lens (Lens)

b2boptic → items → item → pair → lens

side	
type	Sides
use	required
description	the side of eye the lens are for

balancingLens	
type	boolean
use	optional
default	false
description	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

virtualLens	
type	boolean
use	optional
default	false
description	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 (?)

commercialCode	
type	string
occurs	1
description	productcode of the lens like in product catalog (e.g. B2BOptic LensCatalog)

remark	
type	string
occurs	0..1
description	remark for a single lens

ignoreFlags	
type	string
occurs	0..n
description	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

rxData	
type	RXDataType
occurs	1 or if rxDataFn is present then 0
description	there are refraction values only for far

rxDataFn	
type	RXDataTypeFarNear
occurs	1..2 or if rxData is present then 0
description	there are refraction values only for near or values for both far and near at the same time without a addition

coating	
type	Coating
occurs	0..n
description	the coatings and options for the lens

centration	
type	Centration
occurs	0..1
description	centration data

geometry	
type	GeometryType
occurs	1
description	

options	
occurs	0..1

occlusion (element of options)	
type	boolean
occurs	0..1, only allowed if frosted not present
description	

frosted (element of options)	
type	boolean
occurs	0..1, only allowed if occlusion not present
description	

slabOff (element of options)	
type	boolean
default	false
occurs	0..1
description	

frameFit	
type	float
unity	?
occurs	0..1
description	size correction for the length of progression zone

***progressionCodeType* (attribute of frameFit)**	
type	ProgressionCodeType
use	optional
default	FRAMEFIT
description	the type of framefit code

engraving	
type	string
occurs	0..1
description	individual gravure text

branding	
type	Branding
occurs	0..1
description	the trademark of the supplier is engraved to the lens

experimental	
type	anyType
occurs	0..n
description	deprecated; only for internal tests within a company system

```
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  <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="RXDataTypeFarNear" />
    </xs:choice>
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type="Coating" />
    <xs:element minOccurs="0" name="centration" type="Centration" />
    <xs:element name="geometry" type="GeometryType" />
    <xs:element minOccurs="0" name="options">
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            <xs:element name="frosted" type="xs:boolean" />
          </xs:choice>
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type="xs:boolean" />
        </xs:sequence>
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    </xs:element>
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type="ProgressionCodeType" default="FRAMEFIT"/>
          </xs:extension>
        </xs:simpleContent>
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    </xs:element>
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    <xs:element minOccurs="0" name="branding" type="Branding" />
    <xs:element minOccurs="0" maxOccurs="unbounded" name="experimental"
type="xs:anyType" />
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  <xs:attribute default="false" name="balancingLens" type="xs:boolean"
use="optional" />
  <xs:attribute default="false" name="virtualLens" type="xs:boolean"
use="optional" />
```

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</xs:complexType>
```

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