To Add, Modify, Customize Sheet Metal Stock

Notes in the readme from 2014. The Tooltbl and Stocktbl are split (one for stock one for form and punches).

Sheet Metal Tooltbl.txt and Stocktbl.txt for Metric Systems

* Please note that beginning with this release (v2014) we have separated the data related to Sheet Metal Stock from the Tooling data used to define Sheet Metal Punches and Forms. Sheet Metal Stock data will reside in the Stocktbl.txt file and Punch and Form Tooling data will reside in the Tooltbl.txt file. As a result, you have also been provided with Metric versions of these two data files.

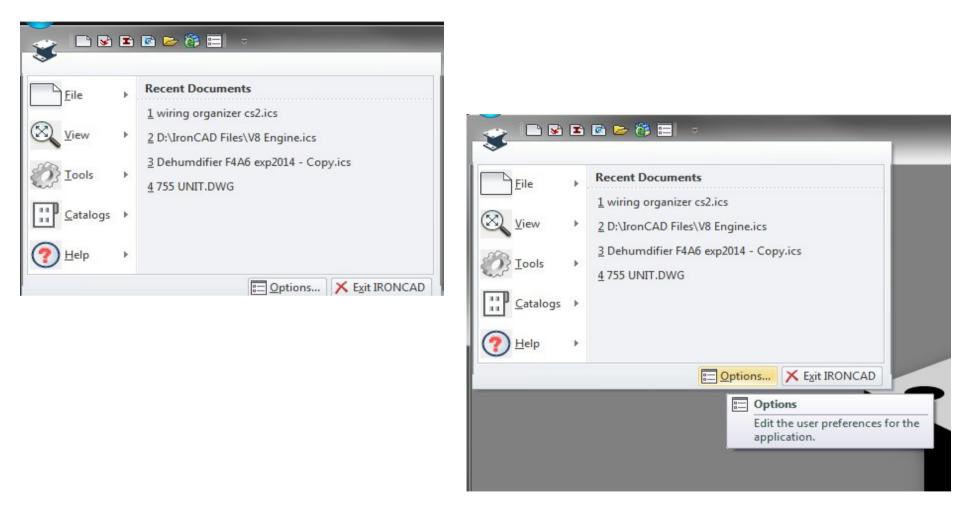
* If you are running under Metric units and wish to change your Sheet Metal Punch and Form to use metric units, rename the tooltblMetricEU.txt or tooltblMetricUS.txt to Tooltbl.txt in the \Program Files\IronCAD\2014\AppData\en-us\SheetMetal location to have a metric based Sheet Metal table data. You will need to rename the current file in the directory to make a backup. If you do not have Administrator privileges on your machine, you may need to move the file to C:\Documents and Settings*Username*\Application Data\IronCAD\16.0\en-us\SheetMetal in order for IRONCAD/INOVATE (Vista Machines use C:\Users*Username*\AppData\Roaming\IronCAD*Product*\16.0 - where *Product* is IRONCAD, INOVATE, or IRONCAD DRAFT) to use the updated file. This change may cause existing sheet metal to lose editable table fields or may change the geometry if a new value is selected from the new table. Users should test the change to understand the changes that may occur.

* If you are running under Metric units and wish to change your Sheet Metal Stock to use metric units, rename the StocktblMetricEU.txt or StocktblMetricUS.txt to Stocktbl.txt in the \Program Files\IronCAD\2014\AppData\en-us\SheetMetal location to have a metric based Sheet Metal table data. You will need to rename the current file in the directory to make a backup. If you do not have Administrator privileges on your machine, you may need to move the file to C:\Documents and Settings*Username*\Application Data\IronCAD\IRONCAD\16.0\enus\SheetMetal in order for IRONCAD/INOVATE (Vista Machines use C:\Users*Username*\AppData\Roaming\IronCAD*Product*\16.0 where *Product* is IRONCAD, INOVATE, or IRONCAD DRAFT) to use the updated file. This change may cause existing sheet metal to lose editable table fields or may change the geometry if a new value is selected from the new table. Users should test the change to understand the changes that may occur.

Regional Settings for your OS. Control Panel -> Region and Language. In the Formats page, at the bottom is "Additional settings...". Check the settings that you have currently setup for Decimal Symbols, digit grouping symbol, etc. The Tool and Stock tables are processed based on these settings. If you are trying to process a table where the decimals use the comma, while your system thinks Decimal symbol is a period, it will cause a problem.

To Add, Modify, Customize Sheet Metal Stock

Click on the IRONCAD symbol on the Top left hand corner of your screen as shown.



Select the Options below this drop down overlay

Look for Sheet Metal on the list and tick to expand

Options - General										
Options		Seleo	ct Stock to disp	play the	e she	et m	etal	list		
- Parts	Show Welcome dialog on startup			,						
- Assembly	Number of recent files want to show 4									
Interaction	 Show Edit CrossSection dialog for extrude, spin and sweep shapes Show Light Wizard 	Options - Stock								×
Directories	Show Camera Wizard									
Sheet Metal Rendering	Show SmartMotion Wizard	Options								
Performance AutoCAD Import	☑ Show Warning of file link reference changes due to SaveAs ☑ Show Warning when linked shape names are inconsistent	General Parts	Select a stock from the list to be used as the default stock for new sheet metal parts.							
- Technical Drawing - Properties List	Were the linked "User Name" for this instance Keep the current "User Name" and set the properties to "Only this part".	Assembly	Default sheet metal stock: Alu	iminized Steel - 2	0					
Color	Show warning of multiple external link		Name	Code	G Th.	Wt.	R min.	k		
		Directories	Generic Steel Sheet Stock		u III.		TYTIMI.			
	Precision displayed in dialogs (number of decimal places): 4	Sheet Metal	Cold Rolled Steel - 24		24 0.0240	0.0031	0.0480	0.3330		
	Dimension precision (number of decimal places): 2	Sheet Metal	Cold Rolled Steel - 22		2 0.0300	0.0039	0.0600	0.3330		
	Mouse pick aperture (pixels): 6 Number of undo steps: 5	Stock	Cold Rolled Steel - 21		21 0.0330		0.0660	0.3330		
	Drawing mouse pick aperture: 6	Rendering	Cold Rolled Steel - 20		20 0.0360		0.0720	0.3330	-	
	Dimension Font Size 15	Performance	Cold Rolled Steel - 18		8 0.0480		0.0960	0.3330	=	
	General	AutoCAD Import	Cold Rolled Steel - 16		6 0.0590	0.0079	0.1180	0.3330	Add	
	Copy image data to scene file on save	Technical Drawing	Cold Rolled Steel - 14		4 0.0740		0.1480	0.3330		
	Prompt for document properties on save	Properties List	Cold Rolled Steel - 13		3 0.0900	0.0118	0.1800	0.3330	Edit	
	Read-only linked file edit warning	Color	Cold Rolled Steel - 12	1	2 0.1050	0.0138	0.2100	0.3330		
	Show assembly feature scope dialog		Cold Rolled Steel - 11		1 0.1200	0.0157	0.2400	0.3330		
	Chable Califieral Parallel Culling eduling		Auminized Steel - 20	2	0.0400	0.0052	0.0800	0.3330	Remove	
	Enable Smart Assembly Restore original camera view on exit		Auminized Steel - 18	1	8 0.0520	0.0067	0.1040	0.3330		
	Reposition and Constrain Anchor Number of camera undo steps: 10		Auminized Steel - 16	1	6 0.0640	0.0082	0.1280	0.3330		
	Enable file save reminder		Aluminized Steel - 14	1	4 0.0790	0.0102	0.1580	0.3330		
	Remind file save every 10 minutes		Electrogalvanized Ste	. 2	0.0350	0.0046	0.0700	0.3330		
	Show Command Message Details in		Electrogalvanized Ste	. 1	8 0.0480	0.0063	0.0960	0.3330		
	Command Browser		Electrogalvanized Ste	. 1	6 0.0590	0.0077	0.1180	0.3330		
			Electrogalvanized Ste	. 1	4 0.0750	0.0098	0.1500	0.3330	-	
			Kara	i i	i					
Load Export	OK Cancel Apply			Vt. : Weight (kg/: 1 min.: Minimum b			k : k-factor			
			Stock data file:							
			ers\JCOSD\AppData\Local\IronCAD\IRONCAD\16.0\en-us\SheetMetal\Stocktbl.bt							
			C:\Users\JCOSD\AppData\Lo	cal\lronCAD\IR	ONCAD\16.0)\en-us\Sh	neetMetal\	Tooltt		
			The current stock table data file	e is not writable.						
								_		
		Load Export				ОК		Cancel	Apply	Help

Look for Stock data file which by default is location and copy the Stocktble.txt file or go to C:\>Program Files > IronCAD > 2014 > en-us > SheetMetal and select from the list. Again you may copy the file is you wish to modify.

Stock data file:

C:\Users\JCOSD\AppData\Local\IronCAD\IRONCAD\16.0\en-us\SheetMetal\Stock

....

NOTE: If you selected the StocktblMetricUS.txt, replace the Tool Data File with appropriate tooltblMetricUS.txt file. The MetricEU displays an error reading the tooltbl.txt file, at or near line: 56 if the regional settings is set differently. Please refer to bottom of the first page on regional settings.

Create and name a folder in your selected directory and paste the copied file on this location

ptions - Stock					
Options					
- General - Parts	Select a stock	k from the list to be used as the de	fault stock for new sheet met	al parts.	
Assembly	Default sheet	metal stock: Aluminized Steel - 2	20		
Select Sheet M	etal Stock Table				×
Look in:	IRONCAD 201	14 🗸	G 🟚 📂 🗔 🗸		
	L Custom Shee	et Metal			
Recent Places					
Desktop					
Libraries					
Computer					
Network					
	File name:	fer.			Open
		T . D		•	
	Files of type:	Text Files (*.txt)		•	Cancel

Select the file and on the right click on the mouse button, select Properties and untick the Read-only attribute to allow editing later.

M	etal Stock Table	Stocktbl.txt F	Properties
:) Custom Sheet I	General Secu	rity Details Previous Versions
s	Name		Stocktbl.txt
		Type of file: Opens with:	Text Document (.bxt)
		Location: Size:	D:\IRONCAD 2014\Custom Sheet Metal
		Size on disk:	12.0 KB (12,288 bytes)
		Created: Modified: Accessed:	Today, June 27, 2014, 5 hours ago Wednesday, July 24, 2013, 2:40:20 PM Today, June 27, 2014, 5 hours ago
	•	Attributes:	Read-only Hidden Advanced
	File name: Files of type:		
_	C. 105015 WCC		OK Cancel Apply

ons - Stock ptions									
General Parts	Select a stock from the list to be u	used as the	default	stock for	new shee	t metal par	ts.		
Assembly	Default sheet metal stock: Cold	Rolled Stee	- 24						
Interaction									
Directories	Name	Code	G	Th.	Wt.	R min.	k	<u> </u>	
- Sheet Metal	Generic Steel Sheet Stock								
- Sheet Metal	Cold Rolled Steel - 24		24	0.0240	0.0031	0.0480	0.3330		
Stock	Cold Rolled Steel - 22		22	0.0300	0.0039	0.0600	0.3330		
Rendering	Cold Rolled Steel - 21		21	0.0330	0.0043	0.0660	0.3330		
- Performance	Cold Rolled Steel - 20		20	0.0360	0.0047	0.0720	0.3330	Ξ	
	Cold Rolled Steel - 18		18	0.0480	0.0063	0.0960	0.3330		
AutoCAD Import	Cold Rolled Steel - 16		16	0.0590	0.0079	0.1180	0.3330		Add
Technical Drawing	Cold Rolled Steel - 14		14	0.0740	0.0098	0.1480	0.3330		
Properties List	Cold Rolled Steel - 13		13	0.0900	0.0118	0.1800	0.3330		Edit
Color	Cold Rolled Steel - 12		12	0.1050	0.0138	0.2100	0.3330		
	Cold Rolled Steel - 11		11	0.1200	0.0157	0.2400	0.3330		
	Aluminized Steel - 20		20	0.0400	0.0052	0.0800	0.3330		Remove
	Aluminized Steel - 18		18	0.0520	0.0067	0.1040	0.3330		
	Aluminized Steel - 16		16	0.0640	0.0082	0.1280	0.3330		
	Aluminized Steel - 14		14	0.0790	0.0102	0.1580	0.3330		
	Electrogalvanized Ste		20	0.0350	0.0046	0.0700	0.3330		
	Electrogalvanized Ste		18	0.0480	0.0063	0.0960	0.3330		
	Electrogalvanized Ste		16	0.0590	0.0077		0.3330		
	Electrogalvanized Ste		14	0.0750	0.0098	0.1500	0.3330		
	-	. : Weight (k nin.: Minimur				: k factor			
	Stock data file:								
	D:\IRONCAD 2014\Custom She	et Metal\Sto	ocktbl.	bdt]	
	Tooling data file:								
	C:\Users\JCOSD\AppData\Loc	al\lronCAD\	IRON	CAD\16.0\	∖en-us\Sh	eetMetal\7	Fooltt .		
Load Export					ОК		ancel		Apply Help

Notice that the Add, Edit, Remove features are available

Make sure you all the data available for the new stock properties

Interaction				1		
Directories	Name	Code (â Th.	Wt. R	lmin.k	<u>_</u>
Sheet Metal	Generic Steel Sheet Stock					
- Sheet Metal	Cold Rolled Steel - 24	2	4 0.0240		.0480 0.3330	
Stock	Cold Rolled Steel - 22		2 0.0300		0600 0.3330	
Rendering	Cold Rolled Steel - 21	2	1 0.0330	0.0043 0.	0660 0.3330	
Performance	Cold Rolled Steel - 20	2	0 0.0360	0.0047 0.	0720 0.3330	
AutoCAD Ima	Cold Rolled Steel - 18	1	8 0.0480	0.0063 0	0960 0 3330	
AutoCAD Imp	ck Item					Add X
Technical Dra						
	operties for this new stock have be		th the values	of the		OK Edit
Color selecte	d item. Edit the values and press O	к.				
					Ca	ncel
Stock	Properties					anov
Name	e: New Sheet Metal Stoo	<u>k</u>				
				_		
Mater	rial Code:	Gauge:	24			
	mess: 0.0240 in	Weight:	0.0031	he fee in		
Thick	ness: 0.0240 in	weight.	0.0031	kg/sq-in		
Min	Bend Radius: 0.0480 in	k-Factor:	0.3330			
Pm1.		N- actor:	0.0000			
	-				190101	