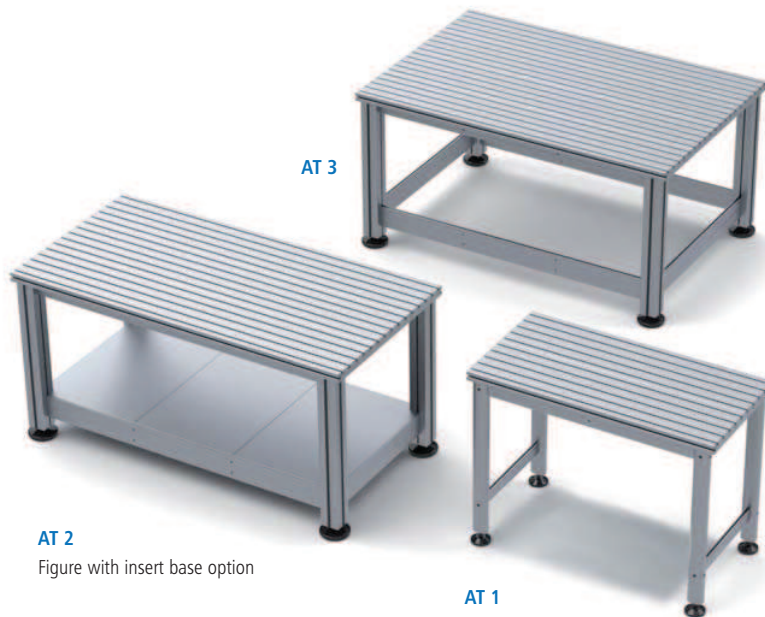


Workbenches

AT



AT 2
Figure with insert base option

Features

Workbenches AT for clamping devices, clamping means, for measurement, checking, testing, etc.

- Sub-frame from aluminium profiles PS series with braces made from aluminium panel profiles PP series
- Aluminium bench plate RE series of rectangular profiles 40 × 250 mm with T-slots

Options

- Length up to 2 m
- Various accessories

Accessories

Insert base for AT 1
Part no.: **248551 0010**

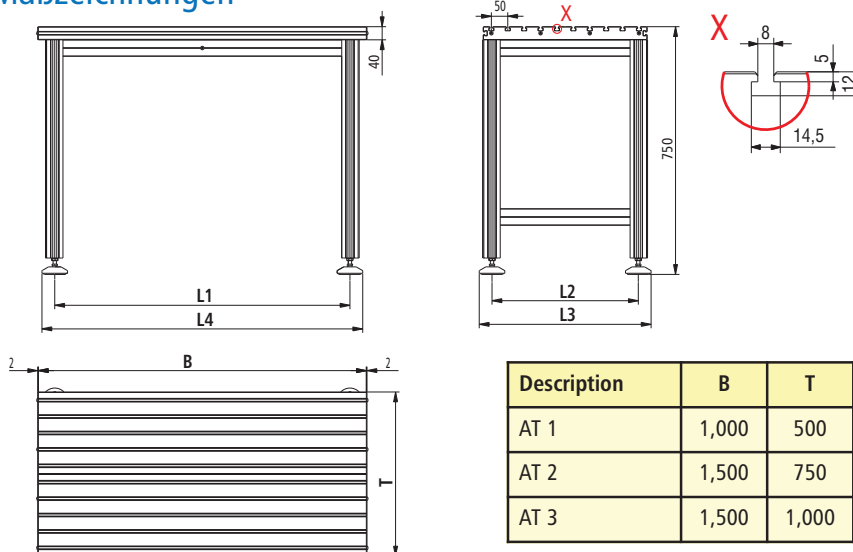
Insert base for AT 2
Part no.: **248551 0012**

Insert base for AT 3
Part no.: **248551 0013**

Ordering data

Part no.	Description	Load: Surface load	Weight	suitable for
248 550 0010	AT 1, W 1,000 x D 500 x H 750 mm	200 kg	approx. 30 kg	
248 550 0012	AT 2, W 1,500 x D 750 x H 750 mm	400 kg	approx. 60 kg	
248 550 0013	AT 3, W 1,500 x D 1,000 x H 750 mm	400 kg	approx. 75 kg	ICP/ICV 4030

Maßzeichnungen



Description	B	T	L 1	L 2	L 3	L 4
AT 1	1,000	500	900	446	526	980
AT 2	1,500	750	1,380	660	780	1,500
AT 3	1,500	1,000	1,380	910	1,030	1,500

Rectangular profiles

RE 40



Features

- Universal precision, clamping and machining surface
- As a stabiliser for machine and subframe constructions
- Aluminium, naturally anodised
- Produced in accordance with DIN EN 12020-2
- Light & very stable
- Numerous applications with the accessories are possible
- Profile cutting upon request
- Extensive range of accessories (see page B-14)

Technical specifications

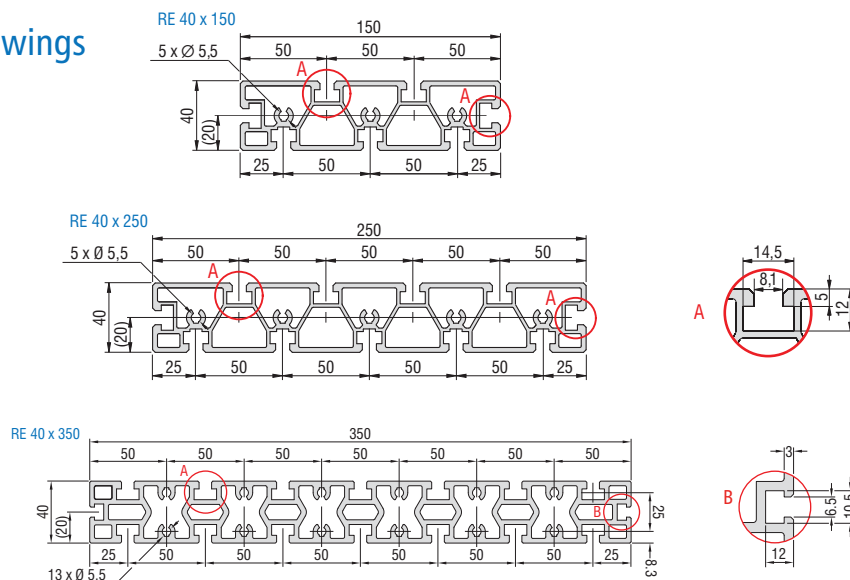
	RE 40		
	150 x 40 mm	250 x 40 mm	350 x 40 mm
Dimensions (W × H)	150 x 40 mm	250 x 40 mm	350 x 40 mm
Length	up to 3 metres (special lengths upon request)		
Weight	approx. 4.8 kg/m	approx. 7.6 kg/m	approx. 13.380 g/m
	various cavities and T-key inserts for sliding nuts or M6 tapped strips for frontal inserts for M6 screws		
Moment of inertia I_x	393.7 cm ⁴	1654.53 cm ⁴	5,626.00 cm ⁴
Moment of inertia I_y	33.42 cm ⁴	54.18 cm ⁴	97.45 cm ⁴
Moment of resistance W_x	52.49 cm ³	131.64 cm ³	321.48 cm ³
Moment of resistance W_y	16.71 cm ³	27.09 cm ³	48.5 cm ³

Ordering data

Profile description	Part no.: L = 1000 mm
	Part no.: L = 3000 mm*
RE 40 W 150 x H 40 mm	201 035 1000 201 035 3000*
RE 40 W 250 x H 40 mm	201 030 1000 201 030 9000*
RE 40 W 350 x H 40 mm	201 031 1000 201 031 3000*

*Raw profile length L=3050 ... 3100 mm

Dimensioned drawings



T-slot plates

PT 25



Features

- Universal precision, clamping and machining surface
- Aluminium, naturally anodised
- Produced in accordance with DIN EN 12020-2
- Milled flat on both sides
- For use with any machine
- Thick walled, distortion-free and extremely form-retaining
- Profile cutting to order
- Extensive range of accessories (see page B-14)
- Option:
 - Drainage channel for small quantities of liquid

Technical specifications

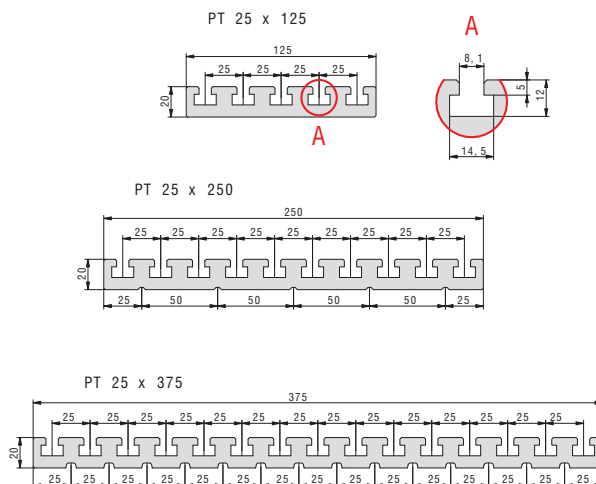
	PT 25		
Dimensions (W × H)	125 x 20 mm	250 x 20 mm	375 x 20 mm
Length	up to 3 metres (special lengths upon request)		
Weight	appr. 4.8 kg/m	appr. 9.6 kg/m	appr. 13.7 kg/m
T-slots	one-sided in 25 mm raster		
Moment of inertia I_x	243.36 cm ⁴	1848.57 cm ⁴	5996.01 cm ⁴
Moment of inertia I_y	6.46 cm ⁴	12.77 cm ⁴	17.90 cm ⁴
Moment of resistance W_x	38.94 cm ³	147.88 cm ³	319.79 cm ³
Moment of resistance W_y	6.46 cm ³	12.77 cm ³	17.90 cm ³

Ordering data

L [mm]	PT 25	PT 25	PT 25
	W 125 x H 20 mm	W 250 x H 20 mm	W 375 x H 20 mm
	Part no.	Part no.	Part no.
400	201 014 0400	201 018 0400	201 020 0400
500	201 014 0500	201 018 0500	201 020 0500
600	201 014 0600	201 018 0600	201 020 0600
700	201 014 0700	201 018 0700	201 020 0700
800	201 014 0800	201 018 0800	201 020 0800
900	201 014 0900	201 018 0900	201 020 0900
1000	201 014 1000	201 018 1000	201 020 1000
1100	201 014 1100	201 018 1100	201 020 1100
1200	201 014 1200	201 018 1200	201 020 1200
1300	201 014 1300	201 018 1300	201 020 1300
1400	201 014 1400	201 018 1400	201 020 1400
1500	201 014 1500	201 018 1500	201 020 1500
1800	201 014 1800	201 018 1800	201 020 1800
2000	201 014 2000	201 018 2000	201 020 2000
2500	201 014 2500	201 018 2500	201 020 2500
3000*	201 014 3000*	201 018 3000*	201 020 3000*

*Raw profile length L=3050 ... 3100 mm

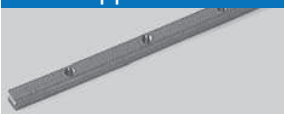
Maßzeichnungen



T-nuts see accessories for aluminium profiles.

Accessories

Tapped rails



M6 tapped rail

- 13 x 6 mm
- Galvanised
- M6 Ra 50 mm
- VE 3 units at 1 m
- For PT/RE 40, 65

Part no.: 209010

M6 tapped rail

- 10 x 4 mm
- Galvanised
- M6 Ra 50 mm
- VE 3 units at 1 m
- For all except PT/RE 40, 65/SP

Part no.: 209011

Sliding nuts



M6 sliding nut (Figure 1)

- L25 x W10 x H3.5
- Galvanised
- VE 100 units
- All except PT/RE 40, 65

Part no.: 209001 0005

M6 sliding nut (Figure 1)

- L 25 x W 13 x H 5
- Galvanised
- VE 50 units
- For PT/RE 40, 65

Part no.: 209004 0001

2 x M6 sliding nuts (Figure 2)

- L45 x W10 x H3.5
- Galvanised
- VE 50 units
- For all except PT/RE 40, 65

Part no.: 209002 0004

2 x M6 sliding nuts (Figure 2)

- L 45 x W 13 x H 6
- Galvanised
- 2xM6 Ra 25mm
- VE 25 units
- For PT/RE 40, 65

Part no.: 209005 0001

M5 sliding nut

- L25 x W10 x H3.5
- Galvanised
- VE 20 units
- For all except PT/RE 40, 65

Part no.: 209006 0001

Angle sliding nut

2 x M6 (Figure 3)

- Galvanised
- VE 25 units
- For all except PT/RE 40, 65

Part no.: 209021 0003

Special angle sliding nut

3 x M6 (Figure 4)

- Galvanised
- VE 25 units
- For all except PT/RE 40, 65

Part no.: 209022 0003

Sliding nuts



M5/M6 sliding nuts

- Galvanised
- VE 20 units
- for PT25, PT 50, PS 200, RE 40 and RE 65 (securing only possible at the top) with spring

Part no.: 209005 0002 (M5/Figure 1)

Part no.: 209005 0003 (M6/Figure 2) with large chamfer

Part no.: 209005 0004 (M6/Figure 3) in rhombus shape

Part no.: 209005 0005 (M5/Figure 4)

Part no.: 209005 0006 (M6/Figure 5)

Tension rods



Tension rods SE

- With M6 setting screw
- VE 2 units
- For RE/PT

Part no.: 290051

Clamping devices



Hand lever clamping device

SH 1

- for RE/PT

Part no.: 290001

Hand lever clamping device

SH 2

- For RE/PT

Part no.: 290002

Stop rails



Stop rail (galvanised)

- W 20 x H 10 • Ra 50
- VE 2 units + fixing material

L 125 mm

Part no.: 290021 0125

L 175 mm

Part no.: 290021 0175

L 225 mm

Part no.: 290021 0225

T-keys



M6 T-keyways

- DIN 508
- Hardened
- VE 20 units
- For PT/RE 40, 65

Part no.: 209119 0003

Edging strip



Black edging strip

1-part

- For plate thicknesses 3 - 4 mm
- VE 10 m

Part no.: 209202 0002 (PU profiles)

Part no.: 209202 0001

(PP-/RE- and PS profiles)

PP 50 cross-braces



PP 50 cross-braces

- L 490 mm
- Mitred
- M6 drillings

• for all except PT/RE 40, 65

Part no.: 209300 0000

Hinge strip



Plastic hinge strip

- L 65 x W 40
- VE 10 units + fixing
- Ra 43 x 20 mm
- For PL

Part no.: 209050 0012

Aluminium hinge strip

- L 40 x W 40 mm
- VE 10 units + fixing
- Ra 25 x 25 mm
- For all except PT/RE 40, 65

Part no.: 209050 0011

Accessories

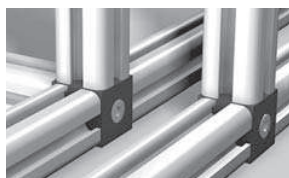
Profile connection cubes



Profile connection cubes black

- VE 10 units + fixing material
- For PU 25

2 x Part no.: **209104 0002**
Part no.: Part no.: **209103 0002**



Profile connection cubes, black

- VE 10 units + fixing material
- For PU 25

Part no.: Part no.: **209106 0002**
Part no.: Part no.: **209107 0002**

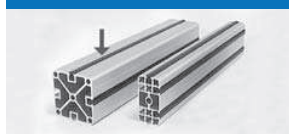


Profile connection cubes black

- VE 10 units + fixing material
- For PU 25

Four-fold Part no.: **209108 0002**
Five-fold Part no.: **209109 0002**

T-slot cover



T-slot cover

- VE 30 m
- (turquoise = similar to RAL 5018)
- For all except PT/RE 40, 65

black Part no.: **209201 0004**
turquoise Part no.: **209201 0003**
light grey Part no.: **209201 0007**

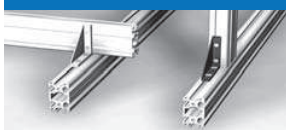
Profile covers



Profile covers, black

- PU 25 - 25 units
Part no.: **209105 0003**
- PU 50 - 25 units
Part no.: **209126 0003**
- PL 40 - 20 units
Part no.: **209127 0003**
- PL 80 - 20 units
Part no.: **209128 0003**
- PS 50 - 25 units
Part no.: **209129 0003**
- PS 80 - 20 units
Part no.: **209130 0003**
- PS 140 - 10 units
Part no.: **209130 1001**

Aluminium corner connector



Aluminium corner connector

- L 25 x W 25 x H 15 mm
- VE 10 units + fixing material
- For PL, PS, PU, PP
- natural
Part no.: **209114 0101**
- black
Part no.: **209114 0111**
- L 40 x W 40 x H 22 mm
- VE 10 units + fixing material
- For PP/PU/PS/PU
- natural
Part no.: **209115 0101**
- black
Part no.: **209115 0111**
- L 50 x W 50 x H 15
- VE 10 units + fixing material
- For RE/PU/PS
- natural
Part no.: **209116 0101**
- black
Part no.: **209116 0111**
- L 80 x W 80 x H 22
- VE 10 units + fixing material
- For PP/PU/PS/PU
- natural
Part no.: **209117 0101**
- black
Part no.: **209117 0111**

Plastic equipment bases



Plastic equipment bases with rubber plate

- VE 4 units + setting screws
- Black

For PL 40/PS 50

- Ø 60
- M10 x 50 setting screws
- Part no.: **209032 0003**

for PL 80 / PS 80

- Ø 80
- M12 x 50 setting screws
- Part no.: **209034 0001**

for PL 80 / PS 80

- Ø 120
- Setting screws M12 x 50
- Black
- Part no.: **209033 0003**

Guide rollers



Rubber-tired guide rollers Ø 75 (M10)

- VE 4 units
- 2 with and 2 without locking device
- for PL 40/PS 50

Part no.: **209043 0011**

Aluminium equipment bases



Aluminium equipment bases with rubber plate

- for PU 50
- VE 4 units, with setting screws and reducing bushings
 - Ø 50
 - M6 x 30 setting screws
 - Natural
 - Part no.: **209030 0000**

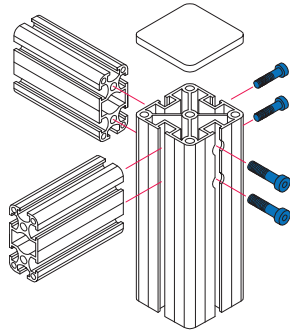
for PS 100/140

- Ø 170
- M16 x 100 setting screws
- Black
- Part no.: **209035 0001**

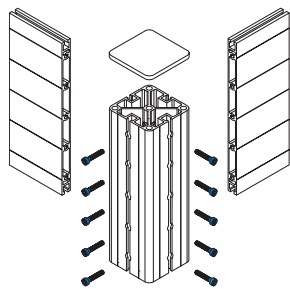
Profile connections

Examples:

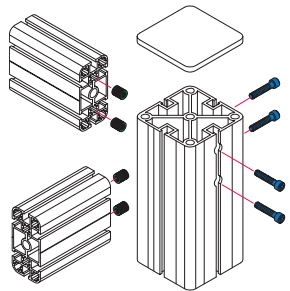
PS 50 with PU 50



PS 50 with PP 250



PS 80 with PL 80



Allen screws

Allen screws
M6 × 25 mm

- VE 10 units
Part no.: **209147 0009**
- VE 50 units
Part no.: **209147 0010**

Allen screws
M6 x 50 mm

- VE 10 units
Part no.: **209147 0003**
- VE 50 units
Part no.: **209147 0004**

Allen key
SW 5

- DIN 911
- VE 1 unit
Part no.: **931152**

Tapped bushings

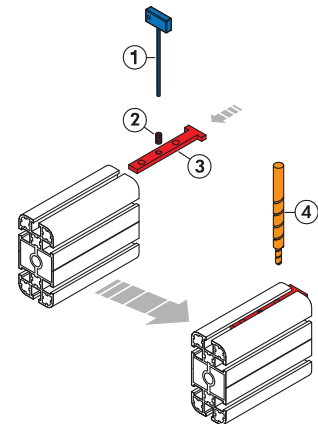
Tapped bushings
M9/M6

- VE 10 units
Part no.: **209147 0001**
- VE 50 units
Part no.: **209147 0002**

Tapped bushings
M10/M6

- VE 10 units
Part no.: **209147 0124**
- VE 50 units
Part no.: **209147 0125**

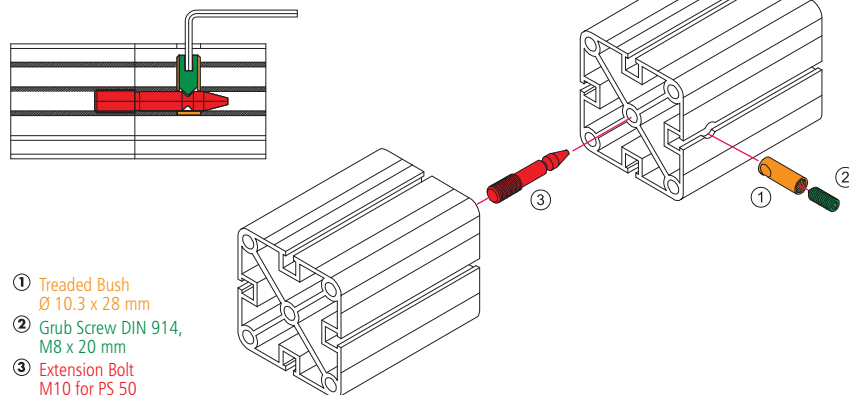
Example PL 80



- ① Hexagon-socket screwdriver
- ② Grub Screw
- ③ Drilling Template
- ④ Twist Drill
Ø 6 mm / Ø 10.4 mm

Example:

Profile snaplock extension for PS 50



- ① Threaded Bush
Ø 10.3 x 28 mm
- ② Grub Screw DIN 914,
M8 x 20 mm
- ③ Extension Bolt
M10 for PS 50

for PS 50/PL 40 (M10)

- Locking bush, tapped pin, extension bolts
- 10 sets
Part no.: **209147 0120**
- 50 sets
Part no.: **209147 0121**

for PS 80/PL 80 (M12)

- Locking bush, tapped pin, extension bolts
- 10 sets
Part no.: **209147 0122**
- 50 sets
Part no.: **209147 0123**

matching drill pattern 2

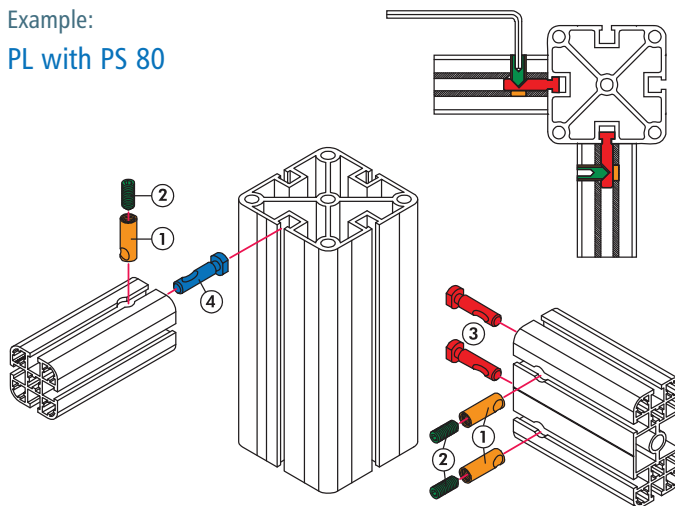
Part no.: **290015 0002**

Stepped drill

- Ø 6/Ø 10.4 mm
Part no.: **400090**

Profile snaplock connections

Example:
PL with PS 80



- ① Treaded Bush \varnothing 10.3 x 28 mm
- ② Grub Screw DIN 914, M6 x 20 mm
- ③ Connection Bolt 0° for PL 40 and PL 80
- ④ Connection Bolt 90° for PL 40 and PL 80

Snaplock connection

for PL

- Locking bush, tapped pin and bolts 0°
- 10 sets:
Part no.: **209147 0102**
- 50 sets:
Part no.: **209147 0103**

for PL

- Locking bush, tapped pin and bolts 90°
- 10 sets:
Part no.: **209147 0112**
- 50 sets:
Part no.: **209147 0113**

for PP/PU

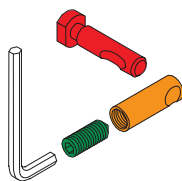
- Locking bush, tapped pin and bolts 0°
- 10 sets:
Part no.: **209147 0100**
- 50 sets:
Part no.: **209147 0101**

for PP/PU

- Locking bush, tapped pin and bolts 90°
- 10 sets:
Part no.: **209147 0110**
- 50 sets:
Part no.: **209147 0111**

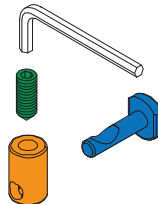
Snaplock
connection
0 degrees

e.g. for
PL / PS 80

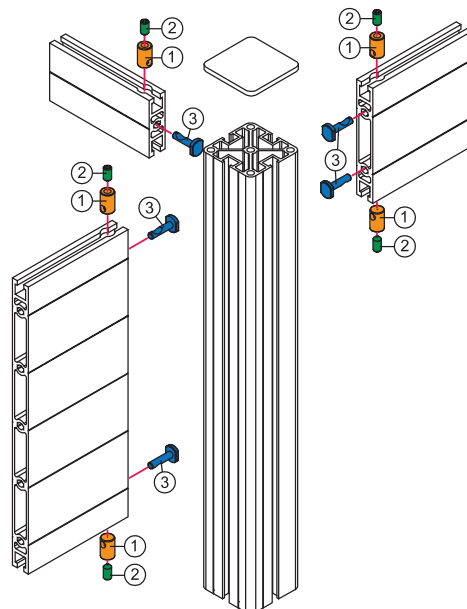


Snaplock
connection
90 degrees

e.g. for
PP / PU / PS



Example:
PP with PS 50



- ① Treaded Bush \varnothing 10.3 x 16,5 mm
- ② Grub Screw DIN 914, M6 x 12 mm
- ③ Connection Bolt 90°

Stepped drill

- \varnothing 6 mm/ \varnothing 10.4 mm
- Part no.: **400090**

matching drill pattern 2

Part no.: **290015 0002**

Allen key

SW 3

- DIN 911
- Part no.: **931150**