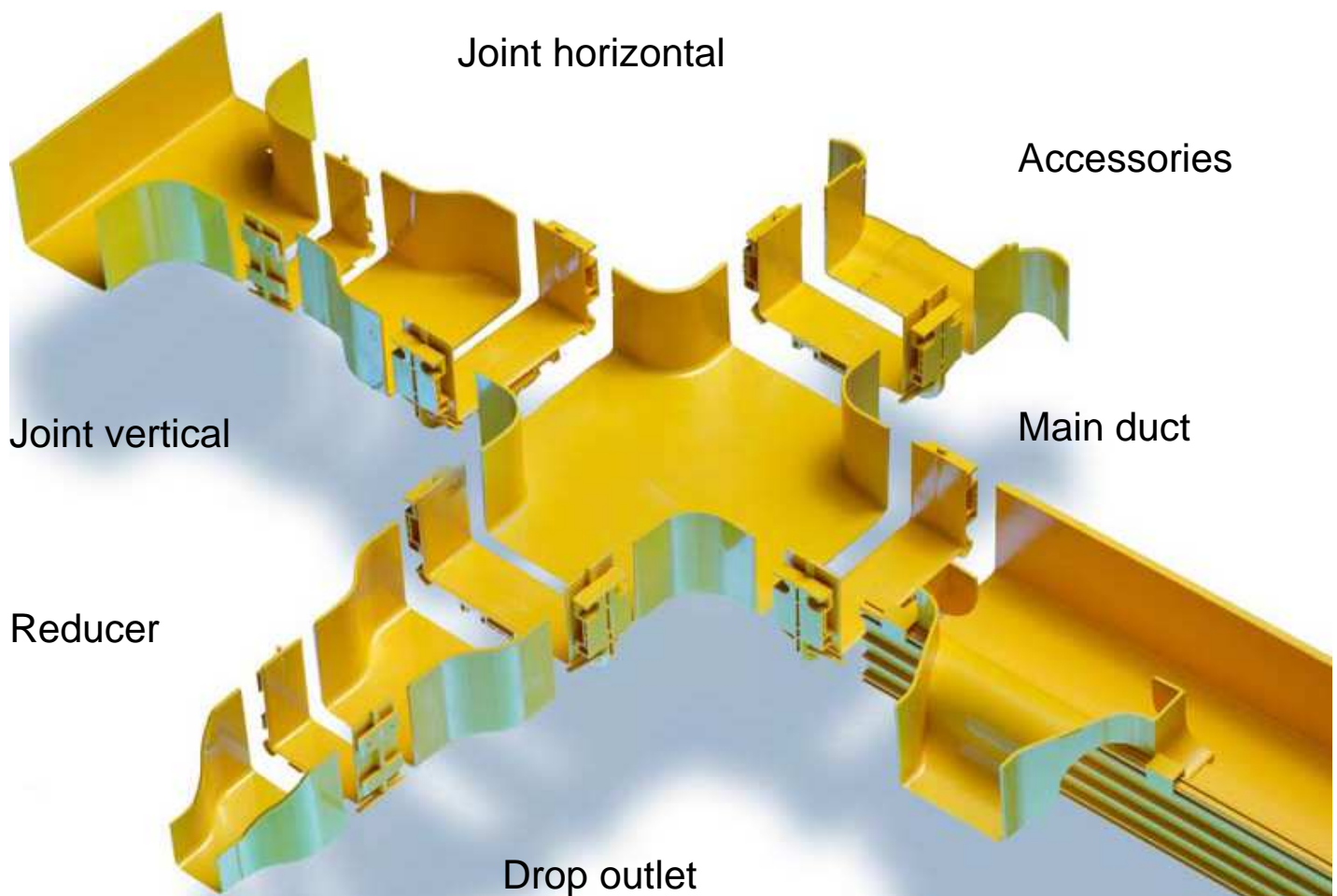


Planning aids



R&M Raceway System

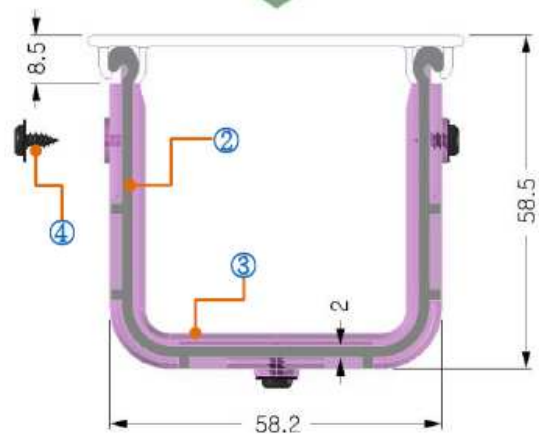
Raceway System Assortment



Main duct incl. Cover

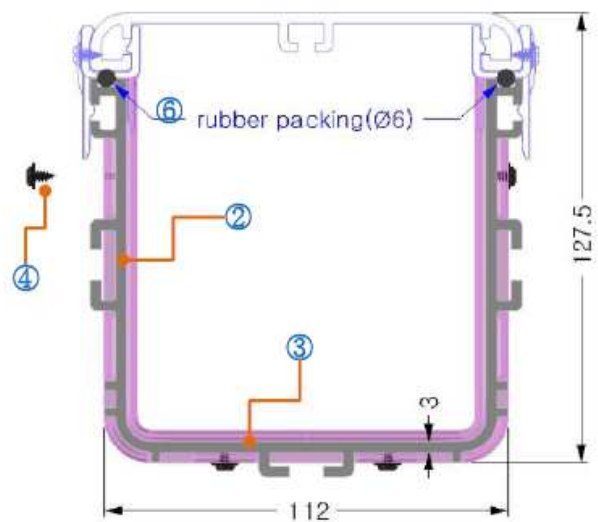
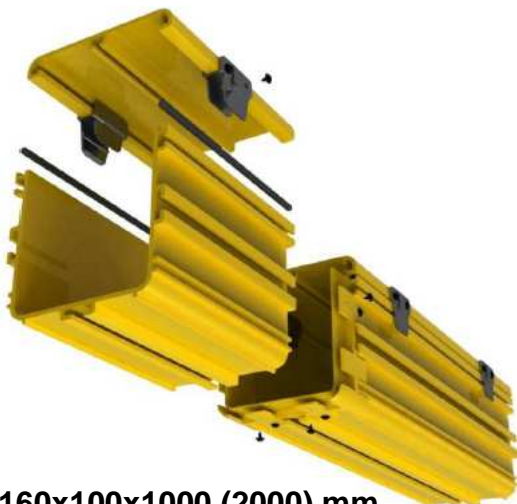
50x50x1000 (2000) mm

Packing density: max. 450 pcs. 2mm patch cord



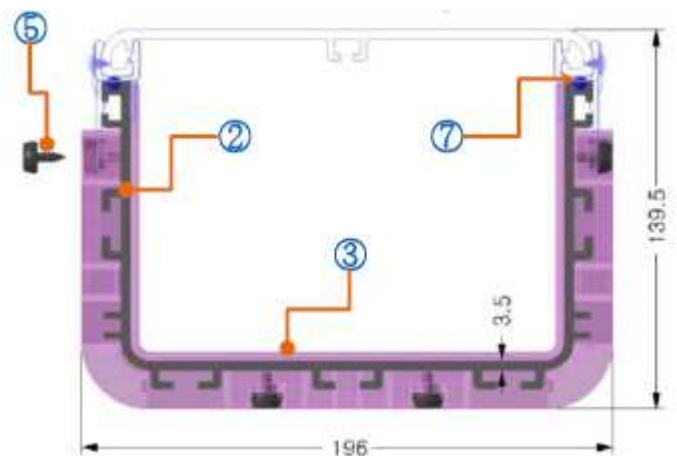
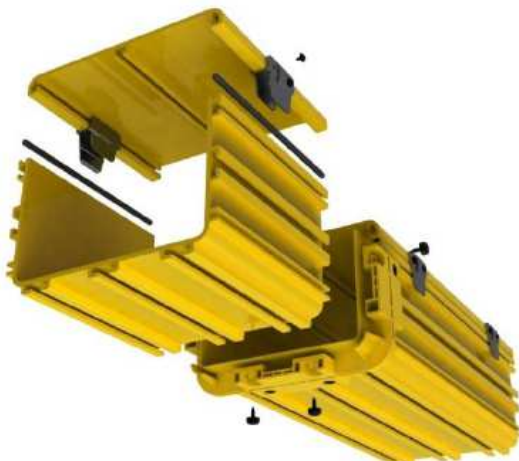
100x100x1000 (2000) mm

Packing density: max. 1900 pcs. 2mm patch cord



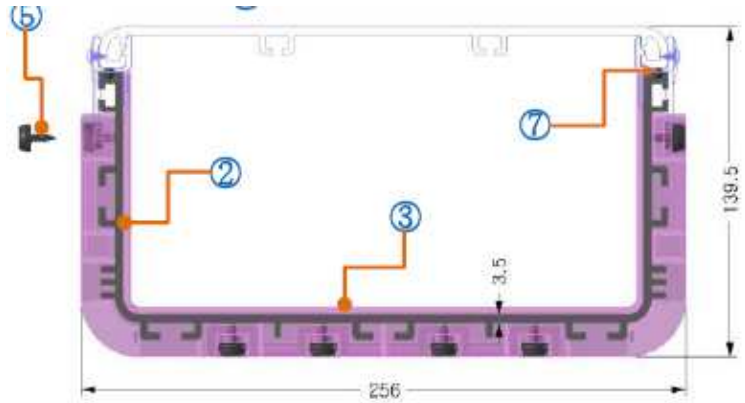
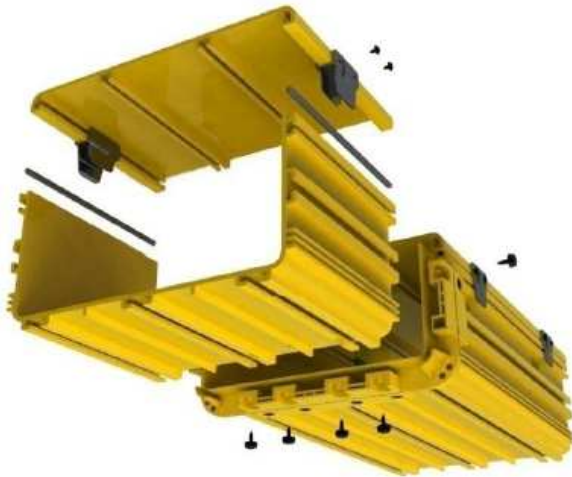
160x100x1000 (2000) mm

Packing density: max. 3100 pcs. 2mm patch cord



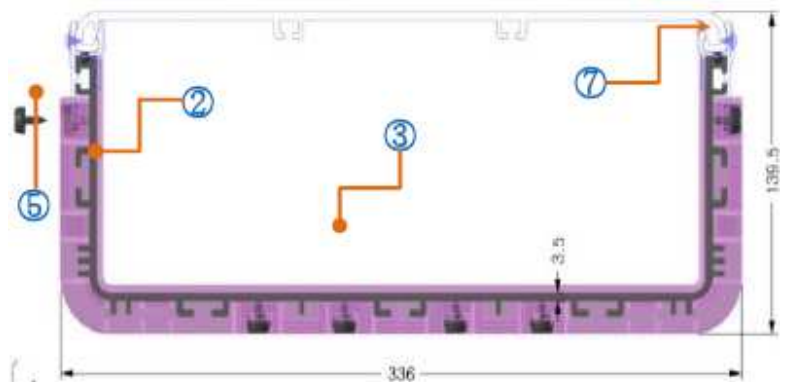
220x100x1000 (2000) mm

Packing density: max. 4300 pcs. 2mm patch cord

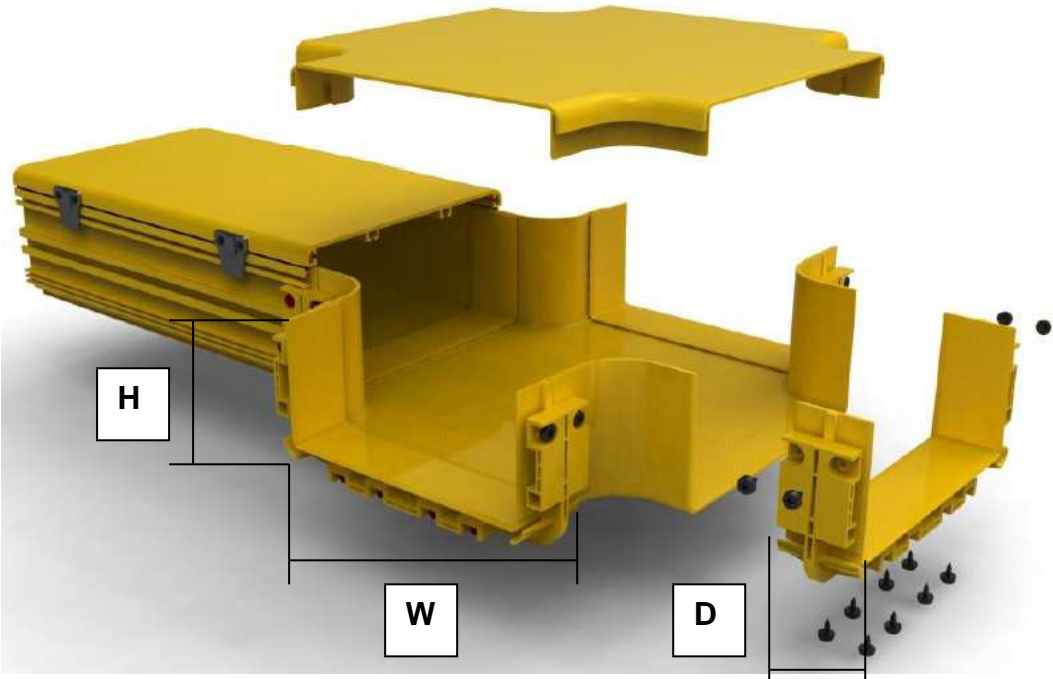


300x100x1000 (2000) mm

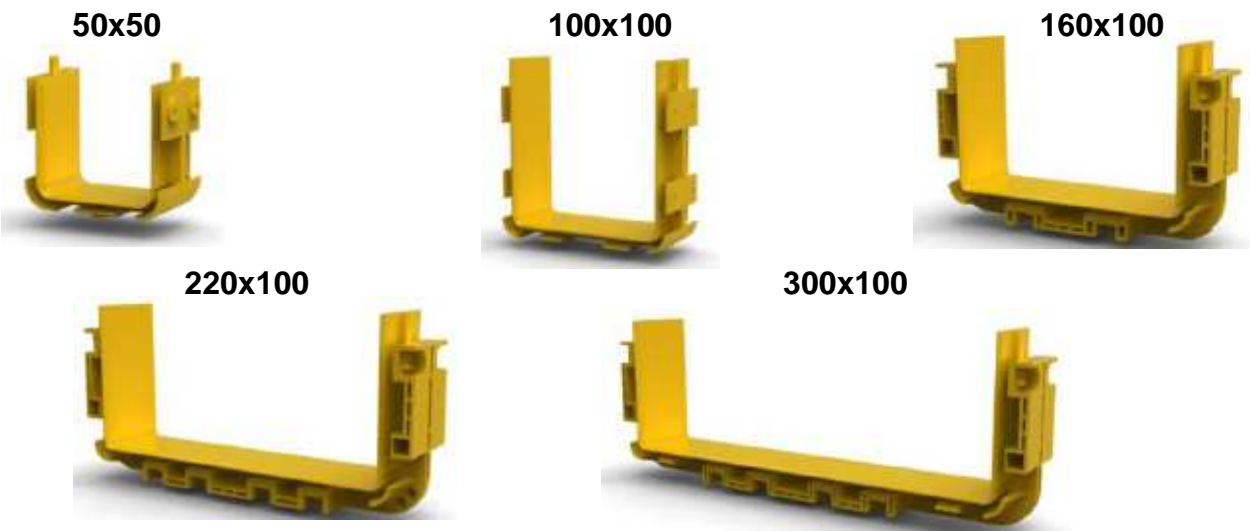
Packing density: max. 5900 pcs. 2mm patch cord



Connecting with component Joiner

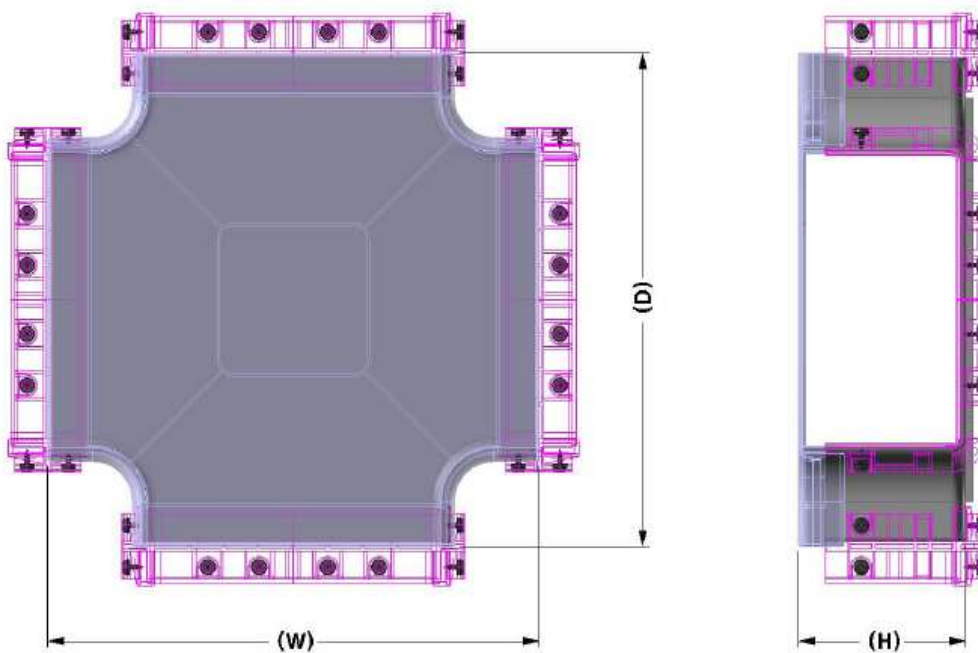
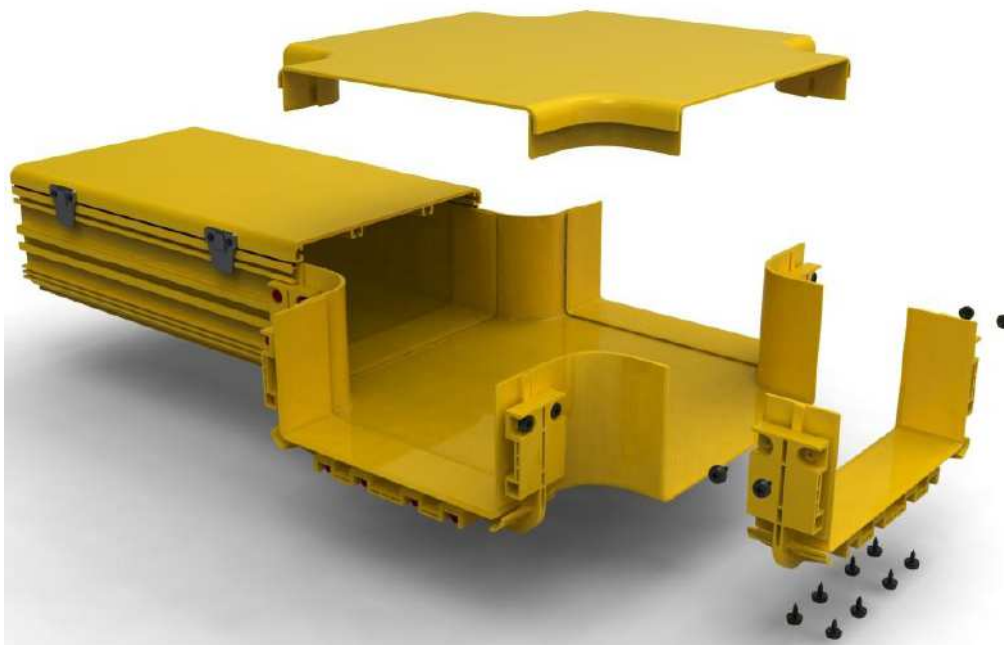


Component joiner



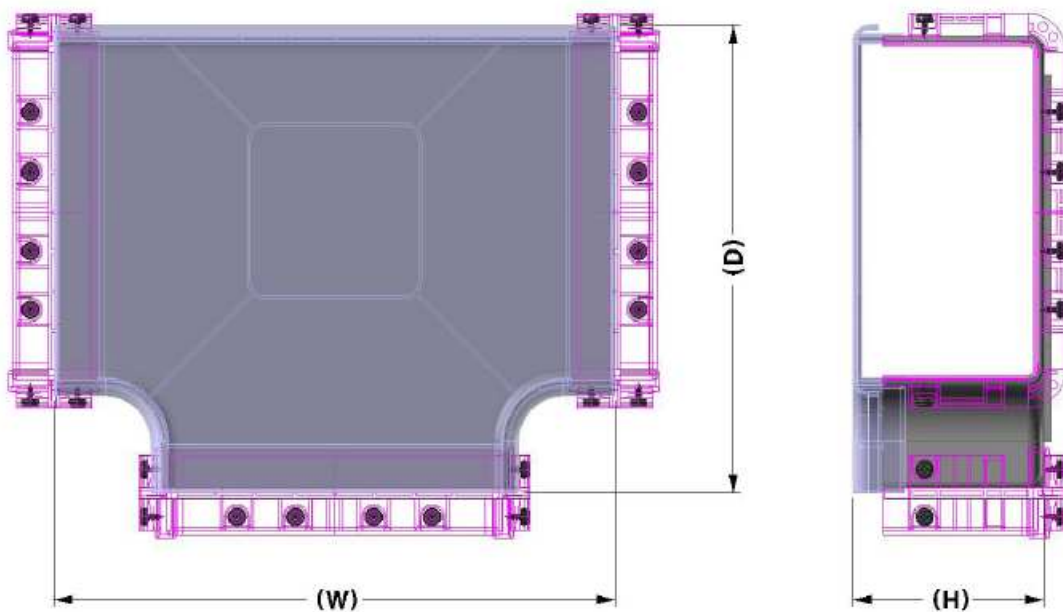
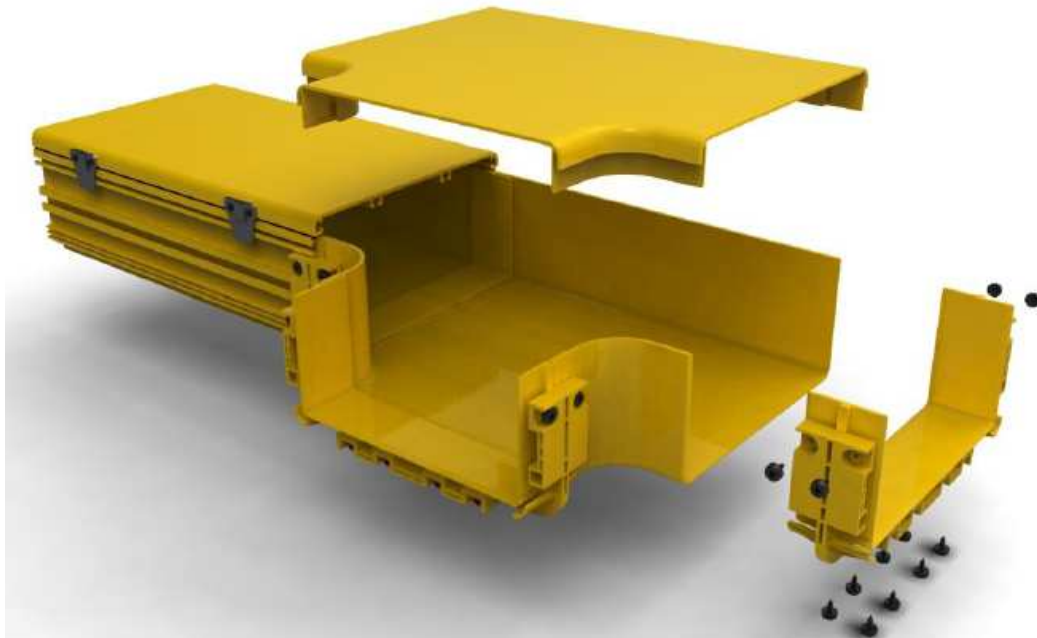
| Size Joiner | Width W | Depth D | High H |
|-------------|---------|---------|---------|
| 50x50 | 58mm | 34mm | 56.5mm |
| 100x100 | 112mm | 45mm | 109mm |
| 160x100 | 196mm | 55mm | 119.5mm |
| 220x100 | 256mm | 55mm | 119.5mm |
| 300x100 | 336mm | 55mm | 119.5mm |

Horizontal Cross incl. cover



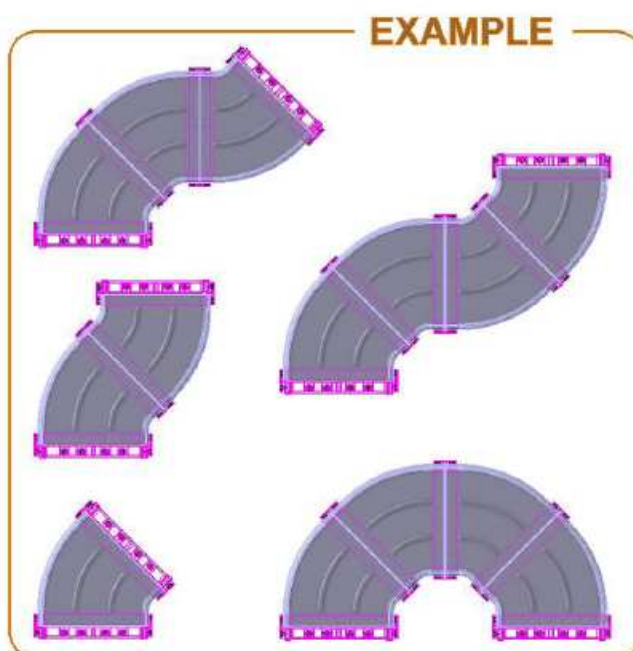
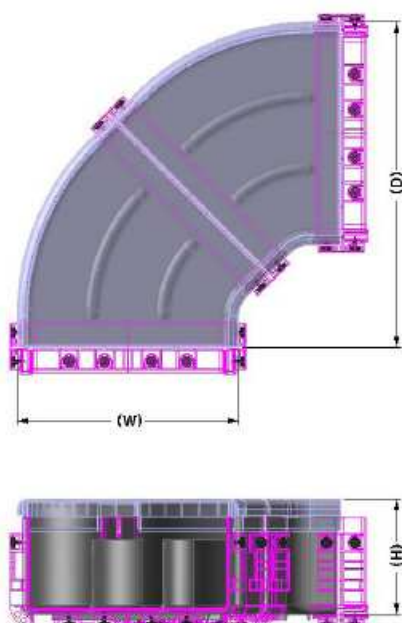
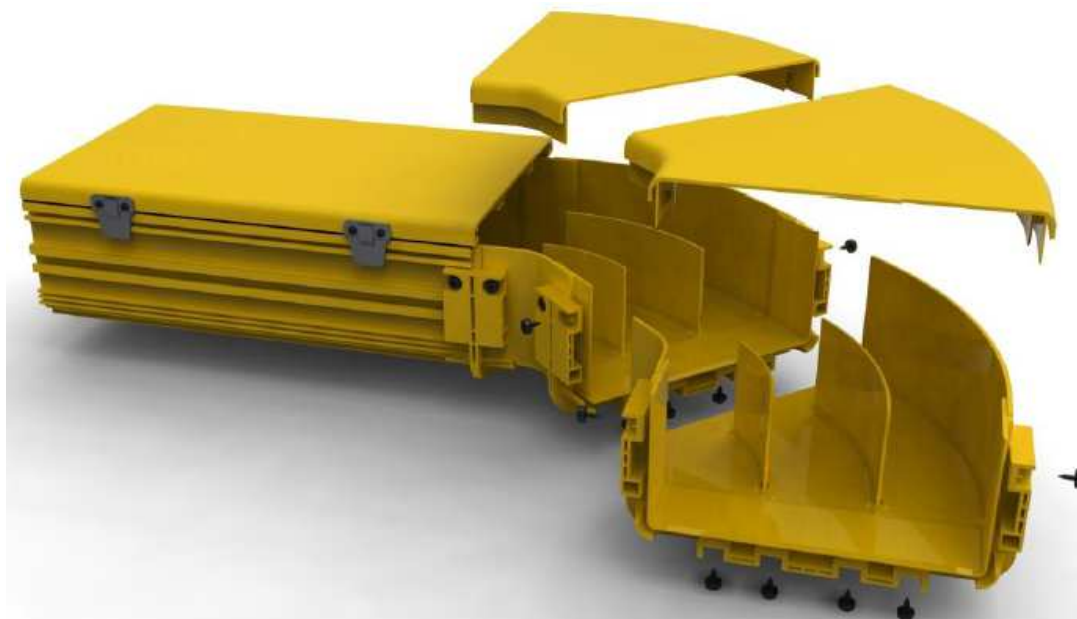
| Size Cross | Width W | Depth D | High incl. cover H |
|---------------|------------|------------|-----------------------|
| 50x50 | 154mm | 154mm | 56.5mm |
| 100x100 | 265mm | 265mm | 125mm |
| 160x100 | 307mm | 307mm | 125mm |
| 220x100 | 367mm | 367mm | 125mm |
| 300x100 | 447mm | 447mm | 125mm |

Horizontal Tee incl. cover



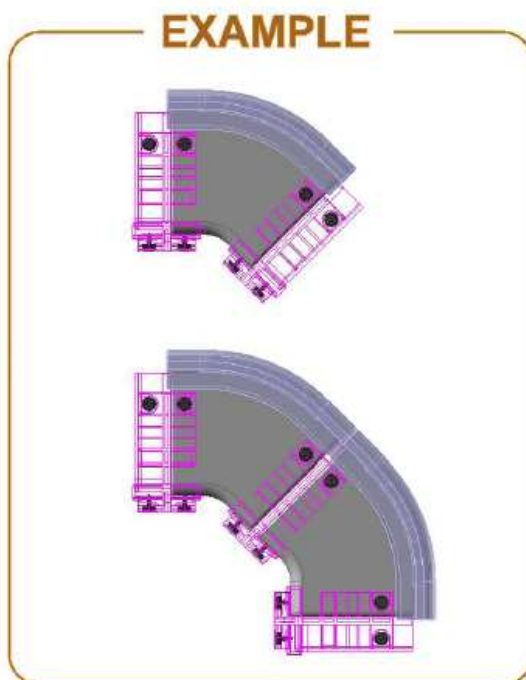
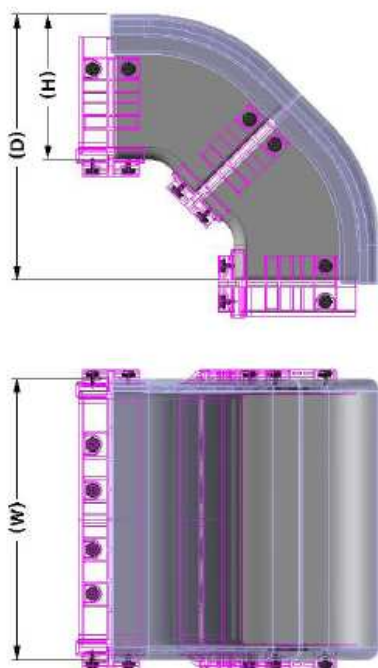
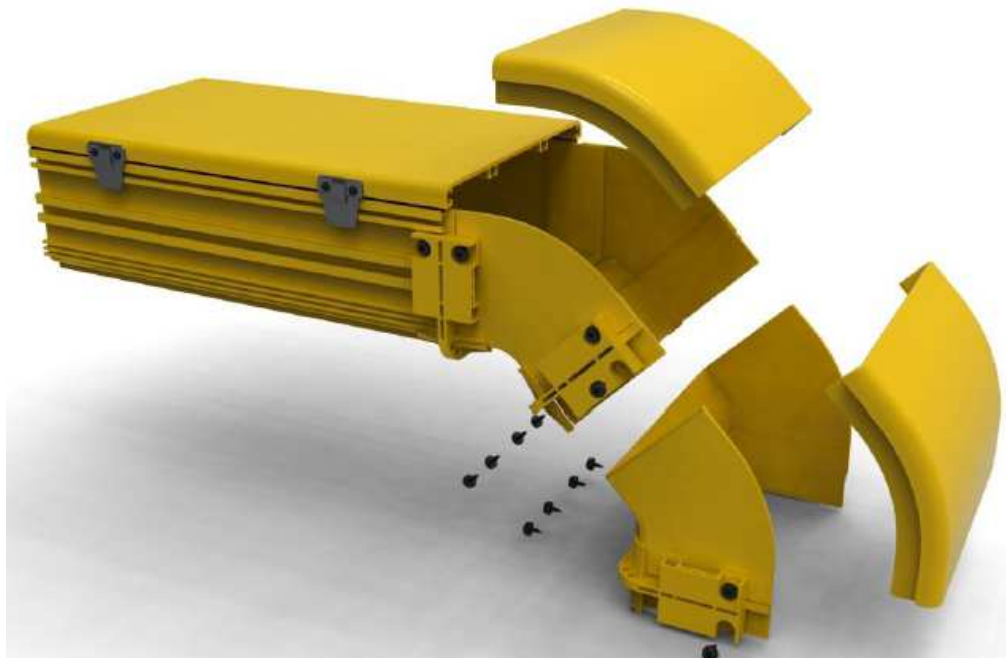
| Size TEE | Width W | Depth D | High incl. cover H |
|-------------|------------|------------|-----------------------|
| 50x50 | 154mm | 110mm | 56.5mm |
| 100x100 | 265mm | 193mm | 125mm |
| 160x100 | 307mm | 244mm | 125mm |
| 220x100 | 367mm | 304mm | 125mm |
| 300x100 | 447mm | 384mm | 125mm |

Horizontal Elbow – 90° / 45°- H incl. cover



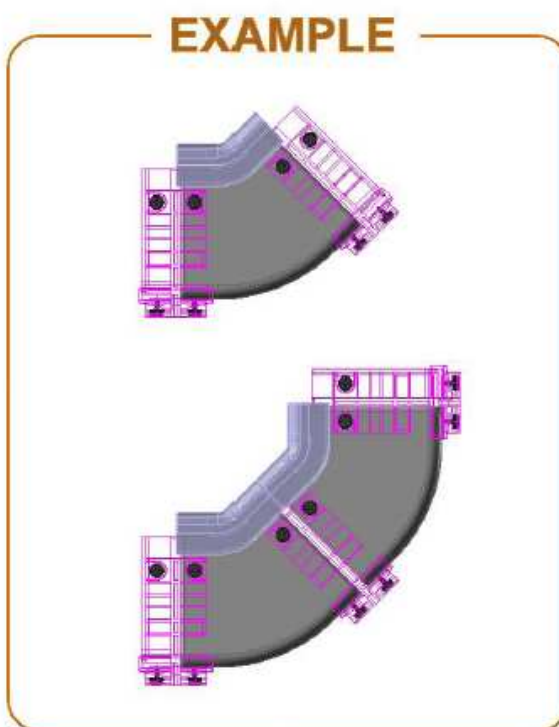
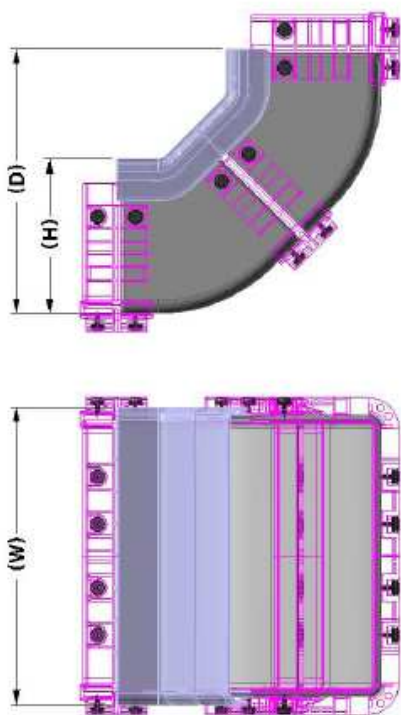
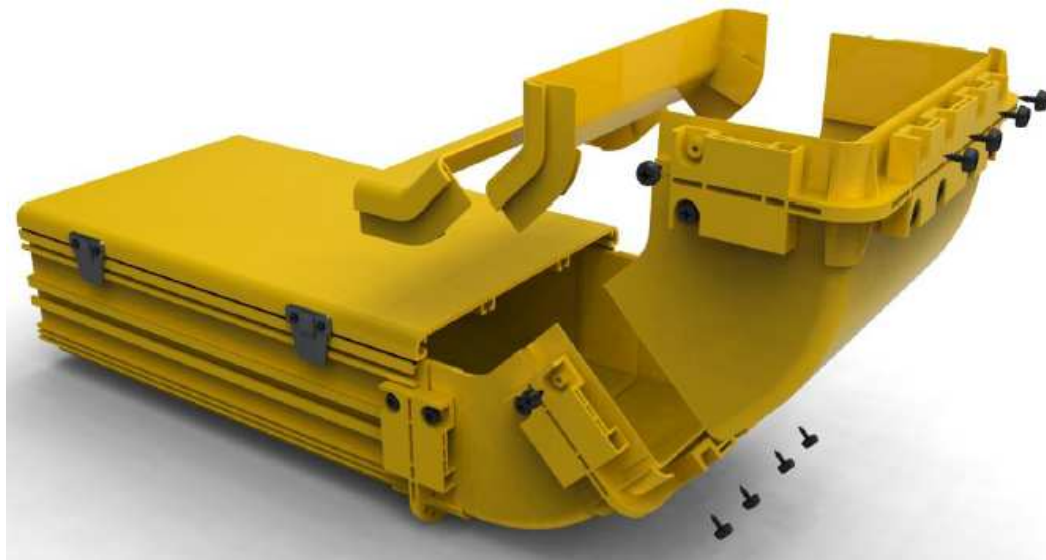
| Size Elbow-H | Width W | Depth D | High incl. cover H | |
|-----------------|------------|------------|-----------------------|---------|
| 50x50 | 52mm | 120mm | 56.5mm | (1x90°) |
| 100x100 | 120mm | 193mm | 125mm | (2x45°) |
| 160x100 | 181mm | 291mm | 125mm | (2x45°) |
| 220x100 | 241mm | 352mm | 125mm | (2x45°) |
| 300x100 | 321mm | 431mm | 125mm | (2x45°) |

Vertical Elbow - 90° / 45°- D incl. cover



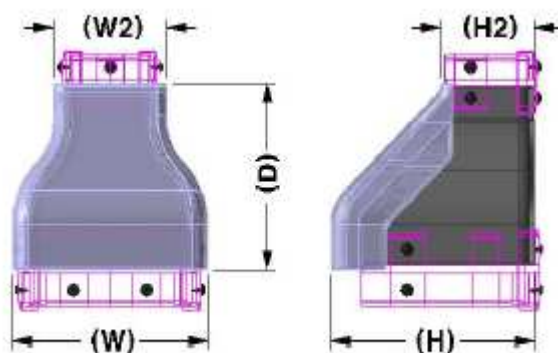
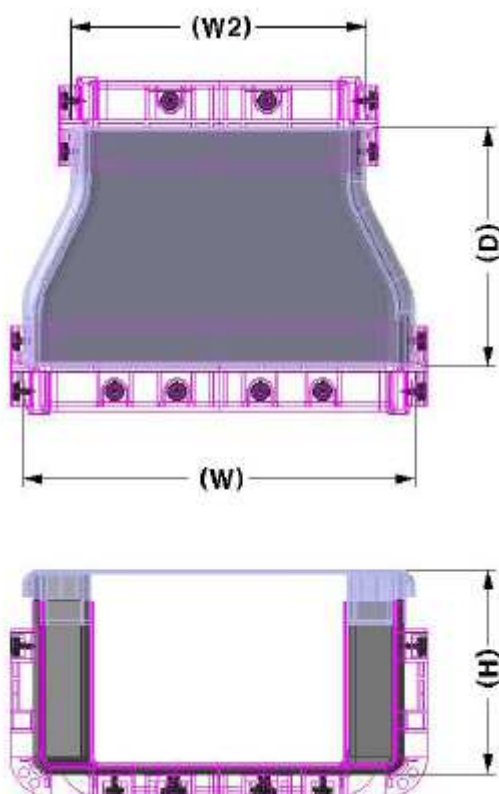
| Size Elbow-D | Width W | Depth D | High incl. cover H | |
|-----------------|------------|------------|-----------------------|---------|
| 50x50 | 66mm | 138mm | 56.5mm | (2x45°) |
| 100x100 | 120mm | 230mm | 125mm | (1x90°) |
| 160x100 | 181mm | 232mm | 125mm | (2x45°) |
| 220x100 | 241mm | 232mm | 125mm | (2x45°) |
| 300x100 | 321mm | 232mm | 125mm | (2x45°) |

Vertikal Elbow - 90° / 45°- U incl. cover

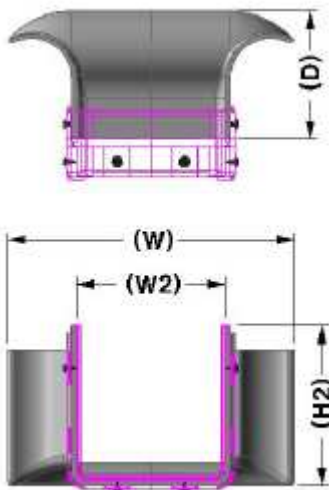
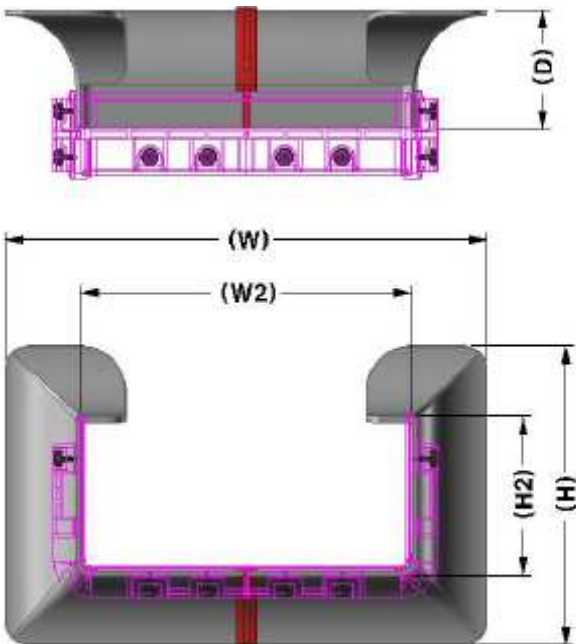
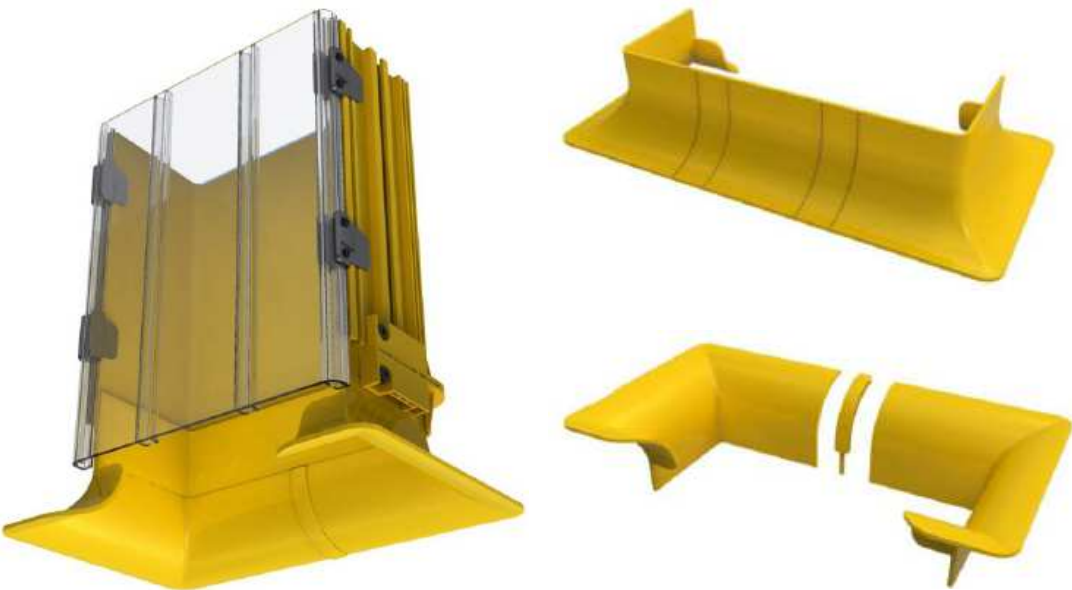


| Size Elbow-U | Width W | Depth D | High incl. cover H | |
|-----------------|------------|------------|-----------------------|---------|
| 50x50 | 66mm | 135mm | 56.5mm | (2x45°) |
| 100x100 | 120mm | 207mm | 125mm | (1x90°) |
| 160x100 | 181mm | 232mm | 125mm | (2x45°) |
| 220x100 | 241mm | 214mm | 125mm | (2x45°) |
| 300x100 | 321mm | 208mm | 125mm | (2x45°) |

Reducer incl. cover

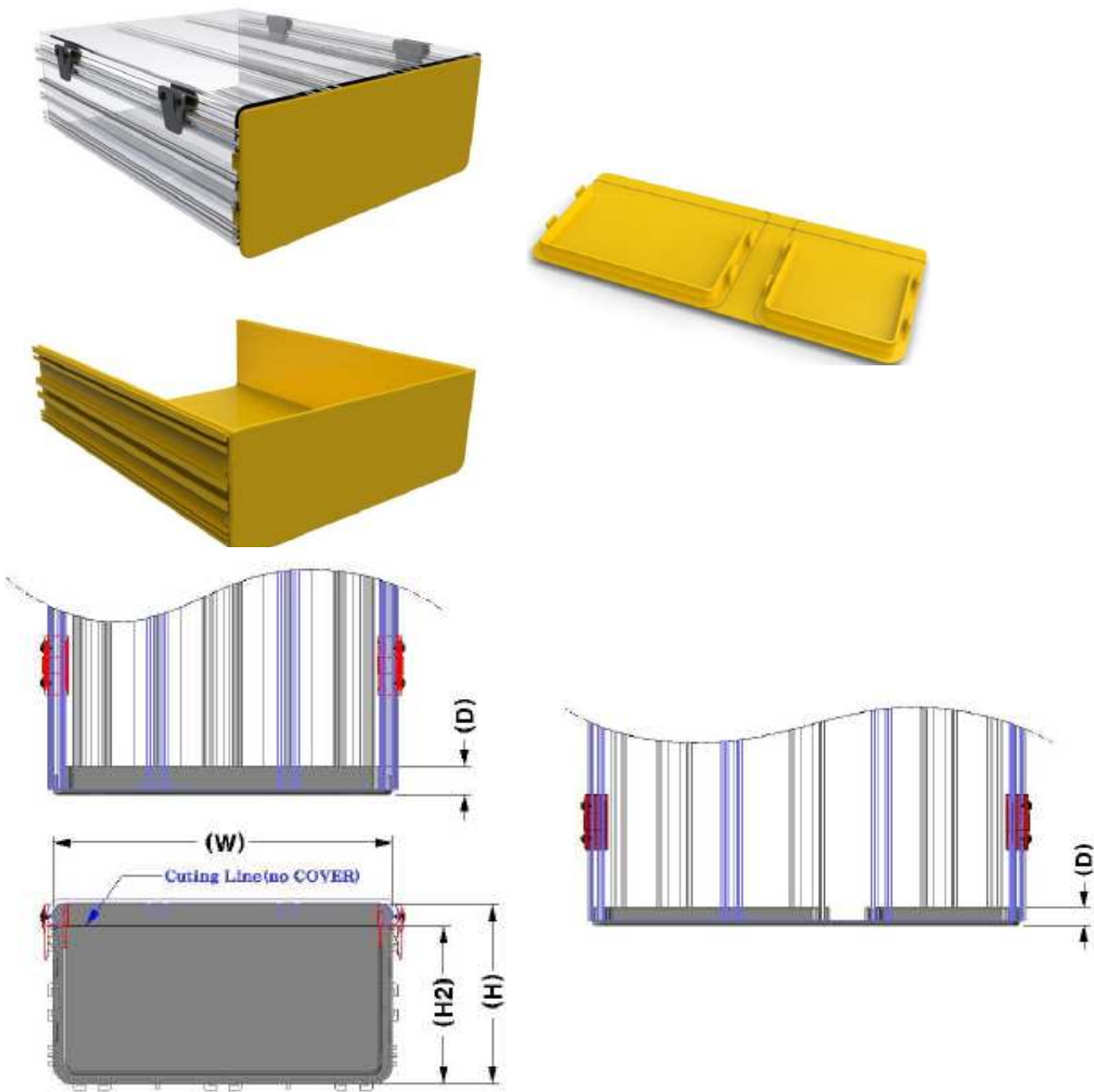


| Size Reducer | Width W / W2 | Depth D | High incl. cover H / H2 |
|-----------------|-----------------|------------|----------------------------|
| 100x100/50x50 | 121mm / 61mm | 110mm | 125mm |
| 160x100/100x100 | 181mm / 121mm | 125mm | 125mm |
| 220x100/160x100 | 241mm / 181mm | 140mm | 125mm |
| 300x100/220x100 | 321mm / 241mm | 150mm | 125mm |



| Size Trumpet outlet | Width W / W2 | Depth D | High H / H2 |
|------------------------|-----------------|------------|----------------|
| 50x50 | 96mm / 50mm | 46mm | 54mm |
| 100x100 | 192mm / 100mm | 86mm | 106mm |
| 160x100 | 260mm / 160mm | 80mm | 106mm / 200mm |
| 220x100 | 320mm / 220mm | 80mm | 106mm / 200mm |
| 300x100 | 400mm / 300mm | 80mm | 106mm / 200mm |

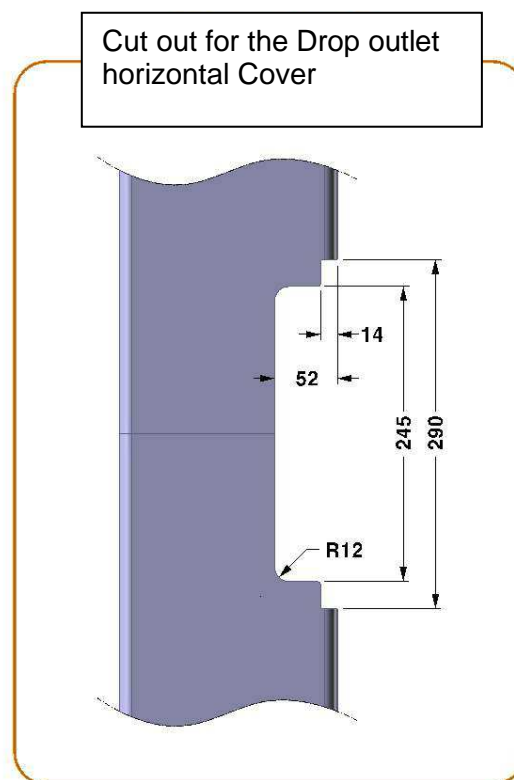
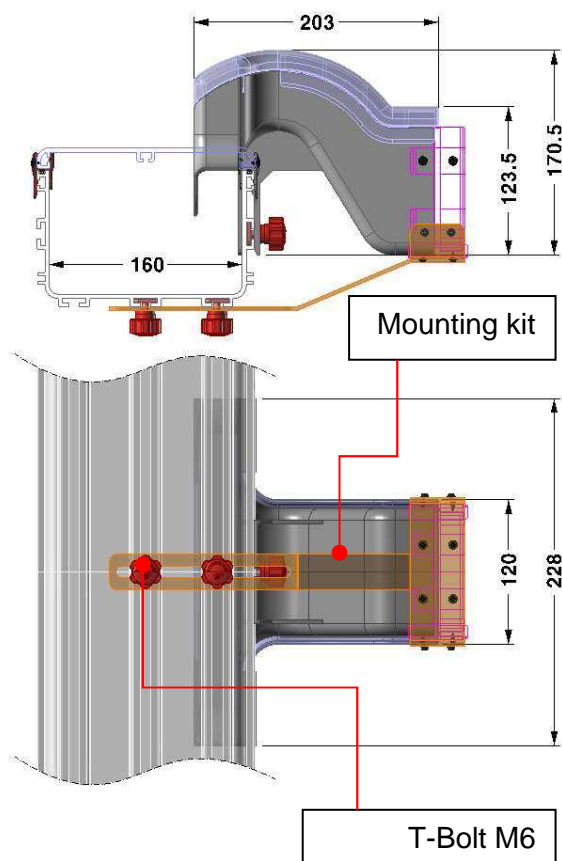
End cover



| Size End cover | Width W | Depth D | High H / H2 |
|-------------------|------------|------------|-----------------|
| 100x100 | 114.5mm | 13mm | 127mm / 112.5mm |
| 160x100 | 175mm | 13mm | 127mm / 112.5mm |
| 220x100 | 233.2mm | 19mm | 124mm / 108.5mm |
| 300x100 | 314mm | 13mm | 127mm / 112.5mm |

Packing density horizontal: max. 835 pcs. 2mm patch cord

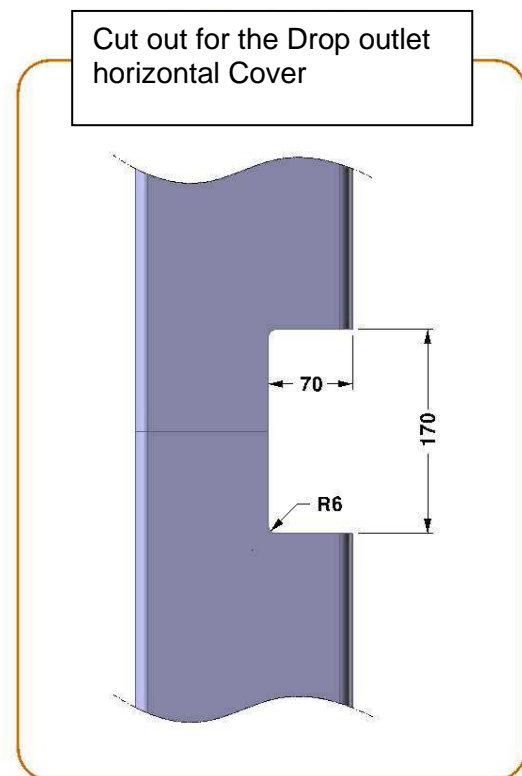
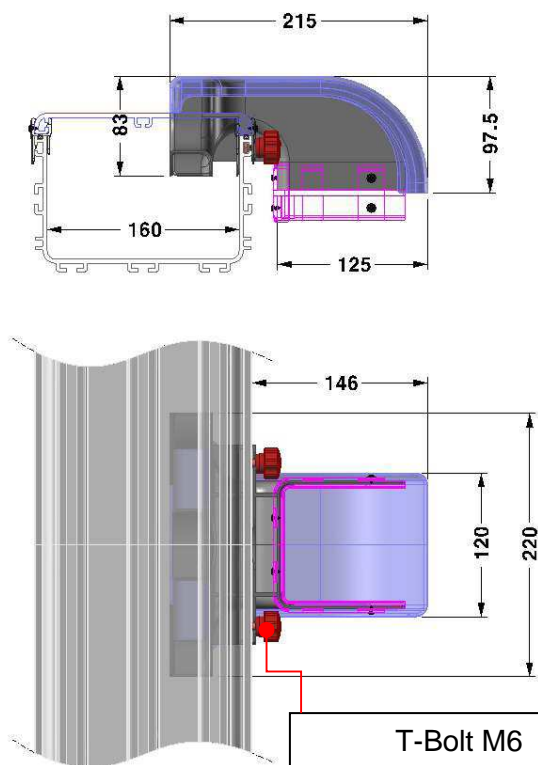
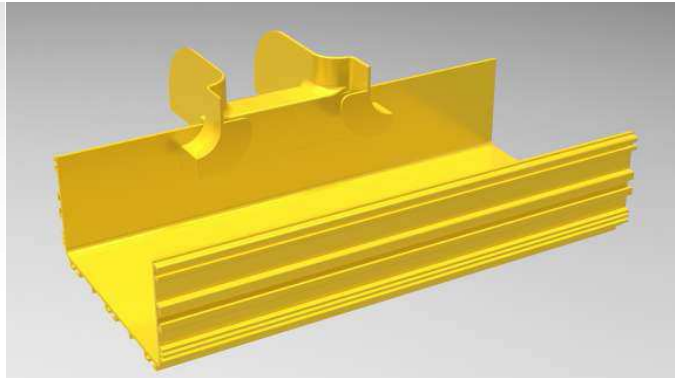
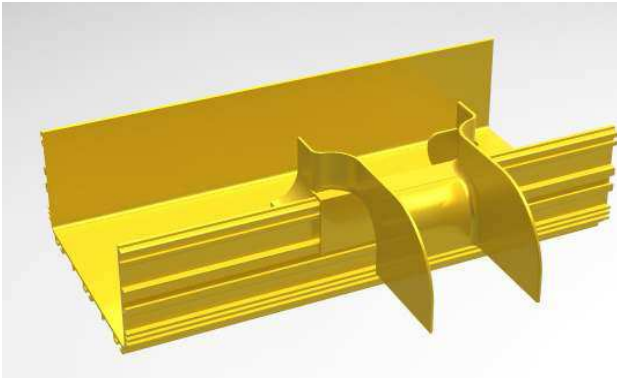
Important: only usable with Main duct 100x100 up to 300x100 (mm)



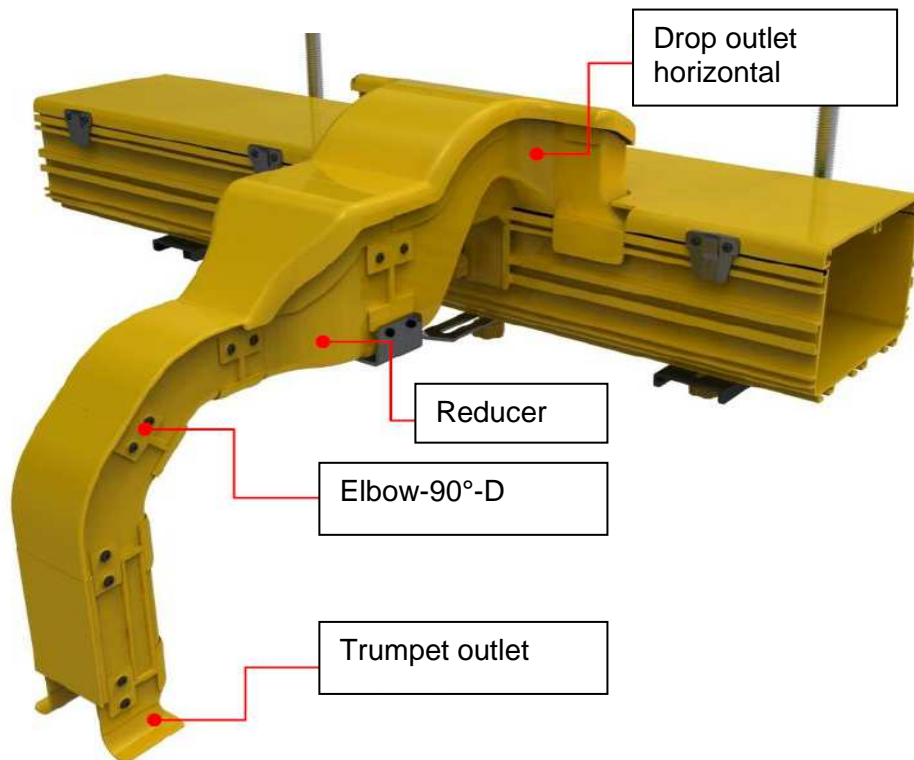
Drop outlet vertical

Packing density vertical: max. 735 pcs. 2mm patch cord

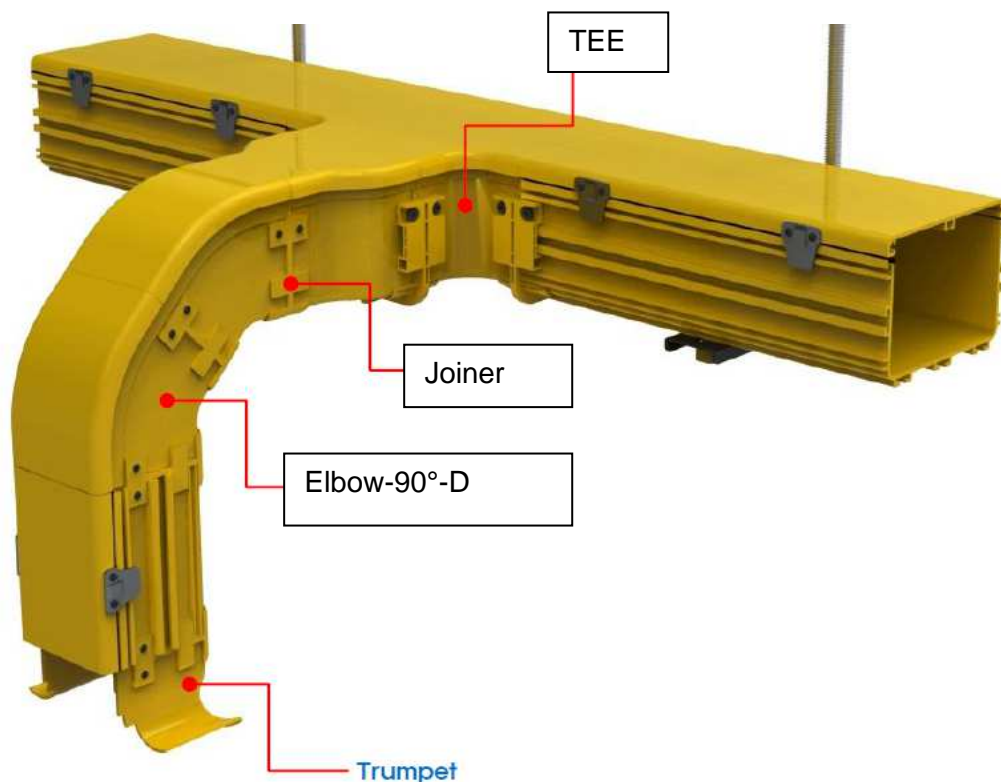
Important: only usable with Main duct 100x100 up to 300x100 (mm)



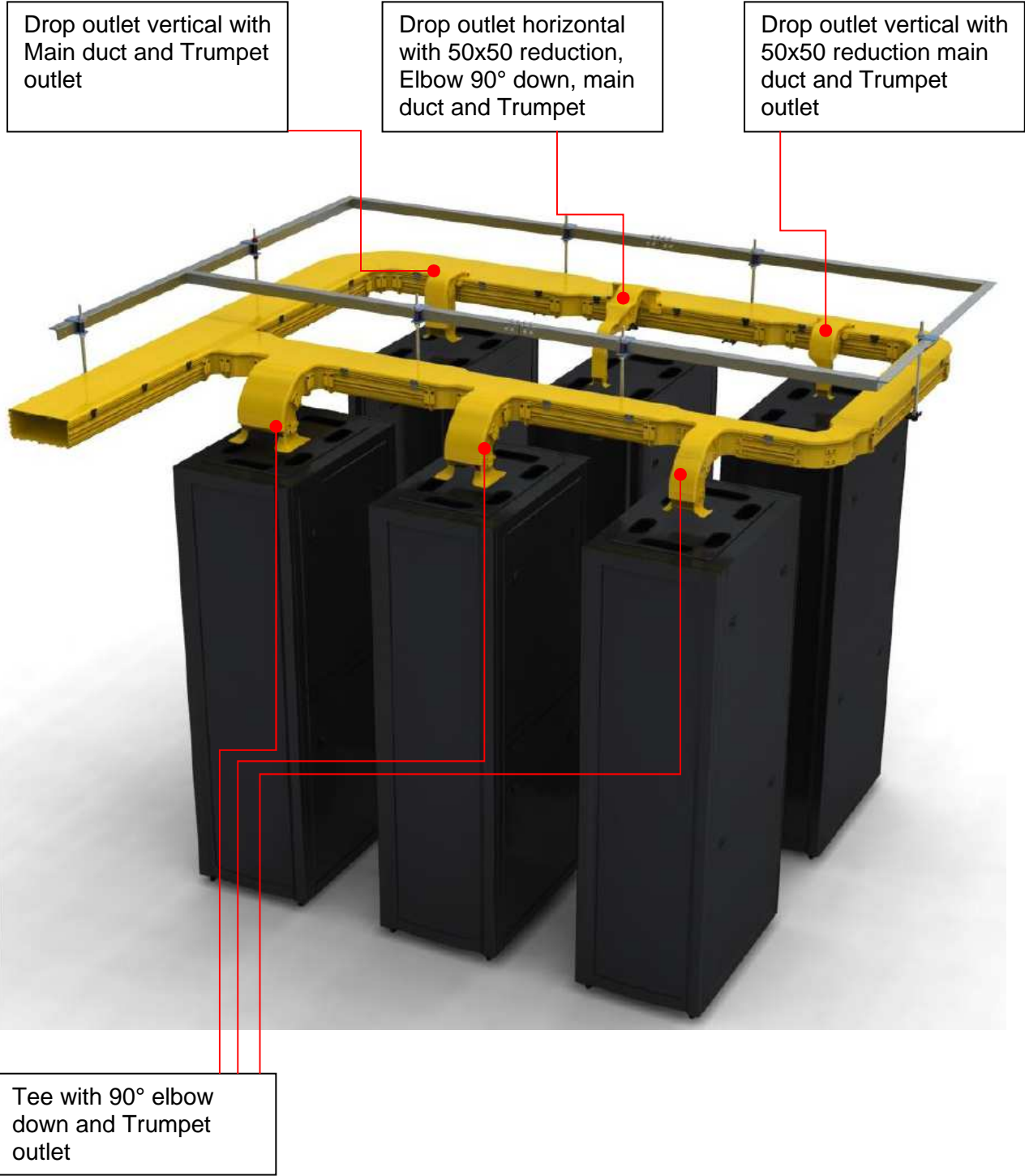
Example of use horizontal Drop outlet



Example of use vertical application with TEE or Cross

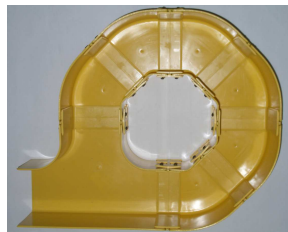
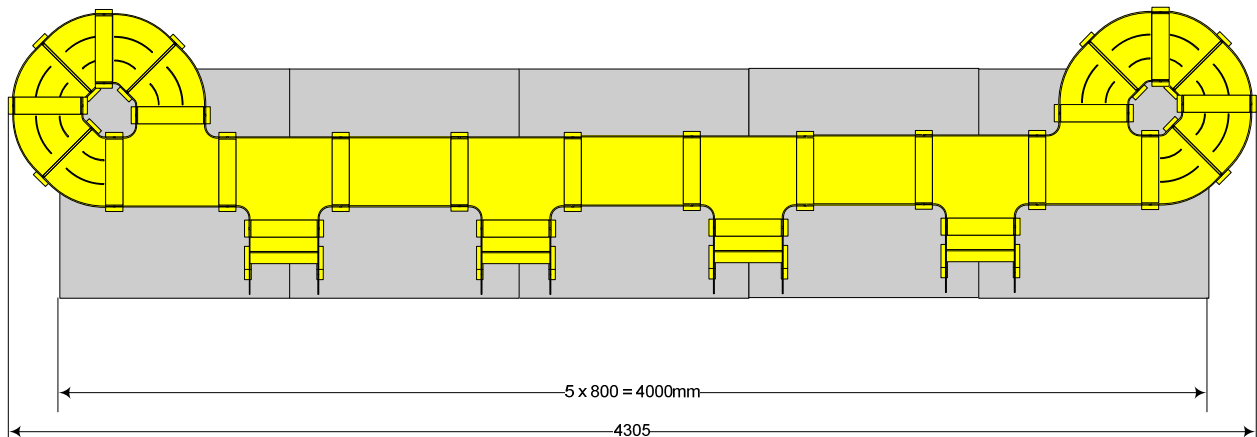


Example of use Drop out Trumpet outlet Raceway

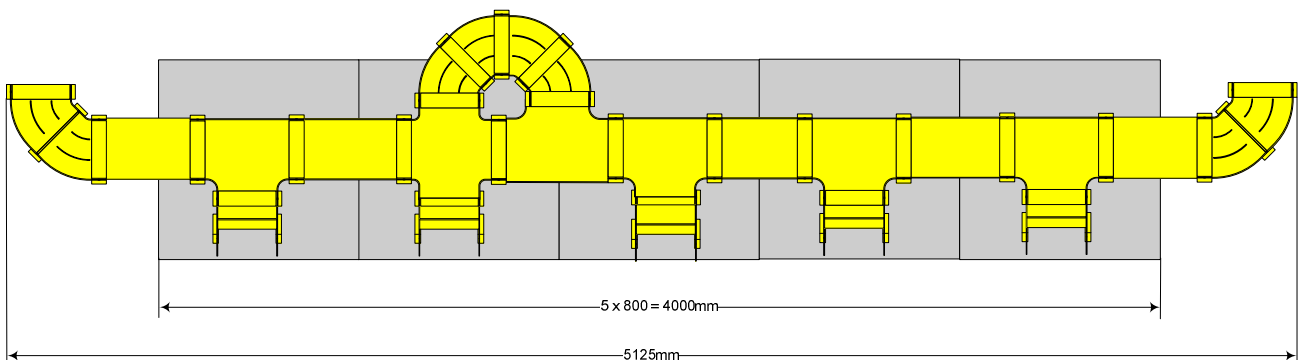


Example of use Patch cord storage

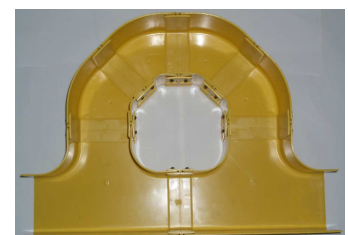
At the end of a Main duct



Between a Main duct

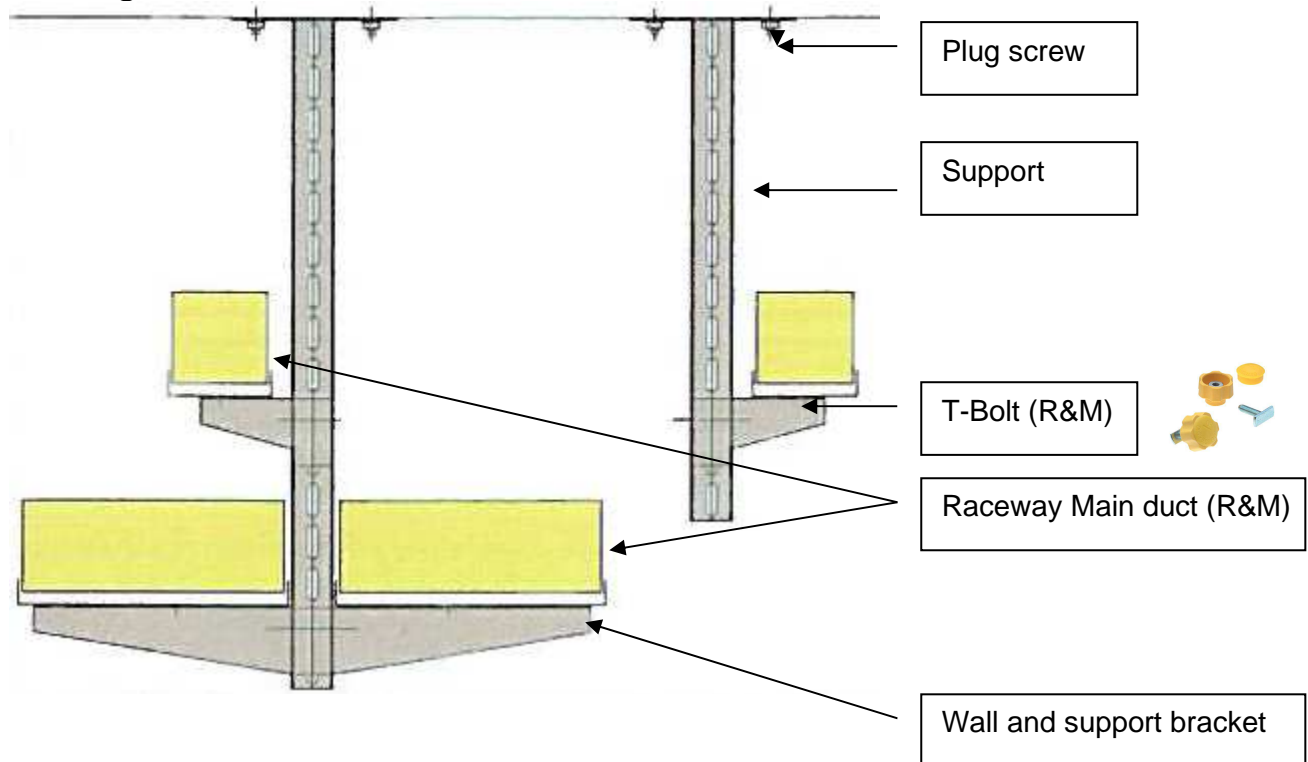


Important: The sample (pictures) is build-up with Raceway 100x100mm elements. If you work with other dimensions it could be different, between the two cross is a small piece

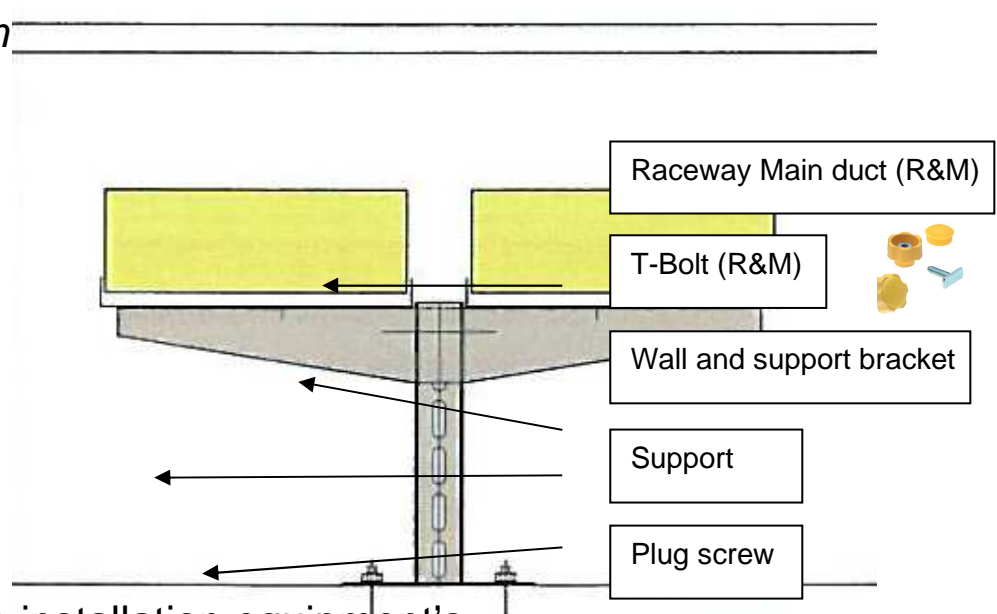


of duct and a second joint is needed.
Example of use installation equipment

Celling installation



Floor installation



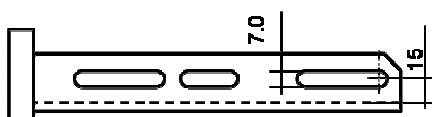
Suppliers for the installation equipment's

Owing to the individual installation of a Raceway System for a building or a room, it has become extremely important to have a competent Partner for all various Raceway installations and applications.

Size of support bracket slot for using R&M T-Bolt

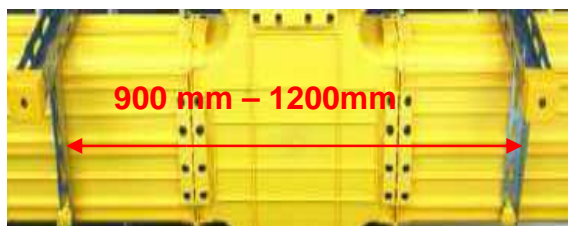


Wall and support bracket

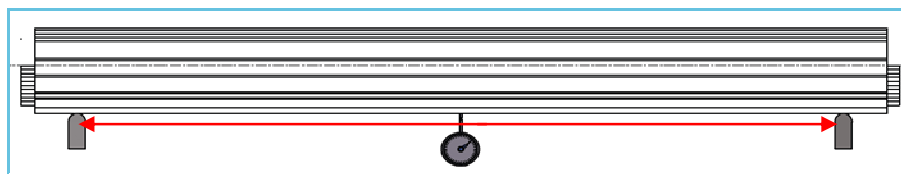
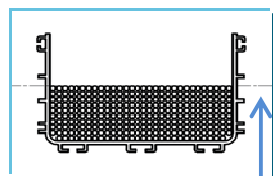


When used T-Bolt (R&M)

Recommended supporter distance (Wall- and supporter bracket)



| Part | Size / mm(inch) | Patch cord/2.0mm (50%) | | Patch cord/2.0mm (70%) | |
|---------------------------------------|------------------------|------------------------|---------------|------------------------|---------------|
| | | Capacity(ea) | Weight(g) | Capacity(ea) | Weight(g) |
| Main Duct | 100 x 100 (4") | 1,390 | 6,950 | 1,900 | 9,500 |
| | 160 x 100 (6") | 2,250 | 11,250 | 3,100 | 15,500 |
| | 220 x 100 (8") | 3,100 | 15,500 | 4,300 | 21,500 |
| | 300 x 100 (12") | 4,240 | 21,200 | 5,900 | 29,500 |
| Distance Between Mounting Brackets | | 900mm | | | |



Sagging Deviation: **less than 2mm**

Patch cord(2.0mm)

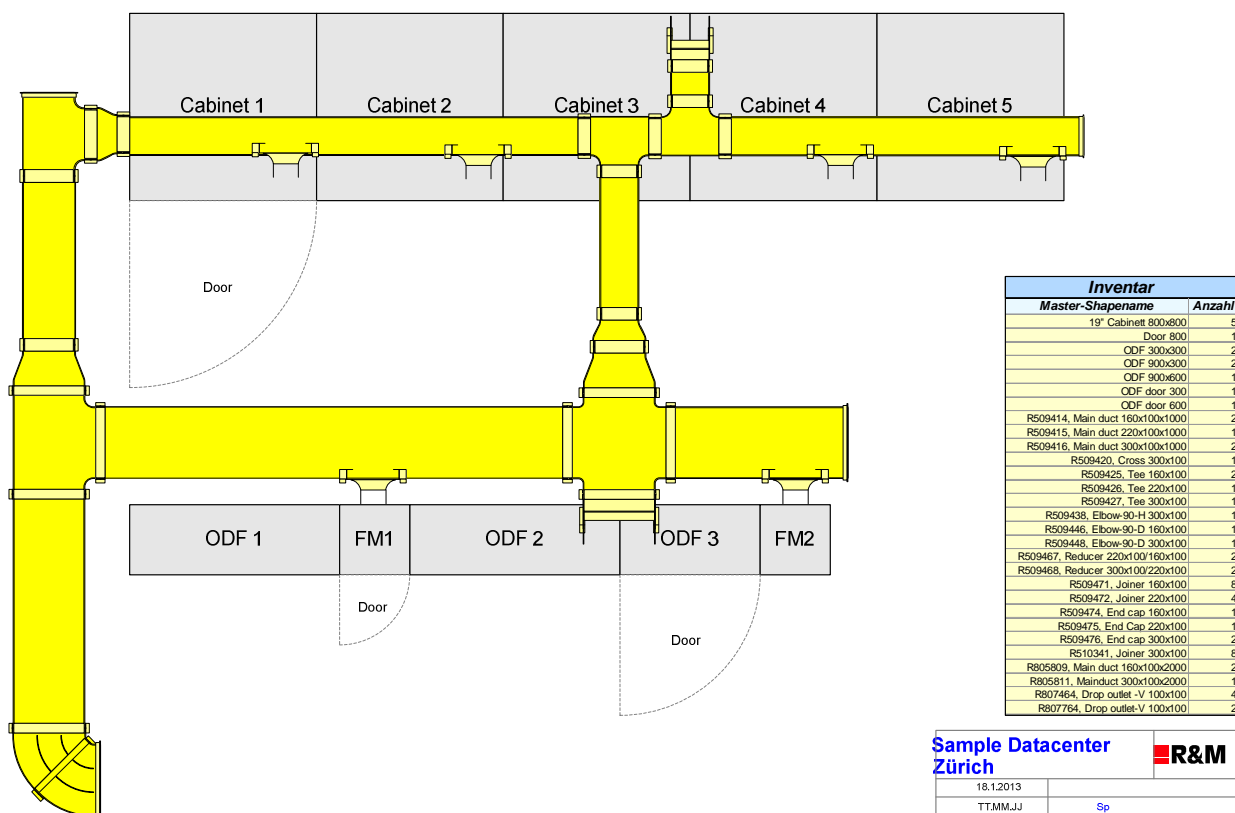
Before and after loading Patch cords **50%** and **70%**

Visio and AutoCAD planning help and configurator for Raceway System

Additional design helps for an easy planning of the Raceway System.

The Visio shapes (.vss) and AutoCAD (.dxf) files are ready to download directly from:

Internet: <http://www.rdm.com/en/co/service/downloads-2/planning-and-documentation.aspx>



| | | |
|--------------------------|----|-----|
| Sample Datacenter Zürich | | R&M |
| 18.12.2013 | | |
| TTMMJJ | Sp | |