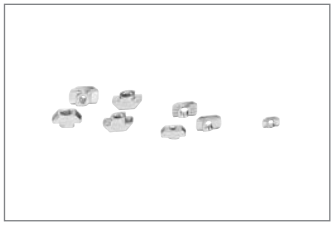
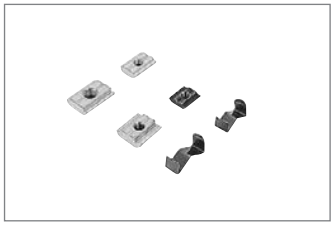
Connection elements



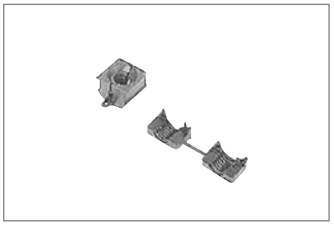
T-nut (p. 3-4)
Collar screw (p. 3-5)



Flange nut,
T-bolt (p. 3-6)



Sliding block (p. 3-7)



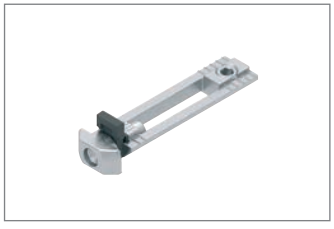
Expanding nut (p. 3-10)



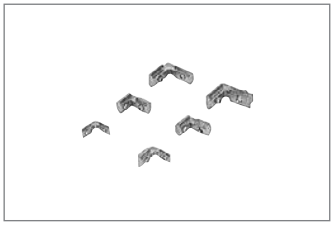
Parallel connector (p. 3-11)



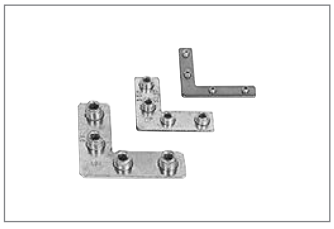
Tensioning connector
(p. 3-13)



Slot connector (p. 3-14)



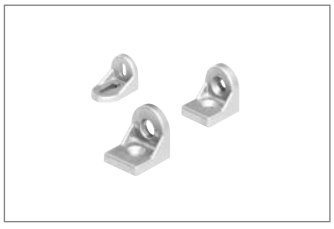
Inner bracket (p. 3-15)
Inner bracket R (p. 3-16)



Miter bracket (p. 3-18)



Bracket (p. 3-19)



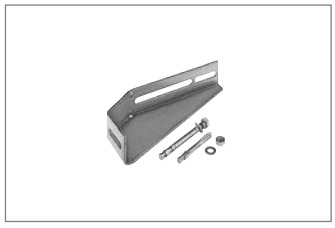
Bracket R (p. 3-31)



Steel bracket (p. 3-33)



Metal bracket, supporting
bracket (p. 3-34)



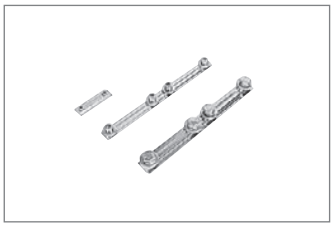
Foundation bracket
(p. 3-36)



Holder (p. 3-37)



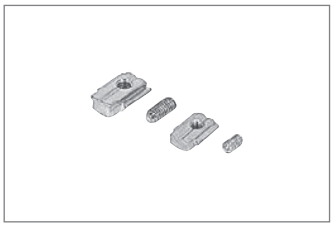
Supporting bracket
(p. 3-39)



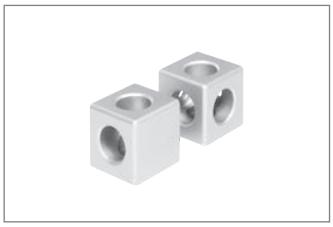
Profile connector (p. 3-41)



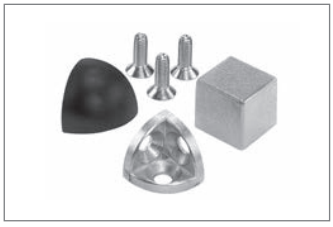
Central bolt (p. 3-43)



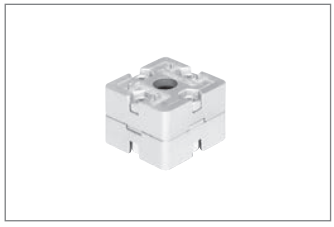
Anti-torsion element (p. 3-44)



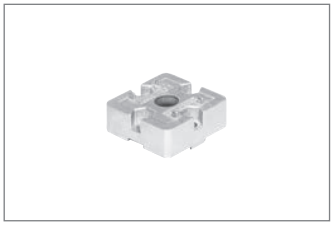
Cubic connector (p. 3-45)



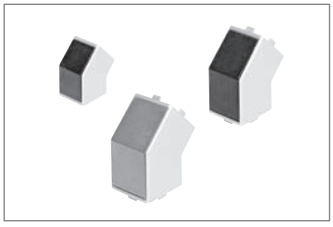
Corner bracket (p. 3-49)



End connector (p. 3-51)



T-connector (p. 3-53)



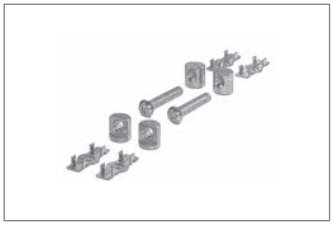
Connector 45° (p. 3-55)



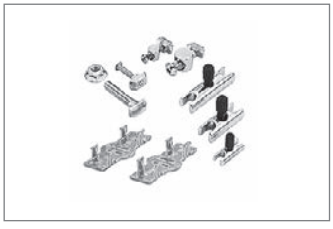
Quick connector
(p. 3-56)



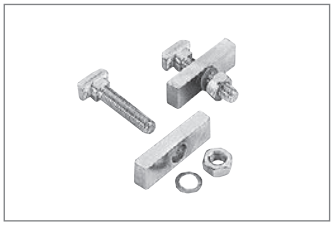
Quick connector, bendable
(p. 3-61)



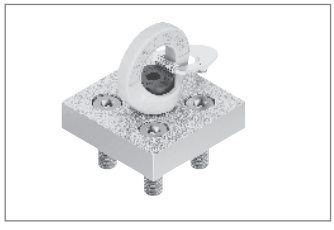
Longitudinal end connector
(p. 3-63)



Bolt connector (p. 3-64)



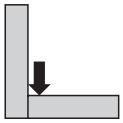
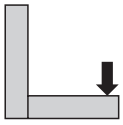
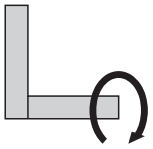
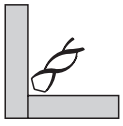
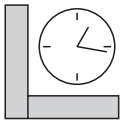
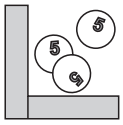
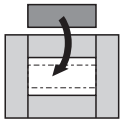
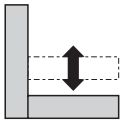
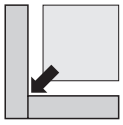
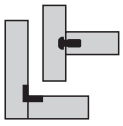
QV mounting kit
(p. 3-66)

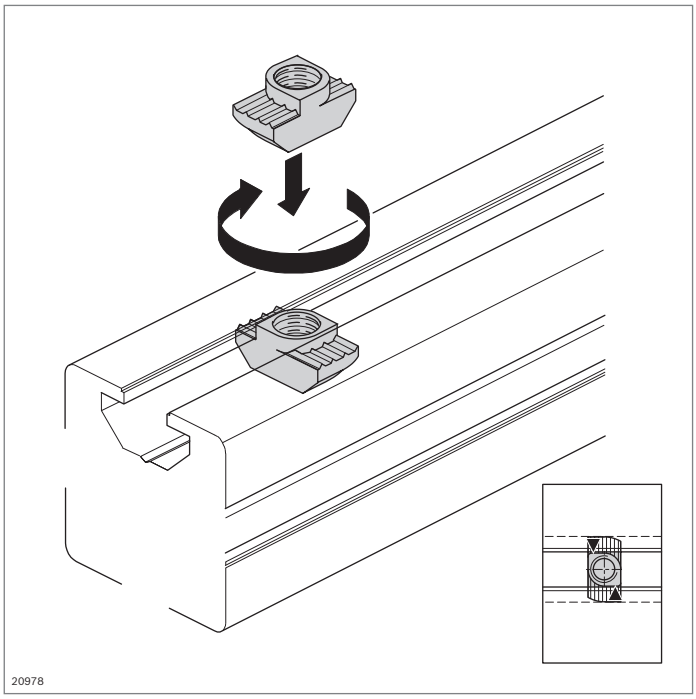


Lifting eye bolt
(see page 3-67)

Connection elements, selection criteria

● recommended ◑ suitable ○ unsuitable

	Coupling	Slot connector	Inner bracket	Bracket	Central bolt	T-connector	Quick connector	Bolt connector
 High feed force	●	●	○	●	●	●	●	●
 High moment	◑	◑	○	●	◑	◑	○	●
 High torsional moment	●	●	○	◑	○	●	○	●
 Minimal finishing	●	●	●	●	◑ M12 9,8	●	◑ D17	◑ D17
 Minimal assembly	●	●	●	●	●	○	●	○
 Low parts costs	◑	◑	◑	◑	●	○	◑	○
 Subsequent mounting in closed frame possible	◑	◑	○	●	○	◑	○	●
 Adjustment possible	●	●	◑	●	○	●	●	●
 Mounting of panel elements	◑	◑	◑	◑	●	○	●	○
 Internal connection (concealable)	●	●	●	○	●	◑	◑	●



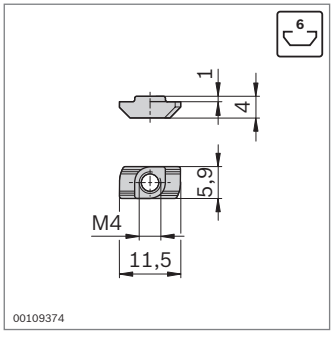
T-nut



- Standard element for a secure and conductive connection
- End stop for correct positioning in the profile slot
- Stainless steel T-nut, e.g. for outdoor or cleanroom applications
- Profile finishing: Not required

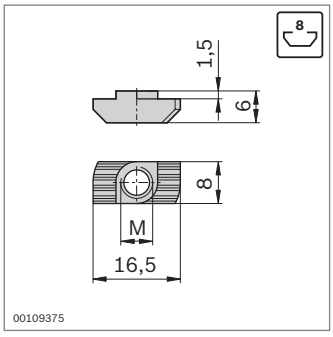
Technical data (p. 18-15)

Accessories:
Insulating cap (p. 3-5)



Slot	F_{max}
6	1700 N

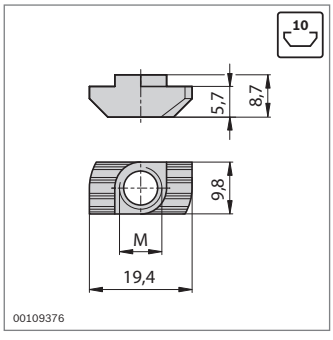
T-nut, 6 mm slot	Slot	M	ESD		No.
Steel; zinc-plated	6	M4		100	**3 842 523 135**
Stainless steel	6	M4		100	**3 842 536 599**



Slot	F_{max}
8 (M6)	4000 N

T-nut, 8 mm slot	Slot	M	ESD		No.
Steel; zinc-plated	8	M4		100	**3 842 501 751**
		M5*		100	**3 842 501 752**
		M6*		100	**3 842 501 753**
Stainless steel	8	M4		100	**3 842 536 600**
		M5		100	**3 842 536 601**
		M6		100	**3 842 536 602**

* Suitable for standard screws. **Attention:** T-nuts have driving torque for safe turning in the base of the slot.

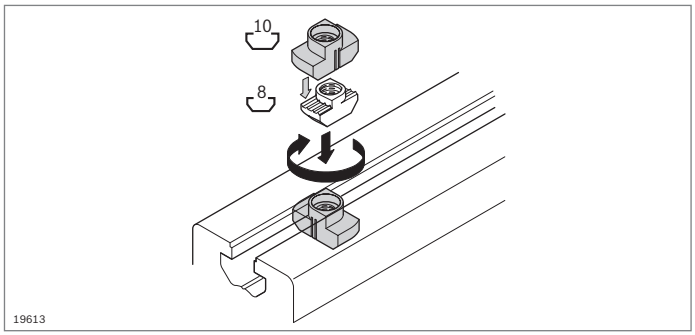


Slot	F_{max}
10 (M8)	6000 ... 18000 N[1)]

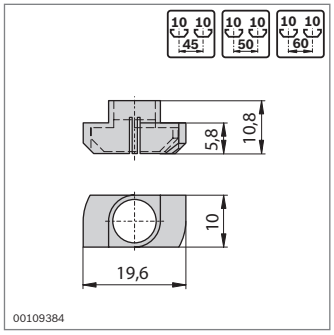
[1)] Depending on profile (p. 19-5)

T-nut, 10 mm slot	Slot	M	ESD		No.
Steel; zinc-plated	10	M4		100	**3 842 530 281**
		M5*		100	**3 842 530 283**
		M6*		100	**3 842 530 285**
		M8*		100	**3 842 530 287**
Stainless steel	10	M4		100	**3 842 536 606**
		M5		100	**3 842 536 605**
		M6		100	**3 842 536 604**
		M8		100	**3 842 536 603**

* Suitable for standard screws. **Attention:** T-nuts have driving torque for safe turning in the base of the slot.

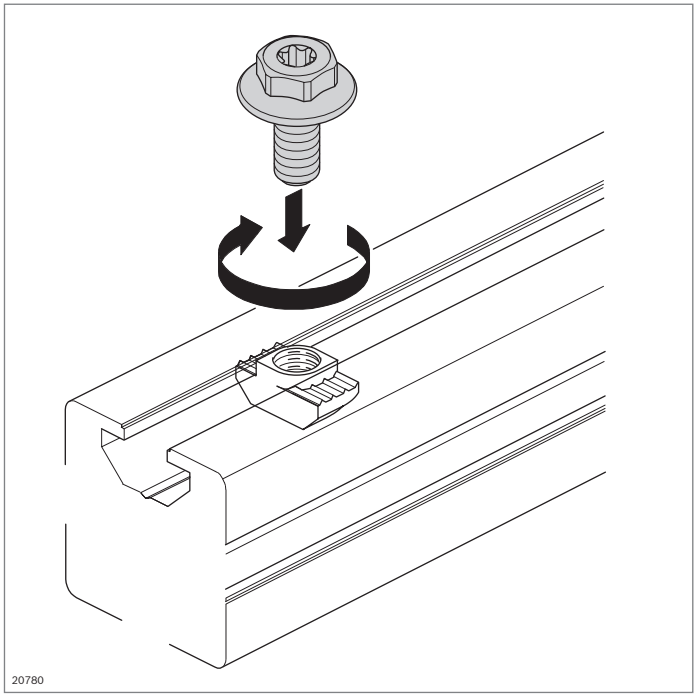


- Insulating cap for decoupling directly grounded components; for use with T-nuts for 8 mm slots in a 10 mm slot



Insulating cap for T-nut 8 mm slot	Slot		No.
	10	10	**3 842 524 012**

Material: PA; high-strength, black

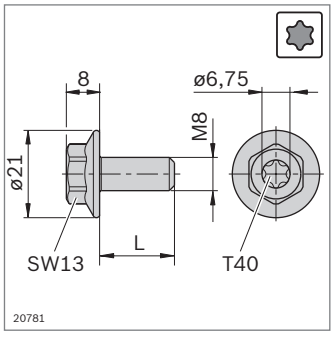


Collar screw

- Collar screw with multi-function head for tightening with ring/open-end wrench (WS 13) or Torx screwdriver (T40)
- Machine tightening possible
- Preferably to be used for fastening brackets
- Quick and simple assembly
- Excellent force transmission via the wide flange
- ESD-capable
- With Polyfleck to secure the T-nut

Tools:
Offset screwdriver (p. 14-6)

Accessories:
T-nut (p. 3-4)

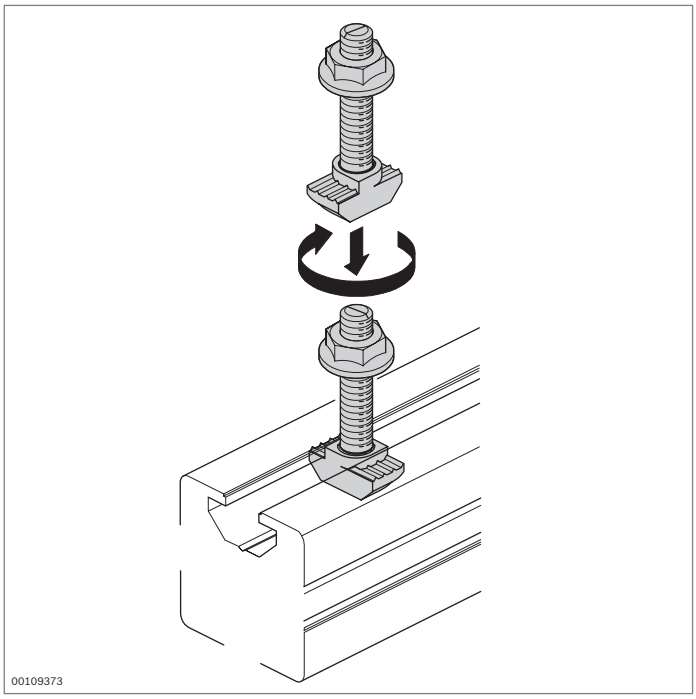


Collar screw	M	L (mm)	ESD		No.
M8x18-SW13-T40[1]	M8	18	ESD	100	**3 842 541 246**
M8x20-SW13-T40[2]	M8	20	ESD	100	**3 842 541 409**

[1] For 40/40 and 60/60 brackets

[2] For all other brackets for 10 mm slot

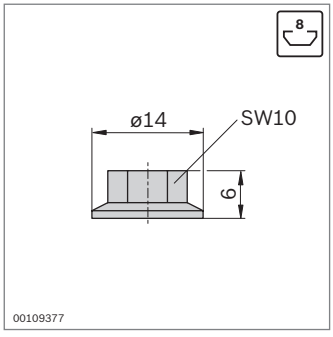
Material: Steel; zinc-plated

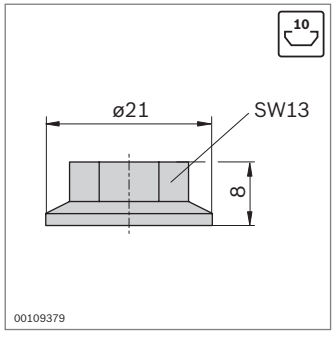


Flange nut
T-bolt

- Secure and conductive connection
- Notch at bolt end as marker for correct position recognition
- Profile finishing: Not required

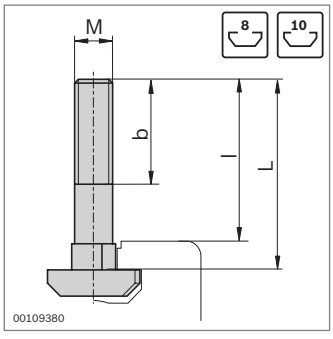
Technical data (p. 18-15)





Flange nut	Slot	M	ESD		No.
	8	M6		100	**3 842 523 925**
	10	M8		100	**3 842 345 081**

Material: Steel; zinc-plated

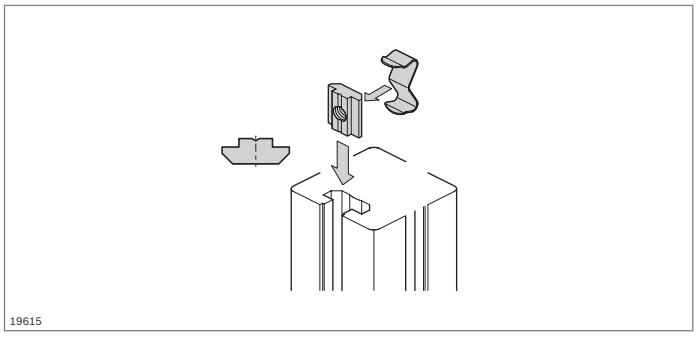


Slot	F_{max}
8	4000 N
10	6000 ... 18000 N[1)]

[1)] Depending on profile (p. 18-15)

T-bolt	Slot	MxL	b (mm)	l (mm)	ESD		No.
	8	M6x16	10	14		100	**3 842 523 920**
		M6x20	14	18		100	**3 842 523 921**
		M6x25	18	23		100	**3 842 523 922**
	10	M8x20	14	14		100	**3 842 528 715**
		M8x25	19	19		100	**3 842 528 718**
		M8x30	24	24		100	**3 842 528 721**
		M8x40	22	34		100	**3 842 528 724**
		M8x45	22	29		100	**3 842 563 312**
		M8x50	22	44		100	**3 842 528 727**
		M8x60	22	54		100	**3 842 528 730**

Material: Steel; zinc-plated

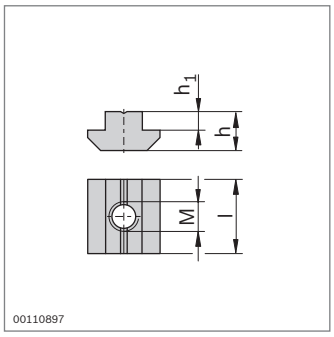


Sliding block, sliding block profile



- Sliding block for reliable absorption of high forces
- Sliding block profile for self-assembly of individual fastening elements
- Profile finishing: Not required
- The spring assists with the assembly and positioning of the sliding block and swivel-in sliding block (p. 3-8)

Technical data (p. 18-15)

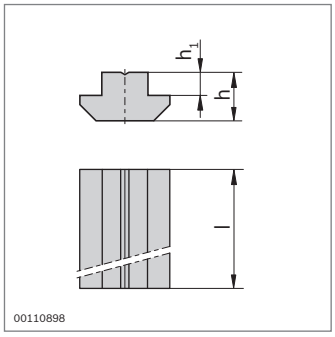


Slot	F_{max}
6 (M5)	3000 N
8 (M8)	6000 N
10 (M8)	8000 ... 24000 N[1)]

[1)] Depending on profile (p. 18-15)

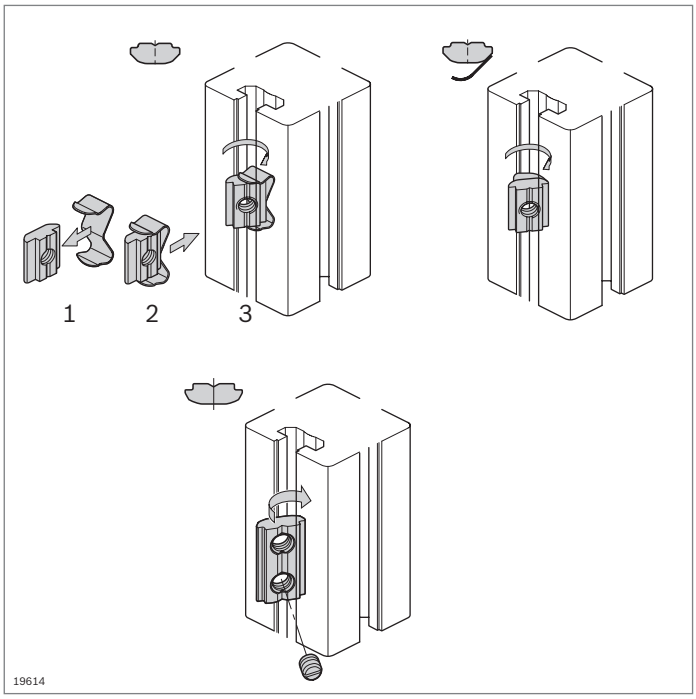
Sliding block	Slot	M	h (mm)	h_1 (mm)	l (mm)	ESD		No.
Steel; zinc-plated	6	M4	4.0	1.0	12	✓	100	**3 842 542 692**
		M5	4.0	1.0	12	✓	100	**3 842 542 693**
	8	M4	6.0	2.0	16		100	**3 842 514 928**
		M5	6.0	2.0	16		100	**3 842 514 929**
		M6	6.0	2.0	16		100	**3 842 514 930**
		M8	6.0	2.0	16		100	**3 842 514 931**
	10	M5	10.5	5.0	20		100	**3 842 528 741**
		M6	10.5	5.0	20		100	**3 842 528 738**
		M8	10.5	5.0	20		100	**3 842 528 735**
Steel; stainless	6	M4	4.0	1.0	12	✓	100	**3 842 523 140**
		M5	4.0	1.0	12	✓	100	**3 842 523 142**
	8	M4	6.0	2.0	16	✓	100	**3 842 547 817**
		M5	6.0	2.0	16	✓	100	**3 842 547 816**
		M6	6.0	2.0	16	✓	100	**3 842 547 815**
		M8	6.0	2.0	16	✓	100	**3 842 547 814**
	10	M5	10.5	5.0	20	✓	100	**3 842 547 813**
		M6	10.5	5.0	20	✓	100	**3 842 547 812**
		M8	10.5	5.0	20	✓	100	**3 842 547 811**

Accessories: Spring (p. 3-9)



Sliding block profile	Slot	h (mm)	h_1 (mm)	l (mm)	No.
Steel; zinc-plated	6	4.0	1.0	1000	**3 842 542 694**
	8	6.0	2.0	1000	**3 842 510 078**
	10	10.5	5.0	1000	**3 842 528 744**
Steel; stainless	6	4.0	1.0	1000	**3 842 523 438**

Accessories: Spring (p. 3-9)

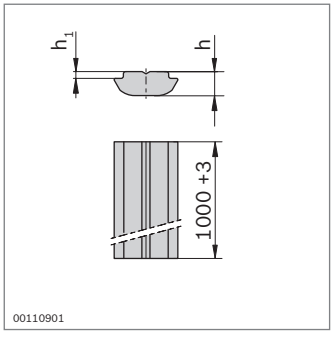


Swivel-in sliding block
Swivel-in sliding block profile
Spring

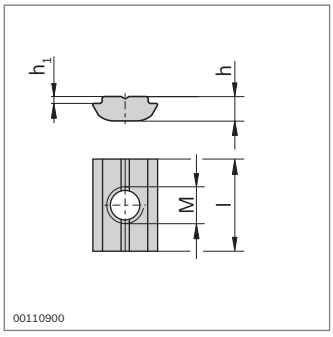


- Swivel-in sliding block profile for self-assembly of individual fastening elements
- The swivel-in sliding block can be inserted directly at the assembly point for easy assembly
- The swivel-in sliding block with spring can be inserted directly at the assembly point and fixed in position thanks to attached springs
- Swivel-in sliding block with headless setscrews for shake-proof fixing in all positions
- Profile finishing: Not required

Technical data (p. 18-15)



Swivel-in sliding block profile	Slot	h (mm)	h_1 (mm)	l (mm)	No.
Steel; zinc-plated	8	4.8	1.0	1000	**3 842 529 327**
	10	5.3	1.5	1000	**3 842 529 325**

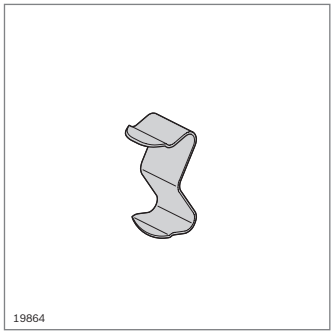


Slot	F_{max}
8 (M8)	2200 N
10 (M8)	8000 ... 18000 N[1)]

[1)] Depending on profile (p. 18-15)

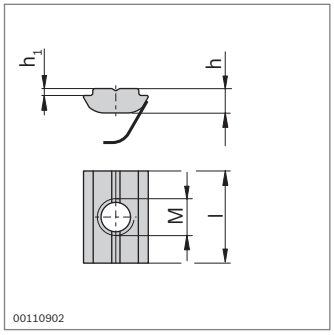
Swivel-in sliding block	Slot	M	h (mm)	h_1 (mm)	l (mm)	ESD		No.
Steel; zinc-plated	8	M5	4.8	1.0	16		100	**3 842 529 319**
		M6	4.8	1.0	16		100	**3 842 529 320**
		M8	4.8	1.0	16		100	**3 842 529 321**
	10	M6	5.3	1.5	20		100	**3 842 529 323**
		M8	5.3	1.5	20		100	**3 842 529 324**
Steel; stainless	6	M3	3.0	0.9	12	ESD	100	**3 842 547 826**
		M4	3.0	0.9	12	ESD	100	**3 842 536 669**
		M5	3.0	0.9	12	ESD	100	**3 842 547 825**
	8	M6	4.8	1.0	16	ESD	100	**3 842 530 321**
	10	M8	5.3	1.5	20	ESD	100	**3 842 530 316**

Accessories: Spring (p. 3-9)



▶ The spring assists with the assembly and positioning of the sliding block and swivel-in sliding block

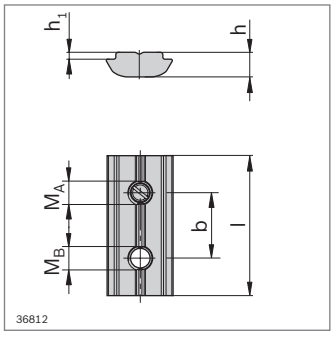
Spring	Slot		No.
Spring steel; stainless	6	100	**3 842 523 145**
	8	100	**3 842 516 685**
	10	100	**3 842 516 669**



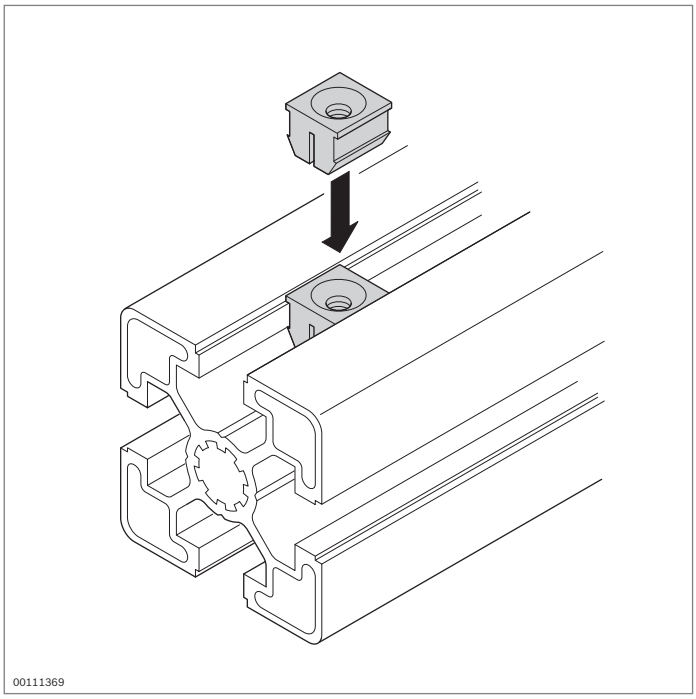
Slot	F_{max}
8 (M8)	2200 N
10 (M8)	8000 ... 18000 N[1)]

[1)] Depending on profile (p. 18-15)

Swivel-in sliding block with spring	Slot	M	h (mm)	h_1 (mm)	l (mm)	ESD		No.
Steel; zinc-plated	8	M4	4.8	1.0	16		100	**3 842 529 294**
		M5	4.8	1.0	16		100	**3 842 529 295**
		M6	4.8	1.0	16		100	**3 842 529 296**
		M8	4.8	1.0	16		100	**3 842 529 297**
	10	M4	5.3	1.5	20		100	**3 842 541 393**
		M5	5.3	1.5	20		100	**3 842 529 298**
		M6	5.3	1.5	20		100	**3 842 529 299**
		M8	5.3	1.5	20		100	**3 842 529 300**
Steel; stainless	8	M4	4.8	1.0	16		100	**3 842 547 824**
		M5	4.8	1.0	16		100	**3 842 547 823**
		M6	4.8	1.0	16		100	**3 842 547 822**
		M8	4.8	1.0	16		100	**3 842 547 821**
	10	M5	5.3	1.5	20		100	**3 842 547 808**
		M6	5.3	1.5	20		100	**3 842 547 807**
		M8	5.3	1.5	20		100	**3 842 547 806**
Material:	Spring: Spring steel; stainless							



Swivel-in sliding block with headless setscrew (M_A)	Slot	M_A; M_B	b (mm)	h (mm)	h_1 (mm)	l (mm)		No.
Steel; stainless	6	M4; M4	8	3.0	0.9	15	100	**3 842 536 673**
Steel; zinc-plated	8	M5; M4	12	4.8	1.0	24	100	**3 842 557 259**
		M5; M5	12	4.8	1.0	24	100	**3 842 536 675**
		M5; M6	12	4.8	1.0	24	100	**3 842 557 260**
	10	M5; M5	14	5.3	1.5	30	100	**3 842 536 676**
		M5; M6	14	5.3	1.5	30	100	**3 842 557 261**
		M5; M8	14	5.3	1.5	30	100	**3 842 557 262**

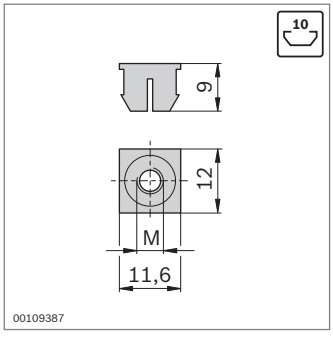


Expanding nut



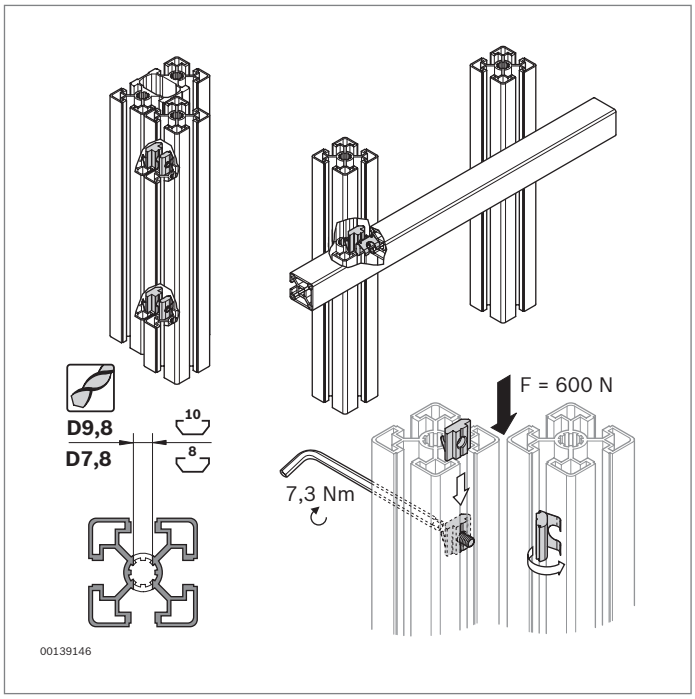
- For attaching light accessories such as cable ties or rings
- Easy assembly by clipping into the profile slot
- Profile finishing: Not required

Required accessories:
Countersunk screw



Expanding nut	Slot	M		No.
	10	M4	100	**3 842 554 774**
		M5	100	**3 842 554 776**
		M6	100	**3 842 554 778**

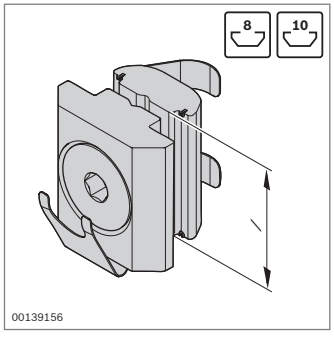
Material: PA; signal gray similar to RAL 7004



Parallel connector



- For a gap-free connection between two strut profiles, parallel to the axis or at any angle
- Parallel connector consisting of two sliding blocks with welded springs for simple assembly
- Attractive-looking interior connection, e.g. for material shelves
- Connection possible in any position
- Transferable displacement force per parallel connector: 600 N
- Profile finishing: Through-hole

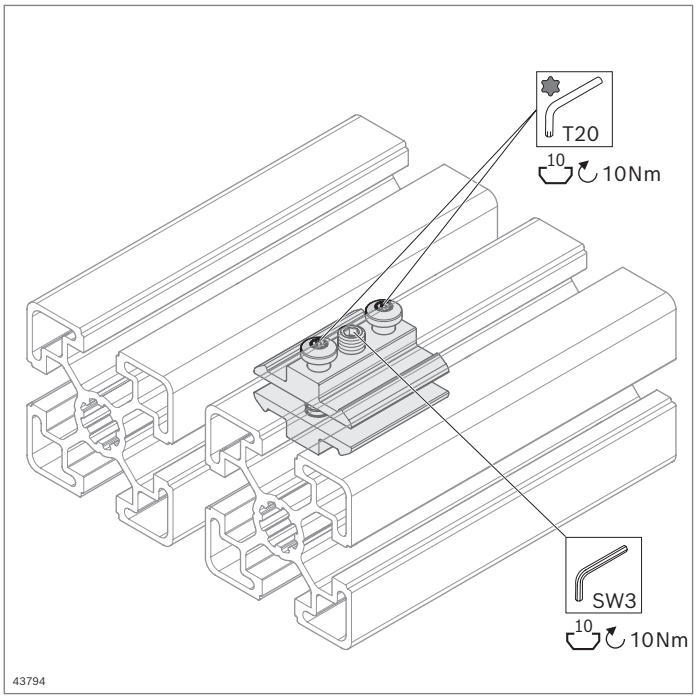


Slot	F_{max}
8	600 N
10	600 N

Parallel connector	Slot	l (mm)		No.
	8	16	10	**3 842 542 737**
	10	20	10	**3 842 542 736**

Material: Sliding block: Steel; zinc-plated
Spring: Spring steel; stainless

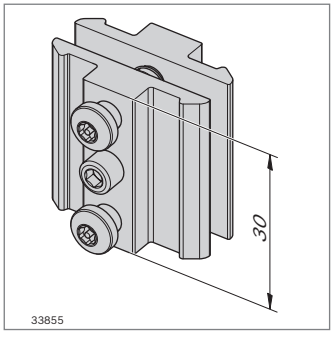
Scope of delivery: Sliding block with spring; swivel-in sliding block with spring; M5 countersunk screw



Quick parallel connector

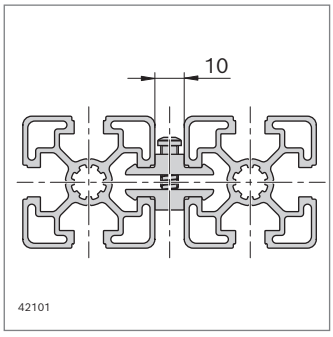
10

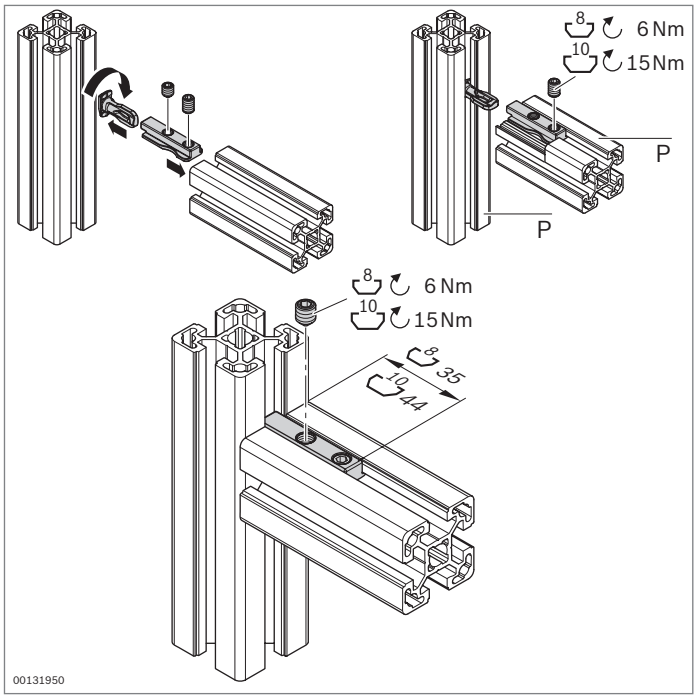
- For connection of two strut profiles, axially parallel with 10 mm distance
- Parallel connector pre-assembled
- The center screw is used for tightening
- Connection possible at any point along the profile slot
- Transferable displacement force per parallel connector: 500 N
- No machining of the profile necessary



Slot	F_{max}
10	500 N

Quick parallel connector	Slot		No.
	10	10	**3 842 564 742**
Material:	Steel; zinc-plated		





P	F_{max}	M_{max}	M_{max}
30x...	1000 N	35 Nm	15 Nm
45x...L	3500 N	110 Nm	30 Nm
40x..., 45x..., 50x..., 90x...	3500 N	110 Nm	30 Nm
60x...	3500 N	195 Nm	60 Nm

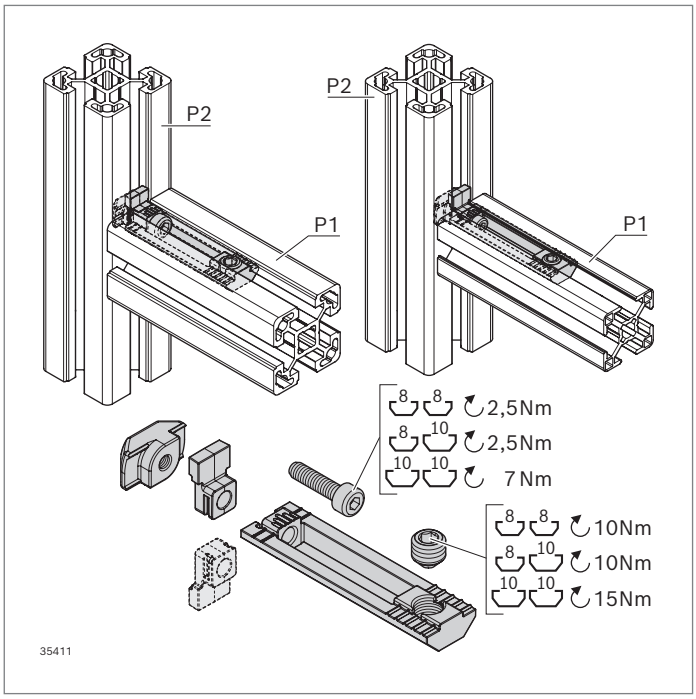
Coupling

- Tensioning connector for fast assembly
- The connector can be moved within the slot
- Easily accessible screws
- Three slots are left free for mounting of panel elements
- Profile finishing: Not required

Technical data (p. 18-18)

Coupling	Slot	P	ESD		No.
8	8	30x...		10	**3 842 538 489**
10L	10	45x...L 45x90SL 90x90SL		10	**3 842 538 491**
10	10	40x...L, 45x..., 50x...L, 60x..., 60x...L 80x...L 90x..., 90x...L, 45x90x90L		10	**3 842 538 490**

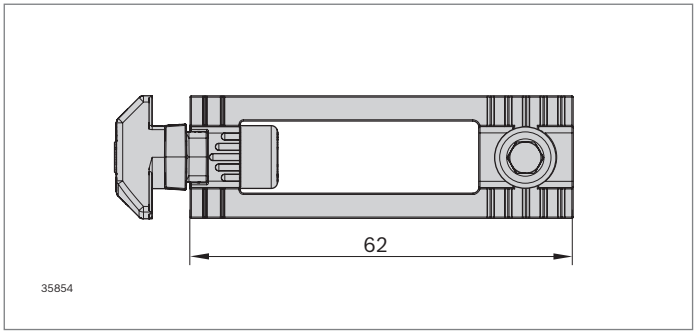
Material: Steel; zinc-plated



Slot connector



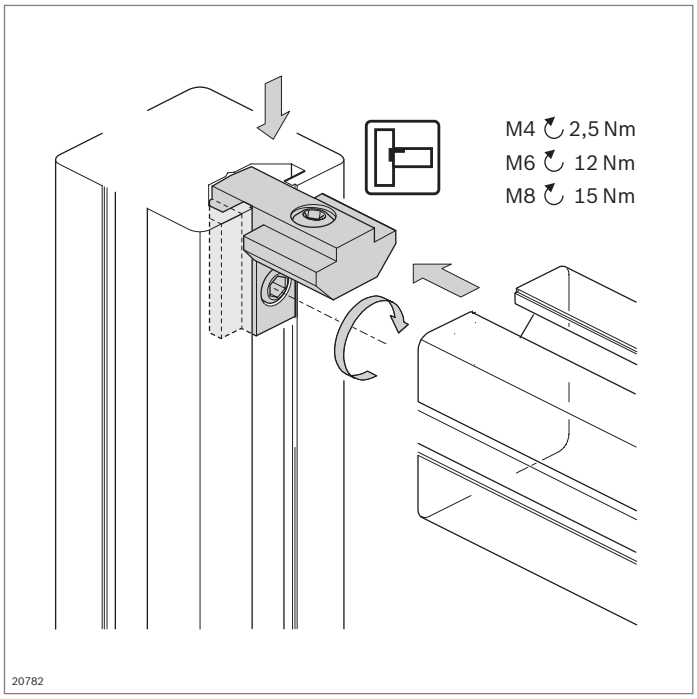
- Slot connector for fast assembly
- The connector can be moved within the slot
- Easily accessible screws
- Anti-torsion element can be removed if necessary, variable alignment (slot 10/10; 8/10)
- Headless setscrew, preassembled
- Profile finishing: Not required



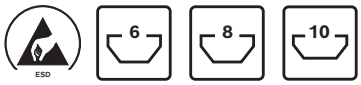
Slot connector	P1	P2	ESD		No.
8/8	8	8	ESD	10	**3 842 558 566**
8/10	8	10	ESD	10	**3 842 558 567**
10/10	10	10	ESD	10	**3 842 558 568**

Material: Slot connector: Steel; zinc-plated
Anti-torsion element: PA6

Slot	F_{max}	M_{max}	M_{max}
8 / 8	1000 N	35 Nm	15 Nm
8 / 10	1000 N	35 Nm	15 Nm
10 / 10	3000 N	110 Nm	30 Nm

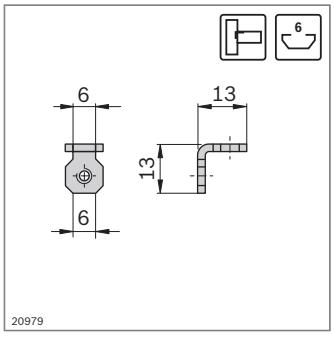


Inner bracket



- For elegant, easy-to-assemble profile connections
- Especially suitable for constructing door frames, protective grilles, or partition walls
- The inner bracket, 6 mm slot, can also be used as an inner bracket R, 6 mm slot
- Profile finishing: Not required

Technical data (p. 18-18)

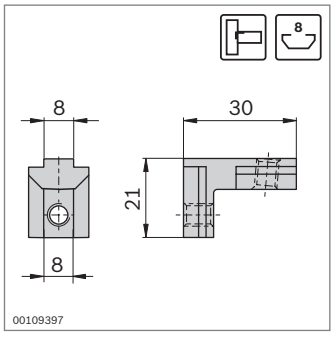


FS1



ISO 4027
M4x6

Inner bracket	Slot	ESD		No.	FS
	6 / 6		10	**3 842 535 574**	2xFS1
Material:	Sheet steel; zinc-plated Fastening material: Steel; zinc-plated				
Scope of delivery:	Incl. fastening material (FS)				



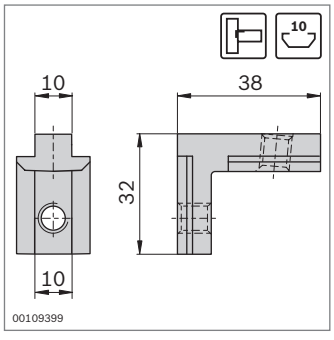
Slot	F_{max}	M_{max}
8 / 8	2200 N	50 Nm

FS2



DIN 913
M6x8

Inner bracket	Slot	ESD		No.	FS
	8 / 8		10	**3 842 535 578**	2xFS2
Material:	Cast steel; zinc-plated Fastening material: Steel; zinc-plated				
Scope of delivery:	Incl. fastening material (FS)				



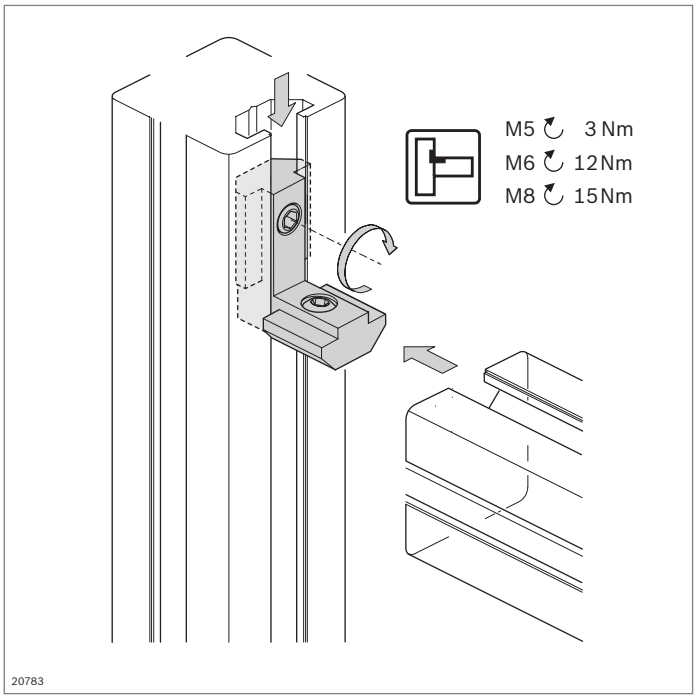
Slot	F_{max}	M_{max}
10 / 10	2800 N	100 Nm

FS3



ISO 4026
M8x12

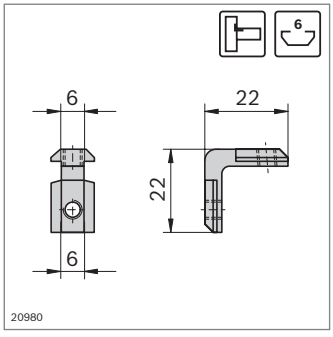
Inner bracket	Slot	ESD		No.	FS
	10 / 10		10	**3 842 535 572**	2xFS3
Material:	Cast steel; zinc-plated Fastening material: Steel; zinc-plated				
Scope of delivery:	Incl. fastening material (FS)				



Inner bracket R

- For elegant, easy-to-assemble profile connections
- Especially suitable for constructing door frames, protective grilles, or partition walls
- Profile finishing: Not required

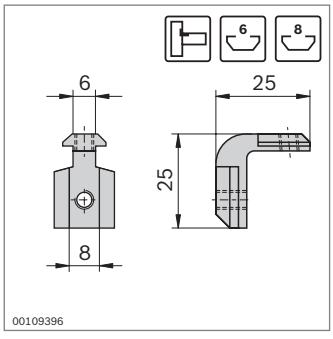
Technical data (p. 18-18)



Slot	F_{max}	M_{max}
6 / 6	600 N	10 Nm

FS1
DIN 913 M5x5

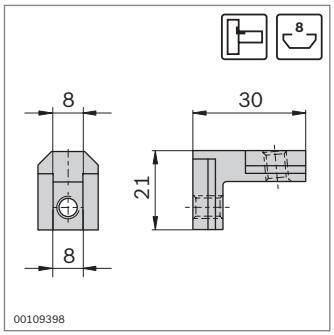
Inner bracket R	Slot	ESD		No.	FS
	6 / 6		10	**3 842 535 575**	2xFS1
Material:	Cast steel; zinc-plated Fastening material: Steel; zinc-plated				
Scope of delivery:	Incl. fastening material (FS)				



Slot	F_{max}	M_{max}
6 / 8	600 N	10 Nm

FS1
DIN 913 M5x5

Inner bracket R	Slot	ESD		No.	FS
	6 / 8		10	**3 842 535 573**	2xFS1
Material:	Cast steel; zinc-plated Fastening material: Steel; zinc-plated				
Scope of delivery:	Incl. fastening material (FS)				

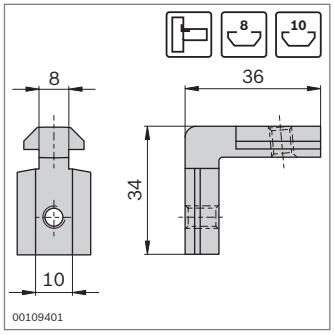


Slot	F_{max}	M_{max}
8 / 8	2500 N	50 Nm

FS2
DIN 913
M6x8

Inner bracket R	Slot	ESD		No.	FS
	8 / 8		10	**3 842 535 577**	2xFS2

Material: Cast steel; zinc-plated
Fastening material: Steel; zinc-plated
Scope of delivery: Incl. fastening material (FS)



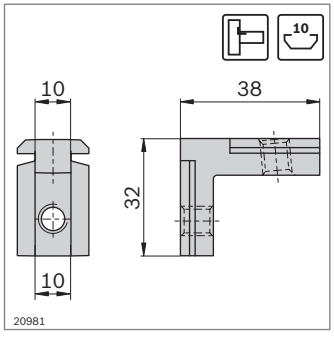
Slot	F_{max}	M_{max}
8 / 10	2500 N	50 Nm

FS2
DIN 913
M6x8

FS3
DIN 913
M6x12

Inner bracket R	Slot	ESD		No.	FS
	8 / 10		10	**3 842 535 576**	FS2, FS3

Material: Cast steel; zinc-plated
Fastening material: Steel; zinc-plated
Scope of delivery: Incl. fastening material (FS)

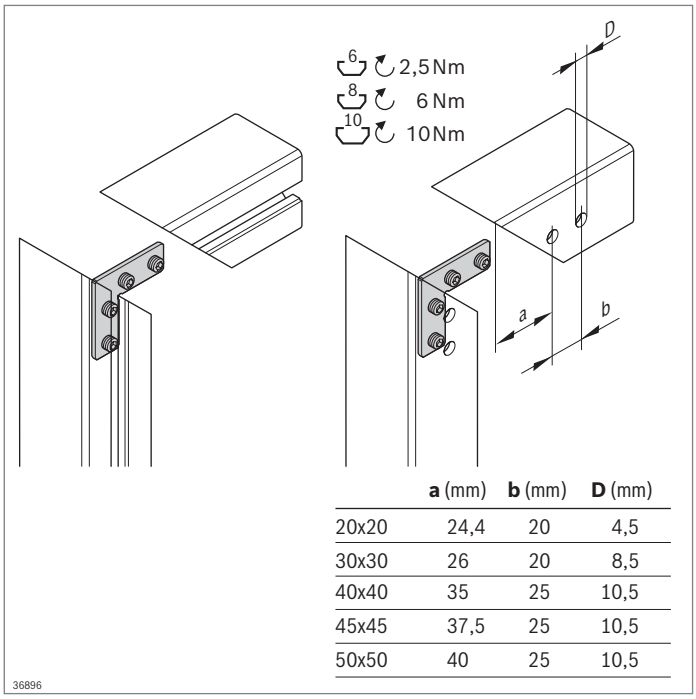


Slot	F_{max}	M_{max}
10 / 10	3000 N	100 Nm

FS4
ISO 4026
M8x12

Inner bracket R	Slot	ESD		No.	FS
	10 / 10		10	**3 842 535 571**	2xFS4

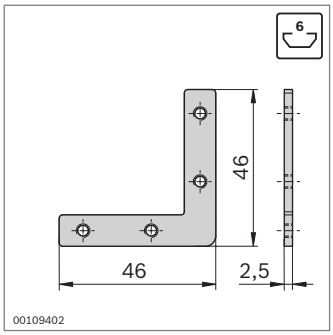
Material: Cast steel; zinc-plated
Fastening material: Steel; zinc-plated
Scope of delivery: Incl. fastening material (FS)



	a (mm)	b (mm)	D (mm)
20x20	24,4	20	4,5
30x30	26	20	8,5
40x40	35	25	10,5
45x45	37,5	25	10,5
50x50	40	25	10,5

Miter bracket

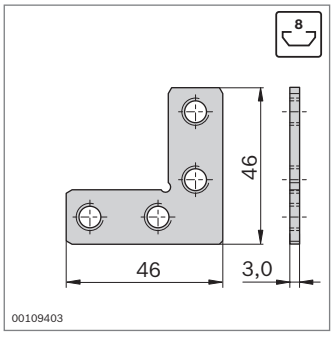
- For right-angled connections of miter-cut profiles
- Profile finishing with open profile slots: Not required
- Profile finishing with closed profile slots: Through-holes for screwdriver



FS1
DIN EN ISO 4027 M4x5

Miter bracket	Slot	ESD		No.	FS
	6		20	**3 842 535 626**	4xFS1

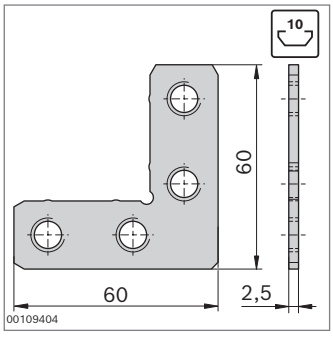
Material: Steel; stainless
Fastening material: Steel; zinc-plated
Scope of delivery: Incl. fastening material (FS)



FS2
DIN EN ISO 4026 M8x8

Miter bracket	Slot	ESD		No.	FS
	8		20	**3 842 535 627**	4xFS2

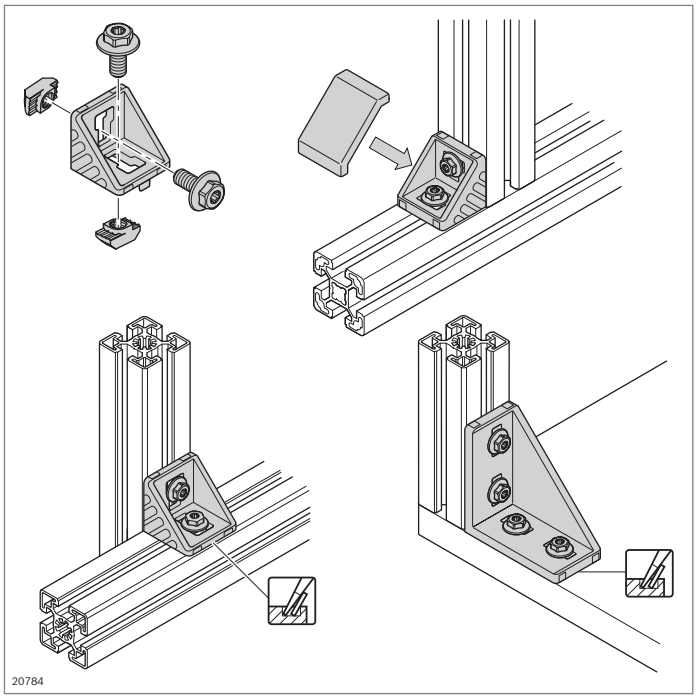
Material: Steel; zinc-plated
Fastening material: Steel; zinc-plated
Scope of delivery: Incl. fastening material (FS)

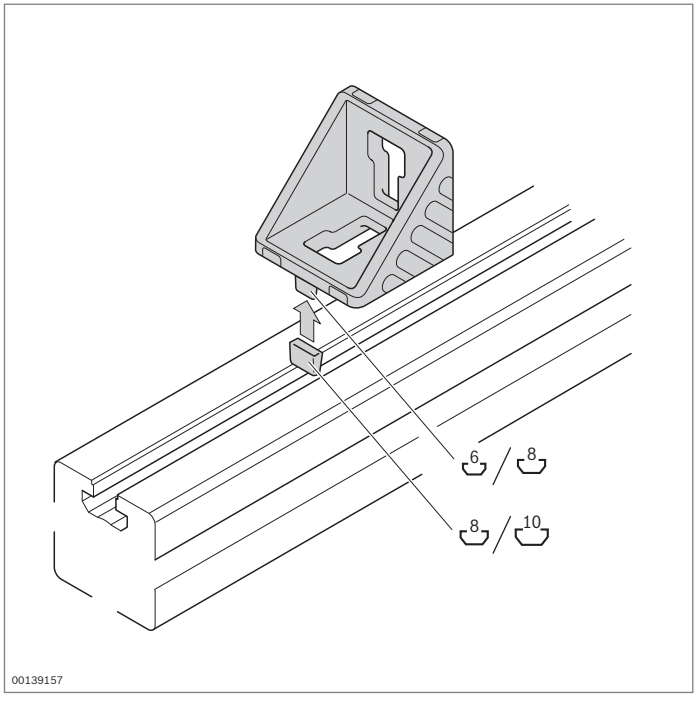


FS3
DIN EN ISO 4026 M10x10

Miter bracket	Slot	ESD		No.	FS
	10		20	**3 842 563 228**	4xFS3

Material: Steel; zinc-plated
Fastening material: Steel; zinc-plated
Scope of delivery: Incl. fastening material (FS)





Bracket



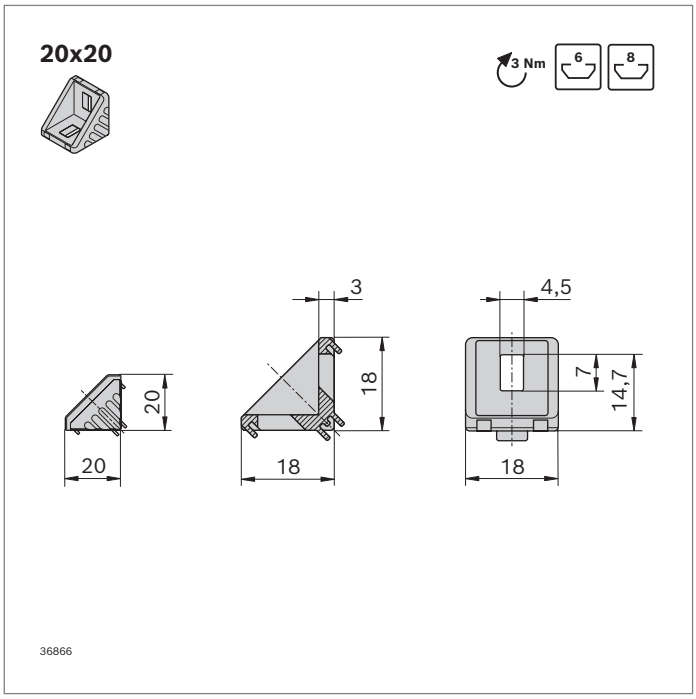
designLINE

- Brackets with centering lugs for rapid, precise assembly with protection against turning
- Centering lugs can be easily broken off for assembly on plates or at right angles to the slot
- *designLINE* version with special silver paint (RAL 9006) for an attractive, high-quality design
- Intermediate element for positioning brackets in the next largest slot
- Sliding block offset for off-center positioning of the 45/45 bracket
- Cover cap for preventing dirt, available in signal gray (RAL 7004) and black ESD (RAL 9005)
- Profile finishing: Not required

Technical data (p. 18-19)

Notice: The collar screws enable the brackets to be assembled really quickly and easily (p. 3-5)

20x20



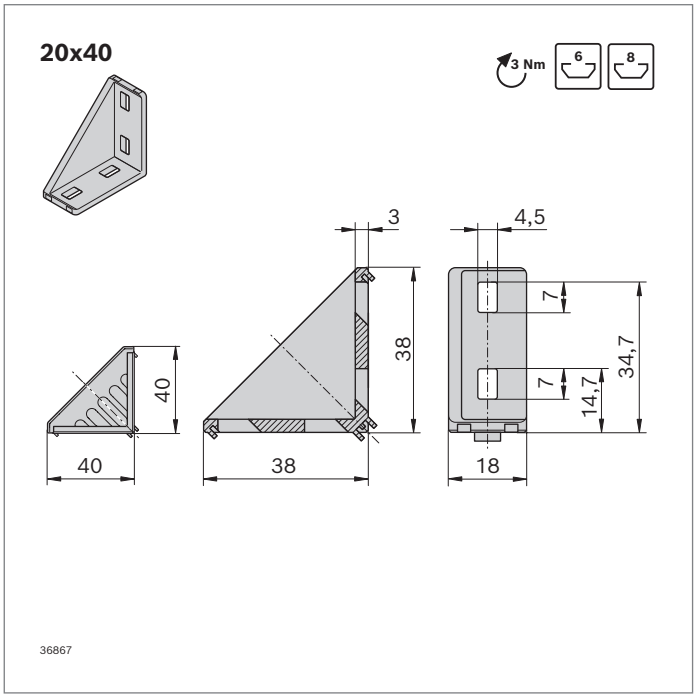
20x20	Slot	ESD		No.	FS
Set (standard)	6 / 6		1	**3 842 523 511**	2xFS1
designLINE set	6 / 6		1	**3 842 551 596**	2xFS1
Bracket (standard)	6		100	**3 842 523 508**	
Cover cap, signal gray			100	**3 842 548 842**	
Cover cap, black			20	**3 842 548 843**	
Intermediate element for 8 mm slot	6 / 8		100	**3 842 523 516**	

Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Intermediate element: PA; black
Cover cap: PP
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

Type	Fmax	Mmax	Mmax	Mmax
20x20	700 N	6 Nm	25 Nm	–

FS1
DIN 7984
M4x8
6

20x40



20x40	Slot	ESD		No.	FS
Set (standard)	6 / 6		1	**3 842 523 520**	4xFS1
designLINE set	6 / 6		1	**3 842 551 597**	4xFS1
Bracket (standard)	6		20	**3 842 523 517**	
Cover cap, signal gray			20	**3 842 548 844**	
Cover cap, black			20	**3 842 548 845**	
Intermediate element for 8 mm slot	6 / 8		100	**3 842 523 516**	

Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Intermediate element: PA; black
Cover cap: PP
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

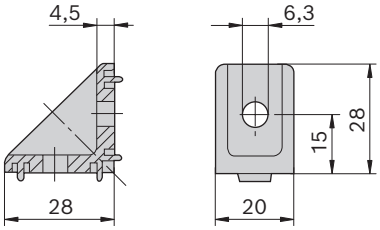
Type	Fmax	Mmax	Mmax	Mmax
20x40	1400 N	15 Nm	50 Nm	8 Nm

FS1
DIN 7984
M4x8
6

20x28







00125983

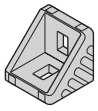
20x28	Slot	ESD		No.	FS
Set (standard)	8 / 8		1	**3 842 502 137**	2xFS1
Bracket (standard)	8		100	**3 842 501 587**	

Material: Diecast zinc
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

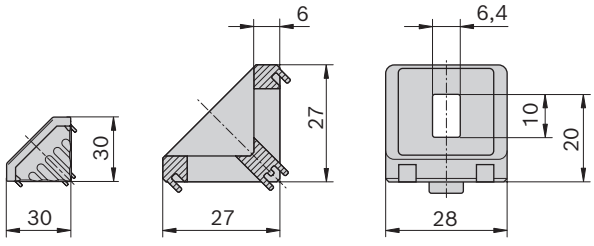
FS1



30x30







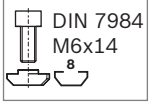
36868

30x30	Slot	ESD		No.	FS
Set (standard)	8 / 8		1	**3 842 523 528**	2xFS2
	8 / 10		1	**3 842 523 530**	1xFS2, 2xFS3, 1xFS4
	10 / 10		1	**3 842 523 532**	4xFS3, 2xFS4
designLINE set	8 / 8		1	**3 842 551 598**	2xFS2
	8 / 10		1	**3 842 551 600**	1xFS2, 2xFS3, 1xFS4
	10 / 10		1	**3 842 551 599**	4xFS3, 2xFS4
Bracket (standard)	8		100	**3 842 523 525**	
Cover cap, signal gray			100	**3 842 548 846**	
Cover cap, black			20	**3 842 548 847**	
Intermediate element for 10 mm slot	8 / 10		100	**3 842 523 537**	

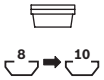
Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Intermediate element: PA; black
Cover cap: PP
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

Type	F_{max}	M_{max}	M_{max}	M_{max}
30x30	1250 N	25 Nm	75 Nm	–

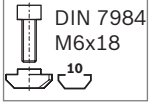
FS2

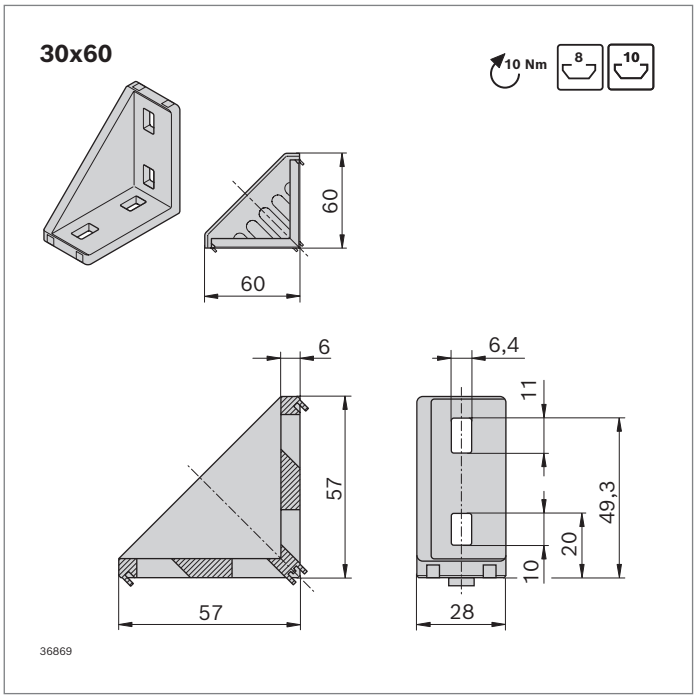


FS3



FS4



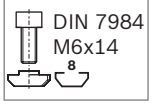


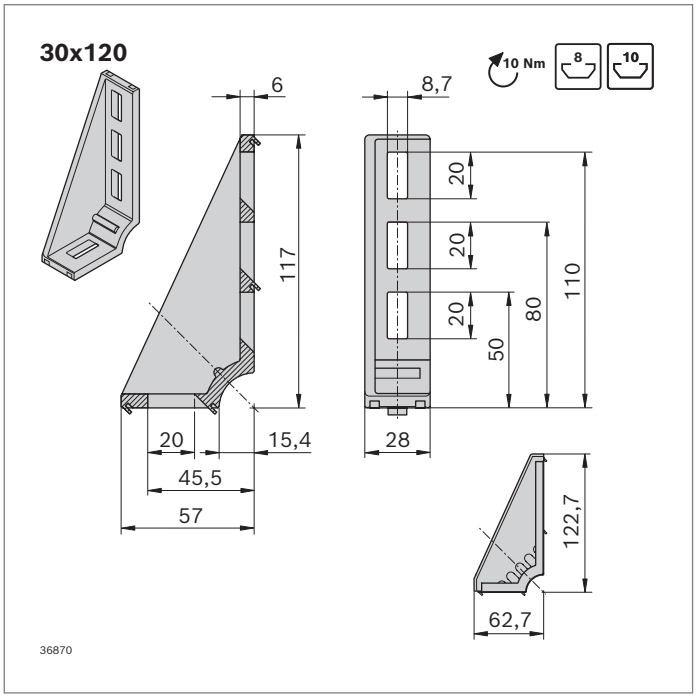
30x60	Slot	ESD		No.	FS
Set (standard)	8 / 8		1	**3 842 523 541**	4xFS2
designLINE set	8 / 8		1	**3 842 551 601**	4xFS2
Bracket (standard)	8		20	**3 842 523 538**	
Cover cap, signal gray			20	**3 842 548 848**	
Cover cap, black			20	**3 842 548 849**	
Intermediate element for 10 mm slot	8 / 10		100	**3 842 523 537**	

Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Intermediate element: PA; black
Cover cap: PP
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

Type	Fmax	Mmax	Mmax	Mmax
30x60	2500 N	100 Nm	170 Nm	25 Nm

FS2



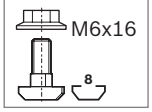


30x120	Slot	ESD		No.	FS
designLINE set	8 / 8		1	**3 842 551 602**	2xFS6
Bracket (standard)	8		20	**3 842 523 587**	
Cover cap, signal gray			20	**3 842 548 850**	
Cover cap, black			20	**3 842 548 851**	
Intermediate element for 10 mm slot	8 / 10		100	**3 842 523 537**	

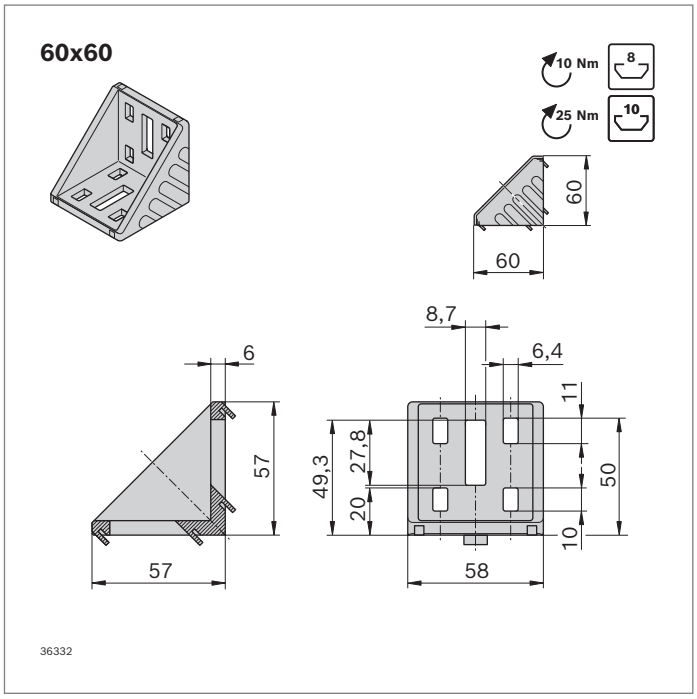
Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Intermediate element: PA; black
Cover cap: PP
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

Type	Fmax	Mmax	Mmax
30x120	3750 N	100 Nm	47 Nm

FS6



60x60

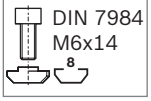


60x60	Slot	ESD		No.	FS
Set (standard)	8 / 8		1	**3 842 523 549**	8xFS2
	8 / 10		1	**3 842 523 551**	4xFS2, 1xFS5
	10 / 10		1	**3 842 523 553**	2xFS5
designLINE set	8 / 8		1	**3 842 551 609**	8xFS2
	8 / 10		1	**3 842 551 610**	4xFS2, 1xFS5
	10 / 10		1	**3 842 551 611**	2xFS5
Bracket (standard)	8		20	**3 842 523 546**	
Cover cap, signal gray			20	**3 842 548 852**	
Cover cap, black			20	**3 842 548 853**	
Intermediate element for 10 mm slot	10		100	**3 842 523 537**	

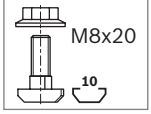
Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Intermediate element: PA; black
Cover cap: PP
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

Type	Slot	F_{max}	M_{max}	M_{max}	M_{max}
60x60	8	5000 N	320 Nm	370 Nm	110 Nm
	10	3000 N	125 Nm	150 Nm	–

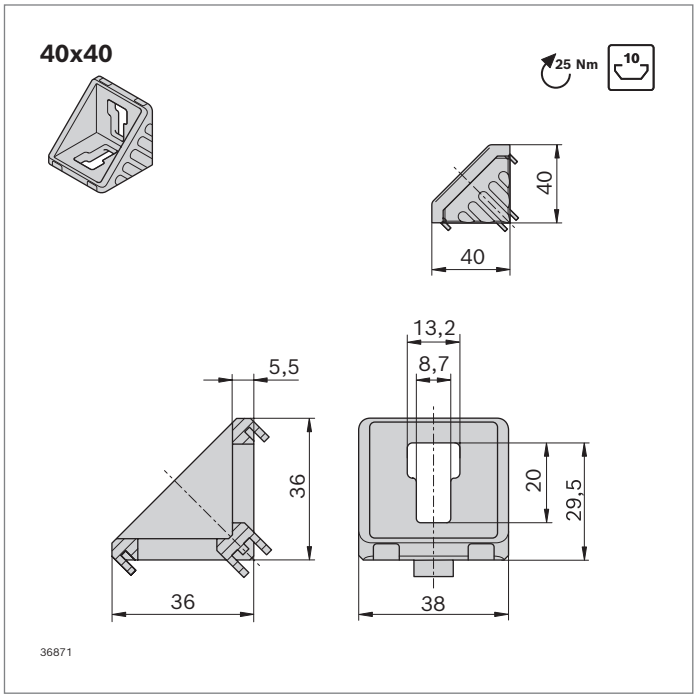
FS2



FS5



40x40

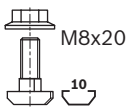


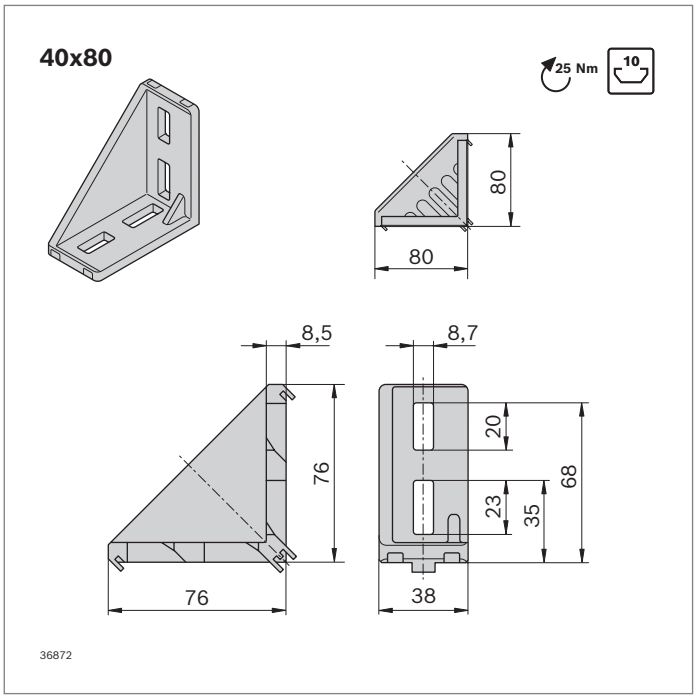
40x40	Slot	ESD		No.	FS
Set (standard)	10 / 10		1	**3 842 529 383**	2xFS5
designLINE set	10 / 10		1	**3 842 551 603**	2xFS5
Bracket (standard)	10		100	**3 842 528 967**	
Cover cap, signal gray			100	**3 842 548 854**	
Cover cap, black			20	**3 842 548 855**	

Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Cover cap: PP
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

Type	F_{max}	M_{max}	M_{max}	M_{max}
40x40	3000 N	55 Nm	145 Nm	35 Nm

FS5

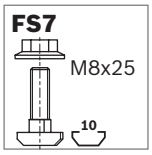


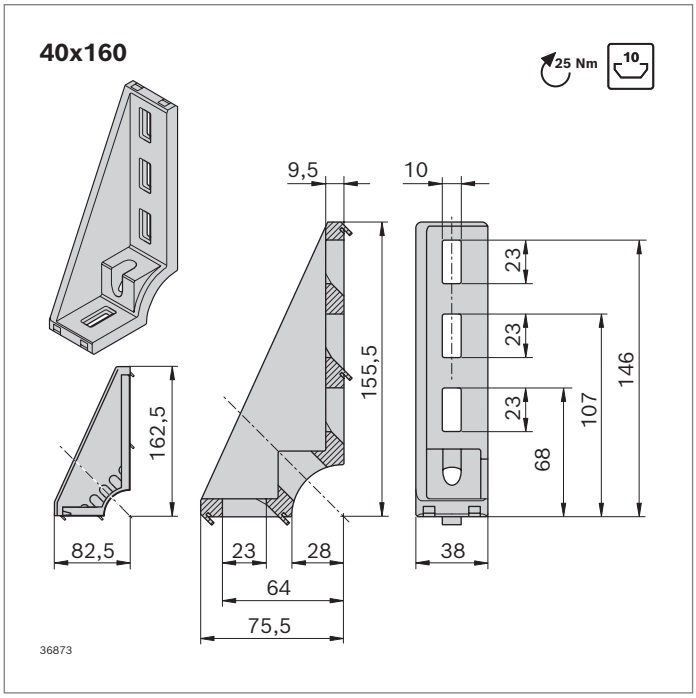


40x80	Slot	ESD		No.	FS
Set (standard)	10 / 10		1	**3 842 529 386**	4xFS7
designLINE set	10 / 10		1	**3 842 551 604**	4xFS7
Bracket (standard)	10		20	**3 842 529 005**	
Cover cap, signal gray			20	**3 842 548 856**	
Cover cap, black			20	**3 842 548 857**	

Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Cover cap: PP
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

Type	Fmax	Mmax	Mmax	Mmax
40x80	6000 N	180 Nm	400 Nm	60 Nm

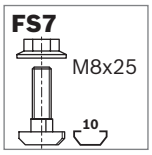


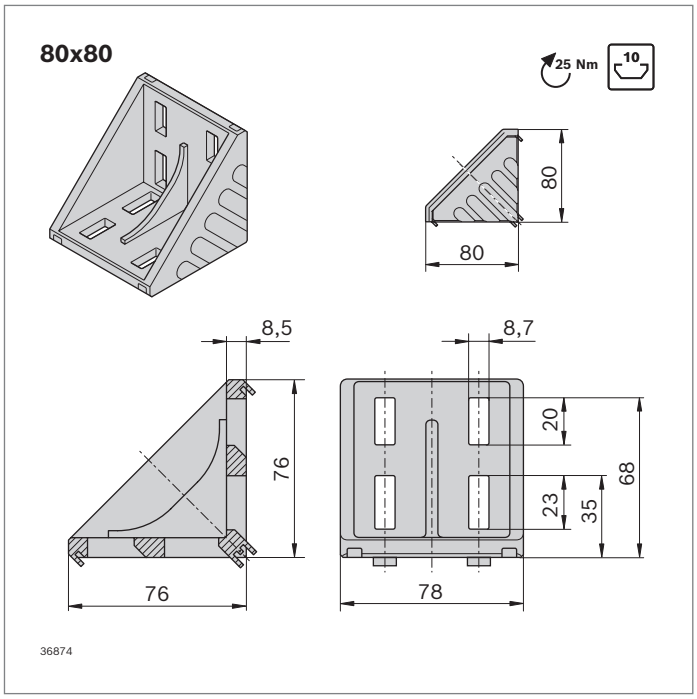


40x160	Slot	ESD		No.	FS
designLINE set	10 / 10		1	**3 842 551 605**	2x FS7
Bracket (standard)	10		20	**3 842 529 006**	
Cover cap, signal gray			20	**3 842 548 858**	
Cover cap, black			20	**3 842 548 859**	

Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Cover cap: PP
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

Type	Fmax	Mmax	Mmax
40x160	9000 N	250 Nm	60 Nm



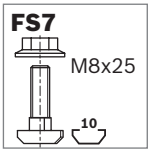


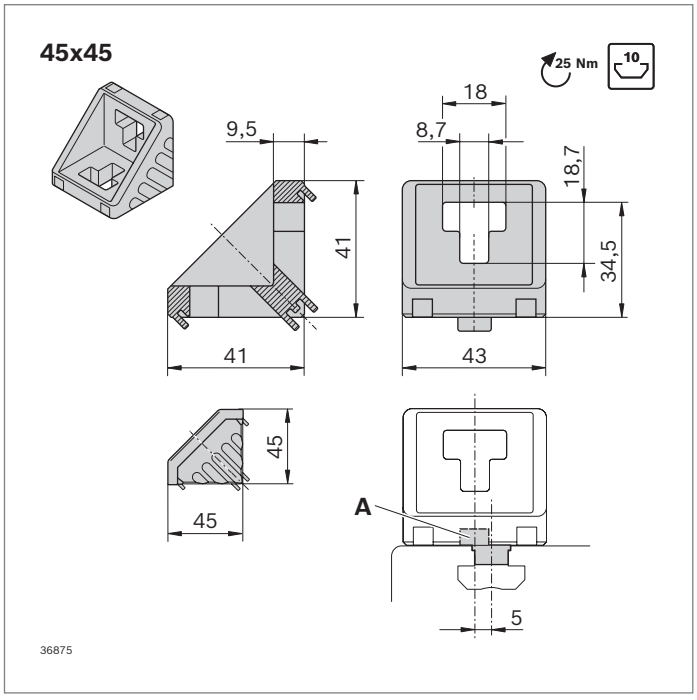
80x80	Slot	ESD		No.	FS
Set (standard)	10 / 10		1	**3 842 530 360**	8xFS7
designLINE set	10 / 10		1	**3 842 551 612**	8xFS7
Bracket (standard)	10		20	**3 842 530 231**	
Cover cap, signal gray			20	**3 842 548 860**	
Cover cap, black			20	**3 842 548 861**	

Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Cover cap: PP
Fastening material: Steel; zinc-plated

Scope of delivery: Set incl. fastening material (FS)

Type	Fmax	Mmax	Mmax	Mmax
80x80	14000 N	500 Nm	1000 Nm	400 Nm



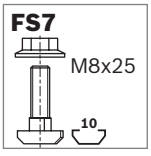


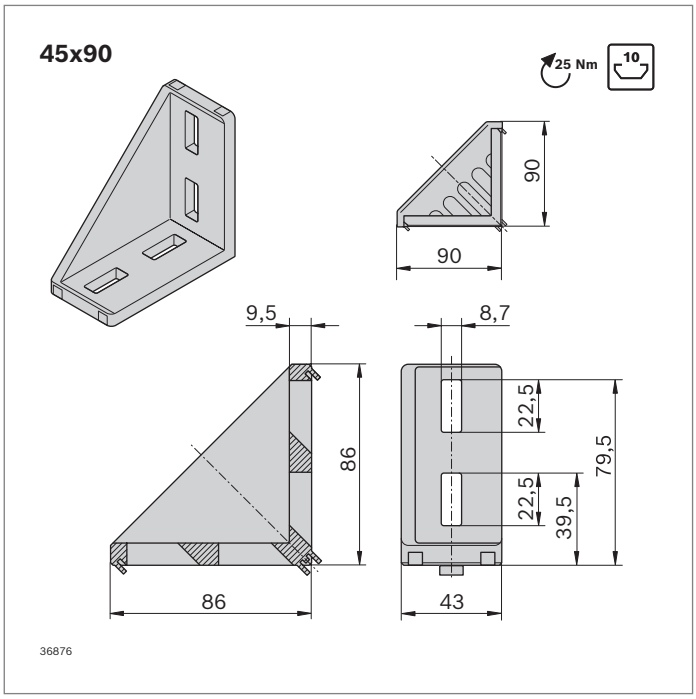
45x45	Slot	ESD		No.	FS
Set (standard)	10 / 10		1	**3 842 523 561**	2xFS7
designLINE set	10 / 10		1	**3 842 551 606**	2xFS7
Bracket (standard)	10		100	**3 842 523 558**	
Cover cap, signal gray			100	**3 842 548 862**	
Cover cap, black			20	**3 842 548 863**	
Sliding block, offset (**A**)	10		100	**3 842 523 593**	

Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Sliding block, offset: PA; black
Cover cap: PP
Fastening material: Steel; zinc-plated

Scope of delivery: Set incl. fastening material (FS)

Type	Fmax	Mmax	Mmax	Mmax
45x45	3000 N	60 Nm	160 Nm	–

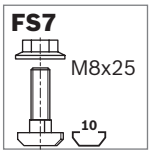


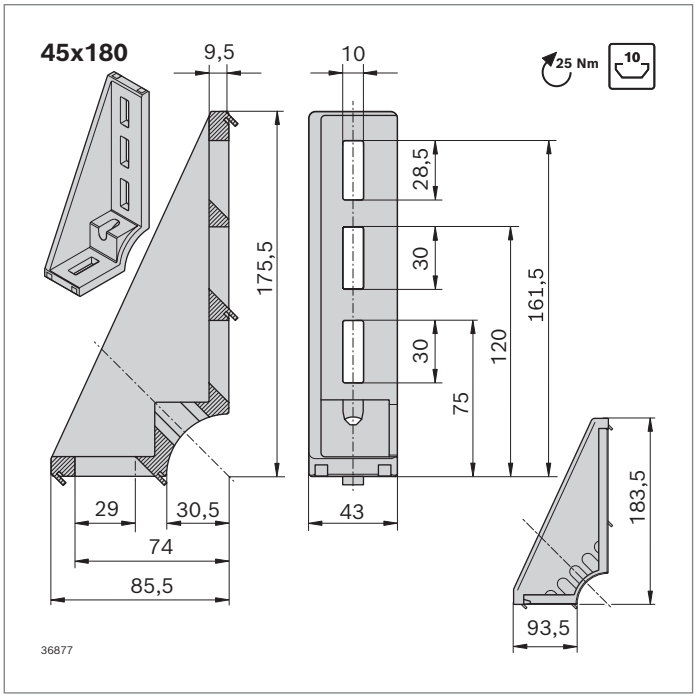


45x90	Slot	ESD		No.	FS
Set (standard)	10 / 10		1	**3 842 523 570**	4xFS7
designLINE set	10 / 10		1	**3 842 551 607**	4xFS7
Bracket (standard)	10		100	**3 842 523 567**	
Cover cap, signal gray			20	**3 842 548 864**	
Cover cap, black			20	**3 842 548 865**	

Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Cover cap: PP
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

Type	Fmax	Mmax	Mmax	Mmax
45x90	6000 N	180 Nm	400 Nm	60 Nm

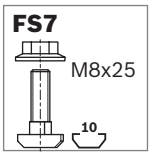




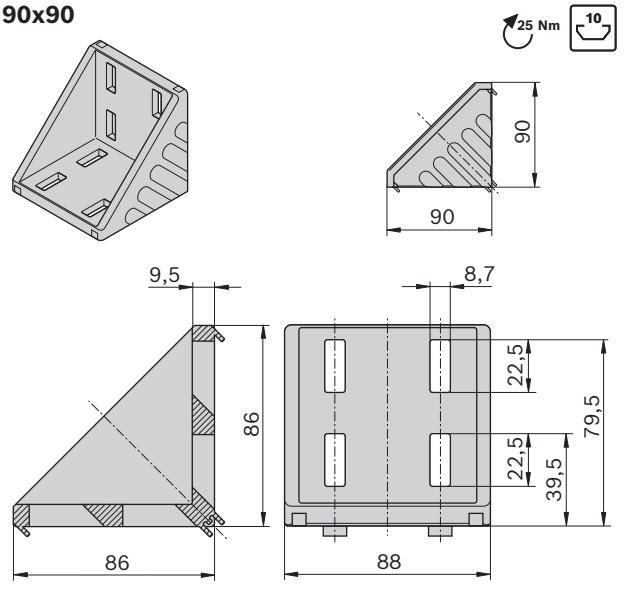
45x180	Slot	ESD		No.	FS
designLINE set	10 / 10		1	**3 842 551 608**	2xFS7
Bracket (standard)	10		20	**3 842 523 583**	
Cover cap, signal gray			20	**3 842 548 866**	
Cover cap, black			20	**3 842 548 867**	

Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Cover cap: PP
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

Type	Fmax	Mmax	Mmax
45x180	9000 N	250 Nm	65 Nm



90x90

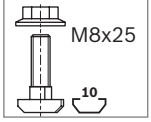


90x90	Slot	ESD		No.	FS
Set (standard)	10 / 10		1	**3 842 523 578**	8xFS7
designLINE set	10 / 10		1	**3 842 551 613**	8xFS7
Bracket (standard)	10		20	**3 842 523 575**	
Cover cap, signal gray			20	**3 842 548 868**	
Cover cap, black			20	**3 842 548 869**	

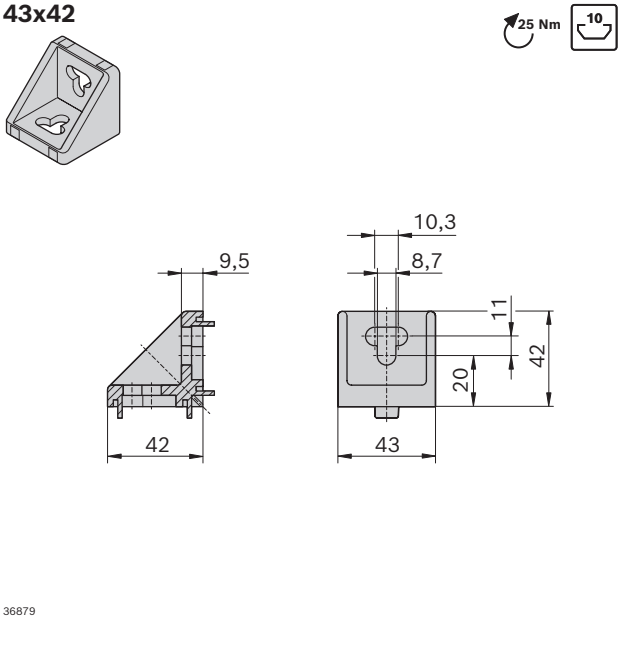
Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Cover cap: PP
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

Type	Fmax	Mmax	Mmax	Mmax
90x90	12000 N	370 Nm	800 Nm	200 Nm

FS7



43x42

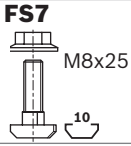


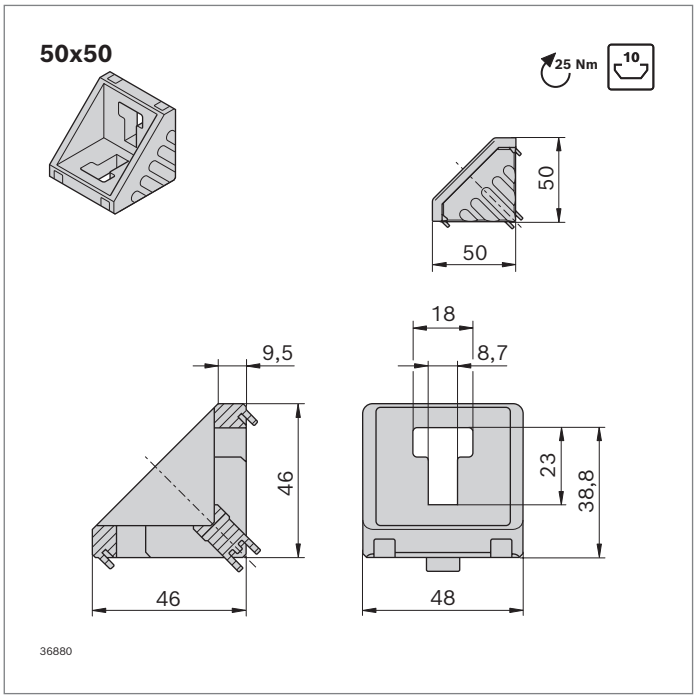
43x42	Slot	ESD		No.	FS
Set (standard)	10 / 10		1	**3 842 352 009**	2xFS7
Bracket (standard)	10		100	**3 842 348 526**	

Material: Bracket Diecast aluminum
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

Type	Fmax	Mmax	Mmax	Mmax
43x42	2000 N	–	160 Nm	–

FS7

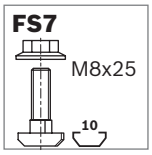


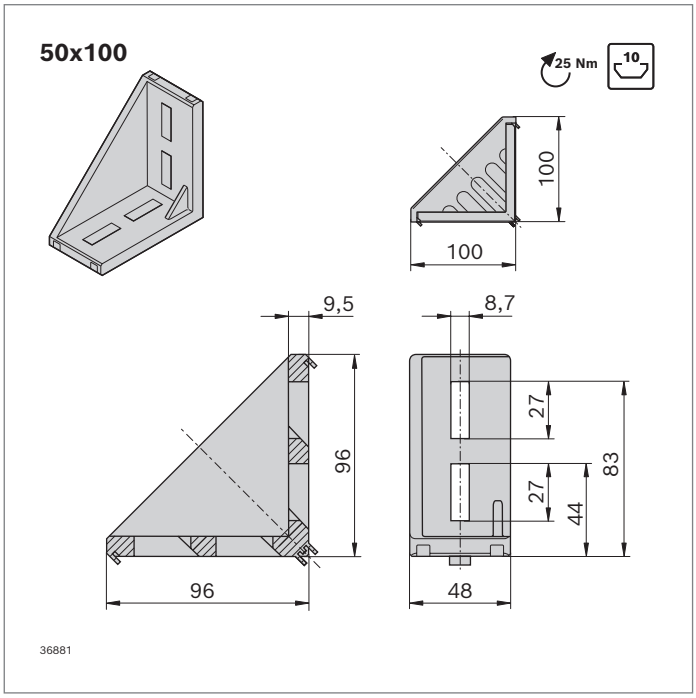


50x50	Slot	ESD		No.	FS
Set (standard)	10 / 10		1	**3 842 530 259**	2xFS7
Bracket (standard)	10		20	**3 842 530 381**	
Cover cap, signal gray			20	**3 842 548 870**	
Cover cap, black			20	**3 842 548 871**	

Material: Bracket Diecast aluminum
Cover cap: PP
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

Type	Fmax	Mmax	Mmax	Mmax
50x50	4000 N	125 Nm	250 Nm	38 Nm

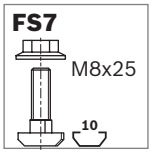


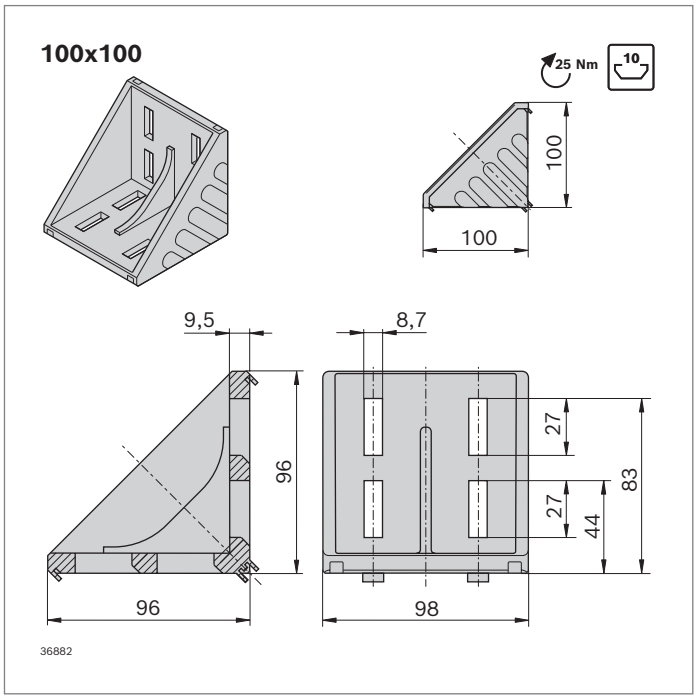


50x100	Slot	ESD		No.	FS
Set (standard)	10 / 10		1	**3 842 530 260**	4xFS7
Bracket (standard)	10		20	**3 842 530 382**	
Cover cap, signal gray			20	**3 842 548 872**	
Cover cap, black			20	**3 842 548 873**	

Material: Bracket Diecast aluminum
Cover cap: PP
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

Type	Fmax	Mmax	Mmax	Mmax
50x100	7500 N	300 Nm	600 Nm	73 Nm



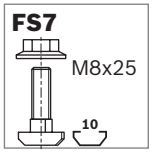


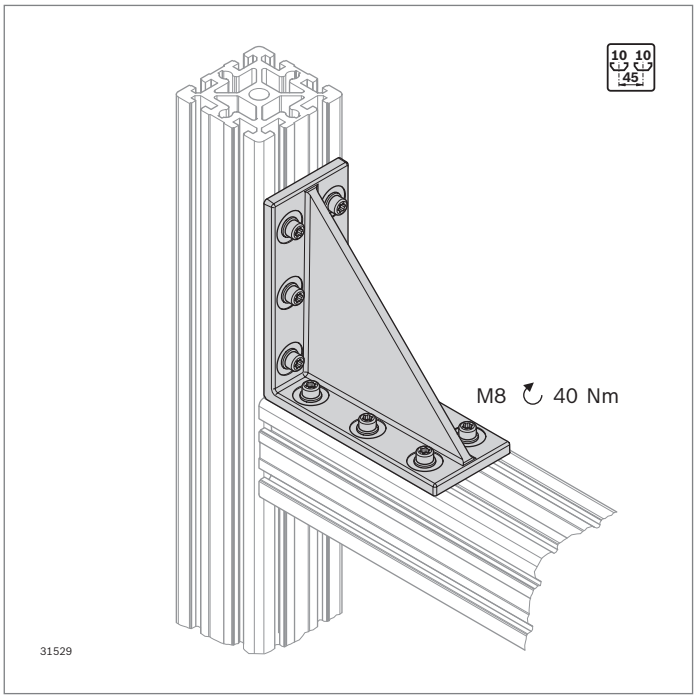
100x100	Slot	ESD		No.	FS
Set (standard)	10 / 10		1	**3 842 530 361**	8xFS7
Bracket (standard)	10		20	**3 842 530 460**	
Cover cap, signal gray			20	**3 842 548 874**	
Cover cap, black			20	**3 842 548 875**	

Material: Bracket Diecast aluminum
Cover cap: PP
Fastening material: Steel; zinc-plated

Scope of delivery: Set incl. fastening material (FS)

Type	Fmax	Mmax	Mmax	Mmax
100x100	15000 N	550 Nm	1100 Nm	480 Nm

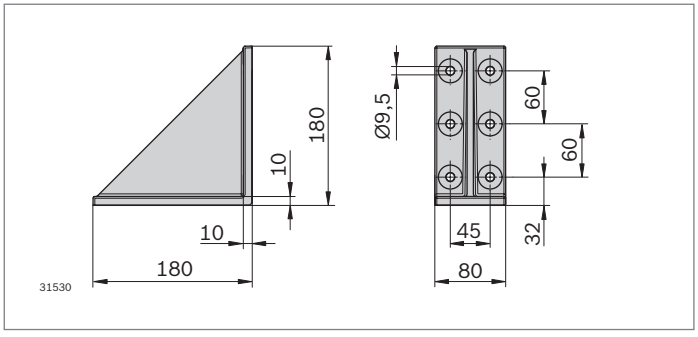




Heavy-duty connector 180x180 dynamic load

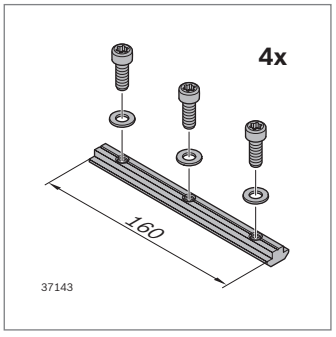
- Heavy-duty connector for reliable absorption of high forces
- Can be used for both static and dynamic forces
- Connection possible in any position
- Profile finishing: Not required
- Calculation program for static and dynamic forces included in MT*pro* planning software
- Focus profile: 90x90, 90x180, 90x360

Required accessories:
Mounting kit



180x180		Slot	ESD	No.
		10		**3 842 555 616**
Material:	Cast iron; zinc-plated			
Scope of delivery:	Bracket			

Type	F_{max}	M_{max}	M_{max}	M_{max}
180x180	30000 N	5600 Nm	5600 Nm	1400 Nm

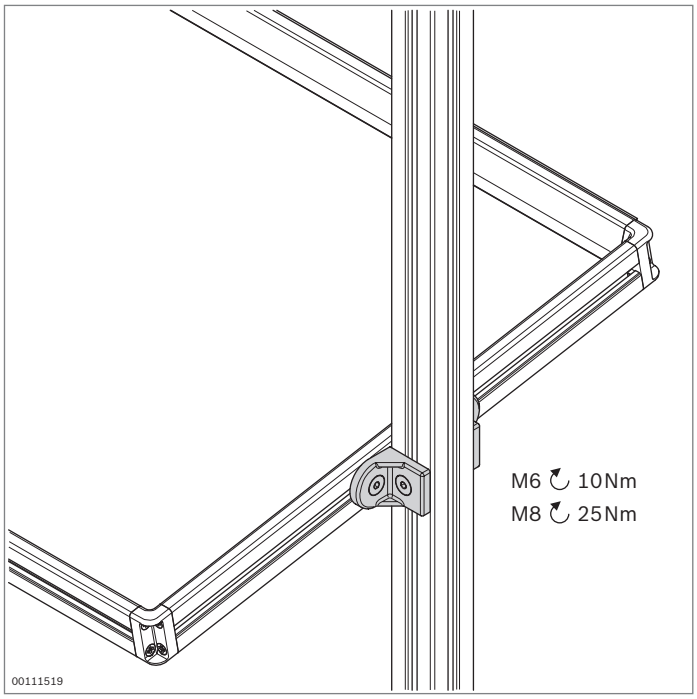


Slot	F_{max}
10 (M8)	6000 ... 18000 N

Mounting kit

- For connecting a heavy-duty angle to a profile
- Set consists of 4 sliding blocks and 12 screws with washers

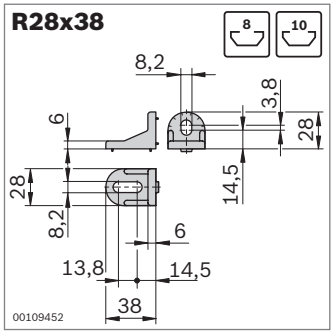
Mounting kit	Slot	M	ESD		No.
	10	8		Set	**3 842 548 955**
Material:	Screws: Steel; zinc-plated Sliding block: Steel; zinc-plated				
Scope of delivery:	4 x sliding blocks, 12 x washers, 12 x screws M8 10.9 microencapsulated				

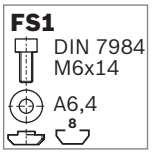


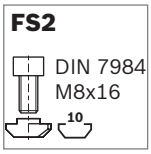
Bracket R

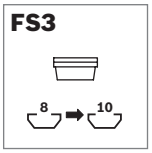
designLINE

- For connecting profiles at any angle
- No interfering edges thanks to rounded bracket
- Brackets with centering lugs for rapid, precise assembly with protection against turning
- Centering lugs can be easily broken off for assembly on plates or at right angles to the slot
- *designLINE* version with special silver paint (RAL 9006) for an attractive, high-quality design
- Profile finishing: Not required



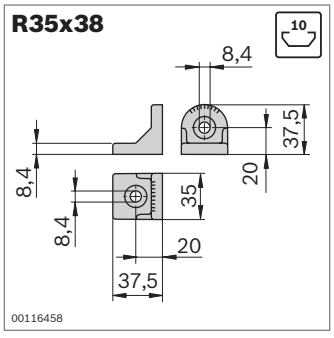


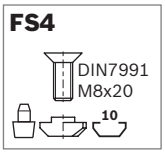




R28x38	Slot	ESD		No.	FS
Set (standard)	8 / 10		1	**3 842 515 547**	FS1, FS2, 2xFS3
	10 / 10		1	**3 842 521 580**	2xFS2, 4xFS3
designLINE set	8 / 10		1	**3 842 538 703**	FS1, FS2, 2xFS3
	10 / 10		1	**3 842 538 704**	2xFS2, 4xFS3
Bracket (standard)	8 / 10		100	**3 842 515 473**	

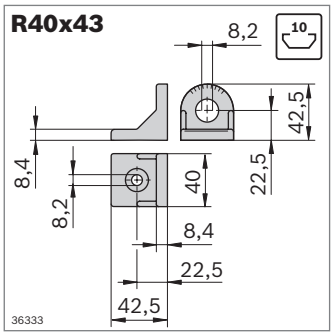
Material: Bracket Diecast zinc
designLINE bracket: painted (RAL 9006)
Intermediate element: PA; black
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

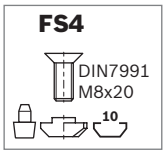




R35x38	Slot	ESD		No.	FS
Set (standard)	10 / 10		1	**3 842 532 274**	2xFS4
designLINE set	10 / 10		1	**3 842 538 705**	2xFS4
Bracket (standard)	10		100	**3 842 529 020**	

Material: Bracket Diecast aluminum
designLINE bracket: painted (RAL 9006)
Centering bolts: PA6; black
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

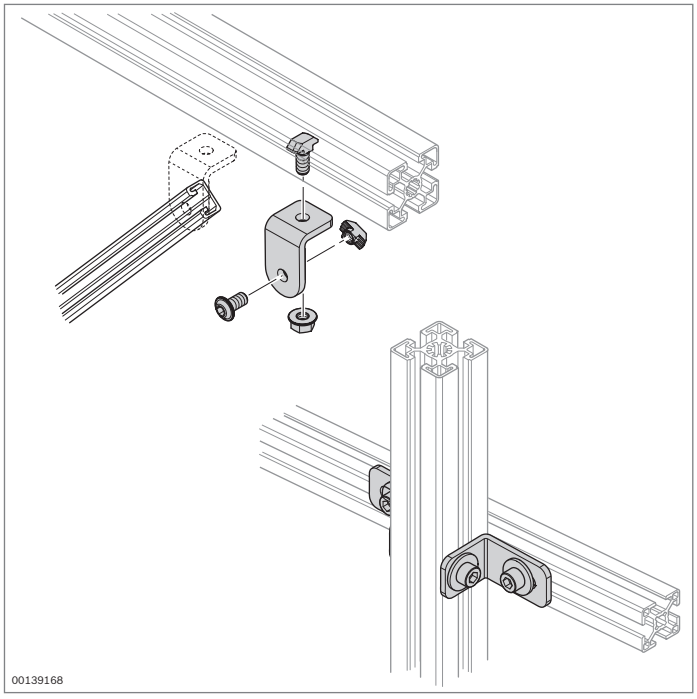




R40x43	Slot	ESD		No.	FS
Set (standard)	10 / 10		1	**3 842 518 424**	2xFS4
designLINE set	10 / 10		1	**3 842 538 706**	2xFS4
Bracket (standard)	10		100	**3 842 504 760**	

Material: Bracket Diecast zinc
designLINE bracket: painted (RAL 9006)
Centering bolts: PA6; black
Fastening material: Steel; zinc-plated

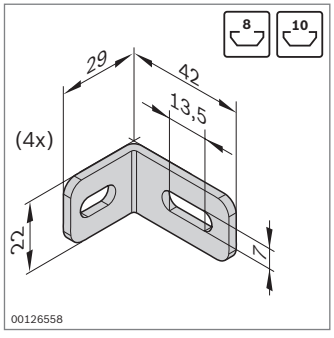
Scope of delivery: Set incl. fastening material (FS)

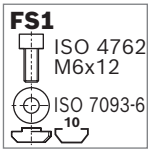


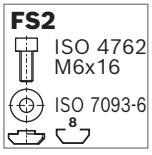
Steel bracket



- Steel bracket without centering lugs for fastening at any angle
- Profile finishing: Not required

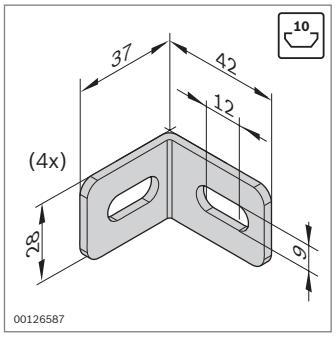


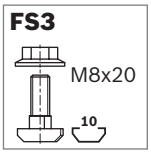




Bracket set	Slot	ESD		No.	FS
	8 / 10		4	**3 842 537 862**	4xFS1, 4xFS2

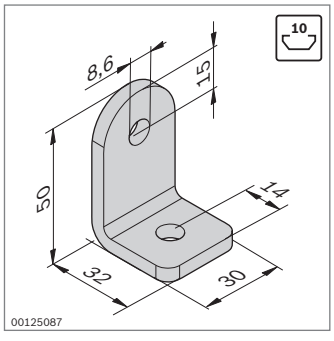
Material:	Steel; zinc-plated Fastening material: Steel; zinc-plated
Scope of delivery:	Set incl. fastening material (FS)

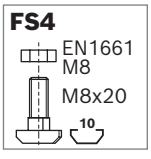


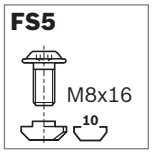


Bracket set	Slot	ESD		No.	FS
	10 / 10		4	**3 842 537 861**	8xFS3

Material:	Steel; zinc-plated Fastening material: Steel; zinc-plated
Scope of delivery:	Set incl. fastening material (FS)

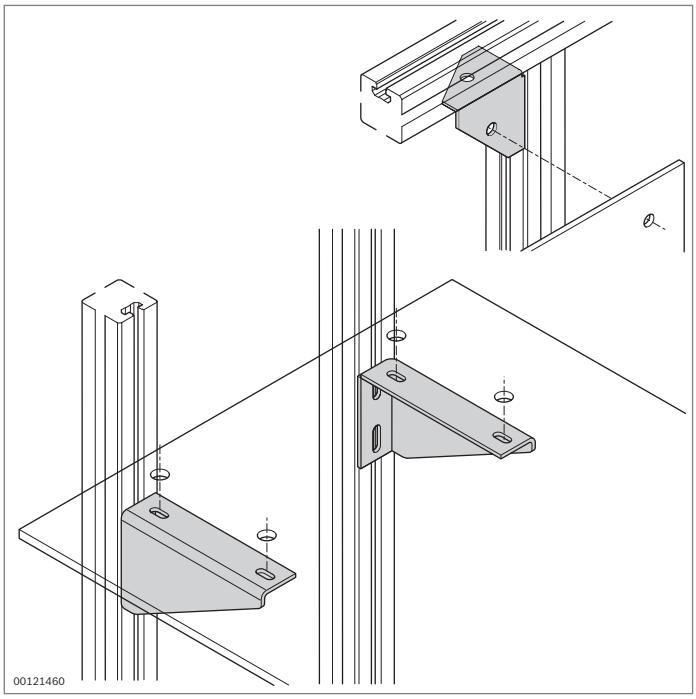






Bracket set	Slot	ESD		No.	FS
	10 / 10		20	**3 842 536 729**	FS4, FS5

Material:	Steel; zinc-plated Fastening material: Steel; zinc-plated
Scope of delivery:	Set incl. fastening material (FS)



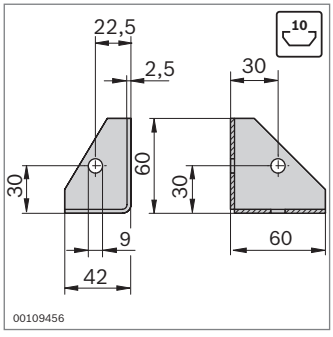
Metal bracket
Supporting bracket

Metal bracket

- Metal bracket for right-angled profile connections
- Screw fitting of panel elements in the stiffening fin bore
- Profile finishing: Not required

Supporting bracket

- Supporting bracket for fastening panel elements to profiles, e.g. for shelves
- Profile finishing: Not required



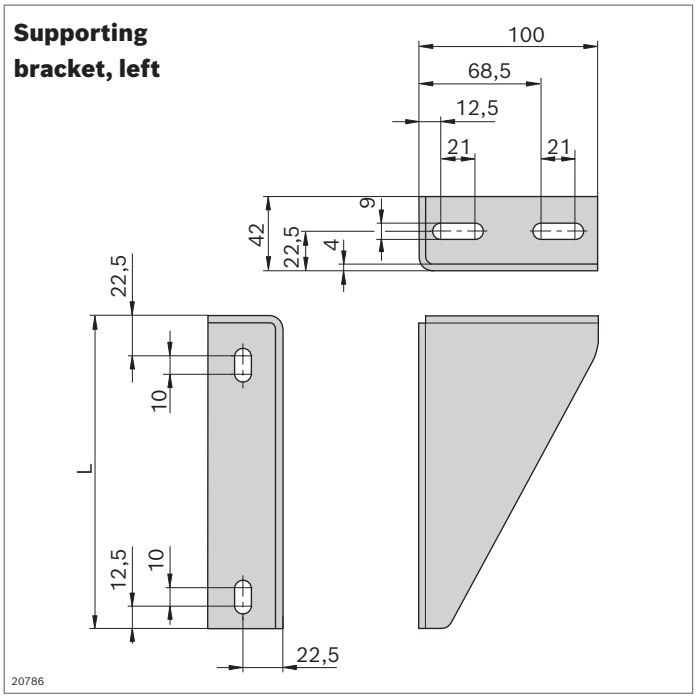
Metal bracket	ESD		No.
	ESD	20	**3 842 146 813**

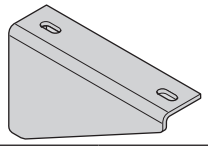
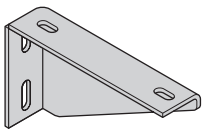
Material: Sheet steel; zinc-plated

Required accessories:

- T-bolt M8x20, 10 mm slot, **3 842 528 715** (p. 3-6)
- Flange nut M8, **3 842 345 081** (p. 3-6)

Supporting bracket, left

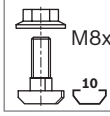


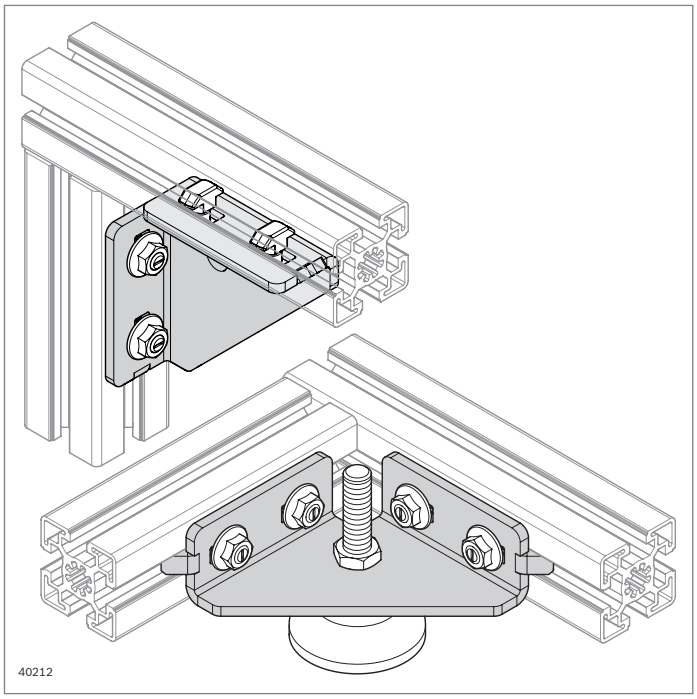
Supporting bracket	L (mm)	ESD	No.	FS
left 	255	ESD	**3 842 536 119**	2xFS1
	335	ESD	**3 842 536 121**	2xFS1
	415	ESD	**3 842 536 123**	2xFS1
	495	ESD	**3 842 536 125**	2xFS1
right 	255	ESD	**3 842 536 120**	2xFS1
	335	ESD	**3 842 536 122**	2xFS1
	415	ESD	**3 842 536 124**	2xFS1
	495	ESD	**3 842 536 126**	2xFS1

Material: Sheet steel; powder-coated, RAL 7037
Fastening material: Steel; zinc-plated

Scope of delivery: Incl. fastening material (FS)

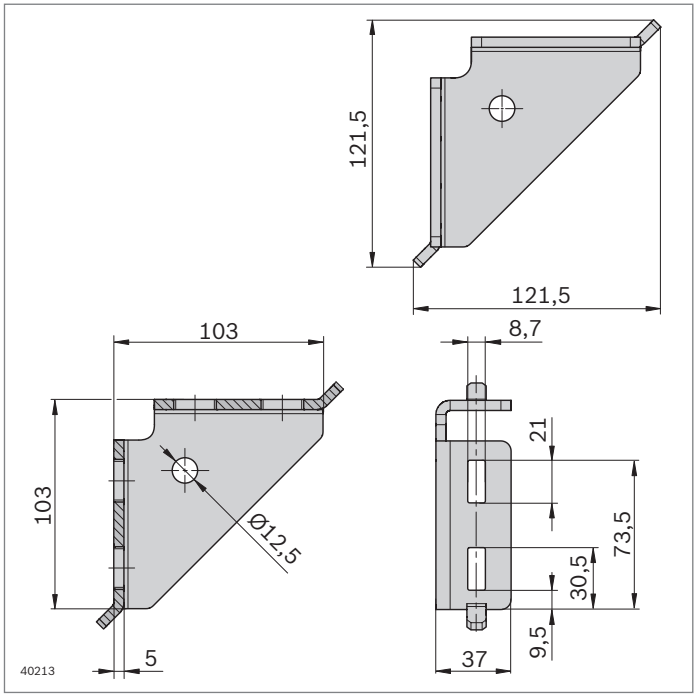
FS1





Metal bracket

- Fastening of leveling feet offset inwards and wheels with M12 thread
- Metal bracket for right-angled profile connections
- Screw fitting of panel elements in the stiffening fin bore
- Profile finishing: Not required

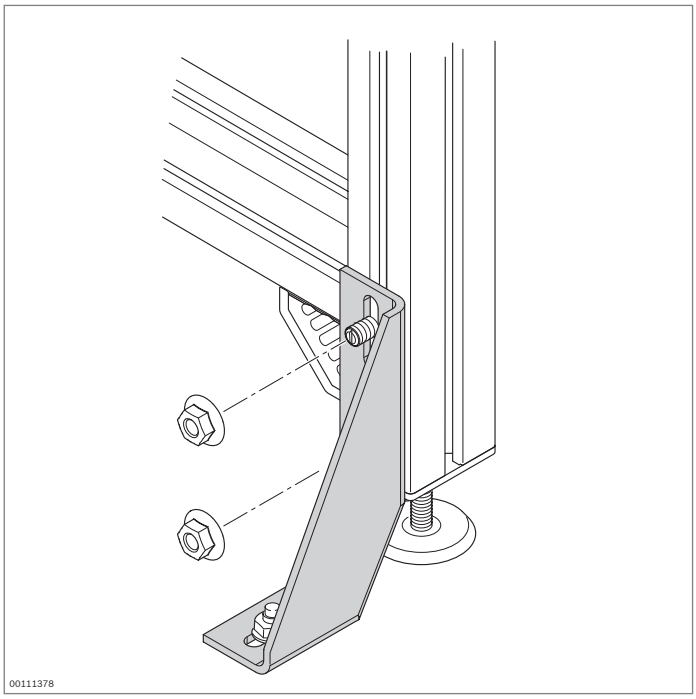


Metal bracket 103x103x37	ESD	No.	FS
		3 842 564 154	4xFS1, 1xFS2

Material: Sheet steel; zinc-plated
Scope of delivery: Incl. Fastening material

FS1
M8x20

FS2
ISO4032-M12



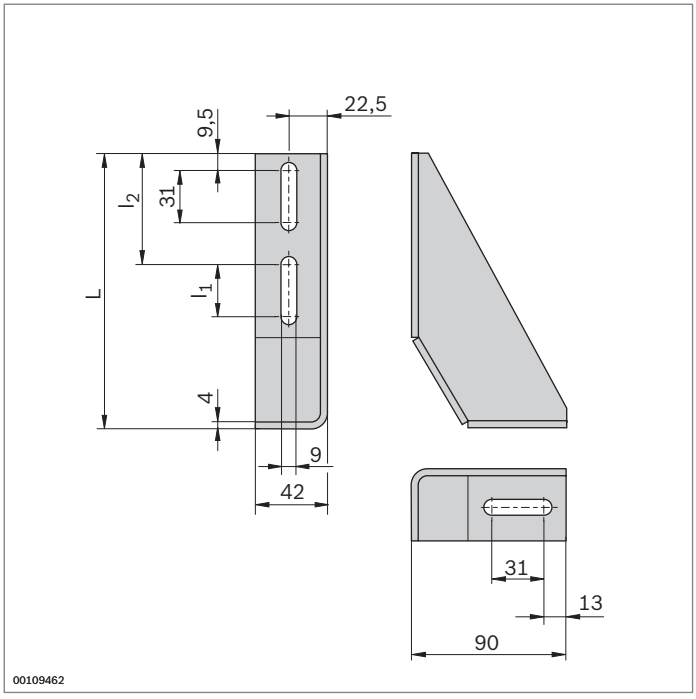
Foundation bracket

10

- Foundation bracket for securing frames to the floor
- The drilled hole for the floor dowel can be created without removing the foundation bracket
- Profile finishing: Not required

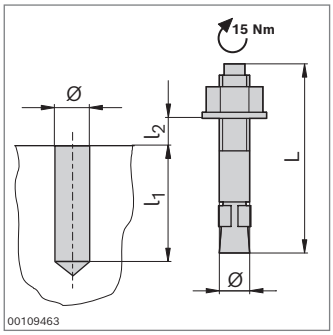
Required accessories:

- T-bolt M8x20, 10 mm slot, **3 842 528 715** (p. 3-6)
- Flange nut M8, **3 842 345 081** (p. 3-6)
- Floor dowel



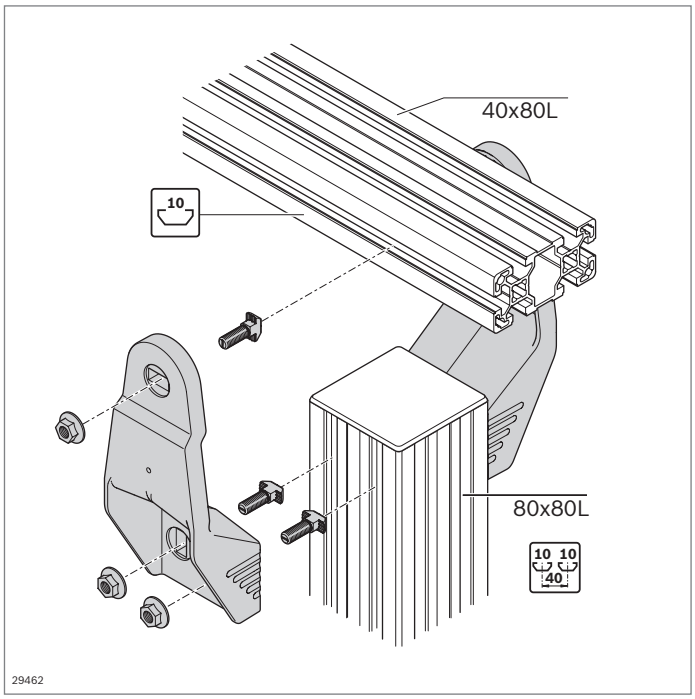
Foundation bracket	L (mm)	l_1 (mm)	l_2 (mm)		No.
	160	31	64.5	20	**3 842 146 815**
	210	91	54.5	20	**3 842 146 848**

Material: Sheet steel; zinc-plated



Floor dowel	ø	L (mm)	l_1 (mm)	$l_{2\,max}$ (mm)		No.
	8	80	65	15	100	**3 842 526 560**

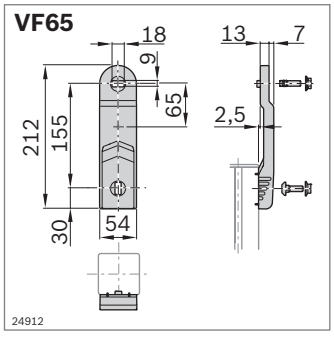
Material: Steel; zinc-plated

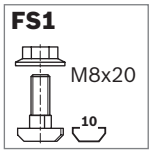


Holder AL

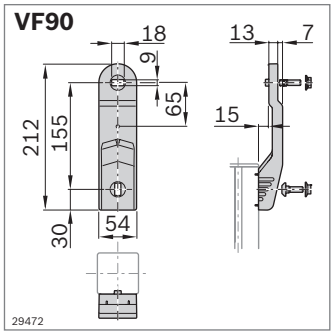
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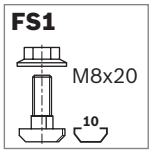
- For connecting profiles at right-angles to each other and with defined spacing, e.g. for floor supports made of 80x80L or 60x60 profiles
- Longitudinal connection possible in all profiles with 10 mm slot
- Transverse connection possible with 40 mm slot spacing
- Profile finishing: Not required



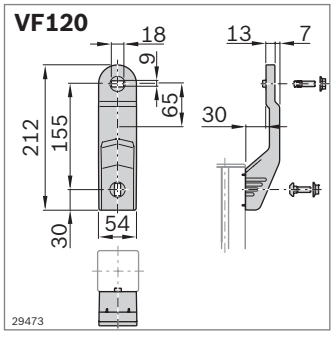


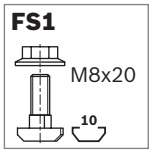
Holder		No.	FS
VF*plus* 65	Set	**3 842 546 625**	4xFS1
Material:	Holder: Diecast aluminum; powder-coated (RAL 9006) Fastening material: Steel; zinc-plated		
Scope of delivery:	2 x holder, fastening material (FS)		



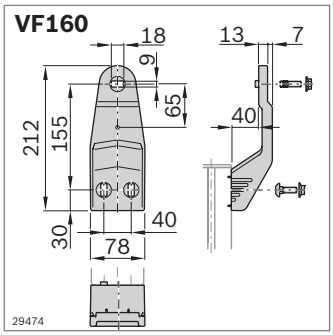


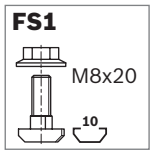
Holder		No.	FS
VF*plus* 90	Set	**3 842 546 626**	4xFS1
Material:	Holder: Diecast aluminum; powder-coated (RAL 9006) Fastening material: Steel; zinc-plated		
Scope of delivery:	2 x holder, fastening material (FS)		



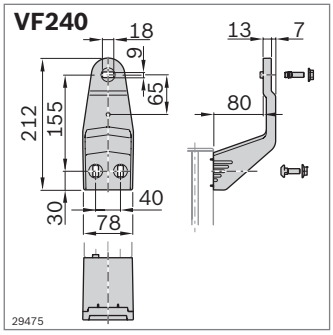


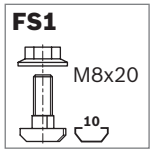
Holder		No.	FS
VF*plus* 120	Set	**3 842 546 627**	4xFS1
Material:	Holder: Diecast aluminum; powder-coated (RAL 9006) Fastening material: Steel; zinc-plated		
Scope of delivery:	2 x holder, fastening material (FS)		



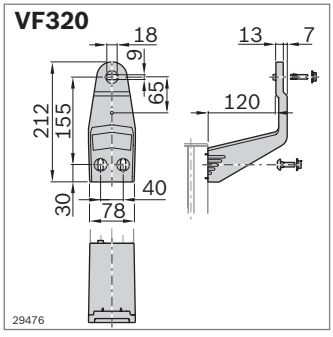


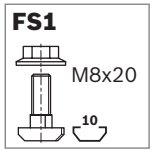
Holder		No.	FS
VF*plus* 160	Set	**3 842 546 628**	6xFS1
Material:	Holder: Diecast aluminum; powder-coated (RAL 9006) Fastening material: Steel; zinc-plated		
Scope of delivery:	2 x holder, fastening material (FS)		



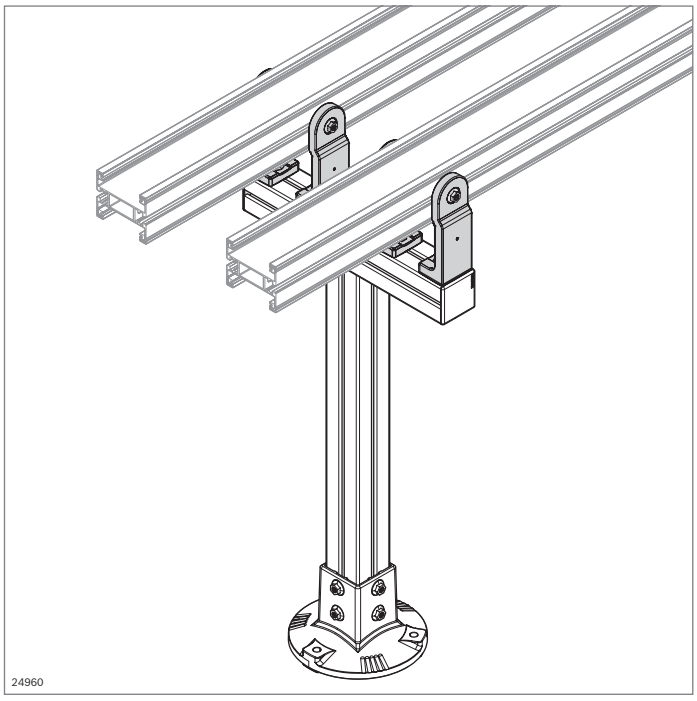


Holder		No.	FS
VF*plus* 240	Set	**3 842 546 629**	6xFS1
Material:	Holder: Diecast aluminum; powder-coated (RAL 9006) Fastening material: Steel; zinc-plated		
Scope of delivery:	2 x holder, fastening material (FS)		





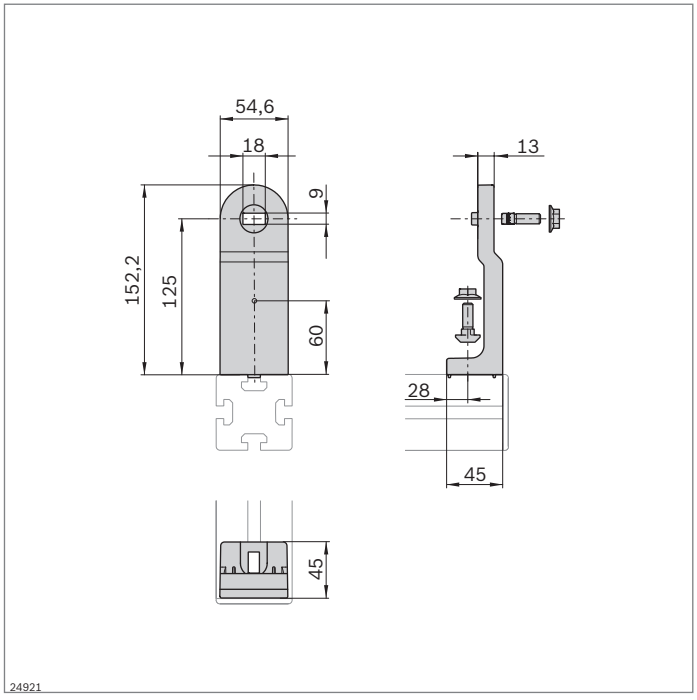
Holder		No.	FS
VF*plus* 320	Set	**3 842 546 630**	6xFS1
Material:	Holder: Diecast aluminum; powder-coated (RAL 9006) Fastening material: Steel; zinc-plated		
Scope of delivery:	2 x holder, fastening material (FS)		



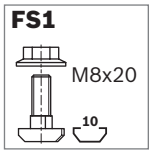
Supporting bracket AL

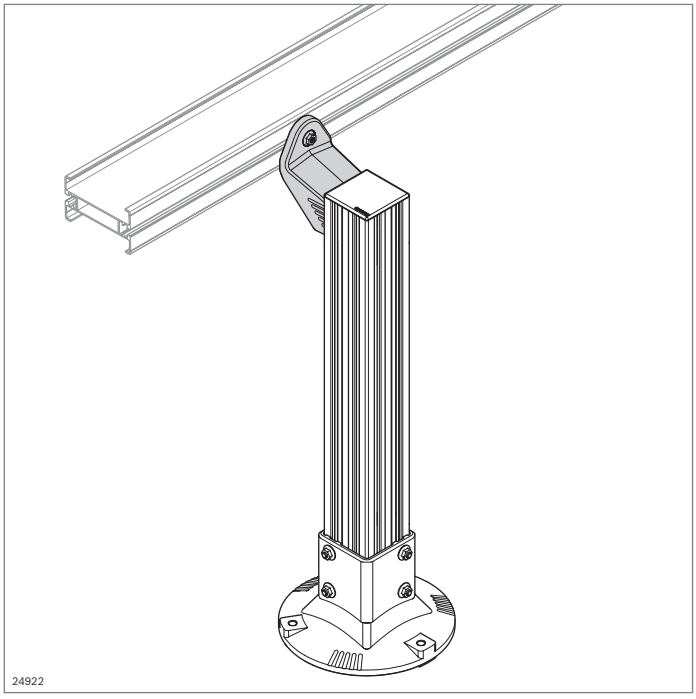
10

- Supporting bracket for connecting two profiles with defined spacing (approx. 2–3 m)
- Profile finishing: Not required
- Centering lugs make centering the supporting brackets in the slot easy
- If the centering lugs are removed, the supporting bracket can also be used for upward and downward sloping sections (up to approx. 45° depending on the return chain)
- Very simple assembly thanks to pluggable screwed connection
- Easy-to-clean design with draining surfaces



Supporting bracket VF*plus* AL		No.	FS
	Set	**3 842 546 632**	4xFS1
Material:	Holder: Diecast aluminum, silver Fastening material: Steel; zinc-plated		
Scope of delivery:	Incl. 2x holder; fastening material (FS)		

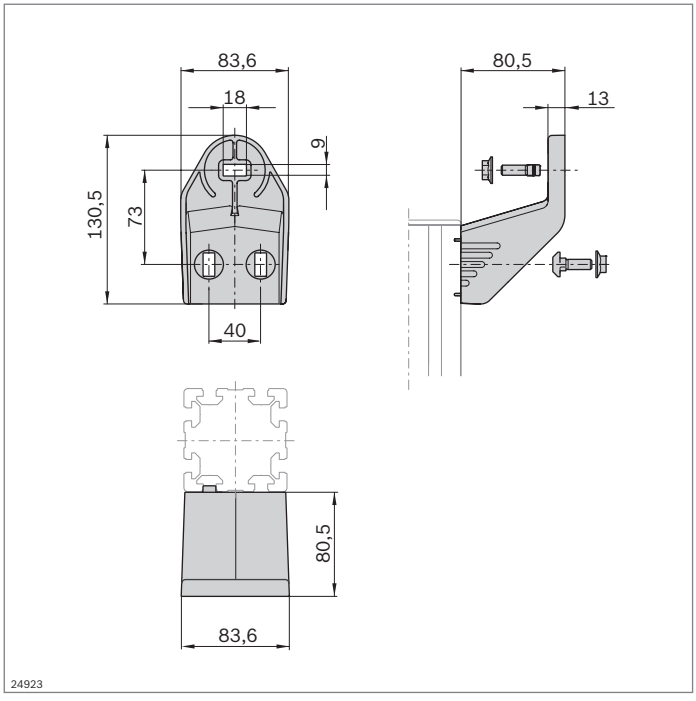




Supporting bracket AL, lateral

10

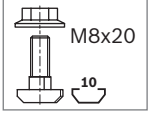
- Supporting bracket for connecting two profiles with defined spacing (approx. 2–3 m)
- Profile finishing: Not required
- Centering lugs make centering the supporting brackets in the slot easy
- If the centering lugs are removed, the supporting bracket can also be used for upward and downward sloping sections (up to approx. 45° depending on the return chain)
- Designed for attachment to a vertical 80x80 strut profile

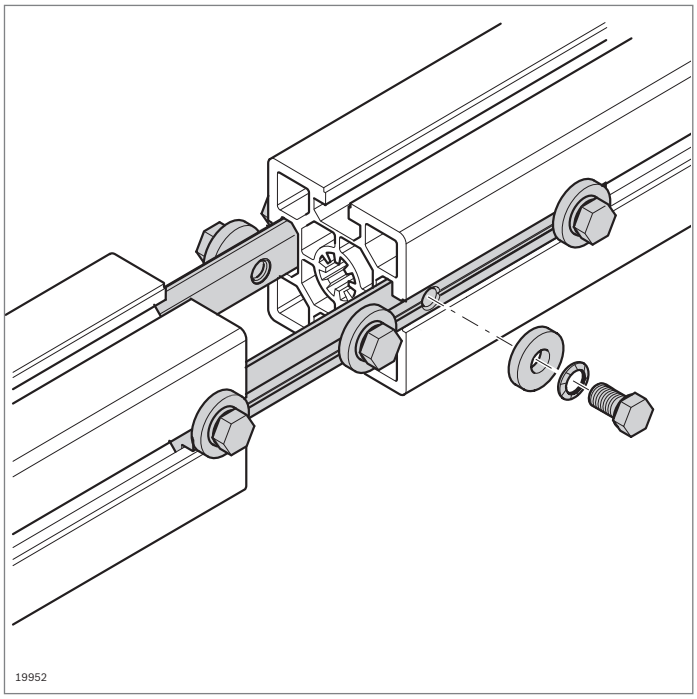


Supporting bracket VF*plus* lateral AL		No.	FS
	Set	**3 842 547 461**	3xFS1

Material:	Holder: Diecast aluminum; powder-coated (RAL 9006) Fastening material: Steel; zinc-plated
Scope of delivery:	Incl. fastening material (FS)

FS1

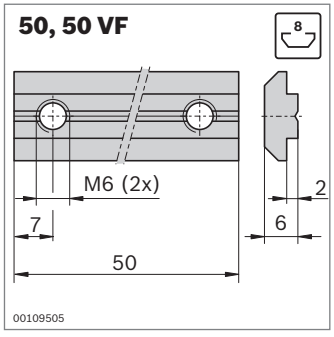




Profile connector



- Profile connector for the end-face connection of any profiles
- For an especially strong connection: One profile connector per slot
- Profile finishing: Not required



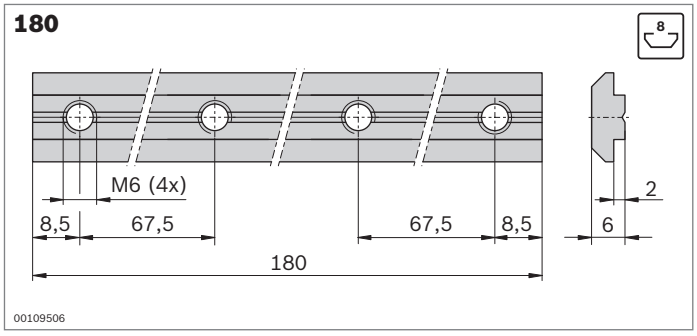
Profile connector	(Nm)	Slot		No.	FS
50 VF	10	8	10	**3 842 536 787**	2xFS2
50	8.5	8	1	**3 842 518 427**	2xFS1

Material: Steel; zinc-plated; fastening material: Steel; zinc-plated

Scope of delivery: Incl. fastening material (FS)

FS1
ISO 4026
M6x10

FS2
M6x8
ISO 4762
ISO 7089-6

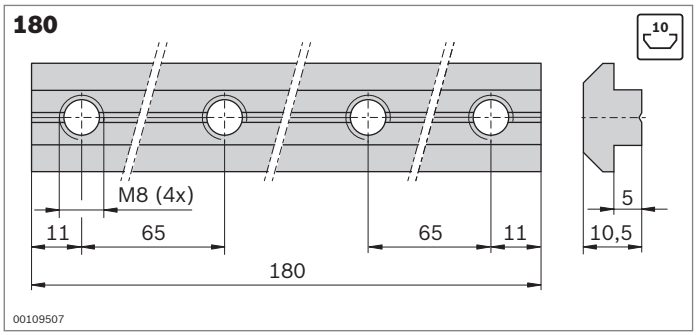


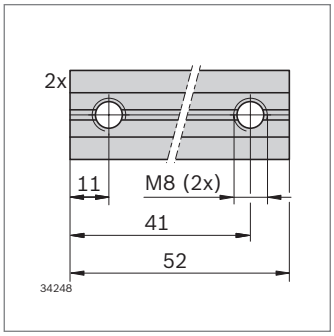
Profile connector	(Nm)	Slot	No.	FS
180	10	8	**3 842 521 216**	4xFS3

Material: Steel; zinc-plated; fastening material: Steel; zinc-plated

Scope of delivery: Incl. fastening material (FS)

FS3
ISO 4762
M6x10
DIN 7349
6,4





Profile connector	(Nm)	Slot	No.	FS
180	25	10	**3 842 528 746**	4xFS4

Material: Steel; zinc-plated; fastening material: Steel; zinc-plated

Scope of delivery: Incl. fastening material (FS)

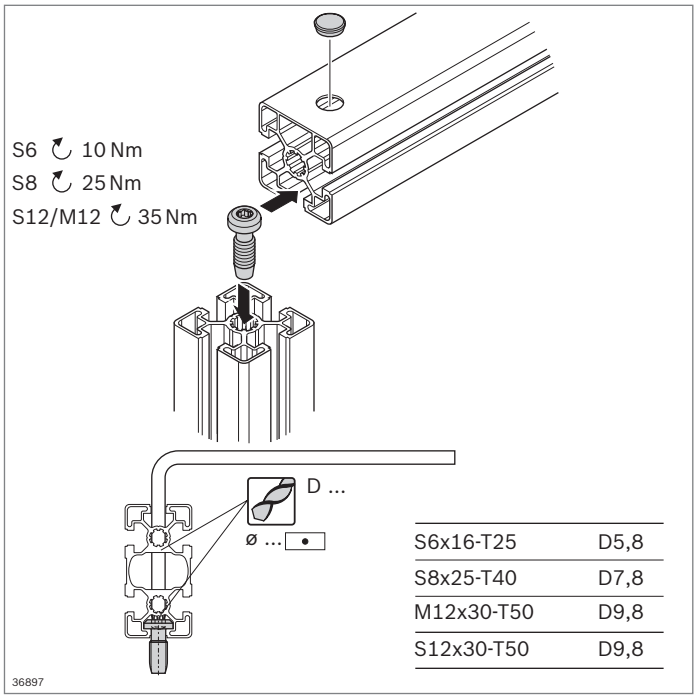
FS4
ISO 4017 M8x14
8-Fst
DIN 7394 8,4

Connection kit	(Nm)	Slot		No.	FS
	18	10	Set	**3 842 529 881**	4xFS5

Material: Steel; zinc-plated; fastening material: Steel; zinc-plated

Scope of delivery: Set consisting of 2 pieces incl. fastening material

FS5
M8x12



S6x16-T25	D5,8
S8x25-T40	D7,8
M12x30-T50	D9,8
S12x30-T50	D9,8

36897

Central bolt, anti-torsion element, cover cap

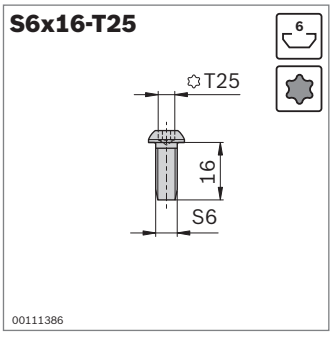


Central bolt

- Best-value connection element
- Self-tapping screw, can be mounted without profile finishing
- Profile finishing:
  - Thread cutting for M12x30 screw
  - Through-hole for screwdriver/offset screwdriver

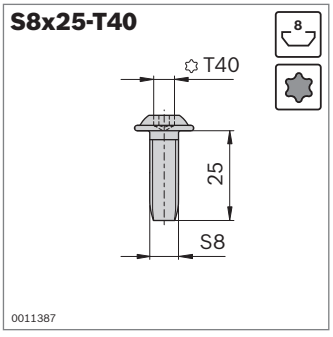
Tools:
Offset screwdriver (p. 14-6)

S6x16-T25



00111386

S8x25-T40

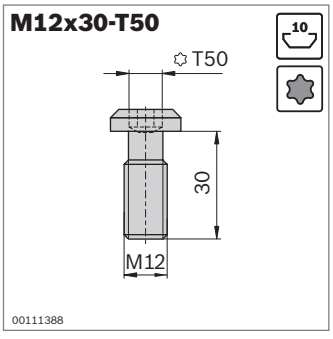


0011387

Central bolt	Slot	ESD		No.
S6x16-T25 (self-tapping)	6		100	**3 842 528 593**
S8x25-T40 (self-tapping)	8		100	**3 842 527 174**

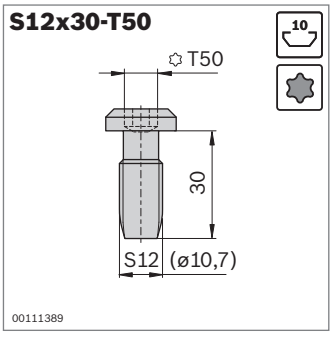
Material: Steel; zinc-plated

M12x30-T50



00111388

S12x30-T50

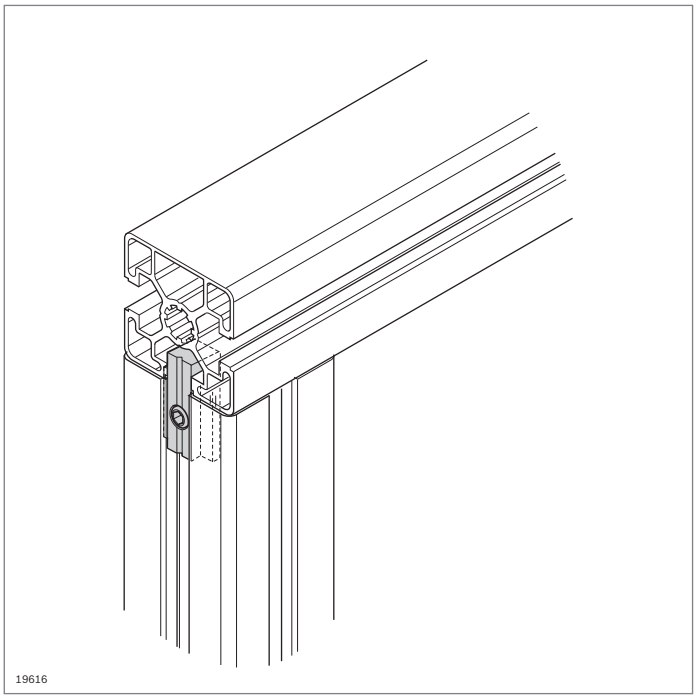


00111389

Central bolt	Slot	ESD		No.
M12x30-T50	10		100	**3 842 530 235**
S12x30-T50 (self-tapping)	10		100	**3 842 530 236**

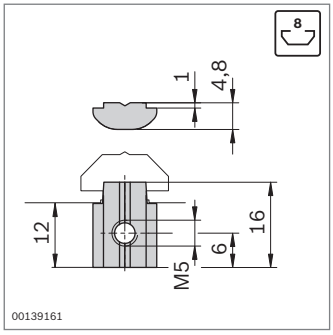
Material: Steel; zinc-plated

Size	F_{max}	M_{max}
S6	500 N	8 Nm
S8	800 N	43 Nm
S12	1300 N	80 Nm
M12	3000 N	80 Nm



Anti-torsion element

- Provides torsion resistance for profile connections with central bolts or quick connectors
- Subsequent installation in the connection possible



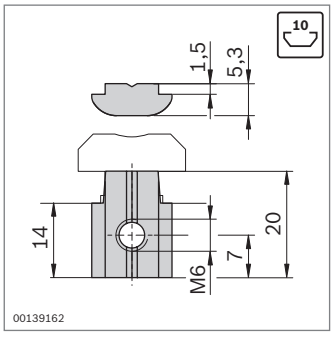
FS1



DIN 916
M5x8

Anti-torsion element	Slot		No.	FS
	8	10	**3 842 530 325**	FS1

Material: Steel; zinc-plated
Fastening material: Steel; zinc-plated



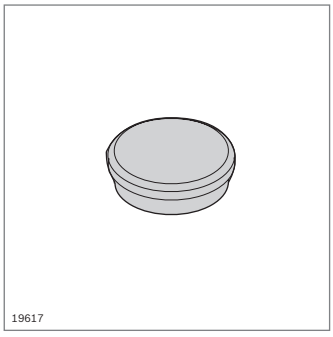
FS2



ISO 4029
M6x12

Anti-torsion element	Slot		No.	FS
	10	10	**3 842 530 326**	FS2

Material: Steel; zinc-plated
Fastening material: Steel; zinc-plated

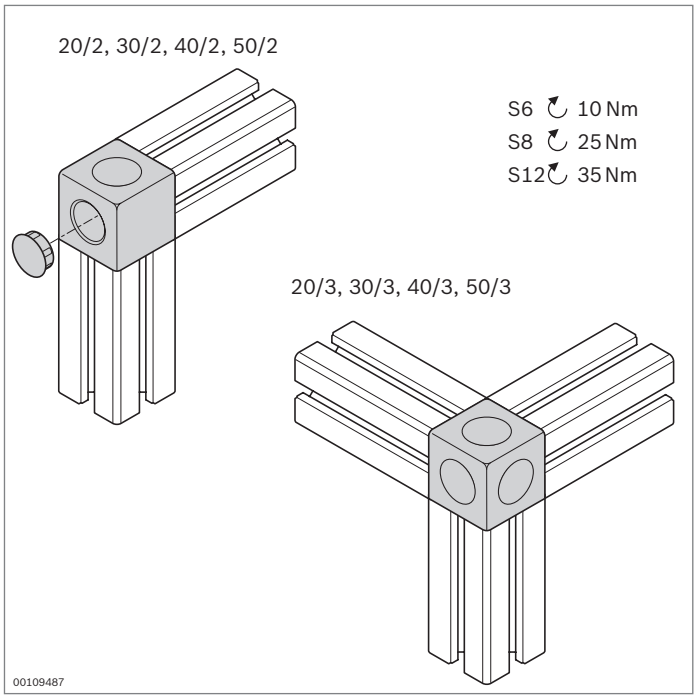


Cover cap

- For sealing through-holes in closed profiles

Cover cap	D (mm)		No.
	5.8	100	**3 842 551 032**
	7.8	100	**3 842 551 034**
	9.8	100	**3 842 551 036**

Material: TPE; signal gray RAL 7004



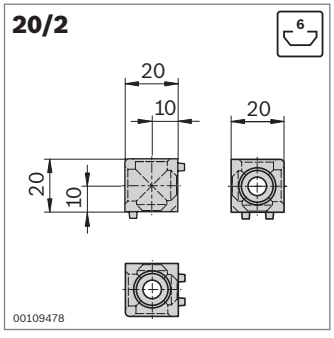
Cubic connector



designLINE

- For torsion-proof corner connections of profiles with equivalent cross-sections
- *designLINE* version with special silver paint (RAL 9006) for an attractive, high-quality design
- Cover caps to cover the openings
- Screw fitting on profile with self-tapping screws
- Profile finishing: Not required

Technical data (p. 18-18)



Type	M_{max}
20/2	18 Nm

FS1

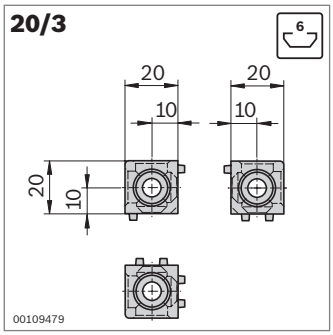


Cubic connector 20/2		Slot	ESD		No.	FS
Set (standard), signal gray		6	*	1	**3 842 549 858**	2xFS1
designLINE set, signal gray		6	*	1	**3 842 549 859**	2xFS1
Cubic connector		6		20	**3 842 523 875**	
Cover cap D12	signal gray (PP)			100	**3 842 548 700**	
	black (PP)			100	**3 842 548 704**	
Countersunk screw S6x16		6		100	**3 842 517 132**	

Material: Cubic connector: Diecast aluminum
designLINE cubic connector: painted (RAL 9006)
Fastening material: Steel; zinc-plated

Scope of delivery: Set incl. fastening material (FS), cover caps

* Cubic connector creates conductive connection, but the cover caps included in the set are not ESD-compatible.



Type	M_{max} / 2 + M_{max} / 2
20/3	23 Nm

FS1

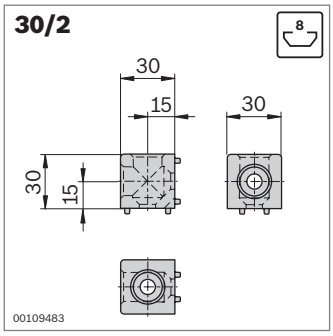


Cubic connector 20/3		Slot	ESD		No.	FS
Set (standard), signal gray		6	⚠*	1	**3 842 549 860**	3xFS1
designLINE set, signal gray		6	⚠*	1	**3 842 549 861**	3xFS1
Cubic connector		6	⚠	20	**3 842 523 872**	
Cover cap D12	signal gray (PP)			100	**3 842 548 700**	
	black (PP)		⚠	100	**3 842 548 704**	
Countersunk screw S6x16		6	⚠	100	**3 842 517 132**	

Material: Cubic connector: Diecast aluminum
designLINE cubic connector: painted (RAL 9006)
Fastening material: Steel; zinc-plated

Scope of delivery: Set incl. fastening material (FS), cover caps

* Cubic connector creates conductive connection, but the cover caps included in the set are not ESD-compatible.



Type	M_{max}
30/2	80 Nm

FS2

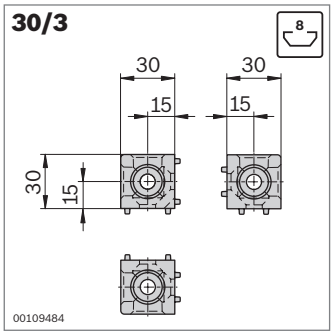


Cubic connector 30/2		Slot	ESD		No.	FS
Set (standard), signal gray		8	⚠*	1	**3 842 549 862**	2xFS2
designLINE set, signal gray		8	⚠*	1	**3 842 549 863**	2xFS2
Cubic connector		8	⚠	20	**3 842 523 876**	
Cover cap D18	signal gray (PP)			100	**3 842 548 701**	
	black (PP)		⚠	100	**3 842 548 705**	
Countersunk screw S8x25		8	⚠	100	**3 842 517 543**	

Material: Cubic connector: Diecast aluminum
designLINE cubic connector: painted (RAL 9006)
Fastening material: Steel; zinc-plated

Scope of delivery: Set incl. fastening material (FS), cover caps

* Cubic connector creates conductive connection, but the cover caps included in the set are not ESD-compatible.



Type	M_{max} / 2 + M_{max} / 2
30/3	85 Nm

FS2



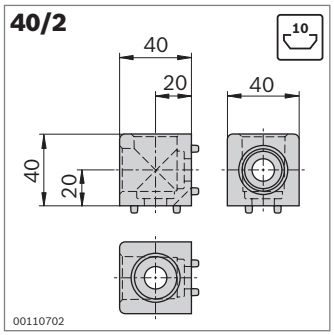
Cubic connector 30/3		Slot	ESD		No.	FS
Set (standard), signal gray		8	⚠*	1	**3 842 549 864**	3xFS2
designLINE set, signal gray		8	⚠*	1	**3 842 549 865**	3xFS2
Cubic connector		8	⚠	20	**3 842 523 873**	
Cover cap D18	signal gray (PP)			100	**3 842 548 701**	
	black (PP)		⚠	100	**3 842 548 705**	
Countersunk screw S8x25		8	⚠	100	**3 842 517 543**	

Material: Cubic connector: Diecast aluminum
designLINE cubic connector: painted (RAL 9006)
Fastening material: Steel; zinc-plated

Scope of delivery: Set incl. fastening material (FS), cover caps

* Cubic connector creates conductive connection, but the cover caps included in the set are not ESD-compatible.

40/2



Type	M_{max}
40/2	60 Nm

FS3



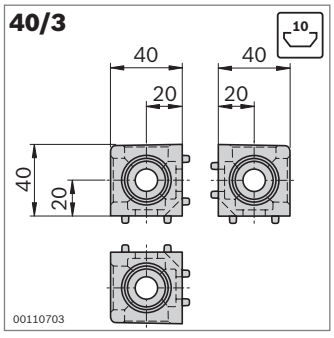
Cubic connector 40/2		Slot	ESD		No.	FS
Set (standard), signal gray		10	ESD*	1	**3 842 549 866**	2xFS3
designLINE set, signal gray		10	ESD*	1	**3 842 549 867**	2xFS3
Cubic connector		10	ESD	20	**3 842 529 010**	
Cover cap D24	signal gray (PP)			100	**3 842 548 702**	
	black (PP)		ESD	100	**3 842 548 706**	
Screw S12x30		10	ESD	100	**3 842 530 236**	

Material: Cubic connector: Diecast aluminum
designLINE cubic connector: painted (RAL 9006)
Fastening material: Steel; zinc-plated

Scope of delivery: Set incl. fastening material (FS), cover caps

* Cubic connector creates conductive connection, but the cover caps included in the set are not ESD-compatible.

40/3



Type	$\frac{M_{max}}{2}$ $\frac{M_{max}}{2}$
40/3	70 Nm

FS3



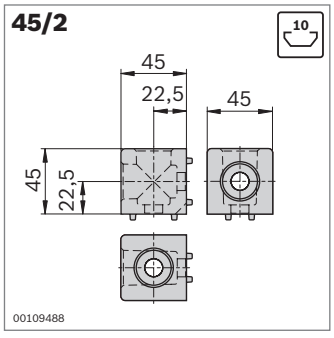
Cubic connector 40/3		Slot	ESD		No.	FS
Set (standard), signal gray		10	ESD*	1	**3 842 549 868**	3xFS3
designLINE set, signal gray		10	ESD*	1	**3 842 549 869**	3xFS3
Cubic connector		10	ESD	20	**3 842 529 011**	
Cover cap D24	signal gray (PP)			100	**3 842 548 702**	
	black (PP)		ESD	100	**3 842 548 706**	
Screw S12x30		10	ESD	100	**3 842 530 236**	

Material: Cubic connector: Diecast aluminum
designLINE cubic connector: painted (RAL 9006)
Fastening material: Steel; zinc-plated

Scope of delivery: Set incl. fastening material (FS), cover caps

* Cubic connector creates conductive connection, but the cover caps included in the set are not ESD-compatible.

45/2



Type		M_{max}
45/2	45x45L	150 Nm
	45x45	200 Nm

FS3

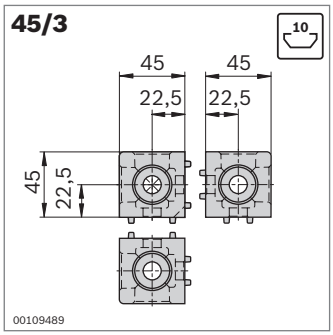


Cubic connector 45/2		Slot	ESD		No.	FS
Set (standard), signal gray		10	ESD*	1	**3 842 549 870**	2xFS3
designLINE set, signal gray		10	ESD*	1	**3 842 549 871**	2xFS3
Cubic connector		10	ESD	20	**3 842 523 877**	
Cover cap D24	signal gray (PP)			100	**3 842 548 702**	
	black (PP)		ESD	100	**3 842 548 706**	
Screw S12x30		10	ESD	100	**3 842 530 236**	

Material: Cubic connector: Diecast aluminum
designLINE cubic connector: painted (RAL 9006)
Fastening material: Steel; zinc-plated

Scope of delivery: Set incl. fastening material (FS), cover caps

* Cubic connector creates conductive connection, but the cover caps included in the set are not ESD-compatible.



Type		M_{max} / 2 + M_{max} / 2
45/3	45x45L	170 Nm
	45x45	240 Nm

FS3

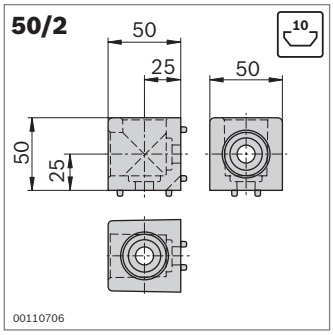


Cubic connector 45/3		Slot	ESD		No.	FS
Set (standard), signal gray		10	ESD*	1	**3 842 549 872**	3xFS3
designLINE set, signal gray		10	ESD*	1	**3 842 549 873**	3xFS3
Cubic connector		10	ESD	20	**3 842 523 874**	
Cover cap D24	signal gray (PP)			100	**3 842 548 702**	
	black (PP)		ESD	100	**3 842 548 706**	
Screw S12x30		10	ESD	100	**3 842 530 236**	

Material: Cubic connector: Diecast aluminum
designLINE cubic connector: painted (RAL 9006)
Fastening material: Steel; zinc-plated

Scope of delivery: Set incl. fastening material (FS), cover caps

* Cubic connector creates conductive connection, but the cover caps included in the set are not ESD-compatible.



Type	M_{max}
50/2	120 Nm

FS3

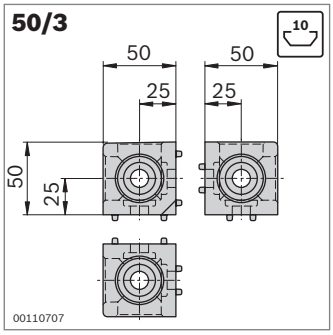


Cubic connector 50/2		Slot	ESD		No.	FS
Set (standard), signal gray		10	ESD*	1	**3 842 549 874**	2xFS3
Cubic connector		10	ESD	20	**3 842 529 012**	
Cover cap D30	signal gray (PP)			100	**3 842 548 703**	
	black (PP)		ESD	100	**3 842 548 707**	
Screw S12x30		10	ESD	100	**3 842 530 236**	

Material: Cubic connector: Diecast aluminum
Fastening material: Steel; zinc-plated

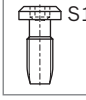
Scope of delivery: Set incl. fastening material (FS), cover caps

* Cubic connector creates conductive connection, but the cover caps included in the set are not ESD-compatible.



Type	M_{max} / 2 + M_{max} / 2
50/3	140 Nm

FS3

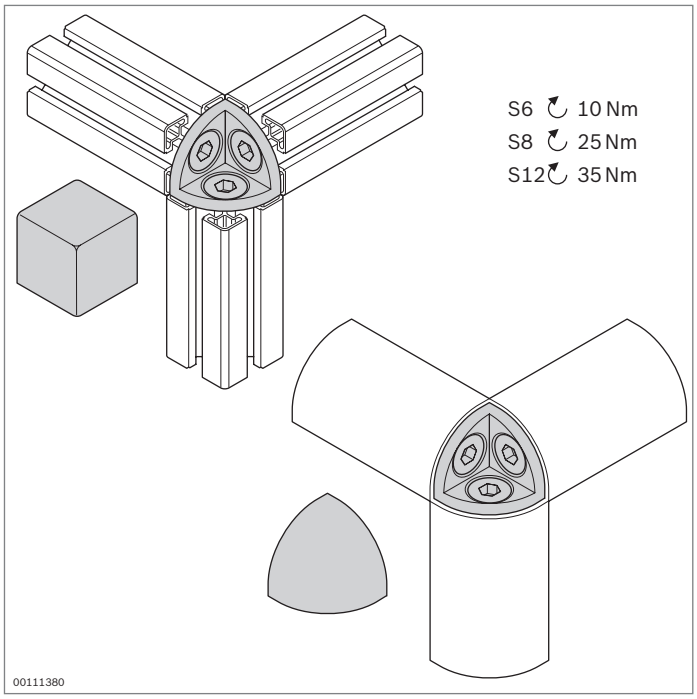


Cubic connector 50/3		Slot	ESD		No.	FS
Set (standard), signal gray		10	ESD*	1	**3 842 549 876**	3xFS3
Cubic connector		10	ESD	20	**3 842 529 013**	
Cover cap D30	signal gray (PP)			100	**3 842 548 703**	
	black (PP)		ESD	100	**3 842 548 707**	
Screw S12x30		10	ESD	100	**3 842 530 236**	

Material: Cubic connector: Diecast aluminum
Fastening material: Steel; zinc-plated

Scope of delivery: Set incl. fastening material (FS), cover caps

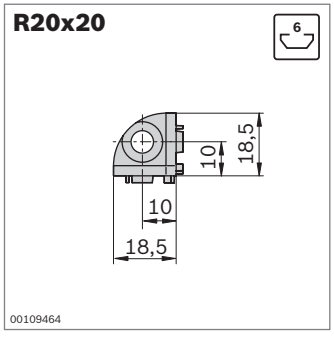
* Cubic connector creates conductive connection, but the cover caps included in the set are not ESD-compatible.



Corner bracket

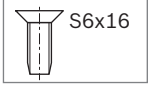
- Corner bracket for corner connection of three square or half-round profiles with equivalent cross-sections
- Screw fitting on profiles with self-tapping screws
- Ball or cubic-shaped cover caps to prevent injuries and avoid dirt
- Profile finishing: Not required

R20x20



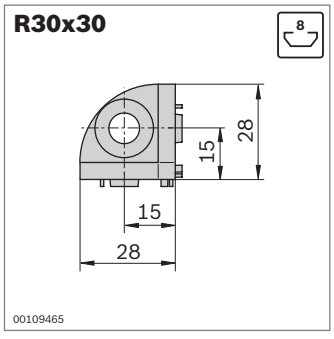
Type	M_{max} 2 / M_{max} 2
20/3	23 Nm

FS1



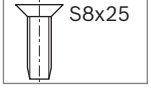
R20x20		Slot	ESD		No.	FS
Corner bracket		6		1	**3 842 519 318**	3xFS1
Cover cap K (ball)	signal gray (PP)			10	**3 842 548 708**	
	black (PP)			10	**3 842 548 712**	
Cover cap W (cube)	signal gray (PP)			10	**3 842 548 716**	
	black (PP)			10	**3 842 548 720**	
Material:	Corner bracket: Diecast zinc Fastening material: Steel; zinc-plated					
Scope of delivery:	Incl. fastening material (FS)					

R30x30



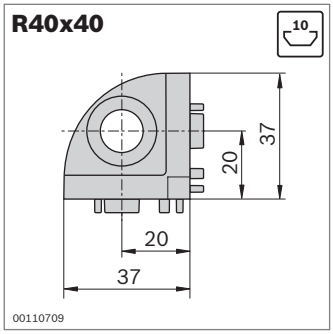
Type	M_{max} 2 / M_{max} 2
30/3	85 Nm

FS2



R30x30		Slot	ESD		No.	FS
Corner bracket		8		1	**3 842 519 319**	3xFS2
Cover cap K (ball)	signal gray (PP)			10	**3 842 548 709**	
	black (PP)			10	**3 842 548 713**	
Cover cap W (cube)	signal gray (PP)			10	**3 842 548 717**	
	black (PP)			10	**3 842 548 721**	
Material:	Corner bracket: Diecast zinc Fastening material: Steel; zinc-plated					
Scope of delivery:	Incl. fastening material (FS)					

R40x40



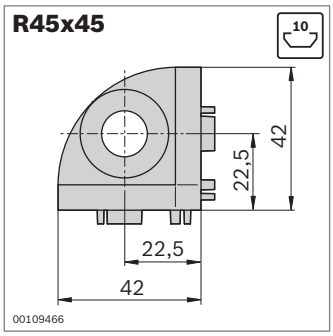
Type	$\frac{M_{max}}{2}$ $\frac{M_{max}}{2}$
40/3	70 Nm

FS3



R40x40		Slot	ESD		No.	FS
Corner bracket		10		1	**3 842 529 404**	3xFS3
Cover cap K (ball)	signal gray (PP)			10	**3 842 548 710**	
	black (PP)			10	**3 842 548 714**	
Cover cap W (cube)	signal gray (PP)			10	**3 842 548 718**	
	black (PP)			10	**3 842 548 722**	
Material:	Corner bracket: Diecast zinc Fastening material: Steel; zinc-plated					
Scope of delivery:	Incl. fastening material (FS)					

R45x45

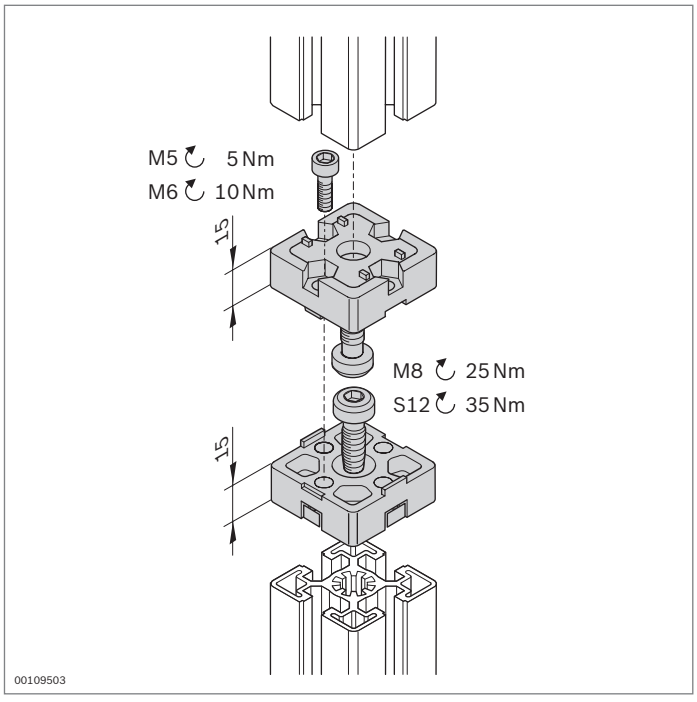


Type		$\frac{M_{max}}{2}$ $\frac{M_{max}}{2}$
45/3	45x45L	170 Nm
	45x45	240 Nm

FS4



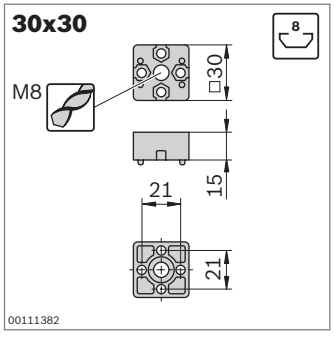
R45x45		Slot	ESD		No.	FS
Corner bracket		10		1	**3 842 519 321**	3xFS4
Cover cap K (ball)	signal gray (PP)			10	**3 842 548 711**	
	black (PP)			10	**3 842 548 715**	
Cover cap W (cube)	signal gray (PP)			10	**3 842 548 719**	
	black (PP)			10	**3 842 548 723**	
Material:	Corner bracket: Diecast zinc Fastening material: Steel; zinc-plated					
Scope of delivery:	Incl. fastening material (FS)					



End connector

ESD 8 10 *designLINE*

- For end-to-end profile connections
- *designLINE* version with special silver paint (RAL 9006) for an attractive, high-quality design
- Profile finishing:
  - 30x30: M8 thread cutting in central hole
  - 40x40, 45x45, 50x50: Not required



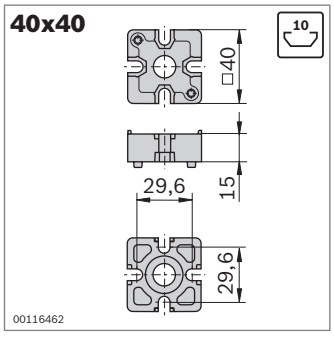
Type	M_{max}
30x30	81 Nm

FS1
DIN7984 M8x30

FS2
DIN 7984 M5x25
DIN 934 M5

End connector		Slot	ESD	No.	FS
30x30	Set (standard)	8	ESD	**3 842 526 003**	2xFS1, 4xFS2
	designLINE set	8	ESD	**3 842 538 656**	2xFS1, 4xFS2

Material: End connector: Diecast aluminum
designLINE end connector: painted (RAL 9006)
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)



Type	M_{max}
40x40	170 Nm

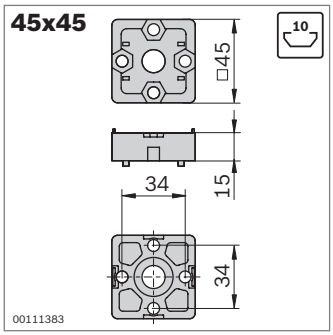
FS3
S12x30

FS4
DIN 7984 M6x25
ISO 4032 M6

End connector		Slot	ESD	No.	FS
40x40	Set (standard)	10	ESD	**3 842 532 196**	2xFS3, 4xFS4
	designLINE set	10	ESD	**3 842 538 657**	2xFS3, 4xFS4

Material: End connector: Diecast aluminum
designLINE end connector: painted (RAL 9006)
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

45x45



Type	M_{max}
45x45	200 Nm

FS3



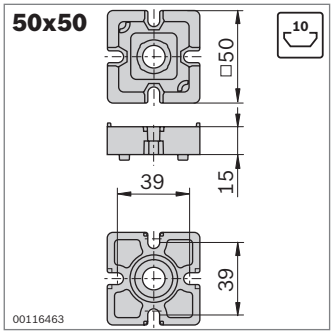
FS4



End connector		Slot	ESD	No.	FS
45x45	Set (standard)	10		**3 842 191 175**	2xFS3, 4xFS4
	designLINE set	10		**3 842 538 658**	2xFS3, 4xFS4

Material: End connector: Diecast zinc
designLINE end connector: painted (RAL 9006)
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

50x50

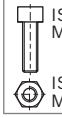


Type	M_{max}
50x50	180 Nm

FS3

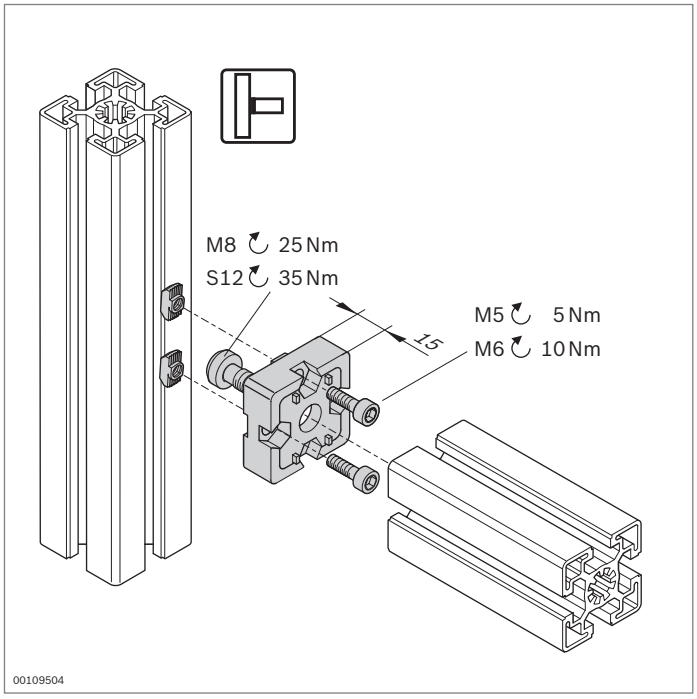


FS4



End connector		Slot	ESD	No.	FS
50x50	Set (standard)	10		**3 842 532 199**	2xFS3, 4xFS4

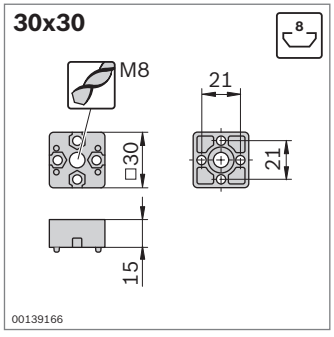
Material: End connector: Diecast zinc
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)



T-connector

designLINE

- For right-angled profile connections
- *designLINE* version with special silver paint (RAL 9006) for an attractive, high-quality design
- Profile finishing:
  - 30x30: M8 thread cutting in central hole
  - 40x40, 45x45, 50x50: Not required



Type	Fmax	Mmax
30x30	4000 N	80 Nm

FS1



DIN7984
M8x30

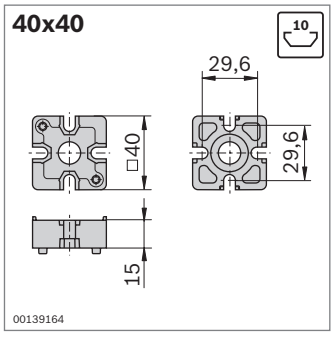
FS2



DIN 7984
M5x16

T-connector		Slot	ESD	No.	FS
30x30	Set (standard)	8		**3 842 524 476**	1xFS1, 2xFS2
	designLINE set	8		**3 842 538 696**	1xFS1, 2xFS2

Material: T-connector: Diecast aluminum
designLINE T-connector: painted (RAL 9006)
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)



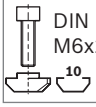
Type	Fmax	Mmax
40x40	9000 N	150 Nm

FS3



S12x30

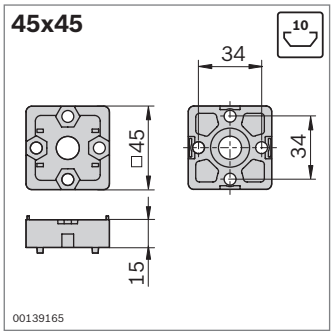
FS4



DIN 7984
M6x20

T-connector		Slot	ESD	No.	FS
40x40	Set (standard)	10		**3 842 532 195**	1xFS3, 2xFS4
	designLINE set	10		**3 842 538 697**	1xFS3, 2xFS4

Material: T-connector: Diecast aluminum
designLINE T-connector: painted (RAL 9006)
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

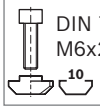


Type	F_{max}	M_{max}
45x45	9000 N	200 Nm

FS3

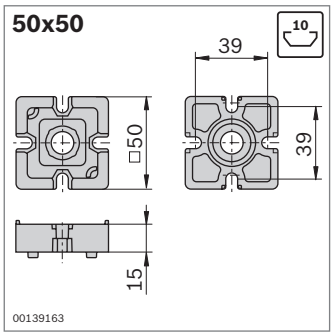


FS4



T-connector		Slot	ESD	No.	FS
45x45	Set (standard)	10		**3 842 520 802**	1xFS3, 2xFS4
	designLINE set	10		**3 842 538 698**	1xFS3, 2xFS4

Material: T-connector: Diecast zinc
designLINE T-connector: painted (RAL 9006)
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

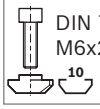


Type	F_{max}	M_{max}
50x50	10000 N	170 Nm

FS3

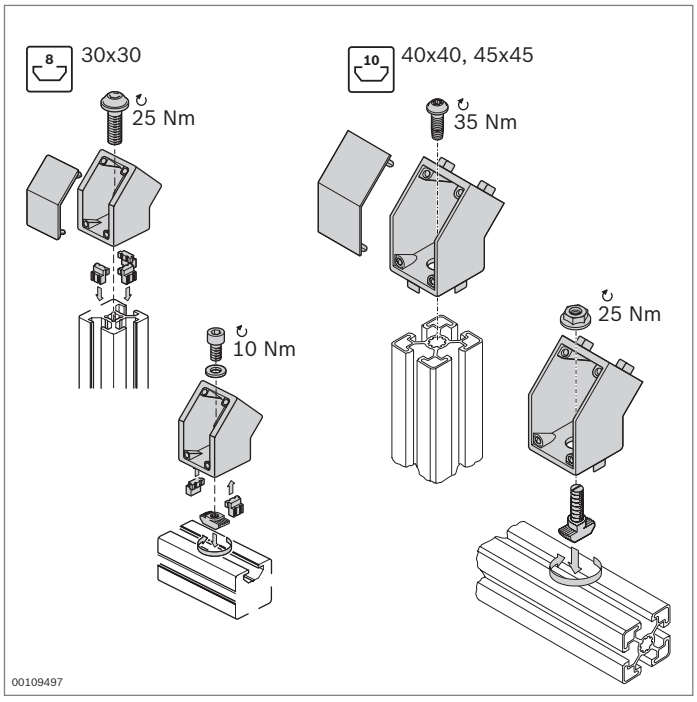


FS4



T-connector		Slot	ESD	No.	FS
50x50	Set (standard)	10		**3 842 532 198**	1xFS3, 2xFS4

Material: T-connector: Diecast zinc
Fastening material: Steel; zinc-plated
Scope of delivery: Set incl. fastening material (FS)

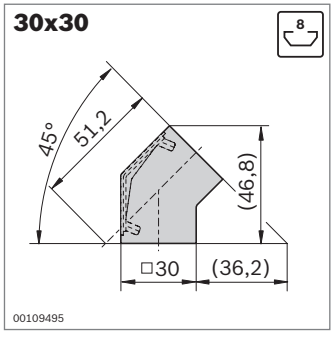


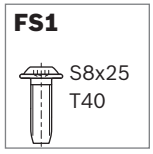
Connector 45°

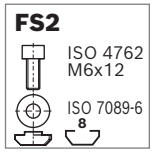
designLINE

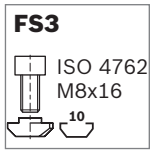
- For connecting profiles at an angle of less than 45°
- Suitable for reinforcing frames
- Suitable for connections at the end-face or in the profile slot
- 45° connectors 40x40 and 45x45 with centering lugs for easy positioning (centering lugs can simply be broken off for installation in the profile slot)
- *designLINE* version with special silver paint (RAL 9006) for an attractive, high-quality design
- Profile finishing: Not required

* 45° connector creates conductive connection, but the cover caps included in the set are not ESD-compatible.





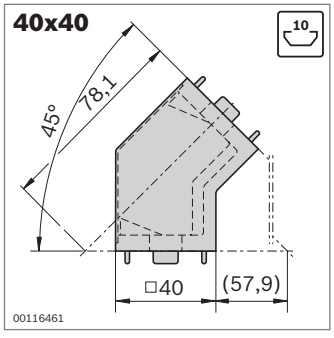


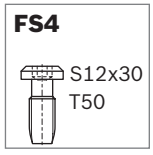


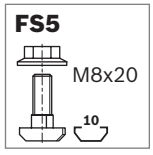
Connector 45°		Color	Slot	ESD	No.	FS
30x30	Set (standard)	Signal gray	8	*	**3 842 554 446**	2xFS1, FS2, FS3
		Black	8		**3 842 554 447**	
	designLINE set	Signal gray	8	*	**3 842 554 452**	2xFS1, FS2, FS3
		Black	8		**3 842 554 453**	

Material: 45° connector: Diecast zinc; *designLINE* 45° connector: painted (RAL 9006); centering piece, cover cap: PP; fastening material: Steel; zinc-plated

Scope of delivery: Set incl. fastening material (FS), 6 x centering piece, cover cap



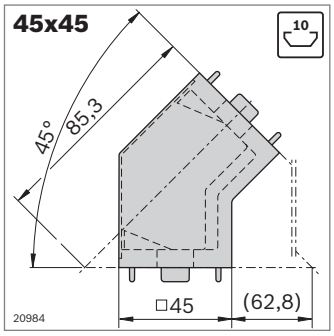


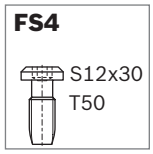


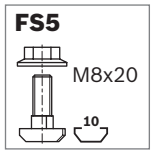
Connector 45°		Color	Slot	ESD	No.	FS
40x40	Set (standard)	Signal gray	10	*	**3 842 554 448**	2xFS4, FS5
		Black	10		**3 842 554 449**	
	designLINE set	Signal gray	10	*	**3 842 554 454**	2xFS4, FS5
		Black	10		**3 842 554 455**	

Material: 45° connector: Cast aluminum; *designLINE* 45° connector: painted (RAL 9006); centering piece, cover cap: PP; fastening material: Steel; zinc-plated

Scope of delivery: Set incl. fastening material (FS), cover cap



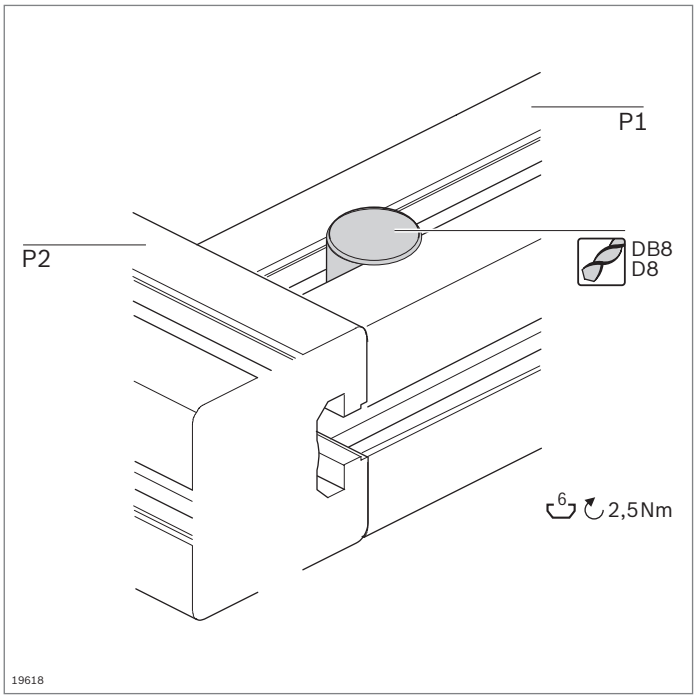




Connector 45°		Color	Slot	ESD	No.	FS
45x45	Set (standard)	Signal gray	10	*	**3 842 554 450**	2xFS4, FS5
		Black	10		**3 842 554 451**	
	designLINE set	Signal gray	10	*	**3 842 554 456**	2xFS4, FS5
		Black	10		**3 842 554 457**	

Material: 45° connector: Cast aluminum; *designLINE* 45° connector: painted (RAL 9006); centering piece, cover cap: PP; fastening material: Steel; zinc-plated

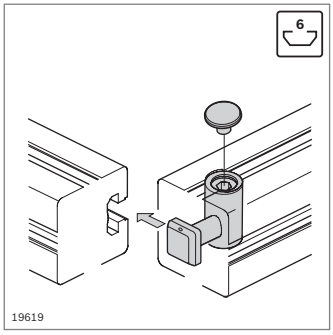
Scope of delivery: Set incl. fastening material (FS), cover cap

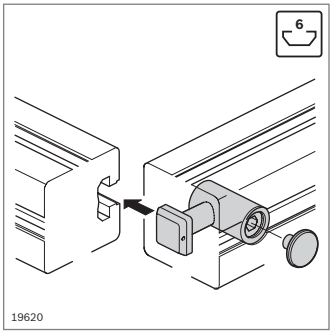


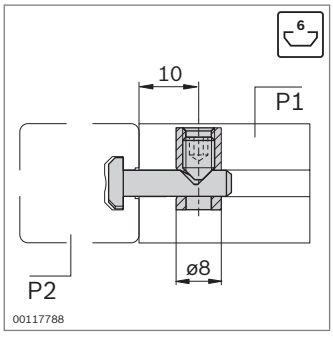
Quick connector, 6 mm slot, 0°, 90° cover cap

- For the right-angled connecting of two profiles
- Excellent accessibility for tools during mounting
- Quick connector for 6 mm slot with square head; can be used as a 0° or 90° connector
- Profile finishing:
  Blind hole DB8 or through-hole D8

Accessories, optional:
Drilling jig (p. 14-2)

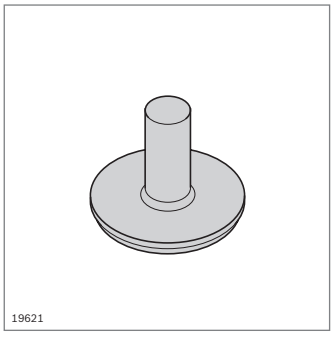






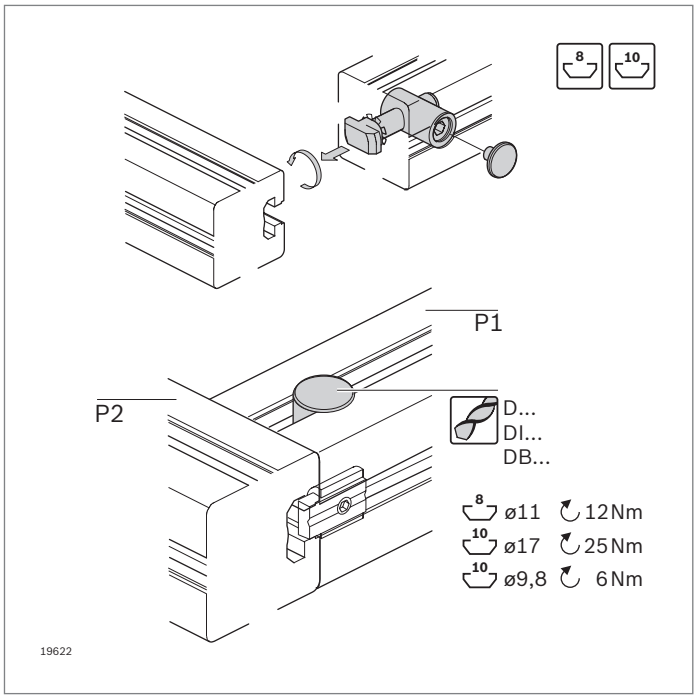
Slot	F_{max}	M_{max}
6 / 6	450 N	18 Nm

Quick connector 0° / 90°	P1 / P2	D (mm)	ESD		No.
	6 / 6	8		10	**3 842 537 013**
Material:	Steel; stainless				



- Cover cap for connector sleeves

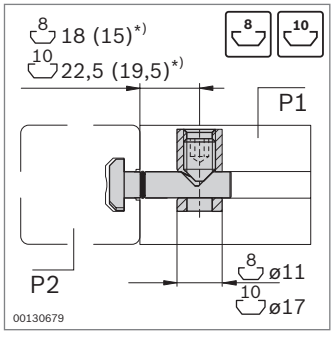
Cover cap	D (mm)		No.
	8	100	**3 842 551 038**
Material:	PE; signal gray RAL 7004		



Quick connector, 8/10 mm slot, 0°

- For the right-angled connecting of two profiles
- Excellent accessibility for tools during mounting
- O-ring for fixing allows overhead assembly
- Quick connectors can be pivoted into the profile slot at the mounting location
- Profile finishing:
  Blind hole DI, DB11, DB17 or
  through-hole DI, D11, D17
- Note differing drilling intervals and load capacities when using with radial compensation
  (“Technical data” p. 18-16)

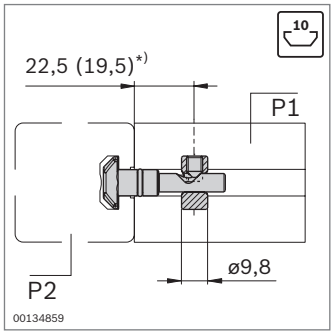
Accessories, optional:
- Anti-torsion element (p. 3-44)
- Radial compensation (p. 2-94)
- Drilling jig (p. 14-2)
- Cover cap (p. 3-56)



Slot	F_{max}	M_{max}
8 / 8	500 N	40 Nm
8 / 10	2000 N	70 Nm
10 / 10	4000 N	140 Nm

*) With the use of a radial compensation

Quick connector 0°	P1 / P2	D (mm)	ESD		No.
Steel; zinc-plated	8 / 8	11		10	**3 842 535 459**
	8 / 10	11		10	**3 842 535 464**
	10 / 10	17		10	**3 842 535 458**
Steel; stainless	8 / 8	11		10	**3 842 548 934**
	8 / 10	11		10	**3 842 548 935**
	10 / 10	17		10	**3 842 548 936**



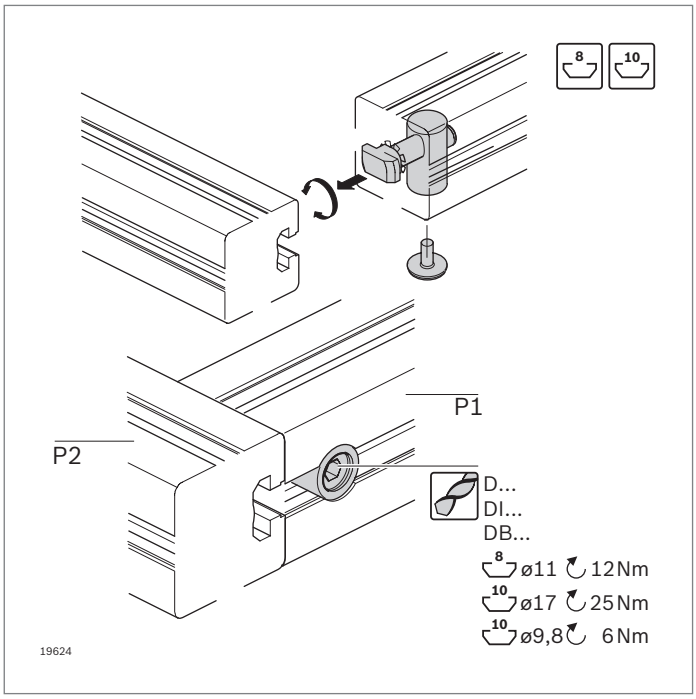
Slot	F_{max}	M_{max}
10 / 10	800 N	50 Nm

*) With the use of a radial compensation

- Quick connector 9.8 with smaller connector sleeve
- The hole for the connector sleeve does not make contact with the slot flanks. This permits a visually attractive connection; the slot can be completely closed with the cover profile

Quick connector 0°, connector sleeve D = 9.8	P1 / P2	D (mm)	ESD		No.
Steel; zinc-plated	10 / 10	9.8[1)]		10	**3 842 541 412**

[1)] No standard hole in modular dimensions 40, 50 and 60
Target distance from profile end: 22.5 mm

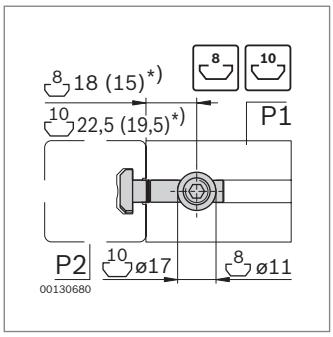


Quick connector, 8/10 mm slot, 90° cover cap



- Tie rod head rotated at a 90° angle to the connector sleeve
- Profile finishing: Blind hole DI, DB11, DB17 or through-hole DI, D11, D17

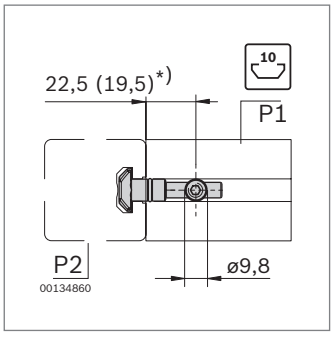
Accessories, optional:
- Anti-torsion element (p. 3-44)
- Radial compensation (p. 2-94)
- Drilling jig (p. 14-2)
- Cover cap



Slot	F_{max}	M_{max}
8 / 8	500 N	40 Nm
10 / 10	4000 N	140 Nm

*) With the use of a radial compensation

Quick connector 90°	P1 / P2	D (mm)	ESD		No.
Steel; zinc-plated	8 / 8	11		10	**3 842 535 465**
	10 / 10	17		10	**3 842 535 466**
Steel; stainless	8 / 8	11		10	**3 842 548 937**
	10 / 10	17		10	**3 842 548 938**

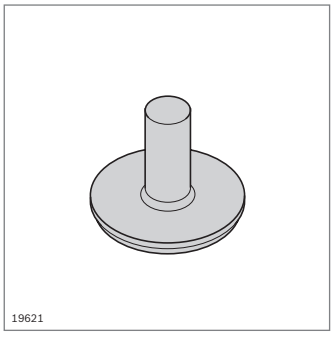


Slot	F_{max}	M_{max}
10 / 10	800 N	50 Nm

*) With the use of a radial compensation

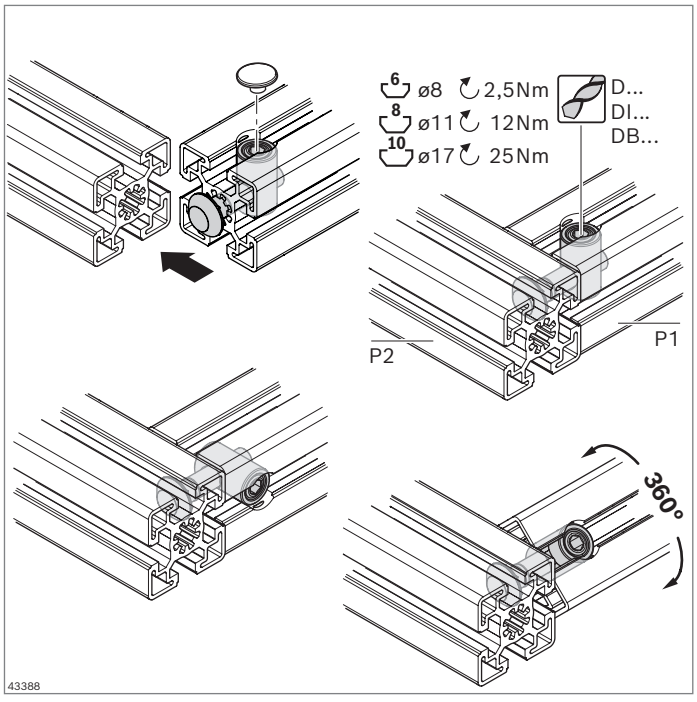
Quick connector 90°, connector sleeve D = 9.8	P1 / P2	D (mm)	ESD		No.
Steel; zinc-plated	10 / 10	9.8[1)]		10	**3 842 541 410**

1) No standard hole in modular dimensions 40, 50 and 60
Target distance from profile end: 22.5 mm



Cover cap	D (mm)		No.
	11	100	**3 842 551 040**
	17	100	**3 842 551 042**

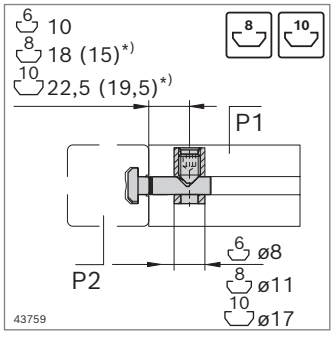
Material: PE; signal gray RAL 7004



Quick connector with round head

- For the right-angled connecting of two profiles
- Excellent accessibility for tools during mounting
- O-ring for fixing allows overhead assembly (25.079ersions)
- Profiles can be rotated as desired
- Profile finishing:
  Blind hole DI, DB8, DB11, DB17 or
  through-hole DI, D8, D11, D17

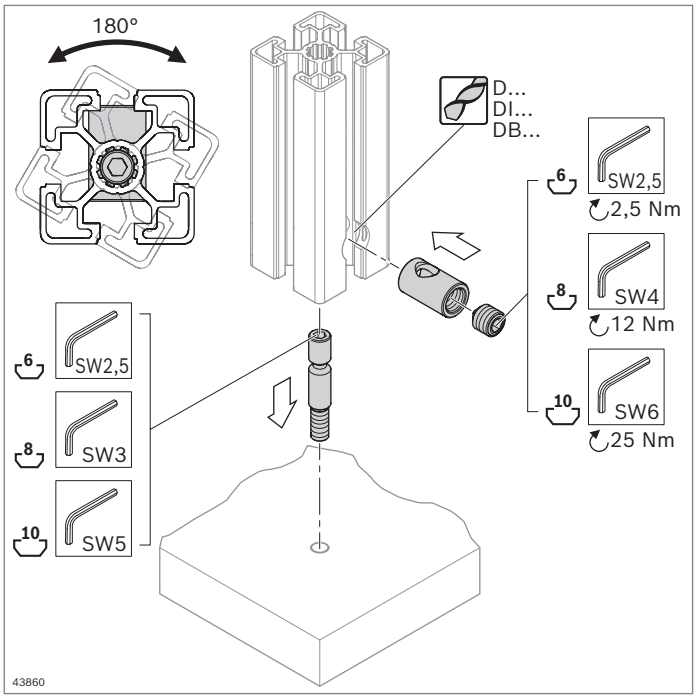
Accessories, optional:
Anti-torsion element (p. 3-44)
Radial compensation (p. 2-94)
Drilling jig (p. 14-2)
Cover cap (p. 3-56 + 3-58)



Slot	F_{max}	M_{max}
6 / 6	250 N	6 Nm
8 / 8	500 N	40 Nm
8 / 10	500 N	40 Nm
10 / 10	2500 N	140 Nm

*) With the use of a radial compensation

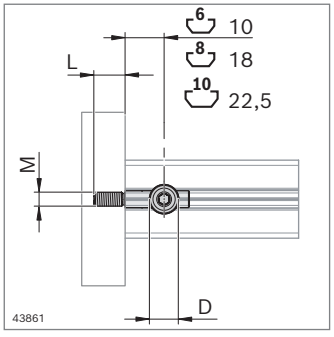
Quick connector with round head	P1 / P2	D (mm)	ESD		No.
Steel; stainless	6 / 6	8	ESD	10	**3 842 564 112**
Steel; zinc-plated	8 / 8	11	ESD	10	**3 842 564 113**
	8 / 10	11	ESD	10	**3 842 564 142**
	10 / 10	17	ESD	10	**3 842 564 114**



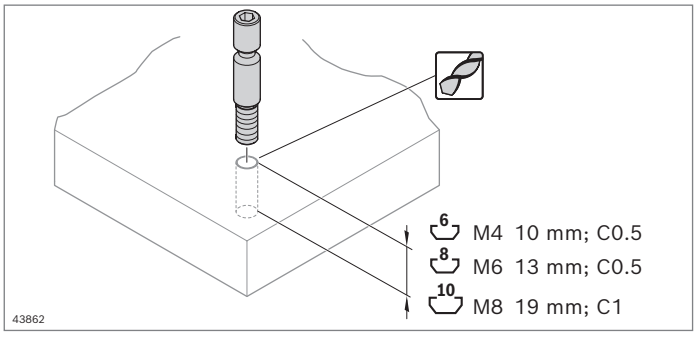
Quick connector with threaded tension rods

- For attaching profiles to plates
- Easy tensioning thanks to circumferential notch on the tie rod
- Profile finishing:
  Blind hole DB8, DB11, DB17 or
  through-hole D8, D11, D17

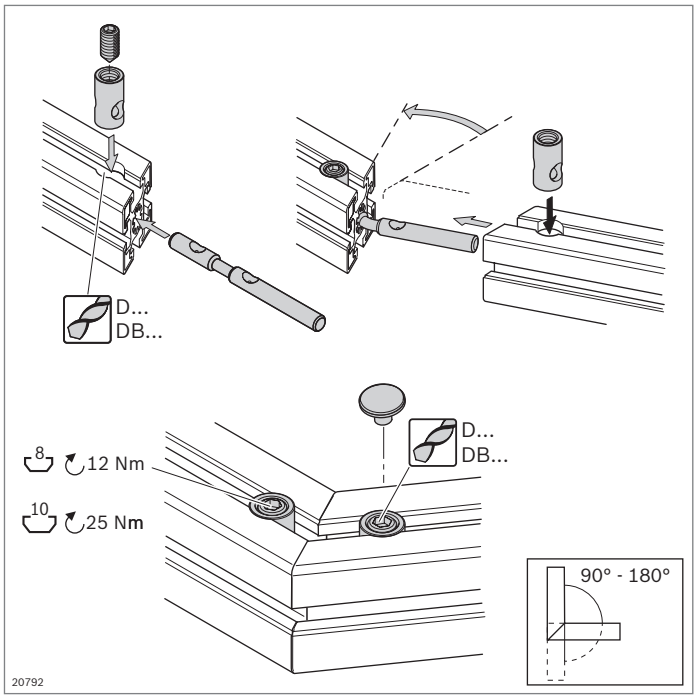
Accessories, optional:
- Anti-torsion element (p. 3-44)
- Drilling jig (p. 14-2)
- Cover cap (p. 3-56 + 3-58)



Slot	M_{max}
6	18 Nm
8	40 Nm
10	140 Nm



Quick connector with threaded tension rods	Slot	M	L (mm)	D (mm)	ESD		No.
Steel; stainless	6	M4	9	8	ESD	10	**3 842 557 258**
Steel; zinc-plated	8	M6	12	11	ESD	10	**3 842 557 257**
	10	M8	18	17	ESD	10	**3 842 557 256**

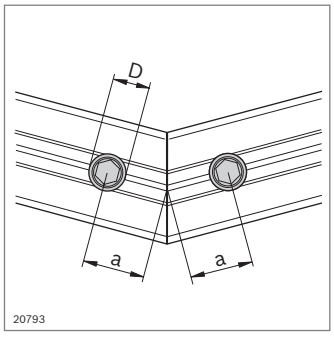


Quick connector, bendable – end-to-end

- For end-to-end connecting of two profiles with equal cross-sections and at any angle, e.g. for frames
- Profile finishing:
  Blind hole DB11, DB17 or through-hole D11, D17
  Miter cut

Technical data (p. 18-16)

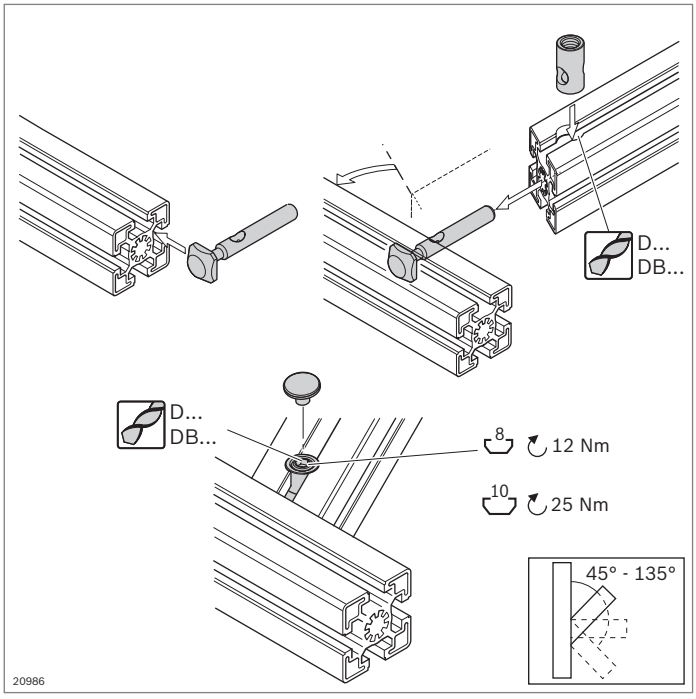
Accessories:
- Drilling jig (p. 14-2)
- Cover cap (p. 3-56)

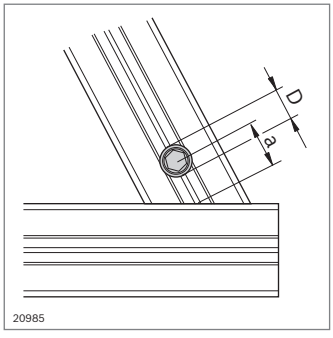


Profile	M_{max}
30x30	24 Nm
40x40L	100 Nm
45x45L	110 Nm
45x45	145 Nm
50x50L	160 Nm

Quick connector, bendable	P1 / P2	a (mm)	D (mm)	ESD		No.
End-to-end	8 / 8	18	11	ESD	10	**3 842 535 630**
	10 / 10	22.5	17	ESD	10	**3 842 535 634**

Material: Tie rod: Steel; stainless
Socket: Steel; zinc-plated





Profile	Fmax	Mmax	Fmax	Mmax
30x30	1100 N	35 Nm	650 N	40 Nm
40x40L	1500 N	110 Nm	1000 N	80 Nm
45x45L	1500 N	120 Nm	1000 N	95 Nm
45x45	1500 N	140 Nm	1100 N	180 Nm
50x50L	1500 N	150 Nm	1100 N	180 Nm

Quick connector, bendable – end-to-slot

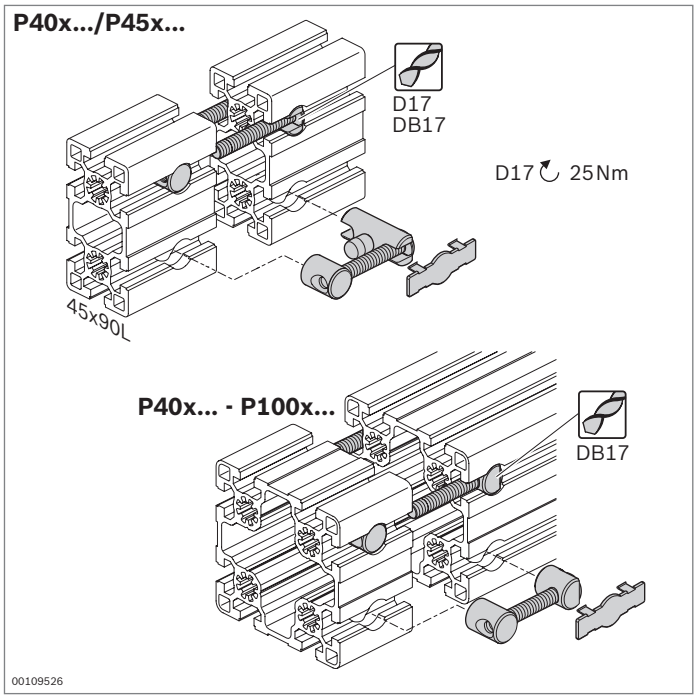
- For end-to-slot connecting of two profiles at any angle, e.g. for framework constructions
- Profile finishing:
  Blind hole DB11, DB17 or through-hole D11, D17
  Miter cut

Technical data (p. 18-16)

Accessories:
- Drilling jig (p. 14-2)
- Cover cap (p. 3-56)

Quick connector, bendable	P1 / P2	a (mm)	D (mm)	ESD		No.
End-to-slot	8 / 8	18	11	ESD	10	**3 842 535 629**
	10 / 10	22.5	17	ESD	10	**3 842 535 635**

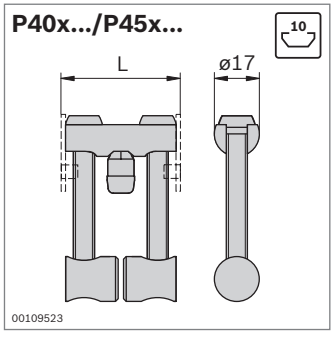
Material: Tie rod: Steel; stainless
Socket: Steel; zinc-plated



Longitudinal end connector

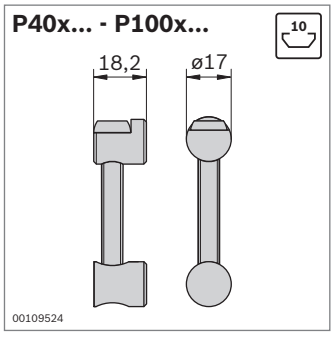
- For the end-to-end connecting of two profiles
- Standard profile finishing:
  Through-hole D17 (longitudinal end connectors on both sides)
  Blind hole DB17 or through-hole D17 (longitudinal end connector on one side)

Accessories, optional:
Cover cap D17 x 44.6; ESD (p. 3-65)



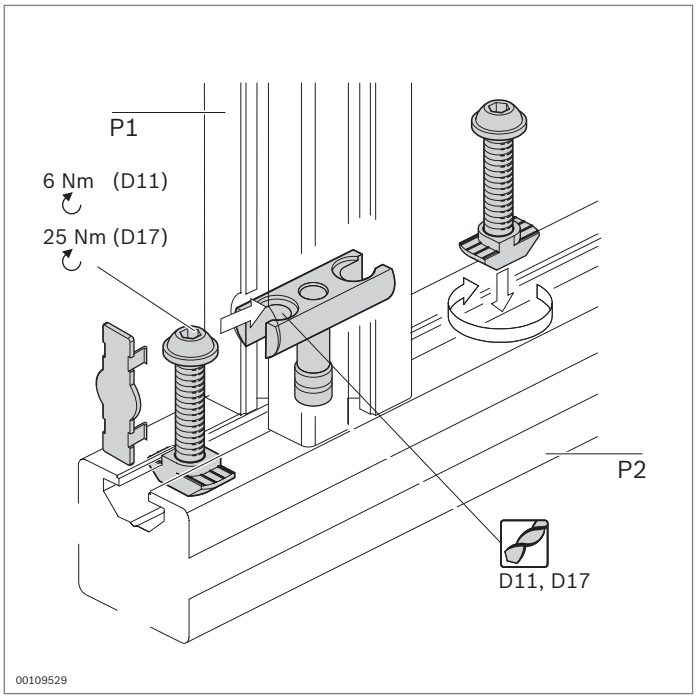
Longitudinal end connector, two-sided	L (mm)	ESD	No.
Profile 40x...	40	*	**3 842 554 442**
Profile 45x...	45	*	**3 842 554 440**

Material: Longitudinal end connector: screw steel; zinc-plated
Centering pin, cover caps: PP; signal gray
Scope of delivery: Incl. 4 x cover cap
* Longitudinal end connector establishes conductive connection.
Cover caps included in the set are not ESD-compatible.



Longitudinal end connector, one-sided	ESD	No.
Profile 40x... – 100x...	*	**3 842 554 444**

Material: Longitudinal end connector: screw steel; zinc-plated
Centering pin, cover caps: PP; signal gray
Scope of delivery: Incl. 2 x cover cap
* Longitudinal end connector establishes conductive connection.
Cover caps included in the set are not ESD-compatible.



Bolt connector

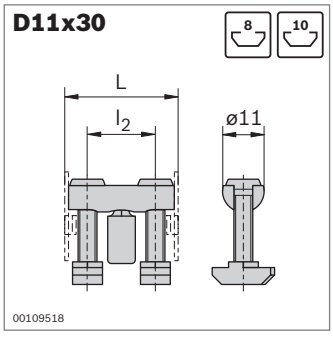


- For the right-angled connecting of two profiles
- Suitable for heavy loads, including torsional loads
- Can be mounted in closed frames
- Profile finishing: Through-hole D11, D17

Technical data (p. 18-17)

Accessories:
Drilling jig (p. 14-2)

Accessories, optional:
Cover cap, ESD (p. 3-65)

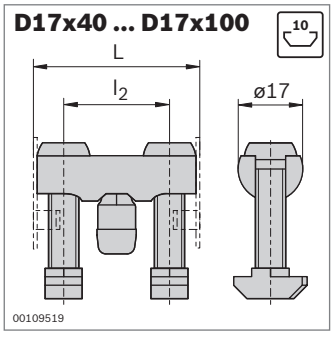


Size	F_{max}	M_{max}	M_{max}
30	2500 N	60 Nm	20 Nm

Bolt connector	P1 / P2	L (mm)	l_2 (mm)	ESD		No.
D11x30	8 / 8	30	18	*	10	**3 842 554 402**
	8 / 10	30	18	*	10	**3 842 555 590**

Material: Bolt connector: Steel; zinc-plated
Centering pin, cover caps: PP; signal gray
* Bolt connector creates conductive connection, but the cover caps included in the set are not ESD-compatible.

Scope of delivery: Incl. 2 x cover cap

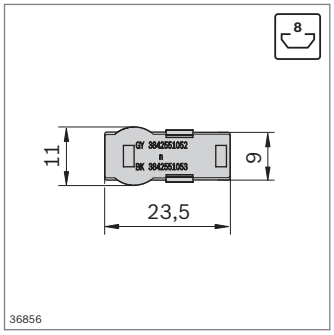


Size	F_{max}	M_{max}	M_{max}
40	4000 N	180 Nm	40 Nm
45	4000 N	180 Nm	60 Nm
50	4000 N	200 Nm	65 Nm
60	4000 N	200 Nm	80 Nm
80	5000 N	800 Nm	170 Nm
90	5000 N	800 Nm	200 Nm
100	5000 N	1000 Nm	480 Nm

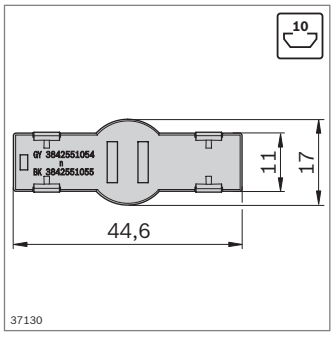
Bolt connector	P1 / P2	L (mm)	l_2 (mm)	ESD		No.
D17x40	10 / 10	40	23	*	10	**3 842 555 594**
D17x45	10 / 10	45	28	*	10	**3 842 555 584**
D17x50	10 / 10	50	33	*	10	**3 842 555 596**
D17x60	10 / 10	60	43	*	10	**3 842 555 586**
D17x80	10 / 10	80	63	*	10	**3 842 555 598**
D17x90	10 / 10	90	73	*	10	**3 842 555 588**
D17x100	10 / 10	100	83	*	10	**3 842 555 592**

Material: Bolt connector: Steel; zinc-plated
Centering pin, cover caps: PP; signal gray
* Bolt connector creates conductive connection, but the cover caps included in the set are not ESD-compatible.

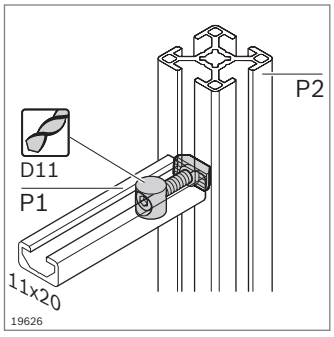
Scope of delivery: Incl. 2 x cover cap

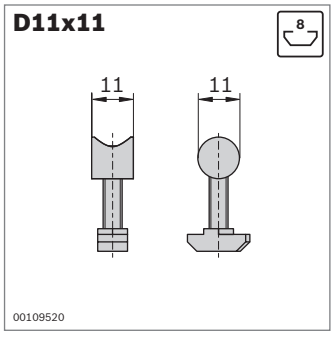


Cover cap	Color	ESD		No.
D11 x 23.5	Signal gray		100	**3 842 551 052**
D11 x 23.5	Black		100	**3 842 551 053**
Material:	PP			

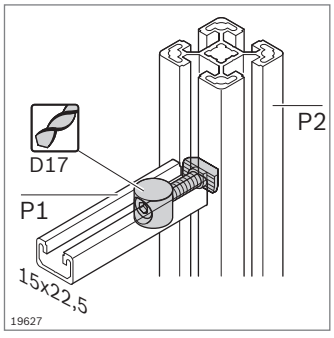


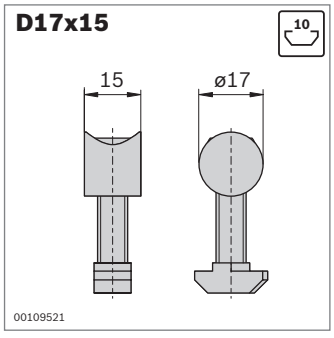
Cover cap	Color	ESD		No.
D17 x 44.6	Signal gray		100	**3 842 551 054**
D17 x 44.6	Black		100	**3 842 551 055**
Material:	PP			



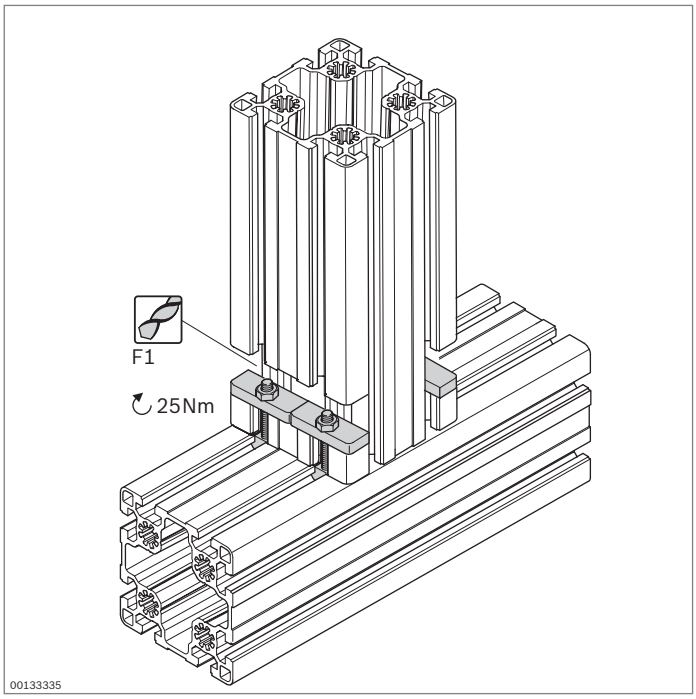


Bolt connector	P1 / P2	ESD		No.
D11x11	8 / 8		10	**3 842 535 617**
Material:	Steel; zinc-plated			





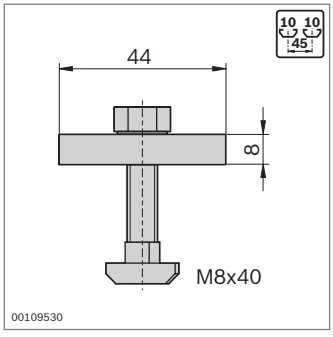
Bolt connector	P1 / P2	ESD		No.
D17x15	10 / 10		10	**3 842 535 619**
Material:	Steel; zinc-plated			



QV mounting kit

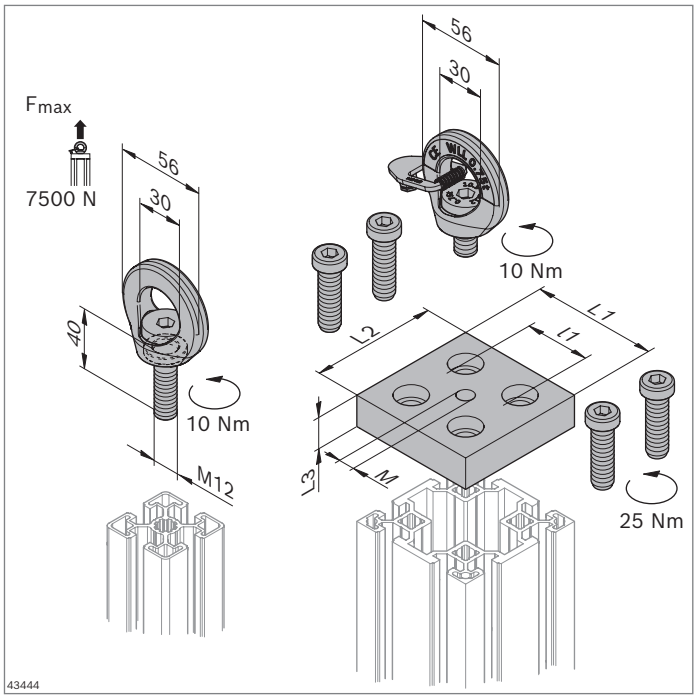


- For the right-angled connecting of two profiles
- Excellent accessibility for tools during mounting
- Profile finishing: Standard milling F1
- Bending moments must be avoided



Slot	F_{max}
10	1000 N

QV mounting kit		No.
	10	**3 842 146 972**
Material:	Steel; zinc-plated	

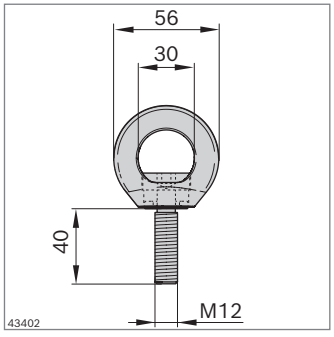


Lifting eye bolt

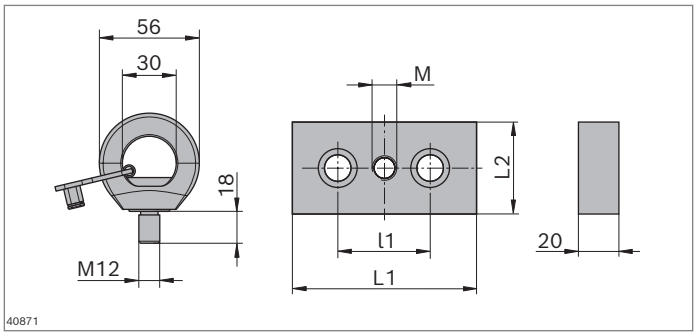


- Lifting eye bolt for lifting aluminum profile frames
- Profile finishing:
  M12 thread cutting in central hole

Technical data (p. 18-22)



Lifting eye bolt M12x40		No.
		3 842 564 729
Material:	Screw: Steel; bronzed Eye: Steel, painted (orange)	

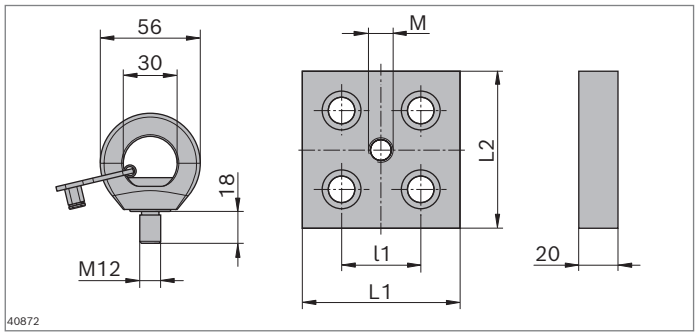


Lifting eye bolt with plate	L1 (mm)	l1 (mm)	L2 (mm)	No.	FS
45x90	90	45	45	**3 842 564 734**	2xFS1
40x80	80	40	40	**3 842 564 736**	2xFS1

Material: Plate: Steel; nickel-plated
Fastening material: Steel; zinc-plated
Screw: Steel; bronzed
Eye: Steel, painted (orange)
Scope of delivery: Incl. Fastening material

FS1





Lifting eye bolt with plate	L1 (mm)	l1 (mm)	L2 (mm)	No.	FS
90x90	90	45	90	**3 842 564 735**	4xFS2
80x80	80	40	80	**3 842 564 737**	4XFS2

Material: Plate: Steel; nickel-plated
Fastening material: Steel; zinc-plated
Screw: Steel; bronzed
Eye: Steel, painted (orange)
Scope of delivery: Incl. Fastening material

FS2

