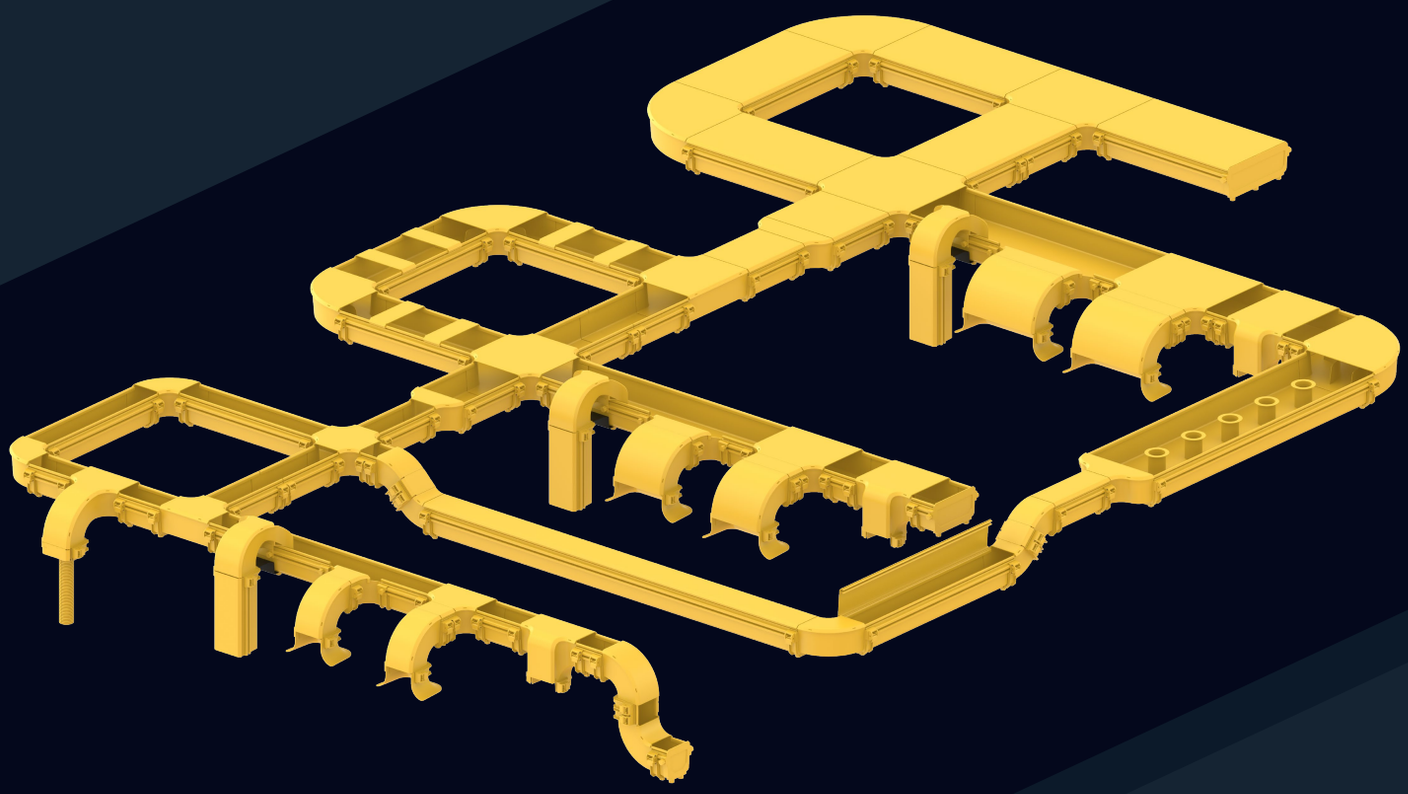
Online Catalogue

DATA CENTER
SOLUTIONS

samm teknoloji



FDS
FIBER DUCTING SOLUTIONS

Founded in 2003, SAMM Technology offers cutting-edge products and services in the fields of telecommunication infrastructure and data center by producing in line with the expectations and needs of its customers.

With more than 20 years of experience, SAMM Technology has become one of the important suppliers of Europe in terms of capacity, technology and innovation by continuously investing in production, technology, R&D and people.

SAMM Teknoloji produces high performance fiber optic cables, fiber optic cable assemblies, data center infrastructure products and structured cabling solutions in its two factories located in the Gosb/Gebze industrial zone.

SAMM also has a ministry-approved research and development center since 2017.



20+ Years' Experience

With more than 200 employees and 2 factories, we have achieved several significant projects in telecommunication fiber optic infrastructure.



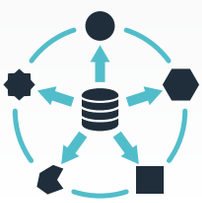
World Class Production

With systematic and scientific methods, we always focus on reaching the highest quality in our fiber optic cable production and assembly lines.



Connecting Continents

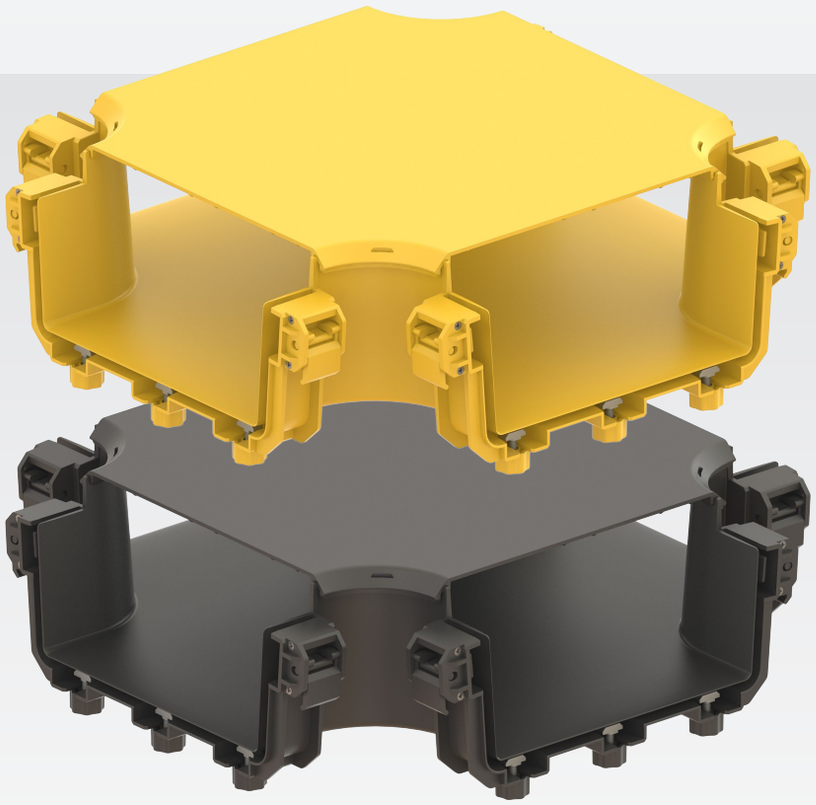
An advantageous shipping location, at the intersection of Asia, Europe and the Middle-East.



Innovative Solutions

We are passionate about responding to customer demand and keeping pace with the ever-evolving telecommunication and fiber optic technologies.

Protecting and Routing Fiber Cable Infrastructure



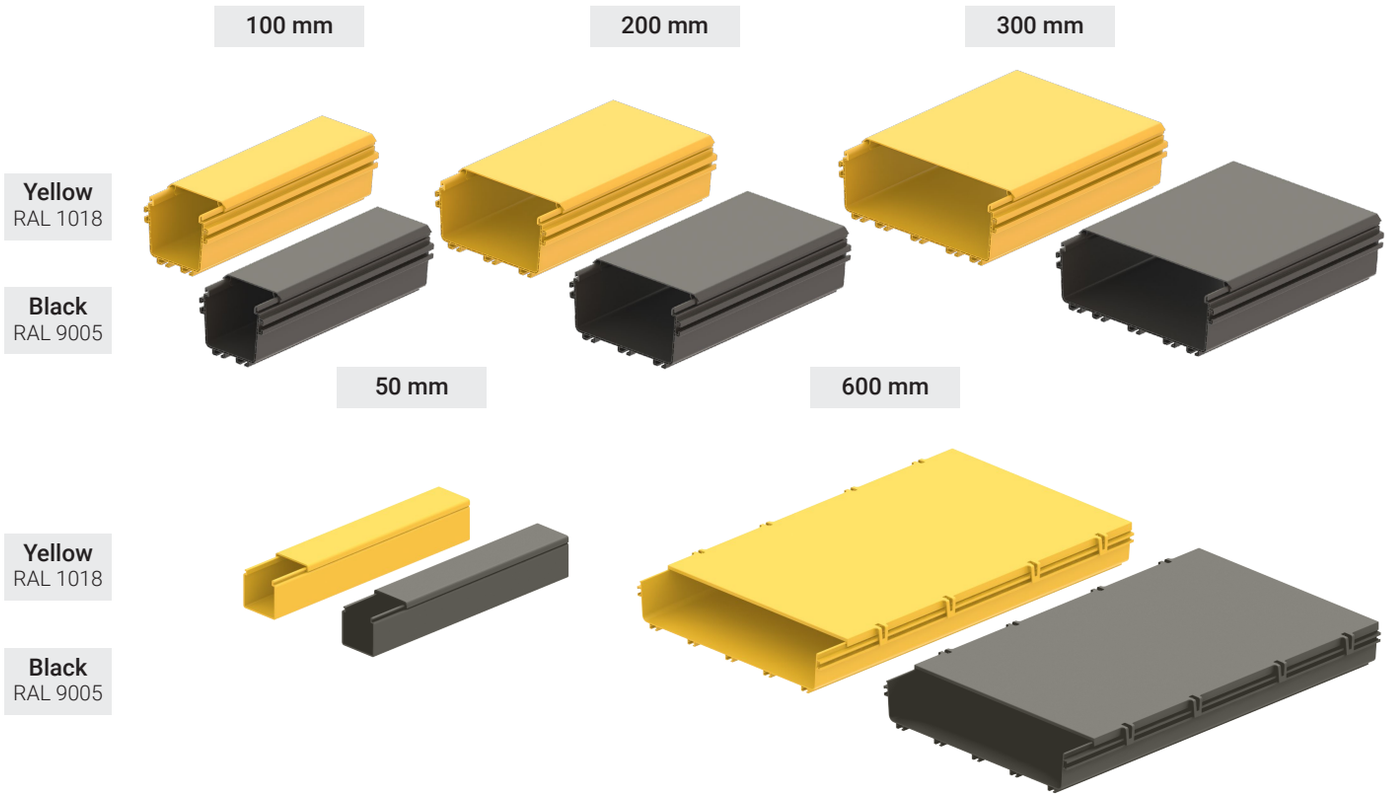
FDS

FIBER DUCTING SOLUTIONS

Fiber Ducting Solutions (FDS)

SAMM Fiber Ducting Solution (FDS) is a fully enclosed ducting system that segregates, routes, and protects fiber optic cables and jumpers from building entry point to fiber termination and distribution equipment.
With the ducting system, fiber cables are easily traced and accessed through the convenient fully wrap-around, lay-in design of the ducting channels. Straight channels and various curved fittings are specifically designed to prevent fibers from violating a 30mm minimum bending radius requirement, and they also protect fibers from snagging, crimping, and stress.
The ducting system's modular design and extensive mounting kit selection enable project engineers to meet cable capacity requirements and future expansion needs using existing superstructure or cable and equipment racking. The flexibility and simplicity of our ducting system ensures cost-effective installations for new or existing cable routes in Central Offices, CEVs, Head-ends, Remote Offices, Data Centers, and Wiring Closets.

Available Size and Color Options



Material & Product Compliance

- **RoHS Compliance** : Compliant acc. to RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU
- **Flame Retardancy:** UL 94V-0 Material Rating for Flammability
- **Halogen Content** : Halogen-free in accordance with IEC 61249-2-21

Technical Features

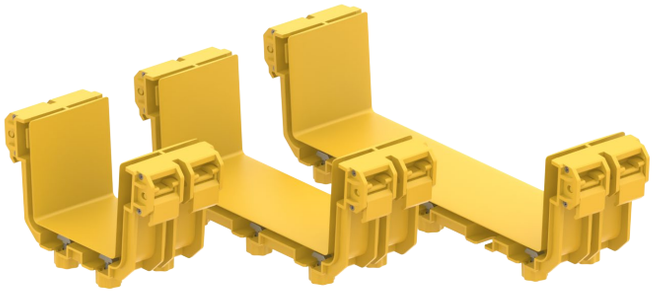
- Integrated coupling and patented mounting design
- Tool-less installation for all components and covers
- Zero Downtime. Fast and Easy Installations
- Robust and strong product design
- Versatile and various mounting kits

Material

- All Channels&Covers : PC+ABS-FR
- All Connection Accessories&Covers : PC+ABS-FR

***No FDS Ducting Solution parts contain PVC.*

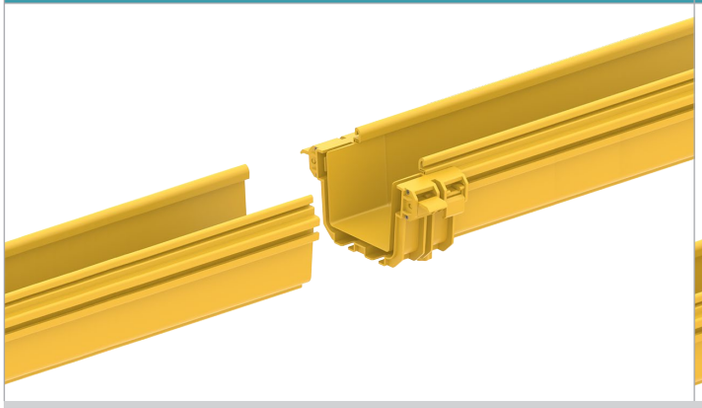
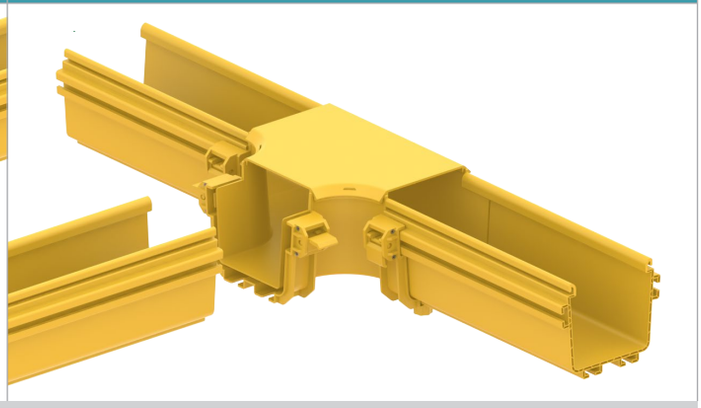
Unique and Innovative Toolless Connection System Integrated Into The Entire Structure



- No Drilling And No Punching
- No Additional Joiners Needed
- No Tools Needed
- Effortless and Time Saving
- Secure, Safe and Reusable
- Patented Mounting Clamp Design (TR 2024 020763)

PATENTED DESIGN

TR 2024 020763

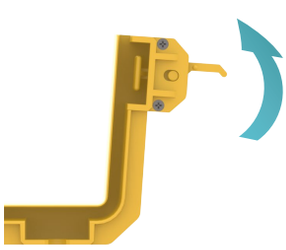
Channel to Channel Coupling	Channel to Accessories Coupling
	

The entire FDS System installation and component connections have a special design that does not require drilling and grooving.

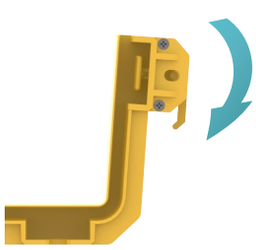
This innovative and tool-free assembly method allows safe, fast and easy installation of all channels and accessories used in the system without the need for additional parts.

There is no need for additional attachments for the connection of duct structures with accessories. The unique coupling structure integrated into the accessories provides a significant advantage in terms of total investment costs in installations as it does not require any additional attachment parts.

Clamp Function Unlocked



Clamp Function Locked



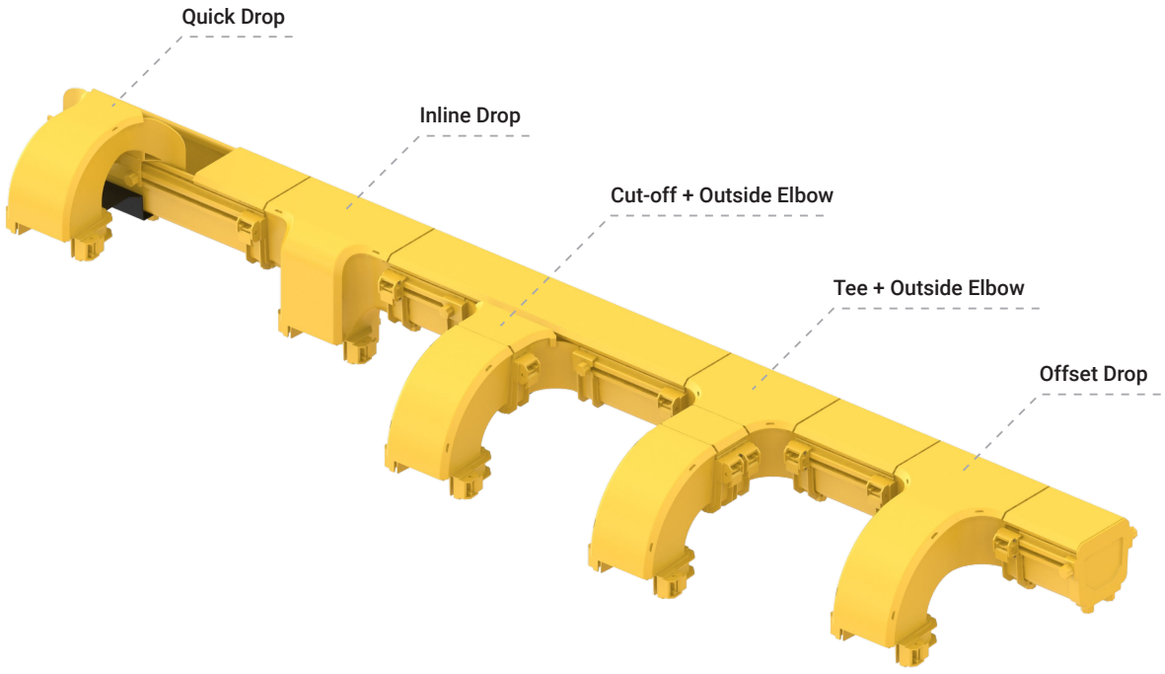
Channel Clamping



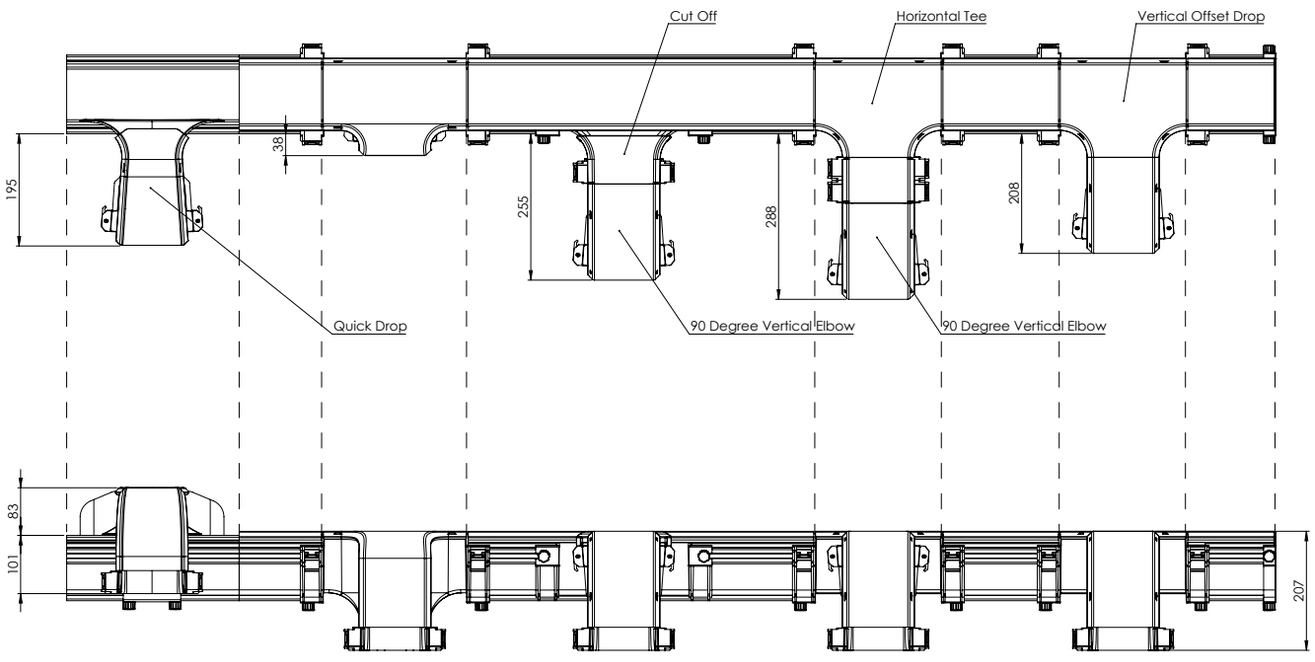
Application Engineering Notes

Off-Set Dimensions for Downspout Outlet Frames

Drop Outlet accessories can be positioned anywhere on the channel. Horizontal and vertical offset distances should be taken into account when deciding the horizontal location of the suspension or mounting systems during design. Offset distances are shown below for the size of 100 mm. These offset distances are also the same for 200mm and 300mm sizes.



Top View

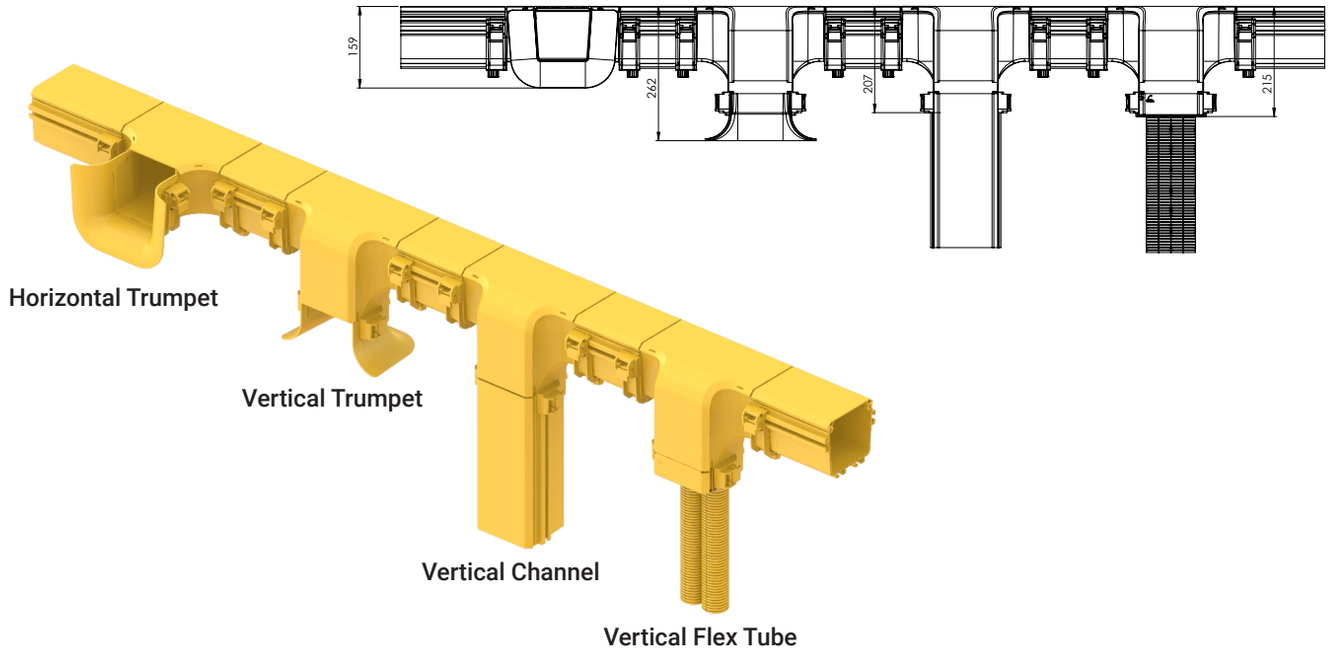


Side View

Application Engineering Notes

Downspout Options for Cable Dropping from Channels to Cabinets

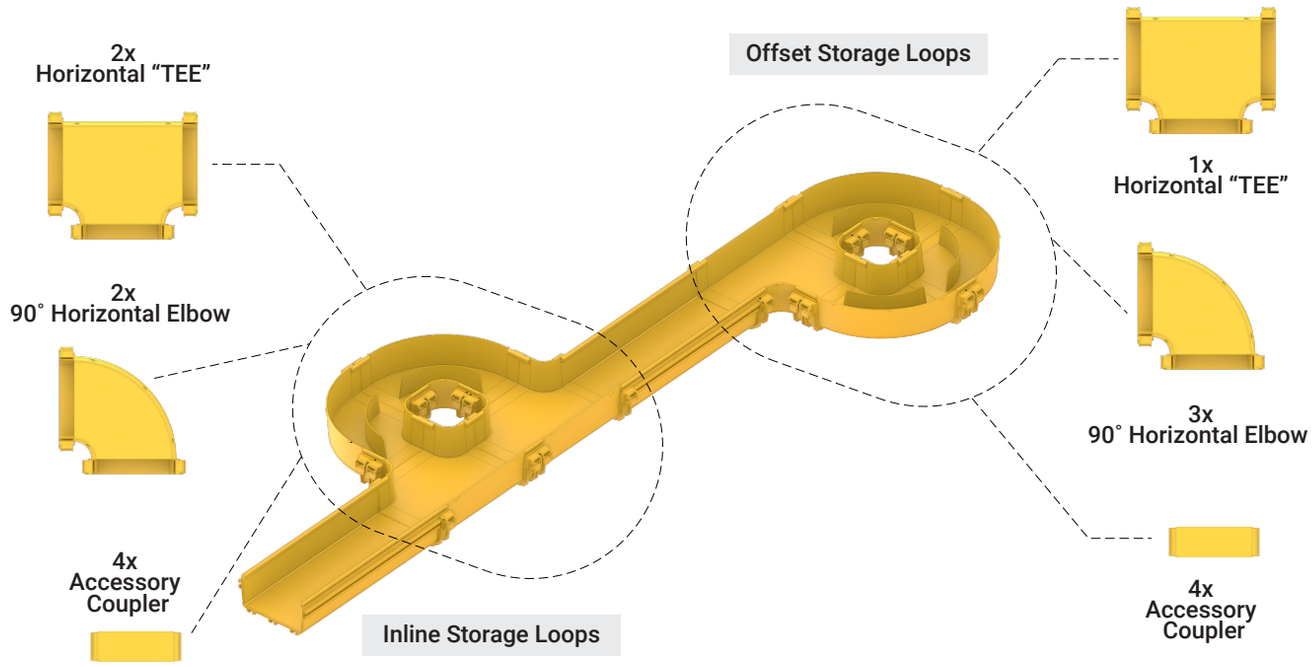
Different downspout products and accessories can be used to route the cables on the ducts into the cabinets. It may be necessary to know the vertical position distances of these products and accessories during designs. These distances are shown below for 100 mm size.These are also the same for the 200mm and 300mm sizes.



Designing Fiber Storage Loops

Fiber Storage Loops allow excess patch cord lengths to be safely stored and organized throughout the fiber duct system. Inline Storage Loops contain fiber within the duct system while the Offset Storage Loop retains fiber away from the main duct.

Please create your storage loops using the below configurations for all 100mm,200mm and 300mm sizes.



Standard Channels - 100x100mm (4"x4") / 200x100mm (8"x4") / 300x100mm (12"x4")

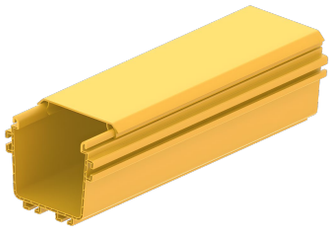
Fiber ducting systems are available in three sizes. It's crucial to choose a size that accommodates future expansion and additions to the ducting system. Too often, cable systems are undersized in an attempt to reduce installation costs. However, in today's data-driven world, this approach is a false economy. It is far more cost-effective in the long run to plan for future growth and over-specify capacity, rather than just meeting current needs.

Duct Size (Metric/Inch)	100x100x1800mm/4x4x71"		200x100x1800mm/ 8x4x71"		300x100x1800mm/ 12x4x71"	
Cable Capacities in Ducts	Capacity(ea)	Weight(kg/1.8m)	Capacity(ea)	Weight(kg/1.8m)	Capacity(ea)	Weight(kg/1.8m)
Patch cord/3.0mm (%100)	980	14,64	1913	28,59	2847	42,53
Patch cord/3.0mm (%70)	686	10,25	1339	20,01	1993	29,77
Patch cord/3.0mm (%50)	490	7,32	957	14,29	1423	21,26
Patch cord/2.0mm (%100)	2205	16,27	4305	31,77	6405	47,27
Patch cord/2.0mm (%70)	1544	11,39	3014	22,24	4484	33,09
Patch cord/2.0mm (%50)	1103	8,14	2153	15,89	3203	23,63
Patch cord/1.6mm (%100)	3445	18,60	6727	36,32	10008	54,04
Patch cord/1.6mm (%70)	2412	13,02	4709	25,43	7005	37,83
Patch cord/1.6mm (%50)	1723	9,30	3363	18,16	5004	27,02

*** The recommended capacities listed above will help prevent cable crushing and resulting damage.
*** Initial fill should be no more than 50% of capacity to accommodate future growth.

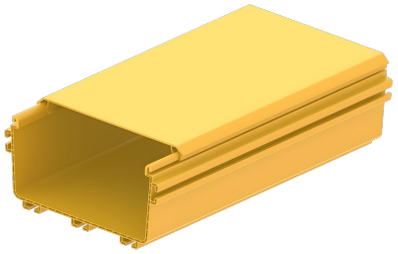
100x100mm (4x4") Channels

Description	Order Code	
	Yellow	Black
FDS_100mm Straight Solid Channel Body_1.8m	ME11001-11	ME11001-12
FDS_100mm Straight Solid Channel Cover_1.8m	ME11001-21	ME11001-22



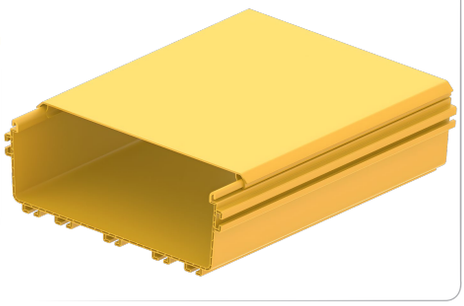
200x100mm (8x4") Channels

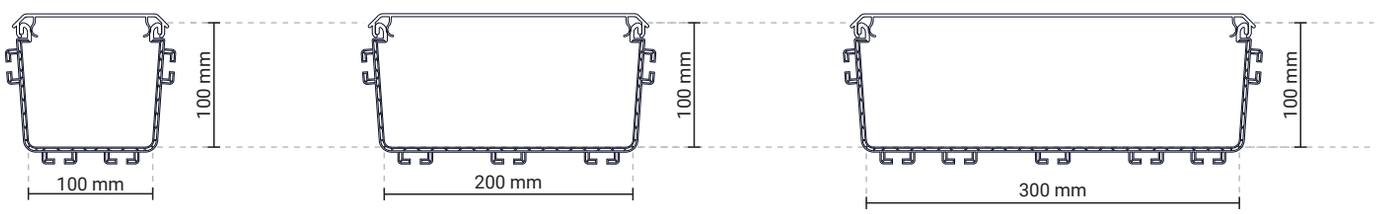
Description	Order Code	
	Yellow	Black
FDS_200mm Straight Solid Channel Body_1.8m	ME12001-11	ME12001-12
FDS_200mm Straight Solid Channel Cover_1.8m	ME12001-21	ME12001-22



300x100mm (12x4") Channels

Description	Order Code	
	Yellow	Black
FDS_300mm Straight Solid Channel Body_1.8m	ME13001-11	ME13001-12
FDS_300mm Straight Solid Channel Cover_1.8m	ME13001-21	ME13001-22

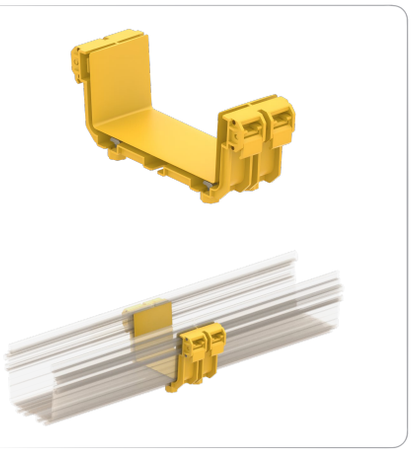




Key Products and Guidelines for Component Assembly

Channel to Channel Assembly - 100/200/300 mm

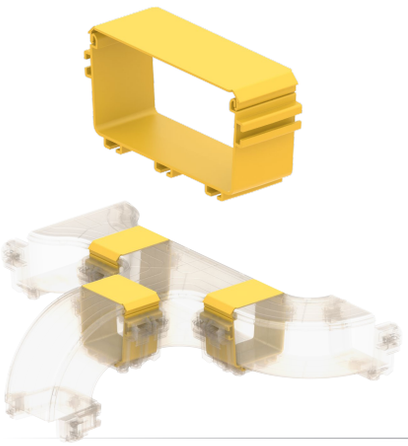
Channel couplers are used to connect channels together. The channels fit into the slots on each side of the coupler, and the clamping levers are then pressed down to secure the connection. While this setup is typically secure, it is recommended to further strengthen the assembly using Quick Knob and T-Bolt sets. These additional components can be installed easily, without the need for any tools, cutting, drilling, or slotting.



Description	Order Code	
	Yellow	Black
FDS_100mm Channel to Channel Coupler	ME11002-01	ME11002-02
FDS_200mm Channel to Channel Coupler	ME12002-01	ME12002-02
FDS_300mm Channel to Channel Coupler	ME13002-01	ME13002-02

Accessory to Accessory Assembly - 100/200/300 mm

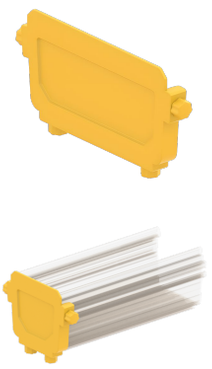
Accessory couplers are used to connect accessories together. The couplers are inserted into the slots of the connecting accessories, and the clamping levers are pressed down to secure the connection. While this setup is usually sufficient, it is recommended to further strengthen the assembly by using Quick Knob and T-Bolt sets. These can be installed easily, without the need for any tools, cutting, drilling, or slotting.



Description	Order Code	
	Yellow	Black
FDS_100mm Accessory to Accessory Coupler	ME11004-01	ME11004-02
FDS_200mm Accessory to Accessory Coupler	ME12004-01	ME12004-02
FDS_300mm Accessory to Accessory Coupler	ME13004-01	ME13004-02

End Cap Assembly to Channel - 100/200/300 mm

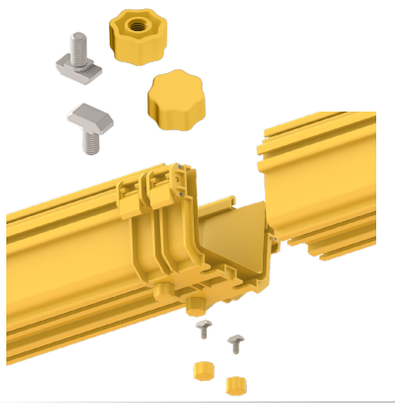
End caps are used to close the open ends of channels, either permanently or temporarily, to prevent them from remaining exposed. These end caps are installed using a knurled quick knob and T-bolt sets, ensuring a secure fit.



Description	Order Code	
	Yellow	Black
FDS_100mm Channel End Cap	ME11003-01	ME11003-02
FDS_200mm Channel End Cap	ME12003-01	ME12003-02
FDS_300mm Channel End Cap	ME13003-01	ME13003-02

Quick Knobs for T-Slotted Profile Assemblies

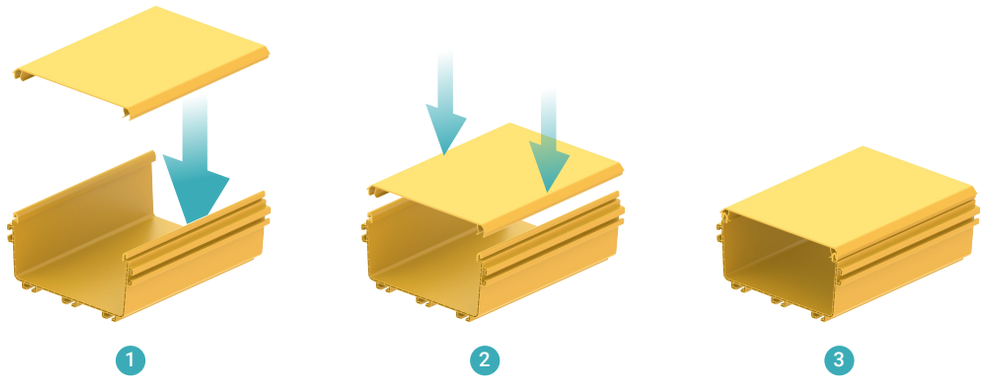
The Knurled Quick Knob with T-Bolt is designed for easy and secure connection of channels and accessories. Its knurled surface allows for quick, tool-free tightening, ensuring a strong and reliable connection. Perfect for both permanent and temporary installations, it offers a convenient solution for fastening components in a variety of applications.



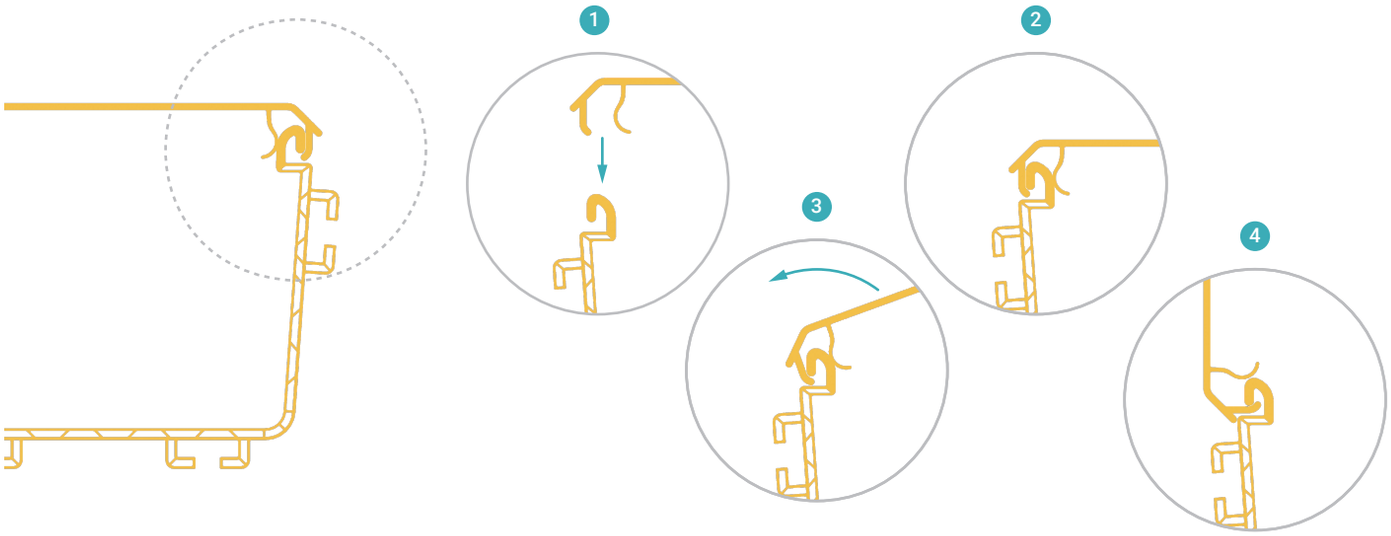
Description	Order Code	
	Yellow	Black
FDS_Knurled Quick Knob with T-Bolt, Kit of 1	ME30001-11	ME30001-12
FDS_Knurled Quick Knob with T-Bolt, Kit of 10	ME30001-21	ME30001-22

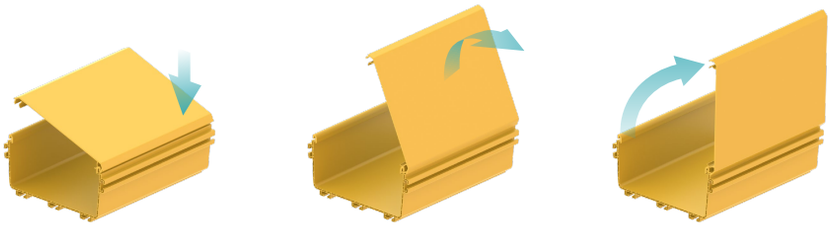
Innovative and Integrated Hinge Function on Covers

The covers are equipped with a hinge mechanism that is integrated into their structure, allowing them to open up to 90° in one direction. This innovative design enables cable installation and maintenance to be carried out inside the channel without the need to remove the covers. Since the hinge mechanism is designed to operate in a single direction, the desired opening direction must be determined before installation.



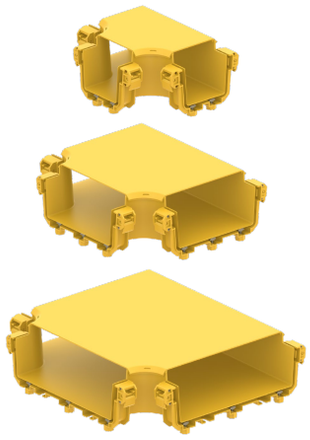
Cover Installation & Functionality Overview

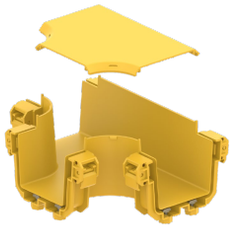


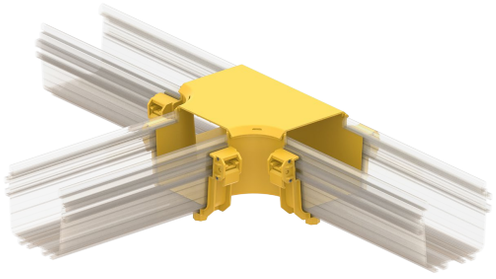
Before Mounting Decide The Opening Side	
Left Side Opening	
Place the hinge side of the cover to the left side of the channel	
Right Side Opening	
Place the hinge side of the cover to the right side of the channel	

Main Line Connections

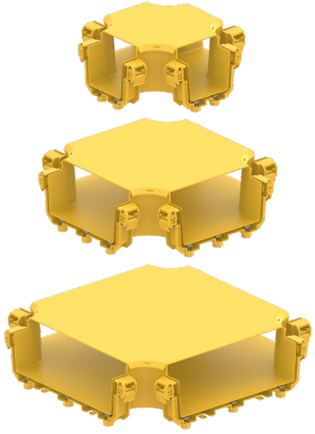
Horizontal “TEE” Connection - 100/200/300 mm

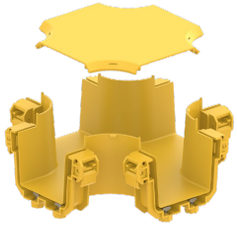
Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_100mm Horizontal "TEE" Connection Body FDS_100mm Horizontal "TEE" Connection Cover	ME11005-11 ME11005-21	ME11005-12 ME11005-22
	FDS_200mm Horizontal "TEE" Connection Body FDS_200mm Horizontal "TEE" Connection Cover	ME12005-11 ME12005-21	ME12005-12 ME12005-22
	FDS_300mm Horizontal "TEE" Connection Body FDS_300mm Horizontal "TEE" Connection Cover	ME13005-11 ME13005-21	ME13005-12 ME13005-22

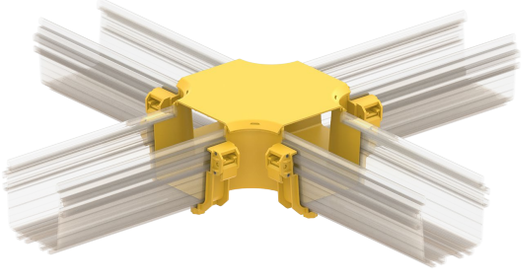




4-Way Cross Connection - 100/200/300 mm

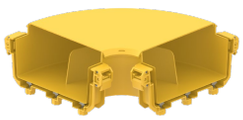
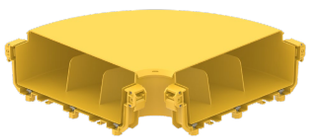
Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_100mm 4-Way Cross Connection Body FDS_100mm 4-Way Cross Connection Cover	ME11008-11 ME11008-21	ME11008-12 ME11008-22
	FDS_200mm 4-Way Cross Connection Body FDS_200mm 4-Way Cross Connection Cover	ME12008-11 ME12008-21	ME12008-12 ME12008-22
	FDS_300mm 4-Way Cross Connection Body FDS_300mm 4-Way Cross Connection Cover	ME13008-11 ME13008-21	ME13008-12 ME13008-22

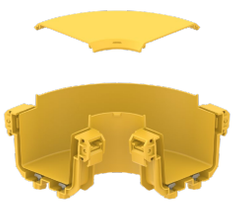


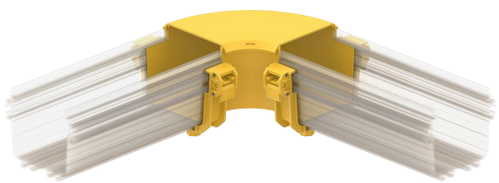


Main Line Connections

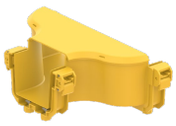
90˚ Horizontal Elbow Connection - 100/200/300 mm

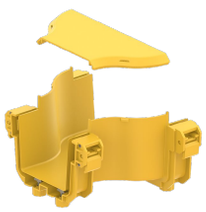
Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_100mm 90˚ Horizontal Elbow Connection Body FDS_100mm 90˚ Horizontal Elbow Connection Cover	ME11007-11 ME11007-21	ME11007-12 ME11007-22
	FDS_200mm 90˚ Horizontal Elbow Connection Body FDS_200mm 90˚ Horizontal Elbow Connection Cover	ME12007-11 ME12007-21	ME12007-12 ME12007-22
	FDS_300mm 90˚ Horizontal Elbow Connection Body FDS_300mm 90˚ Horizontal Elbow Connection Cover	ME13007-11 ME13007-21	ME13007-12 ME13007-22

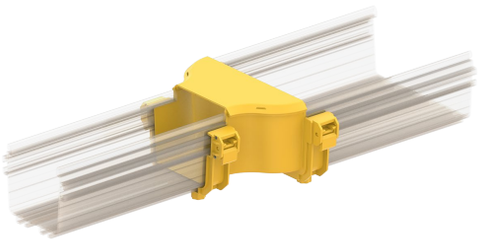




Horizontal Line Reducer Connection - 100/200/300 mm

Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_200-100mm Line Reducer Body FDS_200-100mm Line Reducer Cover	ME11011-11 ME11011-21	ME11011-12 ME11011-22
	FDS_300-200mm Line Reducer Body FDS_300-200mm Line Reducer Cover	ME12011-11 ME12011-21	ME12011-12 ME12011-22
	FDS_300-100mm Line Reducer Body FDS_300-100mm Line Reducer Cover	ME13011-11 ME13011-21	ME13011-12 ME13011-22

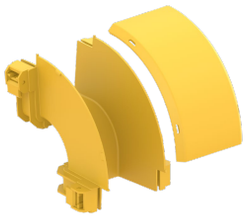




Elbow Junctions

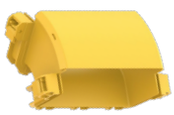
90˚ Vertical Outside Elbow Connection - 100/200/300 mm

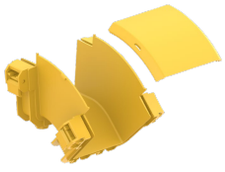
Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_100mm 90˚ Vertical Outside Elbow Body FDS_100mm 90˚ Vertical Outside Elbow Cover	ME11009-11 ME11009-21	ME11009-12 ME11009-22
	FDS_200mm 90˚ Vertical Outside Elbow Body FDS_200mm 90˚ Vertical Outside Elbow Cover	ME12009-11 ME12009-21	ME12009-12 ME12009-22
	FDS_300mm 90˚ Vertical Outside Elbow Body FDS_300mm 90˚ Vertical Outside Elbow Cover	ME13009-11 ME13009-21	ME13009-12 ME13009-22

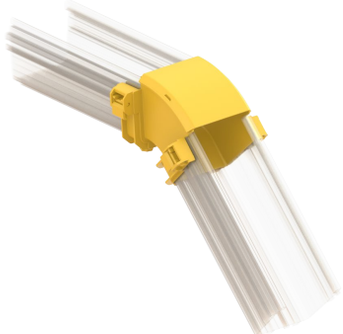




45˚ Vertical Outside Elbow Connection - 100/200/300 mm

Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_100mm 45˚ Vertical Outside Elbow Body FDS_100mm 45˚ Vertical Outside Elbow Cover	ME11019-11 ME11019-21	ME11019-12 ME11019-22
	FDS_200mm 45˚ Vertical Outside Elbow Body FDS_200mm 45˚ Vertical Outside Elbow Cover	ME12019-11 ME12019-21	ME12019-12 ME12019-22
	FDS_300mm 45˚ Vertical Outside Elbow Body FDS_300mm 45˚ Vertical Outside Elbow Cover	ME13019-11 ME13019-21	ME13019-12 ME13019-22

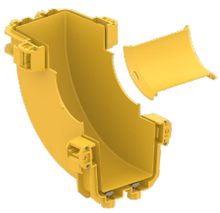


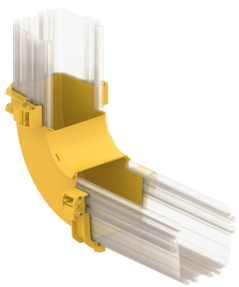


Elbow Junctions

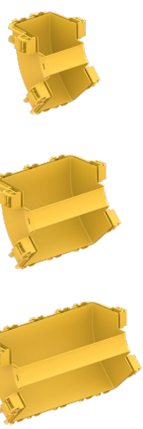
90˚ Vertical Inside Elbow Connection - 100/200/300 mm

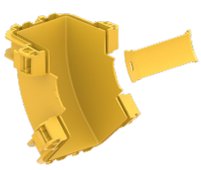
Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_100mm 90˚ Vertical Inside Elbow Body FDS_100mm 90˚ Vertical Inside Elbow Cover	ME11010-11 ME11010-21	ME11010-12 ME11010-22
	FDS_200mm 90˚ Vertical Inside Elbow Body FDS_200mm 90˚ Vertical Inside Elbow Cover	ME12010-11 ME12010-21	ME12010-12 ME12010-22
	FDS_300mm 90˚ Vertical Inside Elbow Body FDS_300mm 90˚ Vertical Inside Elbow Cover	ME13010-11 ME13010-21	ME13010-12 ME13010-22

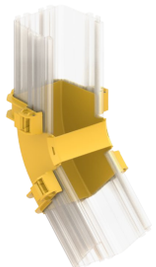




45˚ Vertical Inside Elbow Connection - 100/200/300 mm

Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_100mm 45˚ Vertical Inside Elbow Body FDS_100mm 45˚ Vertical Inside Elbow Cover	ME11020-11 ME11020-21	ME11020-12 ME11020-22
	FDS_200mm 45˚ Vertical Inside Elbow Body FDS_200mm 45˚ Vertical Inside Elbow Cover	ME12020-11 ME12020-21	ME12020-12 ME12020-22
	FDS_300mm 45˚ Vertical Inside Elbow Body FDS_300mm 45˚ Vertical Inside Elbow Cover	ME13020-11 ME13020-21	ME13020-12 ME13020-22

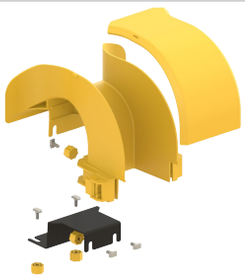


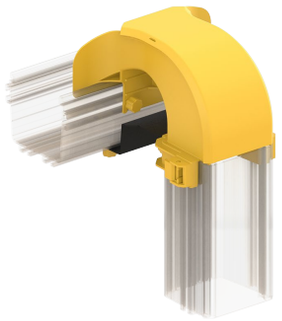


Drop Connections

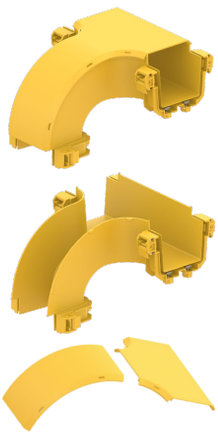
Vertical Quick Drop Connection - 100 (Fits all channel sizes)

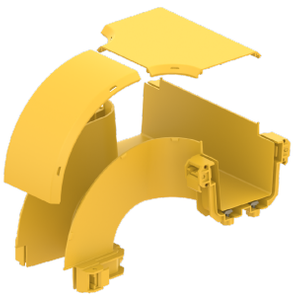
Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_100mm_Vertical Quick Drop (Body+Cover)	ME11012-01	ME11012-02
	FDS_100mm_Vertical Quick Drop Body	ME11012-11	ME11012-12
	FDS_100mm_Vertical Quick Drop Cover	ME11012-21	ME11012-22

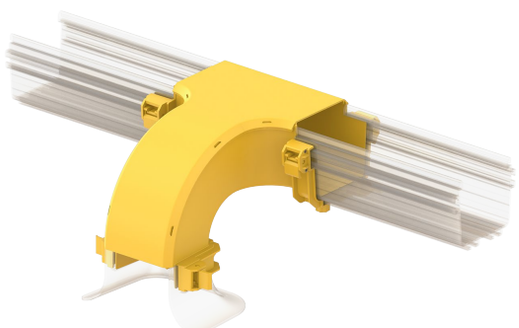




Vertical Offset Drop Connection - 100 mm

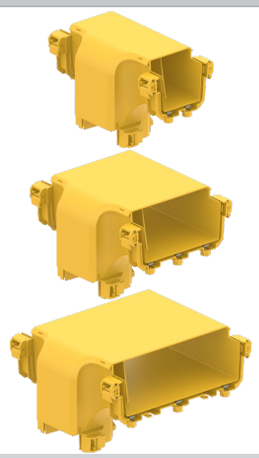
Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_100mm Vertical Offset Drop (Body + Cover)	ME11013-01	ME11013-02
	FDS_100mm Vertical Offset Drop Body	ME11013-11	ME11013-12
	FDS_100mm Vertical Offset Drop Cover Set	ME11013-21	ME11013-22

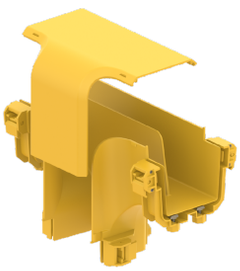


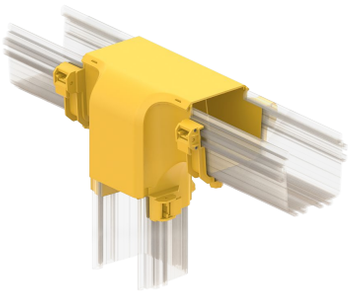


Drop Connections

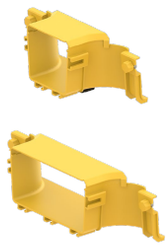
Vertical Line Drop Connection - 100/200/300 mm

Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_100-100mm Vertical Line Drop Body FDS_100-100mm Vertical Line Drop Cover	ME11014-11 ME11014-21	ME11014-12 ME11014-22
	FDS_200-100mm Vertical Line Drop Body FDS_200-100mm Vertical Line Drop Cover	ME12014-11 ME12014-21	ME12014-12 ME12014-22
	FDS_300-100mm Vertical Line Drop Body FDS_300-100mm Vertical Line Drop Cover	ME13014-11 ME13014-21	ME13014-12 ME13014-22

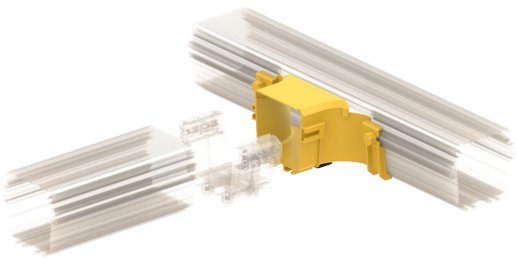




Side Cut-Off Connection - 100/200 mm (Fits all channel sizes)

Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_100mm Horizontal Cut-Off Connection Body FDS_100mm Horizontal Cut-Off Connection Cover	ME11006-11 ME11006-21	ME11006-12 ME11006-22
	FDS_200mm Horizontal Cut-Off Connection Body FDS_200mm Horizontal Cut-Off Connection Cover	ME12006-11 ME12006-21	ME12006-12 ME12006-22



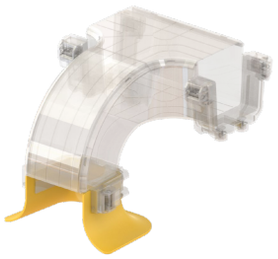


Drop Connection Accessories

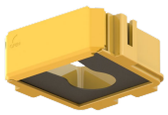
Outlet Bend Radius Trumpet - 100/200/300 mm

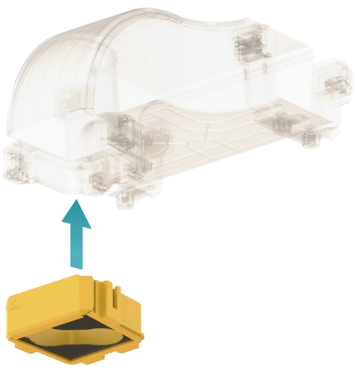
Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_100mm Outlet Bend Radius Trumpet	ME11015-01	ME11015-02
	FDS_200mm Outlet Bend Radius Trumpet	ME12015-01	ME12015-02
	FDS_300mm Outlet Bend Radius Trumpet	ME13015-01	ME13015-02

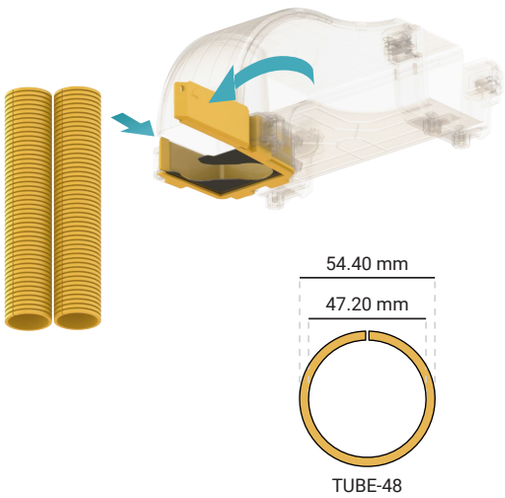




Outlet Flex Tube and Adapters - 100 mm

Product Illustration	Description	Order Code	
		Yellow	Black
 	FDS_100mm-1x48mm Outlet Flex Tube Adapter	ME11016-01	ME11016-02
 	FDS_100mm-2x48mm Outlet Flex Tube Adapter	ME11016-31	ME11016-32
	Single Wall Slit Flex Tube-48_1M	ME30002-11	ME30002-12

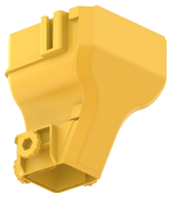


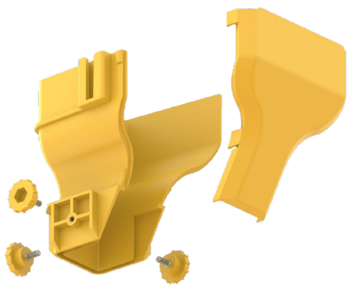




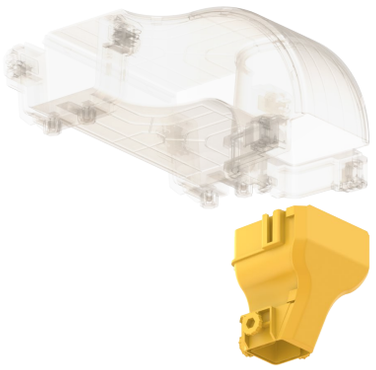
Drop Connection Accessories

New-Gen Reducer & Flex Tube Adapter - 100 mm

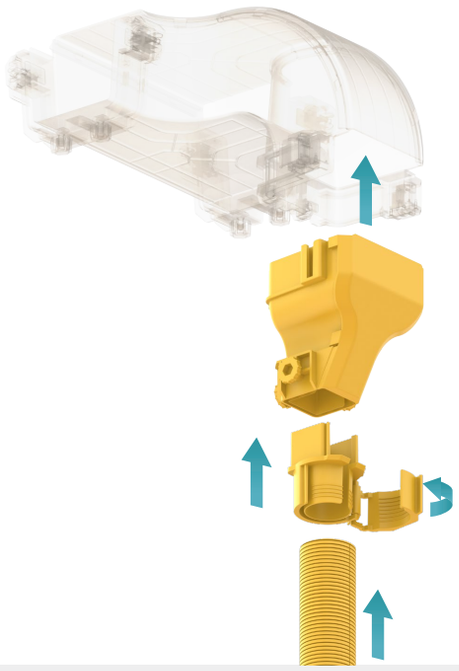
Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_100/50mm Line Reducer Body_YE FDS_100/50mm Line Reducer Cover_YE	ME10511-11 ME10511-21	ME10511-12 ME10511-22
	FDS_1x48mm Clamped Type Flex Tube Adapter	ME10516-01	ME10516-02
	Single Wall Slit Flex Tube-48_1M Single Wall Slit Flex Tube-2x50_1M	ME30002-11 ME30002-11	ME30002-12 ME30002-11

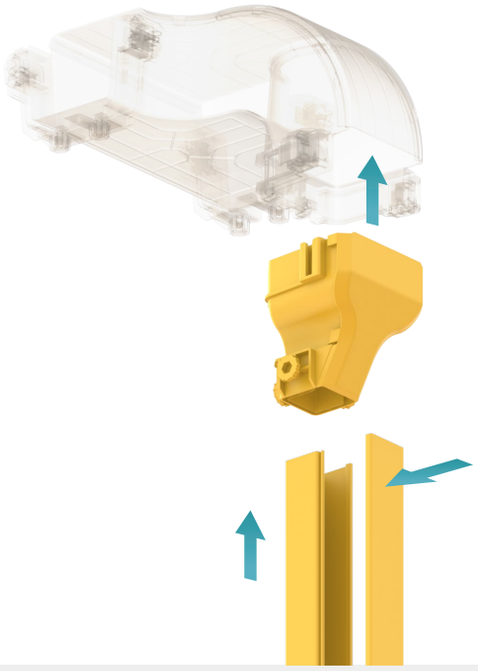


Reducer to Flex Tube Assembly



Reducer to Channel Direct Assembly



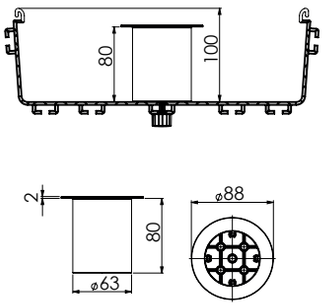


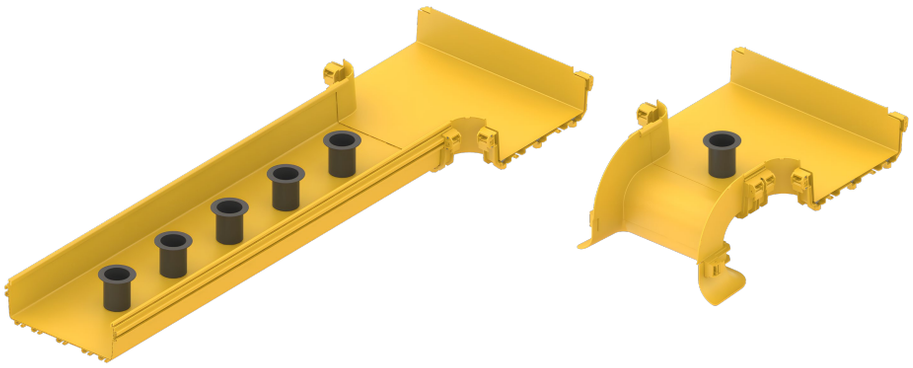
Accessories

Cable Management Spools for Guiding or Storage

The fiber management spool has been designed for excess cable storing and cable orientation on accessories.This product is sold as a separate set to enable on-site use in field applications. The installation is made by drilling on the channel or accessories.

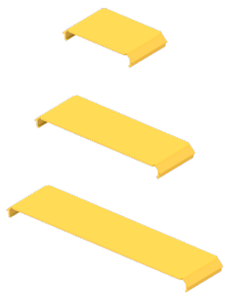
Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_88-63mm Cable Management Spool, Kit of 1	ME30004-11	ME30004-12
	FDS_88-63mm Cable Management Spool, Kit of 10	ME30004-21	ME30004-22

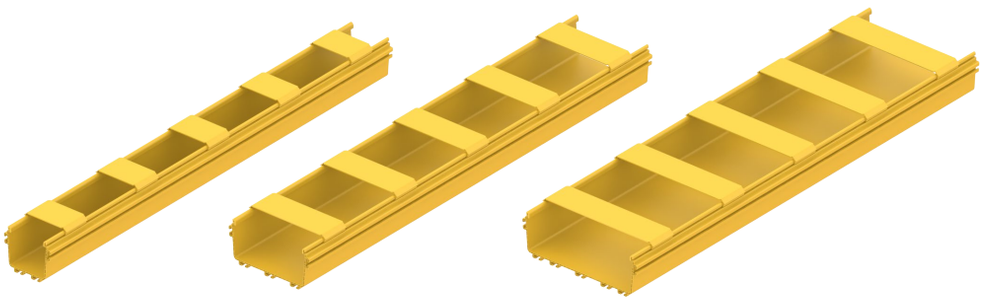




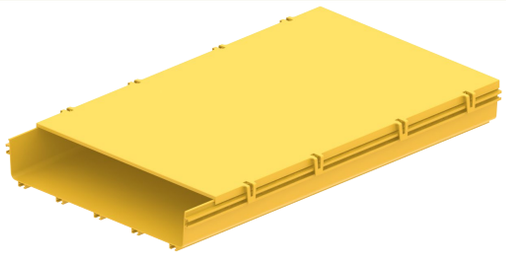
Flex Channel Covers - 100/200/300 mm

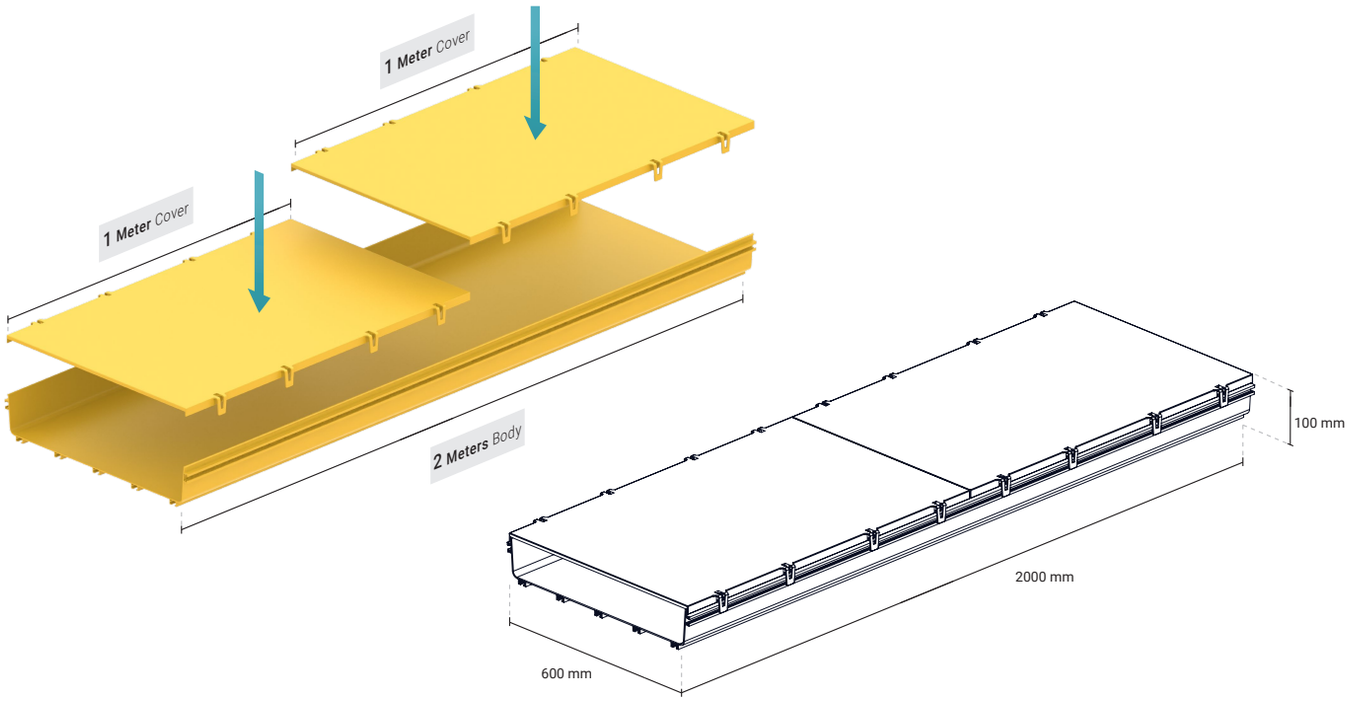
In cases where the use of fully enclosed channel cover structures are not desired, 79mm wide flex channel covers can be applied on the cable channels in the required quantities and positions. In this way, the cables are protected within the channel without completely closing the cable channels

Product Illustration	Description	Order Code	
		Yellow	Black
	FDS_100mm Flex Channel Cover_79mm, Kit of 5	ME11018-01	ME11018-02
	FDS_200mm Flex Channel Cover_79mm, Kit of 5	ME12018-01	ME12018-02
	FDS_300mm Flex Channel Cover_79mm, Kit of 5	ME13018-01	ME13018-02



Wide Channels - 600x100mm (24”x4”)

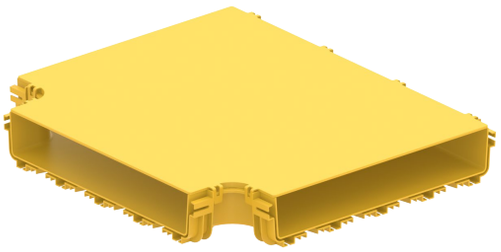
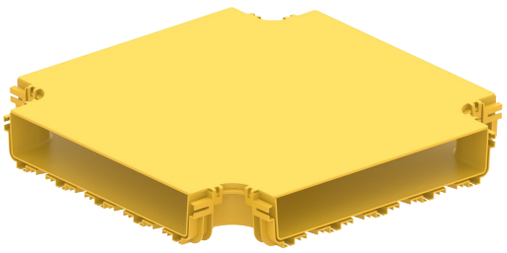
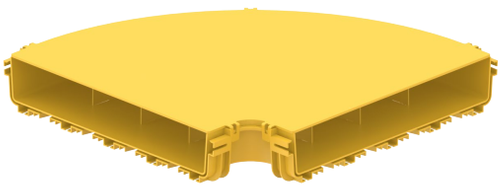
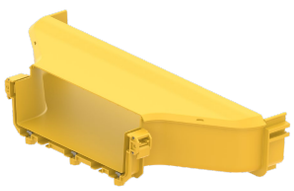
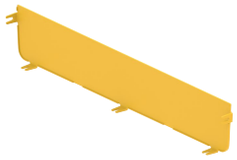
Product Illustration	Description	Order Code	
		Yellow	Black
Straight Channel - 600x100mm (24x4”)			
	FDS_600mm Straight Solid Channel Body_2.0m FDS_600mm Straight Solid Channel Cover_1.0m	ME16001-11 ME16001-21	ME16001-12 ME16001-22



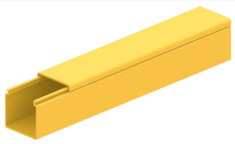
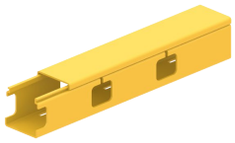
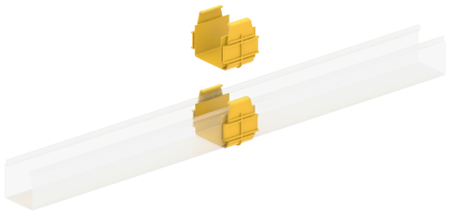
Cable Fill Capacity

Duct Size (Metric/Inch)	600x100x2000mm/ 24x4x78”	
Cable Capacities in Ducts	**Capacity(ea)**	**Weight(kg/2m)**
Patch cord/3.0mm (%100)	5623	84.01
Patch cord/3.0mm (%70)	3936	58.81
Patch cord/3.0mm (%50)	2812	42.01
Patch cord/2.0mm (%100)	12653	93.38
Patch cord/2.0mm (%70)	8857	65.36
Patch cord/2.0mm (%50)	6326	46.69
Patch cord/1.6mm (%100)	19770	106.76
Patch cord/1.6mm (%70)	13839	74.73
Patch cord/1.6mm (%50)	9885	53.38

Main Line Connections - 600 mm

Product Illustration	Description	Order Code	
		Yellow	Black
Horizontal “TEE” Connection - 600 mm			
	FDS_600mm Horizontal "TEE" Connection Body FDS_600mm Horizontal "TEE" Connection Cover	ME16005-11 ME16005-21	ME16005-12 ME16005-22
4-Way Cross Connection - 600 mm			
	FDS_600mm 4-Way Cross Connection Body FDS_600mm 4-Way Cross Connection Cover	ME16008-11 ME16008-21	ME16008-12 ME16008-22
Horizontal Elbow Connection - 600 mm			
	FDS_600mm 90˚ Horizontal Elbow Connection Body FDS_600mm 90˚ Horizontal Elbow Connection Cover	ME16007-11 ME16007-21	ME16007-12 ME16007-22
Horizontal Line Reducer Connection - 600 mm			
	FDS_600/300mm Line Reducer Body FDS_600/300mm Line Reducer Cover	ME16011-11 ME16011-21	ME16011-12 ME16011-22
Junction Coupler - 600 mm			
	FDS_600mm Channel to Channel Coupler	ME16002-01	ME16002-02
End Cap - 600 mm			
	FDS_600mm Channel End Cap	ME16003-01	ME16003-02
Plastic Bolt & Nut Set			
	FDS_Plastic Head Screw with Nut for 600mm, Kit of 1_YE	ME30001-41	ME30001-42

Compact Channels - 50x50mm (2”x2”)

Product Illustration	Description	Order Code	
		Yellow	Black
Straight Channel - 50 mm			
	FDS_50mm Straight Solid Channel Body_2.0m	ME10501-11	ME10501-12
	FDS_50mm Straight Solid Channel Cover_2.0m	ME10501-21	ME10501-22
	FDS_50mm Straight Solid Channel Body With Cover _2.0m	ME10501-01	ME10501-02
Straight Slotted Channel - 50 mm			
	FDS_50mm Slotted Vertical Organizer Body_YE_2.0m	ME10501-31	ME10501-32
	FDS_50mm Slotted Vertical Organizer Body With Cover_2.0m	ME10502-01	ME10502-02
Junction Coupler - 50 mm			
	FDS_50mm Channel to Channel Coupler	ME10503-01	ME10503-02

Cable Fill Capacity

Duct Size (Metric/Inch)	50x50x2000mm/2x2x78”	
Cable Capacities in Ducts	**Capacity(ea)**	**Weight(kg/2m)**
Patch cord/3.0mm (%100)	190	2.84
Patch cord/3.0mm (%70)	133	1.99
Patch cord/3.0mm (%50)	95	1.42
Patch cord/2.0mm (%100)	428	3.15
Patch cord/2.0mm (%70)	299	2.21
Patch cord/2.0mm (%50)	214	1.58
Patch cord/1.6mm (%100)	668	3.61
Patch cord/1.6mm (%70)	468	2.52
Patch cord/1.6mm (%50)	334	1.80

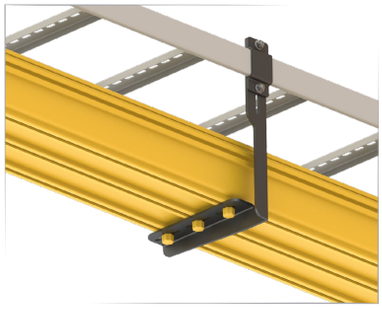
Hardware and Mounting Kits

“L” Shaped Ladder Rack Mounting Kits - 100/200/300 mm

Product Illustration	Description	Order Code
	FDS_100mm “ L ” Shaped Ladder Rack Mounting Kits	ME21003-02
	FDS_200mm “ L ” Shaped Ladder Rack Mounting Kits	ME22003-02
	FDS_300mm “ L ” Shaped Ladder Rack Mounting Kits	ME23003-02

Technical Notes
• Brackets are recommended every 900 mm for direct channel mounting.

Content Notes
• Quick Knob + T-bolt sets are included in the kits.



“C” Shaped Mounting Kits - 100/200/300 mm

Product Illustration	Description	Order Code
	FDS_100mm “ C ” Shaped Mounting Kits	ME21013-02
	FDS_200mm “ C ” Shaped Mounting Kits	ME22013-02
	FDS_300mm “ C ” Shaped Mounting Kits	ME23013-02

Technical Notes
• Brackets are recommended every 900 mm for direct channel mounting.

Content Notes
• Quick Knob + T-bolt sets are included in the kits.



Hardware and Mounting Kits

Central Supported Mounting Brackets - 100/200/300 mm

Product Illustration	Description	Order Code
	FDS_100mm Center Supported Mounting Bracket	ME21004-02
	FDS_200mm Center Supported Mounting Bracket	ME22004-02
	FDS_300mm Center Supported Mounting Bracket	ME23004-02

Technical Notes
- *Suitable for M14 and M16 threaded rod.*
- *Brackets are recommended every 900 mm for direct channel mounting.*

Content Notes
- *Threaded rods and nuts are purchased separately.*
- *Quick Knob + T-bolt sets are included in the kits.*



Single Rod Suspension Brackets - 100/200/300 mm

Product Illustration	Description	Order Code
	FDS_100mm Single Rod Suspension Bracket	ME21006-02
	FDS_200mm Single Rod Suspension Bracket	ME22006-02
	FDS_300mm Single Rod Suspension Bracket	ME23006-02

Technical Notes
- *Suitable for M14 and M16 threaded rod.*
- *Brackets are recommended every 900 mm for direct channel mounting.*

Content Notes
- *Threaded rods and nuts are purchased separately.*
- *Quick Knob + T-bolt sets are included in the kits.*



Hardware and Mounting Kits

Double Rod Suspension Brackets - 100/200/300 mm

Product Illustration	Description	Order Code
	FDS_100mm Double Rod Suspension Bracket	ME21005-02
	FDS_200mm Double Rod Suspension Bracket	ME22005-02
	FDS_300mm Double Rod Suspension Bracket	ME23005-02

Technical Notes
• Suitable for M14 and M16 threaded rod.
• Brackets are recommended every 900 mm for direct channel mounting.

Content Notes
• Threaded rods and nuts are purchased separately.
• Quick Knob + T-bolt sets are included in the kits.



Double Rod Suspension Bracket - 600 mm

Product Illustration	Description	Order Code
	FDS_600mm Double Rod Suspension Bracket	ME26005-02

Technical Notes
• Brackets are recommended every 900 mm for direct channel mounting.

Content Notes
• Quick Knob + T-bolt sets are included in the kits.

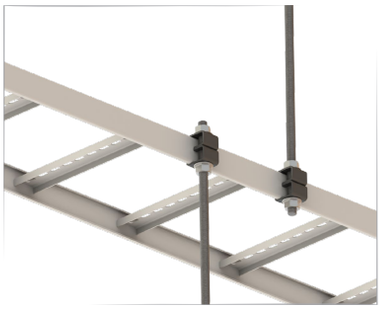


Ladder Mounting Suspension Clamp

Product Illustration	Description	Order Code
	FDS_Ladder Suspension Quick Clamp Set for M14 Rod and 50mm Ladder_BK	ME23008-12
	FDS_Ladder Suspension Quick Clamp Set for M16 Rod and 50mm Ladder_BK	ME23008-22

Technical Notes
- *Suitable for M14 and M16 threaded rod.*
- *Brackets are recommended every 900 mm for direct channel mounting.*

Content Notes
- *The steel nut sets are included in the kits.*
- *Threaded rods and nuts are purchased separately.*



Hardware and Mounting Kits

Threaded Rods

Product Illustration	Description	Order Code
	FDS_Galvanized Steel M14 Threaded Rod, 1M	ME20009-10
	FDS_Galvanized Steel M16 Threaded Rod, 1M	ME20009-20

Flanged Nuts

Product Illustration	Description	Order Code
	FDS_DIN 6923 Galvanized Steel M14 Flanged Nut, Kit of 1	ME20010-10
	FDS_DIN 6923 Galvanized Steel M14 Flanged Nut, Kit of 10	ME20010-20
	FDS_DIN 6923 Galvanized Steel M16 Flanged Nut, Kit of 1	ME20010-30
	FDS_DIN 6923 Galvanized Steel M16 Flanged Nut, Kit of 10	ME20010-40

Hook & Loop Cable Ties

This cable tie offers a soft bundling method and is ideal for use on telephone cables, optical fiber and network cables. These kind of ties can be reopened and reused many times. A perfect solution for temporary installations and cable management for stage equipment, at outdoor events or for prototype harnessing. Also suitable for use in private or office applications.

- Quick and simple to use without tools
- Easy to release and reuse
- Can be attached to the bundle permanently
- Ideal for applications requiring frequent cabling moves, adds
- or changes
- Black Color

Product Illustration	Description	Order Code
	9mm x 15,2 CM Hook and Loop Tie	HT00355

Velcro Grip tie Roll

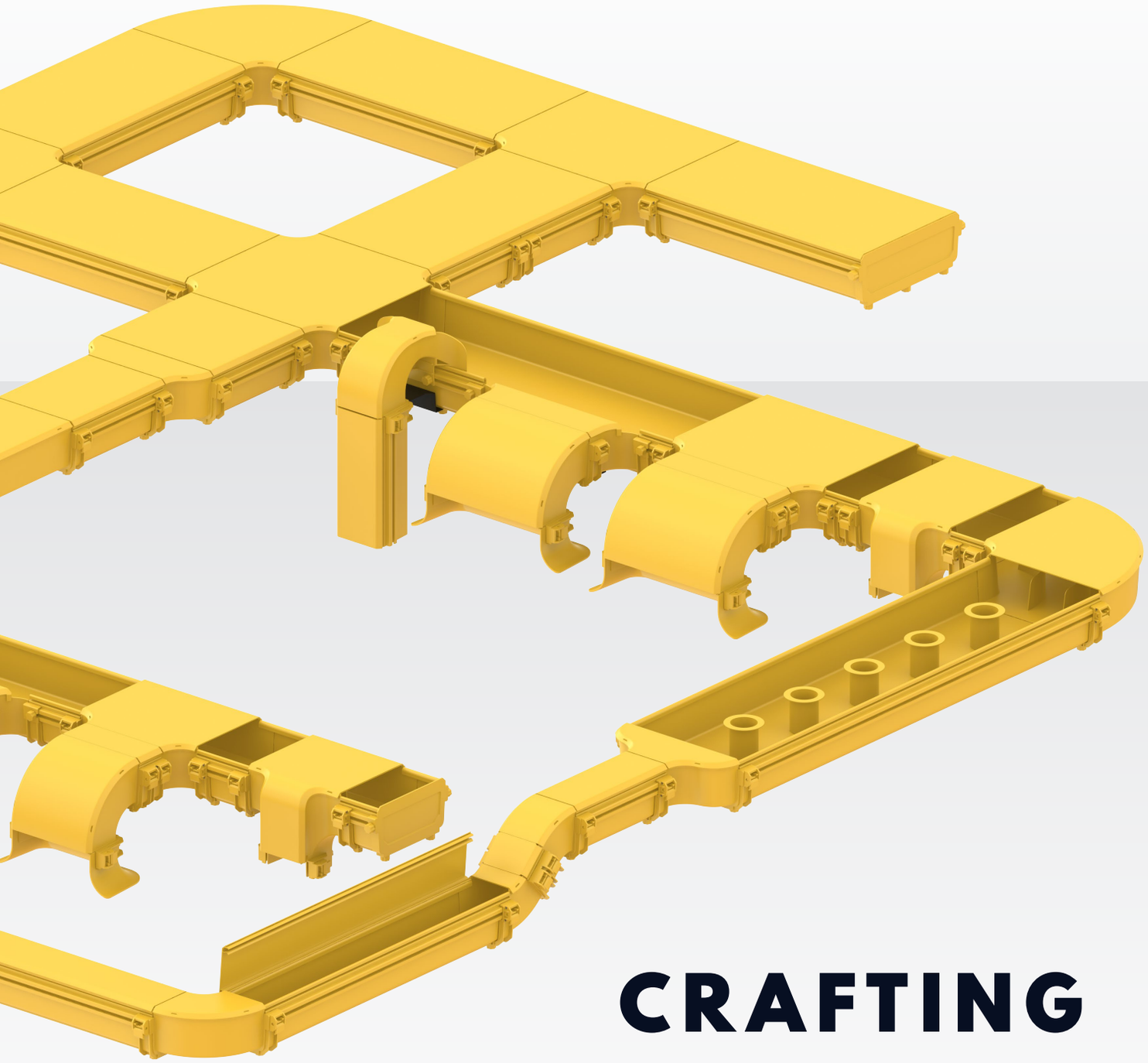
This velcro tape offers a soft bundling method and is ideal for use on telephone cables, optical fiber and network cables. These kind of velcro tapes can be reopened and reused many times. A perfect solution for temporary installations and cable management for stage equipment, at outdoor events or for prototype harnessing. Also suitable for use in private or office applications.

- Quick and simple to use without tools
- Double sided hook and loop grip structure
- Can be used with different diameter bundles cutting into different lengths
- Easy to release and reuse
- Can be attached to the bundle permanently
- Ideal for applications requiring frequent cabling moves, adds or changes
- Black Color

Product Illustration	Description	Order Code
	13mm X50m Grip Tie Roll	HT02384

New Generation Plastic Cable Raceways for Data Centers





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