CTW Automation 100 Lexington Parkway Lexington NC 27295 USA



# **CTW Probe software – Import CSV**

With the release of Version 24.2.14.1015, CTW software users can now import a CSV table to generate a target graph. This can help a user create the curve they want and then match it by collecting data of the damper. There is also more import functions for a greater expansion of what has been done before.

### Format for a PVP:

Examples of a PVP Table using US standard units and Metric units. Everything is handled by Probe for conversion of units. IF Probe is set for M/s, you can still use mm/s in your table. It will convert.

\*\* Note: Convention in CTW Probe as well as historical Roehrig Shock6 is for Compression to be positive and Velocity to be negative. This only matters when viewing the Force v Velocity graph.

\*\* You cannot import a CSV that is open. Close file before trying.

					A	В	С
	A	В	С	1	Velocity	Force	
1	Velocity	Force		2	mm/s	N	
-	verocity	. orec		3	254	-6500	
2	in/s	lbs		4	127	-4000	
3	5	-500		5	76.2	-3000	
4	2	-300		6	25.4	-1000	
5	0	0		7	0	10	
6	2	200		8	-25.4	500	
0	-2	500		9	-76.2	1500	
7	-5	400		10	-127	2500	
8				11	-254	4000	
9				12			

#### Format of PVP Table

#### To import a CSV in Probe:

Under File (toolbar) select "import CSV Data...."

TW Pro	be Versior	n: 24.2.14.10	15				
le	Live	Tools	Views	Preferences	Help		Select – Impo
Open I	Data						
mport	Roehrig D	)ata					
Import	CSV Data						
Open <sup>•</sup>	Test						
Exit							
1: C:\U	sers\Micha	aelKadlecik\(	T\RD10-026	6 50mm FORCE SH	OCK #1 15-	10-5 B.dc	
2: C:\U	sers\Micha	aelKadlec\R	D10-026 50m	nm STEEL CLOSED	JP TO 1M-S	Run 2.dc	
3: C:\U	sers\Micha	aelKadlecik\(	DneDrive - CT	W\FORCE SHOCK	+25 PVP O	N CTW.d	
4: C:\U	sers\Micha	aelKadlecik\(	T\Baseline,	10, 25, 40, No CA,	No Spacer.d	lctw	
	ana Minha	alKadlacik\(	TW Automati	ion\Engineering - (			

Import feature – selecting a CSV data file

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## Advanced Import functions

You can also import a larger CSV that contains Displacement so that you can create a Force vs. Displacement graph to use as a target / visual validation.

	А	В	С	
1	Displacement	Velocity	Force	
2	in	in/s	lbs	
3	0.074930617	-4.940033717	94.63472518	
4	0.079859573	-4.92761618	94.63472518	
5	0.0848934	-4.915205942	94.63472518	
6	0.089822356	-4.903096361	94.63472518	
7	0.094751312	-4.892632917	94.63472518	
8	0.099575397	-4.88564126	94.63472518	
9	0.10429461	-4.883280706	94.4879842	
10	0.109223566	-4.885315195	94.4879842	

Example Format – for Full Cycle – Force vs. Displacement