

TRT Inventree

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Overview

Parts are first created in Inventree where they are assigned an IPN. Then they can be created in fusion/solidworks/kicad with the correct IPN. Parts should be named in all caps. The part naming format is <IPN | Name> (example: 27_000123_A | EXAMPLE PART)

This needs visuals and to be better in general

TRT Inventree Part Creation Tutorial

Go to erp.rockets.wiki and create an account with your Terpmail if you haven't already.

Go to the *part page* (not part categories page!) and click the plus, then click *create part*:

Dashboard

Parts

Stock

Manufacturing

Purchasing

Parts

Part Categories

Parts

Create a new part

Create Part

		IPN
☐	MDI	TRT-0000054/A
☐	PDMS	TRT-0000053/A
☐	Triton X-100	TRT-0000052/A
☐	Lecithin	TRT-0000051/A
☐	HX-878	TRT-0000050/A
☐	DOA	TRT-0000049/A
☐	R-45HTLO	TRT-0000048/A
☐	Oxamide	TRT-0000047/A
☐	Magnesium -325	TRT-0000046/A
☐	Aluminum	TRT-0000045/A
☐	AP90	TRT-0000044/A
☐	AP200	TRT-0000043/A
☐	AP400	TRT-0000042/A
☐	6061-T6 6" x 5.5" x 60" Tube Stock	TRT-0000040/A
☐	6061-T6 6.5" x 2" Round Stock	TRT-0000039/A
☐	6061-T6 6.5" x 4" Round Stock	TRT-0000038/A
☐	6061-T6 6.5" x 6" Round Stock	TRT-0000037/A
☐	Aerostructures Shell Assembly	TRT-0000036/A
☐	AIRBRAKE TUBE	TRT-0000035/A
☐	Airbrake Body Tube	TRT-0000034/A
☐	Airbrake Coupler Tube	TRT-0000033/A
☐	Payload Coupler	TRT-0000032/A

Give your part a name and a category:

Make sure the category is the broadest use of your part; for example, a part used only by a single airbrake assembly can go in *Competition Team/Airbrake/Example_Assembly*, but a part used by multiple assemblies in the Airbrake should go in *Competition Team/Airbrake/General*. A part that is used by the whole team competition team goes in *Competition Team/General*, and a part that the whole team uses just goes in *General/*.

Add Part ×

Category
Part category
 ▼

Name * ↓
Part name

IPN
Internal Part Number

Description
Part description (optional)

Revision
Part revision or version number

Revision Of
Is this part a revision of another part?
 ▼

Variant Of
Is this part a variant of another part?
 ▼

Keywords
Part keywords to improve visibility in search results

Tags
Tags for this item

Units

☐ **Keep form open**
Keep form open after submitting

Scroll all the way down. If the part is SRAD, check Assembly. If the part is COTS, check Purchasable:

Search... | v

- ☒ **Component**
Can this part be used to build other parts?
- ☒ **Assembly**
Can this part be built from other parts? ←
- ☐ **Is Template**
Is this part a template part?
- ☐ **Testable**
Can this part have test results recorded against it?
- ☐ **Trackable**
Does this part have tracking for unique items?
- ☒ **Purchaseable**
Can this part be purchased from external suppliers? ←
- ☐ **Salable**
Can this part be sold to customers?
- ☐ **Virtual**
Is this a virtual part, such as a software product or license?
- ☐ **Locked**
Locked parts cannot be edited
- ☒ **Active**
Is this part active?
- ☒ **Copy Category Parameters**
Copy parameter templates from selected part category

Click Submit to create the part:

Can this part be used to build other parts?

- ☒ **Assembly**
Can this part be built from other parts?
- ☐ **Is Template**
Is this part a template part?
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- ☒ **Copy Category Parameters**
Copy parameter templates from selected part category

☐ **Keep form open**
Keep form open after submitting

[Cancel](#) [Submit](#)

PAUSE. If your part is COTS, you are done! If the part is SRAD, then it will also need a bill of materials (BOM) before it is produced. This step can be done any time after the part is created (so if you do not yet know what or how many parts your assembly is made of, you can add them later), but it must be done before the part is physically produced.

Parts > Aerostructures > SRAD Flight Parts

Part: TRT-000034/A | Airbrake Body Tube

Part Details

Stock

Allocations

Bill of Materials

Used In

Part Pricing

Build Orders

Related Parts

Parameters

Attachments

Notes

Plugin Provided

Procedures

Bill of Materials

BOM Not Validated

The Bill of Materials for this assembly has not been validated

Component

3K 220gsm Plain Weave Carbon Fiber Cloth

LAM-125

LAM-229

1 - 3 / 3

Once the BOM is correct, validate the BOM:

AIRBRAKE BODY TUBE

NO STOCK

Bill of Materials

BOM Not Validated

The Bill of Materials for this assembly has not been validated.

Component

LAM-125

LAM-229

AS4C CARBON FIBER TOW

COTS_110001

COTS_110002

COTS_110004

2

2

12

[g]

[g]

[m]

\$0.048

\$0.138

-

No stock

No stock

No stock

0

0

0

Can Build

Then lock the part to prevent accidental changes:

etition Team > Aerostructures > Airframe Shell Assembly

AIRBRAKE BODY TUBE

NO STOCK

Bill of Materials

Duplicate

Edit

Component

LAM-125

LAM-229

AS4C CARBON FIBER TOW

COTS_110001

COTS_110002

COTS_110004

2

2

12

[g]

[g]

[m]

\$0.048

\$0.138

-

No stock

No stock

No stock

0

0

0

Can Build

to this part's complete part

- ☐ **Testable**
Can this part have test results recorded against it?
- ☐ **Trackable**
Does this part have tracking for unique items?
- ☐ **Purchaseable**
Can this part be purchased from external suppliers?
- ☐ **Salable**
Can this part be sold to customers?
- ☐ **Virtual**
Is this a virtual part, such as a software product or license?
- ☒ **Locked**
Locked parts cannot be edited
- ☒ **Active**
Is this part active?
- ☐ **Subscribed**
Subscribe to notifications for this part