| technical | TOPAL | QR | ref. : T6020 GB <br> rev. : 10 |
| :--- | :--- | :--- | :--- |
| Sheet | double hooks for lifting horizontal plates | date: | Dec 10 |
|  | page: | $1 / 2$ |  |

## Applications

Lifting of horizontal plates or sheets (individual or bundles).


## Description

These double hooks avoid the use of a lifting beam. Their large bearing surface permits to reduce plate bending. Handling loads up to 300 mm thickness is possible thanks to the wide opening. Slings not provided.

## Functioning

Use in pairs with a 4-legged sling.
Place the load into the hooks, distributing the latters evenly and perform lifting.

## Important instructions

- The load must always be driven home into the throat of the hooks.
- Adhere to a sling angle included between $50^{\circ}$ and $60^{\circ}$ (ie $1 / 2$ sling angle included between $25^{\circ}$ and $30^{\circ}$ ).
- Do not separate sheets with the hooks' end.
- According to the load's length and weight, provide 1 or more pair(s) of hooks to perform lifting.
- Working temperatures: $-20^{\circ}$ to $+100^{\circ} \mathrm{C}$.

| technical sheet | QR <br> double hooks for lifting horizontal plates | ref. : <br> rev. $:$ <br> date $:$ <br> page | T 6020 GB <br> 10 <br> Dec 10 <br> $2 / 2$ |
| :---: | :---: | :---: | :---: |

## General characteristics

- Manufactured without load bearing welds.
- Hot epoxy coating.
- Safety factor: 3 in accordance with the EN 13155.2003 norm.
- Product conforms to the French regulation, in particular the decree of 01/03/2004 relating to the check on lifting devices and the European Directive $n^{\circ} 98 / 37$.
- Product with EC marking and delivered with a declaration of conformity and instructions for use.


## Dimensional characteristics

| HR shackles | Ref. | $\begin{array}{\|c\|} \hline \text { Grou } \\ \text { p } \\ \text { code } \\ \hline \end{array}$ | WLL/ pair kg | Opening | A | B | C | E | F | G | H | I | J | K | Sling angle |  | Min chain* $\varnothing$ | Weight pair kg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| to be used |  |  |  |  |  |  |  |  |  |  |  |  |  |  | min | max |  |  |
| 3t25 | QR3 0-300 | 50648 | 3000 | 300 | 279 | 20 | 387 | 128 | 22 | 22 | 20 | 100 | 20 | 800 | $50^{\circ}$ | $60^{\circ}$ | 8 | 36 |
| 3t25 | QR6 0-300 | 50658 | 6000 | 300 | 305 | 20 | 410 | 120 | 40 | 40 | 20 | 100 | 20 | 800 | $50^{\circ}$ | $60^{\circ}$ | 10 | 46 |
| 4t75 | QR12 0-300 | 50668 | 12000 | 300 | 380 | 25 | 410 | 120 | 50 | 50 | 26 | 100 | 25 | 800 | $50^{\circ}$ | $60^{\circ}$ | 16 | 115 |



