



JIS Standard Parts



Welcome to the JIS Standard Parts.

Genius LT has an option in the toolbox for placing standard parts into your drawing. Simply by clicking on the standard parts icon opens another toolbox which has symbols for all of the standard parts presently possible with Genius LT.

A complete listing of all possible standard parts commands is shown.



- Hole (JIS ISO261,1001)
- Countersunk Hole (JIS)
- Nuts (JIS 1170,1181,1183,1190)
- Allen Screws (JIS 1176)
- Set Screws (JIS 1177)
- Hex-head Bolts (JIS 1180)
- Washers (JIS1256, 1251)
- Retaining Rings (JIS 2804, 2805)
- Bearings (JIS 1521,1522,1523,1532,1533,1534,1535)
- Pins (JIS 1352,1354,1355)
- Rivets (JIS 1213)
- Parallel Keys and Centerholes (JIS 1301,1011)





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Standard Parts



Essentially, the procedure to insert a standard part remains fairly consistent regardless of the part being inserted. Therefore, once you've mastered inserting one standard part, you've also pretty much mastered the others, as well. To illustrate how easy it is, we'll step you through the procedure for placing a bolt in a drawing.

1. From the standard parts toolbox, select the another appropriate standard part.



2. Determining the size of the construction component: a dialog box opens displaying the information provided from the database about the sizes as well as other relevant data pertaining to the screw. Further, you have the opportunity to perform a restricted search through the database to find a screw (or standard part) better meeting the requirements of the design. For example, you could look for a size greater than or equal to (\geq) 40 and then only those parts would be listed.
3. When you are in the database and are searching for parts, a slide of the respective element is displayed within the dialog box. If the slide is too small to distinguish it from the other elements of the database, or if you need to see the actual dimensions that variables refer to, you can click on the slide to receive an expanded view of that slide in another window. This window can be scaled like any other Windows window by dragging the corners. It remains open until you close it.
4. After specifying the size, it might be necessary to enter in other values associated with the standard part. If not all dimensions have been specified, you are prompted for the values of the missing dimension variables.
5. The last dialog box before insertion asks whether the variant design should be inserted as a block (all elements of representation kept together as a group), whether the part should be dimensioned with the given values, and whether the infopoint with its related attributes should be placed in the drawing. For different views of a part, you may have to specify whether or not a symmetry axis should be drawn.
6. The command line places the part on the cursor for you to position and then to rotate. If no rotation of the

part is needed, you can simply hit the E key.

It is possible to work in multiple standards at the same time. You simply open the respective toolboxes and pin them in place; then change standards and open the respective toolboxes from that standard.



Note: When you exit Genius LT, Genius LT stores in the GENLT.INI file the last standard that you set. The next time you enter Genius LT, that will be the first active standard.



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