How To Use General BOM In Mech-Q On A Piping Project

Today we are exploring the General BOM found in the Mech-Q General Utility. It's great for creating a customized Weld Map table as in the video.`

In this video we'll learn:

- How to set text heights for balloons and tables
- How to calculate DIMSCALE
- How to customize a table (in our example we create a weld map)
- How to load the custom pulldowns
- How to use paper space for our schedules and then plot

You will see that we can also have both a Piping BOM and General BOM present in the same drawing.



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Table of contents and bookmarks

Below is a table of contents so you can jump back and revisit different sections of the video later using the bookmark link. This video is about 25 minutes so you may want to absorb it at your own pace.

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Exporting the manifold using Utility (found in Piping Xtra T the toolbar)	Date Export Cools within	Jump to this section
DDIM to check text height in application	your CAD	Jump to this section

Description		Bookmark
Load General BOM (Mech-Q and match the CFG button in Ribbon	Configuration in ne text height (BOM n)	Jump to this section
Mechanical Fasteners Mater Fandlin Mechanical	Anagement Diviries	
Understanding how L the sizes in the Table	DIMSCALE affects	Jump to this section
DIMSCALE visual ex	ample	Jump to this section
Calculating the DIMS	CALE	Jump to this section
DIMSCALE formula .125 (or your desired tex Divided by: 5 (the height of text mea	t height) sured in Paperpace)	Jump to this section

Description	Bookmark
Checking final settings in BOM Mech-Q BOM Configuration Mech-Q BOM Configuration BOM table row height 125 Bom table row height 125 Bom table rows limit 20 Bom table rows limit Bom table rows limit	Jump to this section
Setting up the Weld Map Table Mech-Q BOM Table Design × Field Heading Length Type TAG .3563 IS Field heading PROCEDURE Add Field heading PROCEDURE Control field Descriptive Multi-line field Benisce Justification Left Control field Delete OK SaveAa GetCFG Cancel	Jump to this section
Adding the fields (column names) in the table (BOM CFG button Ribbon, Then BOM Table Design in Dialog)	Jump to this section

Description	Bookmark
Save Template File (Choose Save As in BOM Table Design)	Jump to this section
Setting the DIMSCALE	Jump to this section
WSC = Current	Jump to this section
Test your settings by adding your first tag	Jump to this section
Setting UCS to proper orientation (Parallel to pipes axis)	Jump to this section
Using the UCS Alignment tool (for 3D only)	Jump to this section
Installing our first tag (using BOM tag icon in Ribbon)	Jump to this section

Description		Bookmark
Add data to the tag us system	sing the pulldown	Jump to this section
BQM Item data	×	
TAG A GTY 1	Upper Case	
PROCEDURE	WPS-1356-R2 ~	
DESC	<add new=""> ~</add>	
XRRQ	<add new=""> ~</add>	
XCOMP BOM Data - New Item	× ×	
WELDERS! DESC	×	
WELDINTL	v	
CERTNO Save and Ext	eXit only	
CERTEXP	<add new=""> ~</add>	
INSPINT	<add new=""> ~</add>	
INSPDATE	<add new=""></add>	
Select (Add New) to add	d new items to lists	
	1 Start new POM table	
OK Man	noe Lists	
Using USC Origin Ico	n to move the weld	Jump to this section
point (this toolbar can be tu	rned on for easier	
use)		
Repeating the proces run	s for the second pipe	Jump to this section
Adding the Thredolet procedure	to our weld	Jump to this section

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Going to Paper Space	Jump to this section
Set Dimscale to 1 so the Table will be scaled correctly	Jump to this section
Inserting the table	Jump to this section
Attribute Mirror Scale to adjust the header annotation	Jump to this section
Piping HVAC III III Steel C Tools Duct III III Shapes III	
AutoSlope St	
UCS Z-anis Object Align	
3D Rotate (9)	
Slide Itemby POINT	
Change Elev. by DISTANCE	
Change Elev, by ANGLE	
Section View Tool	
Mirror Attribute Utility	
3D dimensio Mirror Attribute Utility	
In the Main Piping BOM schedule (above our Weld Map) we use the code column	Jump to this section

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Description	Bookmark
Using ATTEDIT (type in command bar) to change headings and Attribute Mirror Scale Tool to fit the text	Jump to this section
Center 7 111 ES25 Center 7 0 IN CONTRACTOR AVAILABLE AVAILABLE CONTRACTOR AVAILABLE CONTRACTOR AVAILABLE CONTRACTOR AVAILABLE CONTRACTOR AVAILABLE CONTRACTOR AVAILABLE CONTRACTOR AVAILABLE	
Command: ATTEDIT	
Select a block with attributes: Ready -1034.2872,161.042	
Plotting the drawing (PDF) using layout	Jump to this section
We received penciled markups from the field, We add this markup weld map data back in using tag editing tool (BOM Balloon Edit in the pulldown)	Jump to this section
Reinserting the modified table	Jump to this section
More about ATTEDIT (type in command bar)	Jump to this section

Description	Bookmark
Heat Numbers to change Data in Pipe BOM and copying Heat numbers to each pipe - (Use the BOM Edit button <i>in the</i> <i>Main Piping Dialog</i> , editing the BOM code field)	Jump to this section
<text></text>	Jump to this section

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Description	Bookmark
Updating PDF Plot	Jump to this section
Review:	Jump to this section
Setting up a new drawing (using saved data) Checking Text size in Paper Space	Jump to this section
Make Modelspace Current - Updating dims (DIM, UPDATE, ALL)	Jump to this section
Using the Reset Button to change the BOM text	Jump to this section
Erase warning explanation	Jump to this section
Input the new balloons and regenerated BOM table	d Jump to this section
Customizing the header (using a custor block - an alternative to using ATTEDIT	m <u>Jump to this section</u>)

Description	Bookmark
Use Layer States Manager to quickly turn to black and were ready to plot (our 6 day piping class explains more on how to use this)	Jump to this section
Ending - Contact us info@cadavenue.com or at 888-271-7121	https://youtu.be/TCpv1wlgfMA? t=23m28s

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