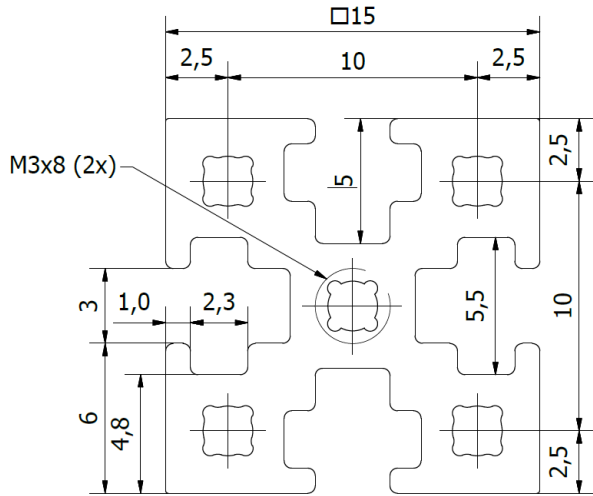


## ***T-Slot Profile Specifications***

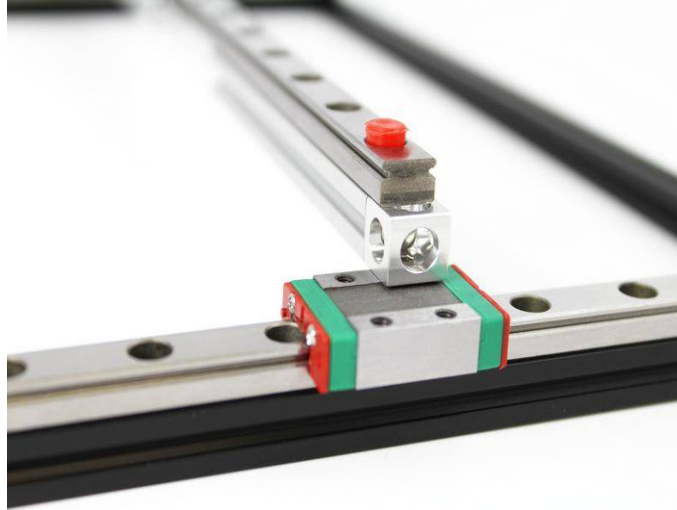


<b>Dimensions:</b>	15 x15mm width and height, length is variable (max. 2m)
<b>Weight:</b>	0,306 gram per mm
<b>Material:</b>	Aluminium, 6063-T5, black or clear anodised
<b>Size of nuts &amp; bolts:</b>	various M3 bolts
<b>Material nuts &amp; bolts:</b>	stainless steel
<b>Brackets:</b>	90° T- and L- brackets corner cubes (Aluminium)
<b>Bracket material:</b>	stainless steel, Aluminium



## Product Range

- Beams: clear and black anodised
- Bearings
- NEMA17 brackets
- various M3 bolts (incl. DIN hexagonal)
- Wing type bolts (M3x6)
- and more...



***Distributor in Germany***

Visit:

**<http://www.makerbeam.de>**

for a complete range of available products.

**chartup.com** supplies MakerBeam and MakerBeam XL elements and modules which make complex machine building easier and more effective.



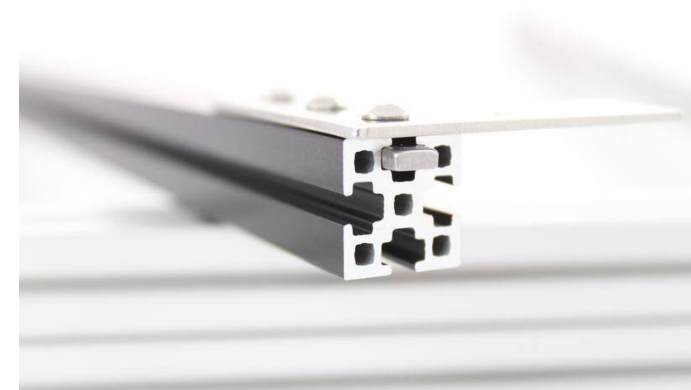
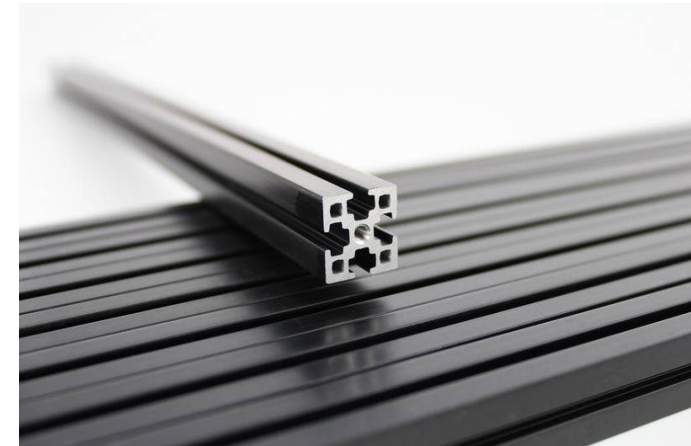
**System Engineering GmbH**

Olchinger Str. 106b Tel.: +49-8142-291-4489  
82194 Gröbenzell Fax: +49-8142-291-6368  
<http://www.chartup.com>

# MakerBeam XL

## Midi-T-Slot Aluminium Beams

for  
Endless Building Possibilities  
in Miniature Size



**<http://www.makerbeam.de>**

## Rigid Miniature Size T-Slot Profiles

MakerBeam XL adopted T-slot technology to offer you precision components for endless building possibilities in miniature size. The 15mmx15mm profiles made of aluminium are very rigid making them suitable for a huge variety of applications. It is the strongest T-slot system that is suitable for building structures like 3D printers.

### MakerBeam XL Starter Kit (black or clean anodized)



#### Beams:

300mm	(8x)	nuts	(M3, 250 pcs.)
200mm	(8x)	bolts:	
150mm	(8x)	hexagon (M3x6, 100 pcs.)	
100mm	(8x)	buttonhead (M3x6, 100 pcs.)	
50mm	(8x)		

#### Brackets:

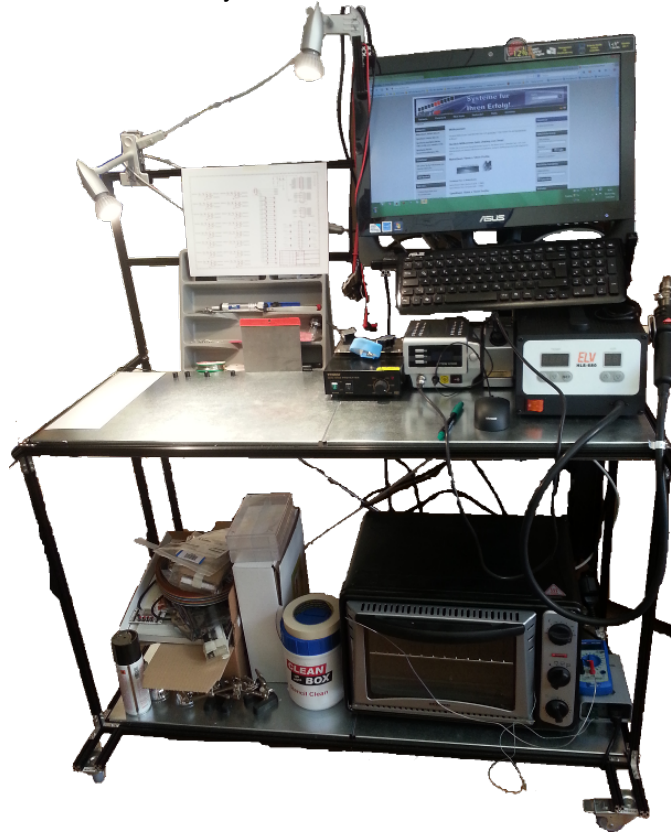
L-brackets	(24x)	Hex nut driver	(1x)
T-brackets	(24x)	Hex screw driver	(1x)
vinyl end caps	(8x)		

#### “Premium” Variant:

corner cubes (12x)  
in versatile storage box

## Professional Prototyping

T-slot is a popular technology widely used for industrial automation and machine enclosures. The compatible elements simplify machine building and give you enormous flexibility.



The MakerBeam XL system offers precise and strong T-slot profiles to build robots and small machines. A wide variety of structural designs for machine and robotic frames is possible. The T-slot technology gives you the freedom to both integrate mechanical and electronic components. Prototyping also becomes easier using MakerBeam XL. No more improvised structures when you want to integrate various components into one machine. MakerBeam XL uses standard elements like M3 nuts and bolts. Standoffs can bolt directly to the beams as well as motor mounts (NEMA17 or servos). Build a CNC machine, 3D printer or whatever you want to...



## Advantages

- Compatible Components available
- Shorter design and assembly times.
- All elements can be combined.
- Threaded M3 connections make for safe and easy assembly and dismantling.
- All elements can be reused. No welding is needed.
- Low weight structure with high loading capacity.
- Aluminium profiles provide attractive design.

