Flex PLI
Drawing Review

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Project Engineer

Issue 4 (updated by Patrick Gay) – 29/05/2013
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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:

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- Nylon parts:
  Material properties should be more specific
  Is it the same grade for all parts?

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- Steel parts + cables:
  Material properties should be more specific
  Is it the same type for all parts?

Drawing numbers:

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133-5001, 133-5005, 133-5509

Radius not defined

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The Velcro length is the same for tibia and femur?
133-5101, 133-5520

Positions and dimensions?
Fillets should be defined, 5x45°?
Position of the centre?
Centre position should be defined same as 133-5517?
Material?
Assemblies
Parts 28 (133-5516) and 17 (133-5102) cannot fit properly.
133-5313

Drawing (133-5303) not available

Wrong labelling on “2”?

repeat balloons for these 2 as well
Drawing (133-5021) not available

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Missing drawings

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

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

Mentioned in User Manual:

133-5034  133-5105  133-5112  133-5113  133-5114  133-5710
133-5711  133-5712  133-5713  133-7502  133-7506  133-7507
133-7508  133-7514  133-7516  133-7530  133-7540  133-7600
133-8114  133-8200

Note: Some of these drawings are instrumentation related
Missing drawings

Should the reference of this drawing to be deleted (specific to one type of instrumentation?) or should be included in drawing package?

Drawing incorporated in user manual but not appearing in drawing package (user manual p40 of 99).
Missing drawings

Certification Test Rig:

(should be removed from User Manual?)

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Thank you for your attention