

PR60 Pre-rig



A pre-rig truss for supporting and transporting moving heads. It is equipped with 4 castor wheels for easy maneuverability and pins for the connection of truss pieces. Each truss is designed to carry a lighting bar complete with moving heads. The lighting bar is hooked onto the main chord and allows lights to move. This design reduces the amount of space required for rigging in the truck.

Chords A

Extruded tube $\varnothing 50 \times 4$ mm
EN AW-6082 T6

Diagonals B

Extruded tube $\varnothing 25.4 \times 3.2$ mm
EN AW-6082 T6

Horizontal braces C

Extruded tube $\varnothing 50 \times 3$ mm
EN AW-6082 T6

Ends D

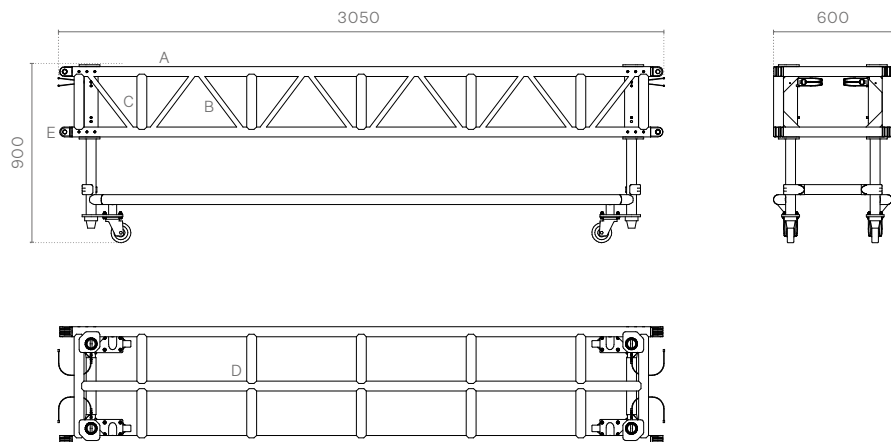
Aluminium forks connectors
EN AW-6082 T6

Fixing points E

Extruded tube $\varnothing 50 \times 3$ mm
EN AW-6082 T6

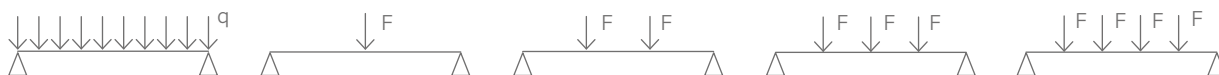
Connection system KHL P

Cylindrical pin + safety R-clip





Load table / Fork connection



| SPAN | Unif. distributed load | | | Centre point load | | | Third point load | | | Quarter point load | | | Fifth point load | | |
|------|------------------------|-----------|--------------------|-------------------|-----------|--------------------|------------------|-----------|--------------------|--------------------|-----------|--------------------|------------------|-----------|--------------------|
| | Point load | Full load | Central deflection | Point load | Full load | Central deflection | Point load | Full load | Central deflection | Point load | Full load | Central deflection | Point load | Full load | Central deflection |
| m | kg/m | kg | mm | kg | kg | mm | kg | kg | mm | kg | kg | mm | kg | kg | mm |
| 1 | 742 | 742 | 0 | 371 | 371 | 0 | 247 | 495 | 0 | 186 | 556 | 0 | 148 | 594 | 0 |
| 2 | 741 | 1482 | 1 | 408 | 408 | 0 | 408 | 815 | 0 | 370 | 1111 | 1 | 370 | 1481 | 1 |
| 3 | 734 | 2202 | 3 | 407 | 407 | 1 | 407 | 814 | 2 | 406 | 1217 | 2 | 406 | 1622 | 3 |
| 4 | 716 | 2865 | 9 | 407 | 407 | 2 | 406 | 812 | 4 | 404 | 1212 | 5 | 404 | 1614 | 7 |
| 5 | 619 | 3099 | 20 | 406 | 406 | 5 | 405 | 809 | 8 | 401 | 1203 | 10 | 401 | 1604 | 13 |
| 6 | 432 | 2590 | 29 | 405 | 405 | 8 | 403 | 806 | 13 | 398 | 1193 | 18 | 398 | 1591 | 22 |
| 7 | 313 | 2192 | 40 | 404 | 404 | 14 | 401 | 802 | 21 | 394 | 1181 | 28 | 394 | 1574 | 35 |
| 8 | 236 | 1889 | 53 | 402 | 402 | 21 | 399 | 797 | 32 | 389 | 1167 | 42 | 389 | 1557 | 52 |
| 9 | 184 | 1649 | 67 | 401 | 401 | 30 | 396 | 792 | 46 | 384 | 1152 | 60 | 344 | 1374 | 67 |
| 10 | 145 | 1445 | 82 | 398 | 398 | 42 | 393 | 786 | 64 | 361 | 1084 | 79 | 301 | 1204 | 83 |
| 11 | 116 | 1274 | 100 | 396 | 396 | 57 | 389 | 779 | 85 | 318 | 956 | 95 | 265 | 1062 | 100 |
| 12 | 94 | 1130 | 119 | 393 | 393 | 75 | 385 | 770 | 112 | 283 | 848 | 114 | 236 | 942 | 119 |
| 13 | 78 | 1007 | 140 | 390 | 390 | 97 | 378 | 755 | 142 | 252 | 755 | 134 | 210 | 840 | 140 |
| 14 | 64 | 899 | 162 | 387 | 387 | 123 | 338 | 674 | 165 | 224 | 674 | 156 | 188 | 750 | 163 |
| 15 | 54 | 804 | 187 | 383 | 383 | 154 | 301 | 603 | 190 | 201 | 603 | 180 | 167 | 669 | 188 |
| 16 | 45 | 719 | 213 | 360 | 360 | 184 | 269 | 540 | 216 | 180 | 540 | 206 | 150 | 600 | 214 |
| 17 | 38 | 643 | 242 | 321 | 321 | 210 | 241 | 483 | 245 | 161 | 483 | 234 | 134 | 536 | 243 |
| 18 | 32 | 573 | 272 | 287 | 287 | 239 | 215 | 431 | 276 | 144 | 431 | 264 | 119 | 478 | 274 |

The loads described above are related to the load applied on the central tube.


Load table has been prepared in accordance with UNI ENV 1999-1-1 (Eurocode 9). When calculating the allowable loads it is assumed that the load is suspended from the bottom chord and the truss is supported from the top chord at each end. The values shown in the table are the allowable static 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 conditions and the User shall re-analyze the truss for the loading conditions which prevail for the application being considered.

PR60 Pre-rig System

High Load structures can be extended using specially designed accessories for suspension, transportation and reinforcement, including hooks, corner frames and skates. Only forked connectors with steel junction pins are used. Designed to withstand the highest stress and load levels, they offer guaranteed compatibility with the whole series. Gates are short, flat section High Load elements generally used when putting together corners or tower sleeve blocks. Code numbers shown under the pictures refer to the shape and make it easy to identify.

Connections

| | | | | |
|---|---|---|--|--|
|  |  |  |  |  |
| KHLB M20 screw bolt + spring washer | KHLD M20 screw nut + spring washer | KHLF Female fork connector complete | KHLG M20 Lifting Eye | KHLM Male fork connector complete |
|  |  |  |  |  |
| KHLPL Cylindrical pin + 3 mm safety R-clip | KHL180A 180° double fork aluminum connector | KHL180S 180° double fork steel connector | KHL90LA 90° double fork alum. connector, left | KHL90LS 90° double fork steel connector, left |
|  |  |  |  | |
| KHL90RA 90° double fork alum. connector, right | KHL90RS 90° double fork steel connector, right | KHL180AL149R Alusfera 76 spacer A | TZHL01 FL assembly kit | |

Accessories



PR60LB150
PR60LB235
PR60LB300
Lighting bar for move the hanging point 10cm lower

Gates



PR60FP090

Flat truss to create vertical angles



PR60FPV090

Flat truss to create horizontal angles

Type of truss



PR60TV

Vertical fixed forks



PR60TN

90° Rotated fork



PR60TR

360° Rotated forks

Type of dolly



PR60DF

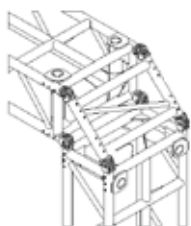
Fixed height



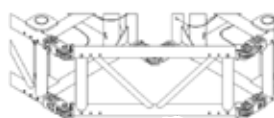
PR60DE

Adjustable height

Corner solutions



1



2

1 / 90° vertical corner

2 / 90° horizontal corner