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**alfer**<sup>®</sup>  
aluminium

# **combitech**<sup>®</sup> system Model construction



## Overview

<b>alfer®-combitech®</b> system · model construction	3
Quick and easy assembly	4
connect connectors	5
System profiles	6
Model construction accessories	7
Small profiles – great ideas	8
Overview of 7.5 mm connect connectors	10
System accessories	11
7.5 mm aluminium system profiles	12
7.5 mm plastic system profiles and <b>logika®</b> system profiles	14
7.5 mm brass and steel system profiles and threaded rods	15
Aluminium plain and embossed sheets	16
Plain and embossed sheets, plastic panels, perforated sheets and stretch metal	17
Tips and tricks for professionals	18
Notes – technical diagrams	19
<b>alfer®</b> hardware range	20
<b>alfer®</b> building material range	21
<b>alfer®</b> storage system range	22



Dear customers,

The **combitech**<sup>®</sup> model construction system offers you endless possibilities. It was specially developed for architectural model construction, model vehicle construction, urban development, etc. Its quick and easy method of assembly enables you to construct models in no time at all. This allows projects still in the development phase to be presented with ease.

Model constructors hold a special place in **alfer**<sup>®</sup>'s heart. The **combitech**<sup>®</sup>-connect connectors are therefore also available for 7.5 mm profiles. The usual benefits such as the drilling alignment groove and the easy-to-combine dimensions can also be enjoyed in the model construction range. There are also several plastic, brass and stainless steel profiles for the model construction range, as well as parts from the **logika**<sup>®</sup> range. Accessories, screws, nuts and threaded rods round off the many items available.

Our **combitech**<sup>®</sup>-connect profiles are the ideal product as they are sturdy, very light and can be used individually.

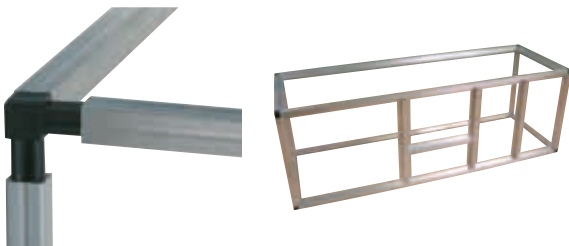
**alfer**<sup>®</sup> products are available from DIY stores and specialist retailers, including near you.

Our model construction range is solely available for direct purchase from [www.alfer-shop.com](http://www.alfer-shop.com).

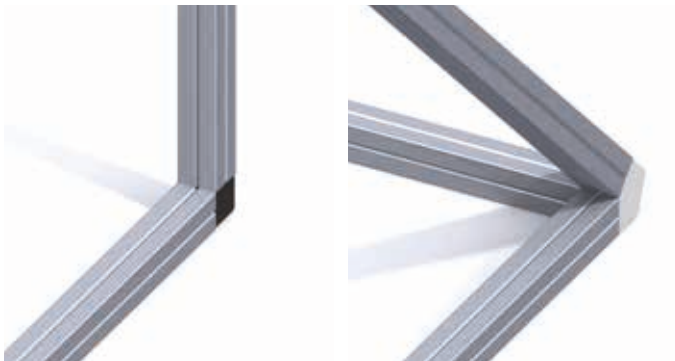
## Quick and easy assembly



With our **combitech**<sup>®</sup>-connect profiles and various different sheets, you can soon give your imagination free reign and build your own model with very little effort!  
From a profile to a container in a matter of minutes – simply cut to size, fit together and you're done!



## connect connectors



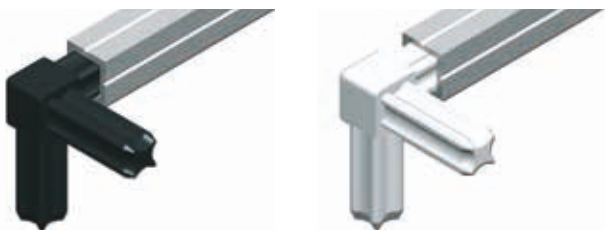
### 90° **combitech**®-connect connector

The 90° 7.5 mm connect connectors come in the various designs: angle connectors, corner connectors, T-connectors, cross connectors and nodal connectors with 4, 5 or 6 spigots.

### 45° **combitech**®-connect connector

The 45° 7.5 mm connect connectors also come in the various designs: nodal connectors, and left and right corner connectors.

The **combitech**®-connect connectors are available in black or white and go perfectly with the uncoated aluminium, silver anodised aluminium, white, powder-coated aluminium and white plastic **combitech**® profiles. They can be combined with all square tubes and special profiles in the 7.5 mm series.



## System profiles



### Crash barrier profile

With the crash barrier profile, the square tubes and the flange connectors you can build the perfect crash barriers for roads. The crash barrier profile can easily be shaped around bends to give the roads on your model landscape a realistic look.

### Container wall profile

You can use the container wall profile to build containers in different sizes. It is simply cut to the required length, then glued or riveted to the previously assembled container framework made of aluminium profiles and connect connectors.

## Model construction accessories



## Model construction accessories

The model construction range is rounded off by other helpful products. These include various edge profiles for sheets as well as screws and rivets. There are also several **logika**<sup>®</sup>, plastic, brass and steel profiles in selected sizes and cross-sections. Of course, your model construction project would not be complete without the matching threaded rods in stainless steel, brass and galvanised steel. In the sheet sector, **alfer**<sup>®</sup> has put together a range of various materials and surface qualities.

# Small profiles – great ideas



Model container



Model crane



Model Ferris wheel







Model bridge



Model greenhouse



Model ramp



# Overview of 7.5mm connect connectors



90° angle connector,  
2 spigots



90° corner connector,  
3 spigots



90° T-connector,  
3 spigots



Cross connector,  
4 spigots



Nodal connector,  
4 spigots



Nodal connector,  
5 spigots



Nodal connector,  
6 spigots



Corner connector,  
left 45°  
3 spigots



Corner connector,  
right 45°  
3 spigots



Nodal connector,  
45°, 4 spigots



Flange connector,  
1 spigot



Articulated flange  
connector, 1 spigot



Articulated connector, Cover cap  
2 spigots



End cube

## System accessories



Blind rivets



Round headed rivets

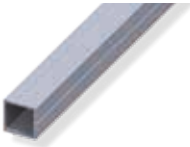


Double-sided  
sticky tape

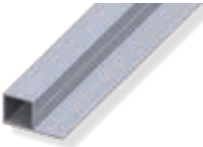


Universal deburrer

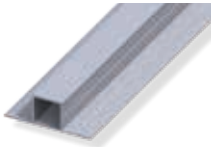
# 7.5 mm aluminium system profiles



Square tube



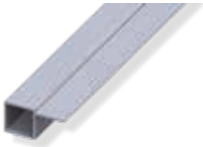
Square tube,  
1 member



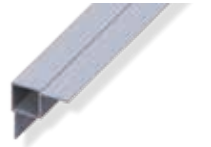
Square tube,  
2 members 180°



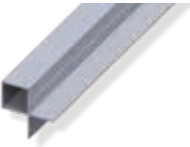
Square U,  
2 members 180°



Square tube,  
1 member offset



Square tube,  
2 members offset



Square tube,  
2 members inner



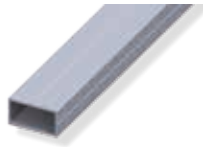
Square edge  
profile



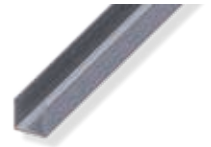
Round bar



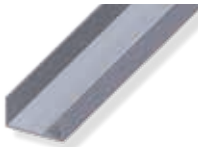
Round tube



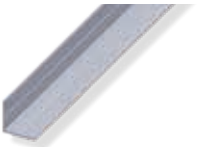
Rectangular tube



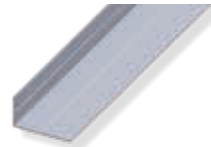
Square U



Rectangular U



Bracket,  
equal members



Bracket,  
unequal members



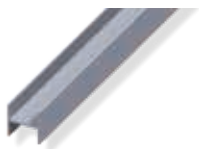
Square T



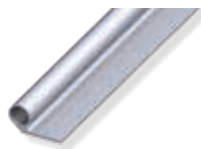
T-profile



Flat bar



Square H



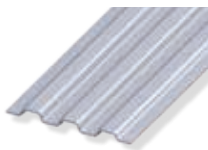
Hinge profile,  
short



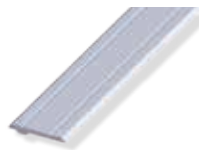
Crash barrier profile



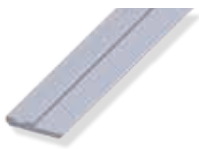
Sheet piling profile



Container wall profile



Cover profile,  
one-sided



Support profile,  
one-sided

## 7.5 mm plastic system profiles



Square tube  
PVC white



Round tube  
PVC white



Rectangular tube  
PVC white



Square U  
PVC white



Rectangular U  
PVC white



Bracket, PVC white  
unequal members



Bracket, PVC white  
equal members



Square T  
PVC white



Flat bar  
PVC white

## 7.5 mm **logika**® system profiles



Bracket, punched  
equal members  
uncoated



Bracket, punched  
equal members  
titanium



Cylinder head  
screw set

## 7.5 mm brass system profiles



Round tube



Round bar



Bracket,  
equal members



Flat bar



Square bar

## 7.5 mm steel system profiles



Round tube



Round bar



Square bar

## 7.5 mm threaded rods



Threaded rod,  
stainless steel



Threaded rod,  
brass



Threaded rod,  
steel

# Aluminium plain and embossed sheets



Plain sheet,  
uncoated



Plain sheet,  
anodised



Plain sheet,  
white



Plain sheet,  
maple



Plain sheet,  
beech



Barleycorn sheet



Checker plate



Corrugated sheet



## Plain and embossed sheets



Plain sheet, steel  
untreated or  
galvanized



Plain sheet,  
copper solid



Plain sheet,  
stainless steel

## Plastic panels

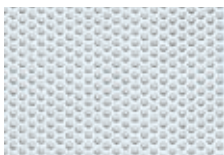


Plastic panel  
PC, transparent

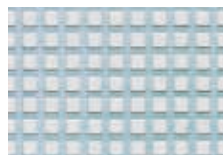
## Perforated sheets and stretch metal



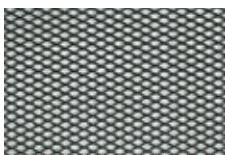
Slotted hole sheet



Round hole sheet



Square hole sheet



Stretch metal,  
powder-coated

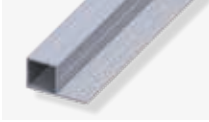


Stretch metal,  
uncoated

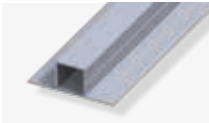


Stretch metal,  
untreated

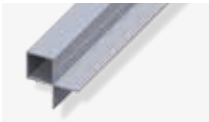
## Tips and tricks for professionals



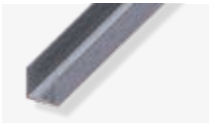
- The square tube with 1 or 2 members offset, can be used, for example, to rivet a metal sheet to the offset member so that the sheet does not protrude from the square tube.



- The square tube with 2 members at 180° has a very wide top surface for screwing and riveting. This makes it possible to create very stable joints in the model construction area.



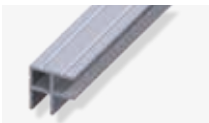
- The square tube, 2 members inside, can be used to make spacious shapes. The members can be used here, for example, as a stop for a thin plywood panel.



- The U profiles are suitable for framing various wood panels or other model construction profiles.



- The one or two-sided cover profile is used, for example, as an underride guard on a truck. The one or two-sided support profile combined with the cover profiles is used to frame metal sheets or thin Plexiglas.



- The square edge profile can be used to build a model container, for example. In doing so, the container wall profiles can be neatly edged. This means there is no need for riveting or screwing.



- The hinge profile enables you to make hinges for various applications, such as for a model dump truck.

## Notes – technical diagrams

### Dimensions

The dimensions indicated in this brochure are approximate values and may deviate slightly in either direction.

### Product versions

We reserve the right to make modifications in the interest of technical progress and product improvement.

### Warranty

As this is an abridged brochure, no liability can be accepted for either individual cases or the reproduction of the models shown.

### Colours

The colours depicted may vary slightly from the original products.

### Important notice

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<b>alferpro</b> ®	(EU)
<b>aluvally</b> ®	(EU)
<b>clipstech</b> ®	(EU) (MEX)
<b>coaxis</b> ®	(EU) (MEX)
<b>combitech</b> ®	(EU) (CH) (MEX)
<b>ferroplatan</b> ®	(EU)
<b>logika</b> ®	(EU)
<b>verando</b> ®	(EU) (CH)
<b>x-star</b> ®	(EU)

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## alfer® hardware range



### **combitech® system · basis**

System profiles · metric threaded rods and threaded tubes · system accessories · tool range

### **combitech® system · connect 23.5 mm**

Connect connectors 23.5 mm · system profiles 23.5 mm · system accessories

### **combitech® system · model construction**

Connect connectors 7.5mm · System profiles 7.5 mm · system accessories

**logika®** profiles · metric threaded rods · expanded metal, smooth, embossed and perforated sheets

### **combitech® system · sheets, plates and accessories**

Plastic panels · smooth, embossed, perforated and expanded sheets ·

Prismatech · Multitube · checker plate profiles · accessories

### **Profiles for DIY and professional purposes**

Standard profiles made from aluminium, brass, plastic, steel, stainless steel  
clampline clamping aluminium profiles

### **Steel profiles**



## alfer® building material range



### Tile edgings

Angle, round, quarter-circle and square tile edgings · tile edgings for steps  
LED profiles · joint cover profiles and expansion joint profiles · wet sealing  
profiles **clipstech**® system profiles · balcony angle · mats and accessories

### Floor and room profiles

Cover and joint cover profiles · edging, level balancing, angle edging and  
end profiles · step edging profiles · Edge protecting profiles · Baseboard and  
buckling angles

### Profiles for parquet, laminate and designer floors

**clipstech**®, **clipstech**®-vario, **clipstech**®-plus, **clipstech**®-mini, optifloor  
and renovation System profiles and accessories · cover, level balancing,  
wall edging and edging profiles · Edge profiles, drilled

### verando® Decking boards

**verando**® combines sophisticated design and sustainability.

The weatherproof profiles, mainly made of rice husks, are more durable than  
other wood or wood substitute products, they don't splint, crack or swell.



## alfer® classification system range



### **combitech® system · logika®**

The logically perforated profile range: **logika®** profiles and **logika®** accessories

### **combitech® system · coaxis®**

The coaxial system profiles: system profiles, accessories and tools · wall and ceiling hooks

### **Storage range**

System rails and accessories · profile hooks, clothes hooks and utensils supports · bicycle stands · shelving brackets · Furniture construction profiles and plant trolley





