



48.3 x 3 mm

M29

## Length

|                                                                                   |          |    |
|-----------------------------------------------------------------------------------|----------|----|
|  | Ladder   | 10 |
|  | Triangle | 12 |
|  | Square   | 13 |

## Corners

|                                                                                   |          |    |
|-----------------------------------------------------------------------------------|----------|----|
|  | Ladder   | 14 |
|  | Triangle | 16 |
|  | Square   | 18 |

## Circle

|                                                                                     |          |    |
|-------------------------------------------------------------------------------------|----------|----|
|  | Ladder   | 20 |
|  | Triangle | 20 |
|  | Square   | 20 |

## Accessories

21



## Ladder - M29L

| Code   | Length |
|--------|--------|
| 121001 | 21 cm  |
| 121002 | 25 cm  |
| 121003 | 50 cm  |
| 121004 | 71 cm  |
| 121005 | 100 cm |
| 121007 | 200 cm |
| 121009 | 300 cm |
| 121011 | 400 cm |

 Load table single span, supported sideways every 1 meter at top chord M29L

| Span<br>m | CPL<br>kg | Deflection<br>mm | 2 x load<br>kg | Deflection<br>mm | 3 x load<br>kg | Deflection<br>mm | 4 x load<br>kg | Deflection<br>mm | UDL<br>kg/m | Deflection<br>mm |
|-----------|-----------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|-------------|------------------|
| 2.0       | 976.5     | 4                | 488.3          | 5                | 325.5          | 4                | 244.1          | 5                | 488.3       | 5                |
| 3.0       | 779.0     | 8                | 486.9          | 10               | 324.6          | 10               | 243.5          | 10               | 324.6       | 10               |
| 4.0       | 625.0     | 15               | 422.3          | 19               | 323.7          | 17               | 242.8          | 19               | 242.8       | 18               |
| 5.0       | 520.9     | 23               | 357.8          | 29               | 286.7          | 27               | 223.8          | 29               | 193.7       | 28               |
| 6.0       | 445.7     | 33               | 309.8          | 42               | 241.9          | 39               | 190.6          | 42               | 161.0       | 41               |
| 8.0       | 343.8     | 58               | 243.0          | 74               | 183.1          | 69               | 146.2          | 74               | 96.0        | 73               |
| 10.0      | 277.6     | 91               | 198.5          | 116              | 146.2          | 108              | 117.6          | 116              | 60.9        | 114              |
| 11.0      | 252.3     | 110              | 181.3          | 140              | 132.3          | 131              | 106.8          | 140              | 50.0        | 137              |
| 12.0      | 230.7     | 131              | 166.5          | 167              | 120.5          | 155              | 97.5           | 167              | 41.7        | 164              |

 Load table single span, supported sideways every 2 meter at top chord M29L

| Span<br>m | CPL<br>kg | Deflection<br>mm | 2 x load<br>kg | Deflection<br>mm | 3 x load<br>kg | Deflection<br>mm | 4 x load<br>kg | Deflection<br>mm | UDL<br>kg/m | Deflection<br>mm |
|-----------|-----------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|-------------|------------------|
| 2.0       | 389.0     | 1                | 291.8          | 1                | 194.5          | 1                | 162.1          | 1                | 389.0       | 1                |
| 3.0       | 257.1     | 2                | 192.8          | 3                | 128.5          | 2                | 107.1          | 3                | 171.4       | 2                |
| 4.0       | 190.5     | 4                | 142.8          | 5                | 95.2           | 4                | 79.4           | 5                | 95.2        | 4                |
| 5.0       | 149.9     | 6                | 112.4          | 7                | 75.0           | 7                | 62.5           | 7                | 60.0        | 7                |
| 6.0       | 122.5     | 8                | 91.9           | 10               | 61.2           | 9                | 51.0           | 10               | 40.8        | 10               |
| 8.0       | 87.1      | 14               | 65.3           | 18               | 43.6           | 17               | 36.3           | 18               | 21.8        | 18               |
| 10.0      | 64.8      | 22               | 48.6           | 28               | 32.4           | 26               | 27.0           | 28               | 13.0        | 28               |
| 11.0      | 56.4      | 27               | 42.3           | 34               | 28.2           | 32               | 23.5           | 34               | 10.2        | 33               |
| 12.0      | 49.1      | 32               | 36.8           | 41               | 24.5           | 38               | 20.5           | 41               | 8.2         | 40               |

## Load table free span M29L

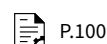
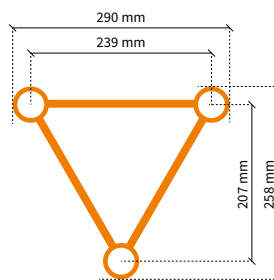
|  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Span<br><b>m</b>                                                                  | CPL<br><b>kg</b>                                                                  | Deflection<br><b>mm</b>                                                           | 2 x load<br><b>kg</b>                                                             | Deflection<br><b>mm</b>                                                           | 3 x load<br><b>kg</b>                                                             | Deflection<br><b>mm</b>                                                           | 4 x load<br><b>kg</b>                                                               | Deflection<br><b>mm</b>                                                             | UDL<br><b>kg/m</b>                                                                  | Deflection<br><b>mm</b>                                                             |
| 1.0                                                                               | 979.2                                                                             | 1                                                                                 | 489.6                                                                             | 1                                                                                 | 326.4                                                                             | 1                                                                                 | 244.8                                                                               | 1                                                                                   | 979.2                                                                               | 1                                                                                   |
| 2.0                                                                               | 389.0                                                                             | 1                                                                                 | 291.8                                                                             | 1                                                                                 | 194.5                                                                             | 1                                                                                 | 162.1                                                                               | 1                                                                                   | 389.0                                                                               | 1                                                                                   |
| 3.0                                                                               | 234.0                                                                             | 2                                                                                 | 176.0                                                                             | 2                                                                                 | 117.0                                                                             | 2                                                                                 | 98.0                                                                                | 2                                                                                   | 156.0                                                                               | 2                                                                                   |
| 4.0                                                                               | 146.0                                                                             | 3                                                                                 | 110.0                                                                             | 3                                                                                 | 73.0                                                                              | 3                                                                                 | 61.0                                                                                | 3                                                                                   | 73.0                                                                                | 3                                                                                   |
| 5.0                                                                               | 90.0                                                                              | 3                                                                                 | 68.0                                                                              | 4                                                                                 | 45.0                                                                              | 4                                                                                 | 38.0                                                                                | 4                                                                                   | 36.0                                                                                | 4                                                                                   |

 Find complete loading tables on [SIXTY82.nl](https://www.sixty82.nl)

**All loading data is based on calculations per EN-1999-1-1 and the following assumptions:**

- Static loads only.
- Spans supported or suspended at both ends.
- Triangle trusses solely used apex-up, apex-down.
- 2 chords truss to be placed upright, supported from top chord and loaded from bottom chord.
- Truss spans can be constructed of elements of different length.
- Interaction between bending moment and shear force considered.
- Self-weight of truss is already considered.
- Assembled truss systems need an individual structural calculation. Please contact SIXTY82 or a structural engineer.
- Read the manual before use.
- Higher loading can be allowed depending on the truss configuration.





## Triangle - M29TX

Code Length

|        |        |
|--------|--------|
| 112001 | 21 cm  |
| 112002 | 25 cm  |
| 112003 | 29 cm  |
| 112004 | 50 cm  |
| 112005 | 71 cm  |
| 112006 | 100 cm |
| 112007 | 150 cm |
| 112008 | 200 cm |
| 112009 | 250 cm |
| 112010 | 300 cm |
| 112012 | 400 cm |

## Load table M29TX

| Span | CPL   | Deflection | 2 x load | Deflection | 3 x load | Deflection | 4 x load | Deflection | UDL   | Deflection |
|------|-------|------------|----------|------------|----------|------------|----------|------------|-------|------------|
| m    | kg    | mm         | kg       | mm         | kg       | mm         | kg       | mm         | kg/m  | mm         |
| 2.0  | 813.0 | 3          | 557.0    | 4          | 449.0    | 4          | 349.7    | 4          | 847.0 | 4          |
| 4.0  | 444.8 | 12         | 317.5    | 16         | 234.6    | 15         | 188.6    | 16         | 248.1 | 16         |
| 6.0  | 302.2 | 28         | 219.5    | 36         | 156.6    | 33         | 127.5    | 36         | 108.4 | 35         |
| 8.0  | 225.4 | 50         | 165.6    | 64         | 115.7    | 59         | 94.9     | 64         | 59.5  | 62         |
| 10.0 | 176.6 | 78         | 130.9    | 99         | 90.1     | 92         | 74.3     | 99         | 36.8  | 97         |
| 12.0 | 142.3 | 112        | 106.4    | 143        | 72.3     | 133        | 59.9     | 143        | 24.5  | 140        |
| 14.0 | 116.5 | 152        | 87.9     | 194        | 59.1     | 181        | 49.1     | 194        | 17.1  | 190        |
| 16.0 | 96.2  | 199        | 73.3     | 254        | 48.6     | 236        | 40.6     | 254        | 12.3  | 248        |
| 20.0 | 65.4  | 311        | 49.8     | 397        | 32.9     | 369        | 27.7     | 397        | 6.6   | 388        |

## Cantilever load

| Span | 1 x Load | Deflection | UDL    | Deflection |
|------|----------|------------|--------|------------|
| m    | kg       | mm         | kg/m   | mm         |
| 0.5  | 708.0    | 0          | 1697.3 | 0          |
| 1.0  | 406.0    | 1          | 706.1  | 2          |
| 1.5  | 287.6    | 5          | 338.2  | 4          |
| 2.0  | 221.8    | 11         | 201.0  | 8          |
| 2.5  | 179.8    | 22         | 132.7  | 12         |
| 3.0  | 150.5    | 39         | 93.7   | 18         |
| 3.5  | 128.8    | 62         | 69.4   | 25         |
| 4.0  | 112.0    | 92         | 53.2   | 34         |

## Multiple supported span

| Span | CPL   | Deflection | 2 x load | Deflection | UDL   | Deflection |
|------|-------|------------|----------|------------|-------|------------|
| m    | kg    | mm         | kg       | mm         | kg/m  | mm         |
| 2.0  | 953.3 | 1          | 530.5    | 1          | 676.9 | 1          |
| 4.0  | 545.4 | 6          | 301.6    | 5          | 191.9 | 5          |
| 6.0  | 379.6 | 14         | 210.9    | 13         | 90.7  | 12         |
| 8.0  | 286.5 | 25         | 159.6    | 23         | 51.9  | 21         |
| 10.0 | 226.1 | 39         | 126.2    | 36         | 33.0  | 33         |
| 12.0 | 183.0 | 55         | 102.3    | 50         | 22.3  | 47         |
| 14.0 | 150.3 | 71         | 84.1     | 65         | 15.8  | 61         |
| 16.0 | 124.3 | 88         | 69.6     | 80         | 11.5  | 75         |
| 20.0 | 84.7  | 117        | 47.4     | 107        | 6.3   | 117        |

 Find complete loading tables on [SIXTY82.nl](https://www.sixty82.nl)

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- Static loads only.
- Spans supported or suspended at both ends.
- Triangle trusses solely used apex-up, apex-down.
- 2 chords truss to be placed upright, supported from top chord and loaded from bottom chord.
- Truss spans can be constructed of elements of different length.

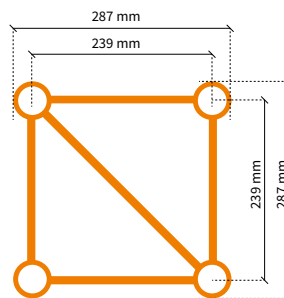
- Interaction between bending moment and shear force considered.
- Self-weight of truss is already considered.
- Assembled truss systems need an individual structural calculation. Please contact SIXTY82 or a structural engineer.
- Read the manual before use.
- Higher loading can be allowed depending on the truss configuration.



48.3 x 3 mm

# Length Square

M29S



6.3 Kg/m

((RFID))  
READY

M



P.100



ALU/BLACK

## Square - M29S

| Code   | Length |
|--------|--------|
| 128001 | 21 cm  |
| 128002 | 25 cm  |
| 128003 | 29 cm  |
| 128004 | 50 cm  |
| 128005 | 71 cm  |
| 128015 | 75 cm  |
| 128006 | 100 cm |
| 128007 | 150 cm |
| 128008 | 200 cm |
| 128009 | 250 cm |
| 128010 | 300 cm |
| 128012 | 400 cm |

## Load table M29S

| Span | CPL    | Deflection | 2 x load | Deflection | 3 x load | Deflection | 4 x load | Deflection | UDL   | Deflection |
|------|--------|------------|----------|------------|----------|------------|----------|------------|-------|------------|
| m    | kg     | mm         | kg       | mm         | kg       | mm         | kg       | mm         | kg/m  | mm         |
| 2.0  | 1952.5 | 4          | 976.3    | 5          | 650.8    | 4          | 488.1    | 5          | 976.3 | 5          |
| 4.0  | 1308.4 | 15         | 941.5    | 19         | 647.1    | 17         | 485.3    | 19         | 485.3 | 18         |
| 6.0  | 921.5  | 33         | 649.9    | 42         | 492.3    | 39         | 392.3    | 42         | 321.6 | 41         |
| 8.0  | 705.9  | 58         | 505.5    | 74         | 371.2    | 69         | 299.1    | 74         | 195.7 | 73         |
| 10.0 | 567.4  | 91         | 410.7    | 116        | 295.3    | 108        | 239.7    | 116        | 123.2 | 114        |
| 12.0 | 470.1  | 131        | 343.2    | 167        | 243.0    | 155        | 198.3    | 167        | 83.8  | 164        |
| 14.0 | 397.3  | 178        | 292.3    | 228        | 204.3    | 211        | 167.5    | 228        | 60.1  | 223        |
| 16.0 | 340.4  | 233        | 252.2    | 297        | 174.3    | 276        | 143.4    | 297        | 44.7  | 291        |
| 20.0 | 256.0  | 364        | 192.3    | 464        | 130.3    | 431        | 107.9    | 464        | 26.5  | 454        |

## Cantilever load

| Span | 1 x Load | Deflection | UDL    | Deflection |
|------|----------|------------|--------|------------|
| m    | kg       | mm         | kg/m   | mm         |
| 0.5  | 980.5    | 0          | 1958.2 | 0          |
| 1.0  | 979.1    | 1          | 976.3  | 1          |
| 1.5  | 839.6    | 5          | 649.0  | 3          |
| 2.0  | 652.5    | 12         | 485.3  | 7          |
| 2.5  | 539.5    | 24         | 387.1  | 13         |
| 3.0  | 458.8    | 43         | 276.5  | 19         |
| 3.5  | 398.2    | 69         | 204.9  | 27         |
| 4.0  | 351.0    | 103        | 159.9  | 36         |

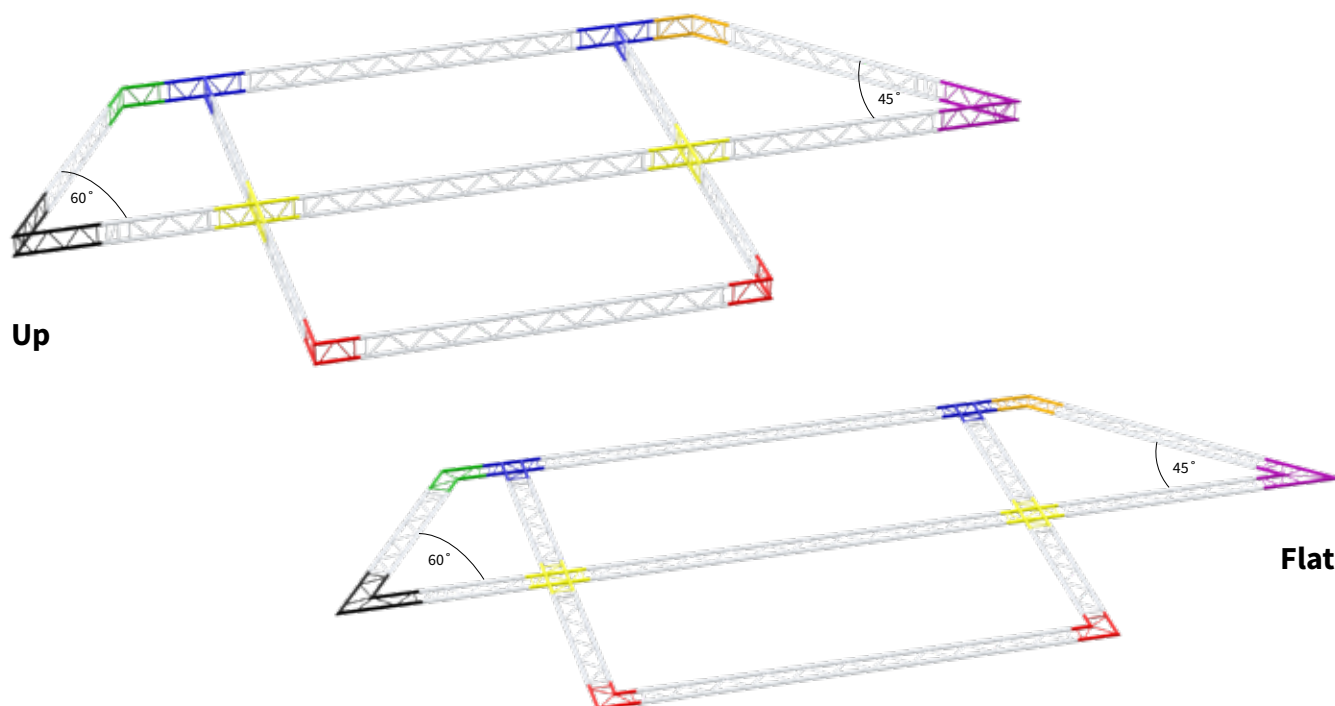
## Multiple supported span

| Span | CPL    | Deflection | 2 x Load | Deflection | UDL   | Deflection |
|------|--------|------------|----------|------------|-------|------------|
| m    | kg     | mm         | kg       | mm         | kg/m  | mm         |
| 2.0  | 1418.0 | 1          | 726.0    | 1          | 779.9 | 0          |
| 4.0  | 1407.7 | 6          | 715.4    | 5          | 387.1 | 4          |
| 6.0  | 1109.9 | 15         | 625.5    | 14         | 256.2 | 12         |
| 8.0  | 866.3  | 28         | 479.4    | 25         | 153.7 | 23         |
| 10.0 | 705.5  | 45         | 391.5    | 40         | 100.7 | 37         |
| 12.0 | 589.6  | 64         | 327.8    | 58         | 70.6  | 54         |
| 14.0 | 501.4  | 87         | 279.2    | 79         | 51.8  | 73         |
| 16.0 | 431.5  | 112        | 240.6    | 101        | 39.2  | 94         |
| 20.0 | 326.3  | 165        | 182.2    | 150        | 23.9  | 158        |

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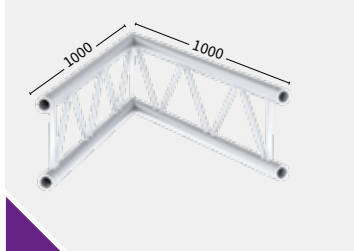


Show **S29L** in

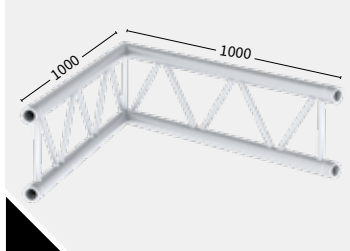


2way  
up

**M29L-C201U** 45° UP  
122001 5.35 kg



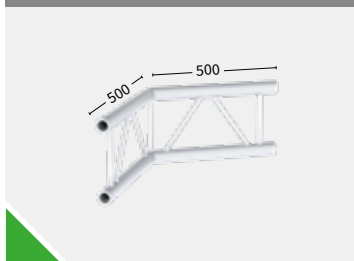
**M29L-C202U** 60° UP  
122002 5.43 kg



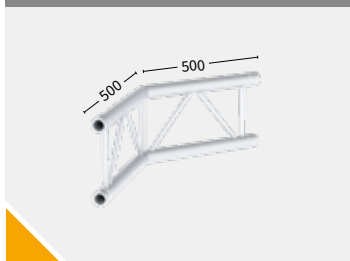
**M29L-C203U** 90° UP  
122003 2.92 kg



**M29L-C204U** 120° UP  
122004 2.96 kg

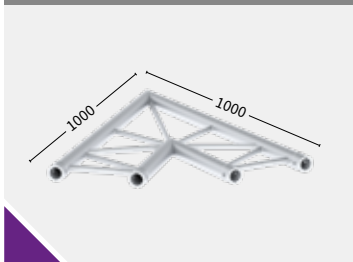


**M29L-C205U** 135° UP  
122005 2.99 kg

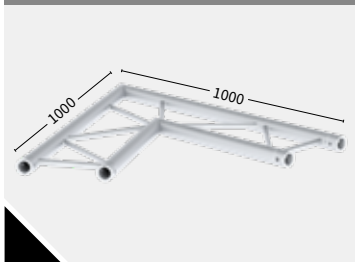


## 2way flat

**M29L-C201F** 45° FLAT  
123001 3.88 kg



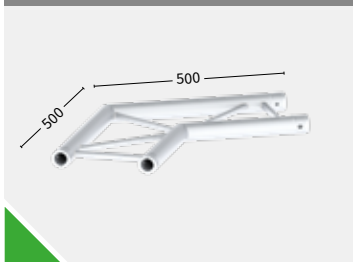
**M29L-C202F** 60° FLAT  
123002 4.28 kg



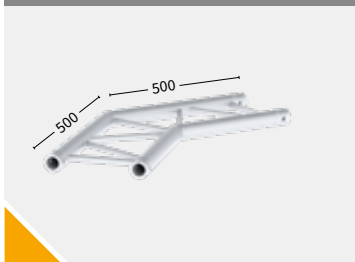
**M29L-C203F** 90° FLAT  
123003 2.28 kg



**M29L-C204F** 120° FLAT  
123004 2.56 kg

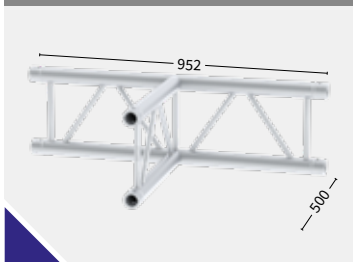


**M29L-C205F** 135° FLAT  
123005 2.75 kg

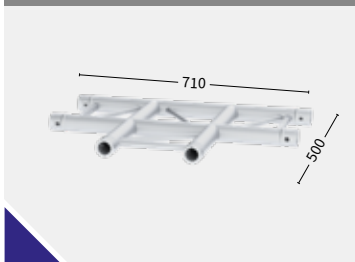


## 3way

**M29L-C317U** T JOINT UP  
122006 4.3 kg

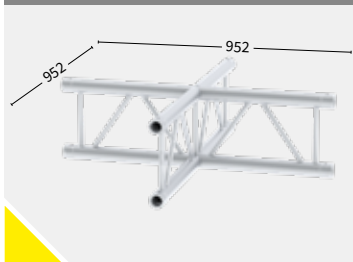


**M29L-C317F** T JOINT FLAT  
123006 3.51 kg

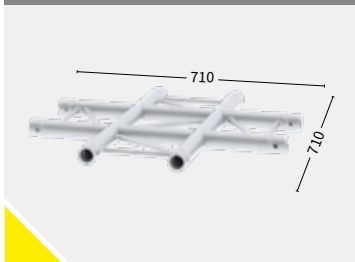


## 4way

**M29L-C416U** CROSS UP  
122007 5.73 kg



**M29L-C416F** CROSS FLAT  
123007 4.68 kg

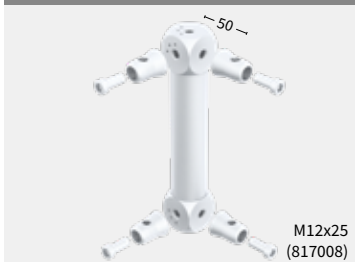


## Box

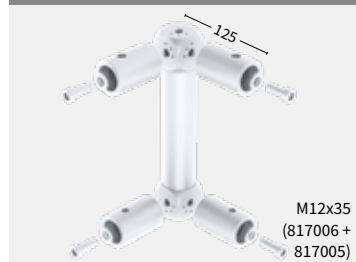
**M29L BOX CORNER**  
199003 1.1 kg



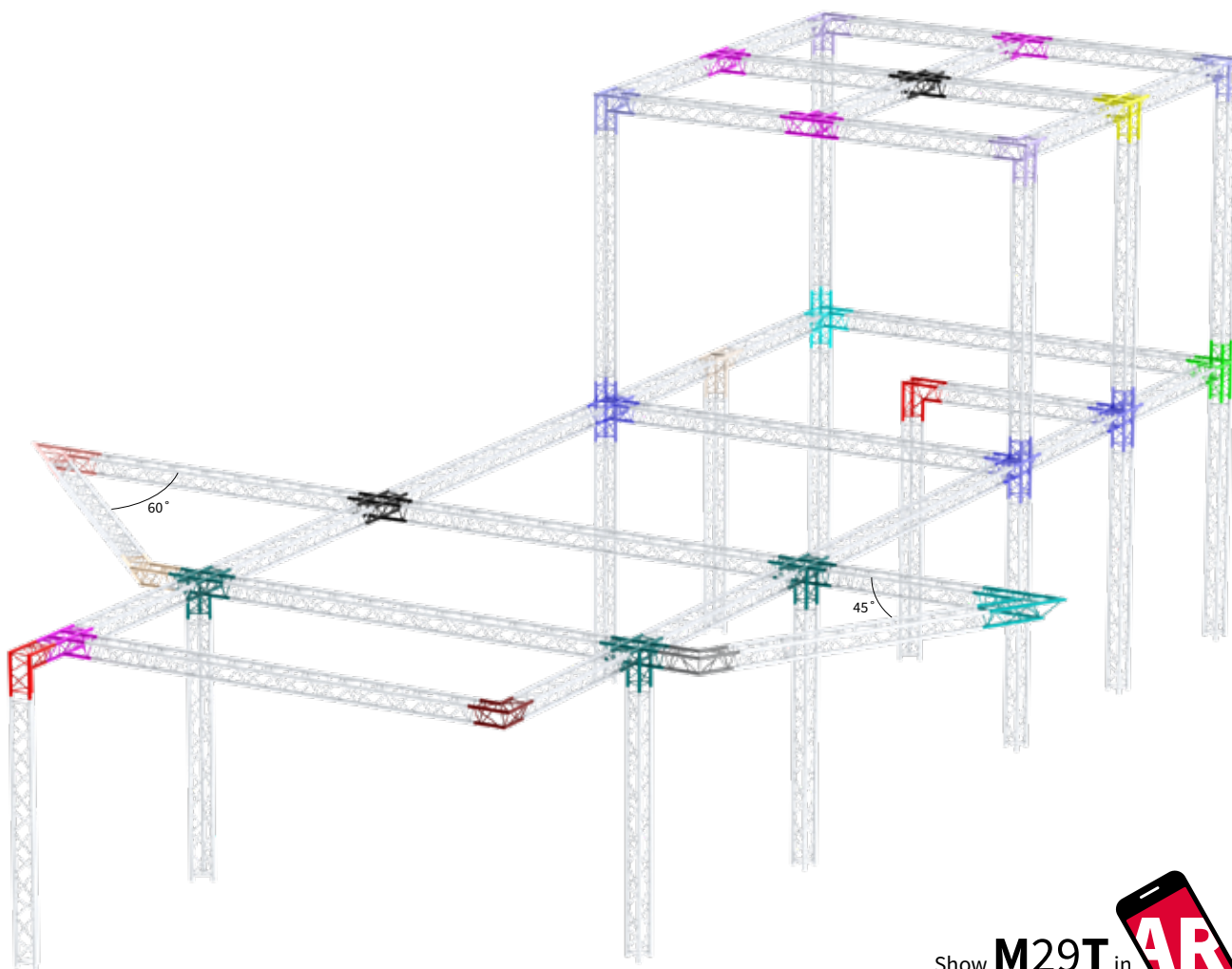
**HALF CONNECTOR** M52S  
202008



**RECEIVER** M51  
202009





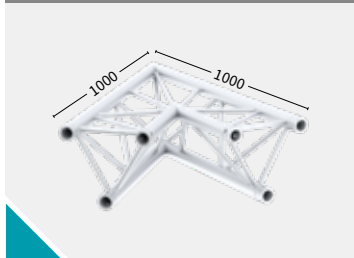


Show M29T in

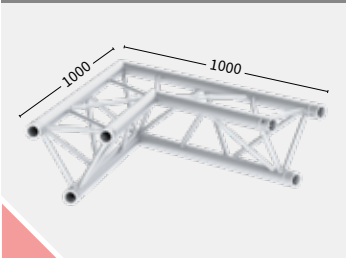


2way

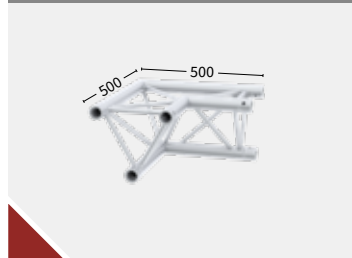
**M29T-C201** 45°  
126001 6.43 kg



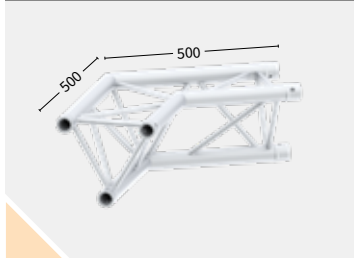
**M29T-C202** 60°  
126002 7.11 kg



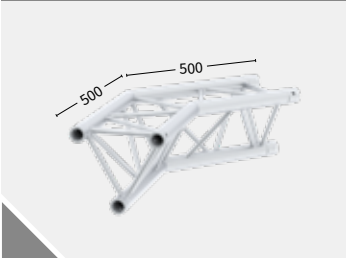
**M29T-C203** 90°  
126003 3.79 kg



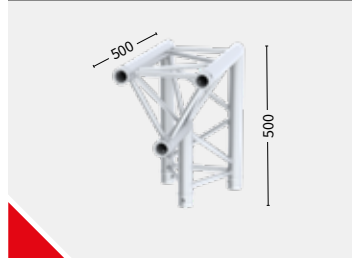
**M29T-C204** 120°  
126004 4.32 kg



**M29T-C205** 135°  
126005 4.63 kg



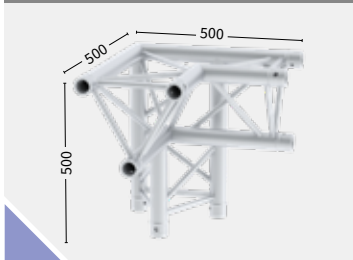
**M29T-C207** 90° VERTICAL  
126006 4.23 kg



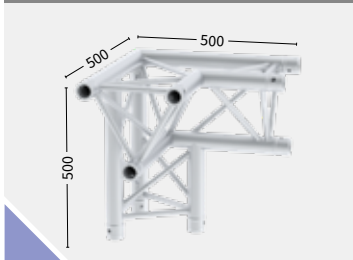


## 3way

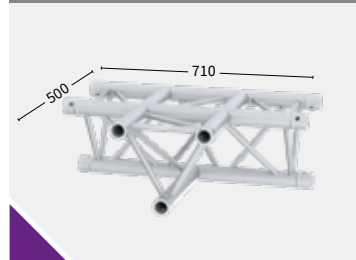
**M29T-C312** 90° RIGHT  
126007 5.75 kg



**M29T-C313** 90° LEFT  
126008 5.75 kg



**M29T-C317** T JOINT  
126009 5.71 kg

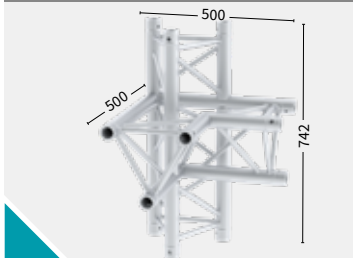


**M29T-C318** T JOINT VERTICAL  
126010 6.35 kg

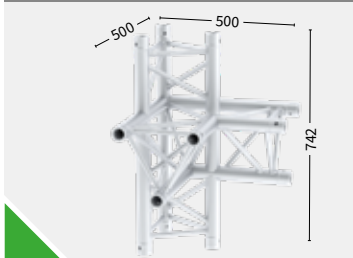


## 4way

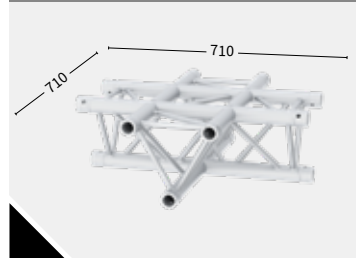
**M29T-C414** CROSS  
126011 7.47 kg



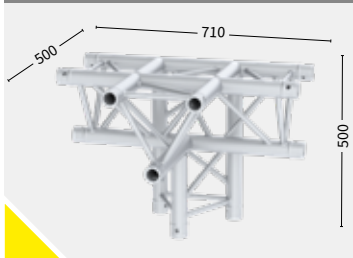
**M29T-C415** T JOINT  
126012 7.47 kg



**M29T-C416** CROSS  
126013 7.17 kg

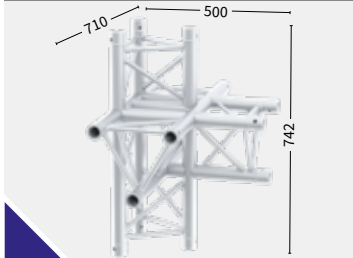


**M29T-C420** T JOINT  
126014 7.66 kg

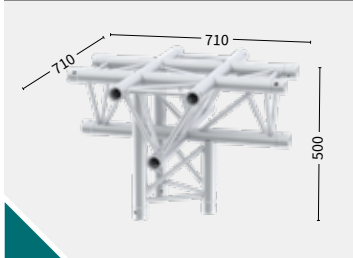


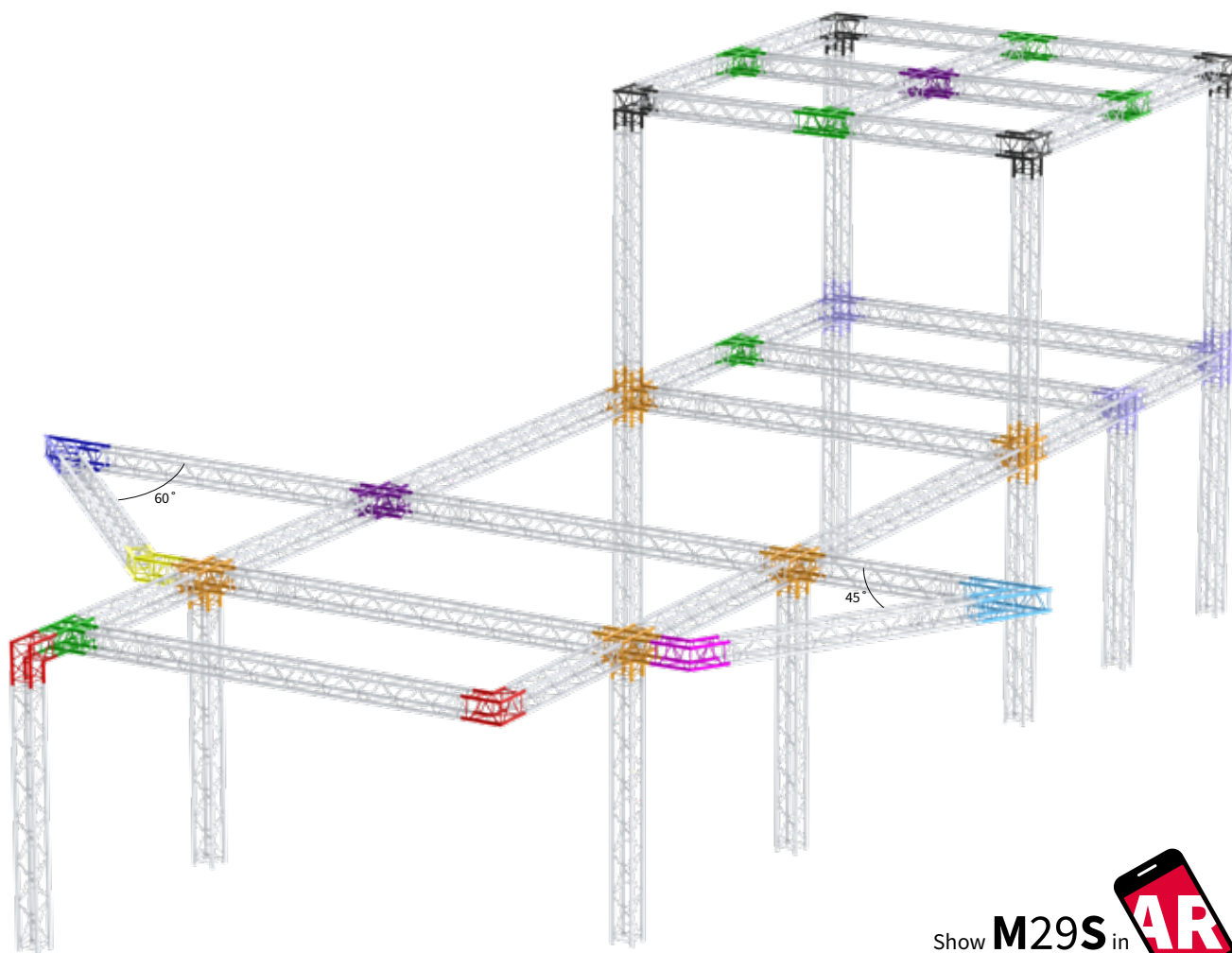
## 5way

**M29T-C521** T JOINT  
126015 9.47 kg



**M29T-C524** CROSS  
126016 9.06 kg



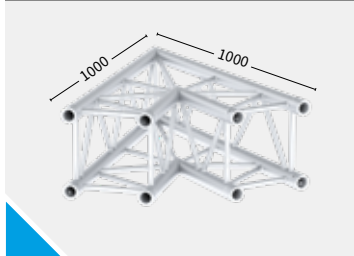


Show **M29S** in

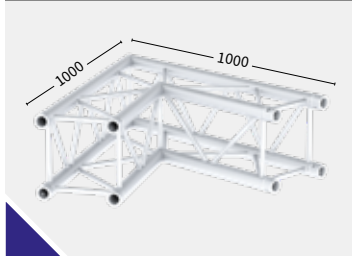


2way

**M29S-C201** **45°**  
129001 8.72 kg



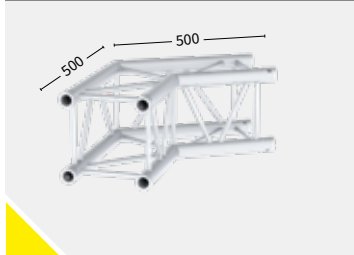
**M29S-C202** **60°**  
129002 9.61 kg



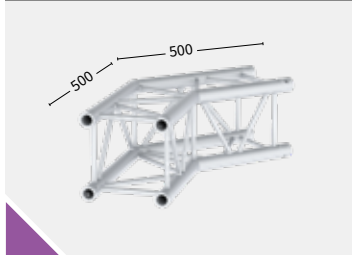
**M29S-C203** **90°**  
129003 5.13 kg



**M29S-C204** **120°**  
129004 5.83 kg

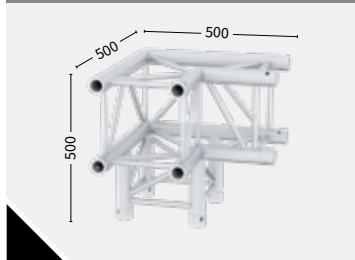


**M29S-C205** **135°**  
129005 6.21 kg

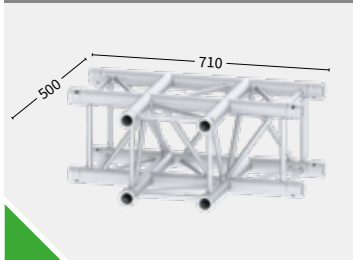


## 3way

**M29S-C312** 129006 **90° + LEG** 6.91 kg

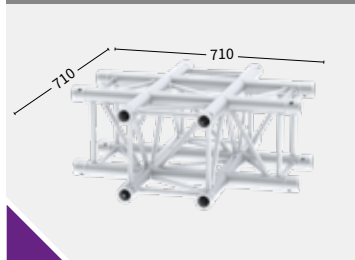


**M29S-C317** 129007 **T JOINT** 7.82 kg

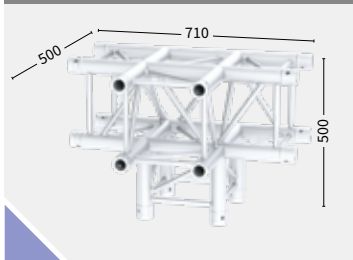


## 4way

**M29S-C416** 129008 **CROSS** 9.59 kg

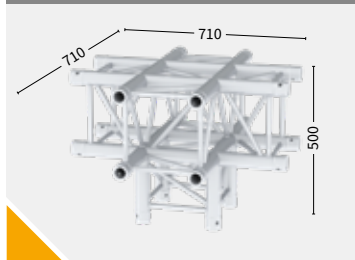


**M29S-C420** 129009 **T JOINT + LEG** 9.57 kg



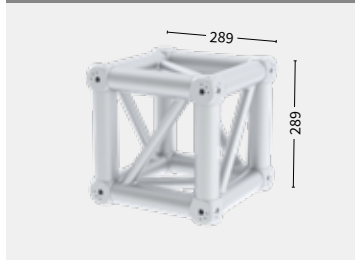
## 5way

**M29S-C524** 129010 **CROSS + LEG** 11.33 kg

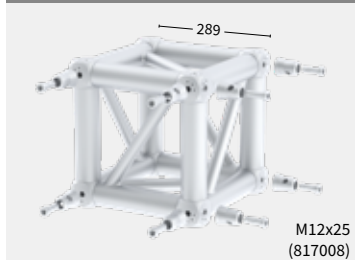


## BOX

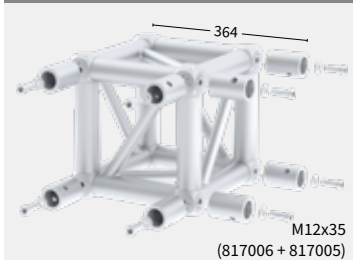
**M29S BOX CORNER** 199002 8.5 kg



**HALF CONNECTOR** 202008 **M52S** Locator pin



**RECEIVER** 202009 **M51** Locator pin





3.0 Kg/m

M

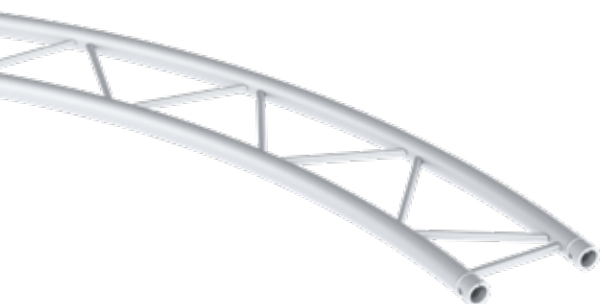
ALU/BLACK

((RFID))  
READY

P.100

### M29L Circle part - up

| Code   | Ø Diameter | Angle | Parts/Circle |
|--------|------------|-------|--------------|
| 124001 | 2.00 m     | 90    | 4            |
| 124002 | 3.00 m     | 90    | 4            |
| 124003 | 4.00 m     | 90    | 4            |
| 124004 | 5.00 m     | 90    | 4            |



3.0 Kg/m

M

ALU/BLACK

((RFID))  
READY

P.100

### M29L Circle part - flat

| Code   | Ø Diameter | Angle | Parts/Circle |
|--------|------------|-------|--------------|
| 124005 | 2.00 m     | 90    | 4            |
| 124006 | 3.00 m     | 90    | 4            |
| 124007 | 4.00 m     | 90    | 4            |
| 124008 | 5.00 m     | 90    | 4            |



5.0 Kg/m

M

ALU/BLACK

((RFID))  
READY

P.100

### M29T Circle part

| Code   | Ø Diameter | Angle | Parts/Circle |
|--------|------------|-------|--------------|
| 127001 | 2.00 m     | 90    | 4            |
| 127002 | 3.00 m     | 90    | 4            |
| 127003 | 4.00 m     | 90    | 4            |
| 127004 | 5.00 m     | 90    | 4            |
| 127005 | 6.00 m     | 45    | 8            |
| 127006 | 8.00 m     | 45    | 8            |
| 127007 | 10.00 m    | 45    | 8            |
| 127008 | 10.00 m    | 30    | 12           |



6.3 Kg/m

M

ALU/BLACK

((RFID))  
READY

P.100

### M29S Circle part

| Code   | Ø Diameter | Angle | Parts/Circle |
|--------|------------|-------|--------------|
| 130001 | 2.00 m     | 90    | 4            |
| 130002 | 3.00 m     | 90    | 4            |
| 130003 | 4.00 m     | 90    | 4            |
| 130004 | 5.00 m     | 90    | 4            |
| 130005 | 6.00 m     | 45    | 8            |
| 130006 | 8.00 m     | 45    | 8            |
| 130007 | 10.00 m    | 45    | 8            |
| 130008 | 10.00 m    | 30    | 12           |

• Subject to tolerance, because product is 100% handmade.

## BASE PLATE

211003

329 x 297 x 5 mm



Half connector (202007) and bolt (817003) not included

## BASE PLATE

211004

329 x 329 x 5 mm



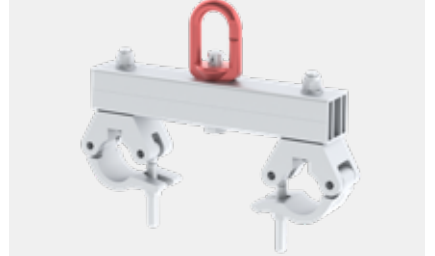
Half connector (202007) and bolt (817003) not included

## LIFTING BRACKET

212001

M29

WLL 1000 kg



## HANG-ON82

251003

M29 TO M29S-T

10.2 kg



NEW

## HANG-ON82

251004

M29 TO M29L

7.06 kg



NEW

## BOOK CORNER

198001

M29T-S



NEW

## WALL ADAPTER

212006

M29S-T



NEW

## BOOK-FIX

198004



## BASE PLATE STEEL

Code

Finish

M29/M39

35,0 kg

211009

Black

Ø 800 x 8 mm

211010

Zinc



Half connector not included

## BASE PLATE STEEL

Code

Finish

M29/M39

41,0 kg

211011

Black

800 x 800 x 8 mm

211012

Zinc



Half connector not included



48.3 x 3 mm

M39

## Length

|                                                                                   |           |    |
|-----------------------------------------------------------------------------------|-----------|----|
|  | Triangle  | 24 |
|  | Square    | 25 |
|  | Rectangle | 26 |

## Corners

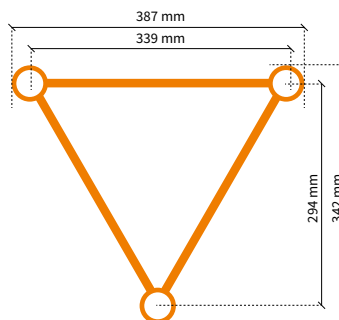
|                                                                                   |          |    |
|-----------------------------------------------------------------------------------|----------|----|
|  | Triangle | 28 |
|  | Square   | 30 |

## Circle

|                                                                                     |          |    |
|-------------------------------------------------------------------------------------|----------|----|
|  | Triangle | 32 |
|  | Square   | 32 |

## Accessories

33



## Triangle - M39T

Code Length

|        |        |
|--------|--------|
| 135002 | 25 cm  |
| 135004 | 50 cm  |
| 135005 | 81 cm  |
| 135006 | 100 cm |
| 135008 | 200 cm |
| 135010 | 300 cm |
| 135012 | 400 cm |

5.5 Kg/m

((RFID))  
READY

M

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ALU/BLACK

## △ ▽ Load table M39T

| Span<br>m | CPL<br>kg | Deflection<br>mm | 2 x load<br>kg | Deflection<br>mm | 3 x load<br>kg | Deflection<br>mm | 4 x load<br>kg | Deflection<br>mm | UDL<br>kg/m | Deflection<br>mm |
|-----------|-----------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|-------------|------------------|
| 2.0       | 1446.7    | 2                | 1013.7         | 3                | 725.9          | 3                | 544.4          | 3                | 1088.8      | 3                |
| 4.0       | 830.6     | 9                | 578.5          | 11               | 449.9          | 11               | 355.1          | 11               | 490.9       | 11               |
| 6.0       | 577.7     | 20               | 411.7          | 26               | 305.2          | 24               | 245.1          | 26               | 215.7       | 25               |
| 8.0       | 438.6     | 36               | 316.9          | 46               | 228.6          | 42               | 185.3          | 46               | 119.3       | 45               |
| 10.0      | 349.6     | 56               | 255.2          | 71               | 180.6          | 66               | 147.4          | 71               | 74.8        | 70               |
| 12.0      | 287.1     | 80               | 211.4          | 102              | 147.5          | 95               | 121.0          | 102              | 50.5        | 100              |
| 14.0      | 240.4     | 109              | 178.4          | 139              | 122.9          | 129              | 101.2          | 139              | 35.9        | 136              |
| 16.0      | 203.7     | 143              | 152.3          | 182              | 103.8          | 169              | 85.8           | 182              | 26.5        | 178              |
| 20.0      | 148.9     | 223              | 113.1          | 284              | 75.5           | 264              | 62.9           | 284              | 15.3        | 278              |

## △ ▽ Cantilever load

| Span<br>m | 1 x Load<br>kg | Deflection<br>mm | UDL<br>kg/m | Deflection<br>mm |
|-----------|----------------|------------------|-------------|------------------|
| 0.5       | 1092.2         | 0                | 2182.2      | 0                |
| 1.0       | 722.5          | 1                | 1088.8      | 1                |
| 1.5       | 527.3          | 3                | 610.0       | 3                |
| 2.0       | 414.1          | 8                | 359.0       | 5                |
| 2.5       | 340.0          | 15               | 241.5       | 8                |
| 3.0       | 287.6          | 27               | 173.2       | 12               |
| 3.5       | 248.4          | 43               | 130.0       | 17               |
| 4.0       | 217.9          | 64               | 100.8       | 23               |

## △ ▽ Multiple supported span

| Span<br>m | CPL<br>kg | Deflection<br>mm | 2 x Load<br>kg | Deflection<br>mm | UDL<br>kg/m | Deflection<br>mm |
|-----------|-----------|------------------|----------------|------------------|-------------|------------------|
| 2.0       | 1582.1    | 1                | 811.8          | 1                | 870.2       | 1                |
| 4.0       | 980.4     | 4                | 538.5          | 4                | 344.6       | 3                |
| 6.0       | 705.1     | 10               | 389.7          | 9                | 165.1       | 8                |
| 8.0       | 545.0     | 18               | 302.3          | 16               | 97.1        | 15               |
| 10.0      | 439.2     | 28               | 244.2          | 25               | 63.2        | 23               |
| 12.0      | 363.3     | 39               | 202.4          | 36               | 43.8        | 33               |
| 14.0      | 305.7     | 53               | 170.5          | 48               | 31.8        | 45               |
| 16.0      | 259.9     | 67               | 145.1          | 61               | 23.7        | 57               |
| 20.0      | 190.8     | 96               | 106.7          | 88               | 14.0        | 93               |

Find complete loading tables on [SIXTY82.nl](https://www.sixty82.nl)

All loading data is based on calculations per EN-1999-1-1 and the following assumptions:

- Static loads only.
- Spans supported or suspended at both ends.
- Triangle trusses solely used apex-up, apex-down.
- 2 chords truss to be placed upright, supported from top chord and loaded from bottom chord.
- Truss spans can be constructed of elements of different length.

- Interaction between bending moment and shear force considered.
- Self-weight of truss is already considered.
- Assembled truss systems need an individual structural calculation. Please contact SIXTY82 or a structural engineer.
- Read the manual before use.
- Higher loading can be allowed depending on the truss configuration.

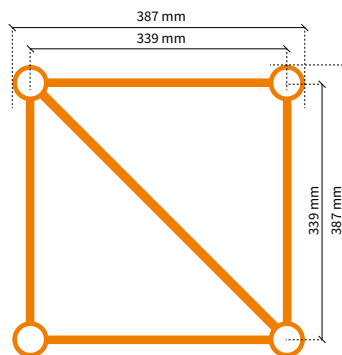




48.3 x 3 mm

# Length Square

M39S



6.9 Kg/m

((RFID))  
READY

M



P.100



ALU/BLACK

## Square - M39S

| Code   | Length |
|--------|--------|
| 138001 | 21 cm  |
| 138002 | 25 cm  |
| 138004 | 50 cm  |
| 138005 | 81 cm  |
| 138006 | 100 cm |
| 138008 | 200 cm |
| 138010 | 300 cm |
| 138012 | 400 cm |

## Load table M39S

| Span | CPL    | Deflection | 2 x load | Deflection | 3 x load | Deflection | 4 x load | Deflection | UDL    | Deflection |
|------|--------|------------|----------|------------|----------|------------|----------|------------|--------|------------|
| m    | kg     | mm         | kg       | mm         | kg       | mm         | kg       | mm         | kg/m   | mm         |
| 2.0  | 2512.6 | 3          | 1256.3   | 3          | 837.5    | 3          | 628.1    | 3          | 1256.3 | 3          |
| 4.0  | 1726.7 | 10         | 1227.7   | 13         | 833.4    | 12         | 625.0    | 13         | 625.0  | 13         |
| 6.0  | 1244.2 | 23         | 858.9    | 30         | 681.0    | 28         | 534.7    | 30         | 414.6  | 29         |
| 8.0  | 967.3  | 41         | 680.2    | 53         | 518.5    | 49         | 412.2    | 53         | 279.4  | 52         |
| 10.0 | 786.3  | 65         | 560.1    | 83         | 415.9    | 77         | 333.7    | 83         | 176.6  | 81         |
| 12.0 | 658.1  | 93         | 473.4    | 119        | 344.8    | 110        | 278.6    | 119        | 120.7  | 116        |
| 14.0 | 561.7  | 127        | 407.5    | 162        | 292.3    | 150        | 237.4    | 162        | 87.0   | 158        |
| 16.0 | 486.3  | 166        | 355.3    | 211        | 251.6    | 196        | 205.3    | 211        | 65.2   | 207        |
| 20.0 | 374.3  | 259        | 277.2    | 330        | 192.2    | 307        | 157.9    | 330        | 39.5   | 323        |

## Cantilever load

| Span | 1 x Load | Deflection | UDL    | Deflection |
|------|----------|------------|--------|------------|
| m    | kg       | mm         | kg/m   | mm         |
| 0.5  | 1260.9   | 0          | 2518.8 | 0          |
| 1.0  | 1259.4   | 1          | 1256.3 | 1          |
| 1.5  | 1107.4   | 3          | 835.4  | 2          |
| 2.0  | 861.1    | 8          | 625.0  | 4          |
| 2.5  | 721.3    | 16         | 498.8  | 8          |
| 3.0  | 619.5    | 29         | 365.4  | 13         |
| 3.5  | 541.9    | 47         | 270.9  | 18         |
| 4.0  | 480.8    | 71         | 212.0  | 24         |

## Multiple supported span

| Span | CPL    | Deflection | 2 x Load | Deflection | UDL    | Deflection |
|------|--------|------------|----------|------------|--------|------------|
| m    | kg     | mm         | kg       | mm         | kg/m   | mm         |
| 2.0  | 1825.1 | 0          | 935.5    | 0          | 1003.8 | 0          |
| 4.0  | 1813.8 | 4          | 923.8    | 3          | 498.8  | 2          |
| 6.0  | 1477.6 | 10         | 825.5    | 9          | 330.5  | 8          |
| 8.0  | 1154.3 | 19         | 635.7    | 17         | 204.7  | 15         |
| 10.0 | 954.6  | 30         | 527.5    | 27         | 134.0  | 25         |
| 12.0 | 808.2  | 44         | 447.7    | 40         | 95.5   | 36         |
| 14.0 | 695.7  | 60         | 386.1    | 55         | 70.9   | 50         |
| 16.0 | 606.0  | 79         | 336.8    | 71         | 54.4   | 66         |
| 20.0 | 470.3  | 119        | 262.0    | 108        | 34.1   | 112        |

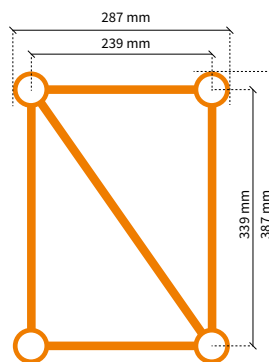
Find complete loading tables on [SIXTY82.nl](https://www.sixty82.nl)

All loading data is based on calculations per EN-1999-1-1 and the following assumptions:

- Static loads only.
- Spans supported or suspended at both ends.
- Triangle trusses solely used apex-up, apex-down.
- 2 chords truss to be placed upright, supported from top chord and loaded from bottom chord.
- Truss spans can be constructed of elements of different length.
- Interaction between bending moment and shear force considered.
- Self-weight of truss is already considered.
- Assembled truss systems need an individual structural calculation. Please contact SIXTY82 or a structural engineer.
- Read the manual before use.
- Higher loading can be allowed depending on the truss configuration.



48.3 x 3 mm

 6.9 Kg/m ((RFID))  
READY M P.100 ALU/BLACK

## Rectangle - M39R

| Code   | Length |
|--------|--------|
| 141001 | 21 cm  |
| 141001 | 25 cm  |
| 141004 | 50 cm  |
| 141005 | 81 cm  |
| 141006 | 100 cm |
| 141008 | 200 cm |
| 141010 | 300 cm |
| 141012 | 400 cm |

 Load table M39R

| Span | CPL    | Deflection | 2 x load | Deflection | 3 x load | Deflection | 4 x load | Deflection | UDL    | Deflection |
|------|--------|------------|----------|------------|----------|------------|----------|------------|--------|------------|
| m    | kg     | mm         | kg       | mm         | kg       | mm         | kg       | mm         | kg/m   | mm         |
| 2.0  | 2512.6 | 3          | 1256.3   | 3          | 837.5    | 3          | 628.1    | 3          | 1256.3 | 3          |
| 4.0  | 1726.7 | 10         | 1227.7   | 13         | 833.4    | 12         | 625.0    | 13         | 625.0  | 13         |
| 6.0  | 1244.2 | 23         | 858.9    | 30         | 681.0    | 28         | 534.7    | 30         | 414.6  | 29         |
| 8.0  | 967.3  | 41         | 680.2    | 53         | 518.5    | 49         | 412.2    | 53         | 279.4  | 52         |
| 10.0 | 786.3  | 65         | 560.1    | 83         | 415.9    | 77         | 333.7    | 83         | 176.6  | 81         |
| 12.0 | 658.1  | 93         | 473.4    | 119        | 344.8    | 110        | 278.6    | 119        | 120.7  | 116        |
| 14.0 | 561.7  | 127        | 407.5    | 162        | 292.3    | 150        | 237.4    | 162        | 87.0   | 158        |
| 16.0 | 486.3  | 166        | 355.3    | 211        | 251.6    | 196        | 205.3    | 211        | 65.2   | 207        |
| 20.0 | 374.3  | 259        | 277.2    | 330        | 192.2    | 307        | 157.9    | 330        | 39.5   | 323        |

 Cantilever load

| Span | 1 x Load | Deflection | UDL    | Deflection |
|------|----------|------------|--------|------------|
| m    | kg       | mm         | kg/m   | mm         |
| 0.5  | 1260.9   | 0          | 2518.8 | 0          |
| 1.0  | 1259.4   | 1          | 1256.3 | 1          |
| 1.5  | 1107.4   | 3          | 835.4  | 2          |
| 2.0  | 861.1    | 8          | 625.0  | 4          |
| 2.5  | 721.3    | 16         | 498.8  | 8          |
| 3.0  | 619.5    | 29         | 365.4  | 13         |
| 3.5  | 541.9    | 47         | 270.9  | 18         |
| 4.0  | 480.8    | 71         | 212.0  | 24         |

 Multiple supported span

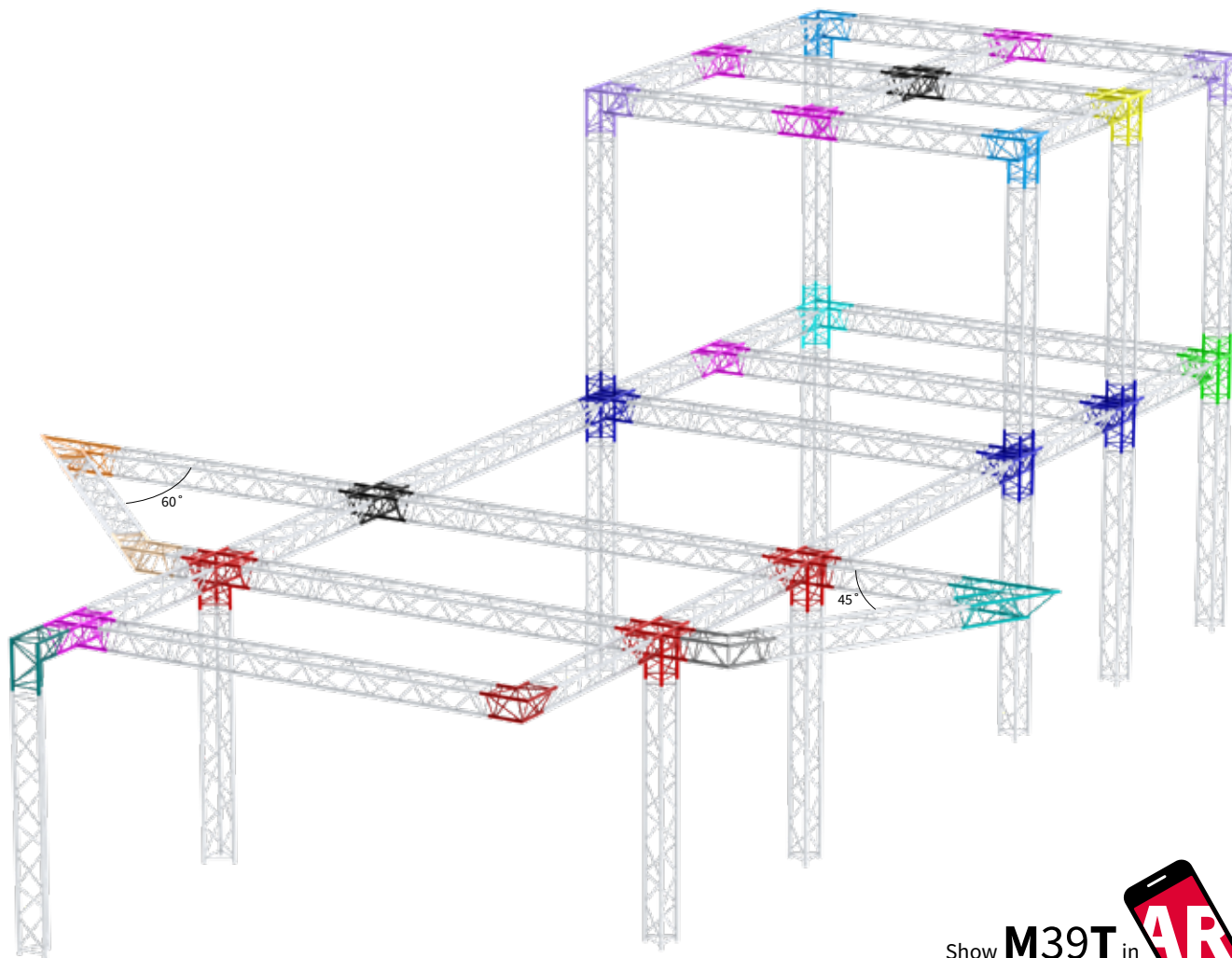
| Span | CPL    | Deflection | 2 x Load | Deflection | UDL    | Deflection |
|------|--------|------------|----------|------------|--------|------------|
| m    | kg     | mm         | kg       | mm         | kg/m   | mm         |
| 2.0  | 1825.1 | 0          | 935.5    | 0          | 1003.8 | 0          |
| 4.0  | 1813.8 | 4          | 923.8    | 3          | 498.8  | 2          |
| 6.0  | 1477.6 | 10         | 825.5    | 9          | 330.5  | 8          |
| 8.0  | 1154.3 | 19         | 635.7    | 17         | 204.7  | 15         |
| 10.0 | 954.6  | 30         | 527.5    | 27         | 134.0  | 25         |
| 12.0 | 808.2  | 44         | 447.7    | 40         | 95.5   | 36         |
| 14.0 | 695.7  | 60         | 386.1    | 55         | 70.9   | 50         |
| 16.0 | 606.0  | 79         | 336.8    | 71         | 54.4   | 66         |
| 20.0 | 470.3  | 119        | 262.0    | 108        | 34.1   | 112        |

 Find complete loading tables on [SIXTY82.nl](https://www.sixty82.nl)

All loading data is based on calculations per EN-1999-1-1 and the following assumptions:

- Static loads only.
- Spans supported or suspended at both ends.
- Triangle trusses solely used apex-up, apex-down.
- 2 chords truss to be placed upright, supported from top chord and loaded from bottom chord.
- Truss spans can be constructed of elements of different length.

- Interaction between bending moment and shear force considered.
- Self-weight of truss is already considered.
- Assembled truss systems need an individual structural calculation. Please contact SIXTY82 or a structural engineer.
- Read the manual before use.
- Higher loading can be allowed depending on the truss configuration.

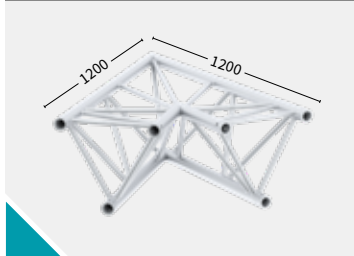


Show M39T in

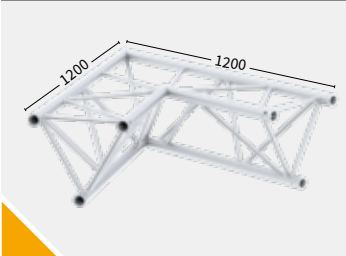


2way

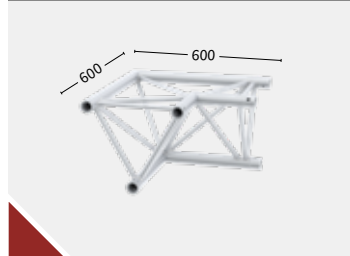
**M39T-C201** 45°  
136001 8.04 kg



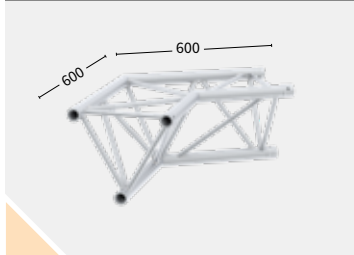
**M39T-C202** 60°  
136002 8.92 kg



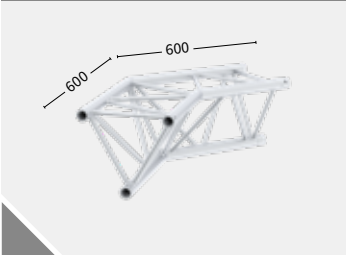
**M39T-C203** 90°  
136003 4.73 kg



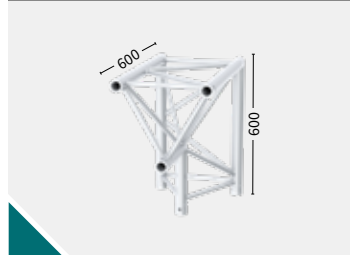
**M39T-C204** 120°  
136004 5.53 kg



**M39T-C205** 135°  
136005 5.99 kg

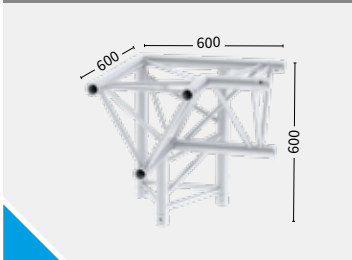


**M39T-C207** 90° VERTICAL  
136006 5.38 kg

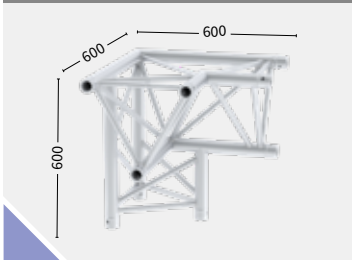


## 3way

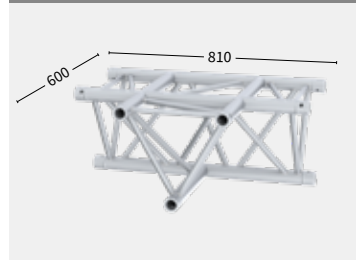
**M39T-C312** 90° RIGHT  
136007 7.22 kg



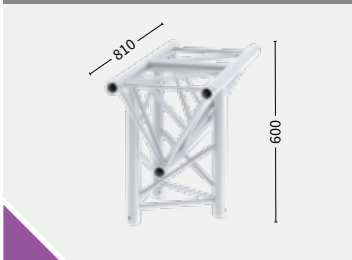
**M39T-C313** 90° LEFT  
136008 7.22 kg



**M39T-C317** T JOINT  
136009 7.15 kg

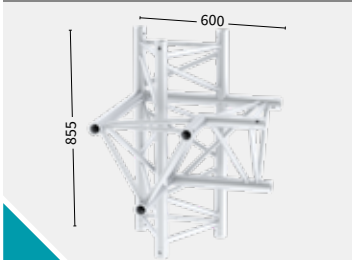


**M39T-C318 T JOINT VERTICAL**  
136010 7.78 kg

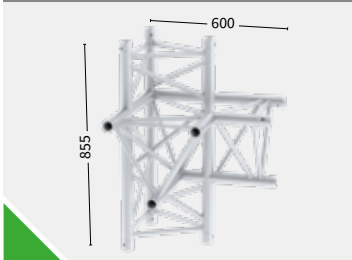


## 4way

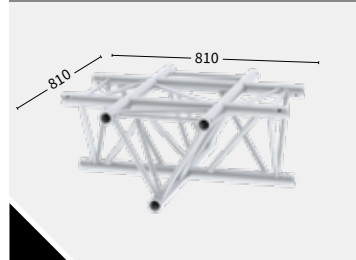
**M39T-C414** 90° RIGHT  
136011 9.31 kg



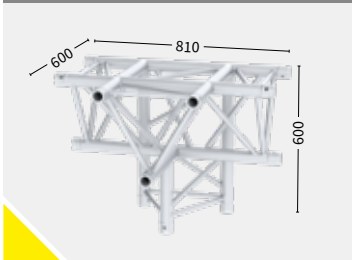
**M39T-C415** 90° LEFT  
136012 9.31 kg



**M39T-C416** CROSS  
136013 8.91 kg

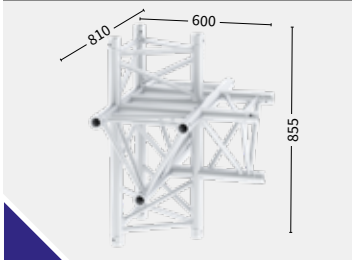


**M39T-C420** T JOINT  
136014 9.61 kg

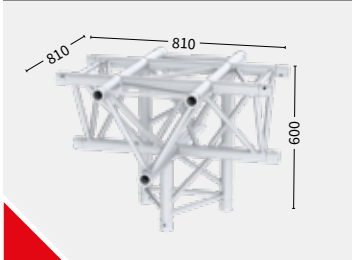


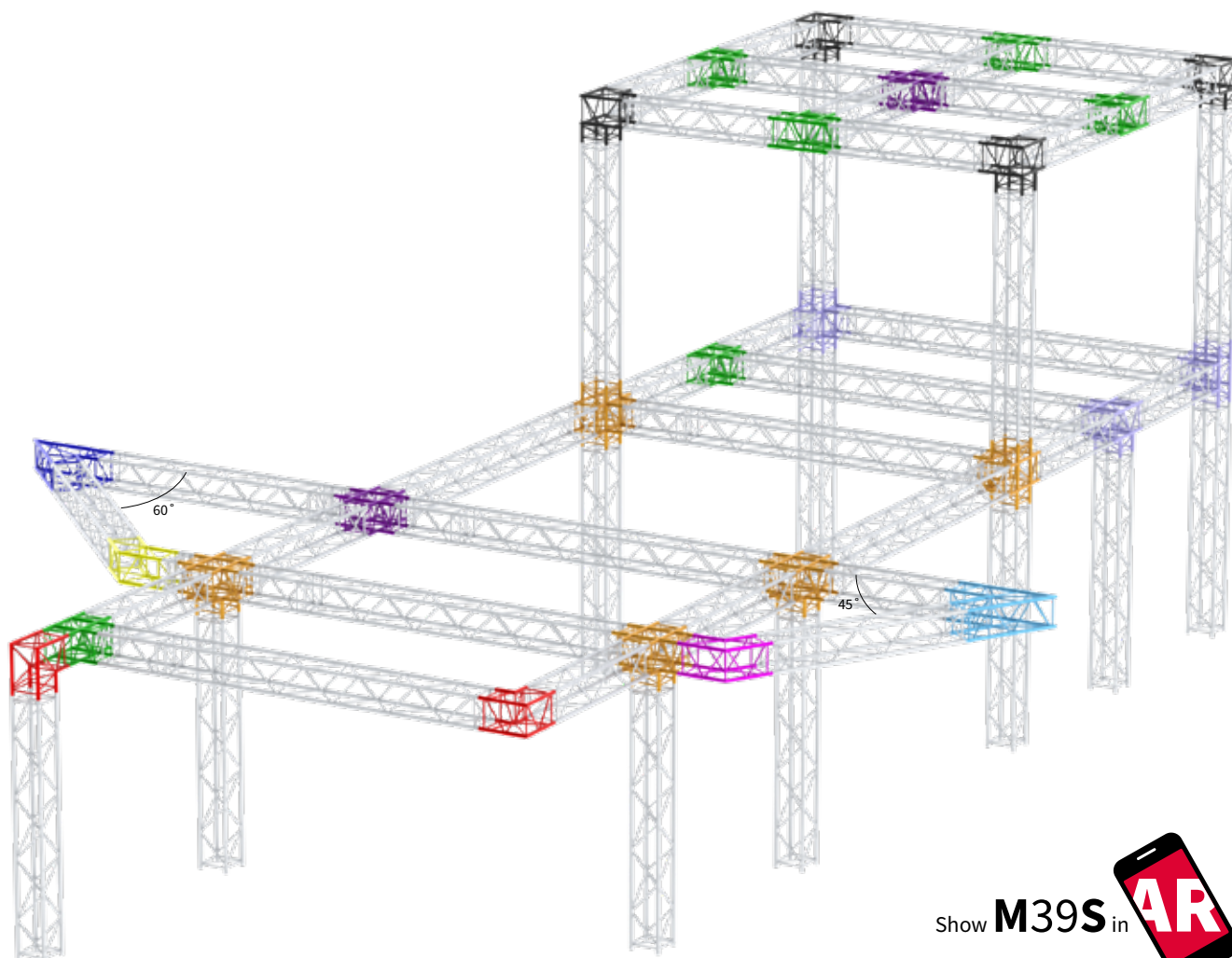
## 5way

**M39T-C521** T JOINT  
136015 11.8 kg



**M39T-C524** CROSS  
136016 11.34 kg



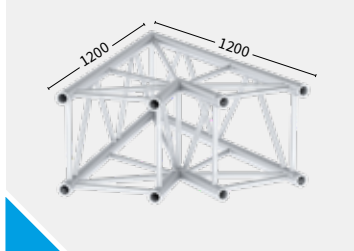


Show **M39S** in

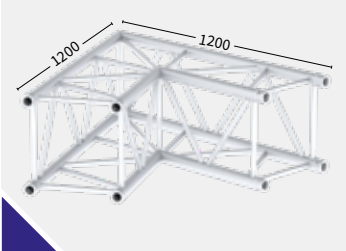


2way

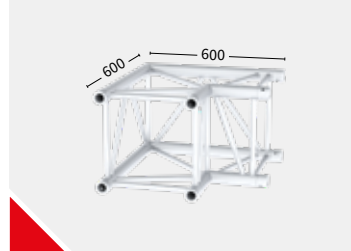
**M39S-C201** **45°**  
139001 10.23 kg



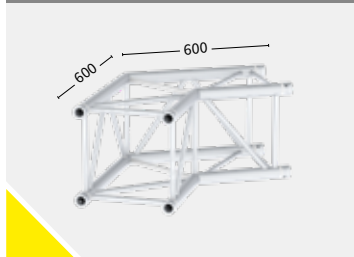
**M39S-C202** **60°**  
139002 12.02 kg



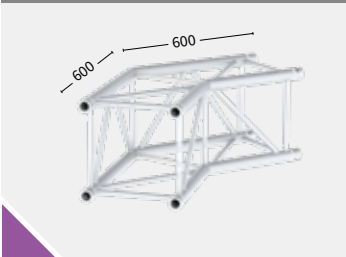
**M39S-C203** **90°**  
139003 6.51 kg



**M39S-C204** **120°**  
139004 7.16 kg



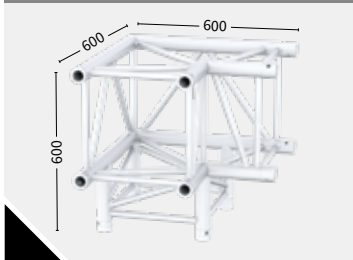
**M39S-C205** **135°**  
139005 7.5 kg



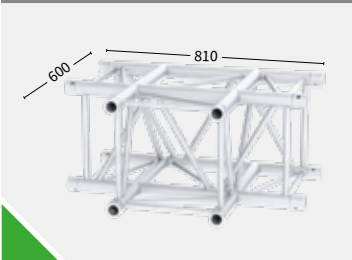


## 3way

**M39S-C312** 139006 **90° + LEG** 8.61 kg

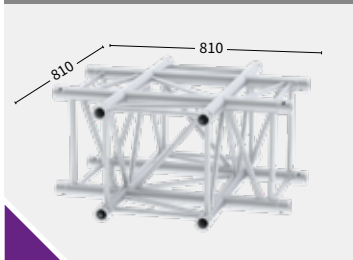


**M39S-C317** 139007 **T JOINT** 9.97 kg

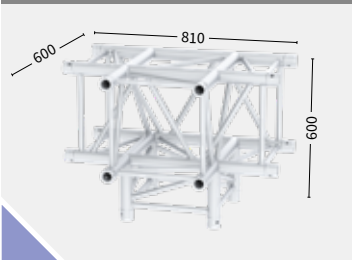


## 4way

**M39S-C416** 139008 **CROSS** 12.07 kg

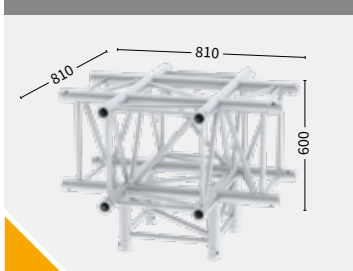


**M39S-C420** 139009 **T JOINT + LEG** 12.05 kg



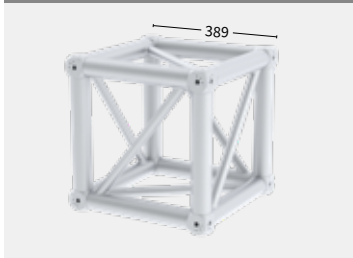
## 5way

**M39S-C524** 139010 **CROSS + LEG** 14.23 kg

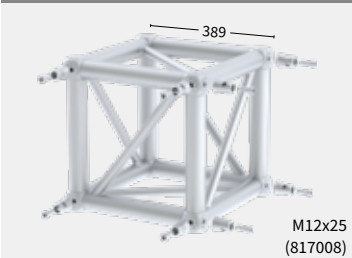


## Box

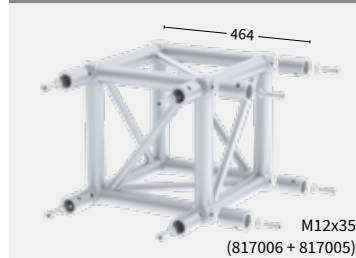
**M39S BOX CORNER** 199004 11.5 kg



**HALF CONNECTOR** **M52S** 202008 Locator pin

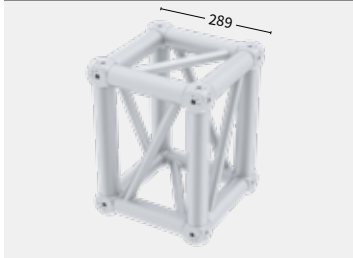


**RECEIVER** **M51** 202009 Locator pin

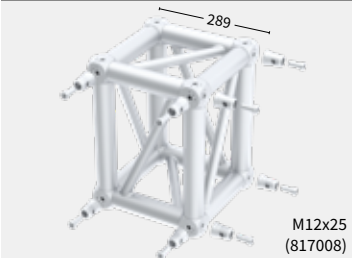


## Box

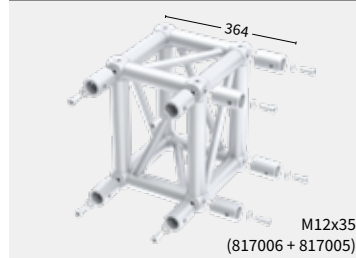
**M39R BOX CORNER** 199005 9.5 kg



**HALF CONNECTOR** **M52S** 202008 Locator pin

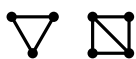


**RECEIVER** **M51** 202009 Locator pin



**M39**

# Circles



48.3 x 3 mm



6.3 Kg/m

M

ALU/BLACK

 ((RFID))  
READY

P.100

## M39T Circle part

| Code   | Ø Diameter | Angle | Parts/Circle |
|--------|------------|-------|--------------|
| 137001 | 2.00 m     | 90    | 4            |
| 137002 | 3.00 m     | 90    | 4            |
| 137003 | 4.00 m     | 90    | 4            |
| 137004 | 5.00 m     | 90    | 4            |
| 137005 | 6.00 m     | 45    | 8            |
| 137006 | 8.00 m     | 45    | 8            |
| 137007 | 10.00 m    | 45    | 8            |
| 137008 | 10.00 m    | 30    | 12           |

6.3 Kg/m

M

ALU/BLACK

 ((RFID))  
READY

P.100

## M39S Circle part

| Code   | Ø Diameter | Angle | Parts/Circle |
|--------|------------|-------|--------------|
| 140001 | 2.00 m     | 90    | 4            |
| 140002 | 3.00 m     | 90    | 4            |
| 140003 | 4.00 m     | 90    | 4            |
| 140004 | 5.00 m     | 90    | 4            |
| 140005 | 6.00 m     | 45    | 8            |
| 140006 | 8.00 m     | 45    | 8            |
| 140007 | 10.00 m    | 45    | 8            |
| 140008 | 10.00 m    | 30    | 12           |

- Subject to tolerance, because product is 100% handmade.

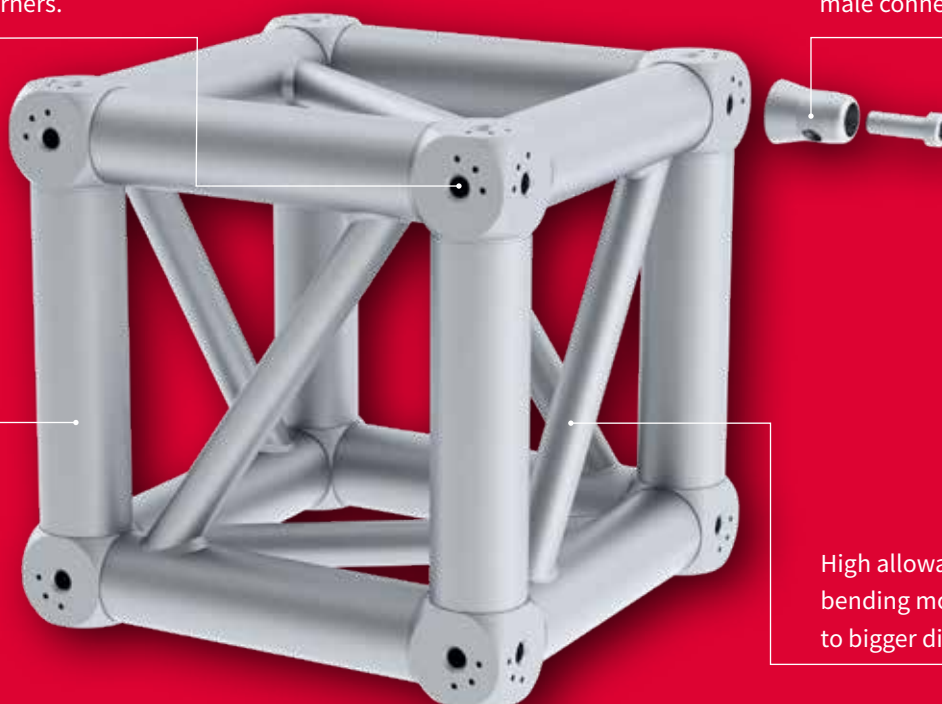
# BOX corner invention evolved

Locator pin design and special mail connector will allow much easier user configuration of box corners.

Higher shear force capacity due to lower eccentricity when using male connectors.

Less components giving increased user simplicity and better value.

High allowable bending moment due to bigger diagonal.





## BASE PLATE

211005

429 x 384 x 5 mm



Half connector (202007) and bolt (817003) not included

## BASE PLATE

211006

429 x 429 x 5 mm

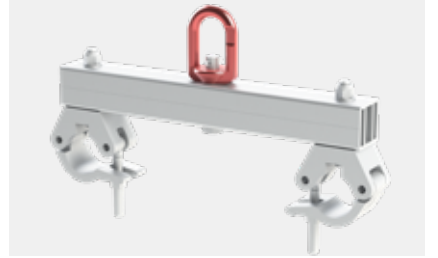


Half connector (202007) and bolt (817003) not included

## LIFTING BRACKET

212002

WLL 1000 kg



## HANG-ON82

251005

M39 TO M9S-T

11.72 kg



NEW

## HANG-ON82

251006

M39 TO M39S-T

13.1 kg



NEW

## HANG-ON82

251007

M39 TO M39L

8.58 kg



NEW

## WALL ADAPTER

212006

M39R



NEW

## BOOK CORNER

198005

M39T-S



NEW

## BASE PLATE STEEL

Code

Finish

M29/M39

35.0 kg

211009

Black

Ø 800 x 8 mm

211010

Zinc



Half connector not included

## BASE PLATE STEEL

Code

Finish

M29/M39

41.0 kg

211011

Black

800 x 800 x 8 mm

211012

Zinc



Half connector not included

**CONNECTOR**

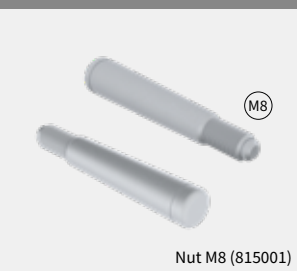
202001

**M00****SPIGOT**

202003

**M03****SPIGOT / THREAD**

202004

**M04**

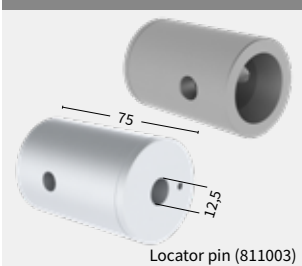
Nut M8 (815001)

**R-SPRING**

202005

**M05****RECEIVER 75 mm**

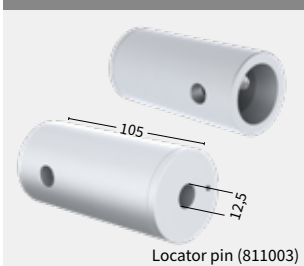
202009

**M51**

Locator pin (811003)

**RECEIVER 105 mm**

202026

**M53**

Locator pin (811003)

**HALF CONNECTOR**

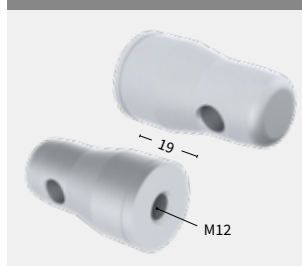
202008

**M52S**

Locator pin (811003)

**HALF CONNECTOR**

202002

**M02****HALF CONNECTOR**

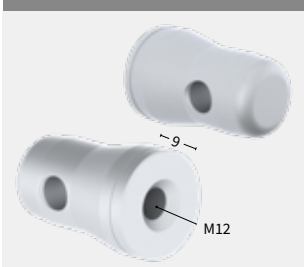
202010

**M50**

M12

**HALF CONNECTOR**

202007

**M49**

M12

**SPACER**

Code

Length

|        |       |
|--------|-------|
| 202011 | 2 mm  |
| 202012 | 10 mm |
| 202013 | 20 mm |
| 202014 | 30 mm |
| 202015 | 40 mm |
| 202016 | 50 mm |

**HINGE MALE**

202019



Locator pin

**HINGE FEMALE**

202018



Locator pin

**HINGE PIN**

202020

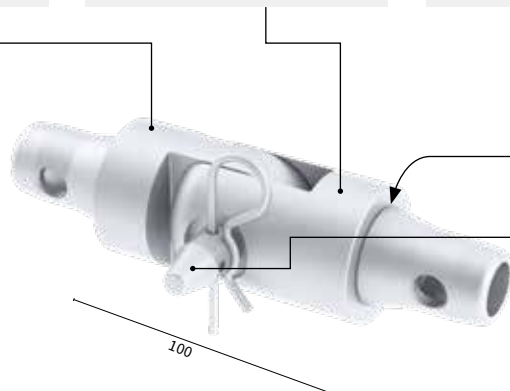
Ø 16 x 50 mm

**LOCATOR PIN 3 x 10**

811003

**COMPLETE HINGE SET**

202041





50 x 4 mm

L35

## Length

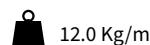
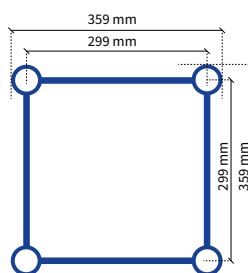
|                                                                                   |           |    |
|-----------------------------------------------------------------------------------|-----------|----|
|  | Square    | 38 |
|  | Rectangle | 39 |

## Corners

|                                                                                   |           |    |
|-----------------------------------------------------------------------------------|-----------|----|
|  | Square    | 40 |
|  | Rectangle | 40 |

## Accessories

40



12.0 Kg/m



((RFID))



L



P.100



ALU/BLACK

## Square - L35S

Code Length

|        |        |
|--------|--------|
| 151001 | 50 cm  |
| 151002 | 60 cm  |
| 151003 | 80 cm  |
| 151004 | 100 cm |
| 151005 | 120 cm |
| 151006 | 150 cm |
| 151007 | 200 cm |
| 151008 | 240 cm |
| 151009 | 250 cm |
| 151010 | 300 cm |
| 151012 | 400 cm |

 Load table L35S

| Span | CPL    | Deflection | 2 x load | Deflection | 3 x load | Deflection | 4 x load | Deflection | UDL    | Deflection |
|------|--------|------------|----------|------------|----------|------------|----------|------------|--------|------------|
| m    | kg     | mm         | kg       | mm         | kg       | mm         | kg       | mm         | kg/m   | mm         |
| 2.0  | 2948.2 | 3          | 1865.9   | 4          | 1412.9   | 3          | 1146.1   | 4          | 2303.8 | 4          |
| 4.0  | 1873.0 | 12         | 1216.4   | 15         | 995.6    | 14         | 822.1    | 15         | 1146.5 | 15         |
| 6.0  | 1380.8 | 26         | 929.4    | 34         | 778.9    | 31         | 597.4    | 34         | 595.5  | 33         |
| 8.0  | 1085.3 | 47         | 747.2    | 60         | 595.8    | 56         | 465.6    | 60         | 330.3  | 58         |
| 10.0 | 886.2  | 73         | 620.1    | 93         | 477.9    | 87         | 378.1    | 93         | 207.5  | 91         |
| 12.0 | 741.7  | 105        | 525.7    | 134        | 394.9    | 125        | 315.3    | 134        | 140.8  | 132        |
| 14.0 | 630.9  | 143        | 452.0    | 183        | 332.7    | 170        | 267.5    | 183        | 100.6  | 179        |
| 16.0 | 542.6  | 187        | 392.6    | 239        | 284.0    | 222        | 229.7    | 239        | 74.5   | 234        |
| 20.0 | 408.3  | 292        | 300.8    | 373        | 211.2    | 347        | 172.6    | 373        | 43.8   | 365        |

 Cantilever load

| Span | 1 x Load | Deflection | UDL    | Deflection |
|------|----------|------------|--------|------------|
| m    | kg       | mm         | kg/m   | mm         |
| 0.5  | 2120.6   | 0          | 4618.3 | 0          |
| 1.0  | 1470.3   | 1          | 2114.9 | 1          |
| 1.5  | 1131.1   | 3          | 1163.5 | 2          |
| 2.0  | 931.9    | 8          | 730.8  | 5          |
| 2.5  | 790.6    | 17         | 501.9  | 8          |
| 3.0  | 684.8    | 30         | 372.6  | 13         |
| 3.5  | 602.4    | 49         | 287.3  | 18         |
| 4.0  | 536.4    | 75         | 228.0  | 25         |

 Multiple supported span

| Span | CPL    | Deflection | 2 x Load | Deflection | UDL    | Deflection |
|------|--------|------------|----------|------------|--------|------------|
| m    | kg     | mm         | kg       | mm         | kg/m   | mm         |
| 2.0  | 2971.0 | 1          | 1586.3   | 1          | 1828.5 | 1          |
| 4.0  | 2005.9 | 4          | 1097.8   | 3          | 670.1  | 3          |
| 6.0  | 1537.5 | 10         | 837.4    | 9          | 340.7  | 8          |
| 8.0  | 1246.2 | 19         | 682.7    | 17         | 211.6  | 15         |
| 10.0 | 1038.2 | 31         | 571.1    | 28         | 143.2  | 25         |
| 12.0 | 880.9  | 46         | 486.0    | 41         | 102.5  | 37         |
| 14.0 | 756.6  | 62         | 418.5    | 56         | 76.2   | 51         |
| 16.0 | 655.2  | 80         | 363.1    | 73         | 58.2   | 66         |
| 20.0 | 497.3  | 119        | 276.5    | 108        | 35.7   | 112        |

 Find complete loading tables on [SIXTY82.nl](https://www.sixty82.nl)

All loading data is based on calculations per EN-1999-1-1 and the following assumptions:

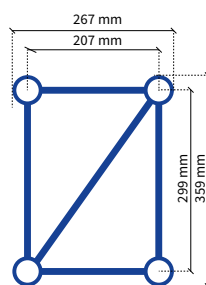
- Static loads only.
- Spans supported or suspended at both ends.
- Triangle trusses solely used apex-up, apex-down.
- 2 chords truss to be placed upright, supported from top chord and loaded from bottom chord.
- Truss spans can be constructed of elements of different length.

- Interaction between bending moment and shear force considered.
- Self-weight of truss is already considered.
- Assembled truss systems need an individual structural calculation. Please contact SIXTY82 or a structural engineer.
- Read the manual before use.
- Higher loading can be allowed depending on the truss configuration.



50 x 4 mm

# Length Rectangle

**L35R**

11.0 Kg/m

 ((RFID))  
READY

L

P.100

ALU/BLACK

## Rectangle - L35R

| Code   | Length |
|--------|--------|
| 154001 | 50 cm  |
| 154002 | 60 cm  |
| 154003 | 80 cm  |
| 154004 | 100 cm |
| 154005 | 120 cm |
| 154006 | 150 cm |
| 154007 | 200 cm |
| 154008 | 240 cm |
| 154009 | 250 cm |
| 154010 | 300 cm |
| 154012 | 400 cm |

## Load table L35R

| Span | CPL    | Deflection | 2 x load | Deflection | 3 x load | Deflection | 4 x load | Deflection | UDL    | Deflection |
|------|--------|------------|----------|------------|----------|------------|----------|------------|--------|------------|
| m    | kg     | mm         | kg       | mm         | kg       | mm         | kg       | mm         | kg/m   | mm         |
| 2.0  | 2948.5 | 3          | 1866.3   | 4          | 1413.3   | 3          | 1146.6   | 4          | 2305.1 | 4          |
| 4.0  | 1874.3 | 12         | 1217.2   | 15         | 996.5    | 14         | 822.7    | 15         | 1147.8 | 15         |
| 6.0  | 1383.3 | 26         | 930.9    | 34         | 780.4    | 31         | 598.6    | 34         | 596.9  | 33         |
| 8.0  | 1088.9 | 47         | 749.5    | 60         | 598.0    | 56         | 467.3    | 60         | 331.6  | 58         |
| 10.0 | 891.1  | 73         | 623.2    | 93         | 480.8    | 87         | 380.3    | 93         | 208.8  | 91         |
| 12.0 | 747.9  | 105        | 529.6    | 134        | 398.5    | 125        | 318.0    | 134        | 142.1  | 132        |
| 14.0 | 638.5  | 143        | 456.9    | 183        | 336.9    | 170        | 270.8    | 183        | 101.9  | 179        |
| 16.0 | 551.5  | 187        | 398.4    | 239        | 288.9    | 222        | 233.5    | 239        | 75.8   | 234        |
| 20.0 | 420.0  | 292        | 308.6    | 373        | 217.5    | 347        | 177.5    | 373        | 45.1   | 365        |

## Cantilever load

| Span | 1 x Load | Deflection | UDL    | Deflection |
|------|----------|------------|--------|------------|
| m    | kg       | mm         | kg/m   | mm         |
| 0.5  | 2121.1   | 0          | 4619.7 | 0          |
| 1.0  | 1470.9   | 1          | 2116.1 | 1          |
| 1.5  | 1132.0   | 3          | 1164.6 | 2          |
| 2.0  | 933.1    | 8          | 731.7  | 5          |
| 2.5  | 792.1    | 17         | 502.7  | 8          |
| 3.0  | 686.7    | 30         | 373.4  | 12         |
| 3.5  | 604.7    | 50         | 288.2  | 18         |
| 4.0  | 538.9    | 75         | 228.9  | 25         |

## Multiple supported span

| Span | CPL    | Deflection | 2 x Load | Deflection | UDL    | Deflection |
|------|--------|------------|----------|------------|--------|------------|
| m    | kg     | mm         | kg       | mm         | kg/m   | mm         |
| 2.0  | 2972.9 | 1          | 1587.3   | 1          | 1829.9 | 1          |
| 4.0  | 2008.4 | 4          | 1099.0   | 3          | 671.1  | 3          |
| 6.0  | 1541.4 | 10         | 839.5    | 9          | 341.5  | 8          |
| 8.0  | 1251.8 | 19         | 685.7    | 17         | 212.4  | 15         |
| 10.0 | 1045.5 | 31         | 575.0    | 28         | 144.1  | 25         |
| 12.0 | 889.9  | 46         | 490.9    | 41         | 103.4  | 37         |
| 14.0 | 767.4  | 63         | 424.4    | 57         | 77.2   | 52         |
| 16.0 | 667.7  | 82         | 370.0    | 74         | 59.2   | 68         |
| 20.0 | 513.3  | 123        | 285.3    | 112        | 36.9   | 115        |

Find complete loading tables on [SIXTY82.nl](https://www.sixty82.nl)

All loading data is based on calculations per EN-1999-1-1 and the following assumptions:

- Static loads only.
- Spans supported or suspended at both ends.
- Triangle trusses solely used apex-up, apex-down.
- 2 chords truss to be placed upright, supported from top chord and loaded from bottom chord.
- Truss spans can be constructed of elements of different length.
- Interaction between bending moment and shear force considered.
- Self-weight of truss is already considered.
- Assembled truss systems need an individual structural calculation. Please contact SIXTY82 or a structural engineer.
- Read the manual before use.
- Higher loading can be allowed depending on the truss configuration.

L35

# Corners



50 x 4 mm

## L35S BOX CORNER

199008

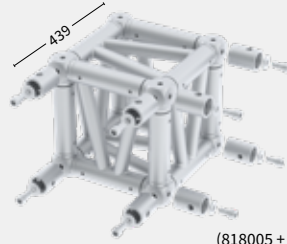
21.0 kg



## RECEIVER

203008

L51

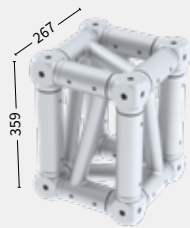


M16x35  
(818005 + 818006)

## L35R BOX CORNER

199007

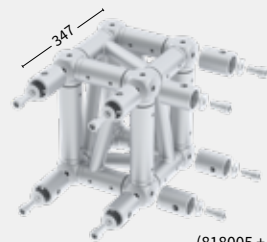
15.9 kg



## RECEIVER

203008

L51



M16x35  
(818005 + 818006)

L35

# Accessories

## BASE PLATE

211008

391 x 391 x 10 mm



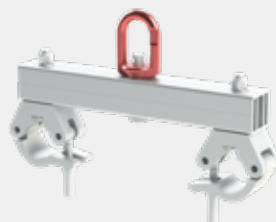
Half connector (203002) and bolt (818001) not included

## LIFTING BRACKET

212003

L35S

WLL 1000 kg

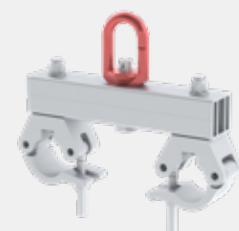


## LIFTING BRACKET

212004

L35R

WLL 1000 kg







50 x 4 mm

L52

## Length



Square

44

## Corners



Square

45

## Circle

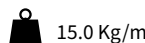
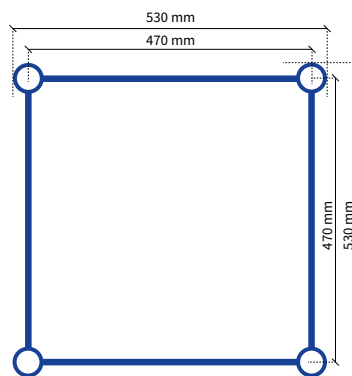
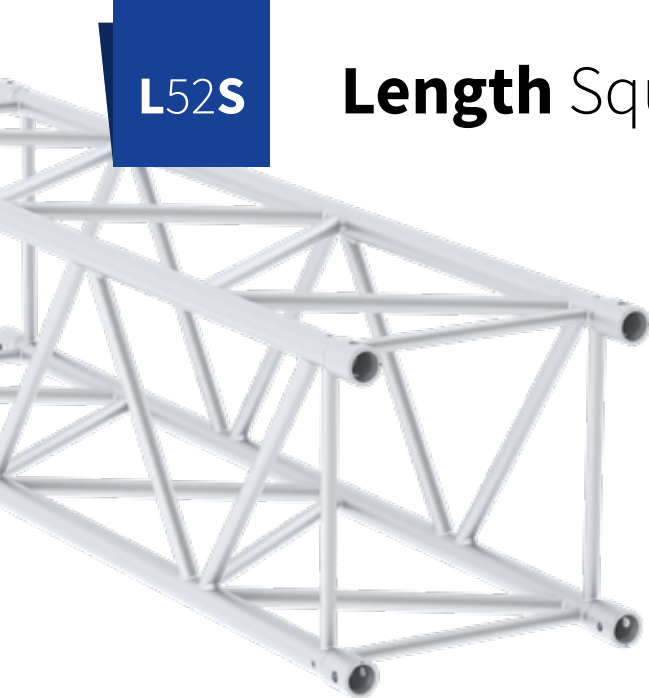


Square

45

## Accessories

45



15.0 Kg/m



(RFID)



L



P.100



ALU/BLACK

## Square - L52S

Code Length

|        |        |
|--------|--------|
| 161001 | 50 cm  |
| 161002 | 60 cm  |
| 161003 | 80 cm  |
| 161004 | 100 cm |
| 161005 | 120 cm |
| 161006 | 150 cm |
| 161007 | 200 cm |
| 161008 | 240 cm |
| 161009 | 250 cm |
| 161010 | 300 cm |
| 161012 | 400 cm |

 Load table L52S

| Span | CPL    | Deflection | 2 x load | Deflection | 3 x load | Deflection | 4 x load | Deflection | UDL    | Deflection |
|------|--------|------------|----------|------------|----------|------------|----------|------------|--------|------------|
| m    | kg     | mm         | kg       | mm         | kg       | mm         | kg       | mm         | kg/m   | mm         |
| 2.0  | 3735.9 | 2          | 2215.2   | 2          | 1611.5   | 2          | 1273.2   | 2          | 2827.1 | 2          |
| 6.0  | 1925.9 | 17         | 1245.2   | 22         | 1013.9   | 20         | 846.0    | 22         | 933.4  | 21         |
| 10.0 | 1296.6 | 47         | 877.7    | 60         | 725.7    | 56         | 559.1    | 60         | 329.6  | 59         |
| 14.0 | 953.6  | 92         | 663.6    | 117        | 517.3    | 109        | 407.2    | 117        | 161.6  | 115        |
| 18.0 | 731.5  | 152        | 519.7    | 194        | 389.2    | 180        | 310.7    | 194        | 92.4   | 190        |
| 20.0 | 646.0  | 187        | 463.2    | 239        | 341.1    | 222        | 273.8    | 239        | 72.3   | 234        |
| 22.0 | 571.9  | 227        | 413.7    | 290        | 300.1    | 269        | 242.1    | 290        | 57.4   | 283        |
| 24.0 | 506.8  | 270        | 369.7    | 345        | 264.4    | 320        | 214.3    | 345        | 46.1   | 337        |
| 26.0 | 448.6  | 317        | 330.1    | 404        | 232.9    | 376        | 189.6    | 404        | 37.3   | 396        |

 Cantilever load

| Span | 1 x Load | Deflection | UDL    | Deflection |
|------|----------|------------|--------|------------|
| m    | kg       | mm         | kg/m   | mm         |
| 0.5  | 2418.3   | 0          | 5497.5 | 0          |
| 1.0  | 1862.0   | 0          | 2411.9 | 0          |
| 1.5  | 1467.1   | 2          | 1406.2 | 1          |
| 2.0  | 1246.3   | 4          | 925.7  | 2          |
| 2.5  | 1082.1   | 9          | 654.0  | 4          |
| 3.0  | 954.3    | 17         | 484.6  | 7          |
| 3.5  | 851.8    | 28         | 380.2  | 10         |
| 4.0  | 767.7    | 44         | 306.4  | 13         |

 Multiple supported span

| Span | CPL    | Deflection | 2 x Load | Deflection | UDL    | Deflection |
|------|--------|------------|----------|------------|--------|------------|
| m    | kg     | mm         | kg       | mm         | kg/m   | mm         |
| 2.0  | 3425.2 | 0          | 1808.2   | 0          | 2031.0 | 0          |
| 6.0  | 2016.4 | 5          | 1092.4   | 5          | 443.8  | 4          |
| 10.0 | 1443.8 | 18         | 787.8    | 16         | 193.3  | 14         |
| 14.0 | 1095.0 | 37         | 601.6    | 33         | 107.4  | 29         |
| 18.0 | 854.3  | 61         | 471.6    | 55         | 66.4   | 49         |
| 20.0 | 758.5  | 74         | 419.5    | 67         | 53.4   | 68         |
| 22.0 | 674.2  | 88         | 373.5    | 79         | 43.5   | 99         |
| 24.0 | 599.0  | 101        | 332.4    | 92         | 35.6   | 140        |
| 26.0 | 531.4  | 114        | 295.2    | 103        | 29.3   | 193        |

 Find complete loading tables on [SIXTY82.nl](http://SIXTY82.nl)

All loading data is based on calculations per EN-1999-1-1 and the following assumptions:

- Static loads only.
- Spans supported or suspended at both ends.
- Triangle trusses solely used apex-up, apex-down.
- 2 chords truss to be placed upright, supported from top chord and loaded from bottom chord.
- Truss spans can be constructed of elements of different length.

- Interaction between bending moment and shear force considered.
- Self-weight of truss is already considered.
- Assembled truss systems need an individual structural calculation. Please contact SIXTY82 or a structural engineer.
- Read the manual before use.
- Higher loading can be allowed depending on the truss configuration.

L52

# Corners

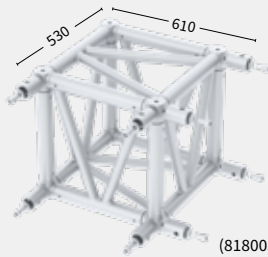


50 x 4 mm

## L52S BOX CORNER

199009

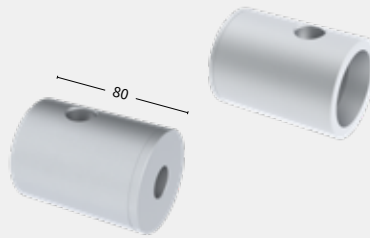
27.4 kg

M16x35  
(818005 + 818006)

## RECEIVER

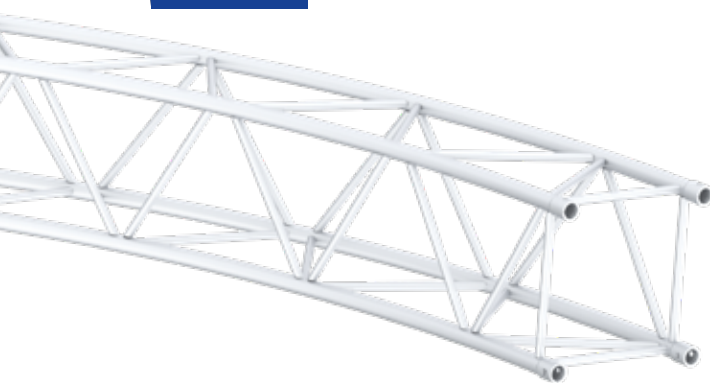
203008

L51

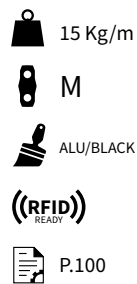


L52

# Circles



## L52S Circle part



| Code   | Ø Diameter | Angle | Parts/Circle |
|--------|------------|-------|--------------|
| 163001 | 3.00 m     | 90    | 4            |
| 163002 | 4.00 m     | 90    | 4            |
| 163003 | 5.00 m     | 90    | 4            |
| 163004 | 6.00 m     | 90    | 4            |
| 163005 | 8.00 m     | 45    | 8            |
| 163006 | 10.00 m    | 30    | 12           |

- Subject to tolerance, because product is 100% handmade.

L52

# Accessories

## BASE PLATE

211007

562 x 562 x 10 mm



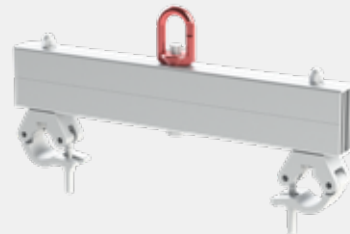
Half connector (203002) and bolt (818001) not included

## LIFTING BRACKET

212005

L52

WLL 1000 kg

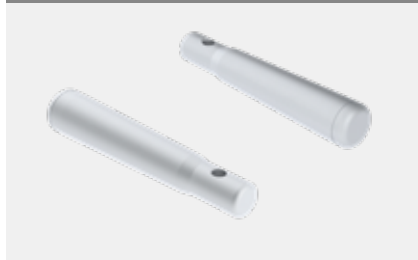


**CONNECTOR**  
203001

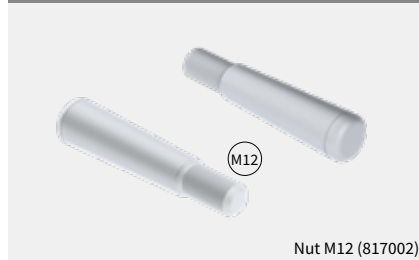
L00


**SPIGOT**  
203003

L03


**SPIGOT / THREAD**  
203004

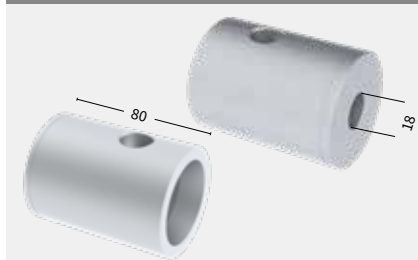
L04


**R-SPRING**  
203005

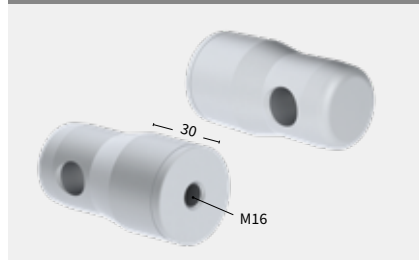
L05


**RECEIVER L80 mm**  
203008

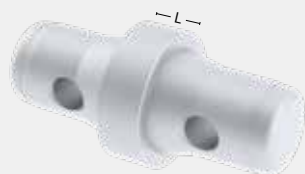
L51


**HALF CONNECTOR**  
203002

L02/16


**SPACER**

| Code   | Length |
|--------|--------|
| 203009 | 2 mm   |
| 203010 | 5 mm   |
| 203011 | 10 mm  |
| 203012 | 20 mm  |
| 203013 | 30 mm  |
| 203014 | 40 mm  |
| 203015 | 50 mm  |





60 x 6 mm

**XL101**

## Length

|                                                                                   |           |    |
|-----------------------------------------------------------------------------------|-----------|----|
|  | Rectangle | 50 |
|  | Folding   | 51 |

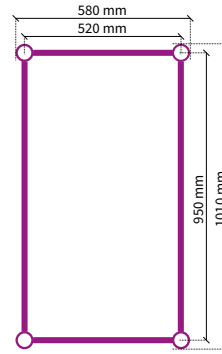
## Corners

|                                                                                   |           |    |
|-----------------------------------------------------------------------------------|-----------|----|
|  | Rectangle | 52 |
|  | Folding   | 52 |

## Accessories

53

s M L XL



## Rectangle - XL101R

| Code   | Length |
|--------|--------|
| 171001 | 80 cm  |
| 171002 | 100 cm |
| 171003 | 120 cm |
| 171004 | 200 cm |
| 171005 | 240 cm |
| 171006 | 250 cm |
| 171007 | 300 cm |
| 171009 | 400 cm |
| 171011 | 480 cm |

 25.0 Kg/m ((RFID))  
READY L P.100 ALU/BLACK Load table XL101R

| Span | CPL    | Deflection | 2 x load | Deflection | 3 x load | Deflection | 4 x load | Deflection | UDL    | Deflection |
|------|--------|------------|----------|------------|----------|------------|----------|------------|--------|------------|
| m    | kg     | mm         | kg       | mm         | kg       | mm         | kg       | mm         | kg/m   | mm         |
| 4.0  | 7034.6 | 4          | 4261.0   | 5          | 3139.5   | 4          | 2500.8   | 5          | 2993.4 | 5          |
| 12.0 | 3549.8 | 33         | 2322.7   | 42         | 1909.9   | 39         | 1549.9   | 42         | 808.3  | 41         |
| 16.0 | 2820.5 | 58         | 1894.7   | 74         | 1592.0   | 69         | 1218.3   | 74         | 444.8  | 73         |
| 20.0 | 2309.7 | 91         | 1582.3   | 116        | 1273.9   | 108        | 990.4    | 116        | 276.6  | 114        |
| 24.0 | 1926.6 | 131        | 1341.1   | 168        | 1044.8   | 156        | 821.8    | 168        | 185.2  | 164        |
| 28.0 | 1624.7 | 179        | 1146.9   | 228        | 869.5    | 212        | 690.4    | 228        | 130.1  | 223        |
| 32.0 | 1377.4 | 233        | 984.9    | 298        | 729.4    | 277        | 583.7    | 298        | 94.3   | 291        |
| 36.0 | 1168.6 | 295        | 846.1    | 377        | 613.3    | 350        | 494.3    | 377        | 69.8   | 369        |
| 40.0 | 987.9  | 364        | 724.2    | 465        | 514.5    | 432        | 417.4    | 465        | 52.3   | 455        |

 Cantilever load

| Span | 1 x Load | Deflection | UDL     | Deflection |
|------|----------|------------|---------|------------|
| m    | kg       | mm         | kg/m    | mm         |
| 0.5  | 5483.6   | 0          | 11737.1 | 0          |
| 1.0  | 4712.9   | 0          | 5472.8  | 0          |
| 1.5  | 4047.9   | 1          | 3382.1  | 0          |
| 2.0  | 3500.7   | 2          | 2346.6  | 1          |
| 2.5  | 3058.4   | 4          | 1736.7  | 2          |
| 3.0  | 2771.9   | 7          | 1340.4  | 3          |
| 3.5  | 2532.3   | 12         | 1066.0  | 4          |
| 4.0  | 2328.6   | 18         | 867.2   | 5          |

 Multiple supported span

| Span | CPL    | Deflection | 2 x Load | Deflection | UDL    | Deflection |
|------|--------|------------|----------|------------|--------|------------|
| m    | kg     | mm         | kg       | mm         | kg/m   | mm         |
| 4.0  | 6638.8 | 1          | 3518.0   | 1          | 1991.3 | 1          |
| 12.0 | 3763.9 | 11         | 2037.5   | 10         | 409.3  | 8          |
| 16.0 | 3090.1 | 22         | 1683.6   | 19         | 257.1  | 17         |
| 20.0 | 2584.5 | 35         | 1415.0   | 31         | 175.2  | 28         |
| 24.0 | 2186.3 | 51         | 1201.7   | 46         | 125.3  | 53         |
| 28.0 | 1861.0 | 70         | 1026.1   | 63         | 92.5   | 98         |
| 32.0 | 1587.5 | 89         | 877.6    | 80         | 69.8   | 167        |
| 36.0 | 1352.0 | 107        | 749.2    | 97         | 53.3   | 267        |
| 40.0 | 1145.4 | 125        | 636.0    | 113        | 41.0   | 400        |

 Find complete loading tables on [SIXTY82.nl](https://www.sixty82.nl)

All loading data is based on calculations per EN-1999-1-1 and the following assumptions:

- Static loads only.
- Spans supported or suspended at both ends.
- Triangle trusses solely used apex-up, apex-down.
- 2 chords truss to be placed upright, supported from top chord and loaded from bottom chord.
- Truss spans can be constructed of elements of different length.

- Interaction between bending moment and shear force considered.
- Self-weight of truss is already considered.
- Assembled truss systems need an individual structural calculation. Please contact SIXTY82 or a structural engineer.
- Read the manual before use.
- Higher loading can be allowed depending on the truss configuration.



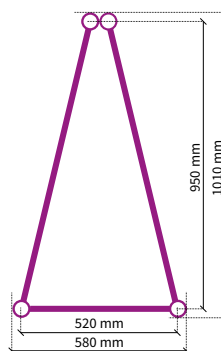
60 x 6 mm

# Length Folding

**XL101F**

## Folding - XL101F

| Code   | Length |
|--------|--------|
| 173001 | 74 cm  |
| 173002 | 80 cm  |
| 173003 | 100 cm |
| 173004 | 120 cm |
| 173005 | 200 cm |
| 173006 | 240 cm |
| 173008 | 300 cm |



 23.0 Kg/m

 ((RFID))  
READY

 L

 P.100

 ALU/BLACK



## Load table XL101F

| Span | CPL    | Deflection | 2 x load | Deflection | 3 x load | Deflection | 4 x load | Deflection | UDL    | Deflection |
|------|--------|------------|----------|------------|----------|------------|----------|------------|--------|------------|
| m    | kg     | mm         | kg       | mm         | kg       | mm         | kg       | mm         | kg/m   | mm         |
| 2.4  | 2598.8 | 1          | 1299.4   | 1          | 866.3    | 1          | 649.7    | 1          | 1068.4 | 1          |
| 7.2  | 2637.7 | 10         | 1140.6   | 13         | 760.4    | 12         | 643.7    | 13         | 368.9  | 13         |
| 12.0 | 1309.2 | 29         | 981.9    | 36         | 654.6    | 34         | 637.8    | 36         | 170.5  | 36         |
| 16.8 | 1516.3 | 56         | 1137.2   | 71         | 758.2    | 66         | 631.8    | 71         | 131.6  | 70         |
| 21.6 | 1092.0 | 92         | 819.0    | 118        | 546.0    | 110        | 455.0    | 118        | 91.0   | 115        |
| 26.4 | 1187.6 | 138        | 890.7    | 176        | 593.8    | 164        | 494.9    | 176        | 83.5   | 172        |
| 31.2 | 1142.3 | 193        | 856.7    | 246        | 571.2    | 229        | 476.0    | 246        | 68.9   | 241        |
| 33.6 | 1020.0 | 224        | 765.0    | 285        | 510.0    | 265        | 425.0    | 285        | 64.3   | 279        |
| 36.0 | 986.2  | 257        | 739.7    | 328        | 493.1    | 304        | 410.9    | 328        | 58.7   | 321        |



Find complete loading tables on **SIXTY82.nl**

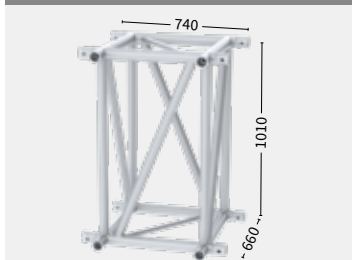
**All loading data is based on calculations per EN-1999-1-1 and the following assumptions:**

- Lateral stabilization required every 12m.
- Static loads only.
- Spans supported or suspended at both ends.
- Triangle trusses solely used apex-up, apex-down.
- 2 chords truss to be placed upright, supported from top chord and loaded from bottom chord.
- Truss spans can be constructed of elements of different length.
- Interaction between bending moment and shear force considered.
- Self-weight of truss is already considered.
- Assembled truss systems need an individual structural calculation. Please contact SIXTY82 or a structural engineer.
- Read the manual before use.
- Higher loading can be allowed depending on the truss configuration.



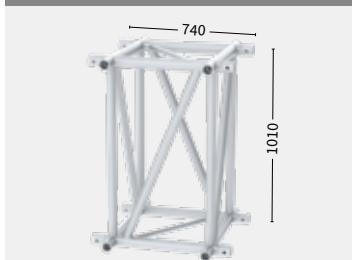
3way

**XL101R-C317**  
172001

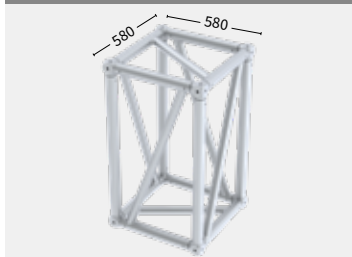
**T JOINT**


4way

**XL101R-C416**  
172002

**CROSS**


Box

**XL101R BOX CORNER**  
199010

**RECEIVER**  
203008

**L51**


3way

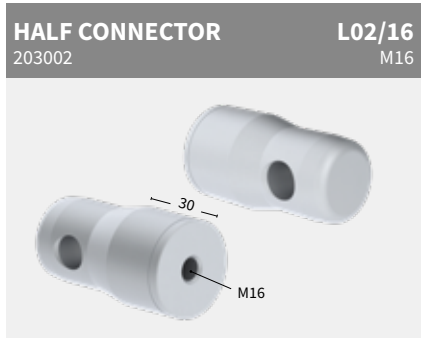
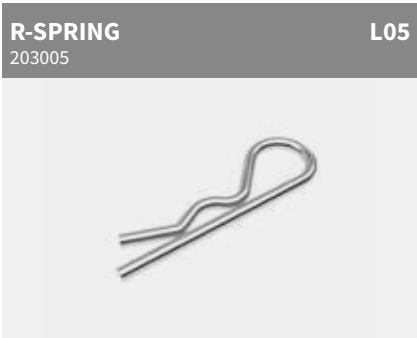
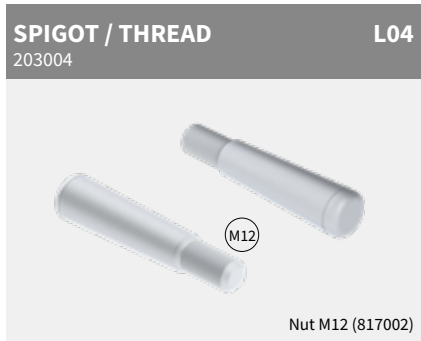
**XL101F-C317**  
174001

**T JOINT**


4way

**XL101F-C416**  
174002

**CROSS**

| SPACER |        |  |
|--------|--------|--|
| Code   | Length |  |
| 203009 | 2 mm   |  |
| 203010 | 5 mm   |  |
| 203011 | 10 mm  |  |
| 203012 | 20 mm  |  |
| 203013 | 30 mm  |  |
| 203014 | 40 mm  |  |
| 203015 | 50 mm  |  |