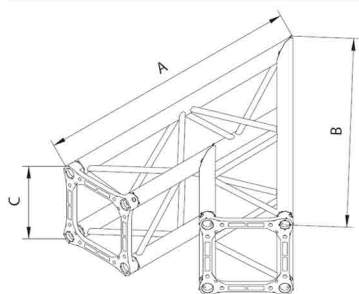


| Description | Specification |
|--------------------------------------|---|
| External dimensions (height x width) | 287 mm x 287 mm |
| Distance between axis | 239 mm x 239 mm |
| Lenghtways tubes | Extruded alluminium EN AW 6082 T6 - Ø48X3mm |
| Crossways tubes | Extruded alluminium EN AW 6082 T6 - Ø20X2mm |
| Connecting plate | Cast alluminium EN AC 42200 T6 |
| Welding process | TIG - 141 / ISO 4063 |
| Available lenght (cm) | 100 - 150 - 200 - 250 - 300 - 350 - 400 |
| Connection systems | QXFC - QXSM10 |

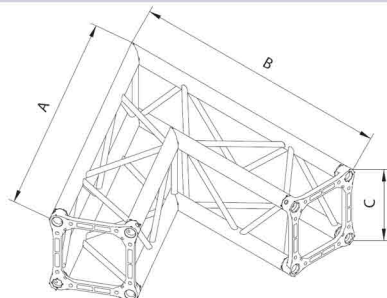
| Section Area (mm ²) | Moment of inertia Y - axis (mm ⁴) | Moment of inertia Z - axis (mm ⁴) | Selfweight (approx.) (N/m) | | | |
|------------------------------------|---|---|----------------------------------|--|--|--|
| 1696 | 24.657.198 | 24.657.198 | 70 | | | |

| SPAN m | UNIF. DISTRIBUTED LOAD | | | CENTRE POINT LOAD | | | THIRD POINT LOAD | | | QUARTER POINT LOAD | | | FIFTH POINT LOAD | | |
|-----------|------------------------|--------------|-----------------------|-------------------|--------------|-----------------------|------------------|--------------|-----------------------|--------------------|--------------|-----------------------|------------------|--------------|-----------------------|
| | point load kg/m | full load kg | central deflection mm | point load kg | full load kg | central deflection mm | point load kg | full load kg | central deflection mm | point load kg | full load kg | central deflection mm | point load kg | full load kg | central deflection mm |
| 1 | 2775 | 2775 | 0 | 2775 | 2775 | 0 | 1387 | 2775 | 0 | 925 | 2775 | 0 | 694 | 2775 | 0 |
| 2 | 1384 | 2768 | 2 | 2677 | 2677 | 3 | 1384 | 2768 | 2 | 923 | 2768 | 2 | 692 | 2768 | 2 |
| 3 | 920 | 2760 | 6 | 1894 | 1894 | 6 | 1335 | 2670 | 7 | 920 | 2760 | 7 | 690 | 2760 | 7 |
| 4 | 688 | 2753 | 13 | 1454 | 1454 | 11 | 1046 | 2092 | 14 | 753 | 2259 | 14 | 614 | 2454 | 14 |
| 5 | 492 | 2462 | 24 | 1175 | 1175 | 18 | 855 | 1709 | 22 | 603 | 1809 | 22 | 494 | 1976 | 23 |
| 6 | 340 | 2039 | 34 | 982 | 982 | 26 | 720 | 1439 | 33 | 501 | 1503 | 32 | 412 | 1649 | 33 |
| 7 | 248 | 1734 | 46 | 840 | 840 | 36 | 619 | 1239 | 45 | 427 | 1282 | 43 | 352 | 1410 | 45 |
| 8 | 188 | 1503 | 60 | 732 | 732 | 47 | 542 | 1083 | 59 | 371 | 1114 | 57 | 307 | 1227 | 60 |
| 9 | 147 | 1323 | 76 | 646 | 646 | 60 | 480 | 960 | 76 | 327 | 981 | 72 | 271 | 1083 | 76 |
| 10 | 118 | 1176 | 94 | 576 | 576 | 75 | 429 | 859 | 94 | 291 | 874 | 89 | 241 | 966 | 94 |
| 11 | 96 | 1056 | 114 | 518 | 518 | 91 | 387 | 774 | 114 | 262 | 785 | 108 | 217 | 869 | 114 |
| 12 | 79 | 954 | 136 | 469 | 469 | 109 | 351 | 703 | 136 | 237 | 710 | 129 | 197 | 786 | 135 |
| 13 | 67 | 866 | 159 | 427 | 427 | 129 | 320 | 641 | 161 | 215 | 645 | 151 | 179 | 715 | 159 |
| 14 | 56 | 790 | 185 | 390 | 390 | 150 | 294 | 587 | 187 | 196 | 589 | 176 | 163 | 654 | 185 |
| 15 | 48 | 723 | 212 | 357 | 357 | 173 | 270 | 540 | 215 | 180 | 539 | 202 | 150 | 600 | 213 |
| 16 | 42 | 664 | 241 | 328 | 328 | 198 | 249 | 497 | 246 | 165 | 495 | 230 | 138 | 551 | 242 |
| 17 | 36 | 611 | 272 | 302 | 302 | 225 | 230 | 459 | 278 | 152 | 456 | 260 | 127 | 508 | 274 |
| 18 | 31 | 563 | 305 | 278 | 278 | 254 | 213 | 425 | 313 | 140 | 420 | 292 | 117 | 469 | 307 |

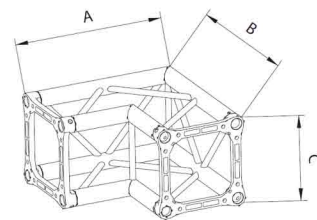
Load table has been prepared in accordance with UNI ENV 1999-1-1 (Eurocode 9).
 When calculating the allowable loads shown in the table, it is assumed that the trusses are simply supported at the end connection and that static loads will be applied to the node points.
 The application of the load shall be on the centre line of the truss.
 The values shown in the table are the allowable statics loads that can be applied to the truss. This is the live load or the payload.
 The self weight of the truss has been taken into account when calculating the values in the table.
 It should be noted that this are idealised loading condition and the User shall re-analyze the truss for the loading condition which prevail for the application begin considered.



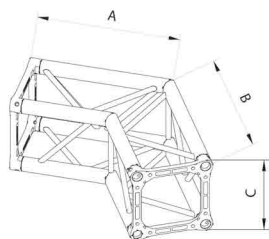
QH30SAL2045



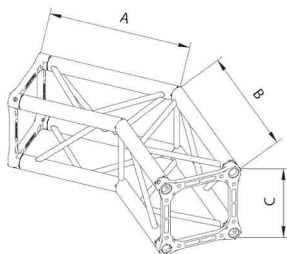
QH30SAL2060



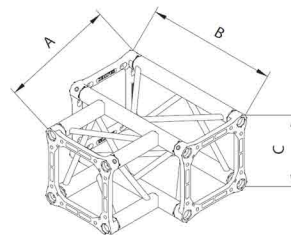
QH30SAL2090



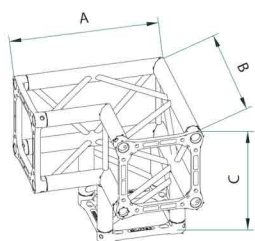
QH30SAL2120



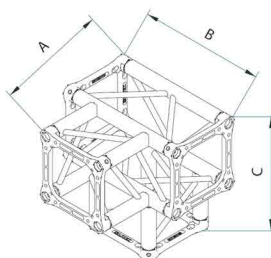
QH30SAL2135



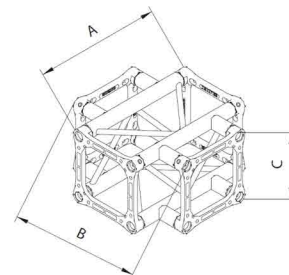
QH30SAT3



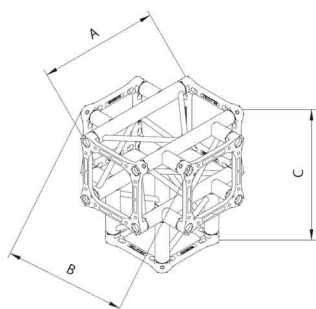
QH30SAL3



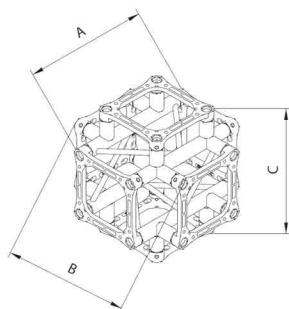
QH30SAT4



QH30SAX4



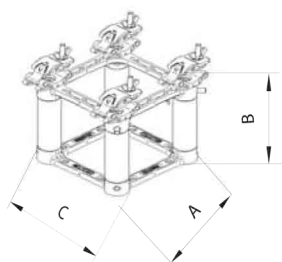
QH30SAX5



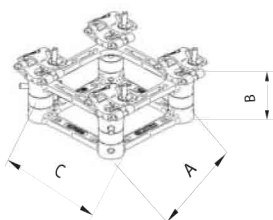
QH30SAX6



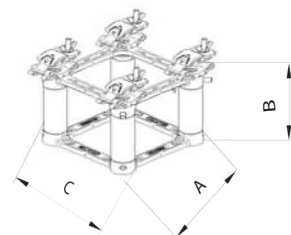
Q = square truss



QH30SAACL



QH30SAACS



QH30SAACSC

LINEAR ELEMENTS

| code | cm | kg |
|-------------|------------|------|
| QH30SA010M5 | 29x29x10.5 | 3,1 |
| QH30SA021 | 29x29x21 | 3,6 |
| QH30SA025 | 29x29x25 | 4,1 |
| QH30SA029 | 29x29x29 | 4,3 |
| QH30SA050 | 29x29x50 | 5,8 |
| QH30SA100 | 29x29x100 | 9,1 |
| QH30SA150 | 29x29x150 | 12,3 |
| QH30SA200 | 29x29x200 | 15,5 |
| QH30SA250 | 29x29x250 | 18,7 |
| QH30SA300 | 29x29x300 | 21,9 |
| QH30SA350 | 29x29x350 | 25,2 |
| QH30SA400 | 29x29x400 | 28,4 |

CORNERS AND FITTINGS

| code | cm | kg |
|-------------|------------|------|
| QH30SAACL | 29x21x29 | 6,1 |
| QH30SAACS | 29x10.5x29 | 5,6 |
| QH30SAL2045 | 100x100x29 | 9,4 |
| QH30SAL2060 | 100x100x29 | 10,5 |
| QH30SAL2090 | 50x50x29 | 11,7 |
| QH30SAL2120 | 50x50x29 | 6,8 |
| QH30SAL2135 | 50x50x29 | 7,7 |
| QH30SAL3 | 50x50x50 | 8 |
| QH30SAT3 | 50x50x29 | 8,2 |
| QH30SAT4 | 50x50x50 | 10,8 |
| QH30SAX4 | 50x50x29 | 9,3 |
| QH30SAX5 | 50x50x50 | 11,8 |
| QH30SAX6 | 50x50x50 | 12,9 |

Curves, rings and ellipses are available on demand

Minimum diameter 2 m

Diameter measurement external

Weight per meter approx. 10.4kg