

EcoShape tubular framing system



- ▶ All connectors can be combined with the EcoShape round tubes D28L and D28L, N10, and the D28 round tube
- ▶ Integrated poka-yoke system for easy and secure connector installation
 - Anti-torsion element for secure joints
 - Positive interlocking connection

- ▶ All connectors are suitable for setting up ESD-conductive systems.

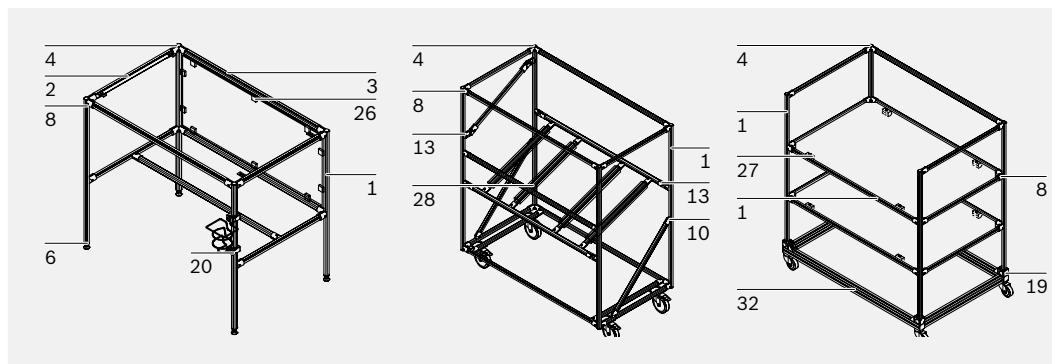
Material: diecast zinc

Scope of delivery: Incl. fastening material

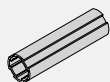


31 components – a myriad of options

The EcoShape system is characterized by its consistent simplicity and efficiency: using just a few components, you can build complete assembly lines as well as simple transport shuttles.

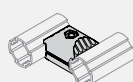


1 D28L round tube



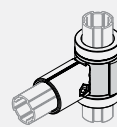
24878

9 Parallel connector



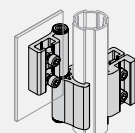
24886

17 Swivel bearing D28L



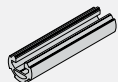
24894

25 Hinge D28L/-



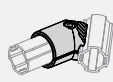
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2 D28L, N10 round tube



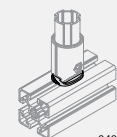
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10 45° connector



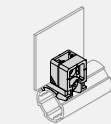
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18 N8, N10 adapter



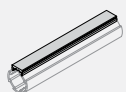
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26 Variofix block PA



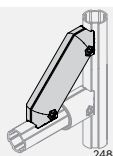
24903

3 Slide rail



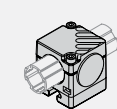
24880

11 Strut D28L, 45°



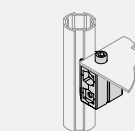
24888

19 N10/45 adapter



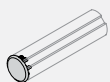
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27 Variofix Block Zn



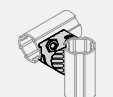
24904

4 Cover cap D28L



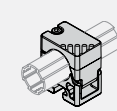
24881

12 Cross connector



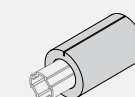
24889

20 N10/30 adapter



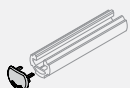
24897

28 Impact protection device



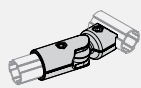
24905

5 Cover cap D28L, N10



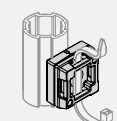
24882

13 0°-90° Connector



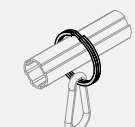
24890

21 Adapter fix D28L



24898

29 Ring D50



24906

6 Threaded sleeve D28L, PA



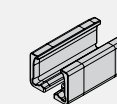
24883

14 0°-90° D28 connector



24891

22 XLean adapter



24899

30 Rubber foot D28



24907

7 Threaded sleeve D28L, Zn



24884

15 Corner piece D28



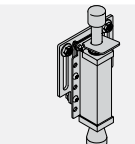
24892

23 Tube clamp D28L, N10



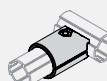
24900

31 Stopper D28L, N10



24908

8 90° connector



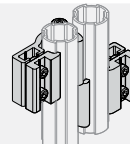
24885

16 Retaining ring D28L



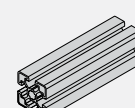
24893

24 Hinge D28L/D28L



24901

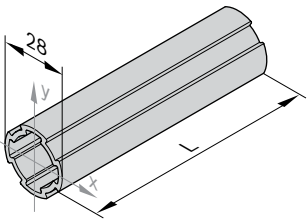
32 Profile 45x45L



24909

1

$A = 1,8\text{ cm}^2$
 $I_x = 1,3\text{ cm}^4$
 $I_y = 1,3\text{ cm}^4$
 $W_x = 1,0\text{ cm}^3$
 $W_y = 1,0\text{ cm}^3$
 $m = 0,5\text{ kg/m}$



00134985

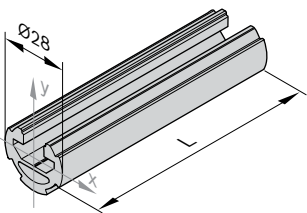
- ▶ Round tube D28L with 4 interfaces for attaching EcoShape connectors

Round tube D28L		L (mm)	No.
1 pcs		50 ... 5600	3 842 996 191/L
 50 pcs		5600	3 842 541 211

Material: aluminum, anodized

2

$A = 2,6\text{ cm}^2$
 $I_x = 1,2\text{ cm}^4$
 $I_y = 2,0\text{ cm}^4$
 $W_x = 0,8\text{ cm}^3$
 $W_y = 1,4\text{ cm}^3$
 $m = 0,7\text{ kg/m}$



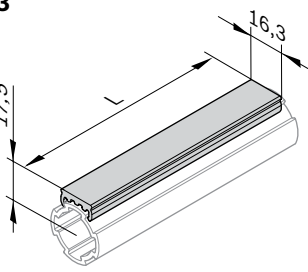
00134986

- ▶ Round tube D28L, N10 with 10 mm slot for mounting accessories from the modular aluminum framing system
- ▶ 3 interfaces for attaching EcoShape connectors

Round tube D28L, N10		L (mm)	No.
1 pcs		50 ... 5600	3 842 996 192/L
 20 pcs		5600	3 842 541 213

Material: aluminum, anodized

3



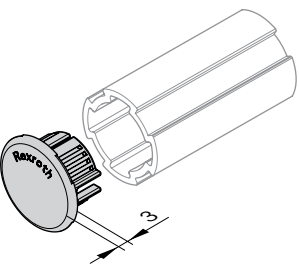
00134987

- ▶ Slide rail for creating a simple conveyor track or manual slide section by clipping the slide rail onto the round tube D28L or D28L, N10

Slide rail	L (mm)	ESD		No.
	2000		10	3 842 541 196
	2000		10	3 842 548 117

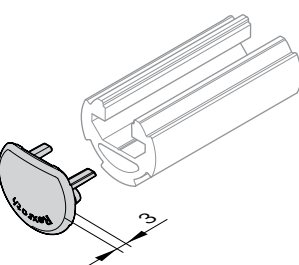
Material: PVC; gray
ESD: PVC (conductive); black

4



24132

5

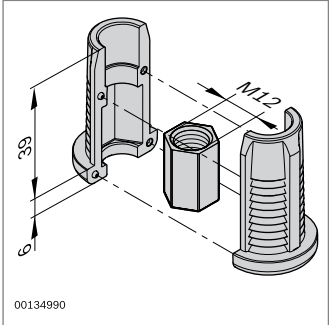
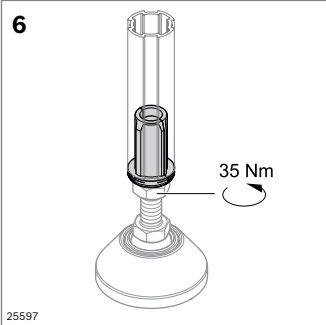


24133

- ▶ Cover cap for D28L and D28L round tube, N10

Cover cap	ESD		No.
4 D28L		20	3 842 548 129
5 D28L, N10		20	3 842 548 130

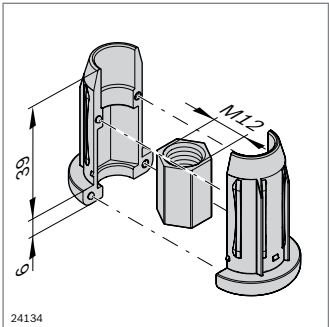
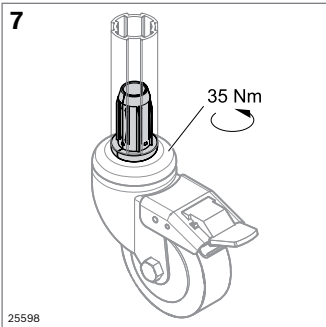
Material: PA66 (conductive); black



► Threaded sleeve for incorporating a leveling foot or
caster. For further information (see p. 6-7)

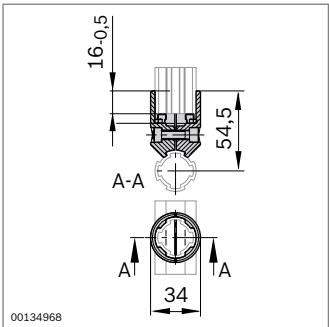
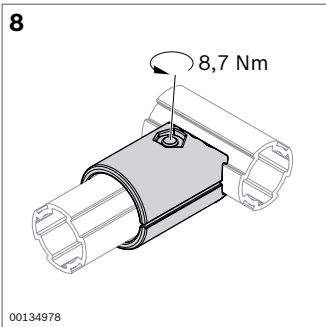
Threaded sleeve D28L; PA	ESD	No.
	20	3 842 541 185

Material: PA66 (conductive); black
Hexagon nut: aluminum



Threaded sleeve D28L, Zn	ESD	No.
	20	3 842 548 119

Material: diecast zinc
Hexagon nut: aluminum

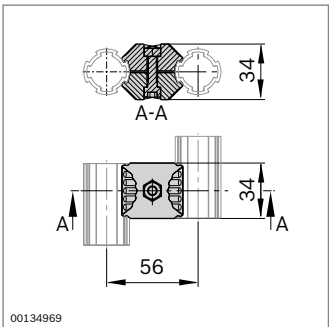
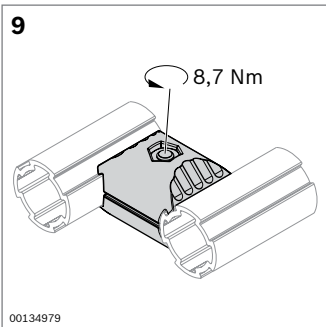


90° connector	ESD	No.	FS
	20	3 842 541 173	FS1

Material: diecast zinc
Scope of delivery: incl. fastening material (FS)

FS1

ISO 4762
M6x25
DIN EN
ISO 10511
M6

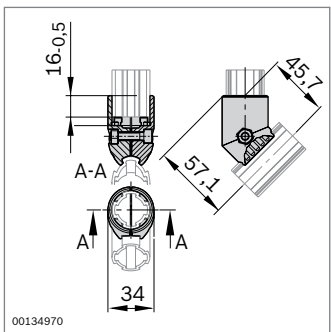
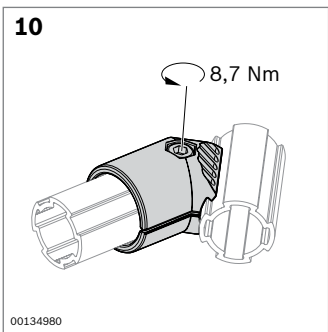


Parallel connector	ESD	No.	FS
	20	3 842 541 183	FS1

Material: diecast zinc
Scope of delivery: incl. fastening material (FS)

FS1

ISO 4762
M6x25
DIN EN
ISO 10511
M6

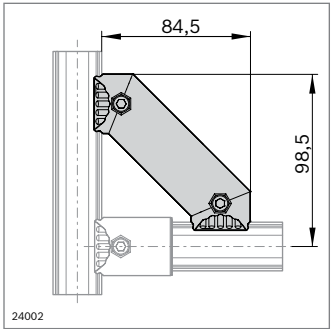
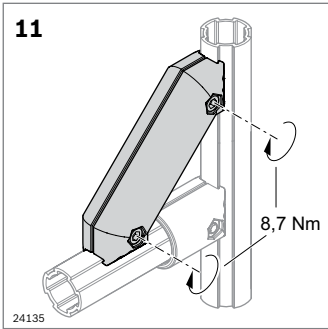


45° connector	ESD	No.	FS
		20	3 842 541 175 FS1

Material: diecast zinc
Scope of delivery: incl. fastening material (FS)

FS1

ISO 4762
M6x25
DIN EN
ISO 10511
M6

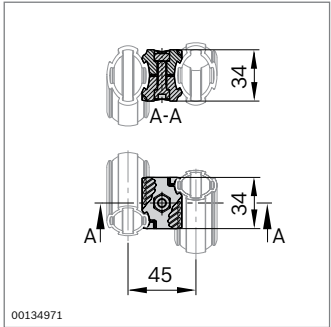
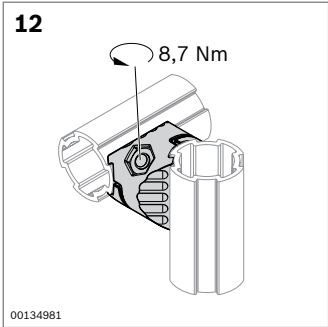


Strut D28L, 45°	ESD	No.	FS
		20	3 842 548 118 2xFS1

Material: diecast zinc
Scope of delivery: incl. fastening material (FS)

FS1

ISO 4762
M6x25
DIN EN
ISO 10511
M6

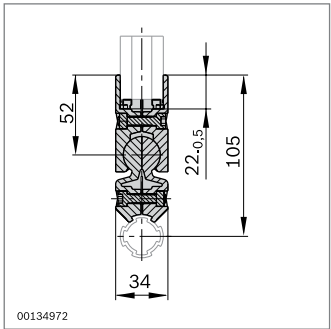
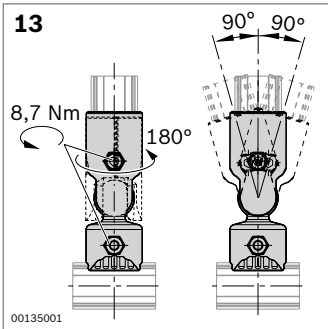


Cross connector	ESD	No.	FS
		20	3 842 541 181 FS1

Material: diecast zinc
Scope of delivery: incl. fastening material (FS)

FS1

ISO 4762
M6x25
DIN EN
ISO 10511
M6



0°-90° connector	ESD	No.	FS
		20	3 842 541 178 2xFS1

Material: diecast zinc
Scope of delivery: incl. fastening material (FS)

FS1

ISO 4762
M6x25
DIN EN
ISO 10511
M6