



Interface & Toolkit Orientation—VectorWorks 8.5 to VectorWorks 9

Introduction

VectorWorks 9 makes extensive use of the Object Browser, first introduced in VectorWorks 8.5, as a means to deploy objects and symbols from a single, easy-to-browse source that delivers literally thousands of objects at your fingertips. The Object Browser also allows pre-sizing and pre-styling of objects for greater user convenience, as well as an icon-sized preview.

Many plug-in objects that were available in tool palettes in VectorWorks 8.0 and 8.5 are now delivered in the more convenient Object Browser library form. Please refer to your User Manual, page 11–43 for more information on using the Object Browser.

Toolkit Libraries

The following library files incorporate content found in the former Toolkit libraries along with new objects and symbols. They are installed automatically as part of the VectorWorks installation process and show up in the File List popup at the top of the Object Browser:

Drafting Tools.MCD	Automatically loaded in Object Browser
EE Engineering.MCD	Automatically loaded in Object Browser
EE Logic.MCD	Automatically loaded in Object Browser
EE PC Board.MCD	Automatically loaded in Object Browser
HVAC 1 Line.MCD	Automatically loaded in Object Browser
Map Symbols.MCD	Automatically loaded in Object Browser
Office Cubicle Furniture.MCD	Automatically loaded in Object Browser
Office Equipment.MCD	Automatically loaded in Object Browser
Office Furniture.MCD	Automatically loaded in Object Browser
Process Engineering.MCD	Automatically loaded in Object Browser
Residential Furniture.MCD	Automatically loaded in Object Browser
Site Planning.MCD	Automatically loaded in Object Browser
Structural Shapes.MCD	Automatically loaded in Object Browser
VW ARCHITECT Sampler.MCD	Automatically loaded in Object Browser
VW ENGINEER Sampler.MCD	Automatically loaded in Object Browser

8.x Plug-in Objects

The following plugin objects, which were delivered in tool palettes in VectorWorks 8.x, are now being delivered to the user via libraries in the Object Browser:

Base Cabinet.VSO	delivered in VA Sampler lib
Campanile.VSO	delivered in VA Sampler lib
Circular Stair.VSO	delivered in VA Sampler lib
Column.VSO	delivered in VA Sampler lib
Desk.VSO	delivered in Office Furniture lib

Ramp.VSO	delivered in VA Sampler lib
Shelving Unit.VSO	delivered in Office Furniture lib
Stair.VSO	delivered in VA Sampler lib
Table.VSO	delivered in VA Sampler and Office Furniture libs
Table and Chairs.VSO	delivered in VA Sampler lib
Utility Cabinet.VSO	delivered in VA Sampler lib
Wall Cabinet.VSO	delivered in VA Sampler lib
Workstation Counter.VSO	delivered in Office Cubicle Furniture lib
Workstation Overhead.VSO	delivered in Office Cubicle Furniture lib
Workstation Panel.VSO	delivered in Office Cubicle Furniture lib
Workstation Pedestal.VSO	delivered in Office Cubicle Furniture lib

New VectorWorks 9 Plug-in Objects

The following plugin objects are new in VectorWorks 9 and are being delivered to the user via libraries in the Object Browser:

Grid-Rectangular.VSO	delivered in Drafting Tools lib
Grid-Polar.VSO	delivered in Drafting Tools lib
Angle (Inch).VSO	delivered in Structural Shapes lib
Angle (Metric).VSO	delivered in Structural Shapes lib
Channel (Inch).VSO	delivered in Structural Shapes lib
Channel (Metric).VSO	delivered in Structural Shapes lib
I-Beam (Inch).VSO	delivered in Structural Shapes lib
I-Beam (Metric).VSO	delivered in Structural Shapes lib
Rectangular Tubing (Inch).VSO	delivered in Structural Shapes lib
Rectangular Tubing (Metric).VSO	delivered in Structural Shapes lib
Round Tubing (Inch).VSO	delivered in Structural Shapes lib
Round Tubing (Metric).VSO	delivered in Structural Shapes lib
Square Tubing (Inch).VSO	delivered in Structural Shapes lib
Square Tubing (Metric).VSO	delivered in Structural Shapes lib
Tee (Inch).VSO	delivered in Structural Shapes lib
Tee (Metric).VSO	delivered in Structural Shapes lib
Wide Flange (Inch).VSO	delivered in Structural Shapes lib
Wide Flange (Metric).VSO	delivered in Structural Shapes lib
Break Line.VSO	delivered in Drafting Tools lib
Drawing Border.VSO	delivered in Drafting Tools lib
Complex Window 2.VSO	delivered in VA Sampler lib
Room Name Simple.VSO	delivered in Drafting Tools lib
Dwg Label Simple.VSO	delivered in Drafting Tools lib
Scale Bar.VSO	delivered in Drafting Tools lib
Simple Door 2.VSO	delivered in VA Sampler lib
Simple Window 2.VSO	delivered in VA Sampler lib
Data Stamp.VSO	delivered in Drafting Tools lib
Ball Bearing.VSO	delivered in VM Sampler lib

Cap Screw(Inch).VSO	delivered in VM Sampler lib
Cap Screw(Metric).VSO	delivered in VM Sampler lib
Compression Spring.VSO	delivered in VM Sampler lib
Extension Spring.VSO	delivered in VM Sampler lib
Hex Bolt(Inch).VSO	delivered in VM Sampler lib
Hex Bolt(Metric).VSO	delivered in VM Sampler lib
Plain Washer(Inch).VSO	delivered in VM Sampler lib
Plain Washer(Metric).VSO	delivered in VM Sampler lib
Lock Washer(Inch).VSO	delivered in VM Sampler lib
Lock Washer(Metric).VSO	delivered in VM Sampler lib
Machine Screw(Inch).VSO	delivered in VM Sampler lib
Machine Screw(Metric).VSO	delivered in VM Sampler lib
Nut(Inch).VSO	delivered in VM Sampler lib
Nut(Metric).VSO	delivered in VM Sampler lib
Spur Gear.VSO	delivered in VM Sampler lib
Slot.VSO	delivered in Drafting Tools lib
Parking Space.VSO	delivered in VA Sampler lib
Batt Insulation.VSO	delivered in VA Sampler lib
Reference Marker.VSO	delivered in Drafting Tools lib
French Door 2.VSO	delivered in VA Sampler lib
Overhead Door 2.VSO	delivered in VA Sampler lib
Sliding Glass Door 2.VSO	delivered in VA Sampler lib
Roller Bearing.VSO	delivered in VM Sampler lib
Shaft Break.VSO	delivered in Drafting Tools lib

Replaced Plug-ins

The following plugins and support files have been replaced with new technology in VectorWorks 9:

Nudge	Replaced by Internal keyboard command
Extend Tool	Replaced by Internal Combine tool
Engineering Properties	Replaced by Engineering Properties...
Grid Creator	Replaced by Grid-Rectangular
GSBaseCabinetRegen	Replaced by Base Cabinet
GSUtilCabinetRegen	Replaced by Utility Cabinet
GSWallCabinetRegen	Replaced by Wall Cabinet
Structural Shapes	Replaced by Angle (Inch)
Structural Shapes	Replaced by Channel (Inch)
Structural Shapes	Replaced by I-Beam (Inch)
Structural Shapes	Replaced by Rectangular Tubing (Inch)
Structural Shapes	Replaced by Round Tubing (Inch)
Structural Shapes	Replaced by Square Tubing (Inch)
Structural Shapes	Replaced by Tee (Inch)
Structural Shapes	Replaced by Wide Flange (Inch)

Parking Space Tool	Replaced by Parking Space
RevisionCloudTool	Replaced by Revision Cloud
Break Line....VSM	Replaced by Break Line
Date Stamp....VSM	Replaced by Data Stamp
Drawing Border....VSM	Replaced by Drawing Border
File Name Stamp....VSM	Replaced by Data Stamp
Slots....VSM	Replaced by Slot
Spiral....VSM	Replaced by Spiral
Batt Insulation Tool.VST	Replaced by Batt Insulation
Complex Window.VSO	Replaced by Complex Window 2
Detail Marker....VSM	Replaced by Reference Marker
Elevation Marker....VSM	Replaced by Reference Marker
French Door.VSO	Replaced by French Door 2
Overhead Door.VSO	Replaced by Overhead Door 2
Reference Marker....VSM	Replaced by Dwg Label Simple
Room ID Tool.VST	Replaced by Room Name Simple
Section Marker....VSM	Replaced by Reference Marker
Set Wall Style....VSM	Replaced by Select Wall Type...
Simple Door.VSO	Replaced by Simple Door 2
Simple Window.VSO	Replaced by Simple Window 2
Sliding Glass Door.VSO	Replaced by Sliding Glass Door 2
Wall Opening.VSO	Replaced by Simple Window 2
Wall Style 1 Tool.VST	Replaced by Select Wall Type...
Wall Style 10 Tool.VST	Replaced by Select Wall Type...
Wall Style 2 Tool.VST	Replaced by Select Wall Type...
Wall Style 3 Tool.VST	Replaced by Select Wall Type...
Wall Style 4 Tool.VST	Replaced by Select Wall Type...
Wall Style 5 Tool.VST	Replaced by Select Wall Type...
Wall Style 6 Tool.VST	Replaced by Select Wall Type...
Wall Style 7 Tool.VST	Replaced by Select Wall Type...
Wall Style 8 Tool.VST	Replaced by Select Wall Type...
Wall Style 9 Tool.VST	Replaced by Select Wall Type...
Wall Style R1 Tool.VST	Replaced by Select Wall Type...
Wall Style R2 Tool.VST	Replaced by Select Wall Type...
Wall Style R3 Tool.VST	Replaced by Select Wall Type...
Wall Style R4 Tool.VST	Replaced by Select Wall Type...
Wall Style R5 Tool.VST	Replaced by Select Wall Type...
Ball Bearing....VSM	Replaced by Ball Bearing
Cap Screws....VSM	Replaced by Cap Screw(inch) / Cap Screw(Metric)
Compression Spring....VSM	Replaced by Compression Spring
Extension Spring....VSM	Replaced by Extension Spring
Hex & Square Bolts....VSM	Replaced by Hex Bolt(inch) / Hex Bolt(Metric)
Hex Nuts - Inch....VSM	Replaced by Nut(inch)

Hex Nuts - Metric...VSM	Replaced by Nut(Metric)
Machine Screws...VSM	Replaced by Machine Screw(inch) / Machine Screw(Metric)
Roller Bearing...VSM	Replaced by Roller Bearing
Shaft Break...VSM	Replaced by Shaft Break
Spur Gears...VSM	Replaced by Spur Gear (2D)
Structural Tubing...VSM	Replaced by objects in Structural Shapes.mcd
Washers...VSM	Replaced by Plain Washer(inch) / Plain Washer(metric) / Lock Washer(inch) / Lock Washer(metric)
Hatches_AEC.MCD	Replaced by Hatches
00_Graphic Elements.MCD	Replaced by Drafting Tools.mcd
02_Site Work.MCD	Replaced by Site Planning.mcd / Map Symbols.mcd
08_Doors & Windows.MCD	Replaced by VW ARCHITECT Sampler.mcd
10_Specialties.MCD	Replaced by VW ARCHITECT Sampler.mcd
11_Equipment.MCD	Replaced by Office Equipment.mcd
12_Furnishings.MCD	Replaced by Office Cubicle Furniture.mcd / Office Furniture.mcd / Residential Furniture.mcd
15_Mechanical.MCD	Replaced by HVAC 1 Line.mcd
16_Electrical.MCD	Replaced by VW ARCHITECT Sampler.mcd
Hatches_Civil Eng.MCD	Replaced by Hatches
Symbols_EE.MCD	Replaced by EE Engineering.mcd / EE Logic.mcd / EE PC Board.mcd
Hatches_MechEng.MCD	Replaced by Hatches
Symbols_Piping.MCD	Replaced by Process Engineering.mcd
Hatches_DTM.MCD	Replaced by Hatches
Symbols_DTM.MCD	Replaced by Map Symbols.mcd
Symbols_HVAC.MCD	Replaced by HVAC 1 Line.mcd
Hatches_Landscape.MCD	Replaced by Hatches
Symbols_Landscape.MCD	Replaced by Site Planning.mcd

Relocated Support Files

The following support files have been moved to new locations in VectorWorks 9:

NW House.MCD	Found at /Resources/Samples/NW House.MCD
Geom D&T Sample.MCD	Found at /Resources/Samples/Geom D&T Sample.MCD
Arm.MCD	Found at /Resources/Samples/Butterfly Valve/Arm.MCD
Assembly.MCD	Found at /Resources/Samples/Butterfly Valve/Assembly.MCD
Body.MCD	Found at /Resources/Samples/Butterfly Valve/Body.MCD
Bushings.MCD	Found at /Resources/Samples/Butterfly Valve/Bushings.MCD

Cover Plate.MCD	Found at /Resources/Samples/Butterfly Valve/Cover Plate.MCD
Gasket.MCD	Found at /Resources/Samples/Butterfly Valve/Gasket.MCD
Shaft.MCD	Found at /Resources/Samples/Butterfly Valve/Shaft.MCD
Throttle Plate.MCD	Found at /Resources/Samples/Butterfly Valve/Throttle Plate.MCD
Mfg Example (Pan Layout).MCD	Found at /Resources/Samples/Mfg Example/Pan Drawing Object.MCD
Mfg Example (Pan).STA	Found at /Resources/Samples/Mfg Example/Pan Drawing Object.VSO
Collar.MCD	Found at /Resources/Samples/Collar.MCD
3D Model.MCD	Found at /Resources/Samples/Butterfly Valve/3D Model.MCD
PCB Assembly.MCD	Found at /Resources/Samples/PCB Assembly.MCD
Box.MCD	Found at /Resources/Samples/Goodies/Box.MCD
Rotating Cam.MCD	Found at /Resources/Samples/Goodies/Rotating Cam.MCD
Rotating Gears.MCD	Found at /Resources/Samples/Goodies/Rotating Gears.MCD
Box Object.VSO	Found at /Resources/Samples/3D Primitive Objects/Box Object.VSO
Cone Object.VSO	Found at /Resources/Samples/3D Primitive Objects/Cone Object.VSO
Cylinder Object.VSO	Found at /Resources/Samples/3D Primitive Objects/Cylinder Object.VSO
Ellipsoid Object.VSO	Found at /Resources/Samples/3D Primitive Objects/Ellipsoid Object.VSO
Parabaloid Object.VSO	Found at /Resources/Samples/3D Primitive Objects/Parabaloid Object.VSO
Pyramid Object.VSO	Found at /Resources/Samples/3D Primitive Objects/Pyramid Object.VSO
Sphere Object.VSO	Found at /Resources/Samples/3D Primitive Objects/Sphere Object.VSO
Torus Object.VSO	Found at /Resources/Samples/3D Primitive Objects/Torus Object.VSO

Compatibility Items

The following plug-ins and support files are provided for compatibility with VectorWorks 8.5 only:

Block 10in.VST	Found at Installer CD/8.5 Compatibility/Plug-ins/Block 10in.VST
Create Record....VSM	Found at Installer CD/8.5 Compatibility/Plug-ins/Create Record....VSM
Create Schedule....VSM	Found at Installer CD/8.5 Compatibility/Plug-ins/Create Schedule....VSM
Diffuser.VSO	Found at Installer CD/8.5 Compatibility/Plug-ins/Diffuser.VSO

Draw Matrix....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Draw Matrix....VSM
Draw Spaces....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Draw Spaces....VSM
Edit ID Tool.VST	Found at Installer CD/8.5 Compatibility/Plugins/Edit ID Tool.VST
Elbow-Rectangular.VSO	Found at Installer CD/8.5 Compatibility/Plugins/Elbow-Rectangular.VSO
Elbow-Rect_Round.VSO	Found at Installer CD/8.5 Compatibility/Plugins/Elbow-Rect_Round.VSO
Elbow-Round.VSO	Found at Installer CD/8.5 Compatibility/Plugins/Elbow-Round.VSO
Elbow-Round_Rect.VSO	Found at Installer CD/8.5 Compatibility/Plugins/Elbow-Round_Rect.VSO
Flex Duct - Type 1.VSO	Found at Installer CD/8.5 Compatibility/Plugins/Flex Duct - Type 1.VSO
Flex Duct - Type 2.VSO	Found at Installer CD/8.5 Compatibility/Plugins/Flex Duct - Type 2.VSO
Footing 20in.VST	Found at Installer CD/8.5 Compatibility/Plugins/Footing 20in.VST
ID_Tool.VST	Found at Installer CD/8.5 Compatibility/Plugins/ID_Tool.VST
Level Marker....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Level Marker....VSM
Offset Duct.VSO	Found at Installer CD/8.5 Compatibility/Plugins/Offset Duct.VSO
Partition Marker....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Partition Marker....VSM
Revision Marker....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Revision Marker....VSM
Straight Duct.VSO	Found at Installer CD/8.5 Compatibility/Plugins/Straight Duct.VSO
Stud 2x4 Wood.VST	Found at Installer CD/8.5 Compatibility/Plugins/Stud 2x4 Wood.VST
Stud 2x6 Wood.VST	Found at Installer CD/8.5 Compatibility/Plugins/Stud 2x6 Wood.VST
Transition-Rect.VSO	Found at Installer CD/8.5 Compatibility/Plugins/Transition-Rect.VSO
Transition-RectRound.VSO	Found at Installer CD/8.5 Compatibility/Plugins/Transition-RectRound.VSO
Wye-Rectangular.VSO	Found at Installer CD/8.5 Compatibility/Plugins/Wye-Rectangular.VSO
Wye-Rect_Round.VSO	Found at Installer CD/8.5 Compatibility/Plugins/Wye-Rect_Round.VSO
Wye-Round.VSO	Found at Installer CD/8.5 Compatibility/Plugins/Wye-Round.VSO
Acorn Nuts....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Acorn Nuts....VSM
Add Detail Bubble....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Add Detail Bubble....VSM

Change Bubble Info....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Change Bubble Info....VSM
Clevis Pins....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Clevis Pins....VSM
Conical Compr Spring....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Conical Compr Spring....VSM
Create Detail Bubble....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Create Detail Bubble....VSM
Datum Feature....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Datum Feature....VSM
Datum Target Symbol....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Datum Target Symbol....VSM
Die Spring....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Die Spring....VSM
Dowel Pins....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Dowel Pins....VSM
Feature Control Frame....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Feature Control Frame....VSM
Holes....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Holes....VSM
Keyways....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Keyways....VSM
Retaining Rings....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Retaining Rings....VSM
Rivets....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Rivets....VSM
Set Screws....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Set Screws....VSM
Shoulder Screws....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Shoulder Screws....VSM
Taper Pins....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Taper Pins....VSM
Tapered Roller Bearing....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Tapered Roller Bearing....VSM
Thrust Bearing....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Thrust Bearing....VSM
Thumb Screws....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Thumb Screws....VSM
Torsion Spring....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Torsion Spring....VSM
Wing Nuts....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Wing Nuts....VSM
Cutting Plane....VSM	Found at Installer CD/8.5 Compatibility/Plugins/Cutting Plane....VSM
Symbols _Welding.MCD	Found at Installer CD/8.5 Compatibility/Symbols/Symbols _Welding.MCD
Symbols_GeomD&T.MCD	Found at Installer CD/8.5 Compatibility/Symbols/Symbols_GeomD&T.MCD
Symbols_SpacePln.MCD	Found at Installer CD/8.5 Compatibility/Symbols/Symbols_SpacePln.MCD

Obsolete/Discontinued Items

The following support files were obsolete in VectorWorks 8 or have otherwise been discontinued in VectorWorks 9:

Straight Stair Tool	This file was obsolete in 8.x
Room Name...VSM	This file was obsolete in 8.x
Tools&Commands.MCD	This file was obsolete in 8.x
Worksheets&Records.MCD	This file was obsolete in 8.x
Engineering Properties.MCD	This file was obsolete in 8.x
Structural Tubing.MCD	This file was obsolete in 8.x
Drawing Border.MCD	This file was obsolete in 8.x
Drafting Aids.MCD	This file was obsolete in 8.x
Bearings.MCD	This file was obsolete in 8.x
GeomDim&Tol.MCD	This file was obsolete in 8.x
Misc Machine Elements.MCD	This file was obsolete in 8.x
Nuts&Bolts.MCD	This file was obsolete in 8.x
Pins.MCD	This file was obsolete in 8.x
Retaining Rings.MCD	This file was obsolete in 8.x
Rivets.MCD	This file was obsolete in 8.x
Springs.MCD	This file was obsolete in 8.x
Color Utilities.MCD	This file was obsolete in 8.x
Symbol Utilities.MCD	This file was obsolete in 8.x
Assembly.MCD	Discontinued
Bracket.MCD	Discontinued
Shaft.MCD	Discontinued
Wheel.MCD	Discontinued
3D Primitive Objects.OVL	Discontinued
Symbol Paint Tool	Discontinued
Cross Stitch Example.MCD	Discontinued
Cross Stitch READ ME.TXT	Discontinued

Items Replaced by Other Products

The following items' functionality has been replaced with new features now available only in specialized VectorWorks products:

Update Area Worksheet.VSM	Obsolete by VW ARCHITECT
Theater Seating...VSM	Obsolete by VW ARCHITECT/SPOTLIGHT
Theat. Light'g Plugins (ALL).VS*	Obsolete by VW SPOTLIGHT
PropertyBoundsTool	Obsolete by VW ARCHITECT/LANDMARK
Digital Terrain Modeling	Obsolete by VW ARCHITECT/LANDMARK
DTM support plug-ins (ALL).VS*	Obsolete by VW ARCHITECT/LANDMARK
DTM Samples (ALL).MCD	Obsolete by VW ARCHITECT/LANDMARK
AEC Project Setup...VSM	Obsolete by VW ARCHITECT/LANDMARK
Escalator.VSO	Obsolete by VW ARCHITECT
Mullion.VSO	Obsolete by VW ARCHITECT

05_Metals.MCD

Obsoleted by VW ARCHITECT

06_Wood & Plastics.MCD

Obsoleted by VW ARCHITECT

Theat. Light'g Resources (ALL).MCD

Obsoleted by VW SPOTLIGHT

Wall Framer

Obsoleted by VW ARCHITECT