

PI Design - Standard Hardware

The following tables list the Inventor Content Center hardware families to be used as standard.

If the required type or size of hardware is not included in the following families please download models externally and process as a Buy (Smart Part req'd)

Imperial Hardware Families		
Fastener Type	Content Center Family Name	Description Template
Hex Head Bolt	Hex Bolt - Inch - Grade 8	ANSI B18.2.1 HHCS [THREAD SIZE] [THREAD TYPE] - [LENGTH] GRADE 8 ZINC YELLOW CHROMATE
Socket Head Bolt	Grade 8 Hexagon Socket Head Cap Screw - Inch	ANSI B18.3 SHCS [THREAD SIZE] [THREAD TYPE] - [LENGTH] ASTM A574 ZINC
Flat Head Bolt	Flat Head Socket Grade 8	ANSI B18.3 FHSC [THREAD SIZE] [THREAD TYPE] - [LENGTH] ASTM F835 ZINC
Washer	SAE J2655 Washer (Grade 8)*	ANSI B18.22.1 NARROW WASHER [SIZE] SAE GRADE 8 ZINC YELLOW CHROMATE
Nylock Hex Nut	Nut Nylock Zinc - Inch - Grade 8	ANSI B18.16.6 NUT NYLOCK [THREAD SIZE] [THREAD TYPE] GRADE 8 ZINC YELLOW CHROMATE

^{*}Use the "narrow – Type A" washers only! These have the dimensions equivalent to the SAE J2655 specification.

Metric Hardware Families		
Fastener Type	Content Center Family Name	Description Template
Hex Head Bolt	ISO 4017	ISO 4017 BOLT [SIZE] x [LENGTH] [ISO CLASS] **
Socket Head Bolt	ISO 4762	ISO 4762 BOLT [SIZE] x [LENGTH] [ISO CLASS] **
Flat Head Bolt	ISO 10642	ISO 10642 BOLT [SIZE] x [LENGTH] [ISO CLASS] **
Washer	ISO 7089	ISO 7089 BOLT [SIZE] [ISO CLASS] **
Nylock Hex Nut	ISO 10511	ISO 10511 BOLT [SIZE] [ISO CLASS] **

^{**}Metric hardware families use an ISO Class (A4-80, Class 10.9, or Class 8.8) designation in the description. Make sure the proper ISO Class is selected when inserting hardware!

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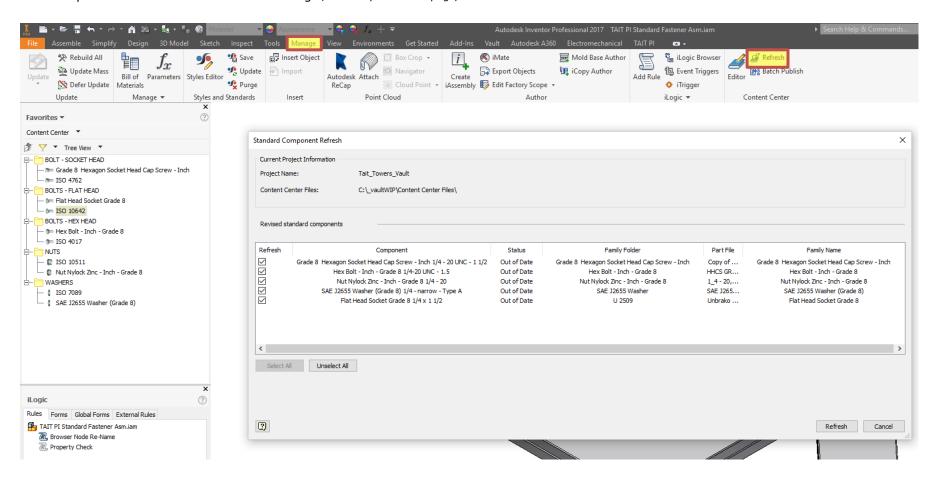
^{*}When overwriting description in drawing Parts List remove the "narrow – Type A" text.



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Updating Content Center hardware:

- 1. Perform a "Get" on the TAIT .ipj in Vault
- 2. Open assembly
- 3. Manage tab \rightarrow Content Center panel \rightarrow Refresh button
- 4. Update Parts Lists on associated drawings (see examples on next page)



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