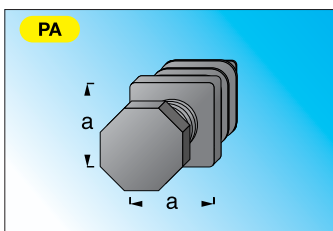
Colour	Dim. a	Dim. d	Packaging	Item no.
black	23.5 mm	M 10	SS bag cont. 2 pcs.	30383

## combitech® system · Accessories



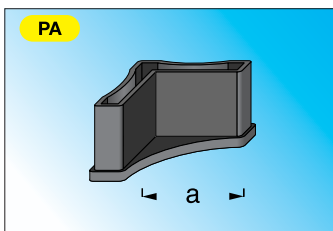
### 1 Furniture roller, steel/plastic (PU)

Colour	Dim. a	Dim. d	Type	Packaging	Item no.
black	40.0 mm	M 10	hard	loose	30385
black	40.0 mm	M 10	soft	loose	30386



### 2 Adjustable foot, plastic (PA)

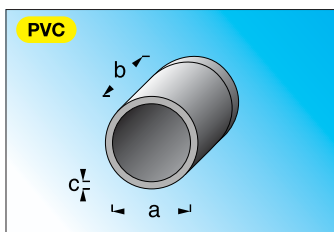
Colour	Dim. a	Packaging	Item no.
black	23.5 mm	SS bag cont. 2 pcs.	30384



### 3 Shelf unit foot, plastic (PA)

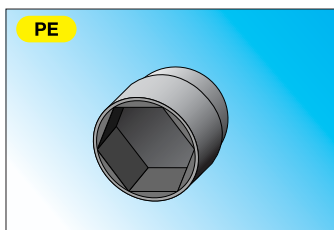
Colour	Dim. a	Packaging	Item no.
black	23.5 mm	SS bag cont. 2 pcs.	39490
black	35.5 mm	SS bag cont. 2 pcs.	39491

## combitech® system · Accessories



### 1 Rubber cap, plastic (soft-PVC)

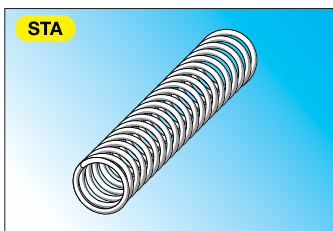
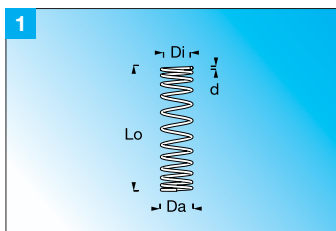
Colour	For	Dim. a	Dim. b	Dim. c	Packaging	Item no.
black	M 5	4.5 mm	10.0 mm	1.2 mm	SS bag cont. 6 pcs.	30052
black	M 6	5.5 mm	10.0 mm	1.2 mm	SS bag cont. 6 pcs.	30053
black	M 8	7.5 mm	15.0 mm	1.2 mm	SS bag cont. 4 pcs.	30054
black	M 10	9.5 mm	20.0 mm	1.2 mm	SS bag cont. 4 pcs.	30055
black	M 12	11.5 mm	20.0 mm	1.2 mm	SS bag cont. 2 pcs.	30056
black	M 16	15.5 mm	30.0 mm	1.2 mm	SS bag cont. 2 pcs.	30058
black	M 20	19.5 mm	30.0 mm	1.2 mm	SS bag cont. 2 pcs.	30059



### 2 Hexagon cap, plastic (PE)

Colour	For	Wrench size	Packaging	Item no.
black	M 5	8	SS bag cont. 6 pcs.	30122
black	M 6	10	SS bag cont. 6 pcs.	30123
black	M 8	13	SS bag cont. 4 pcs.	30124
black	M 10	17	SS bag cont. 4 pcs.	30125
black	M 12	19	SS bag cont. 2 pcs.	30126
black	M 16	24	SS bag cont. 2 pcs.	30128
black	M 20	30	SS bag cont. 2 pcs.	30129

## combitech® system · Accessories



### 1 Compression spring

**Standard version in steel**

**Packaging:** SS bag cont. 2 pcs.

Dim.	Dim. d	Dim. Da	Dim. Di	Dim. Lo	Spring rate	Item no.
M 5	0.7 mm	7.5 mm	6.1 mm	35.8 mm	0.819 N/mm	29862
M 8	0.8 mm	10.8 mm	9.2 mm	66.0 mm	0.334 N/mm	29864
M 12	0.9 mm	15.0 mm	13.2 mm	59.7 mm	0.434 N/mm	29866

**Standard version in steel**

**Packaging:** SS bag cont. 1 pc.

M 16	1.25 mm	19.0 mm	16.5 mm	75.0 mm	0.523 N/mm	29868
M 20	1.6 mm	23.6 mm	20.4 mm	27.5 mm	1.254 N/mm	29870
M 24	1.6 mm	28.0 mm	24.8 mm	85.0 mm	0.660 N/mm	29872
M 30	1.5 mm	34.0 mm	31.0 mm	107.0 mm	0.273 N/mm	29874

**More powerful version in steel**

**Packaging:** SS bag cont. 2 pcs.

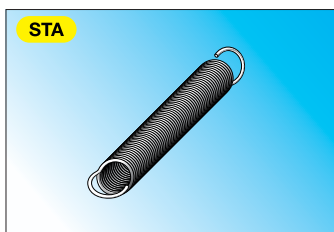
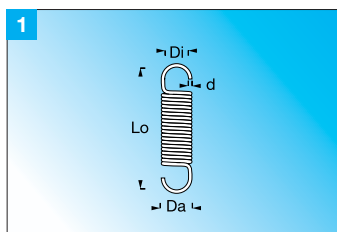
M 5	1.0 mm	7.3 mm	5.3 mm	30.5 mm	3.259 N/mm	29882
M 8	1.0 mm	11.0 mm	9.0 mm	67.0 mm	0.657 N/mm	29884
M 12	1.4 mm	15.0 mm	12.2 mm	65.3 mm	1.638 N/mm	29886

**More powerful version in steel**

**Packaging:** SS bag cont. 1 pc.

M 16	1.6 mm	19.8 mm	16.6 mm	104.0 mm	0.820 N/mm	29888
M 20	1.4 mm	24.0 mm	21.2 mm	93.0 mm	0.616 N/mm	29890
M 24	2.8 mm	30.0 mm	24.4 mm	70.7 mm	5.658 N/mm	29892
M 30	2.0 mm	34.0 mm	30.0 mm	120.0 mm	0.904 N/mm	29894

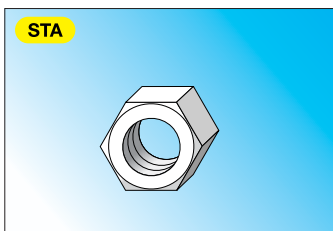
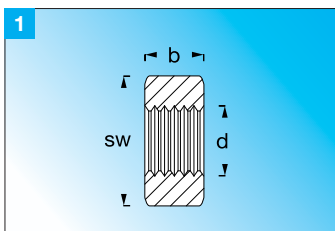
## combitech® system · Accessories



### 1 Tension spring

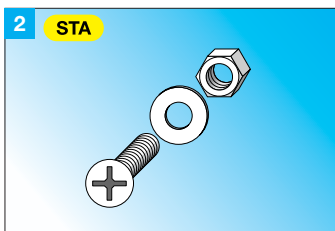
Standard version in steel			Packaging: SS bag cont. 2 pcs.			
Dim.	Dim. d	Dim. Da	Dim. Di	Dim. Lo	Spring rate	Item no.
M 5	0.45 mm	5.0 mm	4.1 mm	18.3 mm	0.181 N/mm	29902
M 8	0.5 mm	8.0 mm	7.0 mm	33.2 mm	0.036 N/mm	29904
M 12	0.8 mm	10.8 mm	9.2 mm	35.5 mm	0.170 N/mm	29906
Standard version in steel			Packaging: SS bag cont. 1 pc.			
M 16	1.0 mm	13.5 mm	11.5 mm	59.4 mm	0.132 N/mm	29908
M 20	1.25 mm	17.2 mm	14.7 mm	70.8 mm	0.168 N/mm	29910
M 24	1.6 mm	21.6 mm	18.4 mm	85.0 mm	0.249 N/mm	29912
M 30	2.0 mm	27.0 mm	23.0 mm	118.0 mm	0.264 N/mm	29914
More powerful version in steel			Packaging: SS bag cont. 2 pcs.			
M 5	0.8 mm	4.8 mm	3.2 mm	15.5 mm	5.670 N/mm	29922
M 8	0.8 mm	8.0 mm	6.4 mm	26.5 mm	0.604 N/mm	29924
M 12	1.0 mm	11.0 mm	9.0 mm	40.4 mm	0.416 N/mm	29926
More powerful version in steel			Packaging: SS bag cont. 1 pc.			
M 16	1.4 mm	15.0 mm	12.2 mm	55.9 mm	0.635 N/mm	29928
M 20	1.6 mm	17.6 mm	14.4 mm	64.6 mm	0.665 N/mm	29930
M 24	2.2 mm	24.0 mm	19.6 mm	88.6 mm	0.940 N/mm	29932
M 30	2.5 mm	27.5 mm	22.5 mm	101.0 mm	1.040 N/mm	29934

## combitech® system · Accessories



### 1 Hexagon nut, DIN 934, galvanized steel

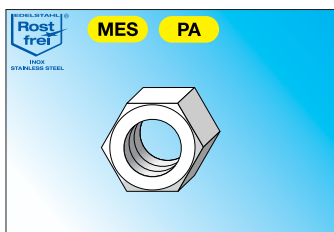
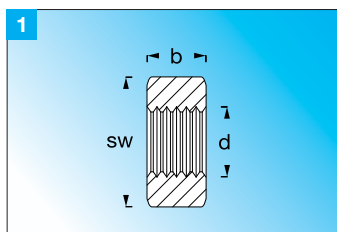
Dim. d	Dim. b	Wrench size	Packaging	Item no.
M 3	2.4 mm	5.5	SS bag cont. 10 pcs.	30060
M 4	3.2 mm	7	SS bag cont. 10 pcs.	30061
M 5	4.0 mm	8	SS bag cont. 6 pcs.	30062
M 6	5.0 mm	10	SS bag cont. 6 pcs.	30063
M 8	6.5 mm	13	SS bag cont. 4 pcs.	30064
M 10	8.0 mm	17	SS bag cont. 4 pcs.	30065
M 12	10.0 mm	19	SS bag cont. 2 pcs.	30066
M 14	11.0 mm	22	SS bag cont. 2 pcs.	30067
M 16	13.0 mm	24	SS bag cont. 2 pcs.	30068
M 20	16.0 mm	30	SS bag cont. 1 pc.	30069



### 2 Countersunk screw set, steel

Screw size	Packaging	Item no.
M 2 x 4.0 mm	SS bag cont. 20 pcs. each	28684
M 2 x 6.0 mm	SS bag cont. 20 pcs. each	28683
M 2 x 8.0 mm	SS bag cont. 20 pcs. each	28685

## combitech® system · Accessories



### 1 Hexagon nut, DIN 934, stainless steel V2A

Dim. d	Dim. b	Wrench size	Packaging	Item no.
M 3	2.4 mm	5.5	SS bag cont. 10 pcs.	30070
M 4	3.2 mm	7	SS bag cont. 10 pcs.	30071
M 5	4.0 mm	8	SS bag cont. 6 pcs.	30072
M 6	5.0 mm	10	SS bag cont. 6 pcs.	30073
M 8	6.5 mm	13	SS bag cont. 4 pcs.	30074
M 10	8.0 mm	17	SS bag cont. 4 pcs.	30075
M 12	10.0 mm	19	SS bag cont. 2 pcs.	30076
M 16	13.0 mm	24	SS bag cont. 2 pcs.	30078
M 20	16.0 mm	30	SS bag cont. 1 pc.	30079

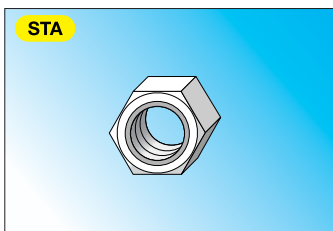
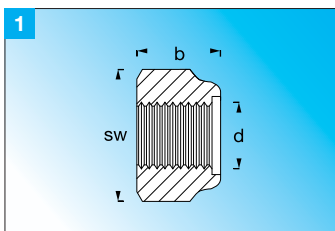
### 1 Hexagon nut, DIN 934, solid brass

Dim. d	Dim. b	Wrench size	Packaging	Item no.
M 3	2.4 mm	5.5	SS bag cont. 10 pcs.	30080
M 4	3.2 mm	7	SS bag cont. 10 pcs.	30081
M 5	4.0 mm	8	SS bag cont. 6 pcs.	30082
M 6	5.0 mm	10	SS bag cont. 6 pcs.	30083
M 8	6.5 mm	13	SS bag cont. 4 pcs.	30084
M 10	8.0 mm	17	SS bag cont. 4 pcs.	30085
M 12	10.0 mm	19	SS bag cont. 2 pcs.	30086

### 1 Hexagon nut, DIN 934, plastic (PA)

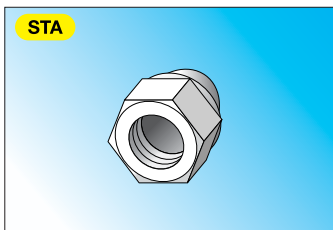
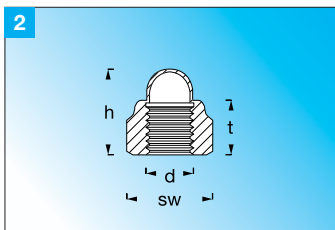
Dim. d	Dim. b	Wrench size	Packaging	Item no.
M 5	4.0 mm	8	SS bag cont. 6 pcs.	30092
M 6	5.0 mm	10	SS bag cont. 6 pcs.	30093
M 8	6.5 mm	13	SS bag cont. 4 pcs.	30094

## combitech® system · Accessories



### 1 Hexagon nut, self-locking, DIN 985, galvanized steel

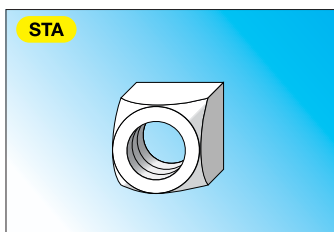
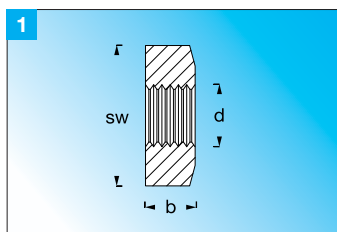
Dim. d	Dim. b	Wrench size	Packaging	Item no.
M 3	4.0 mm	5.5	SS bag cont. 10 pcs.	30100
M 4	5.0 mm	7	SS bag cont. 10 pcs.	30101
M 5	5.0 mm	8	SS bag cont. 6 pcs.	30102
M 6	6.0 mm	10	SS bag cont. 6 pcs.	30103
M 8	8.0 mm	13	SS bag cont. 4 pcs.	30104
M 10	10.0 mm	17	SS bag cont. 4 pcs.	30105
M 12	12.0 mm	19	SS bag cont. 2 pcs.	30106
M 16	16.0 mm	24	SS bag cont. 2 pcs.	30108
M 20	20.0 mm	30	SS bag cont. 1 pc.	30109



### 2 Hexagon cap nut, self-locking, DIN 986, galvanized steel

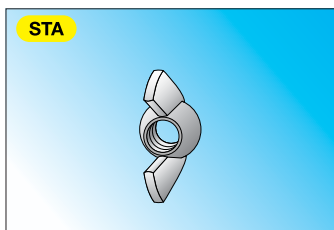
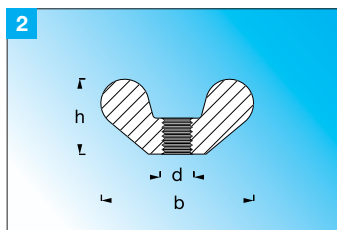
Dim. d	Dim. h	Dim. t	Wrench size	Packaging	Item no.
M 5	10.0 mm	7.5 mm	8	SS bag cont. 6 pcs.	30112
M 6	12.0 mm	8.0 mm	10	SS bag cont. 6 pcs.	30113
M 8	15.0 mm	11.0 mm	13	SS bag cont. 4 pcs.	30114
M 10	18.0 mm	13.0 mm	17	SS bag cont. 4 pcs.	30115
M 12	22.0 mm	16.0 mm	19	SS bag cont. 2 pcs.	30116

## combitech® system · Accessories



### 1 Square nut, DIN 557, galvanized steel

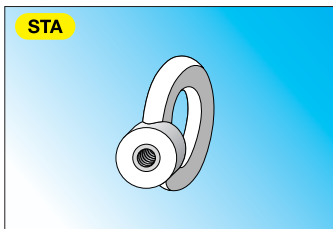
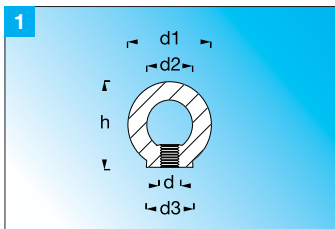
Dim. d	Dim. b	Wrench size	Packaging	Item no.
M 5	4.0 mm	8	SS bag cont. 6 pcs.	30132
M 6	5.0 mm	10	SS bag cont. 6 pcs.	30133
M 8	6.5 mm	13	SS bag cont. 4 pcs.	30134
M 10	8.0 mm	17	SS bag cont. 4 pcs.	30135
M 12	10.0 mm	19	SS bag cont. 2 pcs.	30136



### 2 Wing nut, American shape, galvanized steel

Dim. d	Dim. b	Dim. h	Packaging	Item no.
M 5	25.0 mm	12.0 mm	SS bag cont. 6 pcs.	30142
M 6	32.0 mm	16.0 mm	SS bag cont. 6 pcs.	30143
M 8	38.0 mm	20.0 mm	SS bag cont. 4 pcs.	30144
M 10	50.0 mm	25.0 mm	SS bag cont. 4 pcs.	30145
M 12	64.0 mm	32.0 mm	SS bag cont. 2 pcs.	30146

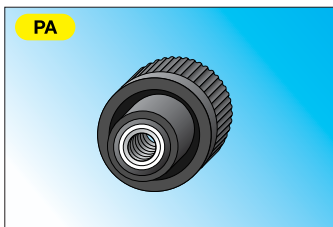
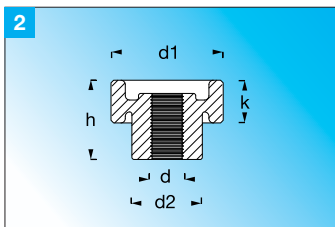
## combitech® system · Accessories



### 1 Lifting eye nut, DIN 582, galvanized steel

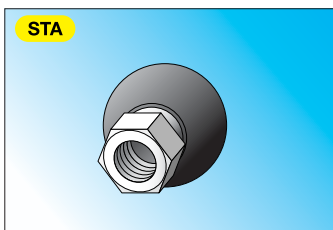
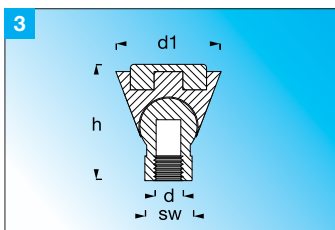
Packaging: SS bag cont. 1 pc.

Dim. d	Dim. d1	Dim. d2	Dim. d3	Dim. h	Load	Item no.
M 8	36.0 mm	20.0 mm	20.0 mm	36.0 mm	max. 140 kg	30154
M 12	54.0 mm	30.0 mm	30.0 mm	53.0 mm	max. 340 kg	30156



### 2 Knurled nut, black, with thread, plastic (PA)

Dim. d	Dim. d1	Dim. d2	Dim. h	Dim. k	Packaging	Item no.
M 5	15.0 mm	10.0 mm	10.5 mm	5.7 mm	SS bag cont. 4 pcs.	30162
M 8	25.5 mm	16.0 mm	18.0 mm	9.7 mm	SS bag cont. 1 pc.	30164

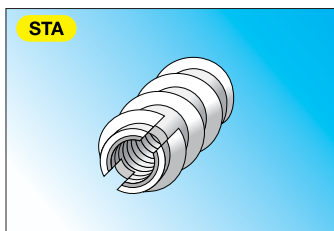
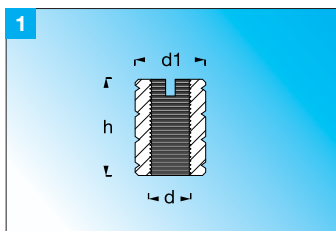


### 3 Hinged plate, black, with thread, galvanized steel

Packaging: SS bag cont. 1 pc.

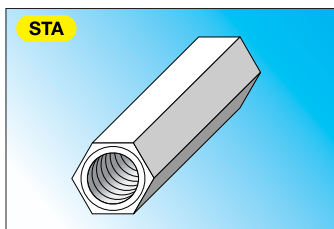
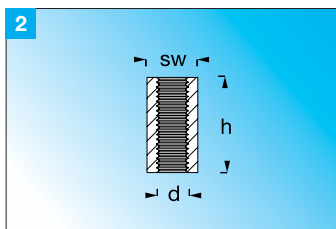
Dim. d	Dim. d1	Dim. h	Wrench size	Item no.
M 8	30.0 mm	30.0 mm	14	30204

## combitech® system · Accessories



### 1 Anchor nut, DIN 7965, steel

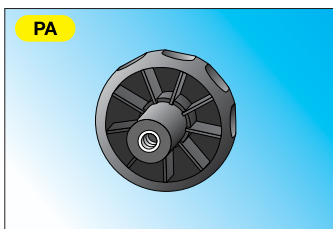
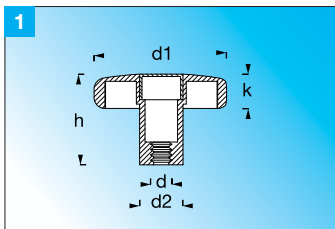
Dim. d	Dim. d1	Dim. h	Packaging	Item no.
M 5	10.0 mm	12.0 mm	SS bag cont. 4 pcs.	30172
M 6	12.0 mm	15.0 mm	SS bag cont. 4 pcs.	30173
M 8	16.0 mm	18.0 mm	SS bag cont. 2 pcs.	30174
M 10	18.5 mm	20.0 mm	SS bag cont. 2 pcs.	30175
M 12	22.0 mm	30.0 mm	SS bag cont. 1 pc.	30176



### 2 Hexagon connection sleeve, galvanized steel

Dim. d	Dim. h	Wrench size	Packaging	Item no.
M 5	30.0 mm	8	SS bag cont. 4 pcs.	30182
M 6	30.0 mm	10	SS bag cont. 4 pcs.	30183
M 8	30.0 mm	13	SS bag cont. 2 pcs.	30184
M 10	30.0 mm	17	SS bag cont. 2 pcs.	30185
M 12	30.0 mm	19	SS bag cont. 1 pc.	30186

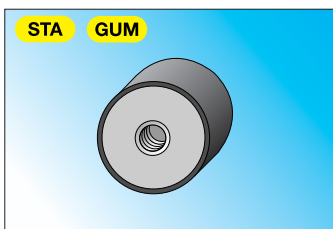
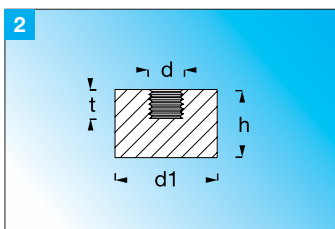
## combitech® system · Accessories



### 1 Hand wheel, black, with thread, plastic (PA)

Packaging: SS bag cont. 1 pc.

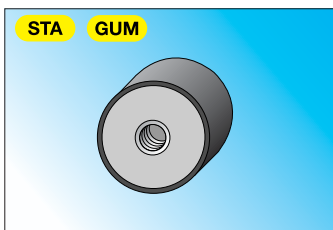
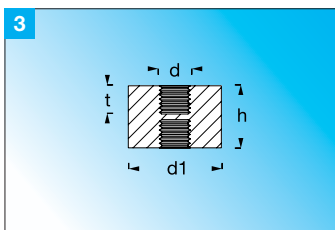
Dim. d	Dim. d1	Dim. d2	Dim. h	Dim. k	Item no.
M 8	62.0 mm	20.0 mm	40.0 mm	17.0 mm	30224
M 10	62.0 mm	24.0 mm	40.0 mm	17.0 mm	30225



### 2 Rubber buffer, black, with thread, steel/rubber

Packaging: SS bag cont. 1 pc.

Dim. d	Dim. d1	Dim. t	Dim. h	Item no.
M 8	30.0 mm	8.5 mm	20.0 mm	30364

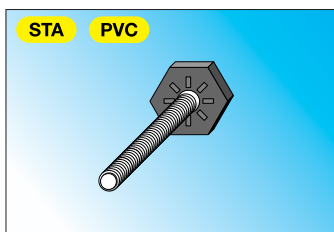
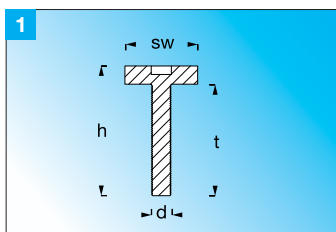


### 3 Rubber buffer, black, with double-sided thread, steel/rubber

Packaging: SS bag cont. 1 pc.

Dim. d	Dim. d1	Dim. t	Dim. h	Item no.
M 8	30.0 mm	8.5 mm	20.0 mm	30374

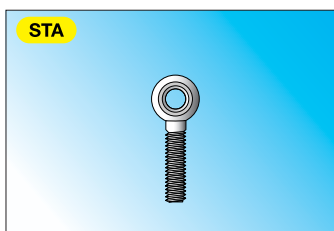
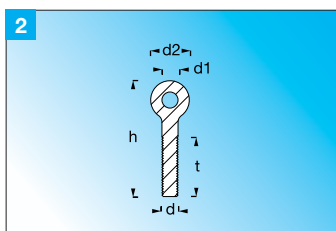
## combitech® system · Accessories



### 1 Adjusting foot, black, with thread, steel/PVC

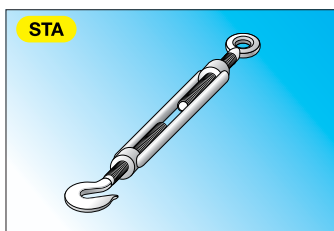
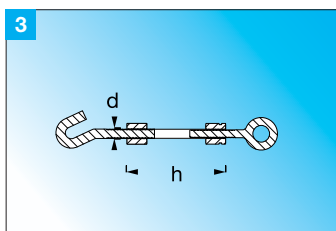
Packaging: SS bag cont. 1 pc.

Dim. d	Dim. t	Dim. h	Wrench size	Item no.
M 8	46.0 mm	54.0 mm	30	30354



### 2 Eye bolt, DIN 444, galvanized steel

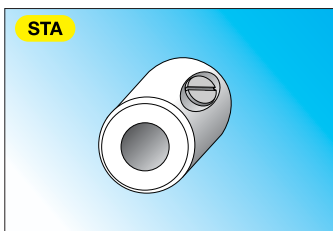
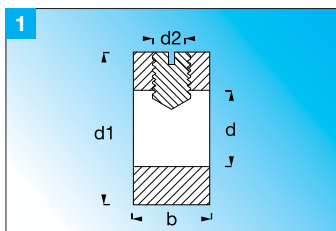
Dim. d	Dim. d1	Dim. d2	Dim. t	Dim. h	Packaging	Item no.
M 5	5.0 mm	11.3 mm	16.0 mm	36.0 mm	SS bag cont. 1 pc.	30342
M 8	8.0 mm	20.0 mm	25.0 mm	48.7 mm	SS bag cont. 2 pcs.	30344



### 3 Turnbuckle with hook and eye, DIN 1480, galvanized steel

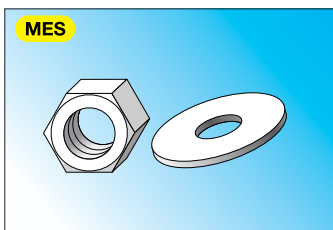
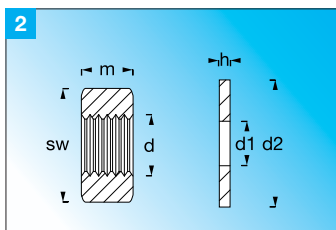
Dim. d	Dim. h	Packaging	Item no.
M 5	50.0 mm	SS bag cont. 1 pc.	30192
M 8	110.0 mm	loose	30194

## combitech® system · Accessories



### 1 Adjusting ring, DIN 705, galvanized steel

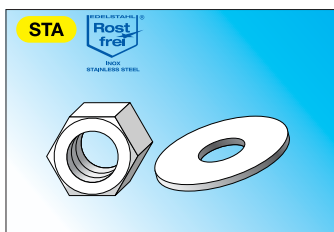
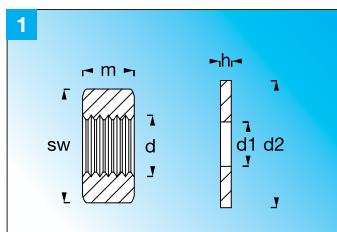
For	Dim. d	Dim. d1	Dim. d2	Dim. b	Packaging	Item no.
M 5	5.0 mm	10.0 mm	M 3	6.0 mm	SS bag cont. 6 pcs.	<b>30332</b>
M 6	6.0 mm	12.0 mm	M 4	8.0 mm	SS bag cont. 6 pcs.	<b>30333</b>
M 8	8.0 mm	16.0 mm	M 4	8.0 mm	SS bag cont. 4 pcs.	<b>30334</b>
M 10	10.0 mm	20.0 mm	M 5	10.0 mm	SS bag cont. 4 pcs.	<b>30335</b>
M 12	12.0 mm	22.0 mm	M 6	12.0 mm	SS bag cont. 1 pc.	<b>30336</b>



### 2 Set: Hexagon nut, DIN 934, with washer, DIN 9021

Solid brass			Packaging: SS bag cont. 20 pcs. each			
Dim. d1	Dim. m	Wrench size	Dim. d	Dim. d2	Dim. h	Item no.
M 3	2.4 mm	5.5	3.2 mm	9.0 mm	0.8 mm	<b>30780</b>
M 4	3.2 mm	7	4.3 mm	12.0 mm	1.0 mm	<b>30781</b>
Solid brass			Packaging: SS bag cont. 10 pcs. each			
M 5	4.0 mm	8	5.3 mm	15.0 mm	1.2 mm	<b>30782</b>
M 6	5.0 mm	10	6.4 mm	18.0 mm	1.6 mm	<b>30783</b>
Solid brass			Packaging: SS bag cont. 6 pcs. each			
M 8	6.5 mm	13	8.4 mm	24.0 mm	2.0 mm	<b>30784</b>
Solid brass			Packaging: SS bag cont. 2 pcs. each			
M 10	8.0 mm	17	10.5 mm	30.0 mm	2.5 mm	<b>30785</b>
M 12	10.0 mm	19	13.0 mm	37.0 mm	3.0 mm	<b>30786</b>

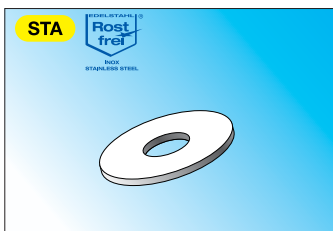
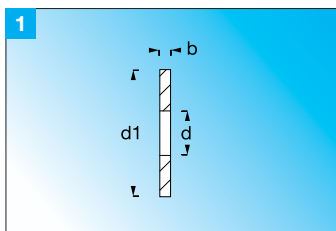
## combitech® system · Accessories



### **1** Set: Hexagon nut, DIN 934, with washer, DIN 9021

Galvanized steel			Packaging: SS bag cont. 20 pcs. each			
Dim. d1	Dim. m	Wrench size	Dim. d	Dim. d2	Dim. h	Item no.
M 3	2.4 mm	5.5	3.2 mm	9.0 mm	0.8 mm	30770
M 4	3.2 mm	7	4.3 mm	12.0 mm	1.0 mm	30771
Galvanized steel			Packaging: SS bag cont. 10 pcs. each			
M 5	4.0 mm	8	5.3 mm	15.0 mm	1.2 mm	30772
M 6	5.0 mm	10	6.4 mm	18.0 mm	1.6 mm	30773
Galvanized steel			Packaging: SS bag cont. 6 pcs. each			
M 8	6.5 mm	13	8.4 mm	24.0 mm	2.0 mm	30774
Galvanized steel			Packaging: SS bag cont. 2 pcs. each			
M 10	8.0 mm	17	10.5 mm	30.0 mm	2.5 mm	30775
M 12	10.0 mm	19	13.0 mm	37.0 mm	3.0 mm	30776
M 14	11.0 mm	22	15.0 mm	44.0 mm	3.0 mm	30777
M 16	13.0 mm	24	17.0 mm	50.0 mm	3.0 mm	30778
M 20	16.0 mm	30	22.0 mm	60.0 mm	4.0 mm	30779
Stainless steel			Packaging: SS bag cont. 20 pcs. each			
Dim. d1	Dim. m	Wrench size	Dim. d	Dim. d2	Dim. h	Item no.
M 3	2.4 mm	5.5	3.2 mm	9.0 mm	0.8 mm	30790
M 4	3.2 mm	7	4.3 mm	12.0 mm	1.0 mm	30791
Stainless steel			Packaging: SS bag cont. 10 pcs. each			
M 5	4.0 mm	8	5.3 mm	15.0 mm	1.2 mm	30792
M 6	5.0 mm	10	6.4 mm	18.0 mm	1.6 mm	30793
Stainless steel			Packaging: SS bag cont. 6 pcs. each			
M 8	6.5 mm	13	8.4 mm	24.0 mm	2.0 mm	30794
Stainless steel			Packaging: SS bag cont. 2 pcs. each			
M 10	8.0 mm	17	10.5 mm	30.0 mm	2.5 mm	30795
M 12	10.0 mm	19	13.0 mm	37.0 mm	3.0 mm	30796

## combitech® system · Accessories



### 1 Washer, DIN 9021

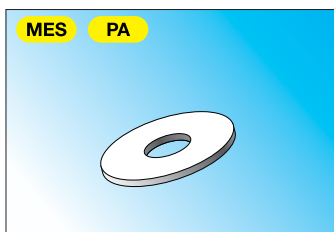
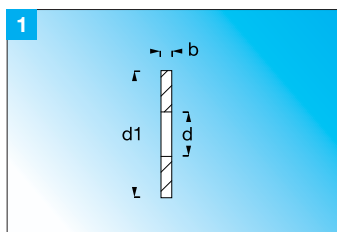
#### Galvanized steel

For	Dim. d	Dim. d1	Dim. b	Packaging	Item no.
M 3	3.2 mm	9.0 mm	0.8 mm	SS bag cont. 10 pcs.	30230
M 4	4.3 mm	12.0 mm	1.0 mm	SS bag cont. 10 pcs.	30231
M 5	5.3 mm	15.0 mm	1.2 mm	SS bag cont. 6 pcs.	30232
M 6	6.4 mm	18.0 mm	1.6 mm	SS bag cont. 6 pcs.	30233
M 8	8.4 mm	24.0 mm	2.0 mm	SS bag cont. 4 pcs.	30234
M 10	10.5 mm	30.0 mm	2.5 mm	SS bag cont. 4 pcs.	30235
M 12	13.0 mm	37.0 mm	3.0 mm	SS bag cont. 2 pcs.	30236
M 14	15.0 mm	44.0 mm	3.0 mm	SS bag cont. 2 pcs.	30237
M 16	17.0 mm	50.0 mm	3.0 mm	SS bag cont. 2 pcs.	30238
M 20	22.0 mm	60.0 mm	4.0 mm	SS bag cont. 1 pc.	30239

#### Stainless steel V2A

For	Dim. d	Dim. d1	Dim. b	Packaging	Item no.
M 3	3.2 mm	9.0 mm	0.8 mm	SS bag cont. 10 pcs.	30240
M 4	4.3 mm	12.0 mm	1.0 mm	SS bag cont. 10 pcs.	30241
M 5	5.3 mm	15.0 mm	1.2 mm	SS bag cont. 6 pcs.	30242
M 6	6.4 mm	18.0 mm	1.6 mm	SS bag cont. 6 pcs.	30243
M 8	8.4 mm	24.0 mm	2.0 mm	SS bag cont. 4 pcs.	30244
M 10	10.5 mm	30.0 mm	2.5 mm	SS bag cont. 4 pcs.	30245
M 12	13.0 mm	37.0 mm	3.0 mm	SS bag cont. 2 pcs.	30246
M 16	17.0 mm	50.0 mm	3.0 mm	SS bag cont. 2 pcs.	30248
M 20	22.0 mm	60.0 mm	4.0 mm	SS bag cont. 1 pc.	30249

## combitech® system · Accessories



### 1 Washer, DIN 9021

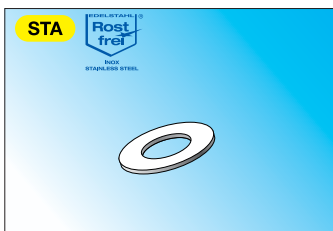
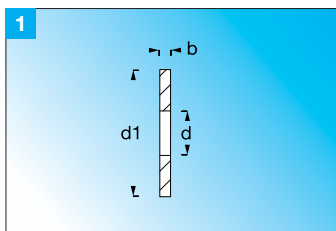
#### Solid brass

For	Dim. d	Dim. d1	Dim. b	Packaging	Item no.
M 3	3.2 mm	9.0 mm	0.8 mm	SS bag cont. 10 pcs.	30250
M 4	4.3 mm	12.0 mm	1.0 mm	SS bag cont. 10 pcs.	30251
M 5	5.3 mm	15.0 mm	1.2 mm	SS bag cont. 6 pcs.	30252
M 6	6.4 mm	18.0 mm	1.6 mm	SS bag cont. 6 pcs.	30253
M 8	8.4 mm	24.0 mm	2.0 mm	SS bag cont. 4 pcs.	30254
M 10	10.5 mm	30.0 mm	2.5 mm	SS bag cont. 4 pcs.	30255
M 12	13.0 mm	37.0 mm	3.0 mm	SS bag cont. 2 pcs.	30256

#### Plastic (PA)

For	Dim. d	Dim. d1	Dim. b	Packaging	Item no.
M 3	3.2 mm	9.0 mm	0.8 mm	SS bag cont. 10 pcs.	30260
M 4	4.3 mm	12.0 mm	1.0 mm	SS bag cont. 10 pcs.	30261
M 5	5.3 mm	15.0 mm	1.2 mm	SS bag cont. 6 pcs.	30262
M 6	6.4 mm	18.0 mm	1.6 mm	SS bag cont. 6 pcs.	30263
M 8	8.4 mm	24.0 mm	2.0 mm	SS bag cont. 4 pcs.	30264
M 10	10.5 mm	30.0 mm	2.5 mm	SS bag cont. 4 pcs.	30265
M 12	13.0 mm	37.0 mm	3.0 mm	SS bag cont. 2 pcs.	30266

## combitech® system · Accessories



### 1 Washer, DIN 125

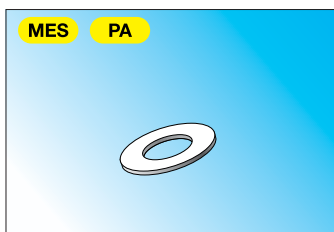
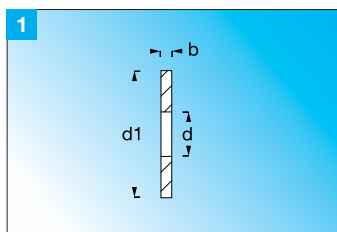
#### Galvanized steel

For	Dim. d	Dim. d1	Dim. b	Packaging	Item no.
M 3	3.2 mm	7.0 mm	0.5 mm	SS bag cont. 10 pcs.	30270
M 4	4.3 mm	9.0 mm	0.8 mm	SS bag cont. 10 pcs.	30271
M 5	5.3 mm	10.0 mm	1.0 mm	SS bag cont. 6 pcs.	30272
M 6	6.4 mm	12.5 mm	1.6 mm	SS bag cont. 6 pcs.	30273
M 8	8.4 mm	17.0 mm	1.6 mm	SS bag cont. 4 pcs.	30274
M 10	10.5 mm	21.0 mm	2.0 mm	SS bag cont. 4 pcs.	30275
M 12	13.0 mm	24.0 mm	2.5 mm	SS bag cont. 2 pcs.	30276
M 14	15.0 mm	28.0 mm	2.5 mm	SS bag cont. 2 pcs.	30277
M 16	17.0 mm	30.0 mm	3.0 mm	SS bag cont. 2 pcs.	30278
M 20	21.0 mm	37.0 mm	3.0 mm	SS bag cont. 1 pc.	30279

#### Stainless steel V2A

For	Dim. d	Dim. d1	Dim. b	Packaging	Item no.
M 3	3.2 mm	7.0 mm	0.5 mm	SS bag cont. 10 pcs.	30280
M 4	4.3 mm	9.0 mm	0.8 mm	SS bag cont. 10 pcs.	30281
M 5	5.3 mm	10.0 mm	1.0 mm	SS bag cont. 6 pcs.	30282
M 6	6.4 mm	12.5 mm	1.6 mm	SS bag cont. 6 pcs.	30283
M 8	8.4 mm	17.0 mm	1.6 mm	SS bag cont. 4 pcs.	30284
M 10	10.5 mm	21.0 mm	2.0 mm	SS bag cont. 4 pcs.	30285
M 12	13.0 mm	24.0 mm	2.5 mm	SS bag cont. 2 pcs.	30286
M 16	17.0 mm	30.0 mm	3.0 mm	SS bag cont. 2 pcs.	30288
M 20	21.0 mm	37.0 mm	3.0 mm	SS bag cont. 1 pc.	30289

## combitech® system · Accessories



### 1 Washer, DIN 125

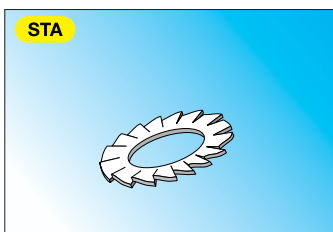
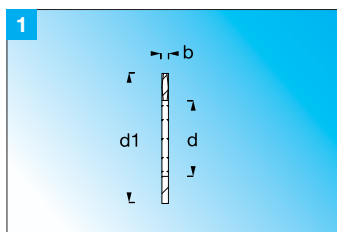
#### Solid brass

For	Dim. d	Dim. d1	Dim. b	Packaging	Item no.
M 3	3.2 mm	7.0 mm	0.5 mm	SS bag cont. 10 pcs.	30290
M 4	4.3 mm	9.0 mm	0.8 mm	SS bag cont. 10 pcs.	30291
M 5	5.3 mm	10.0 mm	1.0 mm	SS bag cont. 6 pcs.	30292
M 6	6.4 mm	12.5 mm	1.6 mm	SS bag cont. 6 pcs.	30293
M 8	8.4 mm	17.0 mm	1.6 mm	SS bag cont. 4 pcs.	30294
M 10	10.5 mm	21.0 mm	2.0 mm	SS bag cont. 4 pcs.	30295
M 12	13.0 mm	24.0 mm	2.5 mm	SS bag cont. 2 pcs.	30296

#### Plastic (PA)

For	Dim. d	Dim. d1	Dim. b	Packaging	Item no.
M 3	3.2 mm	7.0 mm	0.5 mm	SS bag cont. 10 pcs.	30300
M 4	4.3 mm	9.0 mm	0.8 mm	SS bag cont. 10 pcs.	30301
M 5	5.3 mm	10.0 mm	1.0 mm	SS bag cont. 6 pcs.	30302
M 6	6.4 mm	12.5 mm	1.6 mm	SS bag cont. 6 pcs.	30303
M 8	8.4 mm	17.0 mm	1.6 mm	SS bag cont. 4 pcs.	30304
M 10	10.5 mm	21.0 mm	2.0 mm	SS bag cont. 4 pcs.	30305
M 12	13.0 mm	24.0 mm	2.5 mm	SS bag cont. 2 pcs.	30306

## combitech® system · Accessories

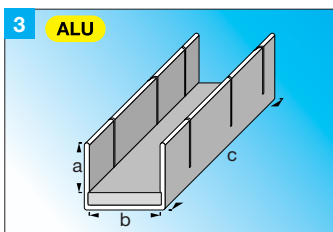
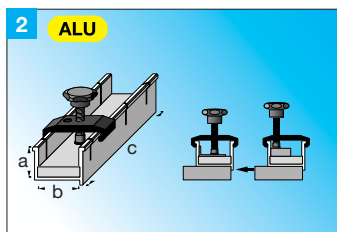


### 1 Serrated lock washer, DIN 6798A

Galvanized steel

For	Dim. d	Dim. d1	Dim. b	Packaging	Item no.
M 3	3.2 mm	6.0 mm	1.2 mm	SS bag cont. 10 pcs.	30320
M 4	4.3 mm	8.0 mm	1.4 mm	SS bag cont. 10 pcs.	30321
M 5	5.3 mm	10.0 mm	1.7 mm	SS bag cont. 6 pcs.	30322
M 6	6.4 mm	11.0 mm	1.8 mm	SS bag cont. 6 pcs.	30323
M 8	8.4 mm	15.0 mm	2.0 mm	SS bag cont. 4 pcs.	30324
M 10	10.5 mm	18.0 mm	2.2 mm	SS bag cont. 4 pcs.	30325
M 12	13.0 mm	20.5 mm	2.4 mm	SS bag cont. 2 pcs.	30326

## combitech® system · Tool assortment



### 2 Piccolo-mitre box MP 7, uncoated aluminium

Packaging: loose

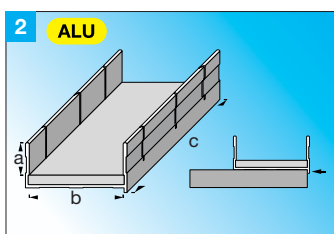
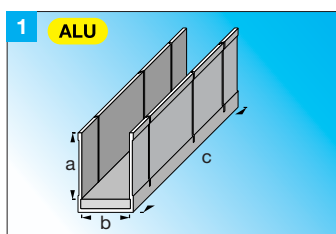
Dim. a	Dim. b	Dim. c	Item no.
30.0 mm	40.0 mm	140.0 mm	41120

### 3 Precision-mitre box MP 8, uncoated aluminium

Packaging: loose

Dim. a	Dim. b	Dim. c	Item no.
40.0 mm	57.0 mm	248.0 mm	41121

## combitech® system · Tool assortment



### 1 Precision-mitre box MP 9, uncoated aluminium

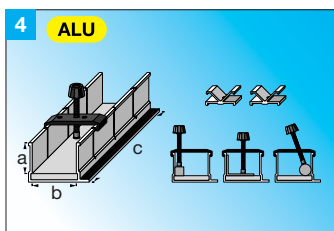
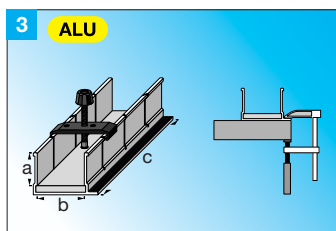
Packaging: loose

Dim. a	Dim. b	Dim. c	Item no.
70.0 mm	50.0 mm	248.0 mm	41122

### 2 Precision-mitre box MP 11, uncoated aluminium

Packaging: loose

Dim. a	Dim. b	Dim. c	Item no.
34.0 mm	100.0 mm	248.0 mm	41124



### 3 Precision-mitre box with clamp element MP 10, uncoated aluminium

Packaging: loose

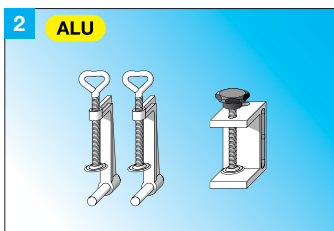
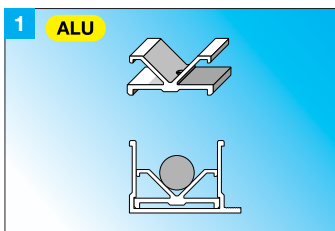
Dim. a	Dim. b	Dim. c	Item no.
50.0 mm	73.0 mm	248.0 mm	41123

### 4 'Vario'-mitre box MP 14, uncoated aluminium

Packaging: SS cardboard box

Dim. a	Dim. b	Dim. c	Item no.
50.0 mm	73.0 mm	248.0 mm	41127

## combitech® system · Tool assortment



**1** 2 prisms MP 13 (for mitre box MP 10)

Uncoated aluminium

Packaging

Item no.

SS skinpack

41126

**2** Multi-clamp, uncoated aluminium

Contents

Packaging

Item no.

3-part

SS cardboard box

45152

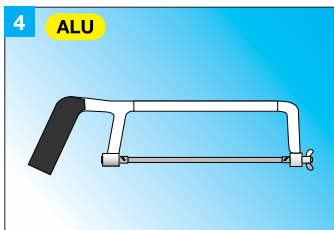
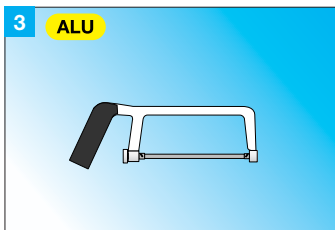
4-part

SS cardboard box

45153

### Multi-clamp

With the multi-clamp, you have a reliable tool when chamfering, drilling, planing, sawing, etc.



**3** Mini-saw, uncoated aluminium

Colour

Packaging

Item no.

uncoated

loose

45110

**4** Maxi-saw, uncoated aluminium

Colour

Packaging

Item no.

uncoated

loose

41111

## Information – Technical details

### Dimensions

The dimensions given in this brochure are approximate values and may vary slightly up or down.

### Product formats

We reserve the right to make changes for reasons of technical advances or product improvement.

### Guarantee

As the purpose of this brochure is to provide a summary, no guarantee can be assumed for individual cases or for the reproduction of models shown.

### Colours

The colours depicted may vary slightly from the original products.

### Attention, important notice!

The following trademarks (®, M. R.) are registered to **alfer® aluminium Gesellschaft mbH**, D-79793 Wutöschingen, (as at: 01.04.2009):

<b>alfer®</b>	(EU) (FL) (CH) (USA)
<b>alferceram®</b>	(D) (A) (B) (F) (I) (L) (NL) (P) (CH)
<b>alferoxal®</b>	(D) (A) (B) (F) (I) (L) (NL) (P) (CH)
<b>cabelino®</b>	(EU) (CH) (USA)
<b>clipstech®</b>	(EU)
<b>coaxis®</b>	(EU)
<b>combitech®</b>	(EU) (CH) (FL) (USA)
<b>ferroplatan®</b>	(EU)
<b>logika®</b>	(EU)
<b>x-star®</b>	(EU)

Please note that these trademarks may only be used with the express permission of **alfer® aluminium Gesellschaft mbH**, D-79793 Wutöschingen.

## **alfer® complete range**

### **combitech® system range**

The design system with square and round tubes, square, round and flat bars, T, H and U profiles, angles, made of aluminium and plastic with a wide range of system accessories

### **combitech®-connect**

Connector for different **combitech®** square tubes

### **combitech®-connect model construction**

The construction range for functional model construction

### **combitech® plates**

Plain, moulded, perforated and expanded plates made of various materials with different finishes and textures, a wide range of accessories,

**Prismatech** and **Multitube**,  
corrugated plate and synthetic edge protection profiles

### **combitech®-logika® profiles**

Hole profiles can be combined with the entire **combitech® range**

### **Profiles for home and craftsmen**

Square and round tubes, square, round and flat bars, T, H and U profiles, angles etc. made of aluminium, plastic, brass and steel

### **Building profiles**

Standard aluminium and steel profiles, special fitting and plaster profiles in brand quality from **Protektor®**

### **Tile profiles**

with **alfer®-fix universal hole pattern** for bridging and finishing tiles and as a tiled stairs system

### **Separation and drainage mats**

For separation and sealing purposes in wet rooms and balcony construction

## Tidy range

### **combitech®-coaxis®** system

Individual designs with **coaxis®** column profiles  
and connecting brackets without drilling  
Aluminium bicycle stands and wheel rim holders  
Profile hooks and professional shelving brackets  
Utensils support **x-star®**

### **Overhead storage system**

Aluminium profiles for storage space under the ceiling

### **Profiles for flooring and room fittings**

For transitions, ends and stair edges, many  
colours, metallic, wood and stone designs  
and available in the special colours  
**alferoxal®** and **alferceram®**

### **Parquet and laminate profiles**

**clipstech® system profiles** and standard profiles,  
many colours, metallic, wood and stone designs  
for parquet, laminate, cork and other surfaces,  
for bridging and finishing

### **clipstech®-vario system**

Screw and plug system for beautiful, retroactive laying

### **clipstech®-plus system**

Professional quality for high loads

### **cabelino® cable routing skirting boards, soft skirting boards, soft angles**

decorative skirting boards, many colours, metallic,  
wood and stone designs, in stainless steel, Alunox,  
aluminium and plastic, with integrated cable routing  
and accessories

### **Tool assortment**

Straightedges, bevelled straightedges,  
professional angles, cutting machines and saws

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Your dealer:



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