FAMILY BROCHURE

Fibre Duct System

Contents

Elevate Fibre Duct System

The Elevate fibre duct system is a modular range of straight trunking and associated accessories in a choice of sizes enabling a customized designs to suit all types and sizes of overhead cable routing environments. Manufactured from low smoke zero halogen materials, and designed to be installed quickly without specialist tools Elevate duct offers safe, fast, easy to use cable management for high density fibre optic cabling.
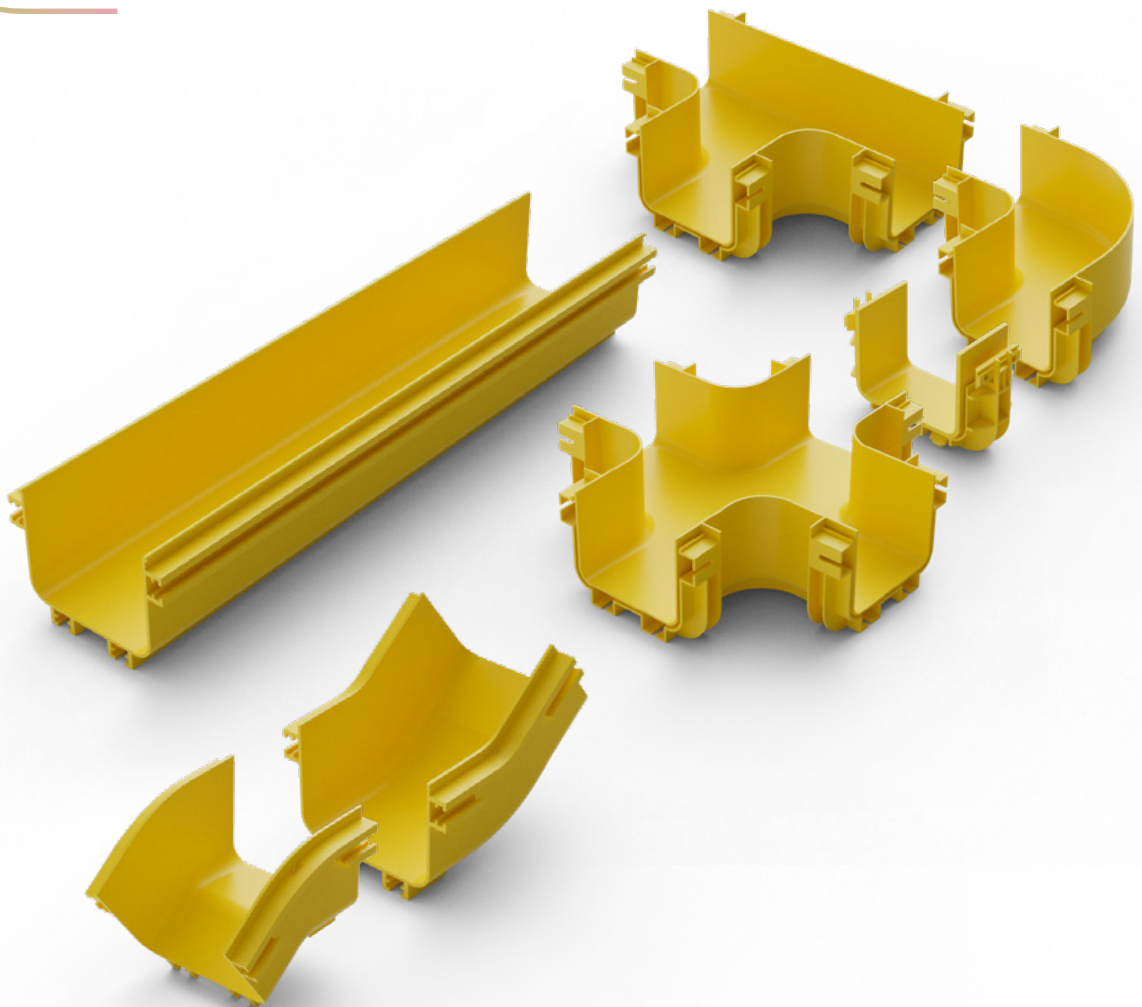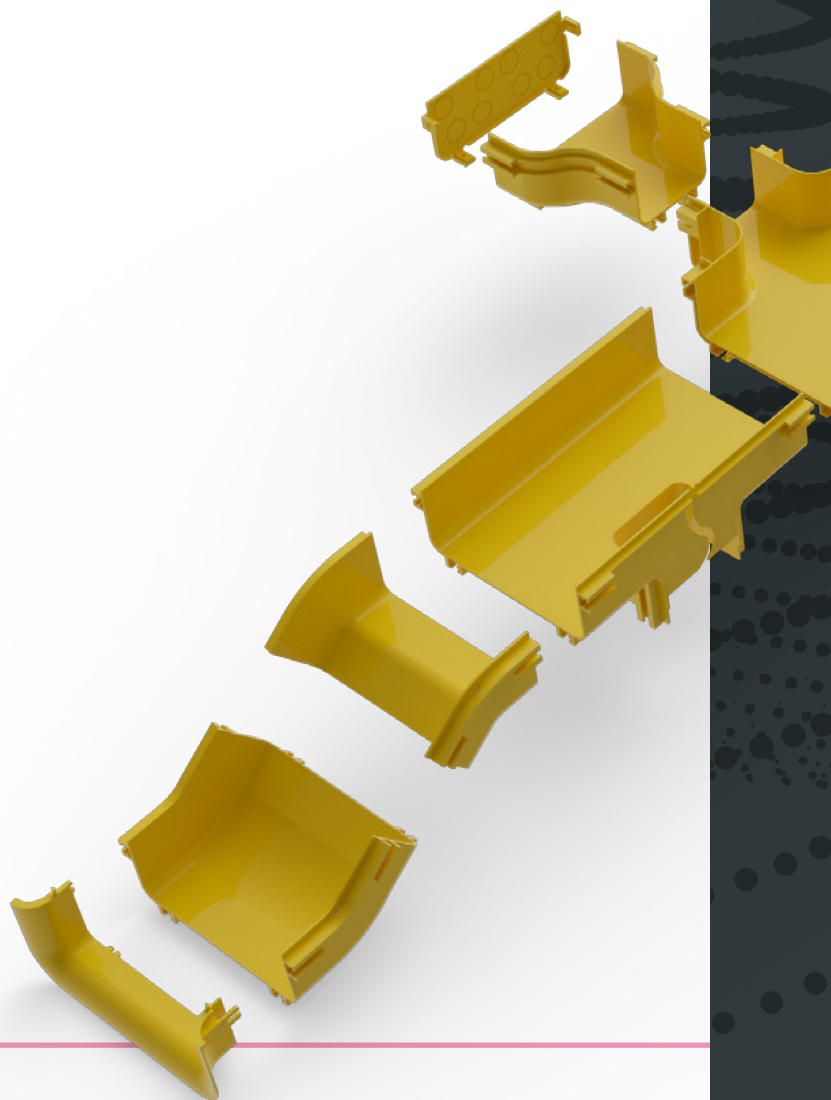
Elevate Fibre Duct System

Careful management, routing and protection of fibre patching and trunk cabling within datacentres is essential. Delicate small diameter cables need to be separated from power and data cables for mechanical protection as well as requiring optimal routing and bend radii support to ensure reliable, high levels of performance. Elevate fibre duct systems address these needs by providing a modular, safe, highly flexible, fast to install solution.

Straight duct systems available in a range of sizes are the foundation of each design. Next choose from a series of accessories to create the routing and capacity required throughout the ducting system the options include a range of bends, end caps ans exit sections. A simple connector chosen to match the width of duct acts as the joint between sections of straight duct or to add an accessory to a straight section.

Manufactured from flame-retardant ABS material, the duct system meets LSZH (Low Smoke Zero Halogen) and UL94V-0 standards, further enhancing the protection of the cables and ensuring safety in case of fire.

Elevate's fibre duct system is also designed for ease of assembly. The only tool required is a saw to cut the channels to the desired length. This design prioritizes speed of installation and minimizes time for the installer, making it a highly efficient solution.

Moreover, the system's adaptability ensures it can evolve to meet the demands of the market. Currently available in widths ranging from 100mm to 300mm, it offers versatility to accommodate various installation requirements.

The Elevate fibre duct system stands out for its flexibility, ease of installation, robust protection, and adaptability.
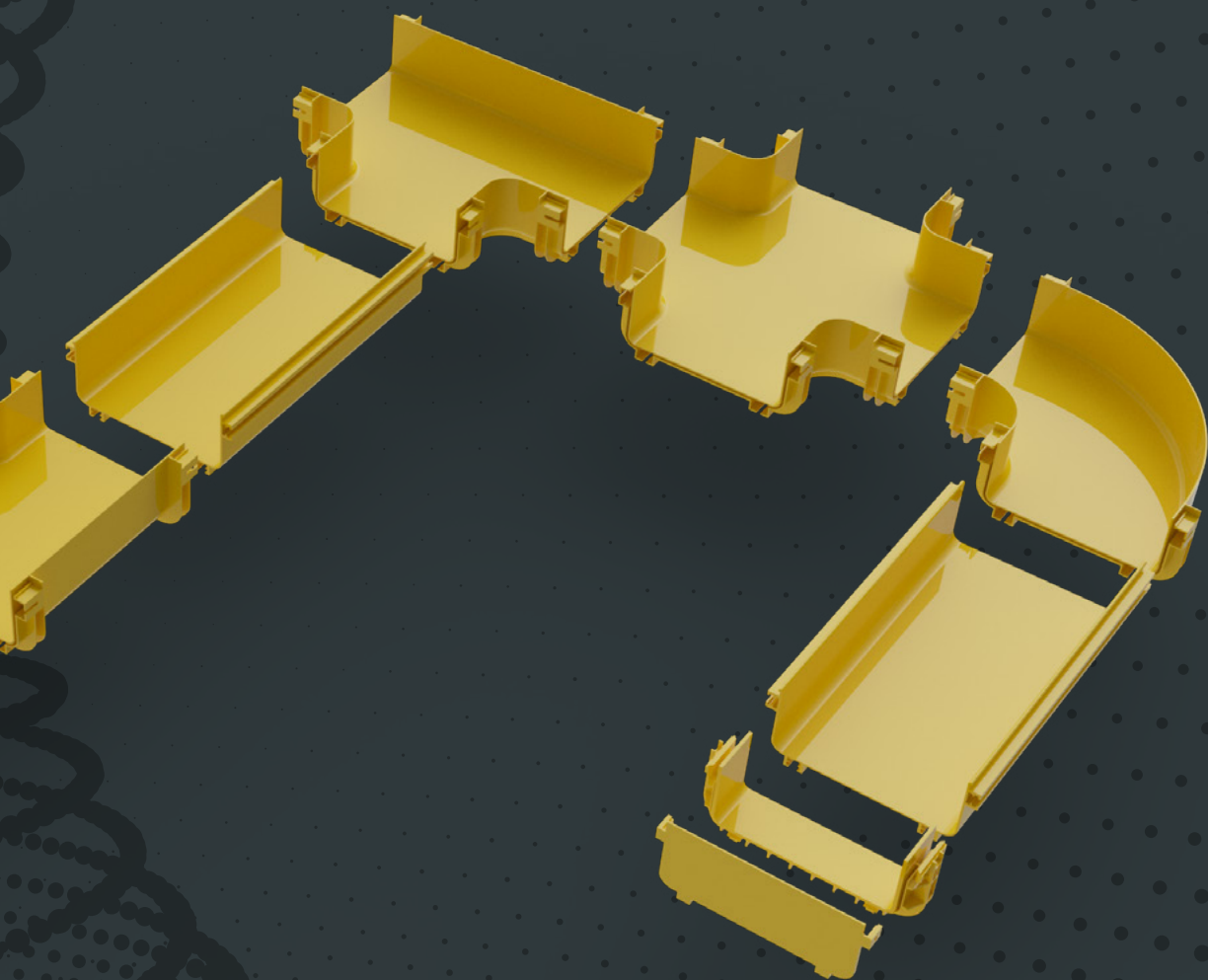
Straight Duct Sections

Straight duct sections are supplied in 2 metre lengths, each with a standard depth of 100mm, various fibre cable densities can be housed by choosing from a range of duct widths, it is recommended to allow for further expansion when designing systems.

Optional snap on covers are available to enclose installed cabling
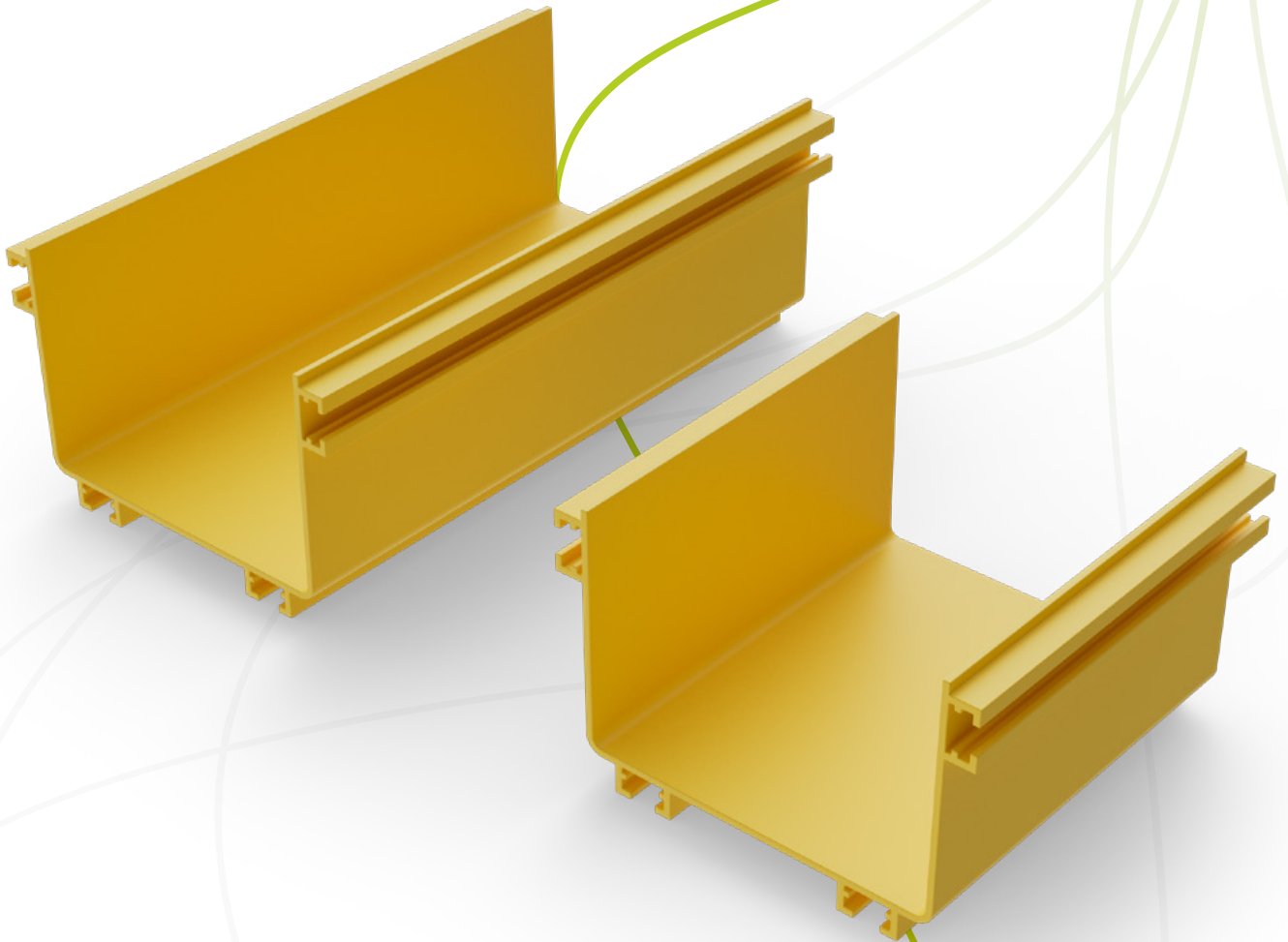
Fibre Loading Capacity

Duct Width	2mm Fibre			3mm Fibre		
	50% Capacity	75% Capacity	100% Capacity	50% Capacity	75% Capacity	100% Capacity
100mm	875	1315	1820	1170	1755	2428
150mm	1755	2960	3945	1313	3945	5265
240mm	1910	2866	3821	849	1273	1698
300mm	2370	3556	5136	1055	1578	2106

Part Number Table

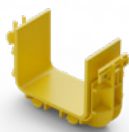| Part Number	Description
Elevate 100mm Fibre Duct Straight	
460-100-LSZH	100mm x 2000mm Straight Duct LSZH
460-100-CVR	Elevate Straight Cover
Elevate 150mm Fibre Duct Straight	
460-150-LSZH	150mm x 2000mm Straight Duct LSZH
460-150-CVR	Elevate Straight Cover
Elevate 240mm Fibre Duct Straight	
460-240-LSZH	240mm x 2000mm Straight Duct LSZH
460-240-CVR	Elevate Straight Cover
Elevate 300mm Fibre Duct Straight	
460-300-LSZH	300mm x 2000mm Straight Duct LSZH
460-300-CVR	Elevate Straight Cover

Corner Duct Sections

A wide range of tees, elbow corners and cross sections are available to complement the straight duct providing a highly flexible, modular approach to system design.

Each of these accessories requires a connector at each joining point whether this is to a straight duct, or another accessory. As with the duct sections optional snap on covers are available to enclose installed cabling
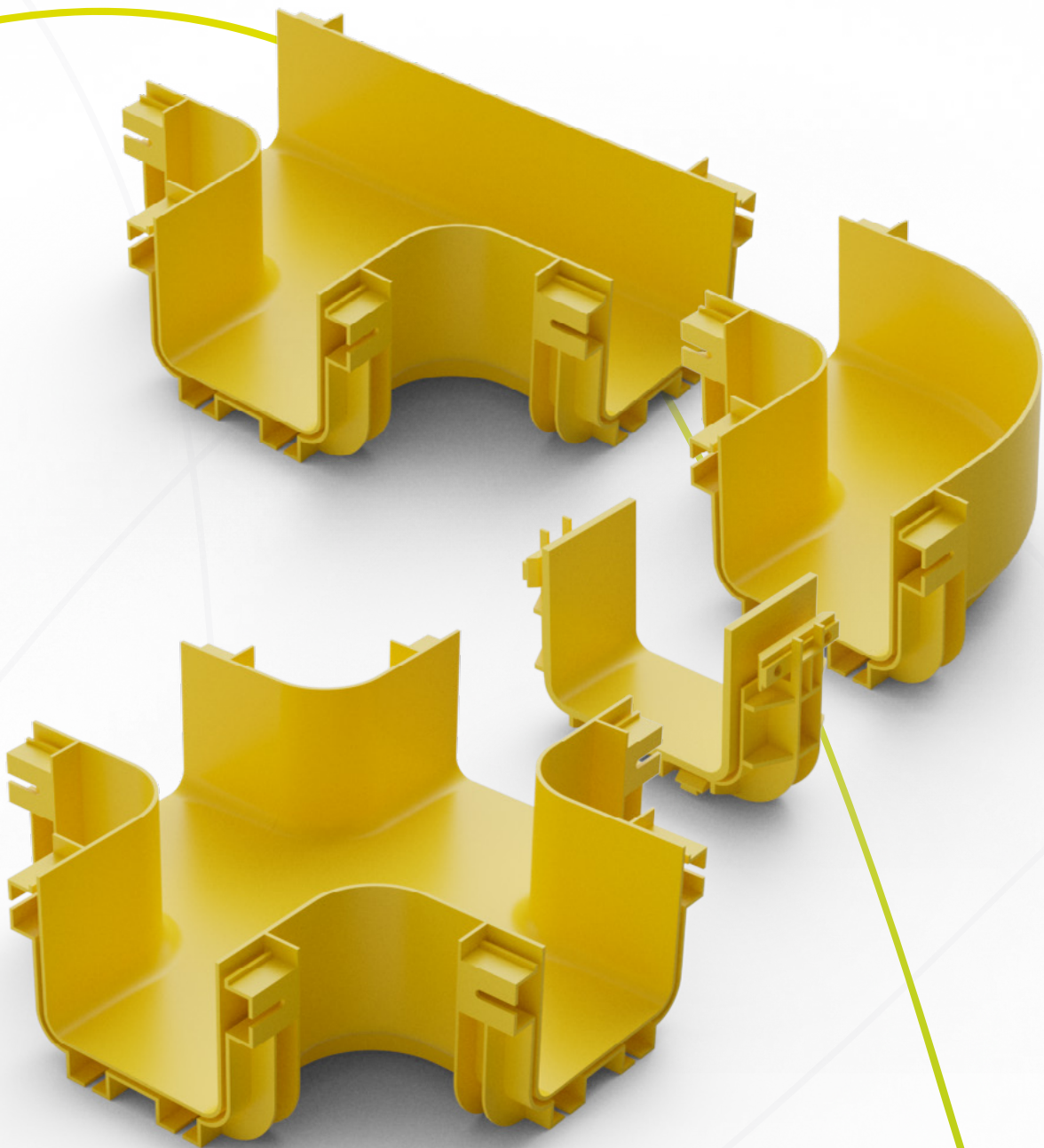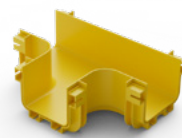
Part Number Table

Part Number	Description
Elevate Connector	
460-100-CNT	100mm Connector
460-150-CNT	150mm Connector
460-240-CNT	240mm Connector
460-300-CNT	300mm Connector

Part Number	Description
Elevate TEE	
460-100-TEE	100mm TEE
460-150-TEE	150mm TEE
460-240-TEE	240mm TEE
460-300-TEE	300mm TEE

Part Number	Description
Elevate 90° Elbow	
460-100-ELB90	100mm 90° Elbow
460-150-ELB90	150mm 90° Elbow
460-240-ELB90	240mm 90° Elbow
460-300-ELB90	300mm 90° Elbow

Part Number	Description
Elevate TEE Cover	
460-100-TEE-CVR	100mm TEE Cover
460-150-TEE-CVR	150mm TEE Cover
460-240-TEE-CVR	240mm TEE Cover
460-300-TEE-CVR	300mm TEE Cover

Part Number	Description
Elevate 90° Elbow Cover	
460-100-ELB90-CVR	100mm 90° Elbow Cover
460-150-ELB90-CVR	150mm 90° Elbow Cover
460-240-ELB90-CVR	240mm 90° Elbow Cover
460-300-ELB90-CVR	300mm 90° Elbow Cover

Part Number	Description
Elevate Cross	
460-100-Cross	100mm Cross
460-150-Cross	150mm Cross
460-240-Cross	240mm Cross
460-300-Cross	300mm Cross

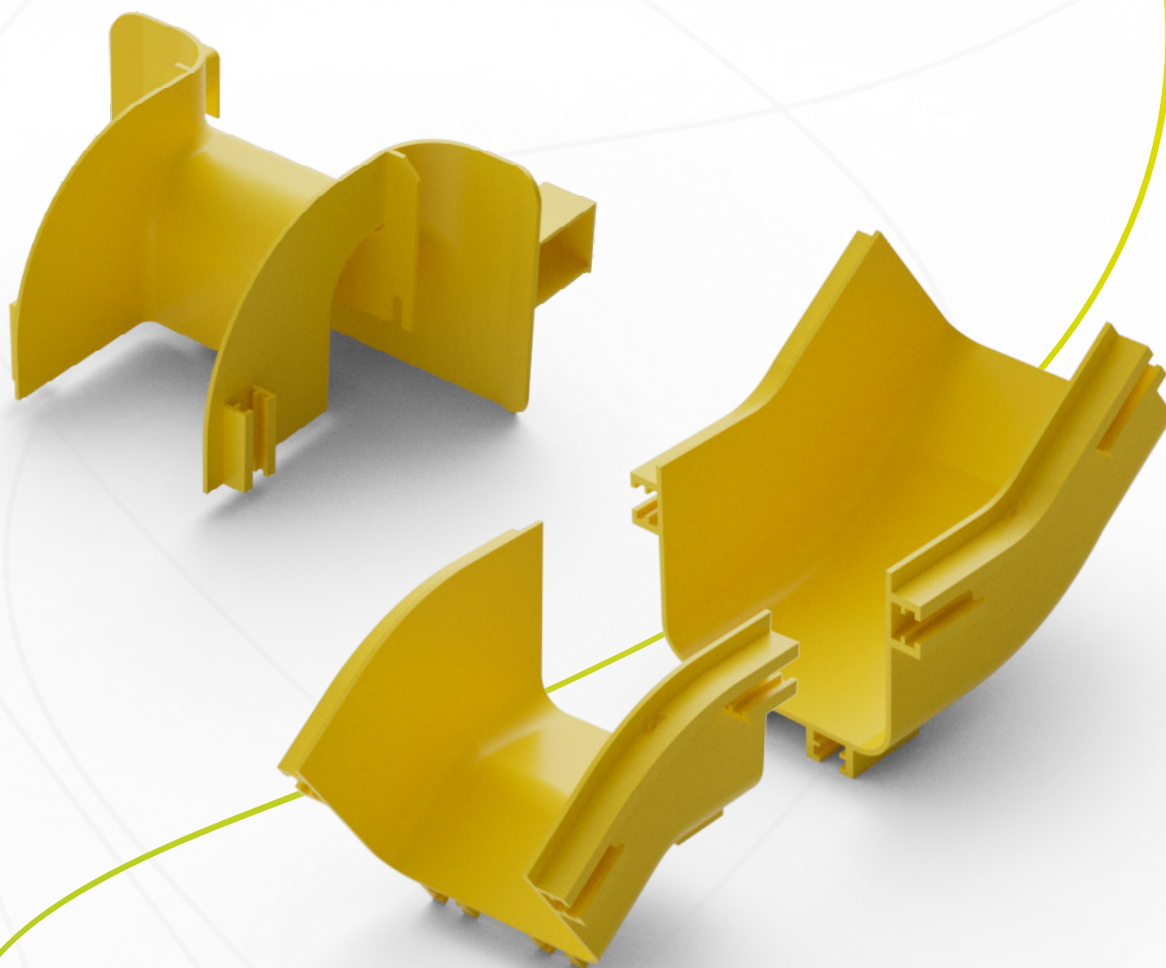| Part Number	Description
Elevate Cross Cover	
460-100-CRS-CVR	100mm Cross Cover
460-150-CRS-CVR	150mm Cross Cover
460-240-CRS-CVR	240mm Cross Cover
460-300-CRS-CVR	300mm Cross Cover

Riser and Exit Duct Sections

Internal and external riser accessories, available with or without covers, act as the joint and routing section in systems where lengths of ducting are installed at different heights.

A choice of exit kit is offered to suit low density cable volumes via a flexible conduit assembly or larger volumes via a waterfall style design, each of these accessories fit to any size of straight duct by clipping on to the duct side wall.

Part Number Table

Part Number	Description
	Elevate Internal Riser 45°
460-100-IRS45	100mm Internal Riser 45°
460-150-IRS45	150mm Internal Riser 45°
460-240-IRS45	240mm Internal Riser 45°
460-300-IRS45	300mm Internal Riser 45°
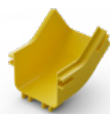
Part Number	Description
	Elevate Internal Riser 45°Cover
460-100-IRS45-CVR	100mm Internal Riser 45° Cover
460-150-IRS45-CVR	150mm Internal Riser 45° Cover
460-240-IRS45-CVR	240mm Internal Riser 45° Cover
460-300-IRS45-CVR	300mm Internal Riser 45° Cover

Part Number	Description
	Elevate External Riser 45°
460-100-ERS45	100mm External Riser 45°
460-150-ERS45	150mm External Riser 45°
460-240-ERS45	240mm External Riser 45°
460-300-ERS45	300mm External Riser 45°

Part Number	Description
	Elevate External Riser 45°Cover
460-100-ERS45-CVR	100mm External Riser 45° Cover
460-150-ERS45-CVR	150mm External Riser 45° Cover
460-240-ERS45-CVR	240mm External Riser 45° Cover
460-300-ERS45-CVR	300mm External Riser 45° Cover

Part Number	Description
	Elevate Universal Exit Kit with Flexible Tube
460-OUT-55	Universal Exit Kit with Flexible Tube

Part Number	Description
	Elevate Universal Exit Kit 100mm Duct
460-OUT-100	Universal Exit Kit 100mm Duct

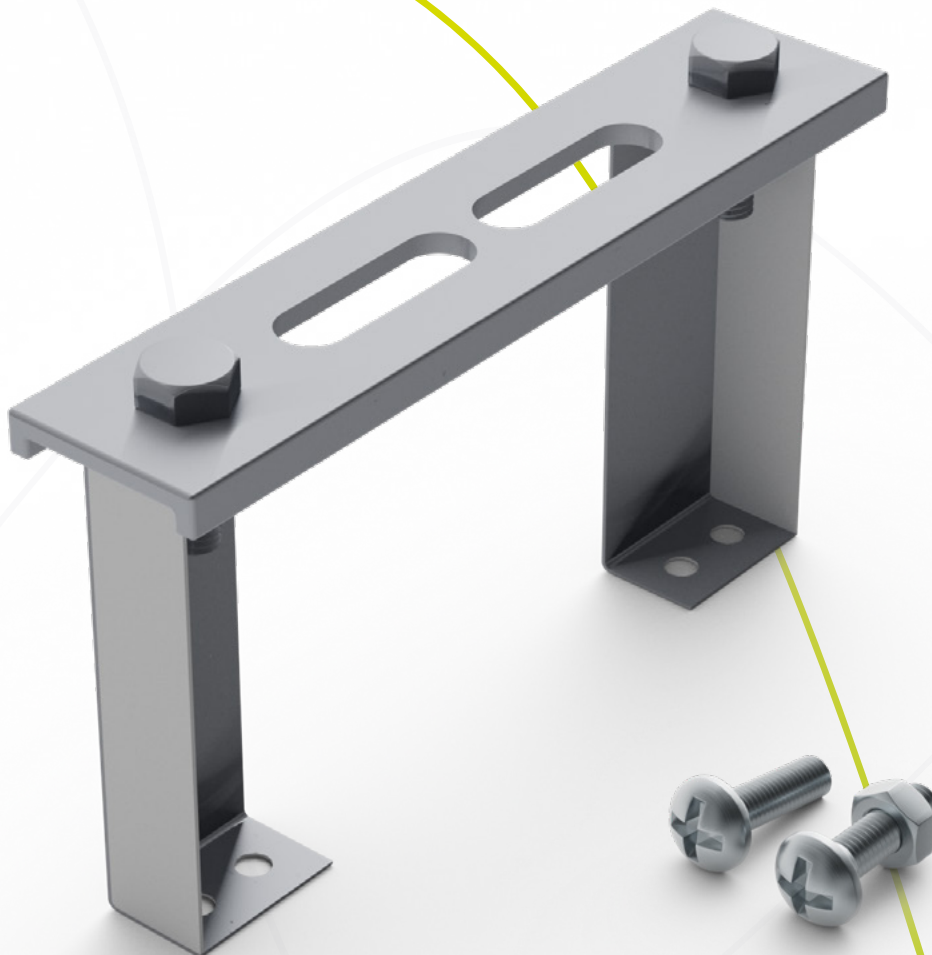| Part Number	Description
	Elevate Bend Radius Trumpet End
460-100-TSP	100mm Bend Radius Trumpet End
460-150-TSP	150mm Bend Radius Trumpet End
460-240-TSP	240mm Bend Radius Trumpet End
460-300-TSP	300mm Bend Radius Trumpet End

Accessories

To complete each system design end caps, and a range of support accessories are available, also shown are the Elevate X bolt, a simple tool free fixing used when securing the connector to each length of duct or accessory.

Part Number Table

Elevate End Cap

Part Number	Description
460-100-TTR	100mm End Cap
460-150-TTR	150mm End Cap
460-240-TTR	240mm End Cap
460-300-TTR	300mm End Cap

Elevate L Type Support

Part Number	Description
460-L100	100mm L Type Support
460-L150	150mm L Type Support
460-L240	240mm L Type Support
460-L300	300mm L Type Support

Elevate X-Bolt

460-XBOLT	X-Bolt (single) Pack off 100
460-XBOLT-SET	X-Bolt Set (Nut and bolt) Pack of 100

Elevate Cabinet Top Stand

460-100-EPS	100mm Cabinet Top Stand
460-150-EPS	150mm Cabinet Top Stand
460-240-EPS	240mm Cabinet Top Stand
460-300-EPS	300mm Cabinet Top Stand

Elevate Hanging Bar

460-100-BAR	100mm Hanging Bar
460-150-BAR	150mm Hanging Bar
460-240-BAR	240mm Hanging Bar
460-300-BAR	300mm Hanging Bar

Elevate Side Hanging Set

460-100-HGS	100mm Side Hanging Set
460-150-HGS	150mm Side Hanging Set
460-240-HGS	240mm Side Hanging Set
460-300-HGS	300mm Side Hanging Set

ELEVATE

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an **excel** solution