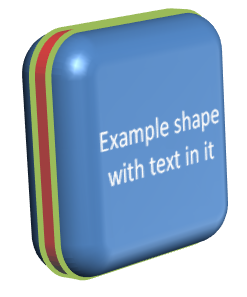
#### [sp3d](sp3d.docx) (Apply [3D](3D.docx) shape properties)

This element defines the [3D](3D.docx) properties associated with a particular shape in DrawingML. The [3D](3D.docx) properties which can be applied to a shape are top and bottom bevels, a contour and an extrusion.

[Example: Consider the following example of an [sp3d](sp3d.docx) in DrawingML:

<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 an [sp3d](sp3d.docx) defined which contains information defining both a top and bottom [bevel](bevel.docx), along with an extrusion and contour on the shape. The following image illustrates a shape with the applied [sp3d](sp3d.docx):



[end](end.docx) example]

|  |
| --- |
| Parent Elements |
| bodyPr (§); effectStyle (§); [spPr](spPr.docx) (§); [spPr](spPr.docx) (§); [spPr](spPr.docx) (§); [spPr](spPr.docx) (§); [spPr](spPr.docx) (§); [spPr](spPr.docx) (§); [spPr](spPr.docx) (§); [txPr](txPr.docx) (§) |

|  |  |
| --- | --- |
| 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) | 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) | 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) | 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) | 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>