Beta Industrial LLC, a leader in the field of manufacturing Air Terminal Devices, is located in the Awer Industrial area of Dubai, and is a mere 10 minutes drive from the Dubai International Airport. It is a part of the Beta group of Companies which is one of the fastest growing Commercial Enterprises with large Import, Export and Manufacturing activities in the United Arab Emirates.

**Beta Group comprises of:**
- Beta Industrial LLC
- Beta Information Technology LLC
- Precision Industries
- M.M.AI Daour factory – Saudi Arabia
- Dar Beta – Saudi Arabia

**Beta Industrial LLC, Established in the year 1989,**

Manufactures:
- Grills, Diffusers - Tested to ETL Standard in accordance with Air Diffusion Council Code ADC 1062: GRD-84.
- VCD’s
- Access Doors
- Sound Attenuators - under license from Howden Donkin (South Africa)
- Fire Dampers - UL Listed and approved by U.A.E Civil Defense.
- SuperVent - Single & Twin Insulated Cabinet Fans.
- ‘Beta’ - Cable Trays & GI Trunking.
- Netrack - Networking Cabinets.

The entire operation is certified under ISO 9001.

**Designs & Supplies**
- Prazisa (Germany) - Central Battery Emergency Lighting Systems
- Clipsal (Australia) - Lighting Control Systems
- PCE (Canada) - UPS Systems.
- Airzone (Spain) - Zonification Systems.

**Provides Domestic, Industrial Ventilation solutions, Equipments & Accessories from:**
- Howden Donkin (South Africa) - Smoke & industrial exhaust fans
- Vortice (Italy) - Domestic ventilation fans
- AFS (Turkey) - Flexible ducts & ducts connectors

**Stocks & Distributes in U.A.E**
- Clipsal (U.A.E.) - PVC Conduits & Accessories.
- Schneider (Germany) - Switch, Sockets & Accessories.
- Begelli (Italy) - Stand alone emergency lights.

Products manufactured by Beta are sold throughout the UAE and exported to over 40 countries throughout the world. To provide better service, Beta has a branch office in Abu Dhabi and distributors in several other countries.

Beta Products are specified by many Consultants and have been installed in many Prestigious Projects – Various Emaar and Nakheel properties like Arabian Ranches, Meadows, Green Community, some towers in the Burj Dubai district and Palm Island Projects, Dubai Airshow & Duty Free Complex, American Hospital, Etisalat Headquarters in Fujairah/RAK/Al Ain, Marina Mall, Festival, International and Internet Cities, Burj Dubai (OTCI), Madinat Jumeirah several projects along the Dubai Marina, etc. to name a few.

The team of Beta is always ready to assist in giving competitive offers and fast delivery programs. Contact can be made either through phone or fax or e-mail or directly over the mobile telecom system. Call upon us and we will do the rest.

**THE BETA POLICY**

“We are committed to satisfying our customers and continually improving our Quality, by supplying Products and Services without defects, conforming to well defined requirements, by means of a defect prevention system applied by all Employees, dedicated to doing things right, from the first time.”
index

>> STEEL CABLE TRAY TYPICAL LAYOUT 01
>> MEDIUM/HEAVY DUTY CABLE TRAYS 02
>> STEEL PERFORATED CABLE TRAY 03 - 05
>> ACCESSORIES FOR CABLE TRAYS 06
>> GI CABLE TRUNKING SYSTEMS 07
>> GI CABLE TRUNKING SYSTEMS ACCESSORIES 08
>> GI CABLE TRUNKING SYSTEMS STANDARD & FINISHING 09
>> U CHANNELS 09
>> GI ADAPTABLE BOX 09
* “Technical specification subject to change without prior notice”
* “All dimensions and finishing details to be reconfirmed at the ordering time”
MEDIUM DUTY CABLE TRAYS

Beta Cable Tray System
Cable Tray / Medium Duty 25 mm flange height

Beta Medium duty cable trays are ideal for use in situations where moderate strength and rigidity are required. Cable trays have continuous perforations in the bottom and sides.

Perforated (Ventilated) & Non-Perforated (Closed) Covers for cable trays and accessories are available on request.

- Length 2.44 mtr./3mtr. as per site requirement.
- Trays can be manufactured to any size and thickness based on site requirement.
B) Pre-galvanised mild steel to BS en I0143-2003 as standard.
C) Epoxy powder Coated BS6920.
D) Other Finishing can be provided upon request.

<table>
<thead>
<tr>
<th>Width mm</th>
<th>Sheet Thickness mm</th>
<th>Side Height mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>0.90</td>
<td>25</td>
</tr>
<tr>
<td>75</td>
<td>0.90</td>
<td>25</td>
</tr>
<tr>
<td>100</td>
<td>0.90</td>
<td>25</td>
</tr>
<tr>
<td>150</td>
<td>0.90</td>
<td>25</td>
</tr>
<tr>
<td>225</td>
<td>0.90</td>
<td>25</td>
</tr>
<tr>
<td>300</td>
<td>1.2</td>
<td>25</td>
</tr>
<tr>
<td>450</td>
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<td>25</td>
</tr>
<tr>
<td>600</td>
<td>1.5</td>
<td>25</td>
</tr>
<tr>
<td>750</td>
<td>1.5</td>
<td>25</td>
</tr>
<tr>
<td>900</td>
<td>1.5</td>
<td>25</td>
</tr>
</tbody>
</table>

* Other type flange profile available upon request.

HEAVY DUTY CABLE TRAYS

Beta Cable Tray System
Cable Tray / Heavy Duty 50 mm flange height

Beta Medium duty cable trays are ideal for use in situations where greater strength and rigidity are required. Cable trays have continuous perforations in the bottom and sides.

Perforated (Ventilated) & Non-Perforated (Closed) Covers for cable trays and accessories are available on request.

- Length 2.44 mtr./3mtr. as per site requirement.
- Trays can be manufactured to any size and thickness based on site requirement.
B) Pre-galvanised mild steel to BS en I0143-2003 as standard.
C) Epoxy powder Coated BS6920.
D) Other Finishing can be provided upon request.

<table>
<thead>
<tr>
<th>Width mm</th>
<th>Sheet Thickness mm</th>
<th>Side Height mm</th>
<th>Option Side Height mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>1.2</td>
<td>50</td>
<td>75</td>
</tr>
<tr>
<td>75</td>
<td>1.2</td>
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<tr>
<td>100</td>
<td>1.2</td>
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<tr>
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<tr>
<td>300</td>
<td>1.5</td>
<td>50</td>
<td>75</td>
</tr>
<tr>
<td>450</td>
<td>2.0</td>
<td>50</td>
<td>75</td>
</tr>
<tr>
<td>600</td>
<td>2.0</td>
<td>50</td>
<td>75</td>
</tr>
<tr>
<td>750</td>
<td>2.0</td>
<td>50</td>
<td>75</td>
</tr>
<tr>
<td>900</td>
<td>2.0</td>
<td>50</td>
<td>75</td>
</tr>
</tbody>
</table>

* Other type flange profile available upon request.

* "Technical specification subject to change without prior notice"
* "All dimensions and finishing details to be reconfirmed at the ordering time"
STRAIGHT TYPE: R, T/U, S/T

<table>
<thead>
<tr>
<th>Cable Tray</th>
<th>Support Distance (m)</th>
<th>Load KN/m</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 - 25</td>
<td>1.00</td>
<td>0.65</td>
</tr>
<tr>
<td>with (w):50mm</td>
<td>1.20</td>
<td>0.37</td>
</tr>
<tr>
<td>with (W):100</td>
<td>2.00</td>
<td>0.07</td>
</tr>
<tr>
<td>100 - 25</td>
<td>1.00</td>
<td>0.75</td>
</tr>
<tr>
<td>with (w):100mm</td>
<td>1.20</td>
<td>0.45</td>
</tr>
<tr>
<td>with (W):150</td>
<td>1.50</td>
<td>0.23</td>
</tr>
<tr>
<td>with (W):200mm</td>
<td>2.00</td>
<td>0.09</td>
</tr>
<tr>
<td>150 - 25</td>
<td>1.00</td>
<td>0.68</td>
</tr>
<tr>
<td>with (w):150mm</td>
<td>1.20</td>
<td>0.51</td>
</tr>
<tr>
<td>with (W):200</td>
<td>1.50</td>
<td>0.25</td>
</tr>
<tr>
<td>with (W):250</td>
<td>2.00</td>
<td>0.90</td>
</tr>
<tr>
<td>200 - 25</td>
<td>1.00</td>
<td>0.68</td>
</tr>
<tr>
<td>with (w):200mm</td>
<td>1.20</td>
<td>0.47</td>
</tr>
<tr>
<td>with (W):250</td>
<td>1.50</td>
<td>0.26</td>
</tr>
<tr>
<td>with (W):300</td>
<td>2.00</td>
<td>0.10</td>
</tr>
<tr>
<td>225 - 25</td>
<td>1.00</td>
<td>0.52</td>
</tr>
<tr>
<td>with (w):225mm</td>
<td>1.20</td>
<td>0.36</td>
</tr>
<tr>
<td>with (W):275</td>
<td>1.50</td>
<td>0.22</td>
</tr>
<tr>
<td>with (W):325</td>
<td>2.00</td>
<td>0.10</td>
</tr>
<tr>
<td>300 - 25</td>
<td>1.00</td>
<td>0.27</td>
</tr>
<tr>
<td>with (w):300mm</td>
<td>1.20</td>
<td>0.18</td>
</tr>
<tr>
<td>with (W):350</td>
<td>1.50</td>
<td>0.10</td>
</tr>
<tr>
<td>with (W):400</td>
<td>2.00</td>
<td>0.04</td>
</tr>
</tbody>
</table>

- Dimension in Millimetre
- Abbreviation W-Width H-Height R-Radius
- When ordering Material, Finish and Sizes as straight cable tray please also indicate Radius (R)

90° ELBOW

45° ELBOW

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HORIZONTAL EQUAL/UNEQUAL TEE

- Dimension in Millimetre
- Abbreviation W-Width H-Height R-Radius
- When ordering Material, Finish and Sizes as straight cable tray please also indicate Radius (R)

HORIZONTAL EQUAL TEE

HORIZONTAL UNEQUAL TEE

HORIZONTAL EQUAL/UNEQUAL CROSS

- Dimension in Millimetre
- Abbreviation W-Width H-Height R-Radius
- When ordering Material, Finish and Sizes as straight cable tray please also indicate Radius (R)

HORIZONTAL EQUAL CROSS

HORIZONTAL UNEQUAL CROSS

* "Technical specification subject to change without prior notice"
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STEEL PERFORATED CABLE TRAY

EXTERNAL/INTERNAL RISER

- **EXTERNAL RISER**
- **INTERNAL RISER**

- Dimension in Millimetre
- Abbreviation W-Width H-Height R-Radius
- When ordering Material, Finish and Sizes as straight cable tray please also indicate Radius (R)

STRAIGHT/RIGHT/LEFT OFFSET REDUCER

- **STRAIGHT OFFSET REDUCER**
- **LEFT OFFSET REDUCER**
- **RIGHT OFFSET REDUCER**

- Dimension in Millimetre
- Abbreviation W-Width H-Height R-Radius
- When ordering Material, Finish and Sizes as straight cable tray please also indicate Radius (R)

* “Technical specification subject to change without prior notice”
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Beta Cable Tray System

Accessories for Cable Trays

Accessories for Beta Cable Tray system designed for easy installation and provide proper routing for cables without any need for site fabrication. The accessories are made from pre-galvanized mild steel BS 1449 Part I-1991 standard & Hot dip galvanised ASTM A123, BS EN ISO 1461, 1999 come in standard sizes as indicated.

Two Way 45°, 90°, Straight Connectors & Couplers.

Optional:
- a) Epoxy powder coated to any RAL code upon request.
- b) Covers for cable trays accessories can available upon request.

<table>
<thead>
<tr>
<th>H</th>
<th>A</th>
<th>W-W I</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>100</td>
<td>Width</td>
</tr>
<tr>
<td>75</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>150</td>
<td></td>
</tr>
</tbody>
</table>

*Dimension in Millimetre
*When ordering please indicate Type, Finish and Sizes as straight cable tray.

*“Technical specification subject to change without prior notice”
*“All dimensions and finishing details to be reconfirmed at the ordering time”
CABLE TRAYS & GI TRUNKING SYSTEMS

TYPICAL LAYOUT

* "Technical specification subject to change without prior notice"
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Beta Cable Trunking System
Cable Trunking Accessories

Beta Trunking Accessories such as horizontal bends (90°, 45°), 4 way intersection boxes, 3 way horizontal equal & unequal tee’s, risers (90°, 45°), reducers, cable retainers, stop ends, loose dividers & couplers are available for all standard sizes and come complete with individual covers & connectors.

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* “All dimensions and finishing details to be reconfirmed at the ordering time”

• When ordering please indicate W(width), H(height) and Finish.

ALL DETAILS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE
Beta Cable Trunking System
Cable Trunking Accessories

BRITISH STANDARD
Beta Cable Trunking are manufactured in standard lengths of 2.44mtr./3mtr. From pre-galvanized steel/Hot dip galvanised which conforms to B.S. 4678 part I 1978 standards.

a) Single Compartment
   Single compartment trunking comes complete with locking device which provides a firm grip between the cable compartment and cover.
   
   The cover can easily be installed & removed for subsequent addition or changes to cabling.

b) Multi compartments
   2,3 and 4 equal compartments trunkings are also available in different sizes with all accessories. Unless otherwise requested by the customer.

OPTIONAL FINISHES
The entire range of Cable trunking system can be provided with the optional finishes on request : Epoxy / polyester coated suitable for external use.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Size mm</th>
<th>Thickness mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>HD</td>
</tr>
<tr>
<td>1</td>
<td>50 X 50</td>
<td>1.2</td>
</tr>
<tr>
<td>2</td>
<td>75 X 50</td>
<td>1.2</td>
</tr>
<tr>
<td>3</td>
<td>75 X 75</td>
<td>1.2</td>
</tr>
<tr>
<td>4</td>
<td>100 X 50</td>
<td>1.2</td>
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<tr>
<td>5</td>
<td>100 X 75</td>
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</tr>
<tr>
<td>6</td>
<td>150 X 50</td>
<td>1.2</td>
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<tr>
<td>7</td>
<td>150 X 75</td>
<td>1.2</td>
</tr>
<tr>
<td>8</td>
<td>150 X 100</td>
<td>1.2</td>
</tr>
<tr>
<td>9</td>
<td>150 X 150</td>
<td>1.2</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

U Channels
Beta U channels made from pre-galvanized GI Steel /Hot dip galvanised supports easy installation for cable trays, trunking and accessories.

Optional finishes
Epoxy powder coating to any RAL code upon request.

Available Sizes : 41 mm X 21 mm, 41 mm X 41 mm (Standard)
Thickness : 1.2 mm, 1.5 mm, 1.8 mm, 2 mm & 2.5 mm

GI Adaptable Box
Beta adaptable box finished in pre-galvanized/Hot dip galvanised and epoxy powder coated as optional with the options of plain sides or 25 mm knock out in the sides.

Standard sizes in inches
12" X 12" X 4"
9" X 9" X 4"
6" X 6" X 4"

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