













T-SLOT NUTS

- T-Slot Nuts
- T-Slot Nut Profiles
- Screw Strips

Overview – finding the right T-Slot Nut fast

3

	5		6		8		10		12	
	Type	max. F [N]	Type	max. F [N]	Type	max. F [N]	Type	max. F [N]	Type	max. F [N]
T-Slot Nuts St and V St – the stable fastening that is suitable for all profile fasteners 										
	5 St M5	500	6 St M6	1,750*	8 St M8	5,000*	10 St M10	7,000*	12 St M12	10,000*
	5 St M5, stainless	400	6 St M6, stainless	1,400*	8 St M8, stainless	4,000*	10 St M8	6,000*	12 St M10	10,000*
	5 St M4	500	6 St M5	1,750*	8 St M6	3,500*	10 St M6	3,500*	12 St M8	6,000*
	5 St M4, stainless	400	6 St M5, stainless	1,400*	8 St M6, stainless	2,800*			12 St M6	3,500*
	5 St M3	500	6 St M4	1,750*	8 St M5	2,500*				
			6 St M3	500	8 St M5, stainless	2,000*				
					8 St M4	2,500*				
					8 St M4, stainless	2,000*				
					V 8 St M8	4,000*				
					V 8 St M6	3,500*				
					V 8 St M5	2,500*				
					V 8 St M4	2,500*				
T-Slot Nuts Zn – simple installation and a fixed hold in the groove 										
	5 Zn M3	50	6 Zn M4	150	8 Zn M5	250				
					8 Zn M4	250				
					8 Zn M3	250				
T-Slot Nuts PA – for lightweight attachments 										
					8 PA	150				
T-Slot Nuts St/PA – cost-effective and easy to install 										
					8 St/PA M6	1,000				
					8 St/PA M5	1,000				
					8 St/PA M4	500				
					8 St/PA M3	500				
T-Slot Nuts F ST – electrostatically dissipative and fixed in position 										
			F 6 St M6	1,750*	F 8 St M6	3,500*				
			F 6 St M5	1,750*	F 8 St M5	2,500*				
			F 6 St M4	1,750*	F 8 St M4	2,500*				
T-Slot Nuts St, heavy duty – for the ultimate loads 										
					8 St M8, heavy duty	5,000*	10 St M10, heavy duty	8,000*	12 St M12, heavy duty	10,000*
					8 St M6, heavy duty	3,500*	10 St M8, heavy duty	6,000*	12 St M10, heavy duty	10,000*
									12 St M8, heavy duty	6,000*

* take load-carrying capacity of profile groove into account!

T-Slot Nuts

Products in this section

3



T-Slot Nuts St

- For universal in-groove fastening
- Practical, secure and tried and tested

📄 132



T-Slot Nuts St with 2 Threads

- Easy to fit for dual screw connections

📄 135



Hammerhead Nut 8 M6

- Rapid hold with a flick of the wrist
- ESD contact as standard

📄 136



T-Slot Nuts Zn

- Simple fastening for components
- Automatically locked when screw is tightened

📄 137



T-Slot Nut PA

- For fastening lightweight components with low loads
- Easy to fit, fixed positioning

📄 138



T-Slot Nuts F

- For conductive profile connections
- Fixed in position by grub screw

📄 140



T-Slot Nuts St, heavy-duty

- Effective transferral of tensile loads into the profile
- More supporting threads for stronger screw connections

📄 141



Profile Bars and Groove Profiles

- For anchoring entire modules in the profile groove
- Threads can be positioned at will according to requirements

📄 142



Screw Strips Al

- Screw channel for creating fastenings at any position using Self-Tapping Screws
- Strips are simply pressed into the profile groove

📄 144



Note:

Technical data on the T-Slot Nuts can be found in Section 19.



T-Slot Nuts St

Practical, secure and tried and tested

- The T-Slot Nut with the broadest product diversity
- Available in seven thread sizes
- Available with anti-torsion feature (V)

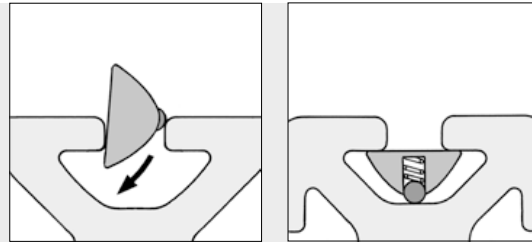


A secure hold in all positions. T-Slot Nut St is available for all profile lines. Its key feature is the thrust piece on the underside, which incorporates a spring that enables the user to roll the T-Slot Nut into the groove. The thrust piece then holds the T-Slot Nut securely in place, making assembly much easier.

T-Slot Nut St is available in a range of thread sizes from M3 to M12 to suit various applications and loads.

Note regarding T-Slot Nut V 8 M8:

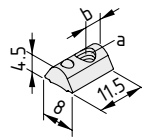
The load-carrying capacity of this T-Slot Nut with anti-torsion feature is 20 percent lower than that of the comparable T-Slot Nut 8.



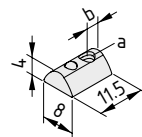
T-Slot Nuts St are inserted into the profile groove where they are secured in position by means of thrust pieces.

Materials used in all the following products:

St

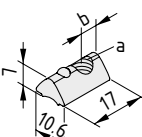


T-Slot Nut 5 St M3			
a = M3	b = 3 mm	M = 1.5 Nm	m = 2.0 g
bright zinc-plated, 1 pce.			0.0.437.19



T-Slot Nut 5 St M4			
a = M4	b = 3 mm	M = 3 Nm	m = 2.0 g
bright zinc-plated, 1 pce.			0.0.370.06

T-Slot Nut 5 St M5			
a = M5	b = 4 mm	M = 4.5 Nm	m = 2.0 g
bright zinc-plated, 1 pce.			0.0.370.01



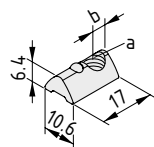

T-Slot Nut 5 St M4			
a = M4	b = 3 mm	M = 2.4 Nm	m = 2.0 g
stainless, 1 pce.			0.0.425.10

T-Slot Nut 5 St M5			
a = M5	b = 4 mm	M = 3.6 Nm	m = 2.0 g
stainless, 1 pce.			0.0.425.11

T-Slot Nut 6 St M3			
a = M3	b = 4.5 mm	M = 1.5 Nm	m = 4.0 g
bright zinc-plated, 1 pce.			0.0.459.44


T-Slot Nut 6 St M4			
a = M4	b = 4.5 mm	M = 4 Nm	m = 4.0 g
bright zinc-plated, 1 pce.			0.0.419.46

T-Slot Nut 6 St M5			
a = M5	b = 4.5 mm	M = 8 Nm	m = 4.0 g
bright zinc-plated, 1 pce.			0.0.419.43


T-Slot Nut 6 St M6 


a = M6 b = 5.5 mm M = 14 Nm m = 4.0 g

bright zinc-plated, 1 pce. 0.0.419.40

T-Slot Nut 6 St M5 

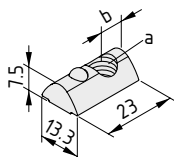

a = M5 b = 4.5 mm M = 6.5 Nm m = 4.0 g

stainless, 1 pce. 0.0.439.72

T-Slot Nut 6 St M6 

a = M6 b = 5.5 mm M = 11 Nm m = 4.0 g

stainless, 1 pce. 0.0.439.75


T-Slot Nut V 8 St M4 


a = M4 b = 7.5 mm M = 4 Nm m = 11.1 g

bright zinc-plated, 1 pce. 0.0.480.57

T-Slot Nut V 8 St M5 


a = M5 b = 7.5 mm M = 8 Nm m = 10.6 g

bright zinc-plated, 1 pce. 0.0.480.54

T-Slot Nut V 8 St M6 

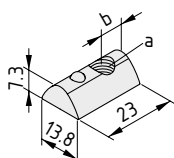

a = M6 b = 6.5 mm M = 14 Nm m = 10.3 g

bright zinc-plated, 1 pce. 0.0.480.50

T-Slot Nut V 8 St M8 

a = M8 b = 7.5 mm M = 20 Nm m = 9.3 g


bright zinc-plated, 1 pce. 0.0.480.48


T-Slot Nut 8 St M4 

a = M4 b = 7.5 mm M = 4 Nm m = 11.0 g

bright zinc-plated, 1 pce. 0.0.420.06


stainless, 1 pce. 0.0.428.54

T-Slot Nut 8 St M5 

a = M5 b = 7.5 mm M = 8 Nm m = 11.0 g

bright zinc-plated, 1 pce. 0.0.420.05


stainless, 1 pce. 0.0.428.55

T-Slot Nut 8 St M6 

a = M6 b = 6.5 mm M = 14 Nm m = 10.0 g

bright zinc-plated, 1 pce. 0.0.026.23

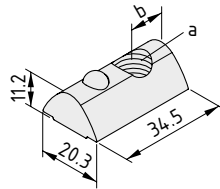
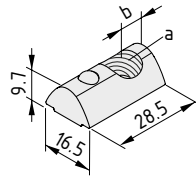
stainless, 1 pce. 0.0.388.51

T-Slot Nut 8 St M8 

a = M8 b = 7.5 mm M = 25 Nm m = 10.0 g

bright zinc-plated, 1 pce. 0.0.026.18

stainless, 1 pce. 0.0.388.49



T-Slot Nut 10 St M6	
a = M6 mm b = 8.5 mm M = 14 Nm m = 22.4 g	
bright zinc-plated, 1 pce.	0.0.625.06
T-Slot Nut 10 St M8	
a = M8 mm b = 8.5 mm M = 34 Nm m = 21.1 g	
bright zinc-plated, 1 pce.	0.0.625.04
T-Slot Nut 10 St M10	
a = M10 mm b = 8.5 mm M = 46 Nm m = 19.4 g	
bright zinc-plated, 1 pce.	0.0.625.02
T-Slot Nut 12 St M6	
a = M6 b = 11.3 mm M = 14 Nm m = 38.0 g	
bright zinc-plated, 1 pce.	0.0.003.72
T-Slot Nut 12 St M8	
a = M8 b = 11.3 mm M = 34 Nm m = 35.0 g	
bright zinc-plated, 1 pce.	0.0.003.63
T-Slot Nut 12 St M10	
a = M10 b = 11.3 mm M = 46 Nm m = 33.0 g	
bright zinc-plated, 1 pce.	0.0.003.64
T-Slot Nut 12 St M12	
a = M12 b = 11.3 mm M = 80 Nm m = 31.0 g	
bright zinc-plated, 1 pce.	0.0.003.65



T-Slot Nuts St with 2 Threads

- Second thread provides additional hold
- Extremely easy to use

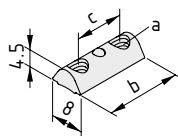


T-Slot Nuts St with 2 Threads are primarily intended for use with Angle Elements T2 and Universal and Automatic Fasteners (see section on fastening technology) to construct stable latticework structures. However, they can also be used with all other profile connections.

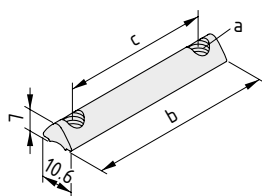
With a suitable grub screw in one of their threaded bores, these T-Slot Nuts create a non-slip thread in the profile groove.

Materials used in all the following products:

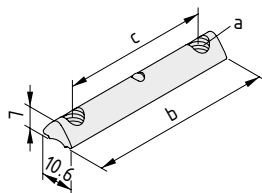
St



T-Slot Nut 5 St 2xM4-18					5
a	b [mm]	c [mm]	M [Nm]	m [g]	
M4	18	11.6	8	3.0	
bright zinc-plated, 1 pce.					0.0.614.40



T-Slot Nut 5 St 2xM4-20					5
a	b [mm]	c [mm]	M [Nm]	m [g]	
M4	20	13.6	8	3.3	
bright zinc-plated, 1 pce.					0.0.614.42

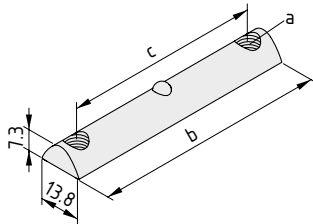
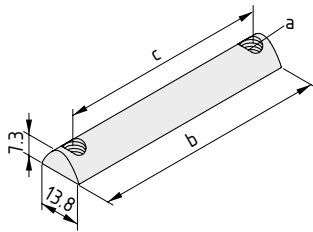


T-Slot Nut 6 St 2xM5-28					6
a	b [mm]	c [mm]	M [Nm]	m [g]	
M5	28	19	8	8.0	
bright zinc-plated, 1 pce.					0.0.459.78

T-Slot Nut 6 St 2xM5-58					6
a	b [mm]	c [mm]	M [Nm]	m [g]	
M5	58	49	8	17.0	
bright zinc-plated, 1 pce.					0.0.459.82

T-Slot Nut 6 St 2xM6-28					6
a	b [mm]	c [mm]	M [Nm]	m [g]	
M6	28	17	14	7.0	
bright zinc-plated, 1 pce.					0.0.610.10

T-Slot Nut 6 St 2xM6-58					8
a	b [mm]	c [mm]	M [Nm]	m [g]	
M6	58	47	14	16.0	
bright zinc-plated, 1 pce.					0.0.610.72



T-Slot Nut 8 St 2xM6-36				
a	b [mm]	c [mm]	M [Nm]	m [g]
M6	36	26.4	14	16.0
bright zinc-plated, 1 pce.				0.0.406.77

T-Slot Nut 8 St 2xM6-76				
a	b [mm]	c [mm]	M [Nm]	m [g]
M6	76	66.4	14	38.0
bright zinc-plated, 1 pce.				0.0.406.78

T-Slot Nut 8 St 2xM8-36				
a	b [mm]	c [mm]	M [Nm]	m [g]
M8	36	24	25	14.0
bright zinc-plated, 1 pce.				0.0.610.80

T-Slot Nut 8 St 2xM8-76				
a	b [mm]	c [mm]	M [Nm]	m [g]
M8	76	64	25	36.0
bright zinc-plated, 1 pce.				0.0.611.08



Hammerhead Nut 8 M6

- Rapid hold with a flick of the wrist
- Secure ESD contact as standard

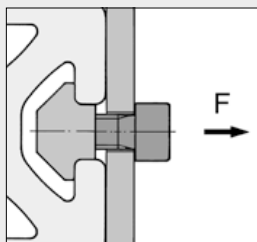


For the fastest possible fastening in the profile groove – insert a screw that has already been fitted with Hammerhead Nut 8 St. When the screw is tightened, the Hammerhead Nut rotates around 90° and is clamped in the groove. A safe contact is made by partially destroying the anodized layer, making the fastening ESD dissipative.

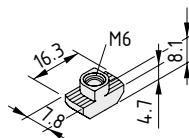


Note

The Hammerhead Nut has a self-locking thread. This generates the drag torque (2 Nm) when tightening the screw.



Permissible operating load
F = 1,000 N



Hammerhead Nut 8 M6	
St	m = 2.8 g
M = 6 Nm	
bright zinc-plated, 1 pce.	
0.0.626.06	



T-Slot Nuts Zn

Straightforward fixing due to preassembly

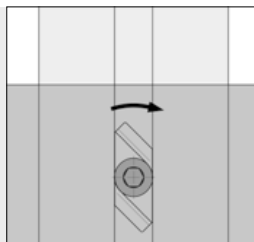
- Simple fastening for components
- Automatically locked when screw is tightened



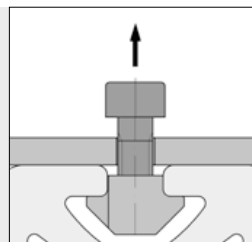
The ideal solution when speed is of the essence. T-Slot Nut Zn is provisionally screwed into place on the component that is to be fastened and then inserted anywhere along the groove of the supporting profile. When the screw is tightened, T-Slot Nut Zn automatically locks into place and creates a secure thread.

Note:

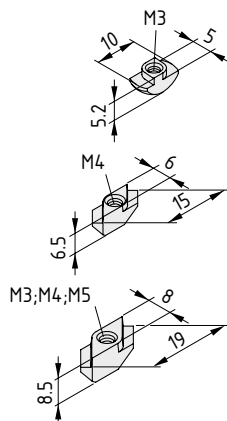
T-Slot Nut Zn is not suitable for connecting profiles to other profiles.



T-Slot Nuts Zn can, if required, be prefitted (with the screw) to the component to be secured and are inserted at any position in the profile groove.



Tightening the screw automatically locks the T-Slot Nut in the groove. Pulling the screw fixes T-Slot Nuts 6 Zn and 8 Zn in the groove by means of the conical flanks.



The following applies to all the products below:

Die-cast zinc

T-Slot Nut 5 Zn M3

M = 1 Nm m = 1.0 g

bright zinc-plated, 1 pce.

0.0.391.20

T-Slot Nut 6 Zn M4

M = 1.5 Nm m = 2.2 g

bright zinc-plated, 1 pce.

0.0.441.45

T-Slot Nut 8 Zn M3

M = 1 Nm m = 5.0 g

bright zinc-plated, 1 pce.

0.0.373.59

T-Slot Nut 8 Zn M4

M = 1.5 Nm m = 5.0 g

bright zinc-plated, 1 pce.

0.0.373.58

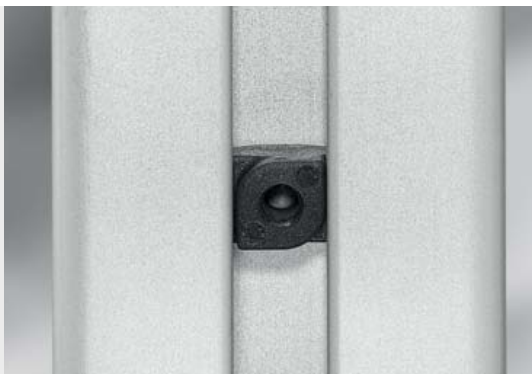
T-Slot Nut 8 Zn M5

M = 1.5 Nm m = 5.0 g

bright zinc-plated, 1 pce.

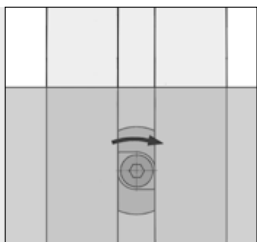
0.0.373.44

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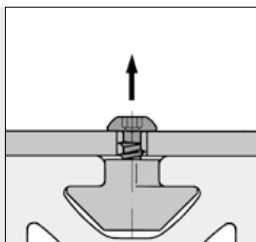


T-Slot Nut PA

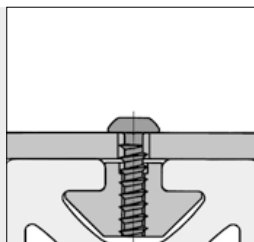
- For fastening lightweight components with low loads
- Straightforward assembly



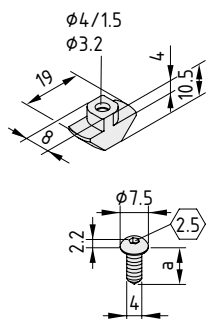
T-Slot Nut PA can, if required, be prefitted (using the screw) to the component to be secured and is inserted at any position in the profile groove.



Tightening the screw automatically locks the T-Slot Nut in the groove.



Button-Head Screw T4 from item has been specially designed for use with T-Slot Nut 8 PA. This screw cuts its own thread in the plastic body.



T-Slot Nut 8 PA



PA-GF
M = 1.5 Nm m = 1.0 g
black, 1 pce.

0.0.436.52

Button-Head Screw T4x12

St
a = 12 mm m = 1.0 g
bright zinc-plated, 1 pce.

0.0.440.39

Button-Head Screw T4x14

St
a = 14 mm m = 1.1 g
bright zinc-plated, 1 pce.

0.0.440.40

Button-Head Screw T4x16

St
a = 16 mm m = 1.2 g
bright zinc-plated, 1 pce.

0.0.440.41

Button-Head Screw T4x18

St
a = 18 mm m = 1.3 g
bright zinc-plated, 1 pce.

0.0.440.42

Button-Head Screw T4x25

St
a = 25 mm m = 1.6 g
bright zinc-plated, 1 pce.

0.0.440.43



T-Slot Nuts St/PA

- Plastic housing prevents slipping in the groove
- For rapidly installing non-supporting elements

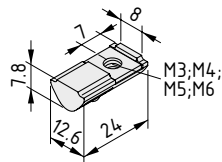


3

T-Slot Nuts St/PA are particularly easy to use because their patented plastic coating holds them firmly in the groove. However, they can still be moved along a groove with ease. Once they have been screwed into place they provide a lasting, secure hold. T-Slot Nuts St/PA are not designed for connecting one profile to another.

Materials used in all the following products:

Body PA-GF
Square nut insert St

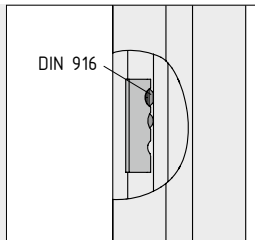


T-Slot Nut 8 St/PA M3	
M = 1 Nm m = 2.0 g	
black, 1 pce.	0.0.416.26
T-Slot Nut 8 St/PA M4	
M = 2 Nm m = 2.0 g	
black, 1 pce.	0.0.416.23
T-Slot Nut 8 St/PA M5	
M = 4.5 Nm m = 2.0 g	
black, 1 pce.	0.0.416.20
T-Slot Nut 8 St/PA M6	
M = 8 Nm m = 2.0 g	
black, 1 pce.	0.0.416.17



T-Slot Nuts F

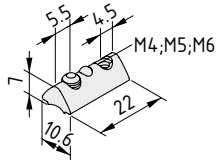
- For conductive profile connections
- Securely held in position



T-Slot Nut F combines the advantages of T-Slot Nut St with the requirements of ESD-safe systems. It produces a permanent conductive connection between the T-Slot Nut and the profile. This establishes an electrically conductive profile connection without the need for any additional elements. This is made possible by partially destroying the electrically insulating anodized surface covering of the profile at the base of the T-slot.

Materials used in all the following products:

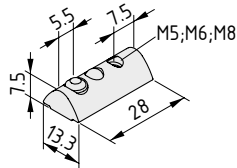
St
Grub screw DIN 916 M5x5, St, bright zinc-plated



T-Slot Nut F 6 St M4	
M = 4 Nm m = 7.0 g	
bright zinc-plated, 1 pce.	0.0.613.23
T-Slot Nut F 6 St M5	
M = 4 Nm m = 6.7 g	
bright zinc-plated, 1 pce.	0.0.613.22
T-Slot Nut F 6 St M6	
M = 4 Nm m = 6.4 g	
bright zinc-plated, 1 pce.	0.0.613.21

Materials used in all the following products:

St
Grub screw DIN 916 M6x6, St, bright zinc-plated



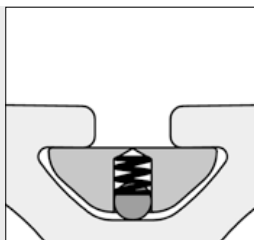
T-Slot Nut F 8 St M5	
M = 4 Nm m = 12.7 g	
bright zinc-plated, 1 pce.	0.0.613.20
T-Slot Nut F 8 St M6	
M = 4 Nm m = 12.3 g	
bright zinc-plated, 1 pce.	0.0.613.19
T-Slot Nut F 8 St M8	
M = 4 Nm m = 11.4 g	
bright zinc-plated, 1 pce.	0.0.613.18



T-Slot Nuts St, heavy-duty

The heavyweights – for constructions with exceptionally high loads

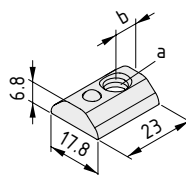
- Effective transferral of tensile loads into the profile
- More supporting threads for stronger screw connections
- Ideal for heavily loaded connections



T-Slot Nuts St, heavy-duty are inserted into the profile groove in the end face where they are secured in position by means of a thrust piece.

Materials used in all the following products:

St




T-Slot Nut 8 St M6, heavy-duty 

a = M6 b = 6.5 mm M = 14 Nm m = 17.0 g

bright zinc-plated, 1 pce.

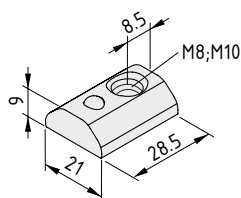
0.0.427.75


T-Slot Nut 8 St M8, heavy-duty 

a = M8 b = 7.5 mm M = 34 Nm m = 16.0 g

bright zinc-plated, 1 pce.

0.0.420.83




T-Slot Nut 10 St M8, heavy-duty 

M = 34 Nm m = 32.0 g

bright zinc-plated, 1 pce.

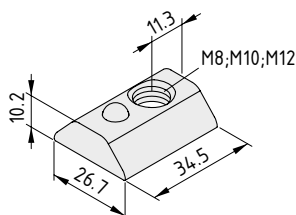
0.0.624.97


T-Slot Nut 10 St M10, heavy-duty 

M = 65 Nm m = 30.5 g

bright zinc-plated, 1 pce.

0.0.624.95




T-Slot Nut 12 St M8, heavy-duty 

M = 34 Nm m = 50.0 g

bright zinc-plated, 1 pce.


0.0.003.66

T-Slot Nut 12 St M10, heavy-duty 

M = 65 Nm m = 47.0 g

bright zinc-plated, 1 pce.

0.0.003.67

T-Slot Nut 12 St M12, heavy-duty 

M = 100 Nm m = 45.0 g

bright zinc-plated, 1 pce.

0.0.003.68

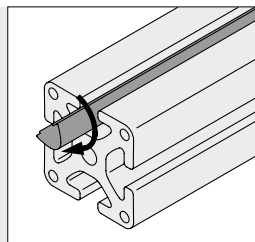


Profile Bars and Groove Profiles

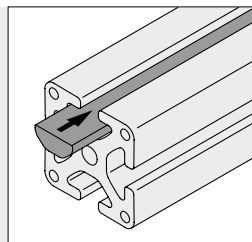
- For anchoring entire modules in the profile groove
- Threads can be positioned at will according to requirements



The ability to customise the Profile Bars and Groove Profiles mean that fastening elements can be produced which are geared to the needs of specific applications.



Profile Bars St are swivelled into the profile groove.



Profile Bars St, heavy-duty are slid into the groove profile.



Profile Bar 5 St



St
Threaded bore max. M5
m = 89.0 g

bright zinc-plated, 1 pce., length 500 mm

0.0.370.56



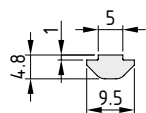
Profile Bar 5 St



St
Threaded bore max. M5
m = 89.0 g

stainless, 1 pce., length 500 mm

0.0.425.18



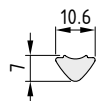
Groove Profile 5 Al



Al, anodized
Threaded bore max. M5
m = 89 g/m

natural, 1 pce., length 2000 mm

0.0.425.82



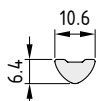
Profile Bar 6 St



St
Threaded bore max. M6
m = 170.0 g

bright zinc-plated, 1 pce., length 500 mm

0.0.431.04



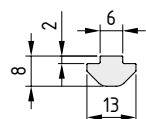
Profile Bar 6 St



St
Threaded bore max. M6
m = 170.0 g

stainless, 1 pce., length 500 mm

0.0.439.03



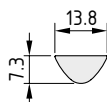
Groove Profile 6 Al



Al, anodized
Threaded bore max. M6
m = 200 g/m

natural, 1 pce., length 2000 mm

0.0.434.29

**Profile Bar 8 St**

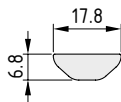
St
Threaded bore max. M8
m = 270.0 g

bright zinc-plated, 1 pce., length 500 mm

0.0.026.70

stainless, 1 pce., length 500 mm

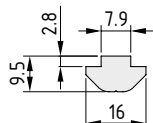
0.0.388.48

**Profile Bar 8 St, heavy-duty**

St
Threaded bore max. M8
m = 410.0 g

bright zinc-plated, 1 pce., length 500 mm

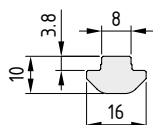
0.0.427.23

**Groove Profile 8 Al**

Al, anodized
Threaded bore max. M8
m = 290 g/m

natural, 1 pce., length 2000 mm

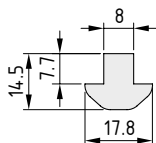
0.0.427.39

**Groove Profile 8 St**

St
Threaded bore max. M8
m = 440.0 g

bright zinc-plated, 1 pce., length 500 mm

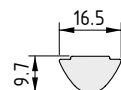
0.0.444.32

**Locating Profile 8 Al**

Al, anodized
m = 900.0 g

natural, 1 pce., length 2000 mm

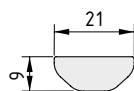
0.0.009.20

**Profile Bar 10 St**

St
Threaded bore max. M10
m = 438.0 g

bright zinc-plated, 1 pce., length 500 mm

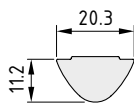
0.0.624.81

**Profile Bar 10 St, heavy-duty**

St
Threaded bore max. M10
m = 615.4 g

bright zinc-plated, 1 pce., length 500 mm

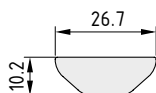
0.0.624.85

**Profile Bar 12 St**

St
Threaded bore max. M12
m = 600.0 g

bright zinc-plated, 1 pce., length 500 mm

0.0.003.74

**Profile Bar 12 St, heavy-duty**

St
Threaded bore max. M12
m = 840.0 g

bright zinc-plated, 1 pce., length 500 mm

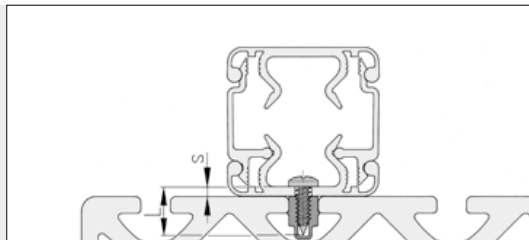
0.0.003.75

3

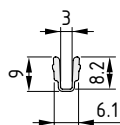


Screw Strips Al

- Screw channel for creating fastenings at any position using Self-Tapping Screws
- Strips are simply pressed into the profile groove



Example of how a cable conduit is secured with Screw Strip 8 Al and Self-Tapping Screws DIN 7981 St 4.2x13. The required screw length L must be selected to match the workpiece thickness s.



Screw Strip 6 Al



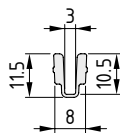
Al, anodized
m = 70 g/m

natural, cut-off max. 2000 mm

0.0.439.17

natural, 1 pce., length 2000 mm

0.0.451.50



Screw Strip 8 Al



Al, anodized
m = 130 g/m

natural, cut-off max. 2000 mm

0.0.411.44

natural, 1 pce., length 2000 mm

0.0.453.47