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3000 people worldwide

Leviat.com
Discard Criteria for Spherical Headed (SH) Anchor Systems

The following diagrams show the causes for immediate discard/replacement.

- Bent or distorted handle
- Excessive loop wear and deformation
- Excessive deformation with cracking in the handle
- Unauthorised repair or modification e.g. welding
- Out of tolerance slot
- Bent lips, slot too wide
- Bending, distortion of the loaded slot lips
- Bent, worn slot

Immediate Discard Criteria for Ancon Unilift Locking Klaws

According to AS 3850.1: 2015, each clutch should be load tested to 1.2 x WLL at least annually. Clutches should be immediately withdrawn from service and scrapped if:

- The Ancon Unilift Locking Klaw visibly deforms or fails during a proof load test.
- There is a defect or wear which could reduce the safe working capacity of the clutch.

Cracking

If there are any visible cracks in any part of the Locking Klaw, it should be discarded immediately.

Deformation

During the annual inspection the width of the slot and the width of the lip thickness should be measured.

The following table shows the threshold values.

<table>
<thead>
<tr>
<th>Working Load Limit</th>
<th>Max slot width (mm)</th>
<th>Min lip thickness (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.3</td>
<td>13</td>
<td>5.5</td>
</tr>
<tr>
<td>2.5</td>
<td>18</td>
<td>6</td>
</tr>
<tr>
<td>5</td>
<td>25</td>
<td>8</td>
</tr>
<tr>
<td>10</td>
<td>32</td>
<td>12</td>
</tr>
<tr>
<td>20</td>
<td>46</td>
<td>18</td>
</tr>
<tr>
<td>32</td>
<td>58</td>
<td>24</td>
</tr>
</tbody>
</table>
**Discard Criteria for Ring Clutch (RC) Anchor Systems**

- Distorted handle
- Bent handle
- Distortion or excessive wear and/or cracking of upper or lower loops
- Wear, distortion in the “bridge” of the slot
- Broken locking rings
- Bent, distorted locking rings
Ancon EdjPro Clutch Discard Criteria

This discard criteria applies to Ancon EdjPro clutch models manufactured from 2020, shown below.

Note: Discard criteria for superseded clutch models are available from Leviat upon request.

General criteria for immediate discard and replacement: damage, distortion or fracture

Severe wear, excessive bruising
Distortion
Bending
Evidence of weld repairs or cracking
Locking ring fracture, bending, distortion, wear

Any clutch which shows evidence of cracking, overloading or distortion more than 5 degrees out of plane from the original shape or dimension should be immediately withdrawn from service, destroyed and replaced with a genuine Ancon EdjPro clutch.

Ancon EdjPro clutches are not compatible with, and may not be substituted by, clutches made by others.
Discard Dimensions and Proof Test Load Requirements

Notes: Each clutch is tested to twice the WLL prior to first sale. This initial test always leaves a small “dent” inside the top loop and some wear and bruising caused by the attached lifting tackle is normal. The average diameter shown above should be made by taking at least 5 measurements around the circumference.

At least annually, each clutch must be visually inspected for wear, damage and distortion and proof tested to the load shown in the table above, by a third party accredited test authority in accordance with the requirements of AS 3850.1:2015.

A compatible Ancon EdjPro anchor or a test piece approved by Leviat shall be used for the proof test.

The clutch must attain the proof load without signs of distortion or failure. Failure to meet the proof load shall be a reason for immediate clutch destruction and replacement.

<table>
<thead>
<tr>
<th>Ancon EdjPro Clutch Dimension after wear</th>
<th>Loop and Handle Diameter Average (minimum diameter)</th>
<th>Slot Width</th>
<th>Bridge Depth</th>
<th>Locking Ring Width</th>
<th>Locking Ring Height</th>
<th>WLL</th>
<th>Annual Proof Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>D mm</td>
<td>W mm</td>
<td>B mm</td>
<td>Lw mm</td>
<td>Lh mm</td>
<td>tonnes</td>
<td>kN</td>
</tr>
<tr>
<td>EPLCMax</td>
<td>25</td>
<td>23</td>
<td>14</td>
<td>14.5</td>
<td>21</td>
<td>15</td>
<td>177</td>
</tr>
<tr>
<td>EPLCMini</td>
<td>17</td>
<td>20</td>
<td>6.5</td>
<td>12</td>
<td>15.5</td>
<td>8.5</td>
<td>100</td>
</tr>
<tr>
<td>EPLC04</td>
<td>14</td>
<td>19</td>
<td>8</td>
<td>12</td>
<td>12</td>
<td>4</td>
<td>47</td>
</tr>
</tbody>
</table>

Notes: Each clutch is tested to twice the WLL prior to first sale. This initial test always leaves a small “dent” inside the top loop and some wear and bruising caused by the attached lifting tackle is normal. The average diameter shown above should be made by taking at least 5 measurements around the circumference.

At least annually, each clutch must be visually inspected for wear, damage and distortion and proof tested to the load shown in the table above, by a third party accredited test authority in accordance with the requirements of AS 3850.1:2015.

A compatible Ancon EdjPro anchor or a test piece approved by Leviat shall be used for the proof test.

The clutch must attain the proof load without signs of distortion or failure. Failure to meet the proof load shall be a reason for immediate clutch destruction and replacement.
Worldwide contacts for Leviat:

**Australia**
Leviat
98 Kurrajong Avenue,
Mount Druitt Sydney, NSW 2770
Tel: +61 - 2 8808 3100
Email: info.au@leviat.com

**Austria**
Leviat
Leonard-Bernstein-Str. 10
Saturn Tower, 1220 Wien
Tel: +43 - 1 - 259 8770
Email: info.at@leviat.com

**Belgium**
Leviat
Industrielaan 2
1740 Ternat
Tel: +32 - 2 - 582 29 45
Email: info.be@leviat.com

**China**
Leviat
Room 601 Tower D, Vantone Centre
No. A6 Chao Yang Men Wai Street
Chaoyang District
Beijing · P.R. China 100020
Tel: +86 - 10 5907 3200
Email: info.cn@leviat.com

**Czech Republic**
Leviat
Business Center Šafránkova
Šafránkova 1238/1
155 00 Praha 5
Tel: +420 - 311 - 690 060
Email: info.cz@leviat.com

**Finland**
Leviat
Vädursgatan 5
412 50 Göteborg / Sweden
Tel: +358 (0)10 6338781
Email: info.fi@leviat.com

**France**
Leviat
6, Rue de Cabanis
FR 31240 L'Union
Toulouse
Tel: +33 - 5 - 34 25 54 82
Email: info.fr@leviat.com

**Germany**
Leviat
Liebigstrasse 14
40764 Langenfeld
Tel: +49 - 2173 - 970 - 0
Email: info.de@leviat.com

**India**
Leviat
309, 3rd Floor, Orion Business Park
Ghodbunder Road, Kapurbawdi,
Thane West, Thane,
Maharashtra 400607
Tel: +91 - 22 2589 2032
Email: info.in@leviat.com

**Italy**
Leviat
Via F.Lli Bronzetti 28
24124 Bergamo
Tel: +39 - 035 - 0760711
Email: info.it@leviat.com

**Malaysia**
Leviat
28 Jalan Anggerik Mokara 31/59
Kota Kemuning, 40460 Shah Alam
Selangor
Tel: +603 - 5122 4182
Email: info.my@leviat.com

**Netherlands**
Leviat
Oostermaat 3
7623 CS Borne
Tel: +31 - 74 - 267 14 49
Email: info.nl@leviat.com

**New Zealand**
Leviat
2/19 Nuttall Drive, Hillsborough,
Christchurch 8022
Tel: +64 - 3 376 5205
Email: info.nz@leviat.com

**Norway**
Leviat
Vestre Svanholmen 5
4313 Sandnes
Tel: +47 - 51 82 34 00
Email: info.no@leviat.com

**Philippines**
Leviat
2933 Regus, Joy Nostalg,
ADB Avenue
Ortigas Center
Pasig City
Tel: +63 - 2 7957 6381
Email: info.ph@leviat.com

**Poland**
Leviat
UL. Obornicka 287
60-691 Poznań
Tel: +48 - 61 - 622 14 14
Email: info.pl@leviat.com

**Singapore**
Leviat
14 Benoi Crescent
Singapore 629977
Tel: +65 - 6268 6802
Email: info.sg@leviat.com

**Spain**
Leviat
Poligono Industrial Santa Ana
c/ Ignacio Zuloaga, 20
28522 Rivas-Vaciamadrid
Tel: +34 - 91 632 18 40
Email: info.es@leviat.com

**Sweden**
Leviat
Vädursgatan 5
412 50 Göteborg
Tel: +46 - 31 - 98 58 00
Email: info.se@leviat.com

**Switzerland**
Leviat
Grenzstrasse 24
3250 Lyss
Tel: +41 - 31 750 3030
Email: info.ch@leviat.com

**United Arab Emirates**
Leviat
RA08 TB02, PO Box 17225
JAFZA, Jebel Ali, Dubai
Tel: +971 (0)4 883 4346
Email: info.ae@leviat.com

**United Kingdom**
Leviat
President Way, President Park,
Sheffield, S4 7UR
Tel: +44 - 114 275 5224
Email: info.uk@leviat.com

**United States of America**
Leviat
6467 S Falkenburg Rd.
Riverview, FL 33578
Tel: (800) 423-9140
Email: info.us@leviat.us

For countries not listed
Email: info@leviat.com

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For more information on the following products, please contact:

**Masonry, Structural and Precast Concrete products:**
1300 304 320
info.ancon.au@leviat.com
Ancon.com.au

**Concrete Floor Jointing products:**
Tel: 1800 335 215
Email: info.connolly.au@leviat.com
Web: Connollykeyjoint.com
Email: info.isedio.au@leviat.com
Web: Isedio.com.au

**Remedial Masonry products:**
1300 667 071
info.helifix.au@leviat.com
Helifix.com.au

**General Enquiries**
1300 304 320
Leviat.com

**Sales Offices and Production**

**New South Wales, Sydney**
98 Kurrajong Avenue
Mount Druitt | Sydney
NSW 2770

**Queensland**
4/15 Terrace Place
Murarrie | Brisbane
QLD 4172

**Western Australia**
18 Tennant Street
Walshpool | Perth
WA 6106

**New South Wales, Casino**
10 Irving Drive
Casino
NSW 2470

**Victoria**
9/63-69 Pipe Road
Laverton North | Melbourne
VIC 3026

---

Leviat.com