Flex PLI
Drawing Review

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Issue 3 (updated by Patrick Gay) – 20-03-13
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• Materials
• Drawings
• Assemblies
• Missing drawings
Materials
• Aluminium parts:
  Alloy / temper should be more specific
  Is it the same alloy for all parts?

Drawing numbers:

<table>
<thead>
<tr>
<th>133-5103</th>
<th>133-5104</th>
<th>133-5106</th>
<th>133-5302</th>
<th>133-5306</th>
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<tbody>
<tr>
<td>133-5310</td>
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• Nylon parts:
  Material properties should be more specific
  Is it the same grade for all parts?

Drawing numbers:

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<thead>
<tr>
<th>133-5107</th>
<th>133-5108</th>
<th>133-5301</th>
<th>133-5304</th>
<th>133-5305</th>
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<tr>
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<td>133-5518</td>
<td>133-5519</td>
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</tbody>
</table>
• Steel parts + cables:
  Material properties should be more specific
  Is it the same type for all parts?

Drawing numbers:

| 133-5001 | 133-5002 | 133-5003 | 133-5004 | 133-5005 | 133-5012 |
| 133-5029 | 133-5030 | 133-5031 | 133-5110 | 133-5350 | 133-5360 |
| 133-5504 | 133-5509 | 133-5521 | 133-5525 |          |          |
Drawings
The Velcro length is the same for tibia and femur?
Fillets should be defined, 5x45°?
Diameter not specified
Assemblies
133-5100

Parts 28 (133-5516) and 17 (133-5102) cannot fit properly.

Radius 5mm

Radius 3mm
133-5313

Wrong labelling on “2”? 

Drawing (133-5303) not available
Drawing (133-5021) not available
Missing drawings

Some drawings mentioned on the User Manual could not be reviewed because they were not included in the drawing package.

Example: 133-5501, 133-5034, 133-5112...
Missing drawings

Leg components:
133-5303 – String guide, Knee
133-5021 – PCB, Flex PLI

Mentioned in User Manual:

<table>
<thead>
<tr>
<th>133-5034</th>
<th>133-5105</th>
<th>133-5112</th>
<th>133-5113</th>
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Note: Some of these drawings are instrumentation related.
Missing drawings

Dynamic Certification Test Rig:

(should be removed from User Manual?)

<table>
<thead>
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<th>133-8400</th>
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<th>133-8412</th>
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Thank you for your attention