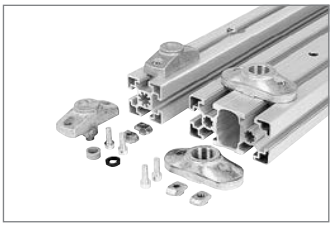
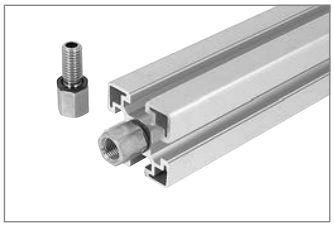
Air-supply elements



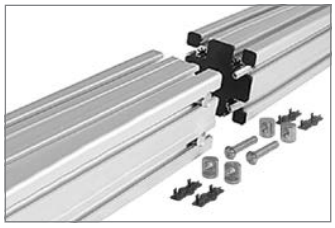
Flanged plate (p. 5-3)



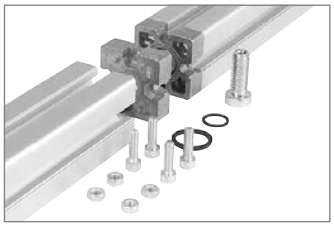
Connection piece (p. 5-4)



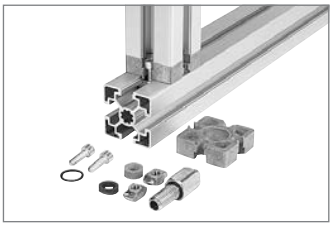
Connection screw fitting M12-1/4″ (p. 5-4)



Longitudinal end connection (p. 5-5)

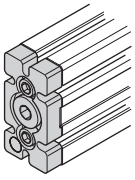


Longitudinal end connector 45 Pneu (p. 5-6)



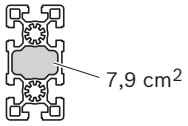
T-connector 45 Pneu (p. 5-6)

45x90
(p. 2-46)



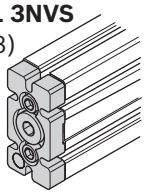
19584

45x90



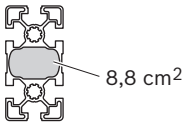
00109732

45x90L
45x90L 2N
45x90L 3NVS
(p. 2-43)



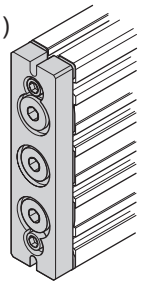
19585

45x90L



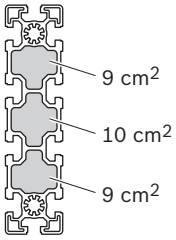
00109731

45x180
(p. 2-46)



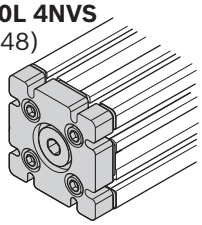
19586

45x180



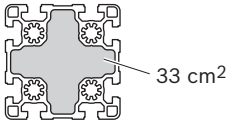
00109733

90x90L
90x90L 4N
90x90L 4NVS
(p. 2-48)



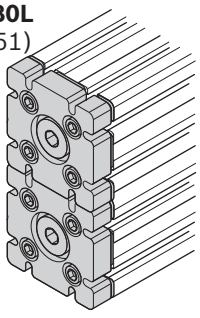
19587

90x90L



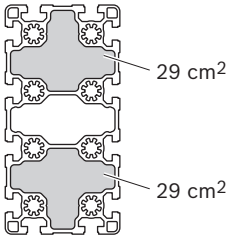
00109730

90x180L
(p. 2-51)



19588

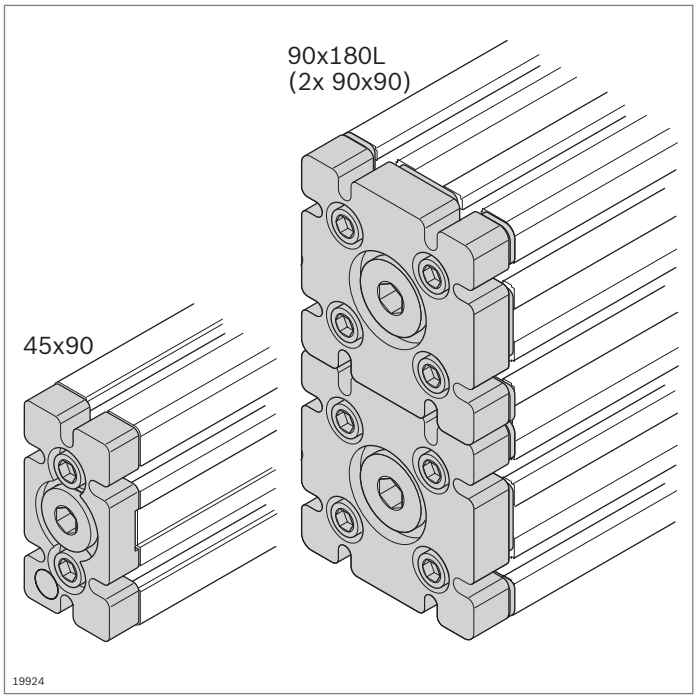
90x180L



00109734

Air-supply elements

- Rexroth **strut profiles** can be used as compressed-air lines and reservoirs. The hollow chambers or central holes are used
- **Flanged plate** for end closing of profiles (p. 5-3)
- Compressed-air intake or discharge at the flanged plate, **connection piece**, or **connection screw fitting** (p. 5-4)
- Air-tight connection of profiles with **longitudinal end connectors or T-connectors** (p. 5-6, 5-5)
- The use of the heavy-duty profiles is preferable in the case of more demanding leak-tightness requirements (e.g. for underwater applications)

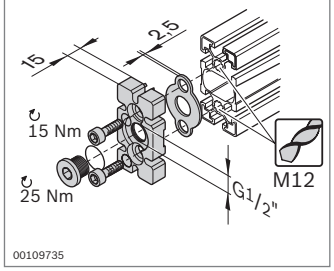


Flanged plate



- For sealing the ends of the hollow chambers.
  This enables the profiles to be used as a compressed-air line (p. 5-2)
- For compressed-air introduction or removal when screw plugs are replaced by pneumatic screw fittings
- Profile finishing: M12 thread cutting in the central holes
- For a maximum pressure (p_{max}) of 8 bar
- Operating temperature range of the seals:
  -10 °C to +70 °C

45x90

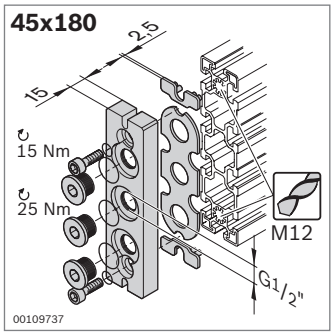


FS1

DIN 7984
M12x30

Flanged plate		No.	FS
45x90		**3 842 523 097**	2xFS1
Material:	Flanged plate: Diecast aluminum Seal: NBR Fastening material: Steel; zinc-plated		
Scope of delivery:	Incl. fastening material (FS), screw plug, seals		

45x180

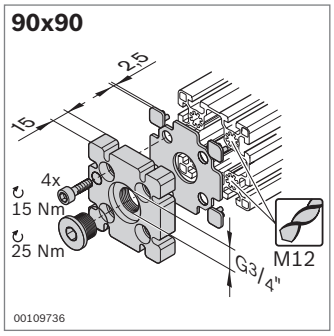


FS2

DIN 7984
M12x20

Flanged plate		No.	FS
45x180	2	**3 842 535 721**	2xFS2
Material:	Flanged plate: Aluminum Seal: NBR Fastening material: Steel; zinc-plated		
Scope of delivery:	Incl. fastening material (FS), 2 x spacer, 3 x screw plug, seals		

90x90

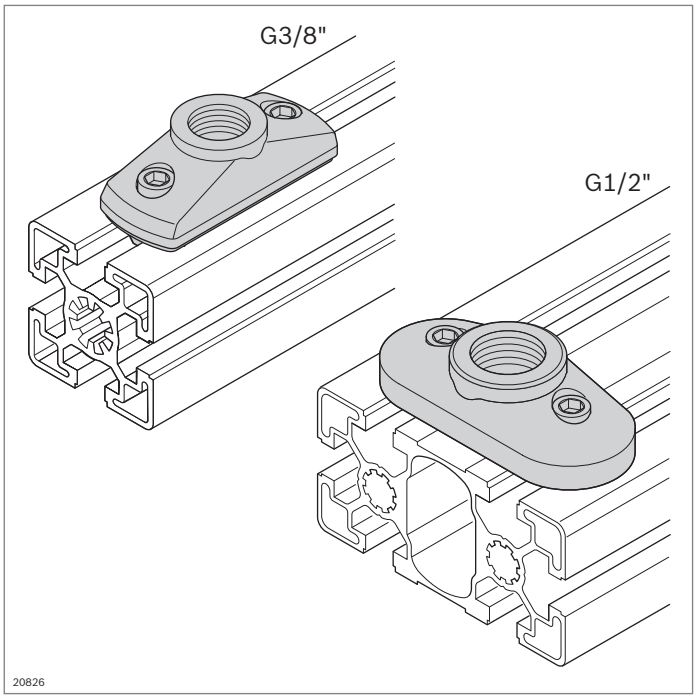


FS1

DIN 7984
M12x30

Flanged plate		No.	FS
90x90		**3 842 523 098**	4xFS1
Material:	Flanged plate: Diecast aluminum Seal: NBR Fastening material: Steel; zinc-plated		
Scope of delivery:	Incl. fastening material (FS), 4 x spacer, screw plug, seals		

Notice: Only suitable for light profiles 90x90L and 90x180L.

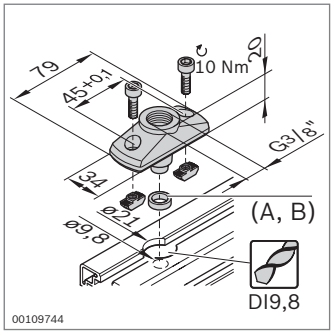


Connection piece
Connection screw fitting M12-1/4"

10

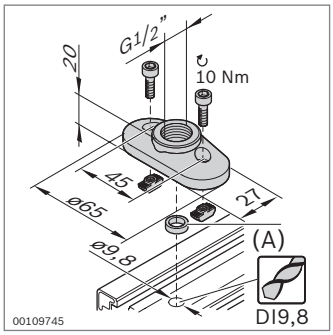
Connection piece

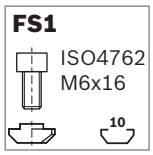
- For compressed-air intake or discharge at any point on the profile
- G3/8″ for connection at central hole
- G1/2″ for connection at hollow chamber
- Suitable for light and standard profiles
  - Profile finishing: Blind hole DI9.8; blind hole ø21 mm (drilling jig **3 842 528 574**, p. 14-3)
- For a maximum pressure (p_{max}) of 8 bar



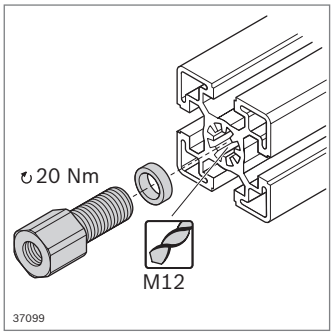


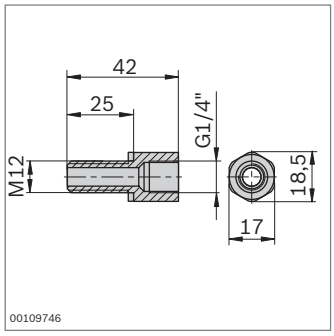
Connection piece		No.	FS
G3/8"		**3 842 523 092**	2xFS1
Material:	Connection piece: Diecast aluminum Seal: NBR		
Scope of delivery:	Incl. fastening material, seals (**A**, **B**)		
Accessories:	Seals **A**, **B** (p. 5-6)		





Connection piece		No.	FS
G1/2"		**3 842 352 085**	2xFS1
Material:	Connection piece: Diecast zinc Seal: NBR		
Scope of delivery:	Incl. fastening material, seal (**A**)		
Accessories:	Seal **A** (p. 5-6)		

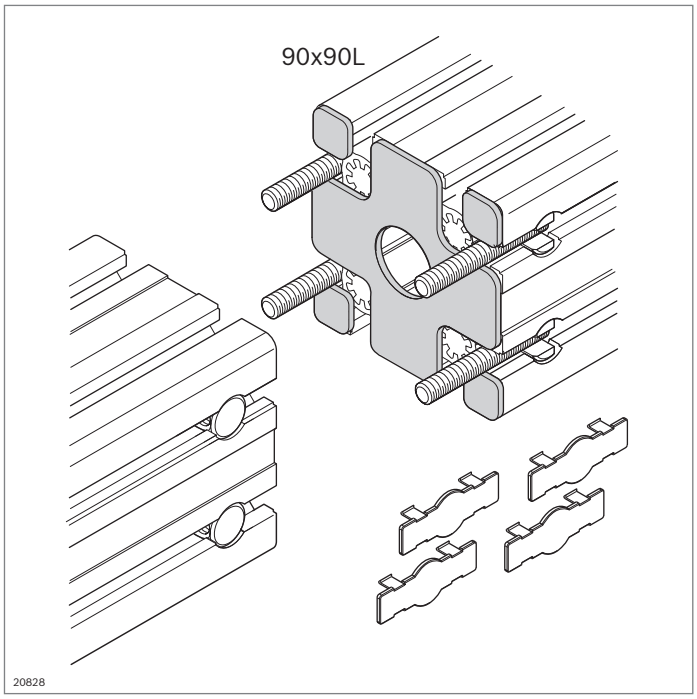




Connection screw fitting M12-1/4"

- For screw fitting in central hole
- Profile finishing: M12
- For a maximum pressure (p_{max}) of 8 bar

Connection screw fitting		No.
M12-1/4"	10	**3 842 535 719**
Material:	Connection screw fitting: Steel; zinc-plated Seal: PVC; hard	
Scope of delivery:	Incl. Seal	



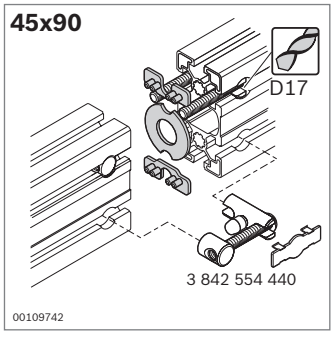
Longitudinal end connection

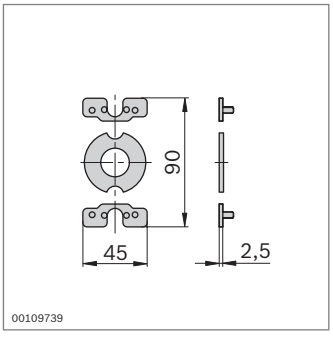
10

- Seal for end-to-end connection of profiles carrying compressed air
- Profile finishing: Through-hole D17 (45x90, 45x180); blind hole LF (90x90L)
- For a maximum pressure (p_{max}) of 8 bar
- Operating temperature range of the seals: -10 °C to +70 °C

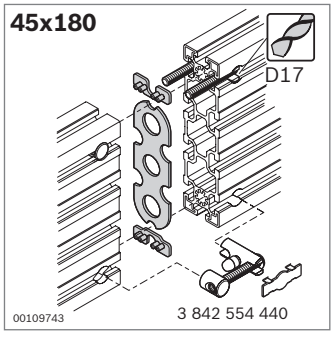
Required accessories:
Longitudinal end connector for profile connection (p. 3-63)

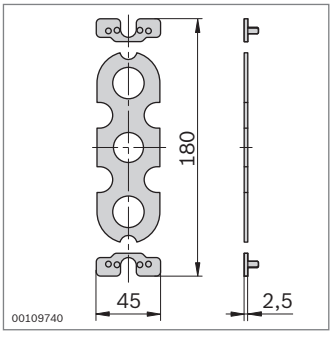
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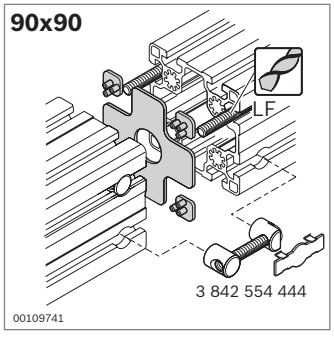


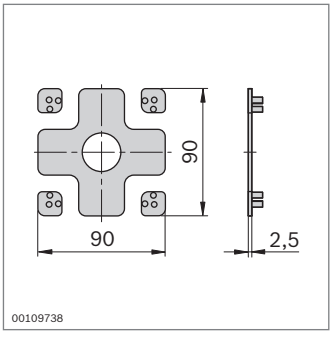
Longitudinal end connection		No.
45x90		**3 842 508 087**
Material:	Seal: NBR Spacer: PA	
Scope of delivery:	Seal, 2 x spacer	





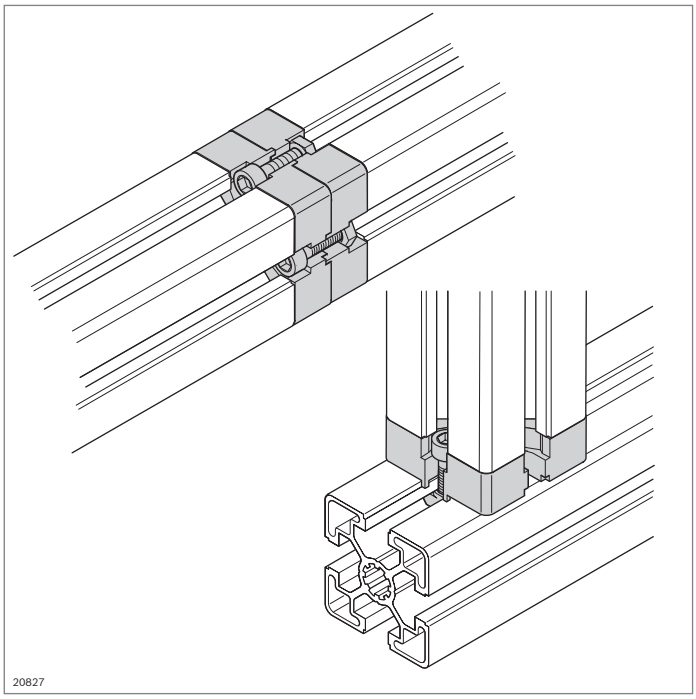
Longitudinal end connection		No.
45x180		**3 842 508 088**
Material:	Seal: NBR Spacer: PA	
Scope of delivery:	Seal, 2 x spacer	





Longitudinal end connection		No.
90x90		**3 842 510 145**
Material:	Seal: NBR Spacer: PA	
Scope of delivery:	Seal, 4 x spacer	

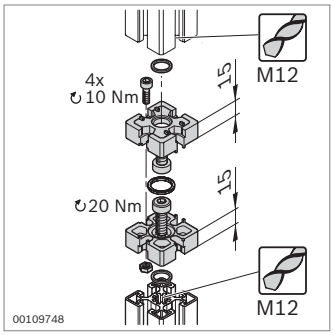
Notice: Only suitable for light profile 90x90L.

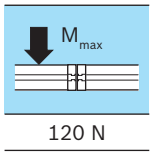


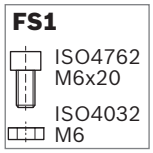
Longitudinal end connector 45 Pneu
T-connector 45 Pneu, seal

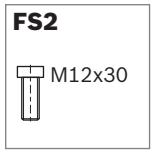


- Longitudinal end connector 45 Pneu for end face mechanical and pneumatic connections of two 45x45 or 45x45L profiles for using the central hole as a compressed-air line
- T-connector 45 Pneu for the mechanical and pneumatic connection of two 45x45 or 45x45L profiles at under a 90° angle for using the central hole as a compressed-air line
- Profile finishing: M12 in central hole; blind hole DI9.8; blind hole ø21 mm (drilling jig **3 842 528 574**, p. 14-3)
- For a maximum pressure (p_{max}) of 8 bar



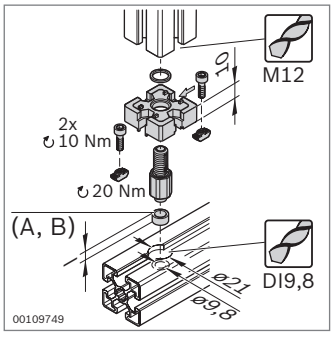


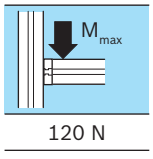


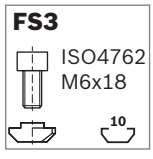


Longitudinal end connector	No.	FS
45 Pneu	**3 842 523 094**	4xFS1, 2xFS2

Material:	Longitudinal end connector: Diecast aluminum Seal: NBR
Scope of delivery:	Incl. fastening material, sealing rings

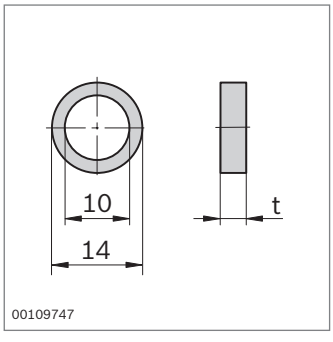






T-connector	No.	FS
45 Pneu	**3 842 523 093**	2xFS3

Material:	T-connector: Diecast aluminum Seal: NBR
Scope of delivery:	Incl. fastening material, seals (**A**, **B**) for standard and light profiles



- Seal for connection piece and T-connector

Seal		t (mm)		No.
A	For standard profiles	4	10	**3 842 503 242**
B	For light profiles	7	10	**3 842 523 102**

Material: NBR