

# frame (Frame)

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need review

```
picture frame.png to update, rest is done
```

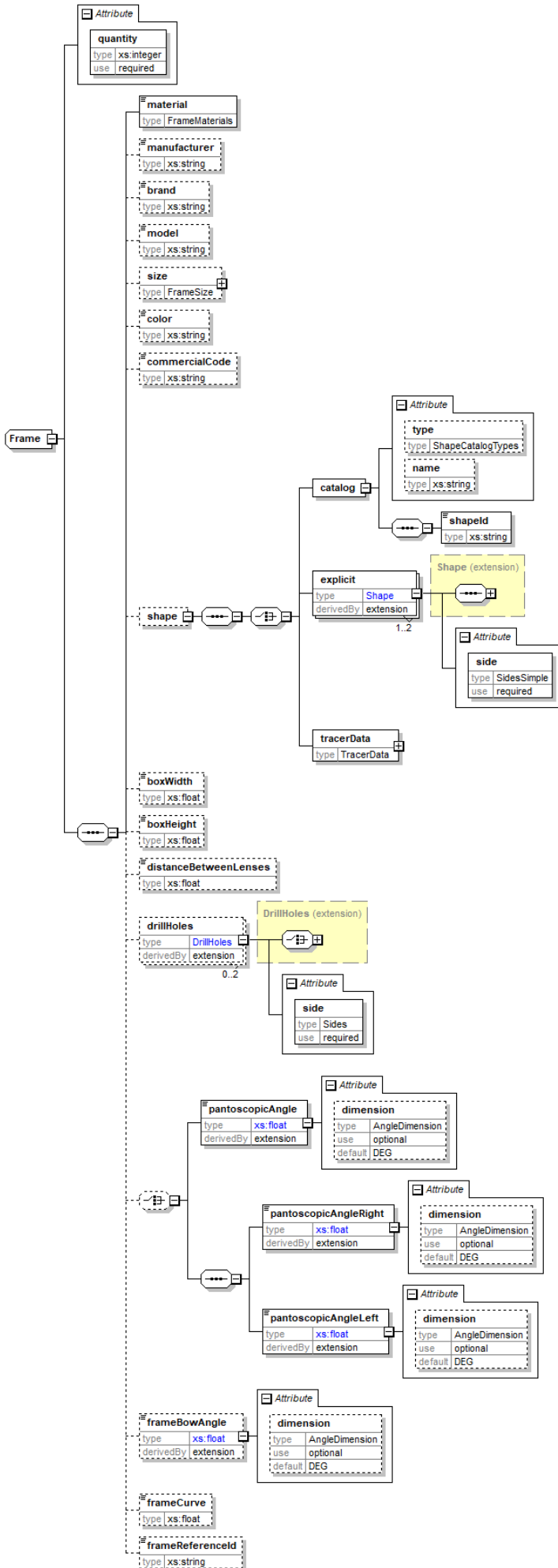
```
03.06.2020 Attribute "resizeToBox" added
```

```
//Section can be deleted after review!//
```

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[b2bOpticJobData](#) → [items](#) → [item](#) → [pair](#) → frame





<b>quantity</b>	
<b>type</b>	integer
<b>use</b>	required
<b>description</b>	value is everytime 1
<b>material</b>	
<b>type</b>	<a href="#">FrameMaterials</a>
<b>occurs</b>	1
<b>description</b>	type of frame
<b>manufacturer</b>	
<b>type</b>	string
<b>occurs</b>	0..1
<b>description</b>	manufacturer code of the frame
<b>brand</b>	
<b>type</b>	string
<b>occurs</b>	0..1
<b>description</b>	brand code of the frame
<b>model</b>	
<b>type</b>	string
<b>occurs</b>	0..1
<b>description</b>	model code of the frame
<b>size</b>	
<b>type</b>	<a href="#">FrameSize</a>
<b>occurs</b>	0..1
<b>description</b>	Nominal size information as given from frame manufacturer
<b>color</b>	
<b>type</b>	string
<b>occurs</b>	0..1
<b>description</b>	color code of the frame
<b>commercialCode</b>	
<b>type</b>	string
<b>occurs</b>	0..1
<b>description</b>	the commercial ordering code of the frame
<b>shape</b>	
<b>occurs</b>	0..1
<b>description</b>	
<b>catalog (element of shape)</b>	
<b>type</b>	string
<b>occurs</b>	1 (not together with explicit or tracerData)
<b>description</b>	shape code of a list of standard shapes from the lens manufacturer
<b>type (attribute of catalog)</b>	
<b>type</b>	<a href="#">ShapeCatalogTypes</a>
<b>use</b>	optional
<b>description</b>	
<b>name (attribute of catalog)</b>	
<b>type</b>	string

<b>name (attribute of catalog)</b>	
<b>use</b>	optional
<b>description</b>	
<b>New!</b> <b>resizeToBox (attribute of catalog)</b>	
<b>type</b>	boolean
<b>use</b>	optional
<b>description</b> for resizeToBox send true; default is false	
<b>shapeld (element of catalog)</b>	
<b>type</b>	string
<b>occurs</b>	1
<b>description</b> code to identify the shape	
<b>explicit (element of shape)</b>	
<b>type</b>	Shape
<b>occurs</b>	1..2 (not together with catalog or tracerData)
<b>description</b> shape is described by radii; usually with 36 points per side	
<b>side (attribute of explicit)</b>	
<b>type</b>	SidesSimple
<b>use</b>	required
<b>description</b> shape side	
<b>tracerData (element of shape)</b>	
<b>type</b>	TracerData
<b>occurs</b>	1 (not together with catalog or explicit)
<b>description</b> data from a tracer interface	
<b>boxWidth</b>	
<b>type</b>	float
<b>unity</b>	mm
<b>occurs</b>	0..1
<b>description</b> measured box width for size transformations	
<b>boxHeight</b>	
<b>type</b>	float
<b>unity</b>	mm
<b>occurs</b>	0..1
<b>description</b> measured box height for size transformations	
<b>New!</b> <b>box</b>	
<b>occurs</b>	2
<b>description</b> measured box boxWidth/boxHeight for different size right and left	
<b>distanceBetweenLenses</b>	
<b>type</b>	float
<b>unity</b>	mm
<b>occurs</b>	0..1
<b>description</b> measured dbl for calculation purposes	
<b>drillHoles</b>	
<b>type</b>	DrillHoles
<b>occurs</b>	0..2
<b>description</b> describes the drillholes for calculations or drilling; for drilling by the lens manufacturer, a special parameter needs to be set	

**side (attribute of drillHoles)**

<b>type</b>	Sides
<b>use</b>	required
<b>description</b>	shape side

**pantoscopicAngle**

<b>type</b>	float
<b>unity</b>	see attribute dimension
<b>occurs</b>	0..1 (not together with pantoscopicAngleRight or pantoscopicAngleLeft)
<b>description</b>	

**dimension (attribute of pantoscopicAngle)**

<b>type</b>	AngleDimension
<b>use</b>	optional
<b>default</b>	DEG
<b>description</b>	unity of pantoscopicAngle

**pantoscopicAngleRight**

<b>type</b>	float
<b>unity</b>	see attribute dimension
<b>occurs</b>	0..1 (not together with pantoscopicAngle)
<b>description</b>	

**dimension (attribute of pantoscopicAngleRight)**

<b>type</b>	AngleDimension
<b>use</b>	optional
<b>default</b>	DEG
<b>description</b>	unity of pantoscopicAngleRight

**pantoscopicAngleLeft**

<b>type</b>	float
<b>unity</b>	see attribute dimension
<b>occurs</b>	0..1 (not together with pantoscopicAngle)
<b>description</b>	

**dimension (attribute of pantoscopicAngleLeft)**

<b>type</b>	AngleDimension
<b>use</b>	optional
<b>default</b>	DEG
<b>description</b>	unity of pantoscopicAngleLeft

**frameBowAngle**

<b>type</b>	float
<b>unity</b>	see attribute dimension
<b>occurs</b>	0..1
<b>description</b>	

**dimension (attribute of frameBowAngle)**

<b>type</b>	AngleDimension
<b>use</b>	optional
<b>default</b>	DEG
<b>description</b>	unity of frameBowAngle

<b>frameCurve</b>	
<b>type</b>	float
<b>unity</b>	dpt
<b>occurs</b>	0..1
<b>description</b>	
<b>frameReferenceId</b>	
<b>type</b>	string
<b>occurs</b>	0..1
<b>description</b>	identifier to match a send-in frame to the order for fitting. This reference is used, if the referenceNo of the item cannot be used, because of later lens ordering than sending the frame.

```

<xs:complexType name="Frame">
  <xs:sequence>
    <xs:element name="material" type="FrameMaterials" />
    <xs:element minOccurs="0" name="manufacturer" type="xs:string" />
    <xs:element minOccurs="0" name="brand" type="xs:string" />
    <xs:element minOccurs="0" name="model" type="xs:string" />
    <xs:element minOccurs="0" name="size" type="FrameSize" />
    <xs:element minOccurs="0" name="color" type="xs:string" />
    <xs:element minOccurs="0" name="commercialCode" type="xs:string" />
    <xs:element minOccurs="0" name="shape">
      <xs:complexType>
        <xs:sequence>
          <xs:choice>
            <xs:element name="catalog">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="shapeId" type="xs:string" />
                </xs:sequence>
                <xs:attribute name="type" type="ShapeCatalogTypes"/>
                <xs:attribute name="name" type="xs:string"/>
                <xs:attribute name="resizeToBox" type="xs:boolean"
default="false"/>
              </xs:complexType>
            </xs:element>
            <xs:element maxOccurs="2" name="explicit">
              <xs:complexType>
                <xs:complexContent mixed="false">
                  <xs:extension base="Shape">
                    <xs:attribute name="side" type="SidesSimple"
use="required" />
                  </xs:extension>
                </xs:complexContent>
              </xs:complexType>
            </xs:element>
            <xs:element name="tracerData" type="TracerData" />
          </xs:choice>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>

```

```
</xs:element>
<xs:element minOccurs="0" name="boxWidth" type="xs:float" />
<xs:element minOccurs="0" name="boxHeight" type="xs:float" />
<xs:element minOccurs="0" name="distanceBetweenLenses" type="xs:float"
/>
<xs:element minOccurs="0" maxOccurs="2" name="drillHoles">
  <xs:complexType>
    <xs:complexContent mixed="false">
      <xs:extension base="DrillHoles">
        <xs:attribute name="side" type="Sides" use="required" />
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
<xs:choice minOccurs="0">
  <xs:element name="pantoscopicAngle">
    <xs:complexType>
      <xs:simpleContent>
        <xs:extension base="xs:float">
          <xs:attribute default="DEG" name="dimension"
type="AngleDimension" use="optional" />
        </xs:extension>
      </xs:simpleContent>
    </xs:complexType>
  </xs:element>
  <xs:sequence>
    <xs:element name="pantoscopicAngleRight">
      <xs:complexType>
        <xs:simpleContent>
          <xs:extension base="xs:float">
            <xs:attribute default="DEG" name="dimension"
type="AngleDimension" use="optional" />
          </xs:extension>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
    <xs:element name="pantoscopicAngleLeft">
      <xs:complexType>
        <xs:simpleContent>
          <xs:extension base="xs:float">
            <xs:attribute default="DEG" name="dimension"
type="AngleDimension" use="optional" />
          </xs:extension>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:choice>
<xs:element minOccurs="0" name="frameBowAngle">
  <xs:complexType>
```



```
<xs:simpleContent>
  <xs:extension base="xs:float">
    <xs:attribute default="DEG" name="dimension"
type="AngleDimension" use="optional" />
  </xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>
<xs:element minOccurs="0" name="frameCurve" type="xs:float" />
<xs:element minOccurs="0" name="frameReferenceId" type="xs:string" />
</xs:sequence>
<xs:attribute name="quantity" type="xs:integer" use="required" />
</xs:complexType>
```

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