



LASER INTERFEROMETER GRAVITATIONAL WAVE OBSERVATORY

*LIGO Laboratory / LIGO Scientific Collaboration*

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***ADVANCED LIGO***

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**CUSTOMISED TOOLBOX for SOLIDWORKS**

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This is an internal working note  
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## 1. **CUSTOMISED TOOLBOX FOR USE WITH SOLIDWORKS**

### 1.1 Introduction

A customized toolbox has been created for use with SolidWorks.

### 1.2 Customised Toolbox

A customized toolbox was originally created as an alternative to the SolidWorks toolbox. Before the introduction of the Caltech LIGO PDMWorks Vault assemblies were exchanged and shared across a server. The SolidWorks toolbox was unable to work under these conditions and hence the need to create a custom toolbox.

Now with the vault it is possible to use either the custom or the SolidWorks toolbox. A .ZIP file with the custom toolbox, explained below, is attached. An updated set owned by the administrator is stored on the vault.

If used a version should be stored locally. It is not necessary to load the custom toolbox parts to the vault when transferring assemblies.

NAME	MATERIAL
1) HARDWARE	
METRIC:	
SCHS	SST and Ag-SST
SET SCREWS	SST and Ag-SST
VENTED SCHS	SST and Ag-SST
NUTS	SST
WASHERS	SST
THREADED ROD or STUD	SST
HEX HEAD SCREWS	SST and Ag-SST
IMPERIAL / ENGLISH:	
SCHS	SST and Ag-SST
SET SCREWS	SST and Ag-SST
VENTED SCHS	SST and Ag-SST
ROUNDED SHCS	SST and Ag-SST
NUTS	SST
WASHERS	SST
THREADED ROD or STUD	SST
HEX HEAD SCREWS	SST and Ag-SST

## 2) TOOLS / MISC

## METRIC:

WRENCH KEY SET	----
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## IMPERIAL:

WRENCH KEY SET	----
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COMP C-SPRING	----
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EYEBOLT	----
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SPRING PINS	----
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INTERLOCKING MASSES	----
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LIGO / GEO MAN	----
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## 3) TBD

WRENCH or SPANNER SET	----
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