

Customization of Attribute Format

When creating a 2D drawing, many different part attributes will be used in BOM table or title block. As shown in Figure 1, lots of default part attributes are available when creating a BOM table.

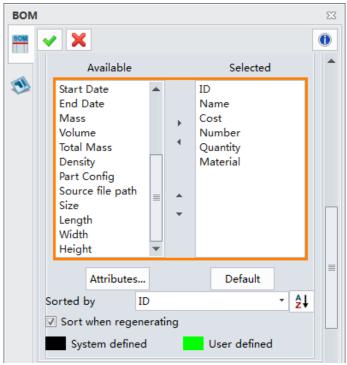


Figure 1. Available Attributes in BOM Table

After that, you will get the default result of part attributes. In ZW3D 2017, the display format of part attributes can be customized.

Let's learn how to customize the attribute format through the following case.

Date Format

The default date is the similar to system long date & long time, as shown in figure 2 and 3.

ID	Name	Quantity	Material	Start Date			Size		
1	Base	1	Aluminum	Wed	Oct	26	19:35:43	2016	185*150*105
2	Sliding Jaw	1	Aluminum	Wed	Oct	26	19:37:04	2016	90*35*101

Figure 2. Default Date Format





	ALL-IN-ONE AFFORDABLE CAD/CAN
	ALL-IN-ONE AFFORDABLE CAD/CAN

Region and Languag	e X				
Formats Location Key	boards and Languages Administrative				
Format:	Format:				
English (United State	25) 🔹				
Date and time form	ats				
Short date:	M/d/yyyy				
Long date:	dddd, MMMM dd, уууу				
Short time:	h:mm tt 🔹				
Long time:	h:mm:ss tt 🔹				
First day of week:	Sunday				
What does the nota	tion mean?				
Examples					
Short date:	12/20/2016				
Long date:	Tuesday, December 20, 2016				
Short time:	9:11 AM				
Long time:	9:11:52 AM				
<u>Go online to learn ab</u>	Additional settings out changing languages and regional formats				
	OK Cancel Apply				

Figure 3. System Date and Time

Users can follow these steps to make a customization of date format.

Step 1. Hover your cursor over the BOM table, then double click the title of the date column

to define the column type.

Step 2. Change the <Default> option to <Equation>, as shown in figure 4.

😵 Column Type 🛛 🖂	🐲 Column Type 🛛 🖙 🛛
Column property:	Column property:
<default></default>	<equation> 🔹</equation>
OK Cancel	Equation
	Attribute name
1 Ε 🥂 🔪	=
Start Date	Insert column:
Wed Oct 26 19:35 double click	•
Wed Oct 26 19:37:04 2016	Insert variable: 📶
	OK Cancel

Figure 4. Change the Column Type

Step 3. Define the equation. Attribute name and attribute value must be inputted. You can click the icon in the lower right corner to choose the needed variable, as shown in figure 5.



🍄 Column Type 🛛 🕫 😒	😨 Column Type 🛛 🖂
Column property:	Column property:
<equation> •</equation>	<equation></equation>
Equation 3	Equation
Attribute name Design Date	Attribute name Design Date
=	<pre><tv_part_startdate></tv_part_startdate></pre>
Insert column:	Insert column:
-	
Insert variable:	Insert variable:
OK Cancel	OK Cancel

Figure 5. Redefine Column Property

- **Step 4.** This is a key step. Add a suitable suffix to customize the attribute format, such as
 - <TV_part_startdate%D(s)>, as shown in figure 6.

💯 Column Type	$\overline{\nabla}$	23		
Column property:				
<equation></equation>		*		
Equation				
Attribute name Design Date = <tv_part_startdate %d(s)="" 5<="" td=""></tv_part_startdate>				
Insert column:				
Insert variable:				
OK Cance	ł			

Figure 6. Format Customization of Attribute Value

Then you will get the updated BOM table, as shown in figure 7.

ID	Name	Quantity	Material	Design Date	Size
1	Base	1	Aluminum	10/26/2016	185*150*105
2	Sliding Jaw	1	Aluminum	10/26/2016	90*35*101

Figure 7.Updated Format



In this case we learn the main steps of customization of attribute format in the BOM table. Through similar operation, you can also finish the format customization of other attributes in the 2D drawing.

	Expression	Result
Date	<pre>Pate <tvpart_startdate%d(l)t(s)></tvpart_startdate%d(l)t(s)></pre>	
	<tvpart_startdate%d(s)></tvpart_startdate%d(s)>	8/10/2016
Precision	<tvpart_volume%0.2></tvpart_volume%0.2>	104.98 mm³
Size	<tv_part_height%0.2>&"X"&<tv_part_width%0.2> &"X"&<tv_part_length%0.2></tv_part_length%0.2></tv_part_width%0.2></tv_part_height%0.2>	30X140X180

The table below lists some common-used expressions for customization of attribute format.

Figure 8. More Format Customization

