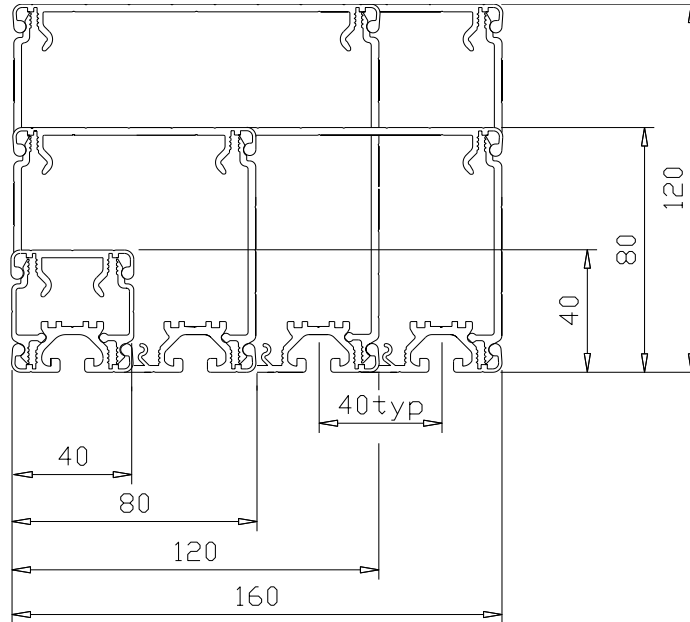


Conduit Elements

The conduit elements for cable and hose installation offer great variety and are quickly and easily assembled. Anodized aluminum profiles provide rigidity with low weight. The elements are in the 40mm modular dimension and are fully compatible with all other standard elements.

The conduit elements are resistant to twisting; which is very important in a cantilevered application. They may be integrated into the construction as a structural support.

Modular Dimensions

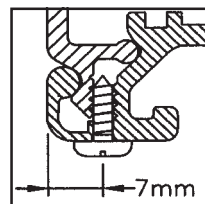
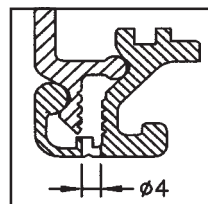
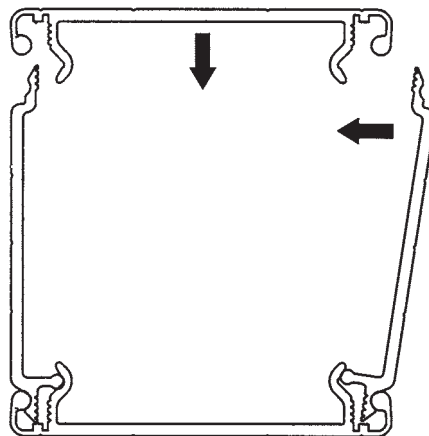


Assembly of Conduit Elements

The conduit is made up of high tensile strength aluminum elements:

- Wall duct profile 40, 80 and 120
- Conduit support profile 40, 80, 120 and 160 (with or without T-slot)

Wall duct profiles of any required length are snapped into a support profile. Another support profile closes the duct with a "snap in" fit. The conduit may be secured with screws where necessary.

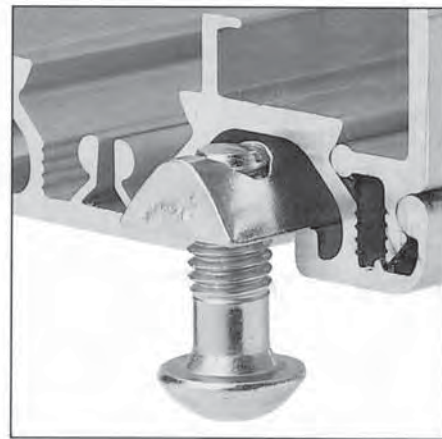


1 Scored groove for locating locking screw (24-695) in Support Profile.

2 Locking screw turned into the pre-extruded threads of the support wall profiles.

Assembly of Conduit Elements

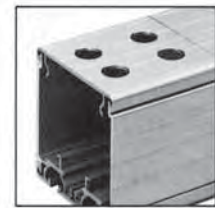
1



1



2



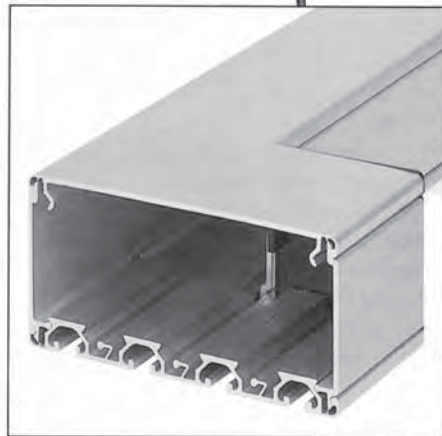
3



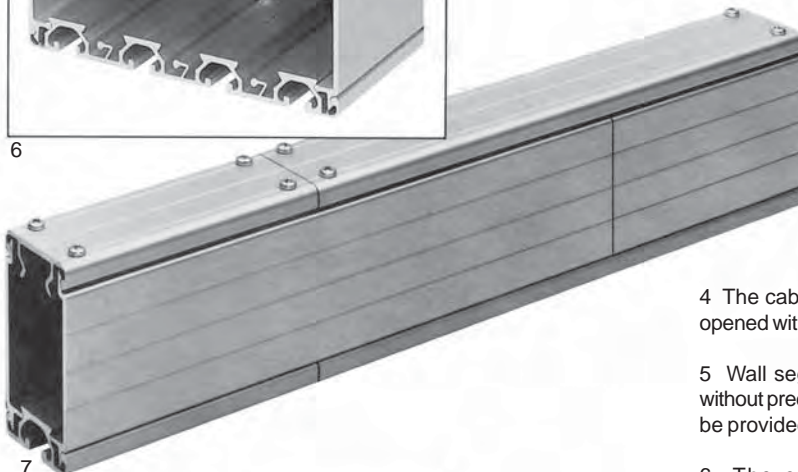
4



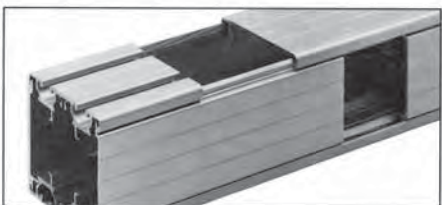
5



6



7



8



9



10

1 May be attached to any IPS profile using standard T-slot fastening methods such as the T-slot nuts

2-3 Scored grooves simplify locating of any necessary holes

4 The cable duct may be opened with a screw driver

5 Wall segments with or without predrilled holes can be provided

6 The conduit cross-section may be reduced or enlarged for customized applications

7 Conduits are lengthened by overlapping (staggering) support and wall profiles

8 Openings may be produced by sliding the profiles

9-10 Switch box made of conduit elements

Application Examples



1



2



3



4

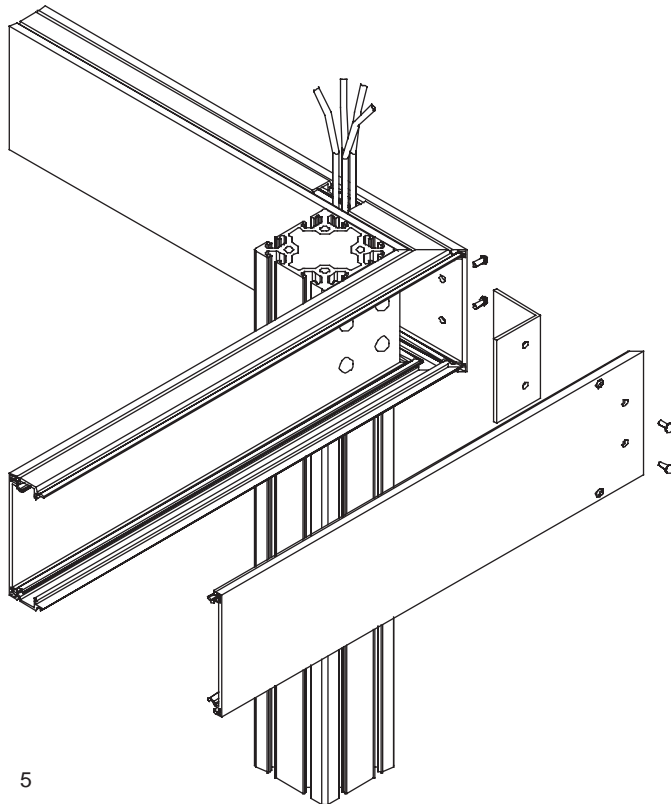
1 Transfer system installation with conduit elements

2 Cable exits in wall segment 160x80

3 Distribution panel constructed of conduit 80x80

4 Pneumatic control system with separate installation of cables and hoses with conduits 80x40

5 Assembly of conduit elements mitered at 45°



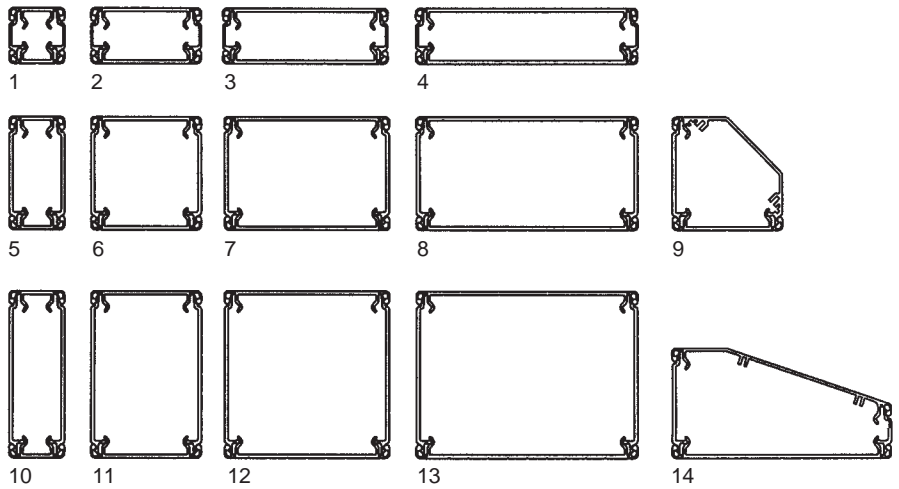
5

1

Cross Sections

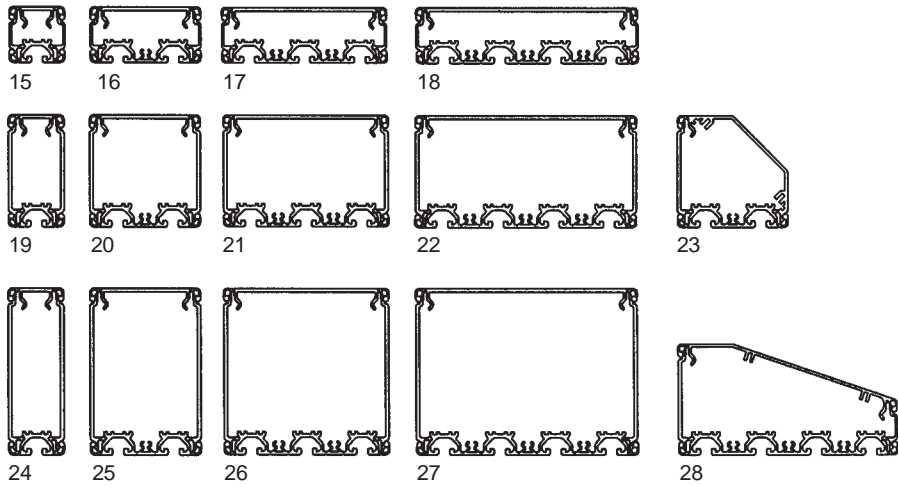
Conduits without T-slots

- 1 40x40
- 2 40x80
- 3 40x120
- 4 40x160
- 5 80x40
- 6 80x80
- 7 80x120
- 8 80x160
- 9 80x80-45°
- 10 120x40
- 11 120x80
- 12 120x120
- 13 120x160
- 14 80x160-20°



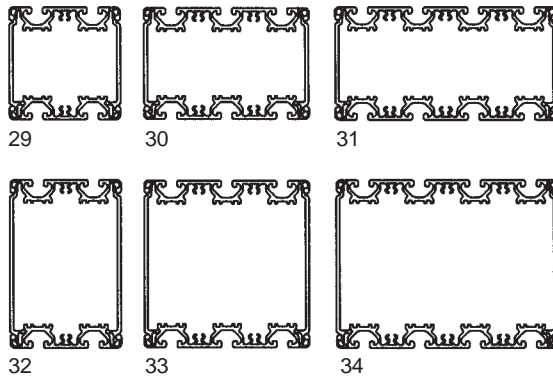
Conduits with T-slots on one side

- 15 40x40
- 16 40x80
- 17 40x120
- 18 40x160
- 19 80x40
- 20 80x80
- 21 80x120
- 22 80x160
- 23 80x80-45°
- 24 120x40
- 25 120x80
- 26 120x120
- 27 120x160
- 28 80x160-20°



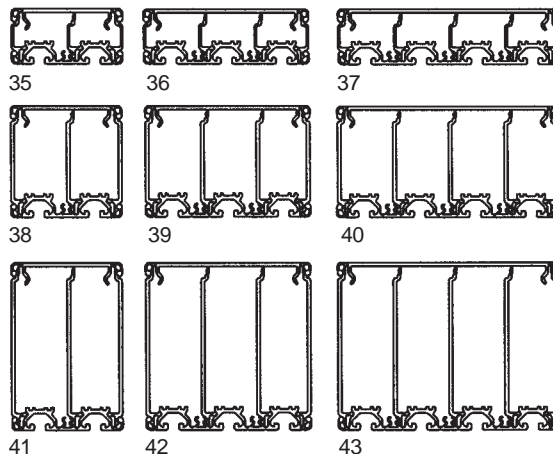
Conduits with T-slots on both sides

- 29 80x80
- 30 80x120
- 31 80x160
- 32 120x80
- 33 120x120
- 34 120x160



Conduits with Partitions

- 35 40x80
- 36 40x120
- 37 40x160
- 38 80x80
- 39 80x120
- 40 80x160
- 41 120x80
- 42 120x120
- 43 120x160



1

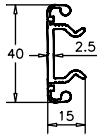
Conduit Support

Application

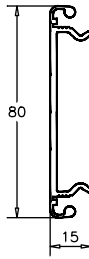
Bottom or cover element for conduit assemblies.

Technical Data

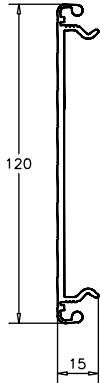
Al, clear anodized
Weight, kg/m
15-040 0.49
15-080 0.76
15-120 0.98
15-160 1.25



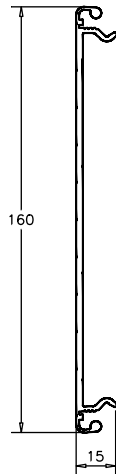
15-040



15-080



15-120



15-160

Description

Support Profile 40

Saw cut necessary for cut to length

Support Profile 80

Saw cut necessary for cut to length

Support Profile 120

Saw cut necessary for cut to length

Support Profile 160

Saw cut necessary for cut to length

Unit

cut off max. 6M
pkg of 10 at 3M ea.
pkg of 10 at 6M ea.

cut off max. 6M
pkg of 10 at 3M ea.
pkg of 10 at 6M ea.

cut off max. 6M
pkg of 10 at 3M ea.
pkg of 10 at 6M ea.

cut off max. 6M
pkg of 10 at 3M ea.
pkg of 10 at 6M ea.

Part

15-040
15-040-3
15-040-6
19-001

15-080
15-080-3
15-080-6
19-001

15-120
15-120-3
15-120-6
19-002

15-160
15-160-3
15-160-6
19-002

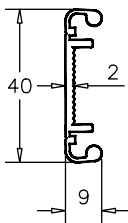
Transparent Cover

Application

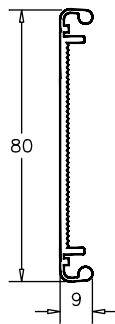
Transparent cover profiles for conduit elements designed for easy viewing of conduit contents. Snaps into place with standard conduit elements.

Technical Data

Plastic, clear
Weight, kg/m
15-046 0.15
15-086 0.24



15-046



15-086

Description

Transparent Cover Profile 40

Transparent Cover Profile 80

Saw cut necessary for cut to length

Unit

cut off max. 3M
pkg of 10 at 3M ea.

cut off max. 3M
pkg of 10 at 3M ea.

Part

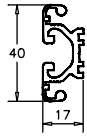
15-046
15-046-3

15-086
15-086-3

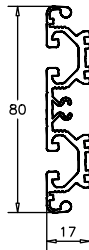
19-001



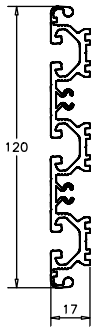
Conduit Support with T-Slot



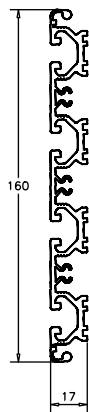
15-041



15-081



15-121



15-161

Application

Bottom or cover element for conduit assemblies. T-Slots accept all 40 series hardware.

Technical Data

Al, clear anodized
Weight, kg/m
15-041 0.60
15-081 1.32
15-121 1.68
15-161 2.29

Description

Support Profile 40 w/ T-slot

Saw cut necessary for cut to length

Support Profile 80 w/ T-slot

Saw cut necessary for cut to length

Support Profile 120 w/T-slot

Saw cut necessary for cut to length

Support Profile 160 w/T-slot

Saw cut necessary for cut to length

Unit

cut off max. 6M
pkg of 10 at 3M ea.
pkg of 10 at 6M ea.

cut off max. 6M
pkg of 10 at 3M ea.
pkg of 10 at 6M ea.

cut off max. 6M
pkg of 10 at 3M ea.
pkg of 10 at 6M ea.

cut off max. 6M
pkg of 10 at 3M ea.
pkg of 10 at 6M ea.

Part

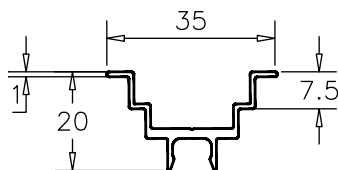
15-041
15-041-3
15-041-6
19-001

15-081
15-081-3
15-081-6
19-001

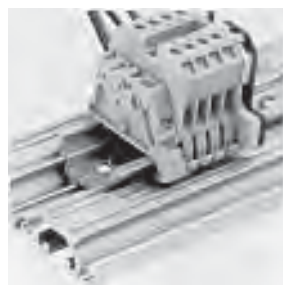
15-121
15-121-3
15-121-6
19-002

15-161
15-161-3
15-161-6
19-002

TS35 DIN Rail



15-083



Locking screw (24-695) optional

Application

Rail for mounting terminal blocks and circuit breakers. Snaps into place on Conduit Support Profile w/ T-slots 80, 120 and 160.

Technical Data

Al, clear anodized
Weight 0.25 kg/m

Description

TS35 DIN Rail Profile

Saw cut necessary for cut to length

Unit

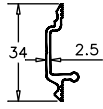
cut off max. 6M
pkg of 10 at 3M ea.
pkg of 10 at 6M ea.

Part

15-083
15-083-3
15-083-6

19-001

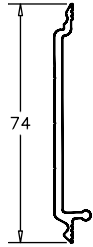
Wall Duct Profile



Application
Used for sides of conduit and as a divider for separating interior channels.

Technical Data
Al, clear anodized
Weight, kg/m
15-042 0.21
15-082 0.55
15-122 0.81

15-042



Description
Wall Duct Profile 40

Unit	Part #
cut off max. 6M	15-042
pkg of 10 at 3M ea.	15-042-3
pkg of 10 at 6M ea.	15-042-6

Wall Duct Profile 80

cut off max. 6M	15-082
pkg of 10 at 3M ea.	15-082-3
pkg of 10 at 6M ea.	15-082-6

Wall Duct Profile 120

cut off max. 6M	15-122
pkg of 10 at 3M ea.	15-122-3
pkg of 10 at 6M ea.	15-122-6

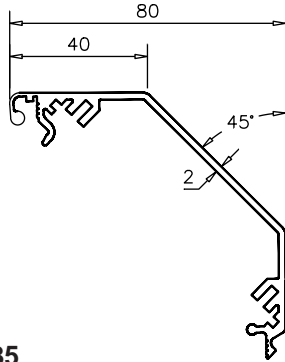
15-082

15-122

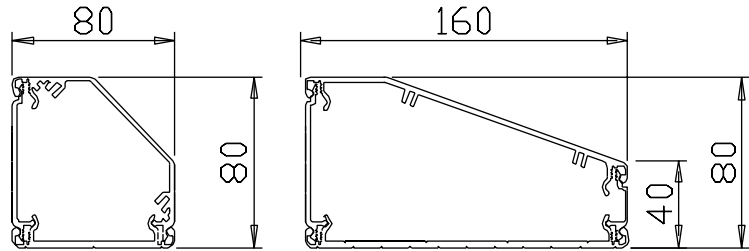
Saw cut necessary for cut to length

19-001

Angled Support



15-085



Application
Cover element for conduit assemblies. Snaps into place with duct wall support profile 80. Attractive and suitable to build consoles and control boxes.

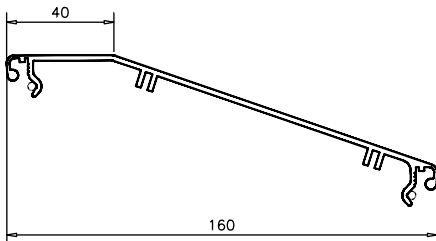
Technical Data
Al, clear anodized
Weight, kg/m
15-085 1.03
15-162 1.20

Description
Support Profile 80x80-45°

Unit	Part #
cut off max. 6M	15-085
pkg of 10 at 3M ea.	15-085-3
pkg of 10 at 6M ea.	15-085-6

Support Profile 160-20°

cut off max. 6M	15-162
pkg of 10 at 3M ea.	15-162-3
pkg of 10 at 6M ea.	15-162-6



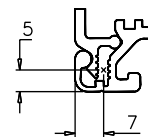
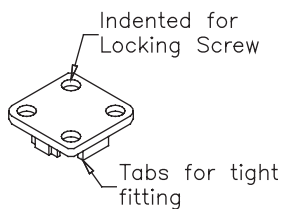
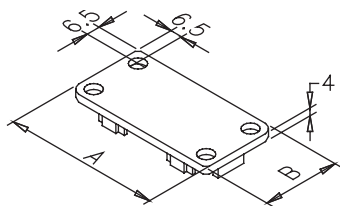
15-162

Saw cut necessary for cut to length

19-002

Conduit Caps

1



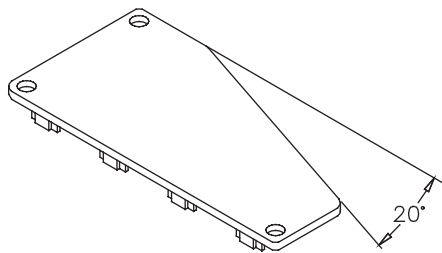
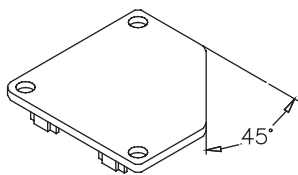
Recommended location of 5mm hole for locking screw on custom conduit caps (note orientation)

Application

Face covering for sealing the end openings of Conduit Systems. Not for use on 40 series profiles.

Technical Data

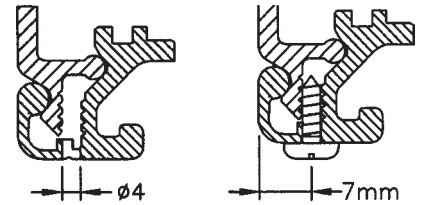
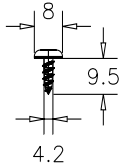
Glass-filled nylon, black



Description (AxB)

Description (AxB)	Unit	Weight (g)	Part #
Conduit Cap 40x40	1 pc	8	15-803
80x40	1 pc	14	15-804
80x80	1 pc	30	15-805
40x120	1 pc	30	15-810
80x120	1 pc	50	15-811
120x120	1 pc	70	15-812
120x160	1 pc	90	15-813
160x40	1 pc	30	15-806
160x80	1 pc	58	15-807
80x80-45°	set of 2, R/L	50	15-808
160x80-20°	set of 2, R/L	100	15-809

Locking Screw



Application

Locking screw for conduit assemblies and conduit caps. The screw breaks anodized coating and establishes a positive ground between the profiles

Technical Data

St, galvanized
4.2 x 9.5mm, DIN 7971
Weight 2 g

Description

Locking Screw 4.2 x 9.5

Unit

1 pc

Part

24-695