#### [sp3d](sp3d.docx) (3-D Shape Properties)

A set of 3-D properties which a shape can contain.

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| Parent Elements |
| [styleLbl](styleLbl.docx) (§) |

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| Child Elements | Subclause |
| [bevelB](bevelB.docx) (Bottom Bevel) | § |
| [bevelT](bevelT.docx) (Top Bevel) | § |
| [contourClr](contourClr.docx) (Contour Color) | § |
| [extLst](extLst.docx) (Extension List) | § |
| [extrusionClr](extrusionClr.docx) (Extrusion Color) | § |

|  |  |
| --- | --- |
| Attributes | Description |
| contourW (Contour Width)  Namespace: .../drawingml/2006/main | Defines the width of the contour on the shape.  [Example: Consider the following example of a contourW in use within the [sp3d](sp3d.docx) element:  <a:sp3d extrusionH="165100" contourW="50800"  prstMaterial="plastic">  <a:bevelT [w](w.docx)="254000" [h](h.docx)="254000"/>  <a:bevelB [w](w.docx)="254000" [h](h.docx)="254000"/>  <a:extrusionClr>  <a:srgbClr [val](val.docx)="FF0000"/>  </a:extrusionClr>  <a:contourClr>  <a:schemeClr [val](val.docx)="accent3"/>  </a:contourClr> >/a:sp3d>  In this example, we see a countourW defined as 50800. [end](end.docx) example]  The possible values for this attribute are defined by the [ST\_PositiveCoordinate](ST_PositiveCoordinate.docx) simple type (§). |
| extrusionH (Extrusion Height)  Namespace: .../drawingml/2006/main | Defines the height of the extrusion applied to the shape.  [Example: Consider the following example of an extrusionH in use within the [sp3d](sp3d.docx) element:  <a:sp3d extrusionH="165100" contourW="50800" prstMaterial="plastic">  < <a:bevelT [w](w.docx)="254000" [h](h.docx)="254000"/>  <a:bevelB [w](w.docx)="254000" [h](h.docx)="254000"/>  <a:extrusionClr>  <a:srgbClr [val](val.docx)="FF0000"/>  </a:extrusionClr>  <a:contourClr>  <a:schemeClr [val](val.docx)="accent3"/>  </a:contourClr> </a:sp3d>  In this example, we see a extrusionH defined as 165100. [end](end.docx) example]  The possible values for this attribute are defined by the [ST\_PositiveCoordinate](ST_PositiveCoordinate.docx) simple type (§). |
| prstMaterial (Preset Material Type)  Namespace: .../drawingml/2006/main | Defines the preset material which is combined with the lighting properties to give the final look and feel of a shape.  [Example: Consider the following example of a prstMaterial in use within the [sp3d](sp3d.docx) element:  <a:sp3d extrusionH="165100" contourW="50800"  prstMaterial="plastic">  <a:bevelT [w](w.docx)="254000" [h](h.docx)="254000"/>  <a:bevelB [w](w.docx)="254000" [h](h.docx)="254000"/>  <a:extrusionClr>  <a:srgbClr [val](val.docx)="FF0000"/>  </a:extrusionClr>  <a:contourClr>  <a:schemeClr [val](val.docx)="accent3"/>  </a:contourClr> </a:sp3d>  In this example, we see a prstMaterial defined as plastic. [end](end.docx) example]  The possible values for this attribute are defined by the [ST\_PresetMaterialType](ST_PresetMaterialType.docx) simple type (§). |
| z (Shape Depth)  Namespace: .../drawingml/2006/main | Defines the z coordinate for the [3D](3D.docx) shape.  The possible values for this attribute are defined by the [ST\_Coordinate](ST_Coordinate.docx) simple type (§). |

The following XML Schema fragment defines the contents of this element:

<complexType [name](name.docx)="CT\_Shape3D">

<sequence>

<element name="[bevelT](bevelT.docx)" type="CT\_Bevel" minOccurs="0" maxOccurs="1"/>

<element name="[bevelB](bevelB.docx)" type="CT\_Bevel" minOccurs="0" maxOccurs="1"/>

<element name="[extrusionClr](extrusionClr.docx)" type="CT\_Color" minOccurs="0" maxOccurs="1"/>

<element name="[contourClr](contourClr.docx)" type="CT\_Color" minOccurs="0" maxOccurs="1"/>

<element name="[extLst](extLst.docx)" type="CT\_OfficeArtExtensionList" minOccurs="0" maxOccurs="1"/>

</sequence>

<attribute name="z" type="[ST\_Coordinate](ST_Coordinate.docx)" use="optional" default="0"/>

<attribute name="extrusionH" type="[ST\_PositiveCoordinate](ST_PositiveCoordinate.docx)" use="optional" default="0"/>

<attribute name="contourW" type="[ST\_PositiveCoordinate](ST_PositiveCoordinate.docx)" use="optional" default="0"/>

<attribute name="prstMaterial" type="[ST\_PresetMaterialType](ST_PresetMaterialType.docx)" use="optional" default="warmMatte"/>

</complexType>