frame (Frame)

NEEDREVIEW

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

03.06.2020 Attribute “resizeToBox” added
05.07.2022 box with different shapes r/l

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

---

b2boptic → items → item → pair → frame

quantity	
type	integer
use	required
description	value is everytime 1
material	
type	FrameMaterials
occurs	1
description	type of frame
manufacturer	
type	string
occurs	0..1
description	manufacturer code of the frame
brand	
type	string
occurs	0..1
description	brand code of the frame
model	
type	string
occurs	0..1
description	model code of the frame
size	
type	FrameSize
occurs	0..1
description	Nominal size information as given from frame manufacturer
color	
type	string
occurs	0..1
description	color code of the frame

commercialCode	
type	string
occurs	0..1
description	the commercial ordering code of the frame

shape	
occurs	0..1
description	

catalog (element of shape)	
type	string
occurs	1 (not together with explicit or tracerData)
description	shape code of a list of standard shapes from the lens manufacturer

type (attribute of catalog)	
type	ShapeCatalogTypes
use	optional
description	

name (attribute of catalog)	
type	string
use	optional
description	

// ISNEWLO010604 resizeToBox (attribute of catalog)//	
type	boolean
use	optional
description	for resizeToBox send true; default is false

shapeId (element of catalog)	
type	string
occurs	1
description	code to identify the shape

explicit (element of shape)	
type	Shape
occurs	1..2 (not together with catalog or tracerData)
description	shape is described by radii; usually with 36 points per side

side (attribute of explicit)	
type	SidesSimple
use	required
description	shape side

tracerData (element of shape)	
type	TracerData
occurs	1 (not together with catalog or explicit)
description	data from a tracer interface

boxWidth	
type	float
unity	mm
occurs	0..1
description	measured box width for size transformations

boxHeight	
type	float
unity	mm
occurs	0..1
description	measured box height for size transformations

ISNEWLO010604 box	
occurs	2
description	measured box boxWidth/boxHeight for different size right and left

distanceBetweenLenses	
type	float
unity	mm
occurs	0..1
description	measured dbl for calculation purposes

drillHoles	
type	DrillHoles
occurs	0..2
description	describes the drillholes for calculations or drilling; for drilling by the lens manufacturer, a special parameter needs to be set

***side* (attribute of drillHoles)**	
type	Sides
use	required
description	shape side

pantoscopicAngle	
type	float
unity	see attribute dimension
occurs	0..1 (not together with pantoscopicAngleRight or pantoscopicAngleLeft)
description	

***dimension* (attribute of pantoscopicAngle)**	
type	AngleDimension
use	optional
default	DEG
description	unity of pantoscopicAngle

pantoscopicAngleRight	
type	float
unity	see attribute dimension
occurs	0..1 (not together with pantoscopicAngle)
description	

***dimension* (attribute of pantoscopicAngleRight)**	
type	AngleDimension
use	optional
default	DEG
description	unity of pantoscopicAngleRight

pantoscopicAngleLeft	
type	float
unity	see attribute dimension
occurs	0..1 (not together with pantoscopicAngle)

pantoscopicAngleLeft	
description	

dimension (attribute of pantoscopicAngleLeft)	
type	AngleDimension
use	optional
default	DEG
description	unity of pantoscopicAngleLeft

frameBowAngle	
type	float
unity	see attribute dimension
occurs	0..1
description	

dimension (attribute of frameBowAngle)	
type	AngleDimension
use	optional
default	DEG
description	unity of frameBowAngle

frameCurve	
type	float
unity	dpt
occurs	0..1
description	

frameReferenceId	
type	string
occurs	0..1
description	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: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>
```

From:
http://wiki.b2boptic.com/ - **wiki.b2bOptic.com**

Permanent link:
http://wiki.b2boptic.com/en:lensorder:version010607:complextypes:frame

Last update: **2026/11/16 10:38**