

LIGO Laboratory / LIGO Scientific Collaboration

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CUSTOMISED TOOLBOX for SOLIDWORKS

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This is an internal working note of the LIGO Project.

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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 eh 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.

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

ROUNDED SHCS

SST and Ag-SST

SST and Ag-SST

SST

WASHERS

SST

THREADED ROD or STUD

HEX HEAD SCREWS

SST and Ag-SST

2) TOOLS / MISC

METRIC:

WRENCH KEY SET ---

IMPERIAL:

WRENCH KEY SET ----

COMP C-SPRING ----

EYEBOLT ----

SPRING PINS ----

INTERLOCKING MASSES ----

LIGO / GEO MAN ----

3) TBD

WRENCH or SPANNER SET ----