

Integrated Trunking

Features

- Wide range of integrated components maximise versatility in application
- Simple, clean lines
- Easy to assemble and install
- Data bend option 32mm radius
- High impact resistance and durability
- Tapered joints provide complete protection at junctions masking cut ends
- Continuity of cable distribution through different sized trunking is provided by special end reducers
- Clip on covers provide continuous access for wiring modifications
- All extrusions manufactured from 90% recycled material*

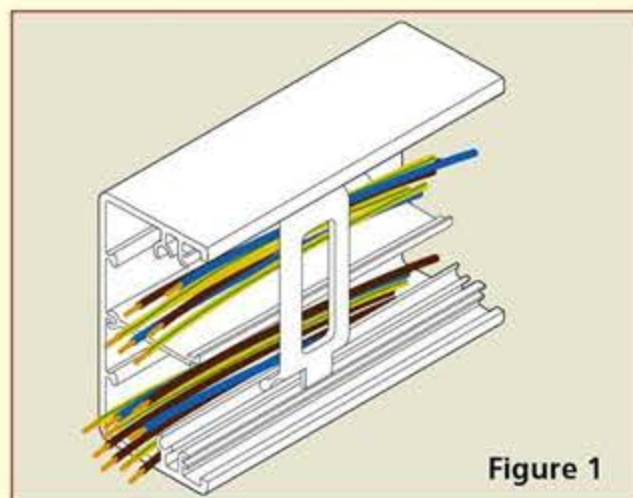


Figure 1

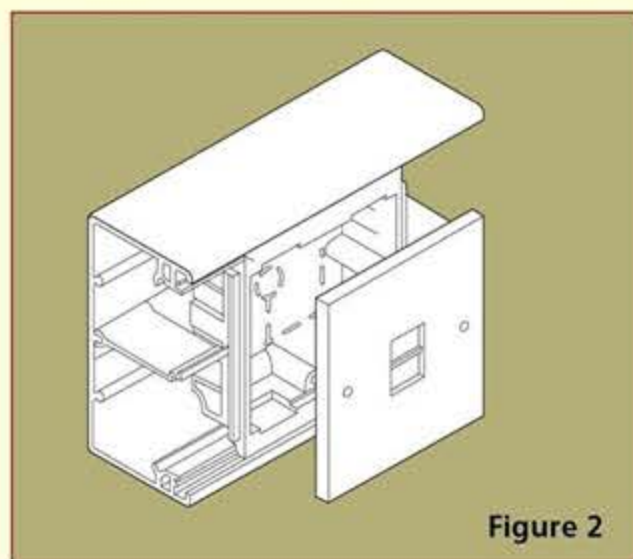


Figure 2

Description

Premier is an integrated PVCu trunking system for general cable distribution. A comprehensive range of tees, angles, reducers and junctions make a very wide range of configurations possible and the system can be wall or ceiling mounted.

6 trunking sizes are available (see dimensions overleaf) offering the user distribution solutions, from incoming mains to the most remote power, telecom or data outlet.

Cable segregation (see figure 1)

Each trunking profile incorporates a series of preformed locators which accept clip-in dividers for cable segregation. Special dividers are provided to maintain cable segregation behind outlet positions. Clip-in components are provided for retaining cables within each compartment prior to trunking lids being fitted.

Finish

Premier lid components are decoratively textured in contrasting linear patterns giving a subtle 'striped' effect.

All other components are in white with a semi matt finish.

Accessories boxes and Mounting Frames (see figure 2)

One, two and three gang outlets boxes in 25mm, 28mm and 35mm depths and one and two gang outlet frames, allow power, telecom and data outlets to be incorporated where required. MK plug-in lighting can be used with all trunking sizes.

Colour

The system is available in a standard white colour, plus a choice of over 180 RAL paint colours to special order (minimum order value applies).

Technical specification

Materials

PVCu materials used in the manufacture of MK products are self extinguishing non-flame propagating in accordance with BS 4678 Part 4.

Extrusion material has been tested by a UKAS accredited laboratory in accordance with the requirements of BS476: part 7 and has achieved a Class 1Y.

Moulding material has been tested by a UKAS accredited laboratory and conforms with IEC 695-2-1 at a severity of 650°C

IEE Wiring Regulations

Designed and manufactured to comply in all respects with BS 7671: 2008 (IEE wiring regulations 17th Edition: 2008)

Quality Assurance

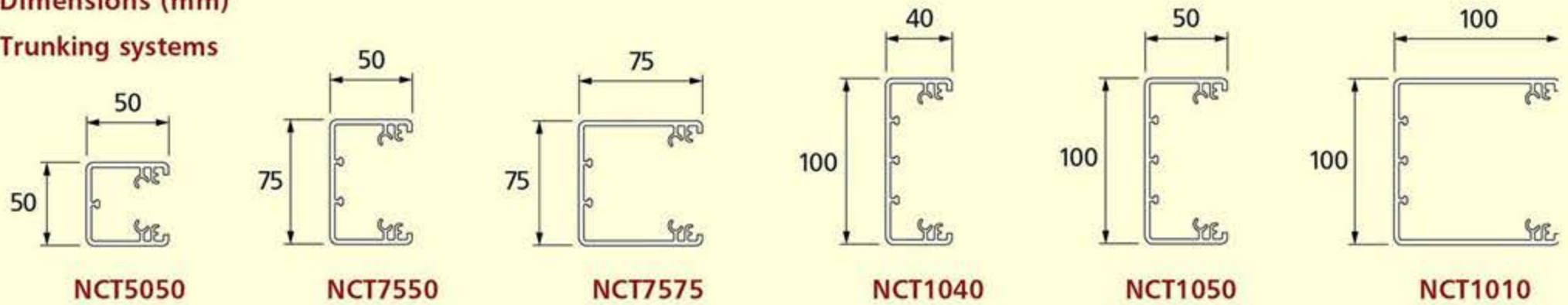
The system is manufactured to BS EN ISO 9001

* Based on 2008 consumption

Integrated Trunking

Dimensions (mm)

Trunking systems



PREMIER CABLE CAPACITY																								
Type of Conductor	Size	Cable Factor	NCT5050		NCT7550		NCT7575		NCT1040		NCT1050		NCT1010		NCT1040 with 25mm backbox		NCT1050 with 25mm backbox		NCT1050 with 35mm backbox		NCT1010 with 25mm backbox		NCT1010 with 35mm backbox	
			Full Term CSA 100%Fill (mm²)																					
			1881		3039		4754		3091		4041		8725		1081		1866		1224		6550		5908	
			Term at 45% Fill (mm²)																					
			846		1367		2139		1390		1818		3926		486		839		550		2947		2658	
Power Cables			Number of Cables at 45% Fill																					
PVC	1.5mm²	8.6	98		158		248		161		211		456		56		97		63		342		309	
Stranded	2.5mm²	12.6	67		108		169		110		144		311		38		66		43		233		210	
	4mm²	16.6	50		82		128		83		109		236		29		50		33		177		160	
	6mm²	21.2	39		64		100		65		85		185		22		39		25		139		125	
Data Cables			Number of Cables at 45% Fill (a) and Full Capacity (b)																					
			a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b
Cat5E UTP	5.5mm dia.	30.2	28	62	45	100	70	157	46	102	60	133	130	288	16	35	27	61	18	40	97	216	88	195
Cat5E STP	6.0mm dia.	36.0	23	52	37	84	59	132	38	85	50	112	109	242	13	30	23	51	15	34	81	181	73	164
Cat6 UTP	6.5mm dia.	42.2	20	44	32	72	50	112	32	73	43	95	93	206	11	25	19	44	13	29	69	155	62	140
Cat6 STP	7.0mm dia.	49.0	17	38	27	62	43	97	28	63	37	82	80	178	9	22	17	38	11	24	60	133	54	120

Applications

The Premier system is ideal for use in factories, workshops, schools, portable accommodation and general commercial buildings where integration of cable distribution with accessory mounting facility is desirable.

Generally systems can be used as follows:

50 x 50, 75 x 50 and 75 x 75mm – general cable distribution.

100 x 40 and 100 x 50mm – where mounting accessories are also required.

100 x 100mm – where mounting accessories and/or generous cable distribution is required.

ACCESSORIES

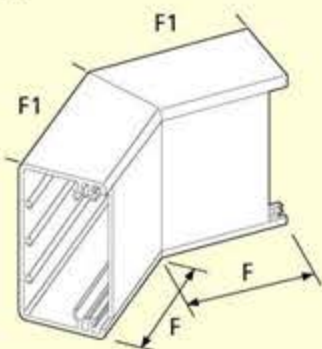
	For use with	List No.
One gang accessory box and frame	NCT1040, NCT1050, NCT1010 for power and ELV outlets requiring 25mm deep box NCT1050/NCT1010 for power and ELV outlets requiring 35mm deep box NCT1040, NCT1050, NCT1010 for power and ELV outlets requiring extra deep accessory space	VTS6025 VTS6035 VTS6000
Two gang accessory box and frame	NCT1040, NCT1050, NCT1010 for power and ELV outlets requiring 25mm deep box NCT1050/NCT1010 for power and ELV outlets requiring 35mm deep box NCT1040, NCT1050, NCT1010 for power and ELV outlets requiring extra deep accessory space	VTS7025 VTS7035 VTS7000
Three gang accessory box	NCT1040, NCT1050, NCT1010 for power and ELV outlets requiring 28mm deep box	VTS8028
Mini trunking adaptor	Integrates Premier with YEA1, YEA2, YEA200, YEA3 CMA1, CMA3, CMA4 Mini trunking fittings	NYT100
Partition wall cover	NCT1040	NWC1040

Integrated Trunking

Components

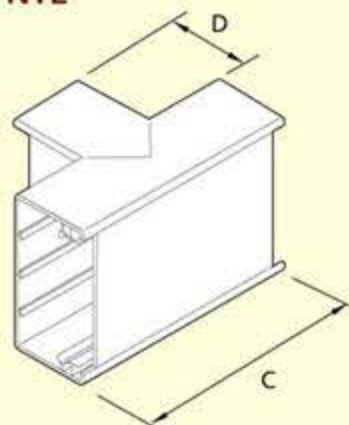
The five components that follow are fabricated sections and space must be allowed for their inclusion in runs of trunking. All other components snap on over standard trunking profiles.

Internal angle (135°) NMI



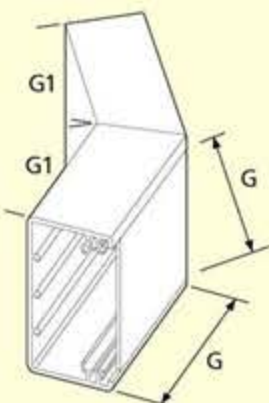
	F mm	F1 mm	
NMI	5050	75	96
7550	75	96	
7575	75	106	
1040	75	92	
1050	75	96	
1010	75	116	

External Tee NTE



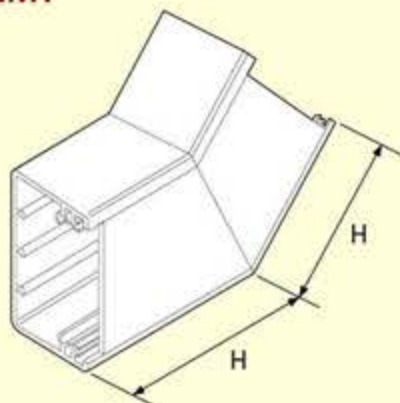
	C mm	D mm	
NTE	5050	150	50
7550	150	50	
7575	225	75	
1040	150	60	
1050	150	50	
1010	250	75	

External angle (135°) NMO



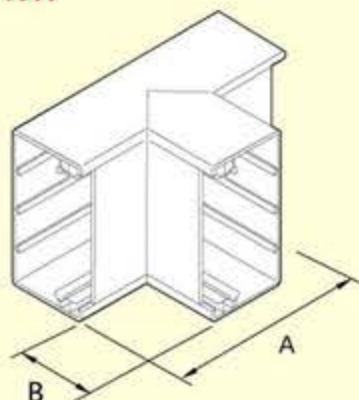
	G mm	G1 mm	
NMO	1050	96	75
7550	96	75	
7575	106	75	
1040	92	75	
1050	96	75	
1010	116	75	

Flat angle (135°) NMT



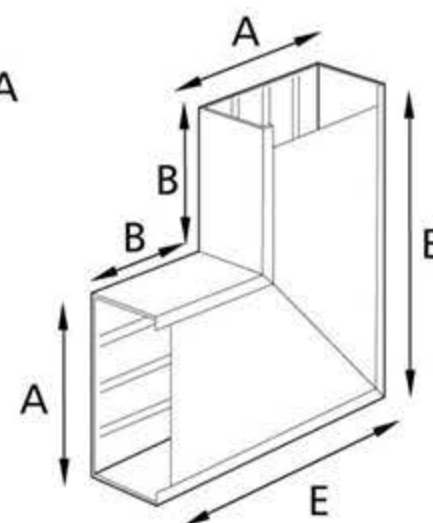
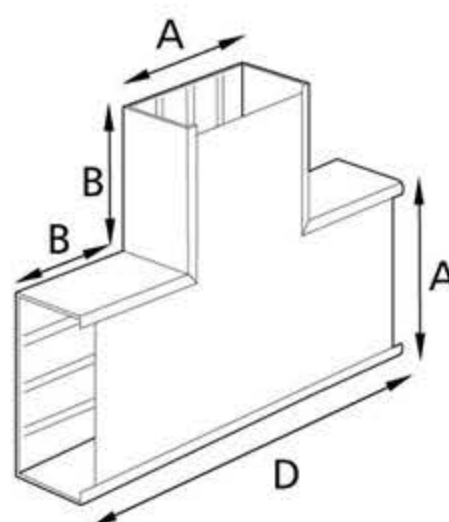
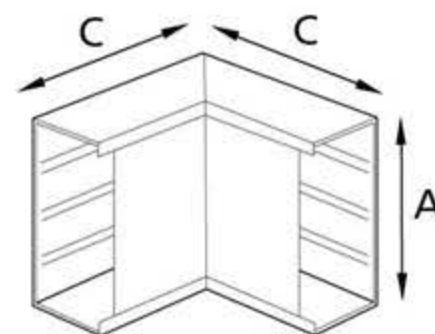
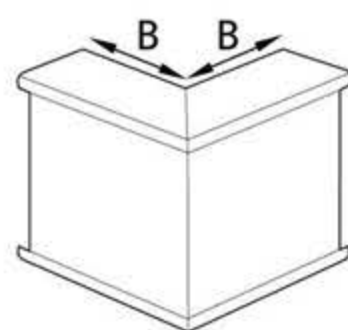
	H mm	
NMT	5050	96
7550	106	
7575	106	
1040	116	
1050	116	
1010	116	

Internal Tee NTI



	A mm	B mm	
NTI	5050	150	50
7550	150	50	
7575	225	75	
1040	150	60	
1050	150	50	
1010	250	75	

Fabricated fittings (for 1050 only)



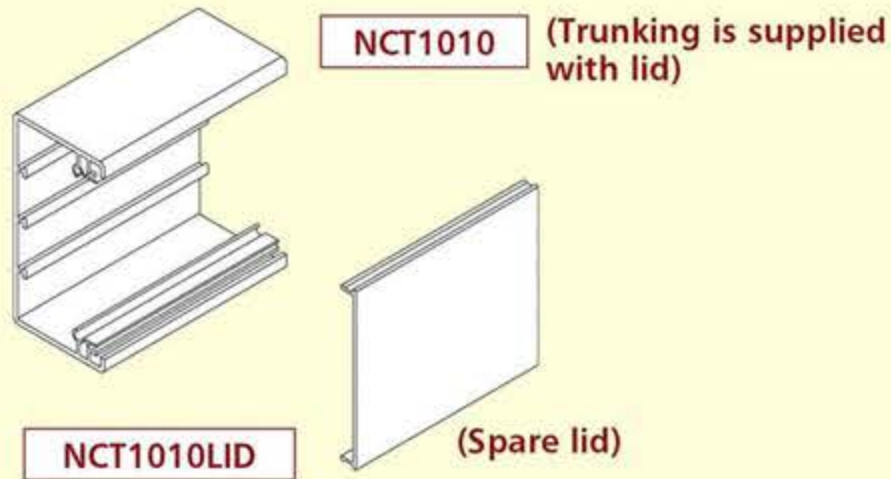
DIMENSIONS (mm)

A	B	C	D	E
100	75	125	250	175

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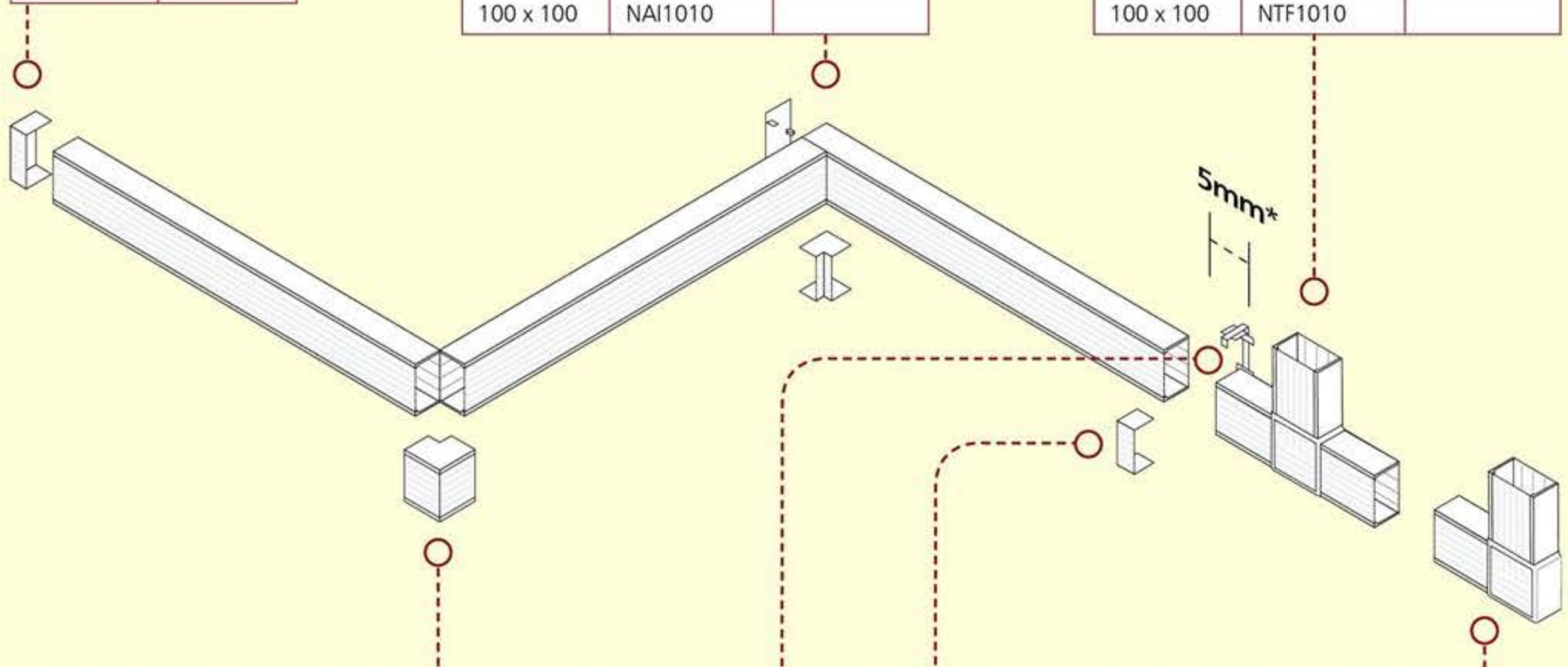
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Profile	End Cap
50 x 50	NEP5050
75 x 50	NEP7550
75 x 75	NEP7575
100 x 40	NEP1040
100 x 50	NEP1050
100 x 100	NEP1010

Profile	Int Corner Corner	With Data
50 x 50	NAI5050	
75 x 50	NAI7550	
75 x 75	NAI7575	
100 x 40	NAI1040	
100 x 50	NAI1050	NDAI1050
100 x 100	NAI1010	

Profile	Flat Tee Corner	With Data
50 x 50	NTF5050	
75 x 50	NTF7550	
75 x 75	NTF7575	
100 x 40	NTF1040	
100 x 50	NTF1050	NDTF1050
100 x 100	NTF1010	



Profile	Ext Corner Corner	With Data
50 x 50	NAE5050	
75 x 50	NAE7550	
75 x 75	NAE7575	
100 x 40	NAE1040	
100 x 50	NAE1050	NDAE1050
100 x 100	NAE1010	

Profile	Int Coupler Cover	Joint
50 x 50	NCI5050	NJC5050
75 x 50	NCI7550	NJC7550
75 x 75	NCI7575	NJC7575
100 x 40	NCI1040	NJC1040
100 x 50	NCI1050	NJC1050
100 x 100	NCI1010	NJC1010

Profile	Flat Angle Corner	With Data
50 x 50	NAF5050	
75 x 50	NAF7550	
75 x 75	NAF7575	
100 x 40	NAF1040	
100 x 50	NAF1050	NDAF1050
100 x 100	NAF1010	

Note: Diagram shows profile 1050

* Minimum distance

Integrated Trunking

Installation guide

General notes

Prior to installation strike a line of trunking using a plumb and chalk line for vertical, and spirit levels for horizontal runs.

- ① It may be advantageous to fit stop ends to trunking prior to installation. Where stop end could be subjected to lateral force the mounting clip should be solvent welded to the rail.
- ② Drill Trunking with oversized holes in positions and at maximum centre shown.
- ③ Fix with dome head screws and fibre or rubber washers. Allow for expansion movement when tightening screws and between joints.
- ④ When feeding with mini trunking, cut trunking base as indicated and cover with appropriate mini trunking adapter.
- ⑤ Internal coupler should be used to ensure correct alignment. Clip the

coupler to the end of the free trunking length, offer up to the fixed trunking and slide home.

- ⑥ Minimum dimensions:

Trunking size mm	Dimension A (mm)
50 x 50	100
75 x 50	100
75 x 75	130
100 x 40	90
100 x 50	100
100 x 100	210

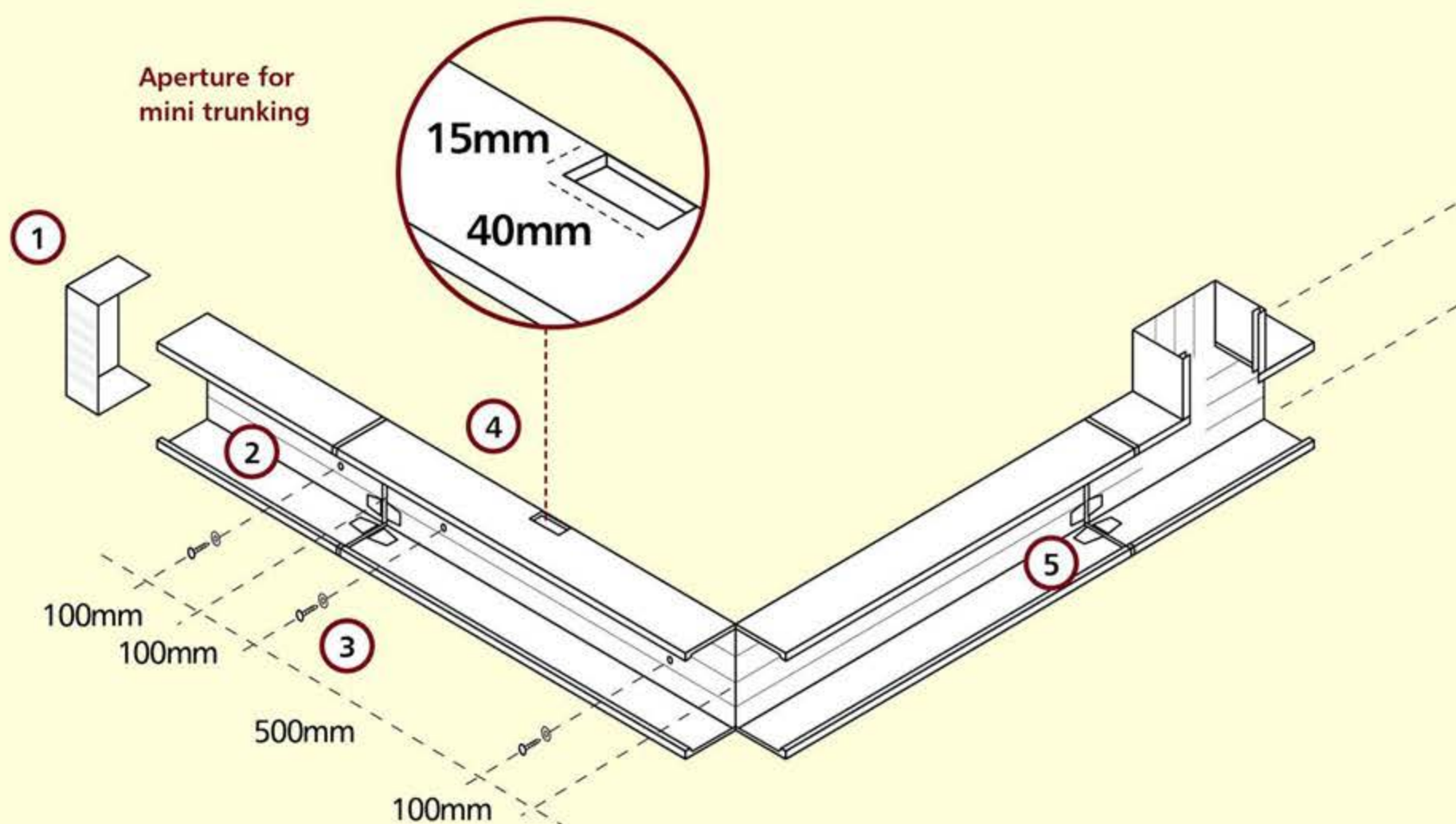
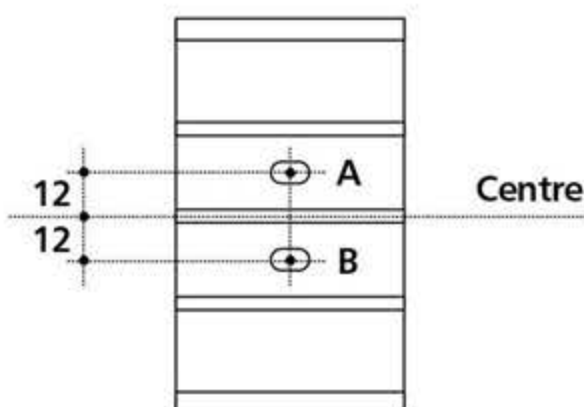
- ⑦ Partition wall cover – having passed through a partition fix the wall cover to it using screws or adhesive. For future maintenance work ensure the partition and partition wall cover will not restrict lid removal.

Fixing centres (2)

For 50mm wide trunking use hole A.

For 100mm wide trunking use holes A and B.

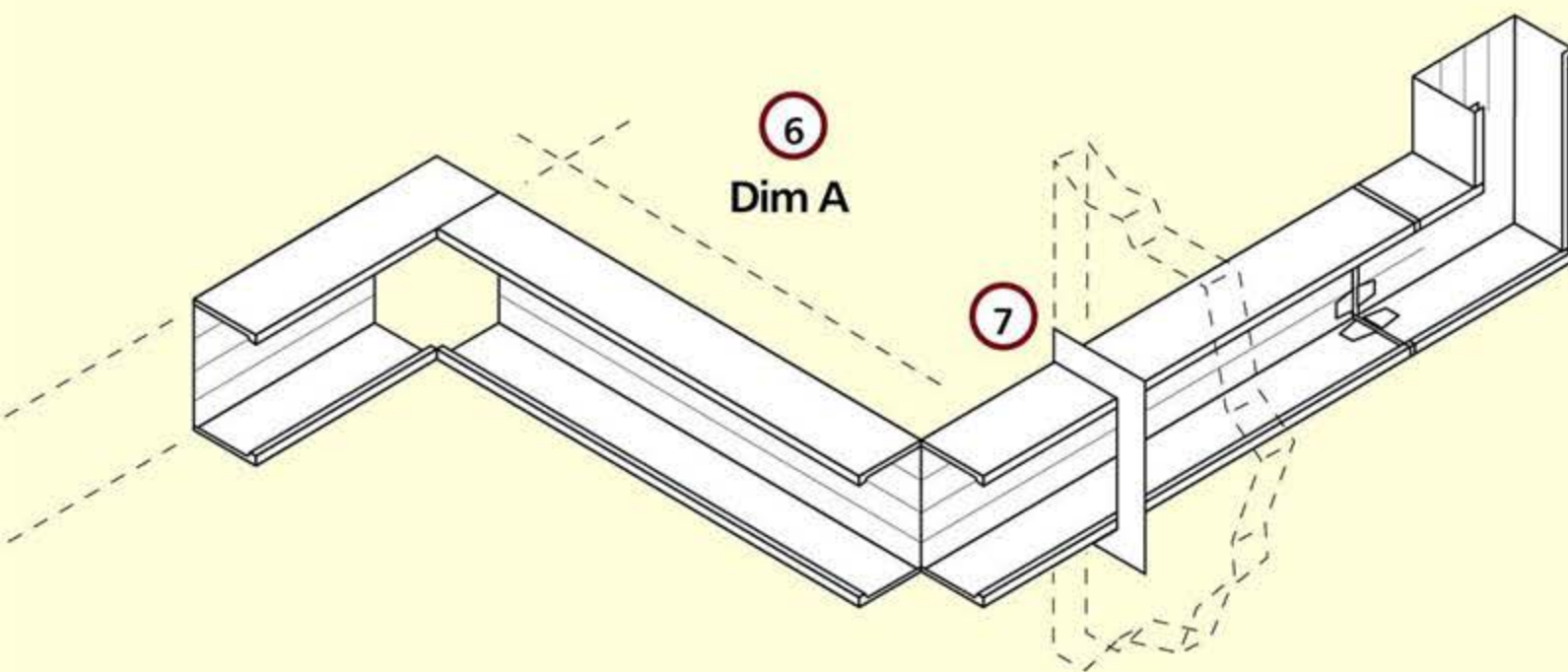
For 75mm wide trunking drill single fixing on the centre line.



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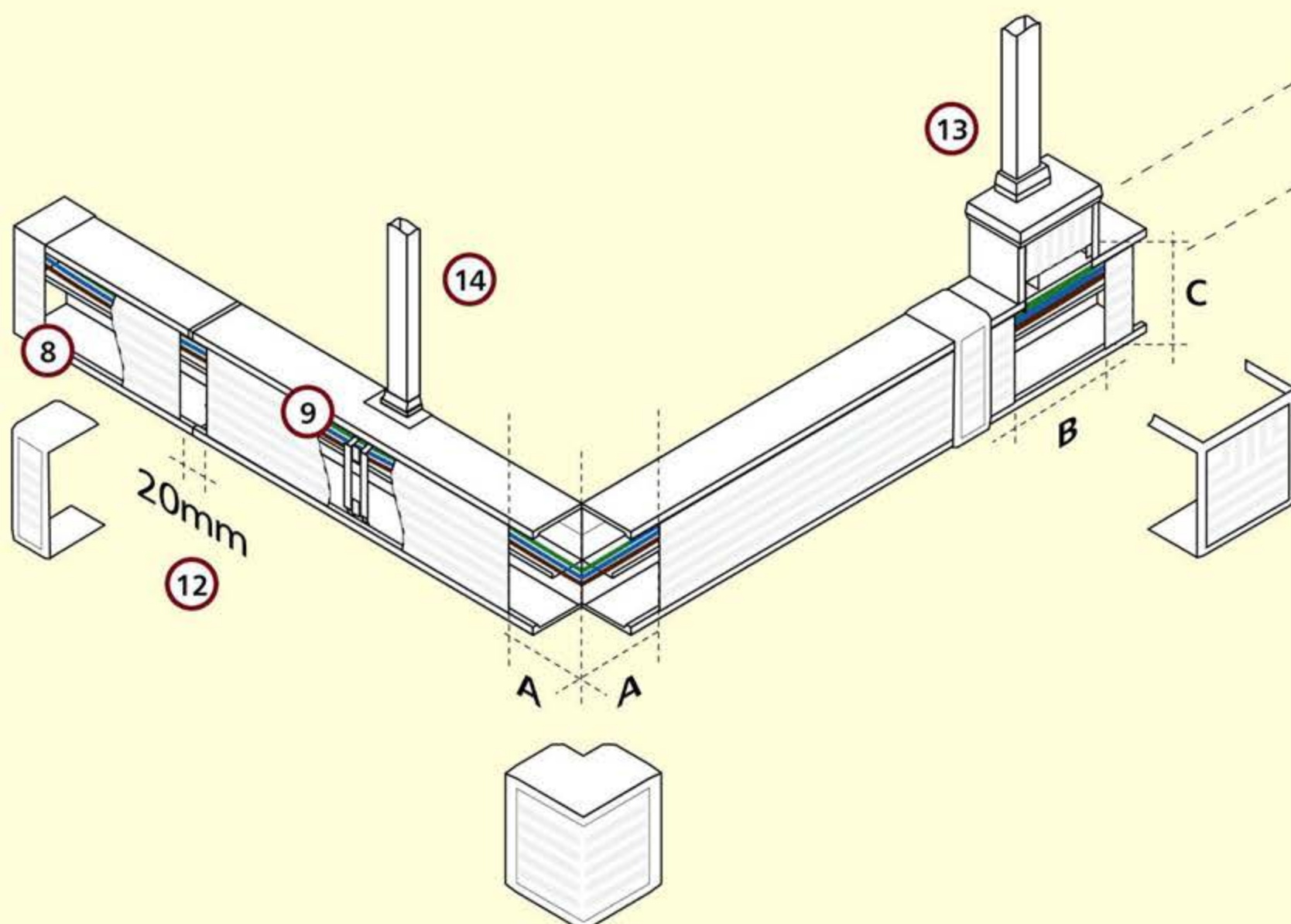


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Installation guide continued

- ⑧ Clip in cable dividers prior to cabling. Divider clip fits to the tee bar mounting rail extruded on the trunking base. To correctly fit divider, the extension foot of the female clip profile is mounted below the tee bar for horizontal runs, and to the right hand side of vertical runs.
- ⑨ Cable retainers clip into the semi-circular grooves extruded within the trunking profile. Retainers should be installed at 750mm maximum centres on straight runs or within 100mm of each end, corner or change of plane.
- ⑩ At internal corners, external corners, flat angles and flat tees, leave gaps between lids and the end trunking body as shown below:
- ⑪ Internal corners – measure distance into corner and cut trunking length 2mm short.
- ⑫ Wall plates should be used to maintain enclosure function of trunking.
- ⑬ Leave a gap of 20mm to allow fitting of joint cover moulding.
- ⑭ To join lengths of different sized trunking use the appropriate reducer. For correct alignment of adjacent trunking bodies temporarily clip reducers into fixed trunking.
- ⑮ For mini trunking, clip adaptor from YEA range into aperture to suit mini-trunking size YT1 to YT3.

		50x50	75x50	75x75	100x40	100x50	100x100
External Corner	A	62	62	87	52	62	140
Flat Tee	B	74	99	99	124	124	124
	C	65	90	90	115	115	115
Internal Corner	D	62	62	87	52	62	140
Flat Angle	E	66	90	90	115	115	140



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