TABLE OF FORCES /

<table>
<thead>
<tr>
<th>PRODUCTS CODE</th>
<th>PRODUCTS</th>
<th>CMU</th>
<th>TYPE OF FIXATION</th>
<th>SAFETY COEFFICIENT</th>
<th>TESTS RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLS50T</td>
<td>MLS 50T</td>
<td>50T</td>
<td>-</td>
<td>5,8</td>
<td>294 T</td>
</tr>
<tr>
<td>PL50T</td>
<td>PIN 50T</td>
<td>50T</td>
<td>6 screws M24 (class 12/9)</td>
<td>5,8</td>
<td>294 T</td>
</tr>
<tr>
<td>PL15T56</td>
<td>PIN 15T (M56)</td>
<td>15T</td>
<td>Thread M56</td>
<td>11</td>
<td>171 T</td>
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<tr>
<td>PL15T48</td>
<td>PIN 15T (M48)</td>
<td>15T</td>
<td>Thread M48</td>
<td>9</td>
<td>135 T</td>
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<tr>
<td>PL15T42</td>
<td>PIN 15T (M42)</td>
<td>15T</td>
<td>Thread M42</td>
<td>8</td>
<td>134 T</td>
</tr>
<tr>
<td>PL05T36</td>
<td>PIN 05T (M36)</td>
<td>5T</td>
<td>Thread M36</td>
<td>19</td>
<td>98 T</td>
</tr>
</tbody>
</table>

* Tests carried out under the control of Bureau Veritas.
MLS 50T /

IMPORTANT INFORMATION /

Battery life: 100h

Battery charging time: 2h

Use the "Slow" speed of the overhead crane with the system at the time of hooking and unhooking of the stud.

The MLS 50T lifting system is used to lift and transport molds up to 50 tons.

Do not use for flipping or maintenance of molds.

Registered Design According to standards: EC 2006/42 / EC

WARNING:

By Using The "Mls 50T" System On Your Tools, You Must Equip Your Molds With A System Designed, Dimensioned And Built According To Eec Standards. Please Refer To The Catalog Below. In The Event That You Choose To Install A Copy Of "Mls 50T" (Not Provided By Liftmould Or One Of Our Official Distributors), Liftmould Can Not Be Held Responsible For Any Problem. In The Case Mentioned Above, The Legal Or Criminal Liability Of Liftmould And Its Official Distributors Can Not Be Engaged.
To ensure the proper operation of the lifting system and to use it safely, it is imperative to have a minimum dimension of 350 mm between the muffle and the top of the hook banana (see map below):
RECOMMENDED HOOK
N° 10 (classe V)
RECOMMENDED HOOK
N° 12 (classe V)

<table>
<thead>
<tr>
<th>Cod</th>
<th>0G11120VBS</th>
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</thead>
<tbody>
<tr>
<td>DIN15401 RSN 12-V</td>
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</table>

<table>
<thead>
<tr>
<th>a1</th>
<th>a2</th>
<th>a2 utile</th>
<th>a3</th>
<th>b1</th>
<th>b2</th>
<th>d1</th>
<th>e3</th>
<th>g1</th>
<th>h1</th>
<th>h2</th>
<th>l1</th>
<th>l1 din</th>
<th>y</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>100</td>
<td>87</td>
<td>143</td>
<td>112</td>
<td>95</td>
<td>85</td>
<td>252</td>
<td>400</td>
<td>140</td>
<td>710</td>
<td>510</td>
<td>180</td>
<td></td>
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</table>

Peso: 65 kg

Port. Ion
<table>
<thead>
<tr>
<th>M3</th>
<th>M4</th>
<th>M5</th>
<th>M6</th>
<th>M7</th>
<th>M8</th>
</tr>
</thead>
<tbody>
<tr>
<td>18m</td>
<td>1Am</td>
<td>2m</td>
<td>3m</td>
<td>4m</td>
<td>5m</td>
</tr>
<tr>
<td>63</td>
<td>50</td>
<td>40</td>
<td>32</td>
<td>25</td>
<td>-</td>
</tr>
</tbody>
</table>
It is mandatory to use screws CHC M24 L= 90 mm class 12.9 to fix the stud 50T on the mold.

CMU : 50T / Tightening torque 109.5daNm.

The company LIFTMOULD does not provide the screws.

The stud 50T must be placed at the center of gravity of the mold.

Liftmould can supply you with an electric torque wrench with battery for tightening M24 screws.
PIN 15T M56

CMU: 15 T / Tightening torque: 40 daN / m
PIN 15T M48 /

CMU: 15 T / Tightening torque: 40 daN / m
PIN 15T M42 /

CMU: 15 T / Tightening torque: 40 daN / m
PIN 05T M36

CMU: 05 T / Tightening torque: 25 daN / m
Liftmould provides you with a plan of centering washers to center the hook on the axis of the system.

For proper operation of the MLS 50T lifting system, it is imperative that the hook is centered on the axis.

**CENTER WASHERS**

LiftMould

3 X 45°

4 Trou S Ø 8.5 à 90°

Matière: Acier

Obs: 2 rondelles par prehenseur

Rondelles de centrage crochet
CHAPE FOR PIN 50T
LIFTMOULD /

Below you will find an example of mold copings suitable for the installation of a 50T Liftmould pad.
MAINTENANCE SYSTEM MLS 50T /

INFORMATION /

The tightening torque of the MLS 50T screws must be checked according to the frequency of use and at least **every 6 months** (the correct position of the screws is indicated by a paint indicator).

Check the system:
- visual at each use (screw, general condition)
- periodic (according to the legislation in force) by the user.

MAINTENANCE LUBRICATION /

Every 3000 cycles (see lubrication document)

MAINTENANCE OF 2 YEARS /

Mandatory overhaul by the manufacturer or authorized distributors every **2 years or 40,000 cycles**.
Planned immobilisation: 4h

MAINTENANCE OF 10 YEARS /

The system must be completely dismantled by the manufacturer or its authorized distributors in its entirety **every 10 years** for the replacement of worn parts.
Immobilization of the system: 2 days
MAINTENANCE PIN
LIFTMOULD /

MAINTENANCE PLOT 50T / 15T / 5T

The studs are to be checked by an approved body every year.

A damaged or impacted stud must be replaced. If there is a cut equal to or greater than the angle of the chamfer or radius (ie 5 mm), replace the stud.

Do not use a stud that has been deformed or shocked.

It is strictly forbidden to repair a stud.
MLS 50T PREHISSEUR WARRANTY /

The MLS 50T lifting system is guaranteed for 2 years.

- The warranty covers any manufacturing defect.

- The guarantee does not take into account the wear, the breakage, the bad use by the customer ...

GUARANTEE PLOTS 50T, 15T, 5T /

The studs 50T, 15T and 5T are guaranteed during 1 year.

- The warranty covers any manufacturing defect.

- The guarantee does not take into account the wear, the breakage, the bad use by the customer ...
HEIGHT UNDER HOOK /

695 mm
SPACER TO CONNECT
PLOT 50T

* Cette cote peut être augmentée suivant besoin client

*Bride entretoise carrée/ rectangulaire
Matière: 42Cd4 Tr

Plan propriété de Liftmould SAS reproduction interdite
To avoid any interference with the MLS 50T system, it is advisable to provide a gap of \(\varnothing 540\) around the center point of the stud.