

HyDraw[®] "Power-to-Design" circuits



1	Solenoid Actuation Chart								
2	Edit Solenoid Information								
3	Fetch Pipe/Tube from library								
4	Edit Port Operating Parameters								
5	Update Property List								
6	Display Dual Port Names								



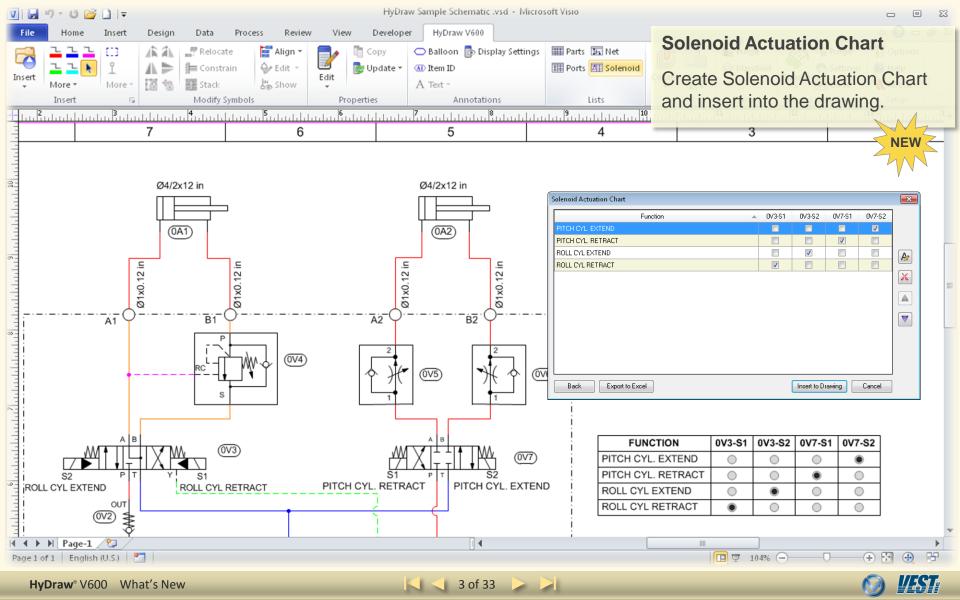
1	Export Parts List - Custom Template
2	Net List - Insert to Drawing
3	Relocate Symbol - Change Reference points
4	External Ports with Through Bolt Holes and O-ring
5	Export to MDTools - Linked CAD data
6	Quick Manifold : Submit Design - Advanced Design Parameters
7	Quick Manifold : Submit Design - Advanced Constraints
8	Symbol Context Menu

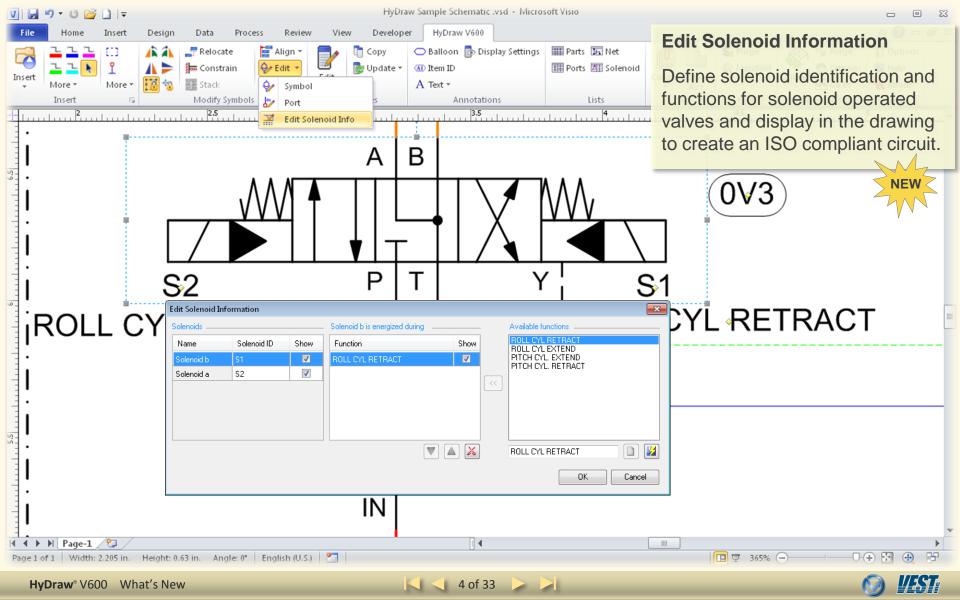
HyDraw Library Manager

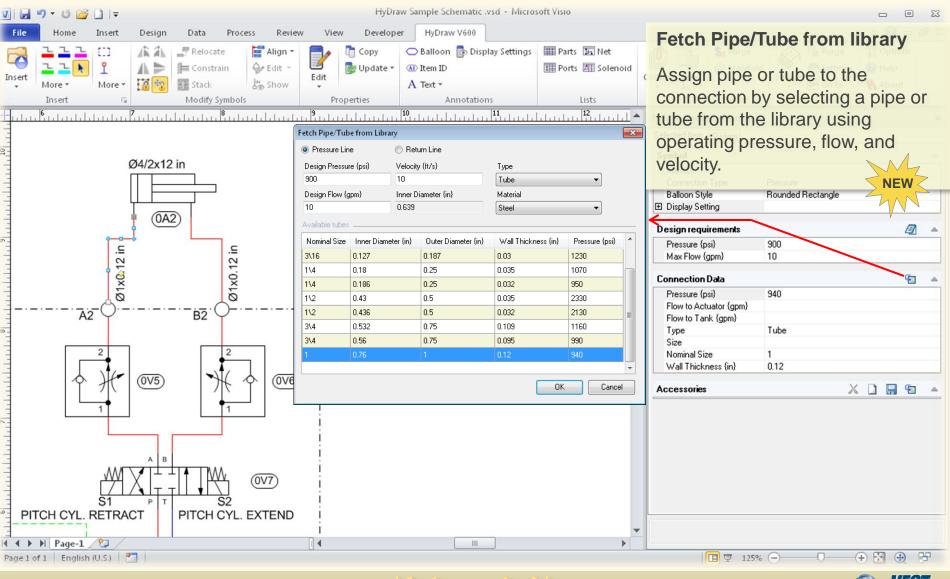
1	Pipe and Tube Library								
	Component Display Formats								
2	Connection Display Formats								
	External Port Display Formats								
3	Component Types - Display Formats								
4	Dual Port Name								
5	Child Symbol Library								
5	Child Symbol Library - Import Symbols								
6	Search for Symbols in Library Manager								
7	Build New Symbol - Building Blocks								

1	Edit Master Symbol - Solenoid Information
2	Edit Master Symbol - Display Format
3	Building Blocks in Edit Symbol
4	Model/Design Properties - Assign to Component Type
5	New Component Type - None



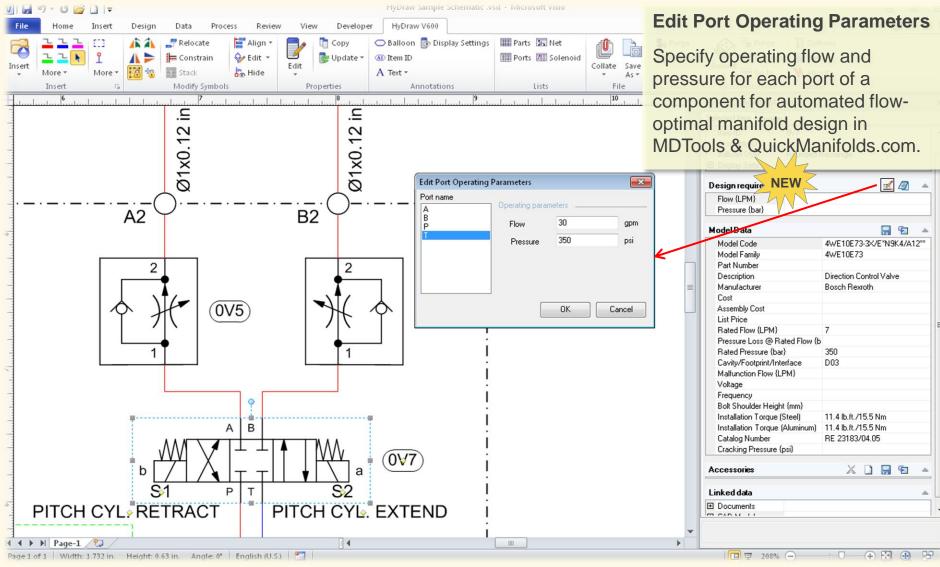






🔍 🔍 5 of 33 🔛 🕨

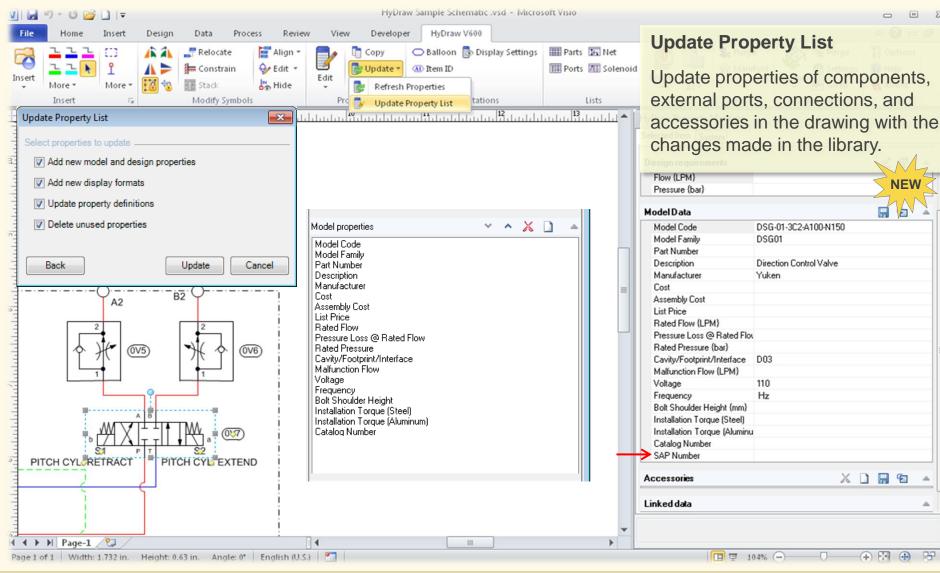
🕥 VEST



HyDraw[®] V600 What's New

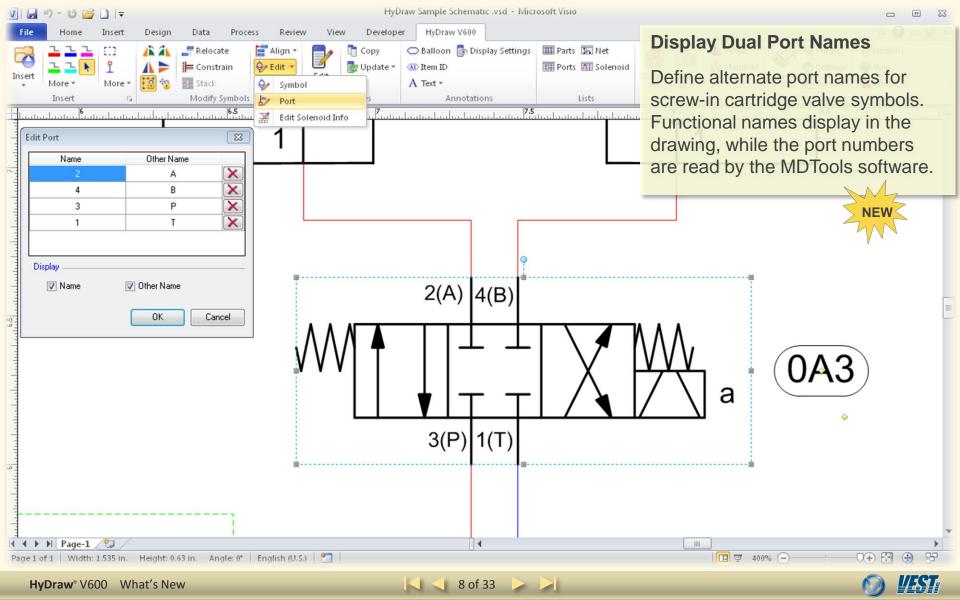
🤍 < 6 of 33 🕨 树

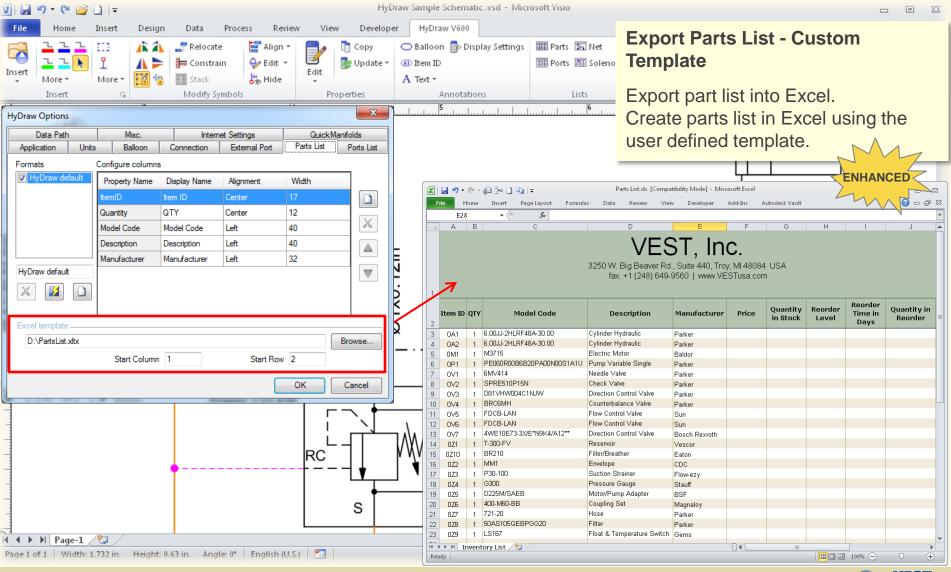




7 of 33

23

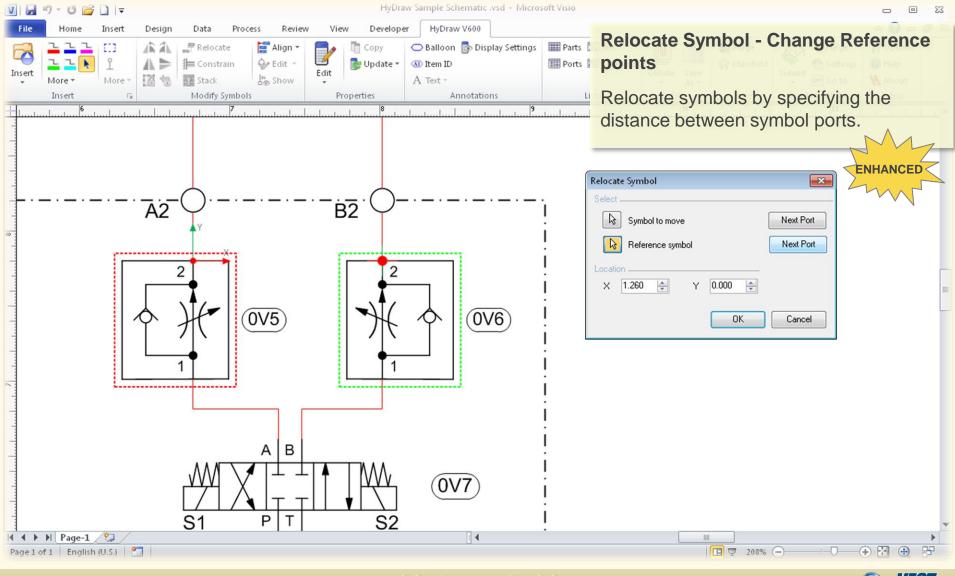




9 of 33

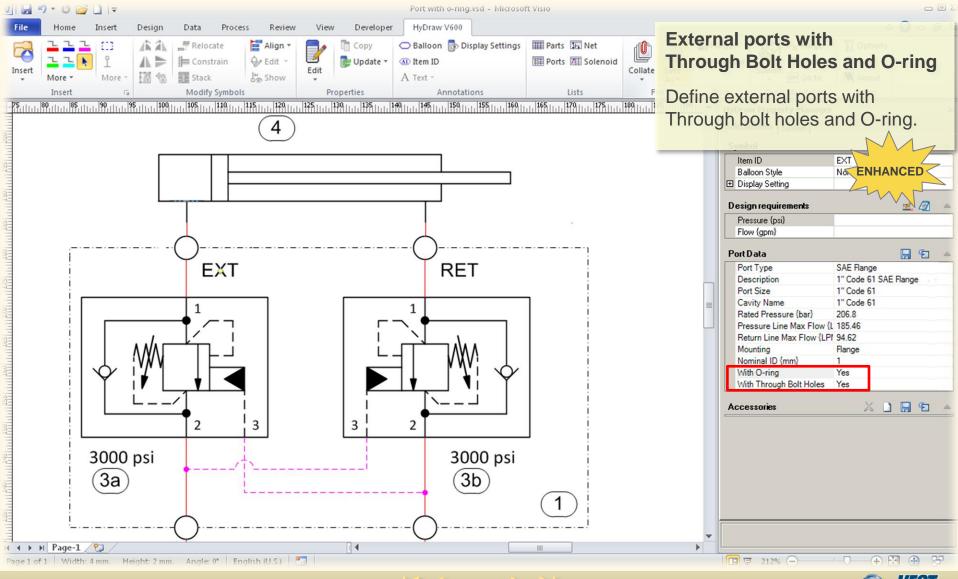


V	り・ じ	🧀 i 🗐			HyD	raw Sample Schema	atic .vsd - Mici	osoft Visio				- 0 X
File	Home	e Insert	-	Data Process Revi	•						Incort to Drowi	
		<u> </u>		Relocate 📑 Align		🗢 Balloon 💿 Di	isplay Settings	III Parts III Net		Net List	- Insert to Drawi	ng
Insert	More •	Nore ▼		Constrain 🕹 Edit - Stack 🖧 Show	Edit	M Item ID A Text ∽		🔠 Ports 🚈 Solenc	oid Collat	Insert ne	t list into the draw	ina
*	Insert	More •		Modify Symbols	Properties	Annotat	ions	Lists		File Price	e QuickManifolds	ing.
	աստետեպե					8		9				/
		Ø1x0.										
		Ø	Create Net L	ist			— ×				· ·	
	B1)	Net Name	Net Items			Status	!		IET NAME	NET ITEMS	° `
***	Р		NET-9	0V2-IN, P, G, 0A3-P			0	<u>!</u>	<u> </u>			
	┌╶╲॑┥		NET-10	0V2-0UT, 0V3-P			0	!		IET-9	0V2-IN, P, G, 0A3-P	
	Ĺ	그까~수	NET-6	0V4-P, B1			0	1	N	IET-10	0V2-OUT, 0V3-P	
RC		ľ₩ Ĭ	NET-7	0V4-S, 0V3-B			0		N	IET-6	0V4-P, B1	
uluul	•		NET-8	0V4-RC, 0V3-A, A1			0	!		IET-7	0V4-S, 0V3-B	-
	S		NET-5	T, 0V3-T, 0A3-T			Ø	!			,	
7			NET-11	DR, 0V3-Y				<u>!</u>	<u> </u>	IET-8	0V4-RC, 0V3-A, A1	4
			NET-3	A2, 0V5-2				!		IET-5	T, 0V3-T, 0A3-T	
TF	RACTIO	N	NET-1	B2, 0V6-2					N	IET-11	DR, 0V3-Y	
	(0V:	3)	NET-2 NET-4	0V6-1, 0A3-8 0V5-1, 0A3-A					Ň	IET-3	A2, 0V5-2	
	b		Recrea				ear Error Flags		N	IET-1	B2, 0V6-2	-
S'	1		Export to 8		Insert to Drawir		Cancel		<u></u>	IET-2	0V6-1, 0A3-B	-
				Excer	Insert to Drawin		Cancer		<u> </u>	IET-4	0V5-1, 0A3-A	
			•	(i	<u> </u>	1 -4		
								i				
I.								i				
				L. L.				i				
	• ▶ Page	e-1 / 🎦 /	((1	4	i]	
			Height: 2.539	in. Angle: 0° English (U.S.) 🔚						7 156% - +	H 🕀 🕂
Н	yDraw [®]	V600 Wł	nat's New			10 0	of 33 >				()	III III IIII



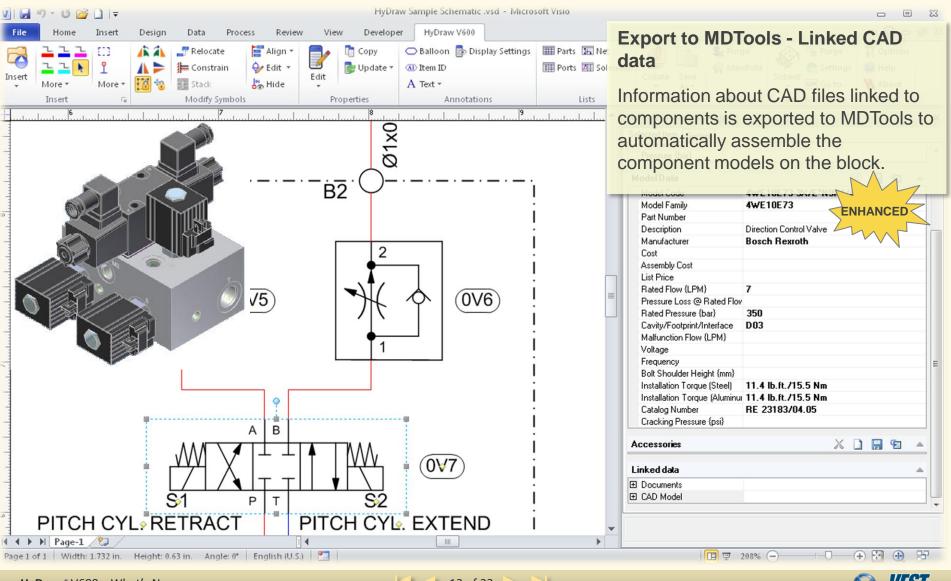
🔰 11 of 33 > >

VEST



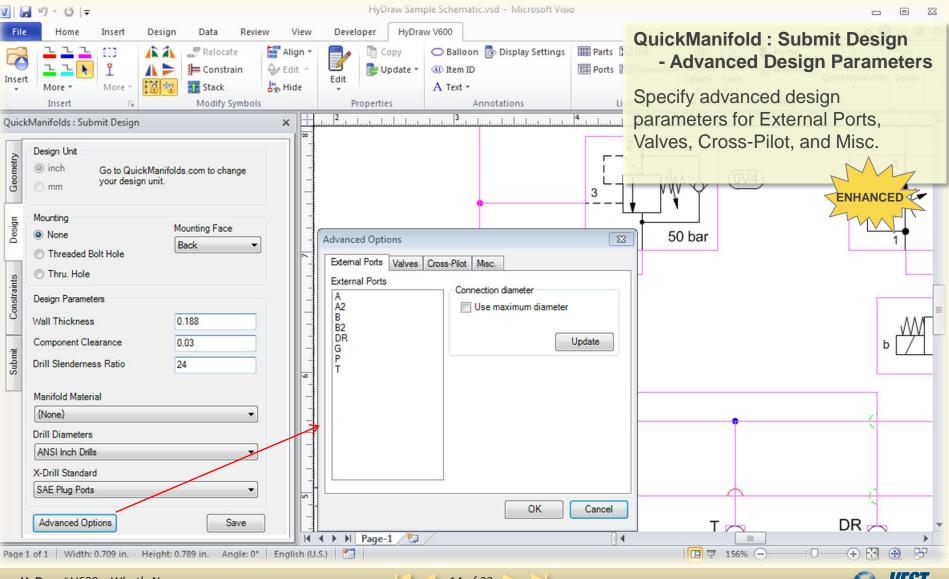
12 of 33 > >

WEST



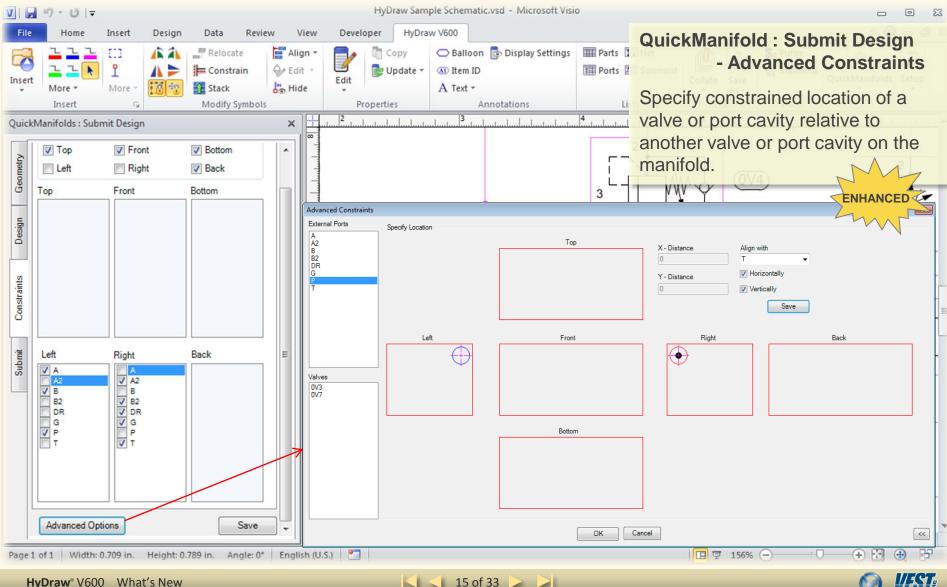
HyDraw® V600 What's New

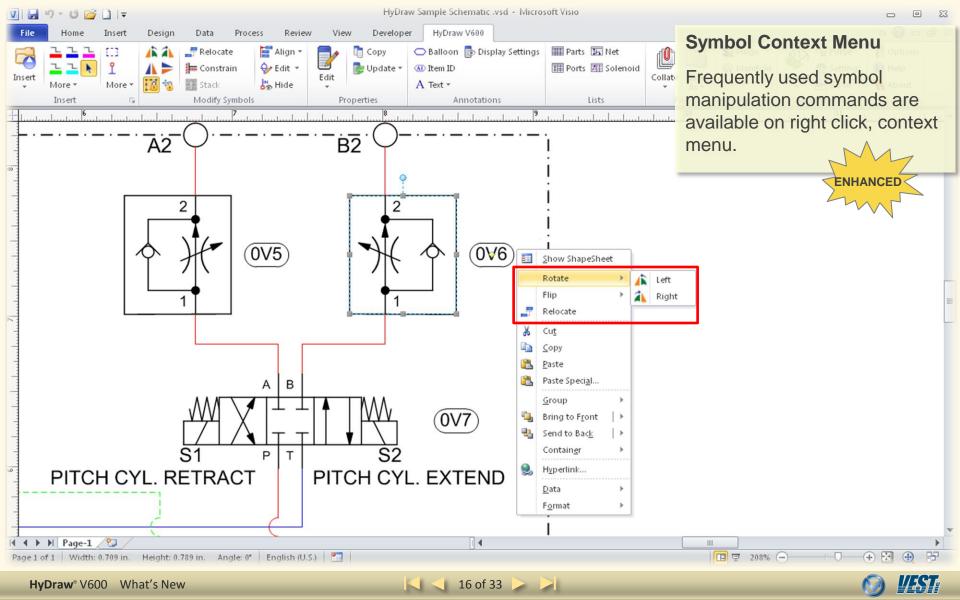
🔍 < 13 of 33 🕨 🔎



📢 🚽 14 of 33 🕨 🔛

I VEST





Library Manager 2012

Library Manager 2012

HyDraw® V600 What's New



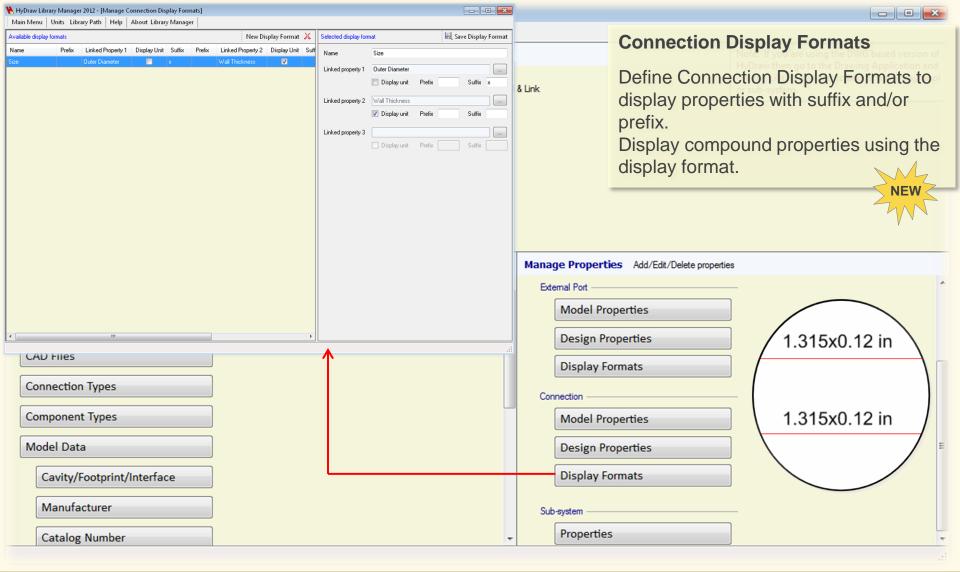


🐐 HyDraw Library Manager 2012										
Exit Units Library Path Help About Library Manager Web Updates - Pipe and Tube Library Path Library										
Manage Libraries Add/Create/Edit/Delete items	s from the following libraries						Note	If you are using the DWG	based version of	
Component Library Select Library -> Edit/Create Symbol -> Link Existing Model/Create New Model & Link Create Pipe and Tube Library Create Pipe and Tube Library										
Accessory Library Edit/Create Accessory -> Link CAD Files / Link Documents										
External Port Library Edit/Create External Port										
Sub-system Library E	Edit/Cre 🔥 HyDraw Library Manager 2012 -	Pipe & Tube Library]								
	Main Menu Units Library Path	Help About Lil	orary Manager							
Pipe & Tube Library	Edit/Cre Search by	Available tubes					🗋 New Tube 👗	Selected tube properties	😹 Save tube 🔻	
Manage Lists Add/Create/Edit/Delete items from	n the foil Type	Material	 Nominal Size 	Inner	Outer Dismoto	Wall Thickness {in}	} Pressure {psi}	Material Stee		
	Tube	- Steel	1\8	0.065	0.125	0.03	1960	Nominal Size 1\4 Outer Diameter {in} 0.25		
Symbols	Material	Steel	1\8	0.069	0.125	0.028	1800	Wall Thickness {in} 0.03		
	Steel	Steel	3\16	0.123	0.187	0.032	1330	Pressure (psi) 950		
Documents	All Materials	Steel	3\16	0.127	0.187	0.03	1230			
CAD Files	Stainless Steel Steel	Steel	1\4	0.18	0.25	0.035	1070			
CAD Files	Steel - Schedule 160 Steel - Schedule 40	Steel	1\4	0.186	0.25	0.032	950			
Connection Types	Steel - Schedule 80	Steel	5\16	0.242	0.312	0.035	840			
		Steel	5\16	0.248	0.312	0.032	760			
Component Types		Steel	1\2	0.43	0.5	0.035	2330			
Madal Data		Steel	1\2	0.436	0.5	0.032	2130			
Model Data		Steel	3\4	0.532	0.75	0.109	1160			
Cavity/Footprint/Interface		Steel	3\4	0.56	0.75	0.095	990			
		Steel	1	0.76	1	0.12	940			
Manufacturer		Steel	1	0.782	1	0.109	850			
Catalog Number									.::	

		er 2012 - [Manage C										×		
Main Menu U	nits Lib	rary Path Help	About Librar	y Manage	er								_	
Available display fo	rmats					New Display Forma	nt 👗	Selected display for	mat	la l	薞 Save Display F	ormat		 Component Display Formats
Name	Prefix	Linked Property 1	Display Unit	Suffix	Prefix	Linked Property 2	Di: ^	Name	Cylinder Size					Note: If you are using the DWG based version of
Beta Ratio		Beta Ratio												HyDraw then go to the Drawing Application and
Cavity/Footprint/I		Cavity/Footprint/I						Linked property 1	Bore					Define Components Display Formats
Compensator Set		Compensator Set							📄 Display unit	Prefix Ø	Suffix		ink	
Compensator Set		Compensator Set						Linked property 2	Rod Diameter					to display properties with suffix
Compensator Set		Compensator Set	V				E	Linked property 2						and/or profix
Compensator Set		Compensator Set							📄 Display unit	Prefix x	Suffix			and/or prefix.
Cracking Pressure		Cracking Pressure	V					Linked property 3	Stroke					Display compound properties using
Cylinder Size	Ø	Bore			×	Rod Diameter			Display unit	Prefix 7	Suffix			
Displacement		Displacement							Display unit	FIGHA 7	Sullix			the display format.
Displacement, Co		Displacement, Co												
Displacement, Mi		Displacement, Mi								Assian	n to Component Ty	oe		NEW
Displacement, Sh		Displacement, Sh												
Flow Setting		Flow Setting												
Micron Rating		Micron Rating												
Nominal Size		Nominal Size												
Pilot Ratio		Pilot Ratio												
Port Size		Port Size											Janage Properti	es Add/Edit/Delete properties
Port Size Ext		Port Size Ext											landgettepere	
Port Size Ret		Port Size Ret											Component	
Port Size, Aux. R		Port Size, Aux. R												
Port Size, Drain		Port Size, Drain											Model Pro	perties
Port Size. Gaude ∢		Port Size, Gauge		1		1	F.							
													Design Pro	operties
CADE	1							٨				E	besignin	
CAD F	lles							1					Display Fo	Ø4x2/12 in
													Display PC	
Conne	ction	Types												
													External Port —	
Comp	nont	Types												
Comp	Jient	types											Model Pro	perties
Mode	Data	3											Design Pro	operties (0A1)
Car	/itv/F	ootprint/In	terface										Display Fo	ormats
Cu													- spidy re	
Ma	nutad	cturer											Connection —	
													Model Pro	portios
Cat	alog	Number										-	woder Pro	per ues

19 of 33 🕨 🔛





20 of 33



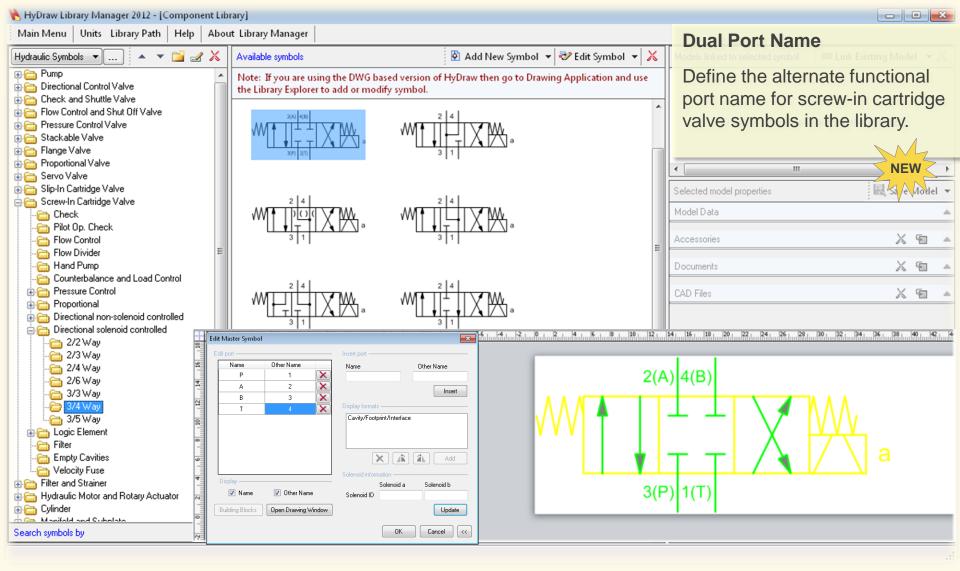
HyDraw Library Manager 2012 - [Manage External Port Display Formats] Main Menu Units Library Path Help About Library Manager				•	
Available display formats New Display Format 👗	Selected display for	mat	🔣 Save Display Format	1	External Dart Diaplay Formate
Name Prefix Linked Property 1 Display Unit Sulfix Prefix Linked Property 2 Display Unit Su	Name	Size			External Port Display Formats
Size Port Size 🔳	Linked property 1	Port Size			Befine Estern Prevent District Application and
		Display unit Prefi	ix Suffix	al & Link	Define External Port Display Formats
	Linked property 2				to display properties with suffix and/or
		Display unit Prefi	ix Suffix		prefix.
	Linked property 3		ix Suffix		
		Display unit Prefi	IX SUITIX		Display compound properties using
					the display format.
					NEW <
					200
					V Y
				Manage Propertie	es Add/Edit/Delete properties
				Component	
				Model Pro	perties
۲				Design Pro	
CAD Files	٨			Design Pro	spernes
CAD Files				Display Fo	rmats
Connection Types					G 1 1/2 -11
				External Port	
Component Types				Model Pro	perties A1 V
Model Data					
Nodel Data				Design Pro	operties
Cavity/Footprint/Interface				Display Fo	rmats
Manufacturer				Connection	
				Model Pro	perties
Catalog Number				T	

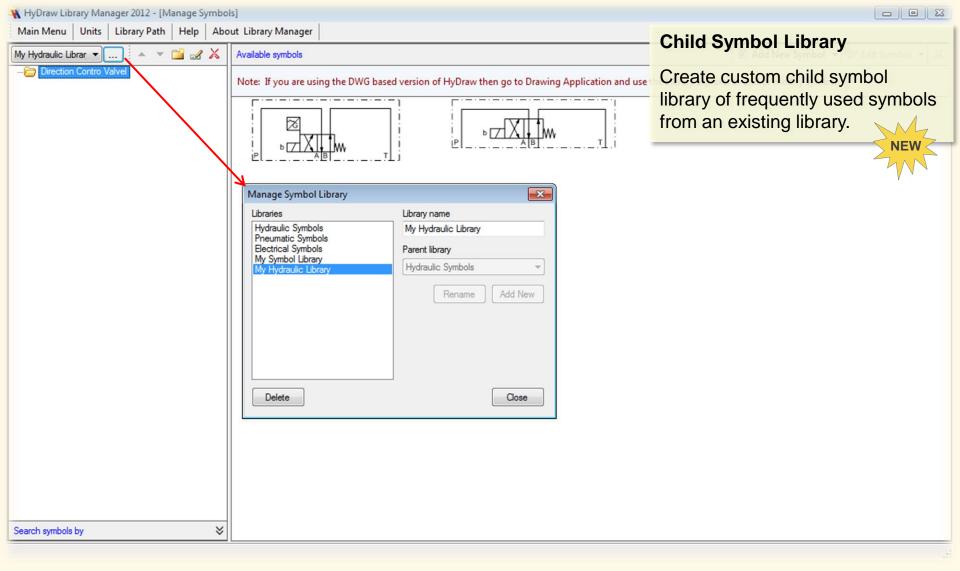
21 of 33 🕨 刘



🔥 HyDraw Library Manager 2012 - [/	/lanage Component Types]		
Main Menu Units Library Path	Help About Library Manager		Component Type - Display
Search by		🗋 New Component Type 👗	Formats
Application Hydraulic	Pressure Reducing Valve - Sol. Operated - Screw-in Cartridge Pressure Reducing Valve - Sol. Operated - Stack Module Pressure Reducing Valve - Sol. Operated - Surface Mounted	•	Define formatted labels to be
Name	Pressure Reducing Valve - Stack Module Pressure Reducing Valve - Surface Mounted Pressure Switch		displayed in the drawing for a
	Pump Fixed Double Pump Fixed Single Pump Fixed Triple Pump Variable Double		component type.
	Pump Variable Double Pump Variable Single Pump Variable Triple Relief Valve - Flange Mounted Relief Valve - Line Mounted		Pressure NEW
	Relief Valve - Proportional - Flange Mounted Relief Valve - Proportional - Line Mounted		Model properties · · · 🗶 🗋 🔺
	Relief Valve - Proportional - Stack Module Relief Valve - Proportional - Stack Module Relief Valve - Screw-in Cattridge Relief Valve - Screw-in Cattridge Relief Valve - Sol. Operated - Flange Mounted Relief Valve - Sol. Operated - Flange Mounted Relief Valve - Sol. Operated - Line Mounted Relief Valve - Sol. Operated - Stack Module Relief Valve - Stack Module Reservoir Sectional Valve - Working Section - Hydraulic Pilot Operated Sectional Valve - Working Section - Nanual Operated Sect	H	Model Code Model Family Pat Number Description Manufacturer Cost Assembly Cost List Price Rated Flow Pressure Loss @ Rated Flow Rated Pressure Type Cavity/Footprint/Interface Pressure Max Pressure Max Pressure Max Pressure Setting Vent Spring Pressure Installation Torque (Aluminum) Installation Torque (Steel) Voltage Frequency Response
	Sequence Valve - Stack Module Sequence Valve - Surface Mounted Servo Valve		Display formats X 🗋 🔺 Cavity/Footprint/Interface Pressure Setting
	Shut off and Ball Valve - Line Mounted Shut off and Ball Valve - Surface Mounted Shuttle Valve - Line Mounted	+	
	N		

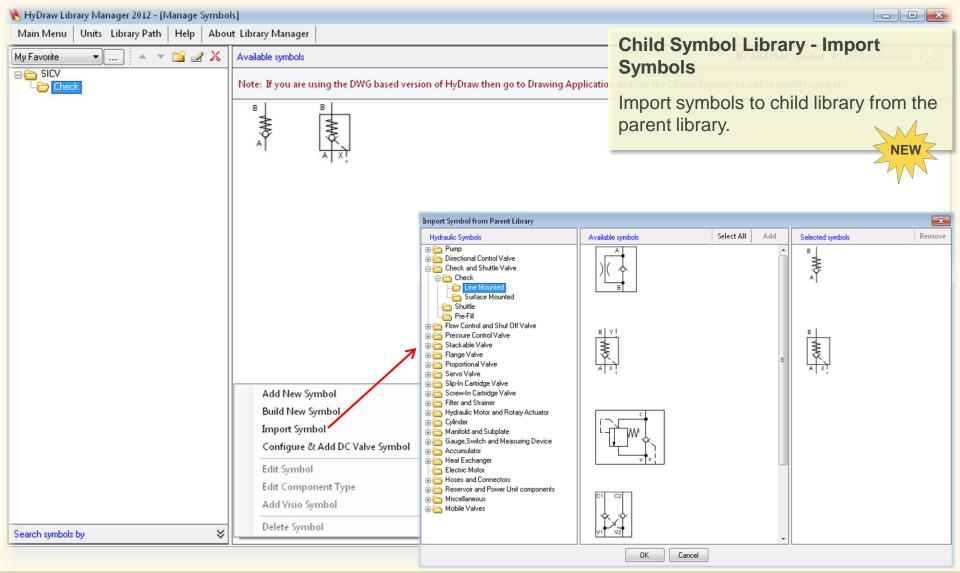






🔍 <1 24 of 33 🕨 🔎

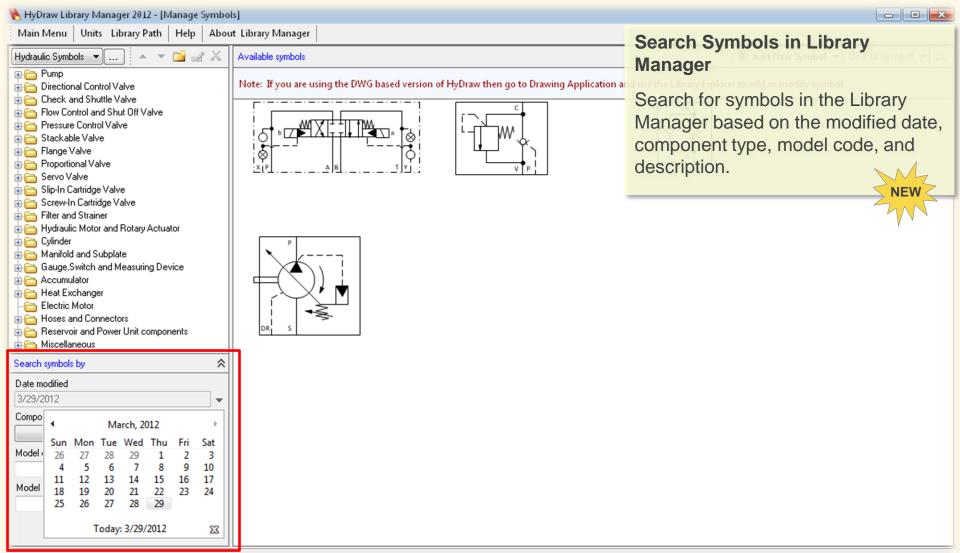




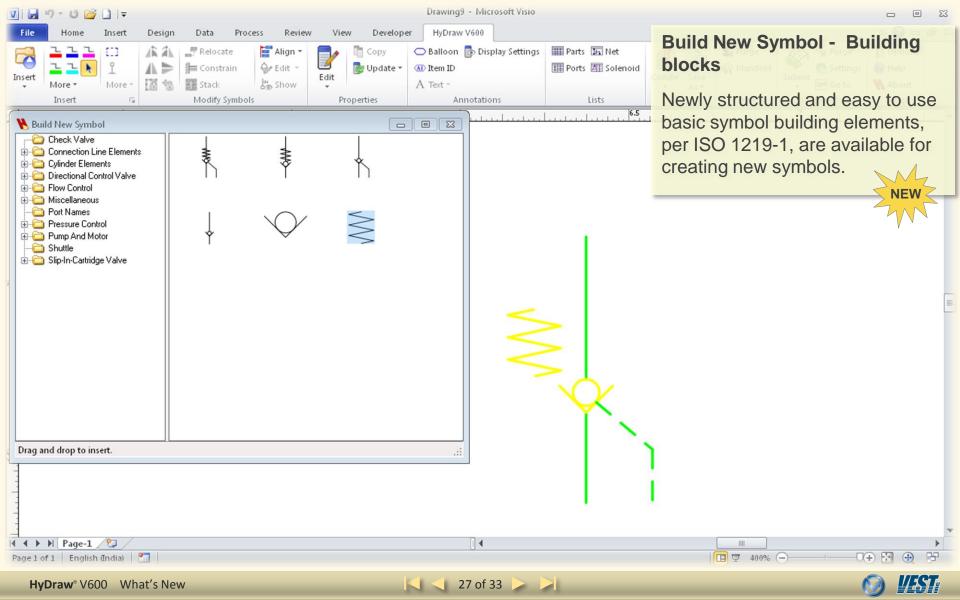
25 of 33

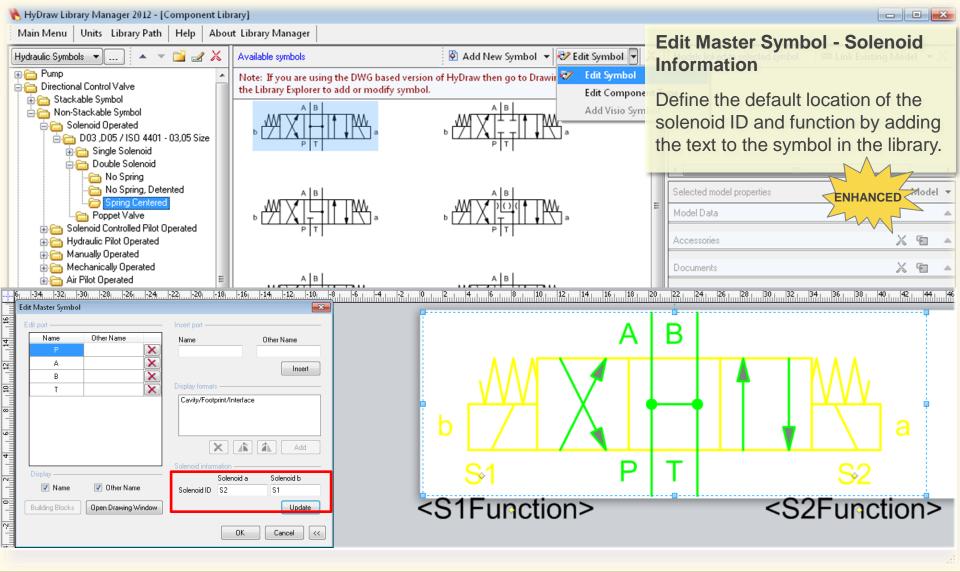
HyDraw[®] V600 What's New

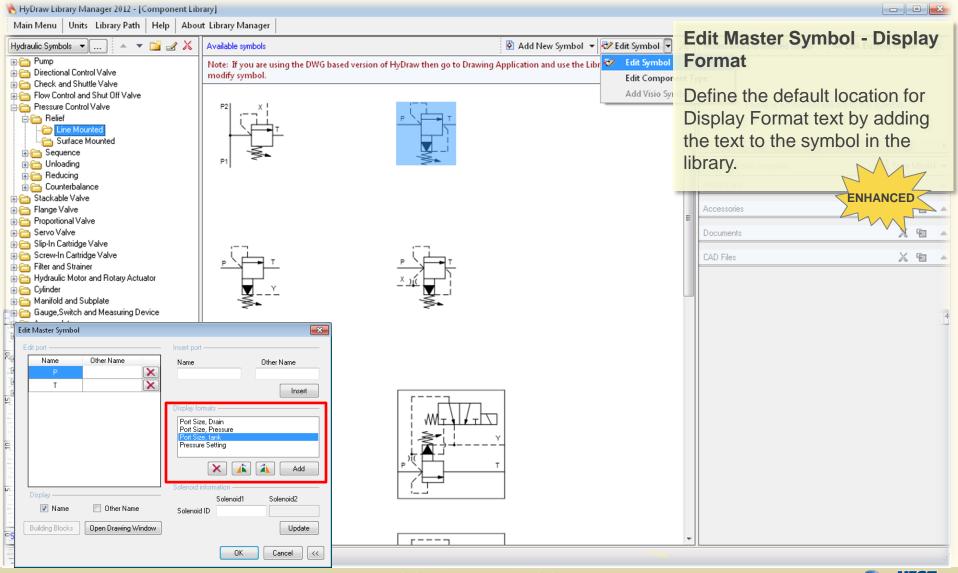
VEST



WEST

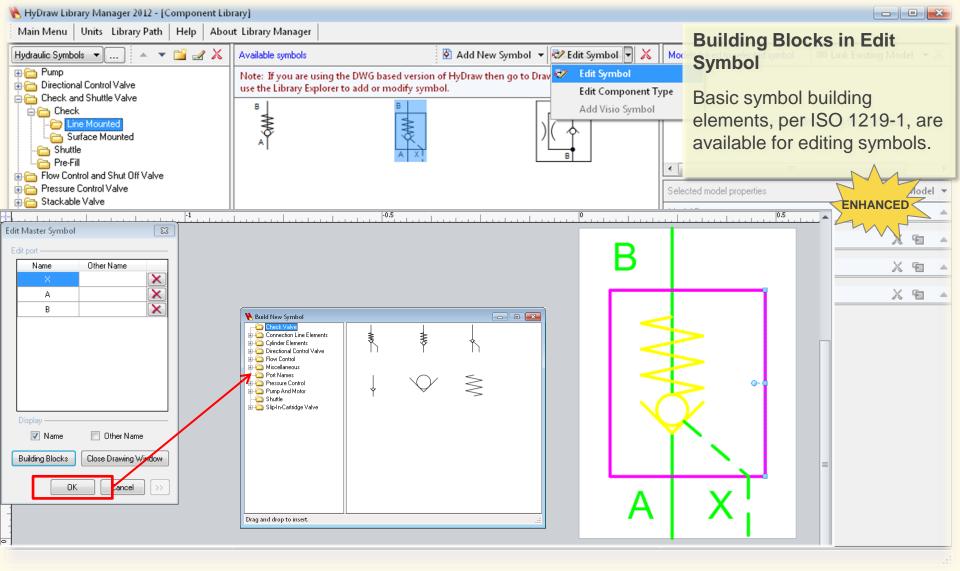


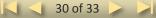




🛛 <1 29 of 33 🕨 🔛



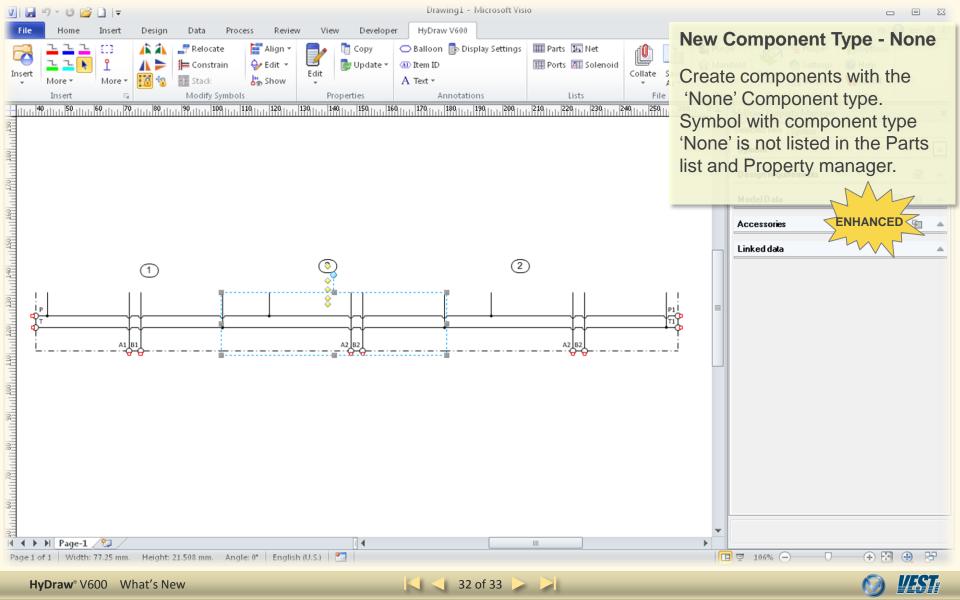






🚷 HyDraw Library Manager 2012 - [Manage Comp	oonent Model P	roperties]			
Main Menu Units Library Path Help Ab	out Library Mar	nager			Model/Design Properties
Model properties					– Assign to Component Type
Name	Data Type	Unit Category	Unit	Display in Drawing	Name SAP Number
SAP Number	Number	Unitless			Easily assign selected property to
Seal Type	Text				multiple component types.
Assign Property to Component Type	Microsoft and	l en ette			
Application Hydraulic Component types Accumulator Accumulator Bladder Kit Accumulator Charging Kit Accumulator Discharge Valve - Line Mounted Accumulator Discharge Valve - Screw-in Cattridge Adaptor Plates Air Bleed Valve - Line Mounted Air Bleed Valve - Screw-in Cattridge Amplifier Card and Holder Bolt Kit Bulb Well Cavity Plug Check Valve - Flange Mounted Check Valve - Screw-in Cattridge Check Valve - Stack Module Check Valve - Stack Module Check Valve - Surface Mounted Coil & Electronics Connector Counterbalance Valve - Stack Module Counterbalance Valve - Stack		Cancel	_	nily n xrer	E Line Component Type

VEST



Enhance your productivity and competitive edge with HyDraw®

FREE HyDraw[®] V600 Evaluation Software

> Call: +01 (248) 649 9550 Email: <u>sales@VESTusa.com</u> <u>support@VESTusa.com</u> Visit: <u>www.VESTusa.com</u>



