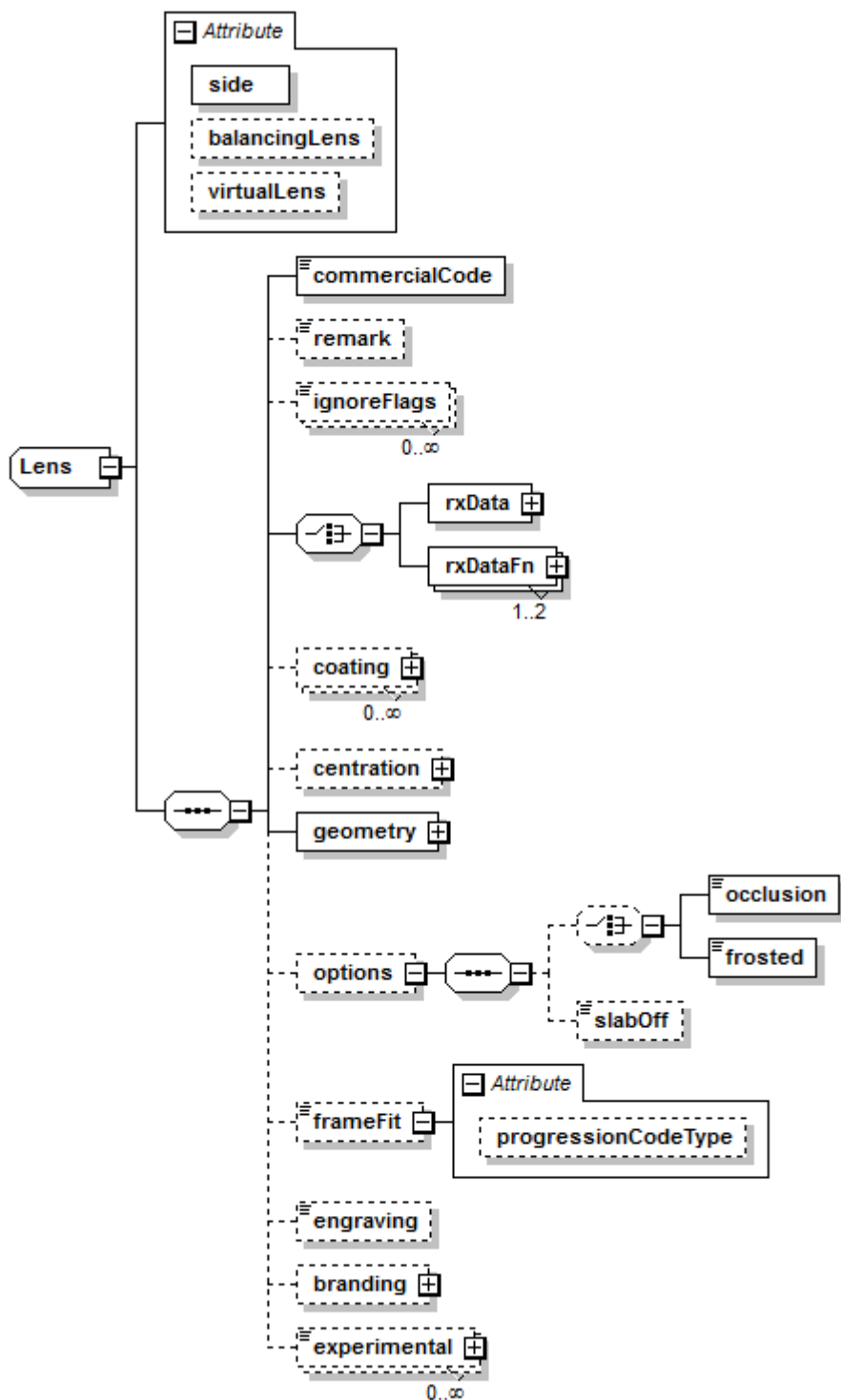


# lens (Lens)

b2boptic → items → item → pair → lens



<b>side</b>	
<b>type</b>	Sides
<b>use</b>	required
<b>description</b>	the side of eye the lens are for

<b>balancingLens</b>	
<b>type</b>	boolean

<b>balancingLens</b>	
<b>use</b>	optional
<b>default</b>	false
<b>description</b>	only allowed at one side; the supplier should select a single vision lens for this side that fits to the multi vision lens of the other side
<b>virtualLens</b>	
<b>type</b>	boolean
<b>use</b>	optional
<b>default</b>	false
<b>description</b>	only allowed at one side; if a single lens is ordered and the data of the other side is necessary for calculation; if virtualLens is set to true, the attribute quantity of lens is set to 0 (?)
<b>commercialCode</b>	
<b>type</b>	string
<b>occurs</b>	1
<b>description</b>	productcode of the lens like in product catalog (e.g. B2BOptic LensCatalog)
<b>remark</b>	
<b>type</b>	string
<b>occurs</b>	0..1
<b>description</b>	remark for a single lens
<b>ignoreFlags</b>	
<b>type</b>	string
<b>occurs</b>	0..n
<b>description</b>	special codes to the receiver that an error should not be raised (e.g. diameter to small); these flags should be explicitly set by the customer
<b>rxData</b>	
<b>type</b>	<a href="#">RXDataType</a>
<b>occurs</b>	1 or if rxDataFn is present then 0
<b>description</b>	there are refraction values only for far
<b>rxDataFn</b>	
<b>type</b>	<a href="#">RXDataTypeFarNear</a>
<b>occurs</b>	1..2 or if rxData is present then 0
<b>description</b>	there are refraction values only for near or values for both far and near at the same time without a addition
<b>coating</b>	
<b>type</b>	<a href="#">Coating</a>
<b>occurs</b>	0..n
<b>description</b>	the coatings and options for the lens
<b>centration</b>	
<b>type</b>	<a href="#">Centration</a>
<b>occurs</b>	0..1
<b>description</b>	centration data
<b>geometry</b>	
<b>type</b>	<a href="#">GeometryType</a>
<b>occurs</b>	1
<b>description</b>	

<b>options</b>	
<b>occurs</b>	0..1
<b>occlusion (element of options)</b>	
<b>type</b>	boolean
<b>occurs</b>	0..1, only allowed if frosted not present
<b>description</b>	
<b>frosted (element of options)</b>	
<b>type</b>	boolean
<b>occurs</b>	0..1, only allowed if occlusion not present
<b>description</b>	
<b>slabOff (element of options)</b>	
<b>type</b>	boolean
<b>default</b>	false
<b>occurs</b>	0..1
<b>description</b>	
<b>frameFit</b>	
<b>type</b>	float
<b>unity</b>	?
<b>occurs</b>	0..1
<b>description</b>	size correction for the length of progression zone
<b><i>progressionCodeType (attribute of frameFit)</i></b>	
<b>type</b>	<a href="#">ProgressionCodeType</a>
<b>use</b>	optional
<b>default</b>	FRAMEFIT
<b>description</b>	the type of framefit code
<b>engraving</b>	
<b>type</b>	string
<b>occurs</b>	0..1
<b>description</b>	individual gravure text
<b>branding</b>	
<b>type</b>	<a href="#">Branding</a>
<b>occurs</b>	0..1
<b>description</b>	the trademark of the supplier is engraved to the lens
<b>experimental</b>	
<b>type</b>	anyType
<b>occurs</b>	0..n
<b>description</b>	deprecated; only for internal tests within a company system

```
<xs:complexType name="Lens">
  <xs:sequence>
    <xs:element name="commercialCode" type="xs:string" />
    <xs:element name="remark" type="xs:string" minOccurs="0"/>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ignoreFlags"
type="xs:string" />
    <xs:choice>
      <xs:element name="rxData" type="RXDataType" />
      <xs:element maxOccurs="2" name="rxDataFn" type="RXDataFarNear" />

```

```
</xs:choice>
<xs:element minOccurs="0" maxOccurs="unbounded" name="coating"
type="Coating" />
<xs:element minOccurs="0" name="centration" type="Centration" />
<xs:element name="geometry" type="GeometryType" />
<xs:element minOccurs="0" name="options">
  <xs:complexType>
    <xs:sequence>
      <xs:choice minOccurs="0">
        <xs:element name="occlusion" type="xs:boolean" />
        <xs:element name="frosted" type="xs:boolean" />
      </xs:choice>
      <xs:element minOccurs="0" default="false" name="slabOff"
type="xs:boolean" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="frameFit" minOccurs="0">
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:float">
        <xs:attribute name="progressionCodeType"
type="ProgressionCodeType" default="FRAMEFIT"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
<xs:element minOccurs="0" name="engraving" type="xs:string" />
<xs:element minOccurs="0" name="branding" type="Branding" />
<xs:element minOccurs="0" maxOccurs="unbounded" name="experimental"
type="xs:anyType" />
</xs:sequence>
<xs:attribute name="side" type="Sides" use="required" />
<xs:attribute default="false" name="balancingLens" type="xs:boolean"
use="optional" />
<xs:attribute default="false" name="virtualLens" type="xs:boolean"
use="optional" />
</xs:complexType>
```

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