

### GigaDuct - Fibre Raceway System

#### Vertical Inside Elbows - 45° and 90°

#### Application/Product Description

Inside elbows create a vertical upward transition. Available with a 45° or 90° bend. Supplied with or without covers.

\*The 300mm 90° vertical elbow is constructed from 2 45° elbows and a joining kit. This will be supplied fully assembled for ease of installation.

#### Features and Benefits:

- Supplied with or without cover
- For creating vertical upward routing transitions from horizontal routes
- Available in 45° or 90° bends
- Segregates fibre optic cable from other media to provide flexibility for future additions or changes
- Fully encloses cables to keep out dirt and dust as the fibre is routed through different areas of the data centre
- Protects cables by maintaining proper bend radius, preventing micro bends and macro bends that degrade performance.
- Maintains attractive aesthetics by enclosing cables throughout the facility

#### Technical Specifications:

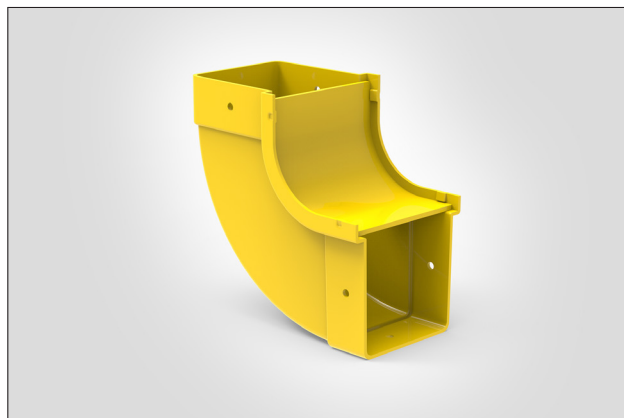
**Product Type:** Elbow

**Colour:** Yellow

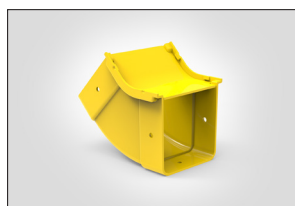
**Material:** Halogen-free

#### Material Standards:

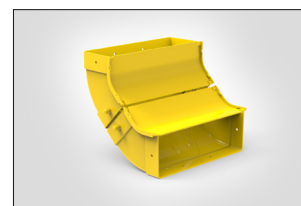
- EN 61249-2-21, IEC 61249-2-21: Non-halogenated Material
- EN 60695-11-10, IEC 60695-11-10: Fire hazard testing
- UL94/V0 plastic flame-retardant
- Directive 2015/65/EU RoHS Compliant
- EC 1907/2006 REACH Compliant
- Suitable for riser and general-purpose applications



100mm Vertical 90° inside elbow.



100mm Vertical 45° inside elbow.



2 x 300mm Vertical 45° inside elbow.

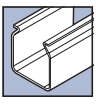


#### Performance Standards:

- EN 62368-1, IEC 62368-1: Safety Standard
- ANSI/TIA-942-B, Telecommunications Infrastructure Standard for Data Centres
- ANSI/TIA-569-B, Commercial Building Standard for Telecommunications Pathways and Spaces
- ANSI/UL 2024, Cable Routing Assemblies and Communications Raceways
- CAN/ULC-S143, Standard Method of Fire Tests for Non-Metallic Electrical and Optical Fibre Cable Raceway Systems
- NFPA 70 National Electrical Code (NEC)
- CSA C22.1 Canadian Electrical Code Part 1

PART CODE	Angle	Cover	DUCT SIZE	Width (W)	Height (H)	Length (L)	UNS
LG-BVID45-YL	45°	Yes	50	76	95	123	181-00329
LG-BVIC45-YL			100	126	153	176	181-00328
LG-BVIB45-YL			200	226	153	176	181-00327
LG-BVIA45-YL			300	326	155	183	181-00326
LG-BVID45-YL-N	45°	No	50	76	95	123	855-05052
LG-BVIC45-YL-N			100	126	153	176	855-05053
LG-BVIB45-YL-N			200	226	153	176	855-05054
LG-BVIA45-YL-N			300	326	155	183	855-05055

All measurements are in mm unless otherwise stated.

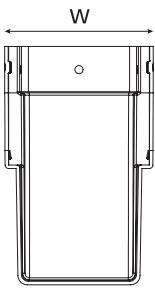


PART CODE	Angle	Cover	DUCT SIZE	Width (W)	Height (H)	Length (L)	UNS
LG-BVID90-YL	90°	Yes	50	76	141	141	181-00332
LG-BVIC90-YL			100	127	205	209	181-00331
LG-BVIB90-YL			200	230	193	193	181-00330
LG-BVIA90-YL			300	326	264	264	855-05056
LG-BVID90-YL-N	90°	No	50	76	141	141	855-05057
LG-BVIC90-YL-N			100	127	205	209	855-05058
LG-BVIB90-YL-N			200	230	193	193	855-05059
LG-BVIA90-YL-N			300	326	264	264	855-05060

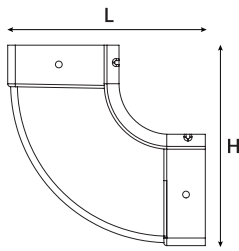
All measurements are in mm unless otherwise stated.

### Technical Diagrams:

#### 100x100mm Vertical 90° Inside Elbow.

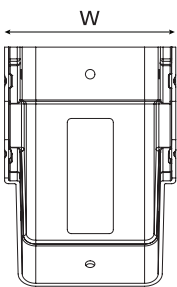


Front View

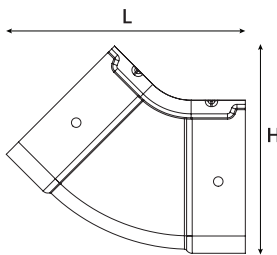


Top View

#### 100x100mm Vertical 45° Inside Elbow.



Front View



Top View