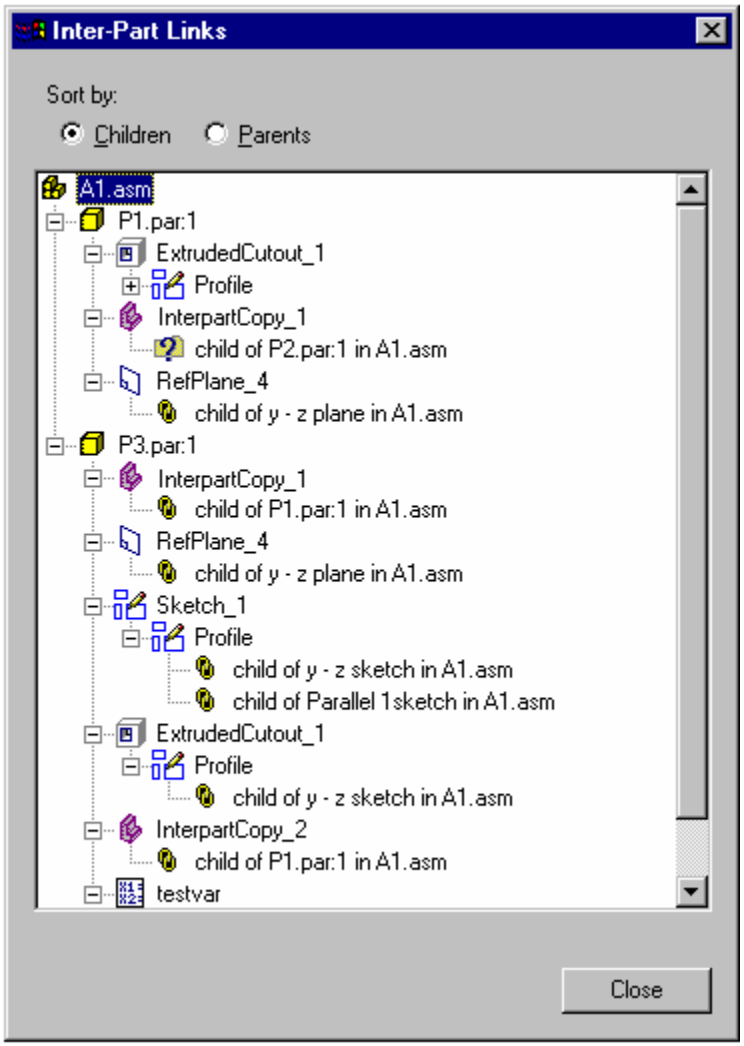
Solid Edge Symbols Legend

The symbols listed on these pages are displayed throughout Solid Edge, usually in the EdgeBar Pathfinder, dialog boxes, in the graphics window or near the mouse cursor as its position changes. Please familiarize yourself with the meaning of each and take the appropriate actions whenever necessary.

Inter-Part Associativity

Inter-Part Links dialog box (see next page)

Symbol	Description
	Part
	Assembly
	Inter-part copy
	Variable
	Reference plane
	Sketch or Profile
	Feature Extent
	Link is intact The link is intact and if design changes are made, the link should update properly.
	Link status cannot be determined because parent is inactive The status of the link cannot be determined because the parent document is currently inactive. You can resolve this with the Activate All command on the shortcut menu to activate all the parts in the assembly with associative links.
	Parent is not found Parent is not found. This can occur if, for example, you rename the parent file outside of Revision Manager. This can be fixed by renaming the file back to its original name.
	Link to parent is broken Link to parent is broken. This can occur if a feature that another part is dependent on is deleted. For example, a cutout feature in Part P1 is used to create an inter-part copy in Part P2. If you then delete the parent cutout feature in Part P1, a broken link symbol would be displayed adjacent to the inter-part copy listing for Part P2. If you want to delete any associative links between a child element and its parent, you can select the child element in the Inter-Part Links dialog box, then use the Break Links command on the shortcut menu. For example, you may want to break the associative links to a part that used to be unique to the assembly, but now will be used in other unrelated assemblies. When you break the associative links to a part, you can still make design changes to the individual parts.
	Link has multiple solutions Link has multiple solutions. The current assembly relationship or inter-part link contains multiple solutions. To correct the problem, you can adjust the assembly relationships or use Inter-Part Manager to determine which links are affected and delete those links.
	Link is out-of-context with its container assembly When you create inter-part links between documents, the link information is contained in the highest level assembly that is common to both the child and parent documents, based on the assembly you opened. When you open a child document out-of-context with its container assembly, this symbol is displayed.



Occurrence Properties

Specifies the characteristics of one or more parts or subassemblies in an assembly

Symbol	Description
	Renamed Part
	Renamed subassembly

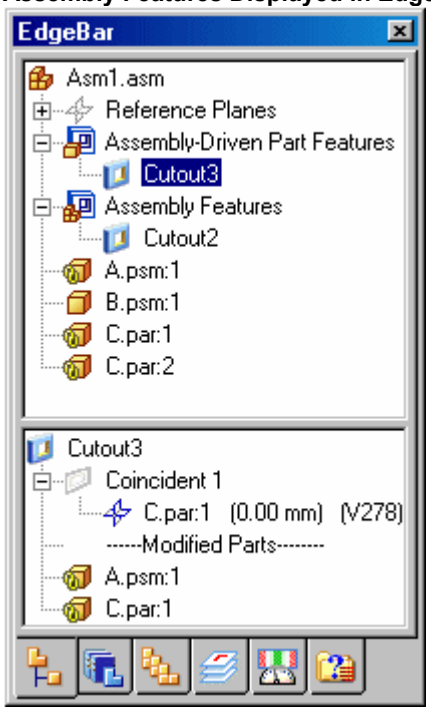
Assembly PathFinder

Determining the Status of a Component – Assembly PathFinder (see next page)

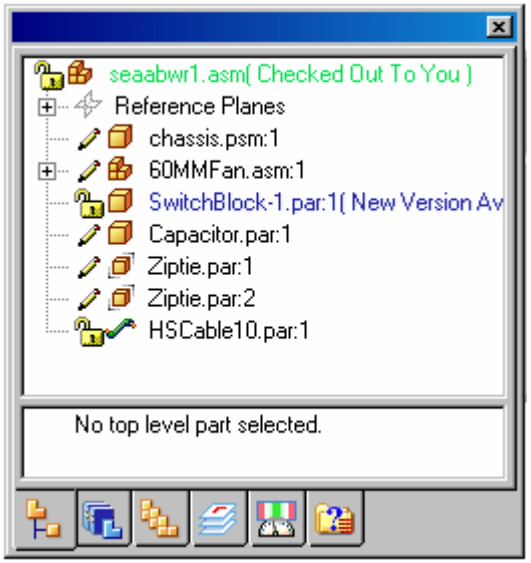
Symbol	Description
	Active part
	Inactive part
	Hidden part
	Unloaded part
	Part that is not fully positioned
	Part that has conflicting relationships
	Linked part
	Simplified part
	Missing component
	Alternate components part
	Part position is driven by a 2-D relationship in an assembly sketch
	Displayed assembly
	Adjustable Part
	Adjustable Assembly
	Assembly Features
	Assembly-Driven Part Features
	Fastener System (red indicates out-of-date Fastener System)
	Fastener System group
	Fastener System item
	Pattern group
	Pattern item
	Reference planes
	Reference plane
	Sketch

	Coordinate systems
	Note: The symbols in Assembly PathFinder can also represent combinations of conditions. For example, a symbol can show that a part is hidden and not fully positioned.
	Group of parts and subassemblies
	Motor
	Available
	In Work
	In Review
	Released
	Baselined
	Obsolete

Assembly Features Displayed in EdgeBar



Document Status Displayed in Assembly PathFinder



Assembly Relationships

Using the Bottom Pane

Symbol	Description
	Ground relationship
	Mate relationship
	Planar align relationship
	Axial align relationship
	Connect relationship
	Angle relationship
	Tangent relationship
	Gear relationship
	Suppressed relationship
	Failed relationship

Determining the Status of a Feature

Feature Pathfinder

Symbol	Description
	Suppressed feature
	Feature that is past the current "go to" location, and therefore not displayed in the part windows
	Reordering a feature
	Failed feature (see the To Do list for details)
	Feature with a profile problem (select the feature in Feature Pathfinder and see the status bar for details)
	Feature linked to another document
	Feature or sketch requires additional relationships to fully define its size, shape, or position.
	Missing parent (If you delete something that a feature depends upon, i.e., a parent of the feature, then the feature will fail. The most common example is deleting the face that a profile plane is based on.)
	Associatively linked feature whose parent document cannot be found
	Feature or sketch requires additional relationships to fully define its size, shape, or position
	Insert Part Copy (linked)
	Insert Part Copy (out-of-date)
	Insert Part Copy (link broken)

	Insert Part Copy (link to the parent document cannot be found)
	Group of features

Alternate Assemblies Edit Table

Symbol	Description
	Excluded part or relationship for the active member
	Failed part or relationship for the active member

Determining the Status of a Layer

Symbol	Description
	Active layer
	Occupied layer
	Empty layer
	Hidden Layer
	Occupied and Hidden layer
	Non-locatable layer

Families of Parts

Family Member Status

Symbol	Description
	The file has not been created.
	The file is up to date.
	The file needs updating.
	The file cannot be found.
	An error has occurred in the creation or update of the file.

Geometry Types Included as a Part Copy

Feature Pathfinder

Symbol	Description
	Solid geometry
	Curve data

	Surface or sheet data

Creating and Publishing Virtual Components

Determining the Status of a Virtual Component

Symbol	Description
	Virtual assembly
	Virtual part
	Virtual sheet metal part
	Source part
	Instance virtual part that has been positioned
	Position-less virtual part whose source virtual component has graphics assigned
	Positioned empty virtual part (no graphics assigned)
	Position-less pre-defined component
	Positioned pre-defined component

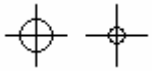
Virtual assemblies and virtual sheet metal parts can have the same range of statuses as shown for virtual parts in the table above.

Drawing View Tracker Dialog Box

Drawing View Status

Symbol	Description
	Drawing view
	Drawing view out-of-date
	Model out-of-date
	Model modified
	File not found
	Model up-to-date

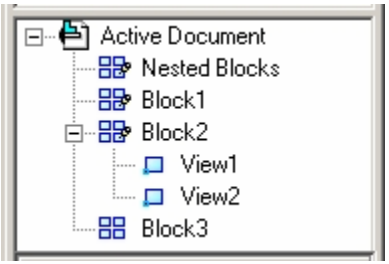
Miscellaneous Symbols

Symbol	Description
	QuickPick Specifies that the QuickPick toolbar list is displayed when you click the right mouse button.
	QuickPick Specifies that the QuickPick toolbar list is displayed when you click the left mouse button.
	Locate Zone A circular area at the center of the crosshair cursor or at the end of the arrow cursor. The locate zone specifies how close the cursor must be to an element you want to recognize or select. You can define the size of the locate zone with the IntelliSketch command on the Tools menu.
	Intent Zone A circular area that allows you to specify where you want to draw an element. For example, as you draw an arc, you can change the arc's direction by moving the cursor to a different position within the intent zone. You can define the size of the intent zone by specifying the number of pixels in it.

Blocks

Block Selection Pane in EdgeBar (see below)

Symbol	Description
	Blocks used in active document
	Blocks **not** used in active document
	View of a Block



Edit Links Dialog Box

Link Status (Tree View)

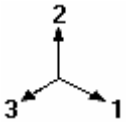
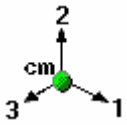
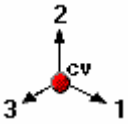
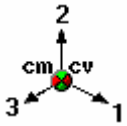
Symbol	Description
	Linked File Inactivated or Missing
	Linked File Activated

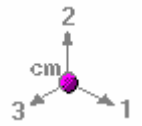
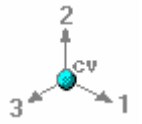
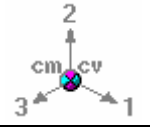
Geometric Relationships

Relationship Handles

Handle	Relationship
or	Collinear
	Connect (1 degree of freedom)
	Connect (2 degrees of freedom)
	Concentric
	Equal
	Horizontal/Vertical
	Tangent
	Tangent (Tangent + Equal Curvature)
	Tangent (Parallel Tangent Vectors)
	Tangent (Parallel Tangent Vectors + Equal Curvature)
	Symmetric
	Parallel
	Perpendicular
	Fillet
	Chamfer
	Link (local)
	Link (peer-to-peer)
	Link (sketch to sketch)
	Rigid Set (2-D elements)
	Lock A relationship that makes the position of an element or key point, or the value of a driving dimension, stationary.

Physical Properties Symbols

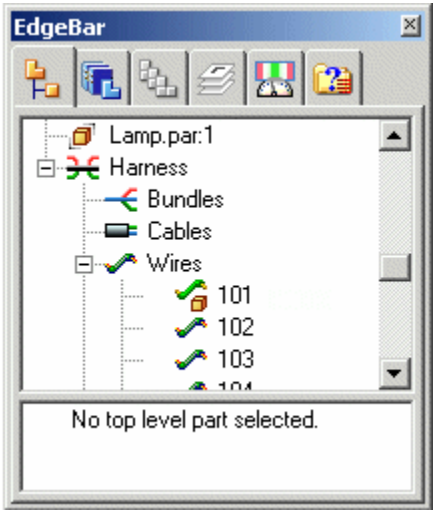
Symbol	Description
	Center of mass (up-to-date)
	Center of volume (up-to-date)
	Center of mass/Center of volume (up-to-date)
	Principal axis (up-to-date)
	Principal axis/Center of mass (up-to-date)
	Principal axis/Center of volume (up-to-date)
	Principal axis/Center of mass/Center of volume (up-to-date)
If you change a part, weldment, or assembly so that its physical properties change, the colors of the physical properties symbols change to show that the last calculated physical properties are out-of-date and should be updated.	
	Center of mass (out-of-date)
	Center of volume (out-of-date)
	Center of mass/Center of volume (out-of-date)
	Principal axis (out-of-date)

	Principal axis/Center of mass (out-of-date)
	Principal axis/Center of volume (out-of-date)
	Principal axis/Center of mass/Center of volume (out-of-date)

Wire Harness Design

Wire Harness Displayed in EdgeBar (see below)

Symbol	Description
	Harness
	Bundle
	Cable
	Wire



Drawing View Properties – Display Tab

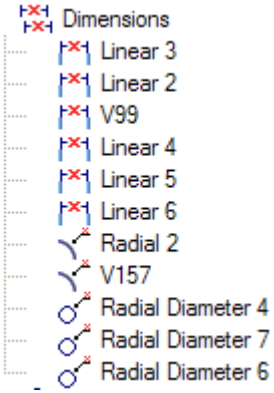
Parts List

Symbol	Description
	Part/solid body
	Weld bead
	Construction
	Sketch
	Coordinate system/center-of-mass coordinate system
	Reference plane
	Flow line
	Tube centerline
	Bend centerline
	Pipe Segment
	Pipe fitting
	Pipe run
	Assembly
	Harness
	Bundle
	Cable
	Wire
	Indicates section view. Displayed with component icon (for example, ).
	Indicates no fill. Displayed with component icon (for example, ).
	Indicates reference. Displayed with component icon (for example, ).
	Indicates an error. Check to be sure the associative model is present and contains no invalid geometry.
	Indicates a hidden component.
	Indicates indeterminate status (multiple selections, for example).
	Some icons can appear simultaneously. For example, the icon shown indicates a reference part in a section view.

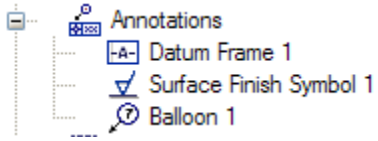
PMI Symbols in PathFinder

Symbol	Description
PMI	PMI collection symbol
Dimensions	Dimension node, shown (in PMI or Model Views collection)
Dimensions	Dimension node, hidden (in PMI or Model Views collection)
	PMI dimension element, shown
	PMI dimension element, hidden
Annotations	Annotation node, shown (in PMI or Model Views collection)
Annotations	Annotation node, hidden (in PMI or Model Views collection)
	PMI annotation element (callout symbol example), shown
	PMI annotation element (callout symbol example), hidden
Model Views	'Model Views' collection
	Defined model view
Section Views	'Section Views' collection
	Section view, applied
	Section view, unapplied

Within the PMI collection, different types of dimensions – e.g., linear, radial, angular – display unique symbols and element names on the PathFinder tab.



Annotations work the same way, with their own set of symbols and specific naming conventions.



Explode PathFinder

Symbol	Description
	Explosion
	Part
	Assembly
	Group
	Event Group
	Linear Event
	Rotational Event
	Moved Parts
	Unexploded Parts