Schema **purchase-order.xsd**

schema location: **D:\projects\XML-Interfaces\xsd\generic\purchase-order.xsd**

Elements
purchase-order

schema location: **D:\projects\XML-Interfaces\xsd\generic/customer/customerExtType.xsd**

Complex types
customerExtType

schema location: **D:\projects\XML-Interfaces\xsd\generic/general/positionType.xsd**

Complex types
positionType

schema location: **D:\projects\XML-Interfaces\xsd\generic/customer/customerType.xsd**

Complex types
customerType

schema location: **D:\projects\XML-Interfaces\xsd\generic/customer/rsaPublicKeyType.xsd**

Complex types
rsaPublicKeyType

schema location: **D:\projects\XML-Interfaces\xsd\generic/general/salesOrderExtType.xsd**

Complex types
salesOrderExtType

schema location: **D:\projects\XML-Interfaces\xsd\generic/customer/addressType.xsd**

Complex types
addressType

schema location: **D:\projects\XML-Interfaces\xsd\generic/customer/internalCustomerType.xsd**

Complex types
internalCustomerType

schema location: **D:\projects\XML-Interfaces\xsd\generic/general/salesOrderType.xsd**

Complex types
salesOrderType

schema location: **D:\projects\XML-Interfaces\xsd\generic/frame/frameExtType.xsd**

Complex types
frameExtType

schema location: **D:\projects\XML-Interfaces\xsd\generic/lens/lensType.xsd**

Complex types
lensType

schema location: **D:\projects\XML-Interfaces\xsd\generic/customer/orderEntryType.xsd**

Complex types
orderEntryType

schema location: **D:\projects\XML-Interfaces\xsd\generic/frame/frameType.xsd**

Complex types
frameType

schema location: **D:\projects\XML-Interfaces\xsd\generic/general/generalPreCalcType.xsd**

Complex types
generalPreCalcType

schema location: **D:\projects\XML-Interfaces\xsd\generic/general/generalSideType.xsd**

Complex types
generalSideType

schema location: **D:\projects\XML-Interfaces\xsd\generic/lens/salesOrderLensType.xsd**

Complex types
salesOrderLensType

schema location: **D:\projects\XML-Interfaces\xsd\generic/frame/remoteEdgingType.xsd**

Complex types
remoteEdgingType

schema location: **D:\projects\XML-Interfaces\xsd\generic/frame/frameSideExtType.xsd**

Complex types
frameSideExtType

schema location: **D:\projects\XML-Interfaces\xsd\generic/lens/refractionType.xsd**

Complex types
refractionType

schema location: **D:\projects\XML-Interfaces\xsd\generic/lens/optionsType.xsd**

Complex types
optionsType

schema location: **D:\projects\XML-Interfaces\xsd\generic/lens/preCalcType.xsd**

Complex types
preCalcType

schema location: **D:\projects\XML-Interfaces\xsd\generic/frame/frameSideType.xsd**

Complex types
frameSideType

schema location: **D:\projects\XML-Interfaces\xsd\generic/lens/preCalcLensType.xsd**

Complex types
preCalcLensType

schema location: **D:\projects\XML-Interfaces\xsd\generic/lens/salesOrderLensPreProcessType.xsd**

Complex types
salesOrderLensPreProcessType

schema location: **D:\projects\XML-Interfaces\xsd\generic/lens/cylinderType.xsd**

Complex types
cylinderType

schema location: **D:\projects\XML-Interfaces\xsd\generic/lens/prismType.xsd**

Complex types
prismType

schema location: **D:\projects\XML-Interfaces\xsd\generic/frame/frameDataType.xsd**

Complex types
frameDataType

schema location: **D:\projects\XML-Interfaces\xsd\generic/frame/frameSourceType.xsd**

Complex types
frameSourceType

schema location: **D:\projects\XML-Interfaces\xsd\generic/frame/frameSpecialType.xsd**

Complex types
frameSpecialType

schema location: **D:\projects\XML-Interfaces\xsd\generic/frame/holesType.xsd**

Complex types
holesType

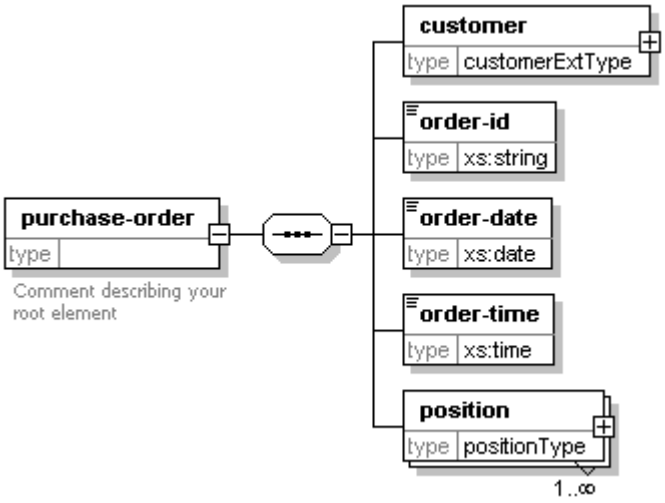
schema location: **D:\projects\XML-Interfaces\xsd\generic/frame/centrationType.xsd**

Complex types
centrationType

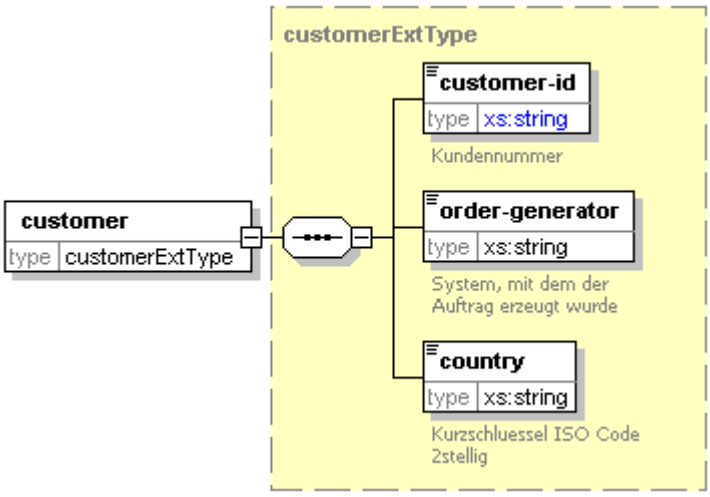
schema location: D:\projects\XML-Interfaces\xsd\generic/frame/shapeType.xsd

Complex types
shapeType

element **purchase-order**

diagram	
children	customer order-id order-date order-time position
annotation	documentation Comment describing your root element
source	<xs:element name="purchase-order"> <xs:annotation> <xs:documentation>Comment describing your root element</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="customer" type="customerExtType"/> <xs:element name="order-id" type="xs:string"/> <xs:element name="order-date" type="xs:date"/> <xs:element name="order-time" type="xs:time"/> <xs:element name="position" type="positionType" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>

element **purchase-order/customer**

diagram	
type	**customerExtType**
children	**customer-id** **order-generator** **country**
source	<xs:element name="customer" type="customerExtType"/>

element **purchase-order/order-id**

diagram	
type	**xs:string**
source	<xs:element name="order-id" type="xs:string"/>

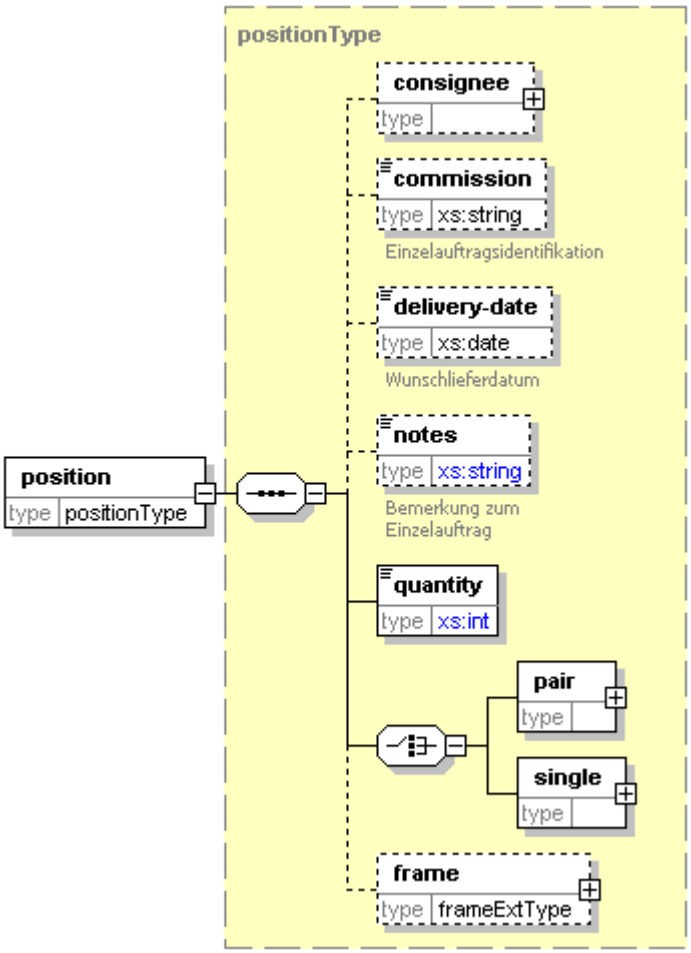
element **purchase-order/order-date**

diagram	
type	**xs:date**
source	<xs:element name="order-date" type="xs:date"/>

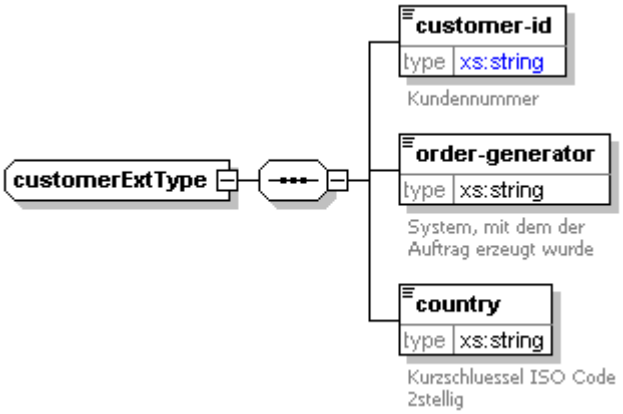
element **purchase-order/order-time**

diagram	
type	**xs:time**
source	<xs:element name="order-time" type="xs:time"/>

element **purchase-order/position**

diagram	
type	**positionType**
children	**consignee commission delivery-date notes quantity pair single frame**
source	<xs:element name="position" type="positionType" maxOccurs="unbounded"/>

complexType **customerExtType**

diagram	
type	restriction of **customerType**
children	**customer-id order-generator country**
used by	element **purchase-order/customer**

source

```
<xs:complexType name="customerExtType">
  <xs:complexContent>
    <xs:restriction base="customerType">
      <xs:sequence>
        <xs:element name="customer-id">
          <xs:annotation>
            <xs:documentation>Kundennummer</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:minLength value="1"/>
              <xs:maxLength value="20"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="order-generator" type="xs:string">
          <xs:annotation>
            <xs:documentation>System, mit dem der Auftrag erzeugt wurde </xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="country" type="xs:string">
          <xs:annotation>
            <xs:documentation>Kurzschluessel ISO Code 2stellig</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
```

element **customerExtType/customer-id**

diagram

type: restriction of **xs:string**

facets:
- minLength 1
- maxLength 20

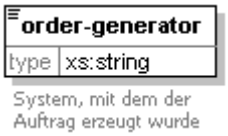
annotation:
- documentation Kundennummer

source

```
<xs:element name="customer-id">
  <xs:annotation>
    <xs:documentation>Kundennummer</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="20"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **customerExtType/order-generator**

diagram



type: **xs:string**

annotation:
- documentation System, mit dem der Auftrag erzeugt wurde

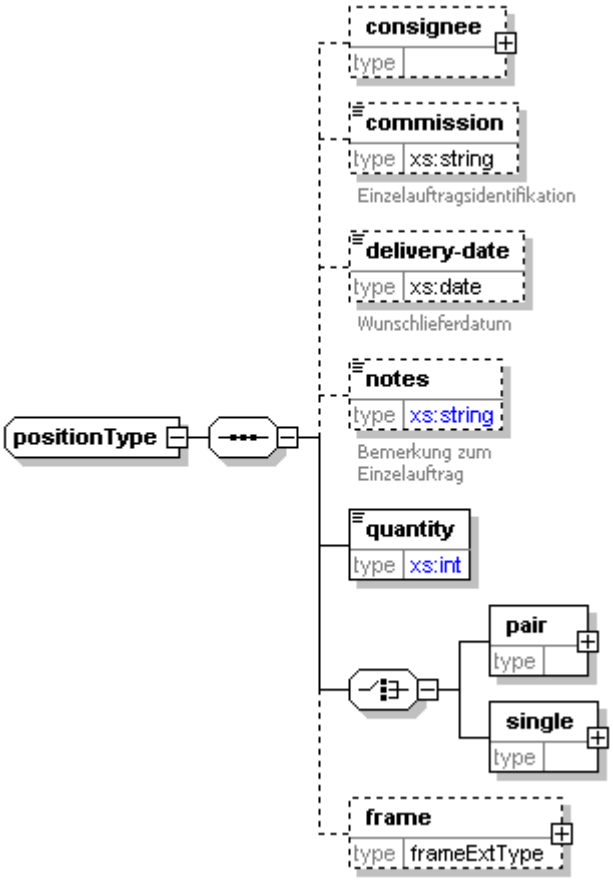
source

```
<xs:element name="order-generator" type="xs:string">
  <xs:annotation>
    <xs:documentation>System, mit dem der Auftrag erzeugt wurde </xs:documentation>
  </xs:annotation>
</xs:element>
```

element **customerExtType/country**

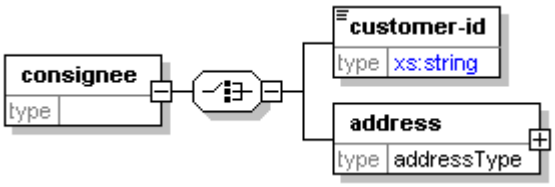
diagram	
type	**xs:string**
annotation	documentation Kurzschluessel ISO Code 2stellig
source	<xs:element name="country" type="xs:string"> <xs:annotation> <xs:documentation>Kurzschluessel ISO Code 2stellig</xs:documentation> </xs:annotation> </xs:element>

complexType **positionType**

diagram	
type	restriction of **salesOrderExtType**
children	**consignee commission delivery-date notes quantity pair single frame**
used by	element **purchase-order/position**
source	<xs:complexType name="positionType"> <xs:complexContent> <xs:restriction base="salesOrderExtType"> <xs:sequence> <xs:element name="consignee" minOccurs="0"> <xs:complexType> <xs:choice> <xs:element name="customer-id"> <xs:simpleType> <xs:restriction base="xs:string">

```
                <xs:minLength value="1"/>
                <xs:maxLength value="20"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="address" type="addressType"/>
        </xs:choice>
      </xs:complexType>
    </xs:element>
    <xs:element name="commission" type="xs:string" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Einzelauftragsidentifikation </xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="delivery-date" type="xs:date" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Wunschlieferdatum</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="notes" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Bemerkung zum Einzelauftrag</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string"/>
      </xs:simpleType>
    </xs:element>
    <xs:element name="quantity">
      <xs:simpleType>
        <xs:restriction base="xs:int">
          <xs:minInclusive value="1"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:choice>
      <xs:element name="pair">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="general" minOccurs="0">
              <xs:complexType>
                <xs:choice>
                  <xs:element name="right" type="generalSideType"/>
                  <xs:element name="left" type="generalSideType"/>
                </xs:choice>
              </xs:complexType>
            </xs:element>
            <xs:element name="right" type="lensType"/>
            <xs:element name="left" type="lensType"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="single">
        <xs:complexType>
          <xs:choice>
            <xs:element name="right" type="lensType"/>
            <xs:element name="left" type="lensType"/>
          </xs:choice>
        </xs:complexType>
      </xs:element>
    </xs:choice>
    <xs:element name="frame" type="frameExtType" minOccurs="0"/>
  </xs:sequence>
 </xs:restriction>
</xs:complexContent>
</xs:complexType>
```

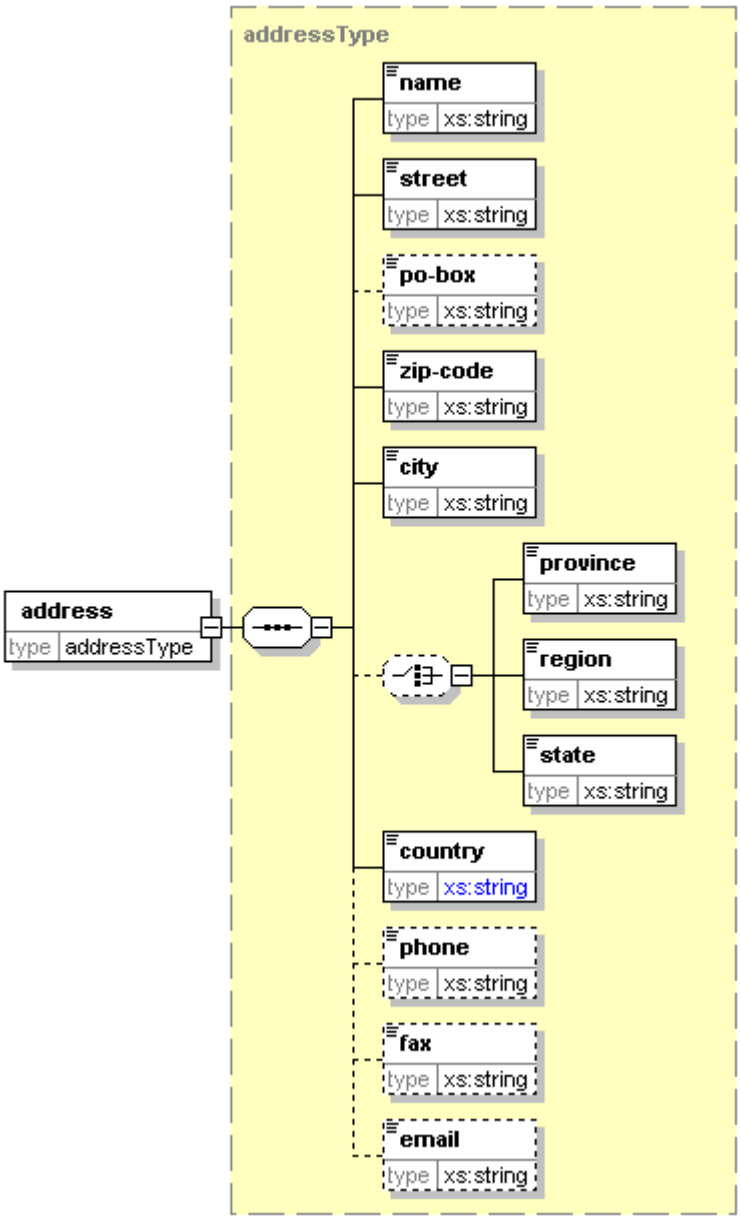
element **positionType/consignee**

diagram	
children	**customer-id address**
source	<xs:element name="consignee" minOccurs="0"> <xs:complexType> <xs:choice> <xs:element name="customer-id"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="20"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="address" type="addressType"/> </xs:choice> </xs:complexType> </xs:element>

element **positionType/consignee/customer-id**

diagram	
type	restriction of **xs:string**
facets	minLength 1 maxLength 20
source	<xs:element name="customer-id"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="20"/> </xs:restriction> </xs:simpleType> </xs:element>

element **positionType/consignee/address**

diagram	
type	**addressType**
children	**name street po-box zip-code city province region state country phone fax email**
source	<xs:element name="address" type="addressType"/>

element **positionType/commission**

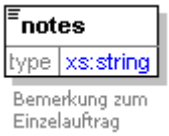
diagram	
type	**xs:string**
annotation	documentation Einzelauftragsidentifikation
source	<xs:element name="commission" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Einzelauftragsidentifikation </xs:documentation>

```
  </xs:annotation>
</xs:element>
```

element **positionType/delivery-date**

diagram	
type	**xs:date**
annotation	documentation Wunschlieferdatum
source	<xs:element name="delivery-date" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Wunschlieferdatum</xs:documentation> </xs:annotation> </xs:element>

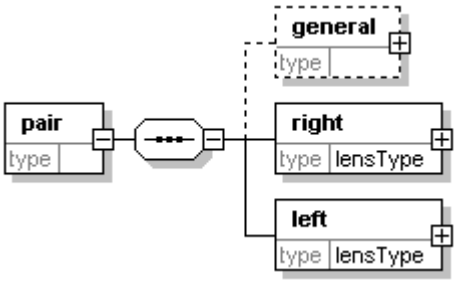
element **positionType/notes**

diagram	
type	restriction of **xs:string**
annotation	documentation Bemerkung zum Einzelauftrag
source	<xs:element name="notes" minOccurs="0"> <xs:annotation> <xs:documentation>Bemerkung zum Einzelauftrag</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"/> </xs:simpleType> </xs:element>

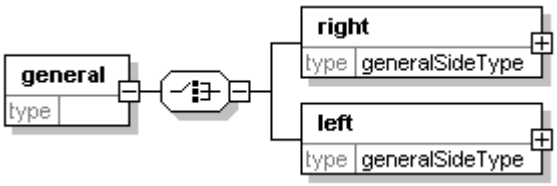
element **positionType/quantity**

diagram	
type	restriction of **xs:int**
facets	minInclusive 1
source	<xs:element name="quantity"> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType> </xs:element>

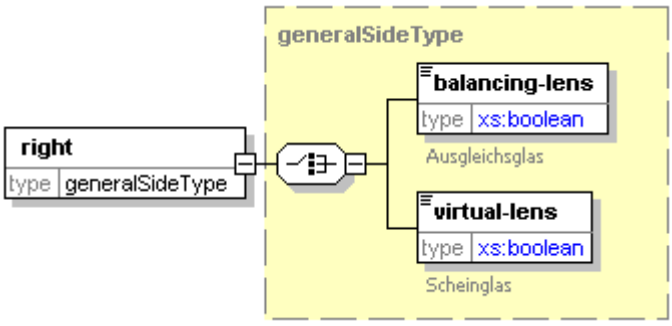
element **positionType/pair**

diagram	
children	**general right left**
source	<xs:element name="pair"> <xs:complexType> <xs:sequence> <xs:element name="general" minOccurs="0"> <xs:complexType> <xs:choice> <xs:element name="right" type="generalSideType"/> <xs:element name="left" type="generalSideType"/> </xs:choice> </xs:complexType> </xs:element> <xs:element name="right" type="lensType"/> <xs:element name="left" type="lensType"/> </xs:sequence> </xs:complexType> </xs:element>

element **positionType/pair/general**

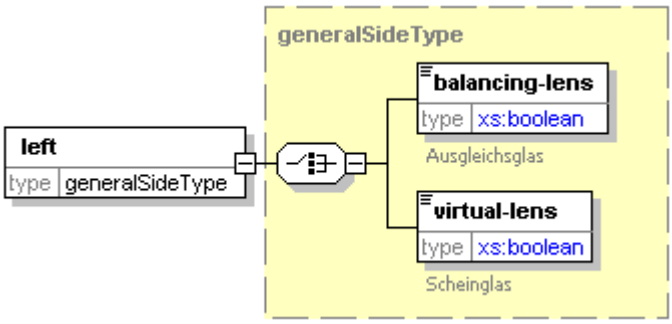
diagram	
children	**right left**
source	<xs:element name="general" minOccurs="0"> <xs:complexType> <xs:choice> <xs:element name="right" type="generalSideType"/> <xs:element name="left" type="generalSideType"/> </xs:choice> </xs:complexType> </xs:element>

element **positionType/pair/general/right**

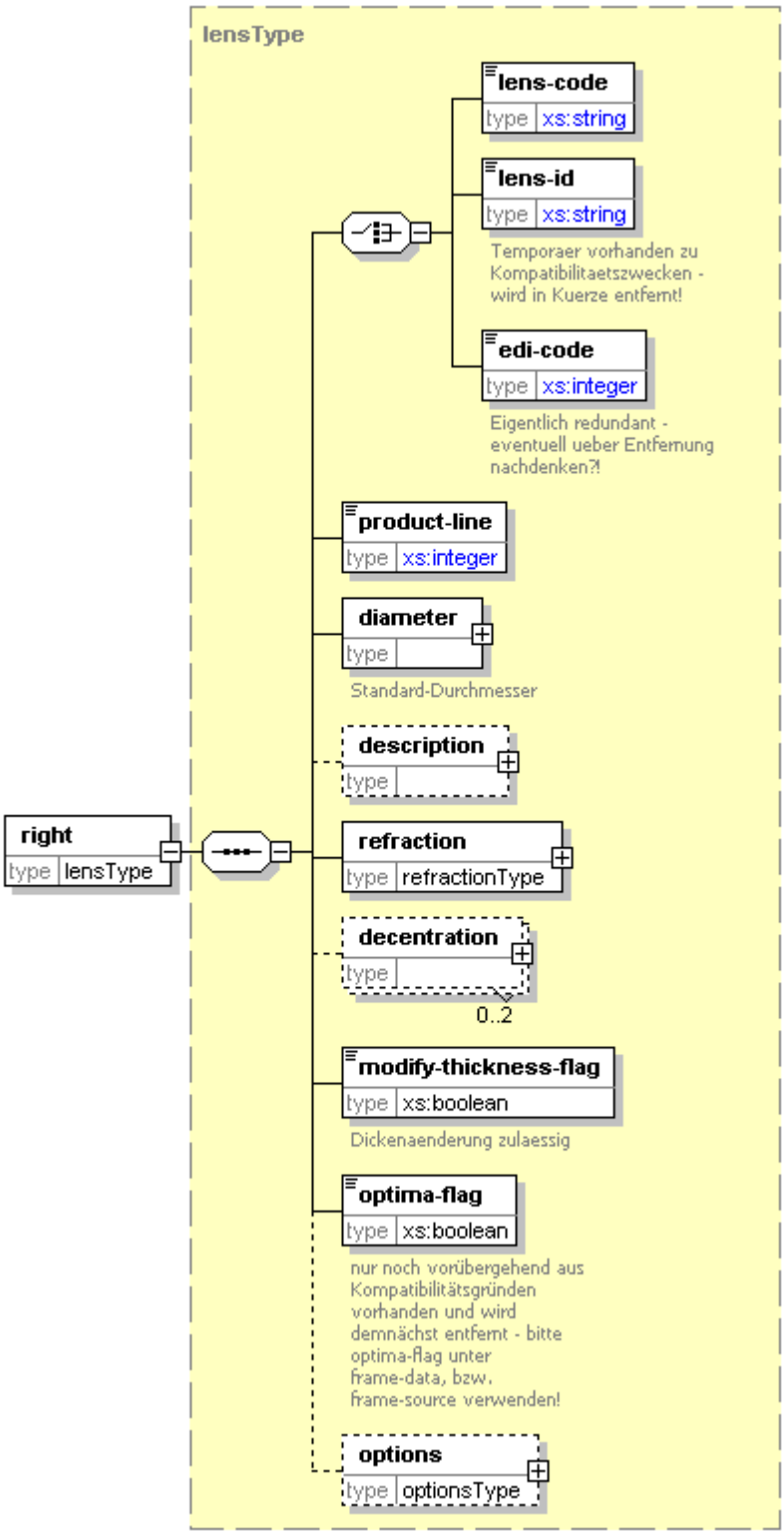
diagram	

type	**generalSideType**
children	**balancing-lens** **virtual-lens**
source	<xs:element name="right" type="generalSideType"/>

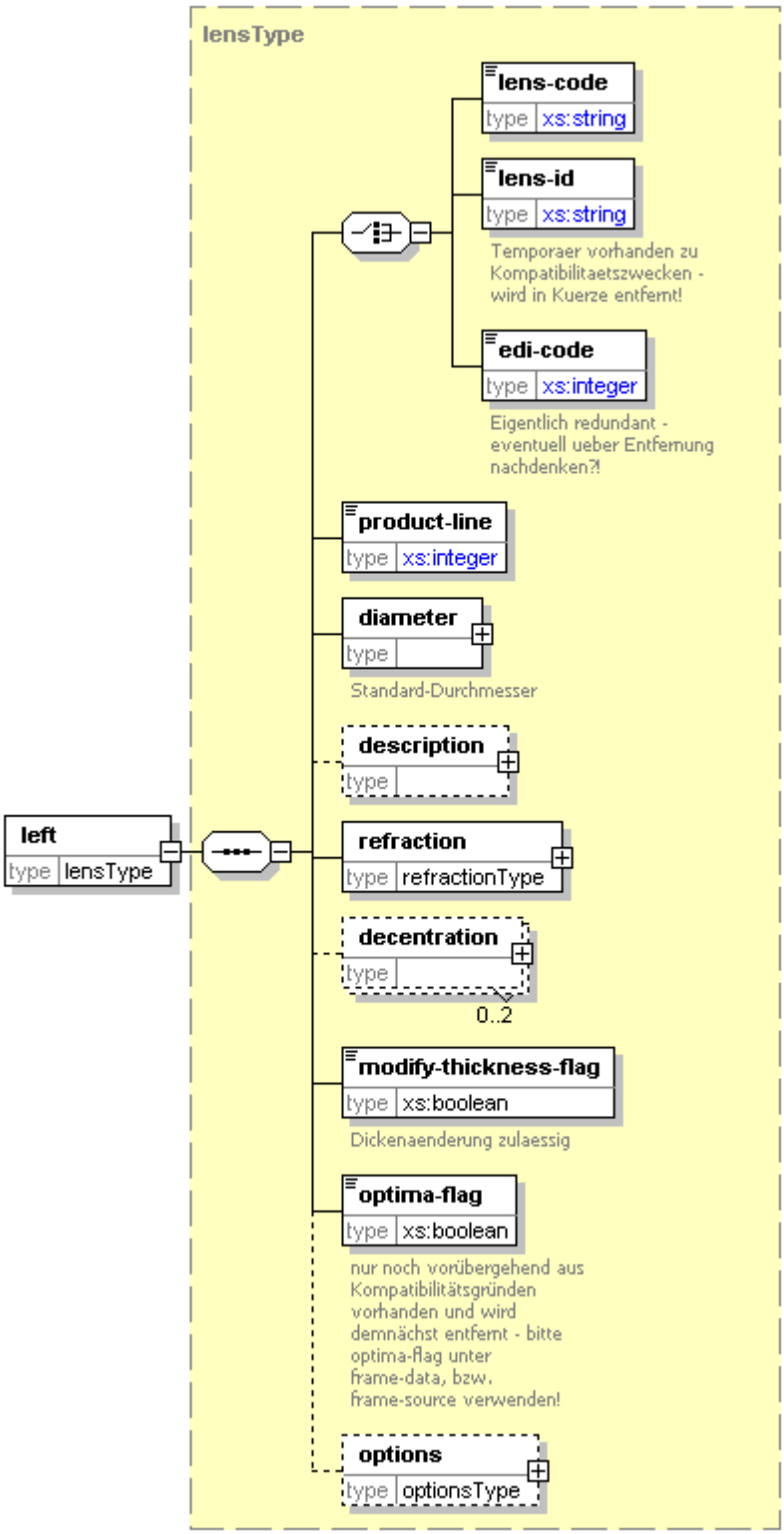
element **positionType/pair/general/left**

diagram	
type	**generalSideType**
children	**balancing-lens** **virtual-lens**
source	<xs:element name="left" type="generalSideType"/>

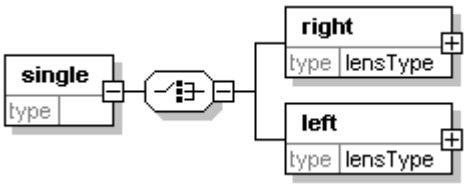
element **positionType/pair/right**

diagram	
type	lensType
children	lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options
source	<xs:element name="right" type="lensType"/>

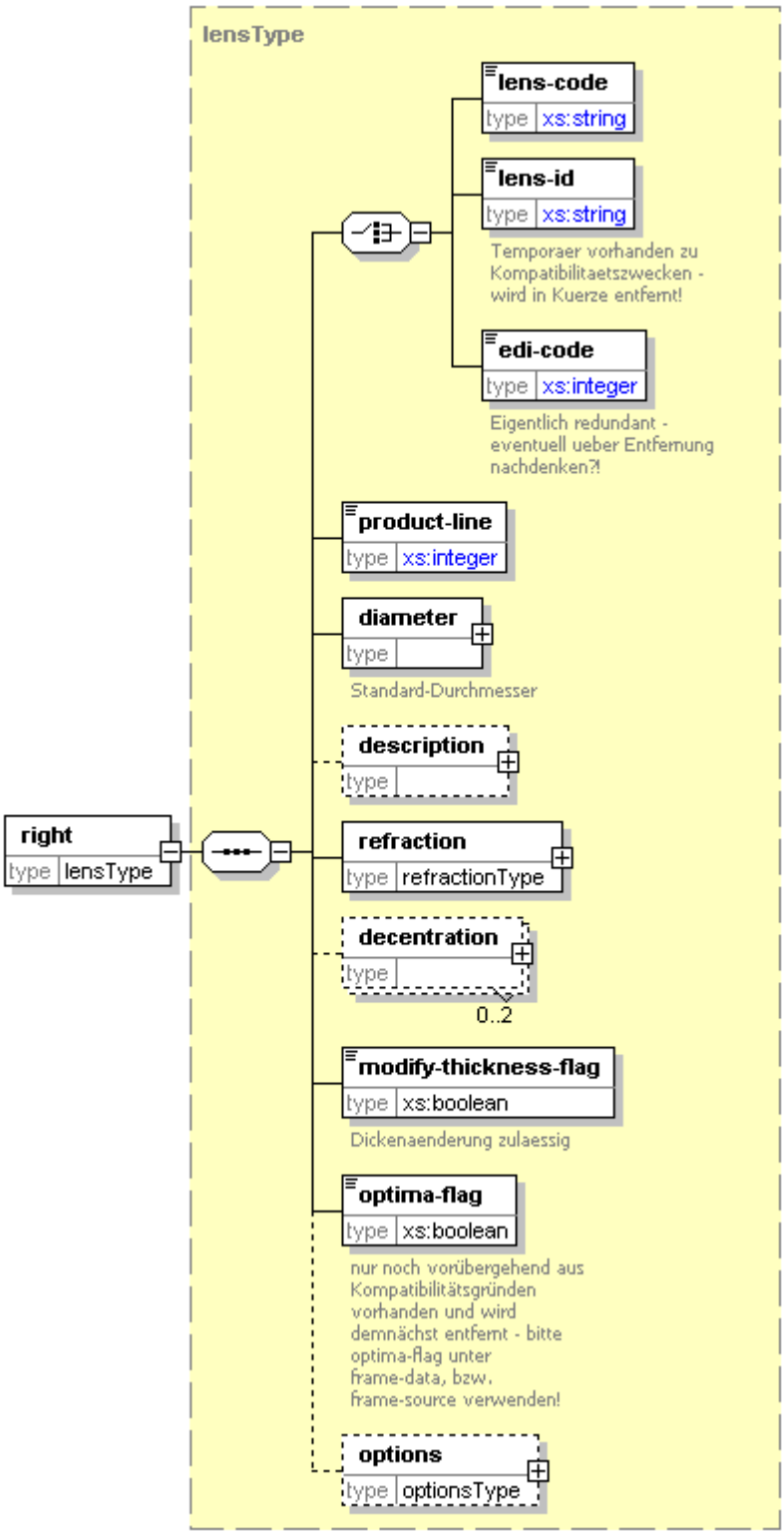
element **positionType/pair/left**

diagram	
type	lensType
children	lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options
source	<xs:element name="left" type="lensType"/>

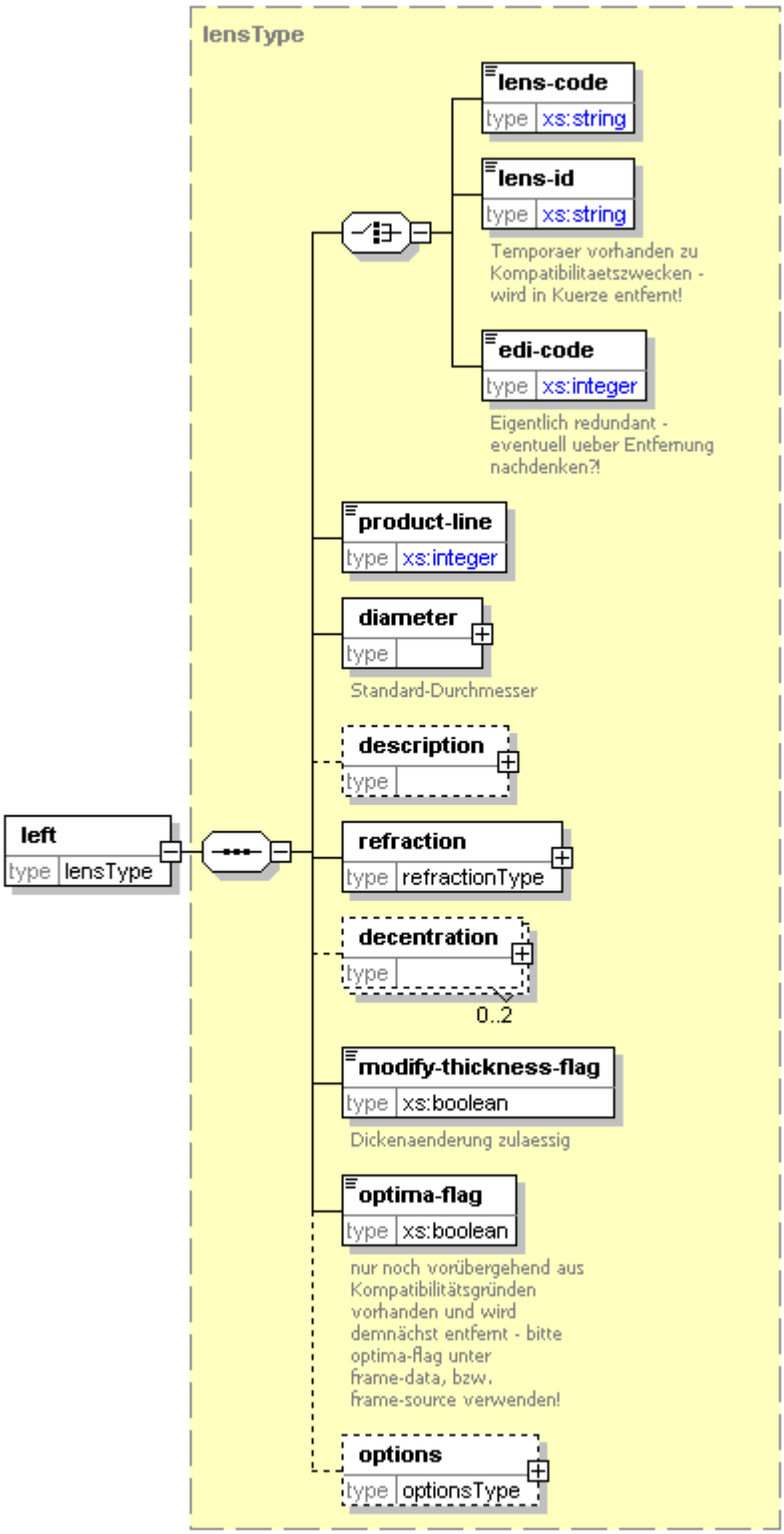
element **positionType/single**

diagram	
children	**right** **left**
source	<xs:element name="single"> <xs:complexType> <xs:choice> <xs:element name="right" type="lensType"/> <xs:element name="left" type="lensType"/> </xs:choice> </xs:complexType> </xs:element>

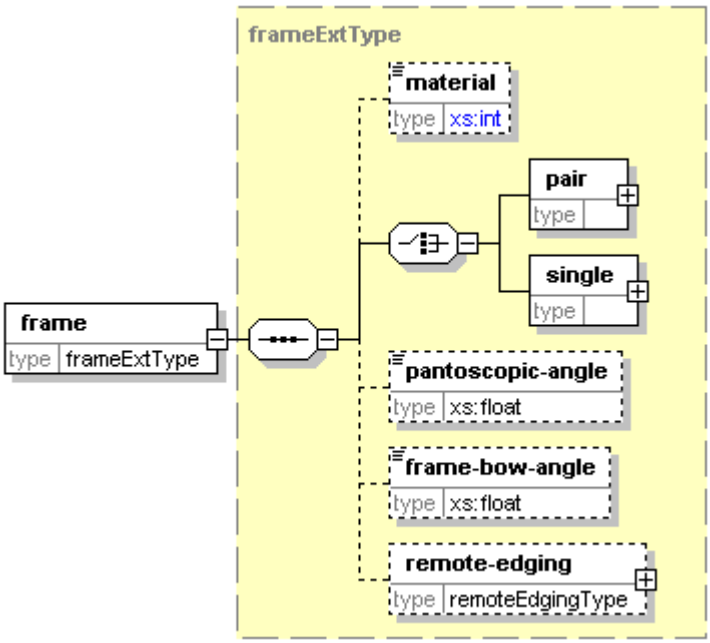
element **positionType/single/right**

diagram	
type	lensType
children	lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options
source	<xs:element name="right" type="lensType"/>

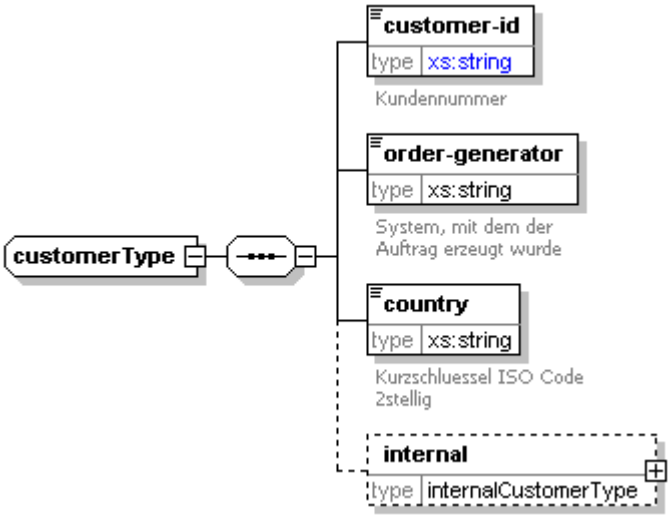
element **positionType/single/left**

diagram	
type	lensType
children	lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options
source	<xs:element name="left" type="lensType"/>

element **positionType/frame**

diagram	
type	**frameExtType**
children	**material** **pair** **single** **pantoscopic-angle** **frame-bow-angle** **remote-edging**
source	<xs:element name="frame" type="frameExtType" minOccurs="0"/>

complexType **customerType**

diagram	
children	**customer-id** **order-generator** **country** **internal**
used by	elements **salesOrderExtType/customer** **salesOrderType/customer** complexType **customerExtType**
source	<xs:complexType name="customerType"> <xs:sequence> <xs:element name="customer-id"> <xs:annotation> <xs:documentation>Kundennummer</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="20"/>

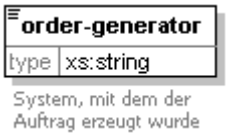
```
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="order-generator" type="xs:string">
    <xs:annotation>
      <xs:documentation>System, mit dem der Auftrag erzeugt wurde </xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="country" type="xs:string">
    <xs:annotation>
      <xs:documentation>Kurzschluessel ISO Code 2stellig</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="internal" type="internalCustomerType" minOccurs="0"/>
 </xs:sequence>
</xs:complexType>
```

element **customerType/customer-id**

diagram	
type	restriction of **xs:string**
facets	minLength 1 maxLength 20
annotation	documentation Kundennummer

source	`<xs:element name="customer-id">`
	`  <xs:annotation>`
	`  <xs:documentation>Kundennummer</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="20"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **customerType/order-generator**

diagram	
type	**xs:string**
annotation	documentation System, mit dem der Auftrag erzeugt wurde

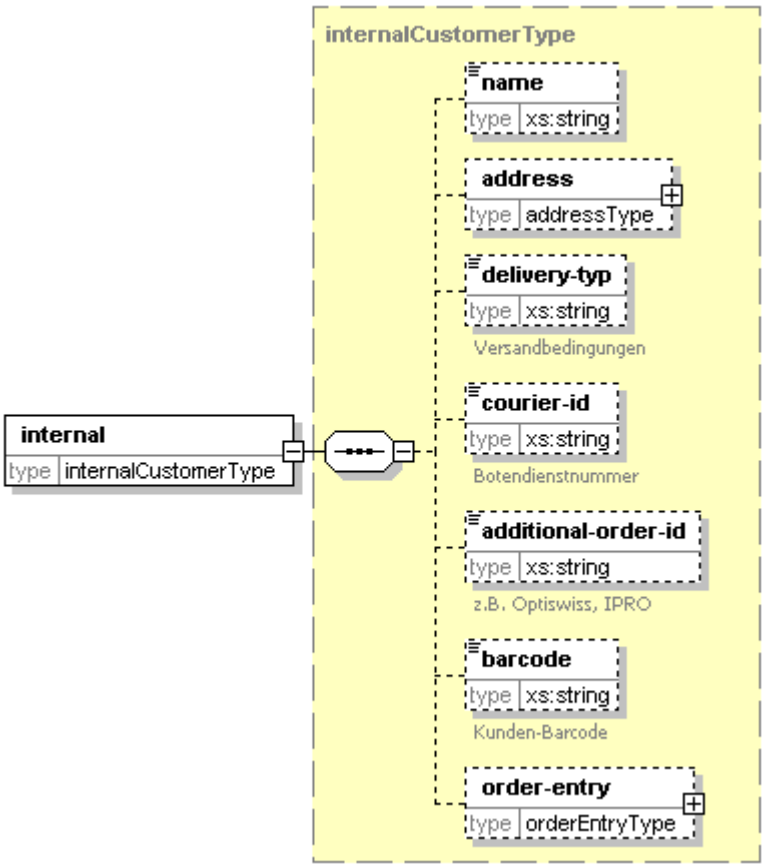
source	`<xs:element name="order-generator" type="xs:string">`
	`  <xs:annotation>`
	`  <xs:documentation>System, mit dem der Auftrag erzeugt wurde </xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **customerType/country**

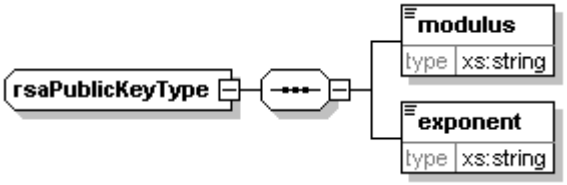
diagram	
type	**xs:string**

annotation	documentation Kurzschluessel ISO Code 2stellig
source	<xs:element name="country" type="xs:string"> <xs:annotation> <xs:documentation>Kurzschluessel ISO Code 2stellig</xs:documentation> </xs:annotation> </xs:element>

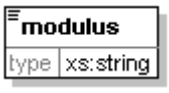
element **customerType/internal**

diagram	
type	**internalCustomerType**
children	**name address delivery-typ courier-id additional-order-id barcode order-entry**
source	<xs:element name="internal" type="internalCustomerType" minOccurs="0"/>

complexType **rsaPublicKeyType**

diagram	
children	**modulus exponent**
source	<xs:complexType name="rsaPublicKeyType"> <xs:sequence> <xs:element name="modulus" type="xs:string"/> <xs:element name="exponent" type="xs:string"/> </xs:sequence> </xs:complexType>

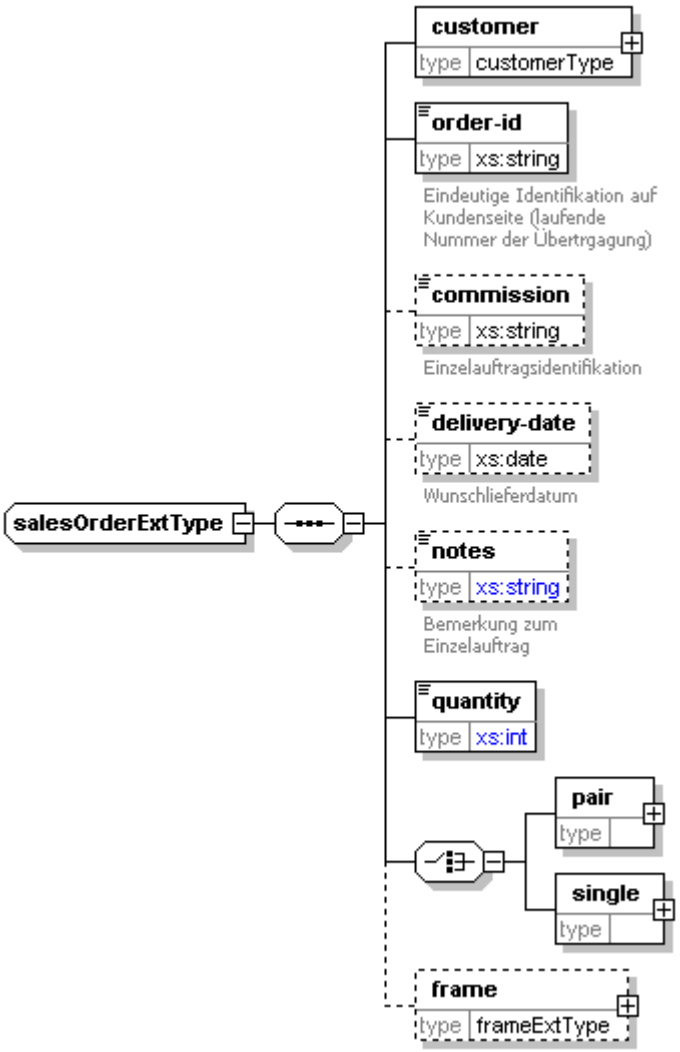
element **rsaPublicKeyType/modulus**

diagram	
type	**xs:string**
source	<xs:element name="modulus" type="xs:string"/>

element **rsaPublicKeyType/exponent**

diagram	
type	**xs:string**
source	<xs:element name="exponent" type="xs:string"/>

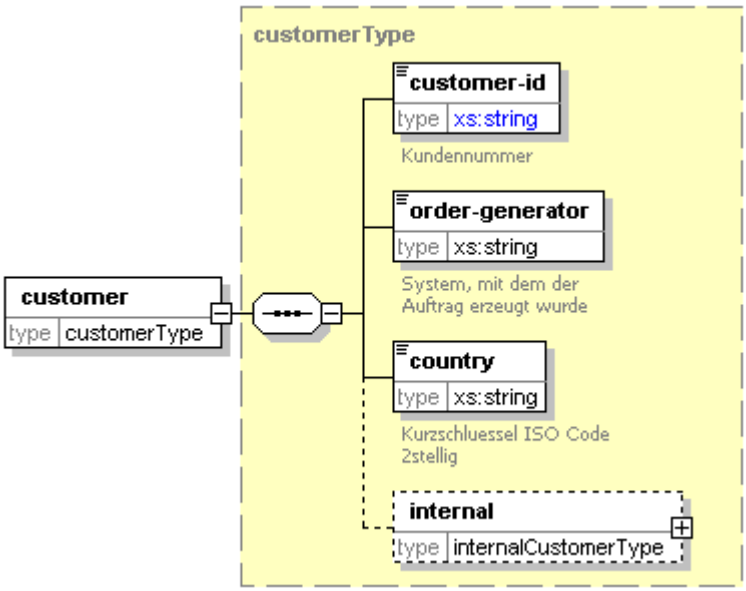
complexType **salesOrderExtType**

diagram	
type	restriction of **salesOrderType**
children	**customer** **order-id** **commission** **delivery-date** **notes** **quantity** **pair** **single** **frame**
used by	complexType **positionType**

source

```
<xs:complexType name="salesOrderExtType">
 <xs:complexContent>
  <xs:restriction base="salesOrderType">
   <xs:sequence>
    <xs:element name="customer" type="customerType"/>
    <xs:element name="order-id" type="xs:string">
     <xs:annotation>
      <xs:documentation>Eindeutige Identifikation auf Kundenseite (laufende Nummer der
Übertrgagung)</xs:documentation>
     </xs:annotation>
    </xs:element>
    <xs:element name="commission" type="xs:string" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Einzelauftragsidentifikation </xs:documentation>
     </xs:annotation>
    </xs:element>
    <xs:element name="delivery-date" type="xs:date" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Wunschlieferdatum</xs:documentation>
     </xs:annotation>
    </xs:element>
    <xs:element name="notes" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Bemerkung zum Einzelauftrag</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string"/>
     </xs:simpleType>
    </xs:element>
    <xs:element name="quantity">
     <xs:simpleType>
      <xs:restriction base="xs:int">
       <xs:minInclusive value="1"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:choice>
     <xs:element name="pair">
      <xs:complexType>
       <xs:sequence>
        <xs:element name="general" minOccurs="0">
         <xs:complexType>
          <xs:choice>
           <xs:element name="right" type="generalSideType"/>
           <xs:element name="left" type="generalSideType"/>
          </xs:choice>
         </xs:complexType>
        </xs:element>
        <xs:element name="right" type="lensType"/>
        <xs:element name="left" type="lensType"/>
       </xs:sequence>
      </xs:complexType>
     </xs:element>
     <xs:element name="single">
      <xs:complexType>
       <xs:choice>
        <xs:element name="right" type="lensType"/>
        <xs:element name="left" type="lensType"/>
       </xs:choice>
      </xs:complexType>
     </xs:element>
    </xs:choice>
    <xs:element name="frame" type="frameExtType" minOccurs="0"/>
   </xs:sequence>
  </xs:restriction>
 </xs:complexContent>
</xs:complexType>
```

element **salesOrderExtType/customer**

diagram	
type	**customerType**
children	**customer-id** **order-generator** **country** **internal**
source	<xs:element name="customer" type="customerType"/>

element **salesOrderExtType/order-id**

diagram	
type	**xs:string**
annotation	documentation Eindeutige Identifikation auf Kundenseite (laufende Nummer der Übertrgagung)
source	<xs:element name="order-id" type="xs:string"> <xs:annotation> <xs:documentation>Eindeutige Identifikation auf Kundenseite (laufende Nummer der Übertrgagung)</xs:documentation> </xs:annotation> </xs:element>

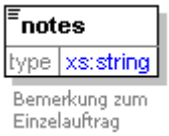
element **salesOrderExtType/commission**

diagram	
type	**xs:string**
annotation	documentation Einzelauftragsidentifikation
source	<xs:element name="commission" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Einzelauftragsidentifikation </xs:documentation> </xs:annotation> </xs:element>

element **salesOrderExtType/delivery-date**

diagram	
type	**xs:date**
annotation	documentation Wunschlieferdatum
source	<xs:element name="delivery-date" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Wunschlieferdatum</xs:documentation> </xs:annotation> </xs:element>

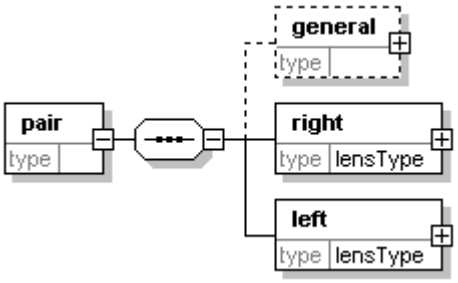
element **salesOrderExtType/notes**

diagram	
type	restriction of **xs:string**
annotation	documentation Bemerkung zum Einzelauftrag
source	<xs:element name="notes" minOccurs="0"> <xs:annotation> <xs:documentation>Bemerkung zum Einzelauftrag</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"/> </xs:simpleType> </xs:element>

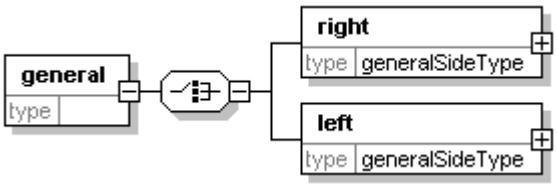
element **salesOrderExtType/quantity**

diagram	
type	restriction of **xs:int**
facets	minInclusive 1
source	<xs:element name="quantity"> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType> </xs:element>

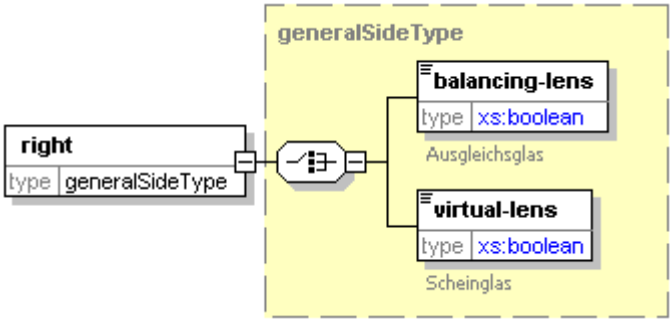
element **salesOrderExtType/pair**

diagram	
children	**general** **right** **left**
source	<xs:element name="pair"> <xs:complexType> <xs:sequence> <xs:element name="general" minOccurs="0"> <xs:complexType> <xs:choice> <xs:element name="right" type="generalSideType"/> <xs:element name="left" type="generalSideType"/> </xs:choice> </xs:complexType> </xs:element> <xs:element name="right" type="lensType"/> <xs:element name="left" type="lensType"/> </xs:sequence> </xs:complexType> </xs:element>

element **salesOrderExtType/pair/general**

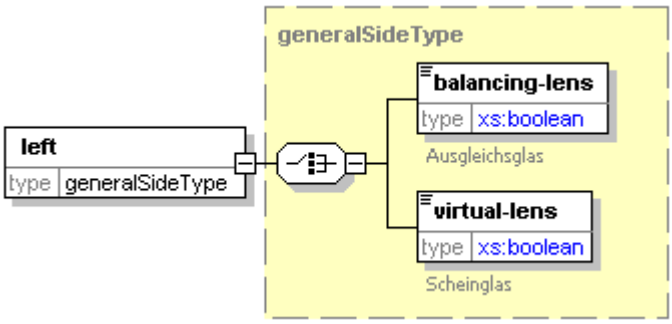
diagram	
children	**right** **left**
source	<xs:element name="general" minOccurs="0"> <xs:complexType> <xs:choice> <xs:element name="right" type="generalSideType"/> <xs:element name="left" type="generalSideType"/> </xs:choice> </xs:complexType> </xs:element>

element **salesOrderExtType/pair/general/right**

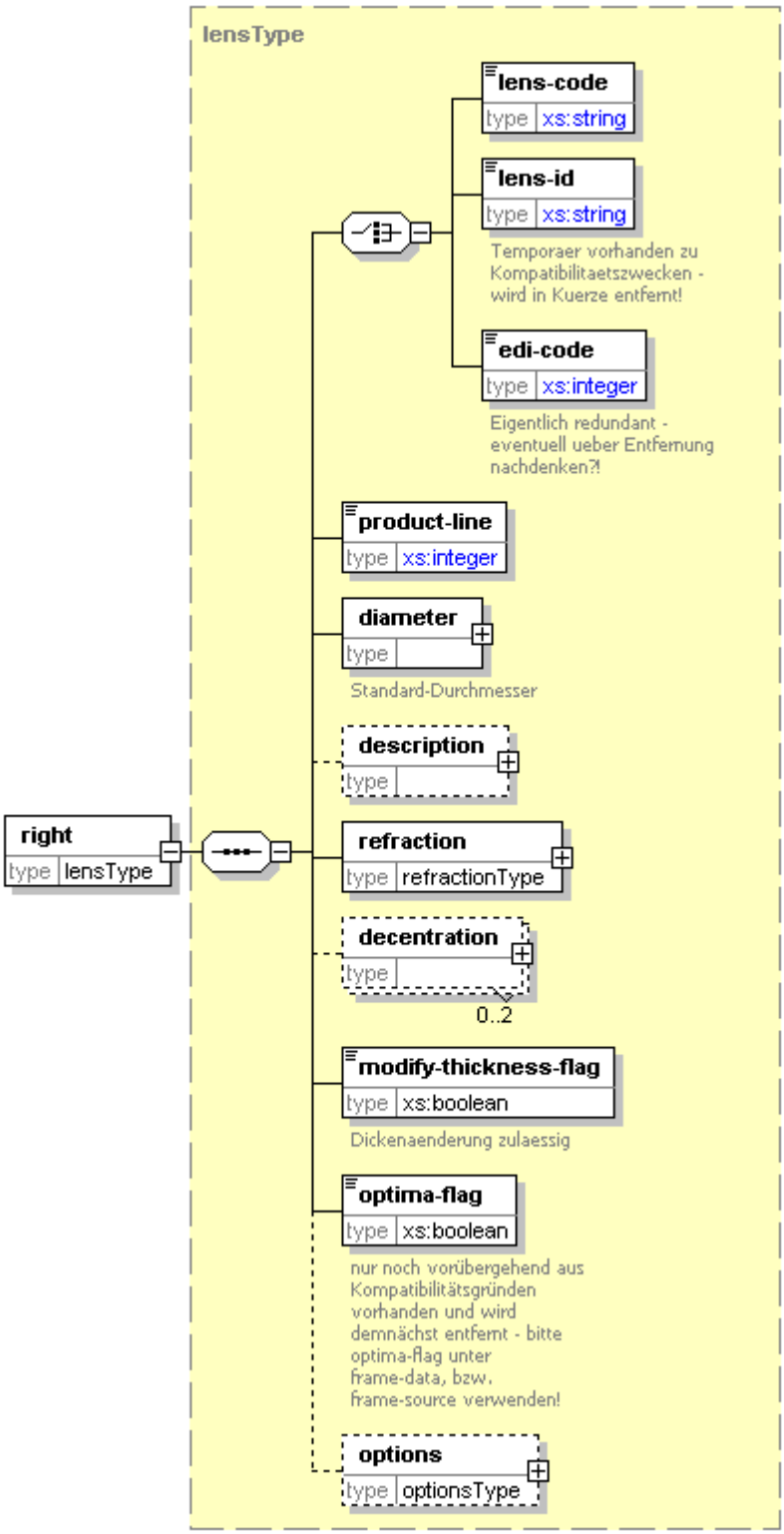
diagram	

type	**generalSideType**
children	**balancing-lens** **virtual-lens**
source	<xs:element name="right" type="generalSideType"/>

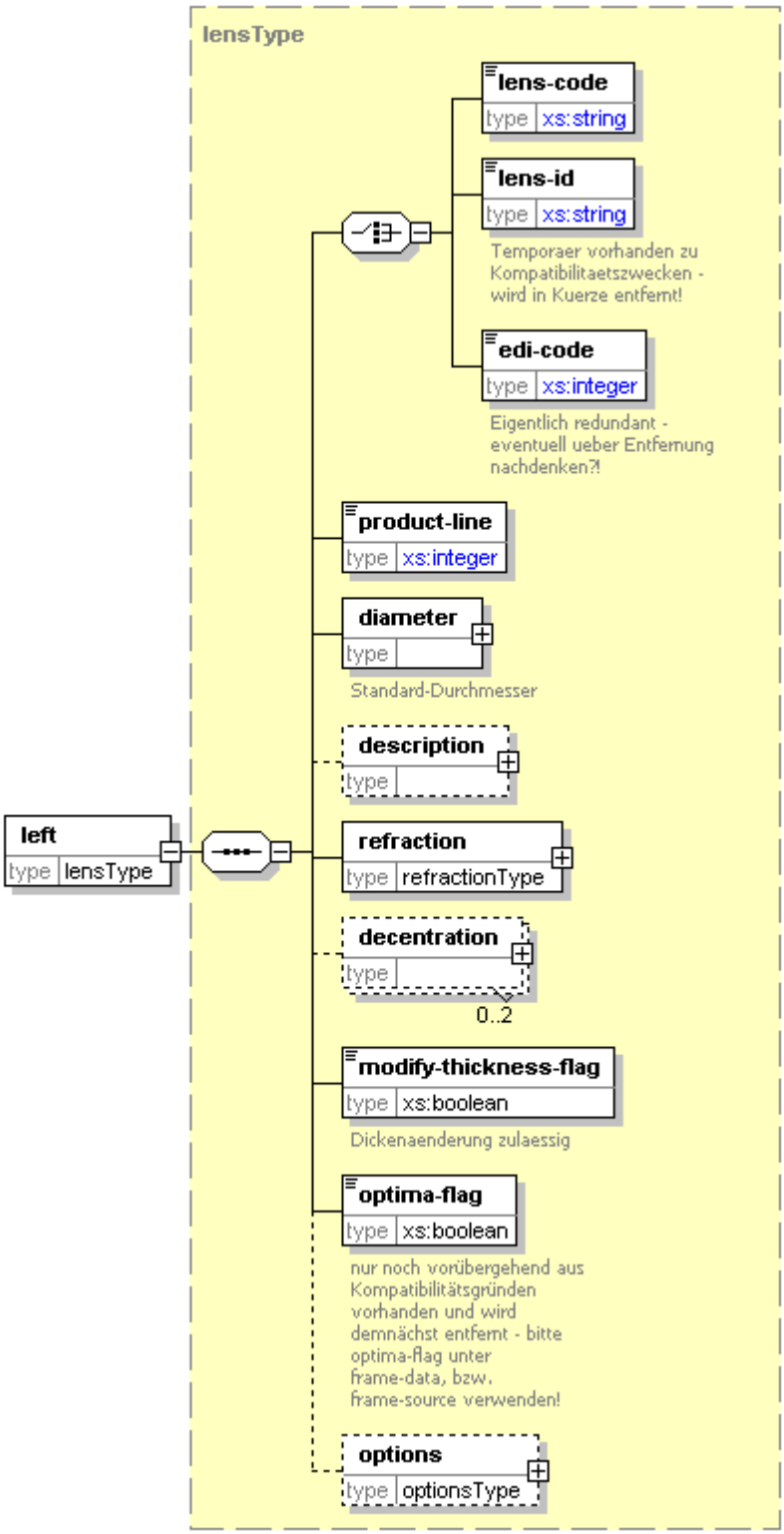
element **salesOrderExtType/pair/general/left**

diagram	
type	**generalSideType**
children	**balancing-lens** **virtual-lens**
source	<xs:element name="left" type="generalSideType"/>

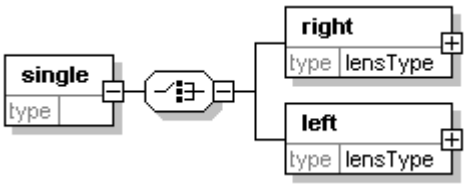
element **salesOrderExtType/pair/right**

diagram	
type	lensType
children	lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options
source	<xs:element name="right" type="lensType"/>

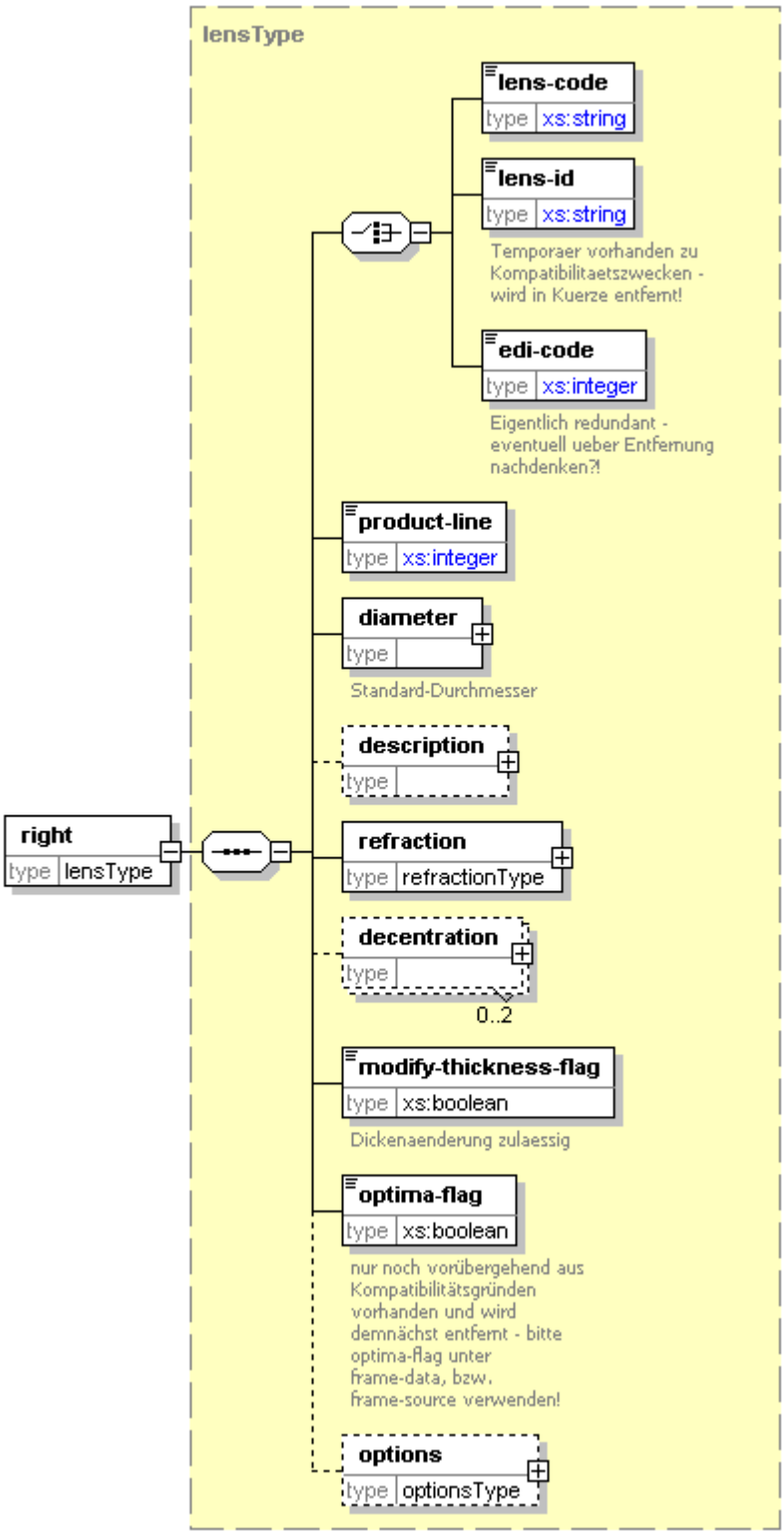
element **salesOrderExtType/pair/left**

diagram	
type	lensType
children	lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options
source	<xs:element name="left" type="lensType"/>

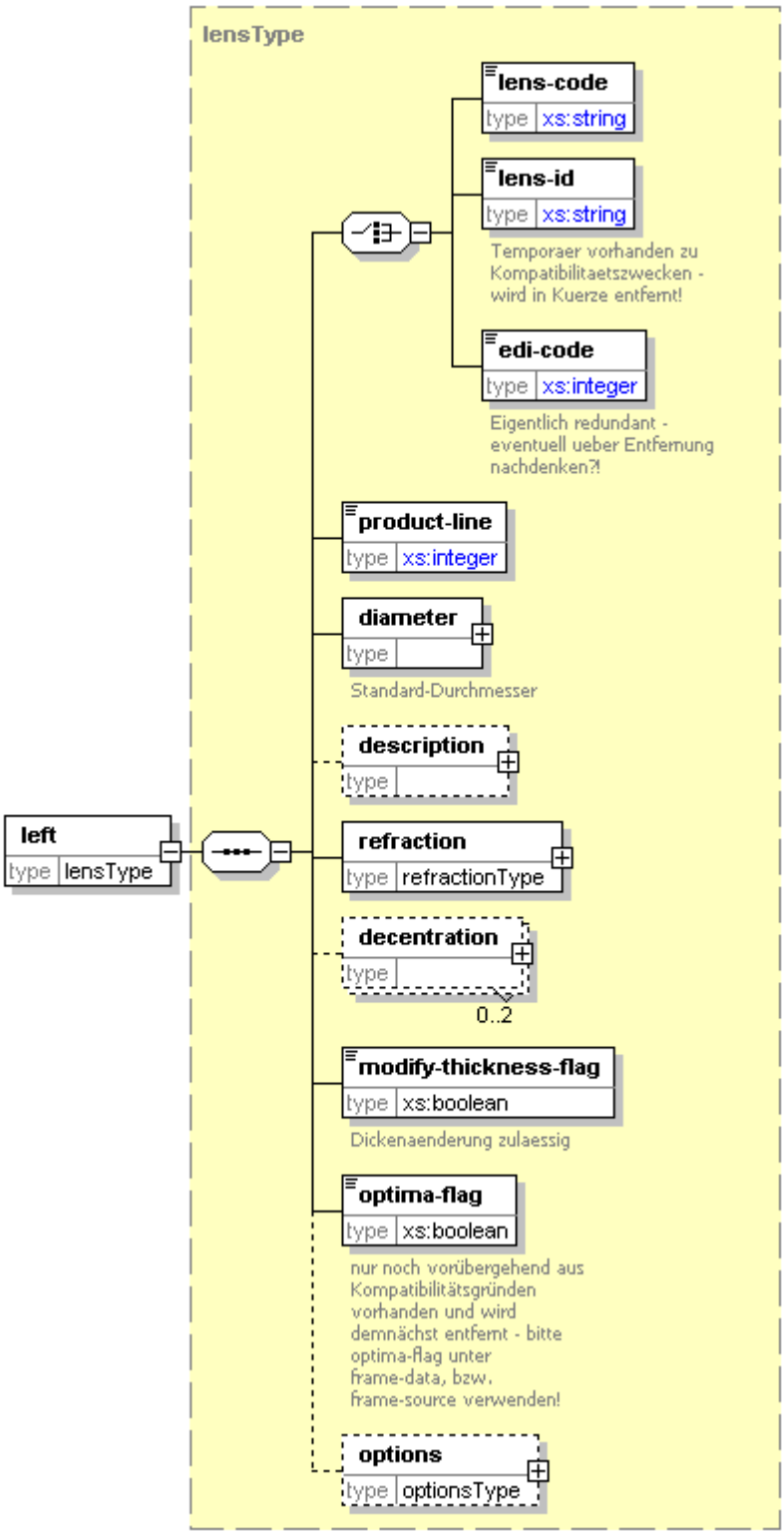
element **salesOrderExtType/single**

diagram	
children	**right** **left**
source	<xs:element name="single"> <xs:complexType> <xs:choice> <xs:element name="right" type="lensType"/> <xs:element name="left" type="lensType"/> </xs:choice> </xs:complexType> </xs:element>

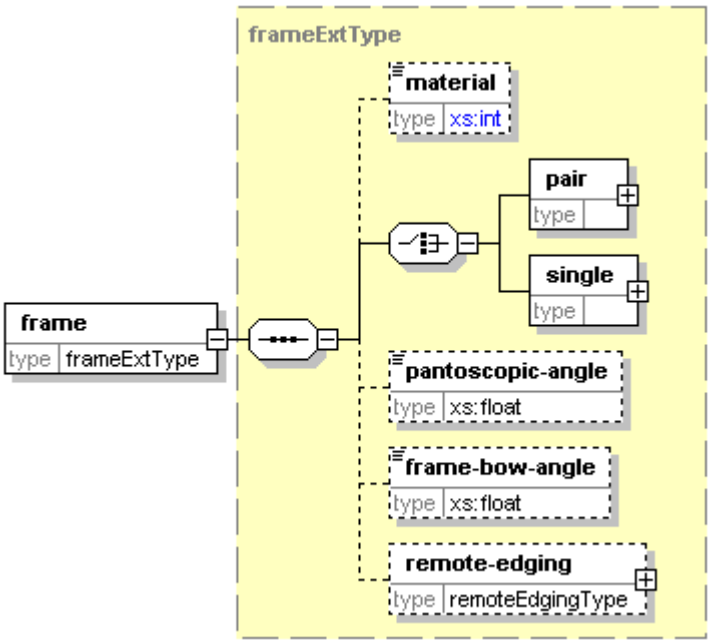
element **salesOrderExtType/single/right**

diagram	
type	lensType
children	lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options
source	<xs:element name="right" type="lensType"/>

element **salesOrderExtType/single/left**

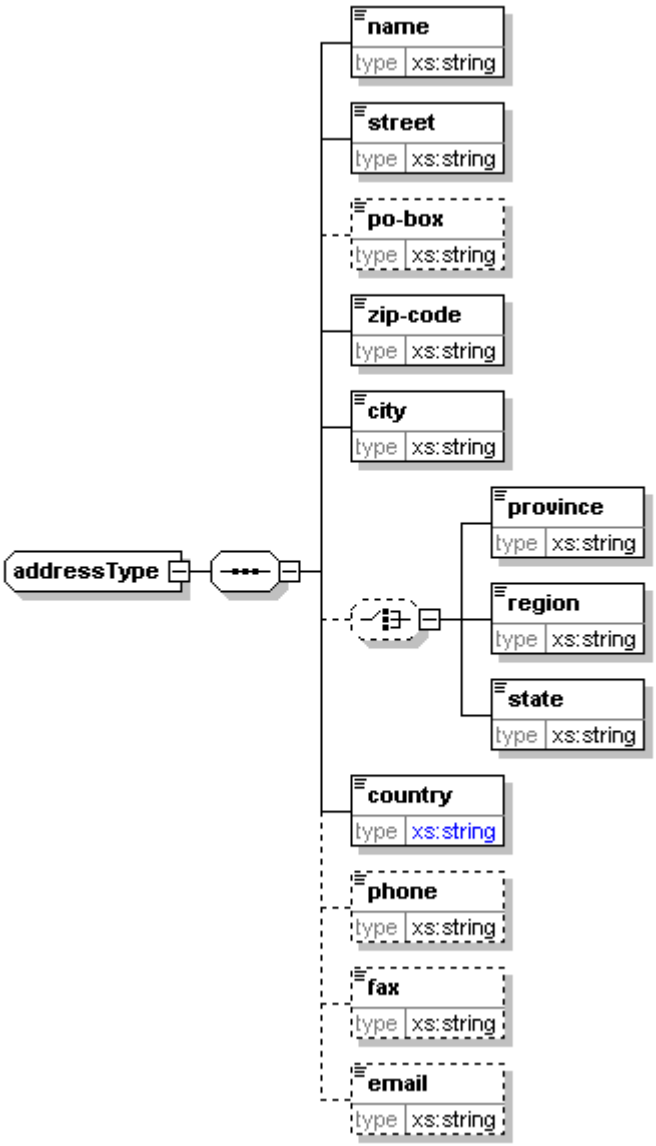
diagram	
type	lensType
children	lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options
source	<xs:element name="left" type="lensType"/>

element **salesOrderExtType/frame**

diagram	
type	**frameExtType**
children	**material pair single pantoscopic-angle frame-bow-angle remote-edging**
source	<xs:element name="frame" type="frameExtType" minOccurs="0"/>

complexType **addressType**

diagram



children **name street po-box zip-code city province region state country phone fax email**

used by elements **positionType/consignee/address internalCustomerType/address**

source

```
<xs:complexType name="addressType">
  <xs:sequence>
    <xs:element name="name" type="xs:string"/>
    <xs:element name="street" type="xs:string"/>
    <xs:element name="po-box" type="xs:string" minOccurs="0"/>
    <xs:element name="zip-code" type="xs:string"/>
    <xs:element name="city" type="xs:string"/>
    <xs:choice minOccurs="0">
      <xs:element name="province" type="xs:string"/>
      <xs:element name="region" type="xs:string"/>
      <xs:element name="state" type="xs:string"/>
    </xs:choice>
    <xs:element name="country">
      <xs:complexType>
        <xs:simpleContent>
          <xs:extension base="xs:string">
            <xs:attribute name="iso-code" type="xs:string" use="optional"/>
          </xs:extension>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
```

	<xs:element name="phone" type="xs:string" minOccurs="0"/> <xs:element name="fax" type="xs:string" minOccurs="0"/> <xs:element name="email" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType>

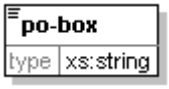
element **addressType/name**

diagram	
type	**xs:string**
source	<xs:element name="name" type="xs:string"/>

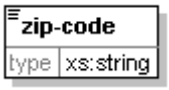
element **addressType/street**

diagram	
type	**xs:string**
source	<xs:element name="street" type="xs:string"/>

element **addressType/po-box**

diagram	
type	**xs:string**
source	<xs:element name="po-box" type="xs:string" minOccurs="0"/>

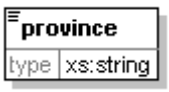
element **addressType/zip-code**

diagram	
type	**xs:string**
source	<xs:element name="zip-code" type="xs:string"/>

element **addressType/city**

diagram	
type	**xs:string**
source	<xs:element name="city" type="xs:string"/>

element **addressType/province**

diagram	
type	**xs:string**

source	<xs:element name="province" type="xs:string"/>

element **addressType/region**

diagram	
type	**xs:string**
source	<xs:element name="region" type="xs:string"/>

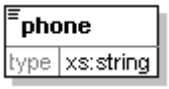
element **addressType/state**

diagram	
type	**xs:string**
source	<xs:element name="state" type="xs:string"/>

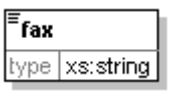
element **addressType/country**

diagram	
type	extension of **xs:string**
attributes	Name: iso-code; Type: xs:string; Use: optional; Default: ; Fixed: ; Annotation:
source	<xs:element name="country"> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="iso-code" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element>

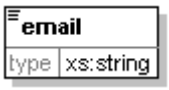
element **addressType/phone**

diagram	
type	**xs:string**
source	<xs:element name="phone" type="xs:string" minOccurs="0"/>

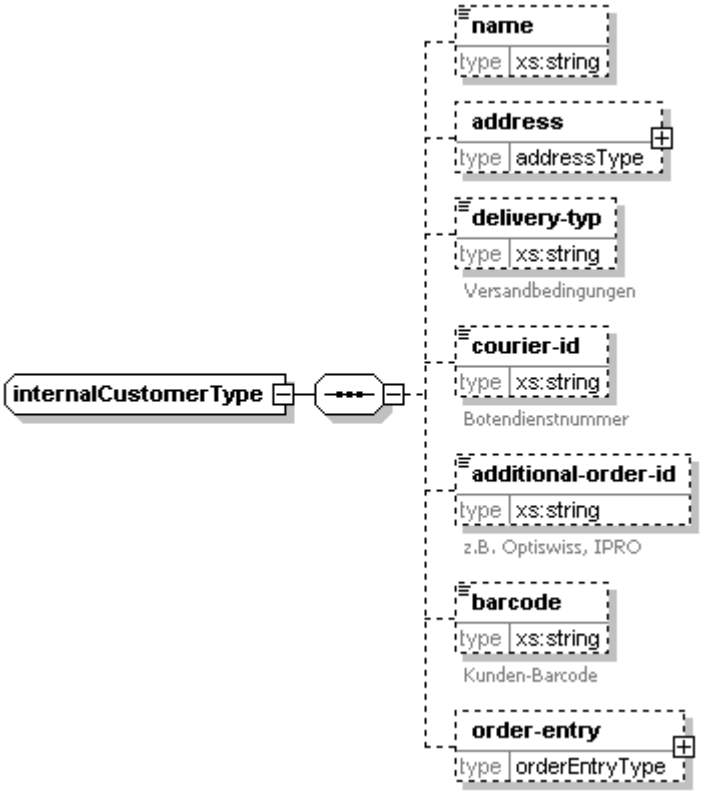
element **addressType/fax**

diagram	
type	**xs:string**
source	<xs:element name="fax" type="xs:string" minOccurs="0"/>

element **addressType/email**

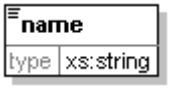
diagram	
type	**xs:string**
source	<xs:element name="email" type="xs:string" minOccurs="0"/>

complexType **internalCustomerType**

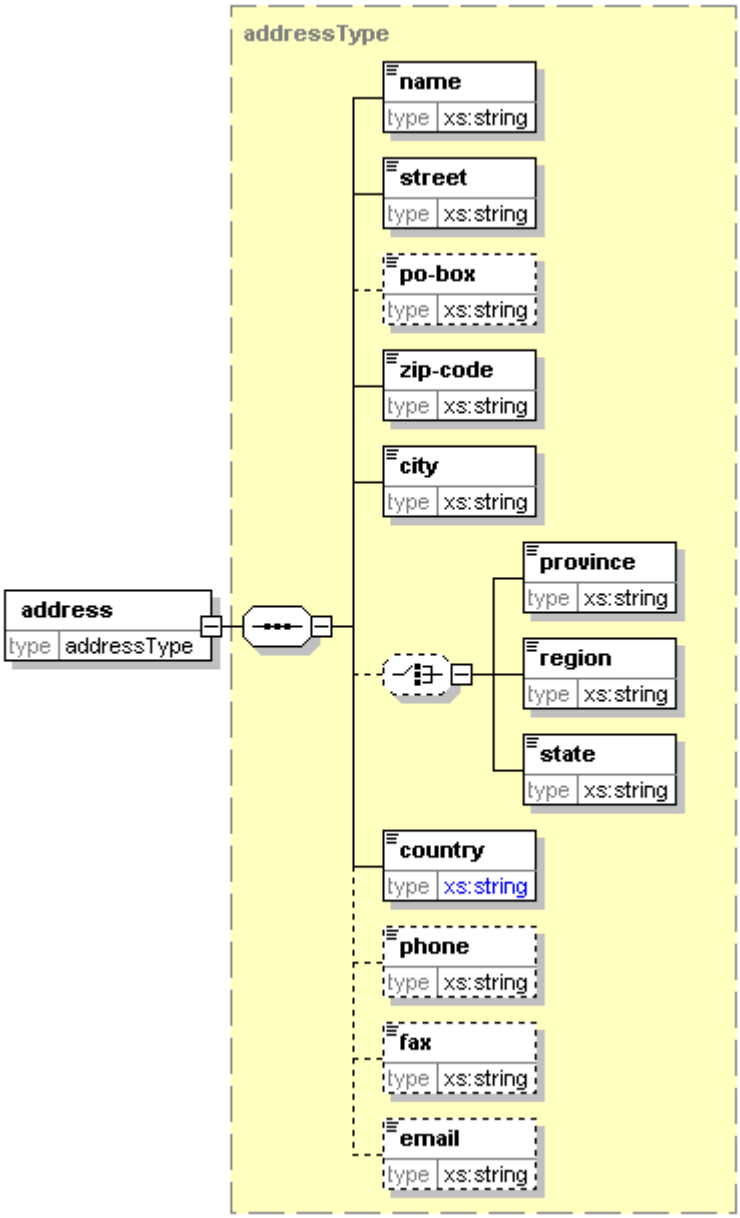
diagram	
children	**name address delivery-typ courier-id additional-order-id barcode order-entry**
used by	element **customerType/internal**
source	<xs:complexType name="internalCustomerType"> <xs:sequence> <xs:element name="name" type="xs:string" minOccurs="0"/> <xs:element name="address" type="addressType" minOccurs="0"/> <xs:element name="delivery-typ" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Versandbedingungen</xs:documentation> </xs:annotation> </xs:element> <xs:element name="courier-id" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Botendienstnummer</xs:documentation> </xs:annotation> </xs:element> <xs:element name="additional-order-id" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>z.B. Optiswiss, IPRO</xs:documentation> </xs:annotation> </xs:element> <xs:element name="barcode" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Kunden-Barcode</xs:documentation> </xs:annotation> </xs:element>

	<xs:element name="order-entry" type="orderEntryType" minOccurs="0"/> </xs:sequence> </xs:complexType>

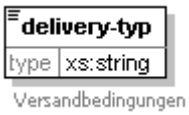
element **internalCustomerType/name**

diagram	
type	**xs:string**
source	<xs:element name="name" type="xs:string" minOccurs="0"/>

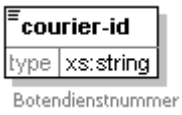
element **internalCustomerType/address**

diagram	
type	**addressType**
children	**name street po-box zip-code city province region state country phone fax email**
source	<xs:element name="address" type="addressType" minOccurs="0"/>

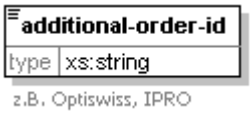
element **internalCustomerType/delivery-typ**

diagram	
type	**xs:string**
annotation	documentation Versandbedingungen
source	<xs:element name="delivery-typ" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Versandbedingungen</xs:documentation> </xs:annotation> </xs:element>

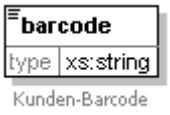
element **internalCustomerType/courier-id**

diagram	
type	**xs:string**
annotation	documentation Botendienstnummer
source	<xs:element name="courier-id" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Botendienstnummer</xs:documentation> </xs:annotation> </xs:element>

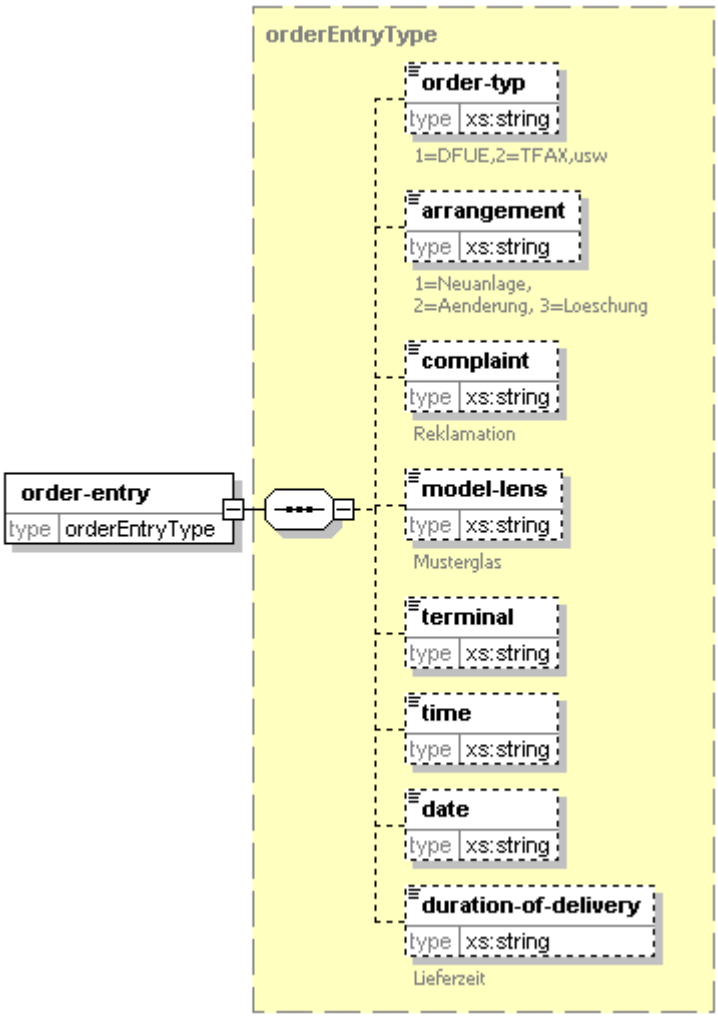
element **internalCustomerType/additional-order-id**

diagram	
type	**xs:string**
annotation	documentation z.B. Optiswiss, IPRO
source	<xs:element name="additional-order-id" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>z.B. Optiswiss, IPRO</xs:documentation> </xs:annotation> </xs:element>

element **internalCustomerType/barcode**

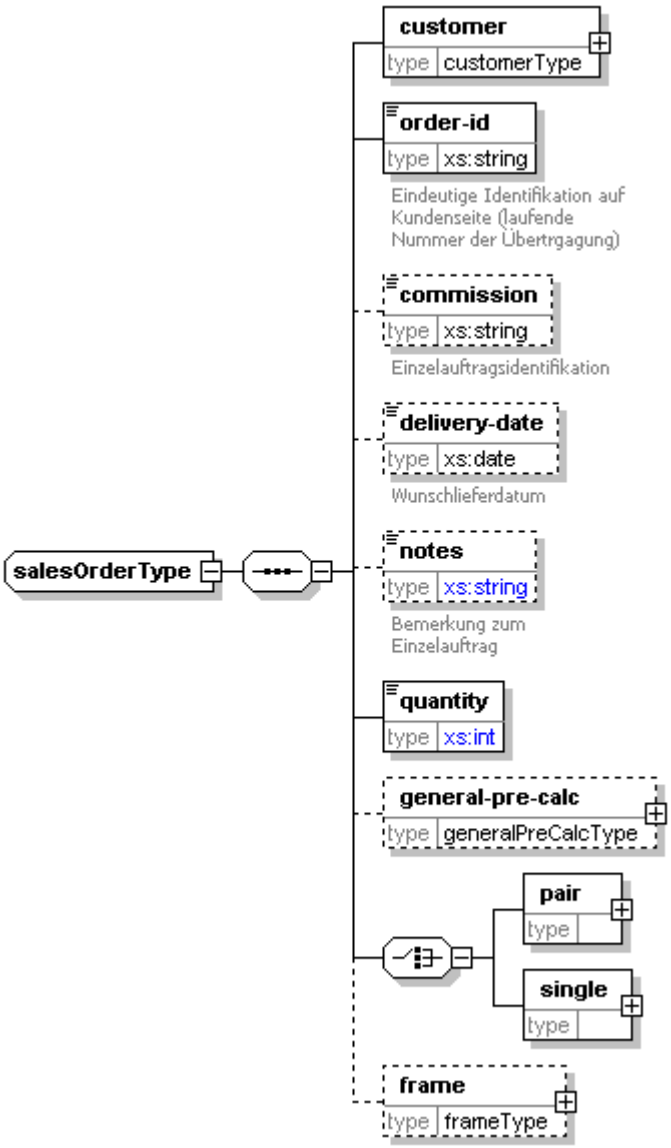
diagram	
type	**xs:string**
annotation	documentation Kunden-Barcode
source	<xs:element name="barcode" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Kunden-Barcode</xs:documentation> </xs:annotation> </xs:element>

element **internalCustomerType/order-entry**

diagram	
type	**orderEntryType**
children	**order-typ arrangement complaint model-lens terminal time date duration-of-delivery**
source	<xs:element name="order-entry" type="orderEntryType" minOccurs="0"/>

complexType **salesOrderType**

diagram



children **customer** **order-id** **commission** **delivery-date** **notes** **quantity** **general-pre-calc** **pair** **single** **frame**

used by complexType **salesOrderExtType**

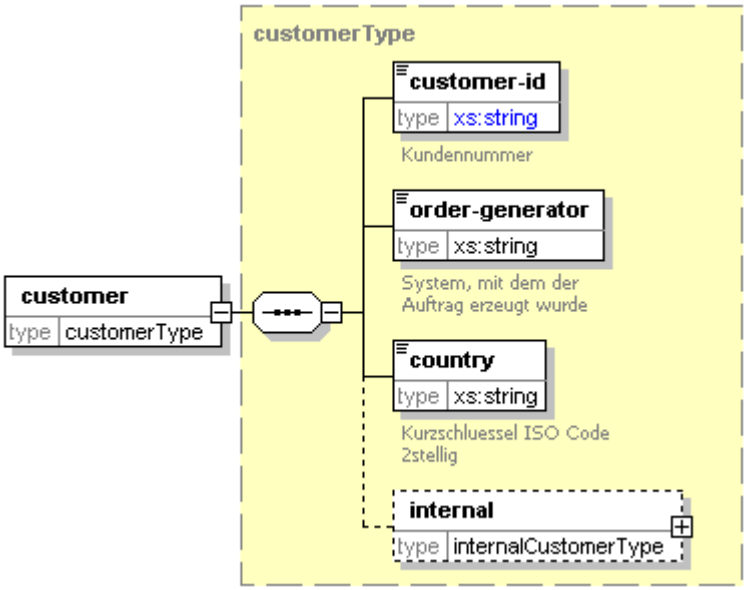
source

```
<xs:complexType name="salesOrderType">
  <xs:sequence>
    <xs:element name="customer" type="customerType"/>
    <xs:element name="order-id" type="xs:string">
      <xs:annotation>
        <xs:documentation>Eindeutige Identifikation auf Kundenseite (laufende Nummer der
Übertrgagung)</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="commission" type="xs:string" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Einzelauftragsidentifikation </xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="delivery-date" type="xs:date" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Wunschlieferdatum</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="notes" minOccurs="0">
      <xs:annotation>
```

```
      <xs:documentation>Bemerkung zum Einzelauftrag</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="xs:string"/>
    </xs:simpleType>
  </xs:element>
  <xs:element name="quantity">
    <xs:simpleType>
      <xs:restriction base="xs:int">
        <xs:minInclusive value="1"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="general-pre-calc" type="generalPreCalcType" minOccurs="0"/>
  <xs:choice>
    <xs:element name="pair">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="general" minOccurs="0">
            <xs:complexType>
              <xs:choice>
                <xs:element name="right" type="generalSideType"/>
                <xs:element name="left" type="generalSideType"/>
              </xs:choice>
            </xs:complexType>
          </xs:element>
          <xs:element name="right" type="salesOrderLensType"/>
          <xs:element name="left" type="salesOrderLensType"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="single">
      <xs:complexType>
        <xs:choice>
          <xs:element name="right" type="salesOrderLensType"/>
          <xs:element name="left" type="salesOrderLensType"/>
        </xs:choice>
      </xs:complexType>
    </xs:element>
  </xs:choice>
  <xs:element name="frame" type="frameType" minOccurs="0"/>
 </xs:sequence>
</xs:complexType>
```

element **salesOrderType/customer**

diagram



type	**customerType**
children	**customer-id** **order-generator** **country** **internal**

source	<xs:element name="customer" type="customerType"/>

element **salesOrderType/order-id**

diagram	
type	**xs:string**
annotation	documentation Eindeutige Identifikation auf Kundenseite (laufende Nummer der Übertrgagung)
source	<xs:element name="order-id" type="xs:string"> <xs:annotation> <xs:documentation>Eindeutige Identifikation auf Kundenseite (laufende Nummer der Übertrgagung)</xs:documentation> </xs:annotation> </xs:element>

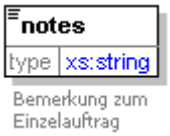
element **salesOrderType/commission**

diagram	
type	**xs:string**
annotation	documentation Einzelauftragsidentifikation
source	<xs:element name="commission" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Einzelauftragsidentifikation </xs:documentation> </xs:annotation> </xs:element>

element **salesOrderType/delivery-date**

diagram	
type	**xs:date**
annotation	documentation Wunschlieferdatum
source	<xs:element name="delivery-date" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Wunschlieferdatum</xs:documentation> </xs:annotation> </xs:element>

element **salesOrderType/notes**

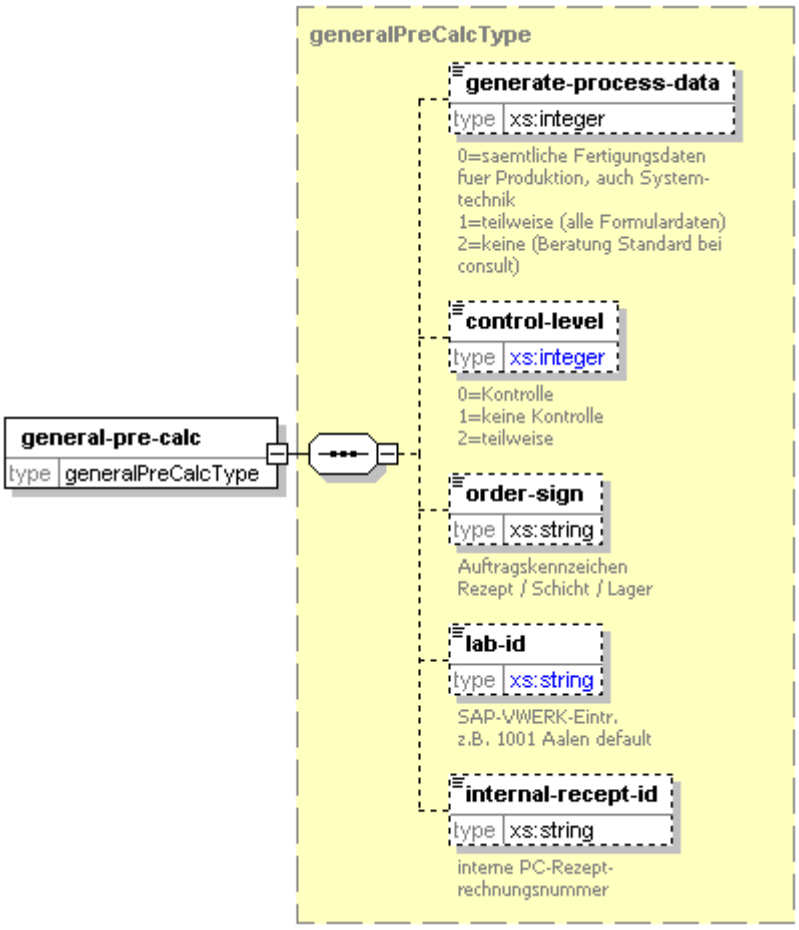
diagram	
type	restriction of **xs:string**
annotation	documentation Bemerkung zum Einzelauftrag

source	<xs:element name="notes" minOccurs="0"> <xs:annotation> <xs:documentation>Bemerkung zum Einzelauftrag</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"/> </xs:simpleType> </xs:element>

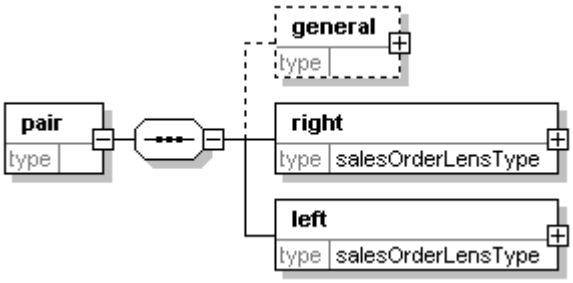
element **salesOrderType/quantity**

diagram	
type	restriction of **xs:int**
facets	minInclusive 1
source	<xs:element name="quantity"> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType> </xs:element>

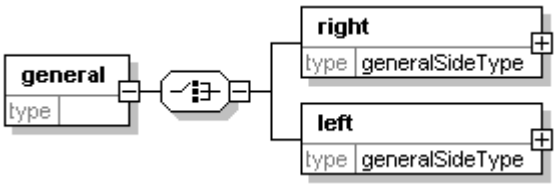
element **salesOrderType/general-pre-calc**

diagram	
type	**generalPreCalcType**
children	**generate-process-data** **control-level** **order-sign** **lab-id** **internal-recept-id**
source	<xs:element name="general-pre-calc" type="generalPreCalcType" minOccurs="0"/>

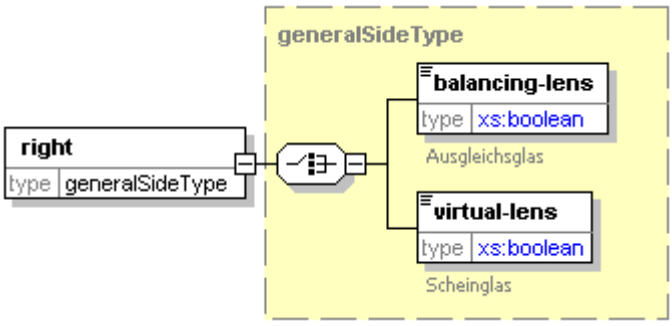
element **salesOrderType/pair**

diagram	
children	**general right left**
source	<xs:element name="pair"> <xs:complexType> <xs:sequence> <xs:element name="general" minOccurs="0"> <xs:complexType> <xs:choice> <xs:element name="right" type="generalSideType"/> <xs:element name="left" type="generalSideType"/> </xs:choice> </xs:complexType> </xs:element> <xs:element name="right" type="salesOrderLensType"/> <xs:element name="left" type="salesOrderLensType"/> </xs:sequence> </xs:complexType> </xs:element>

element **salesOrderType/pair/general**

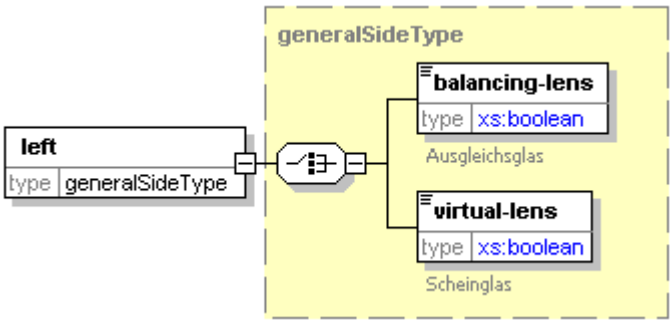
diagram	
children	**right left**
source	<xs:element name="general" minOccurs="0"> <xs:complexType> <xs:choice> <xs:element name="right" type="generalSideType"/> <xs:element name="left" type="generalSideType"/> </xs:choice> </xs:complexType> </xs:element>

element **salesOrderType/pair/general/right**

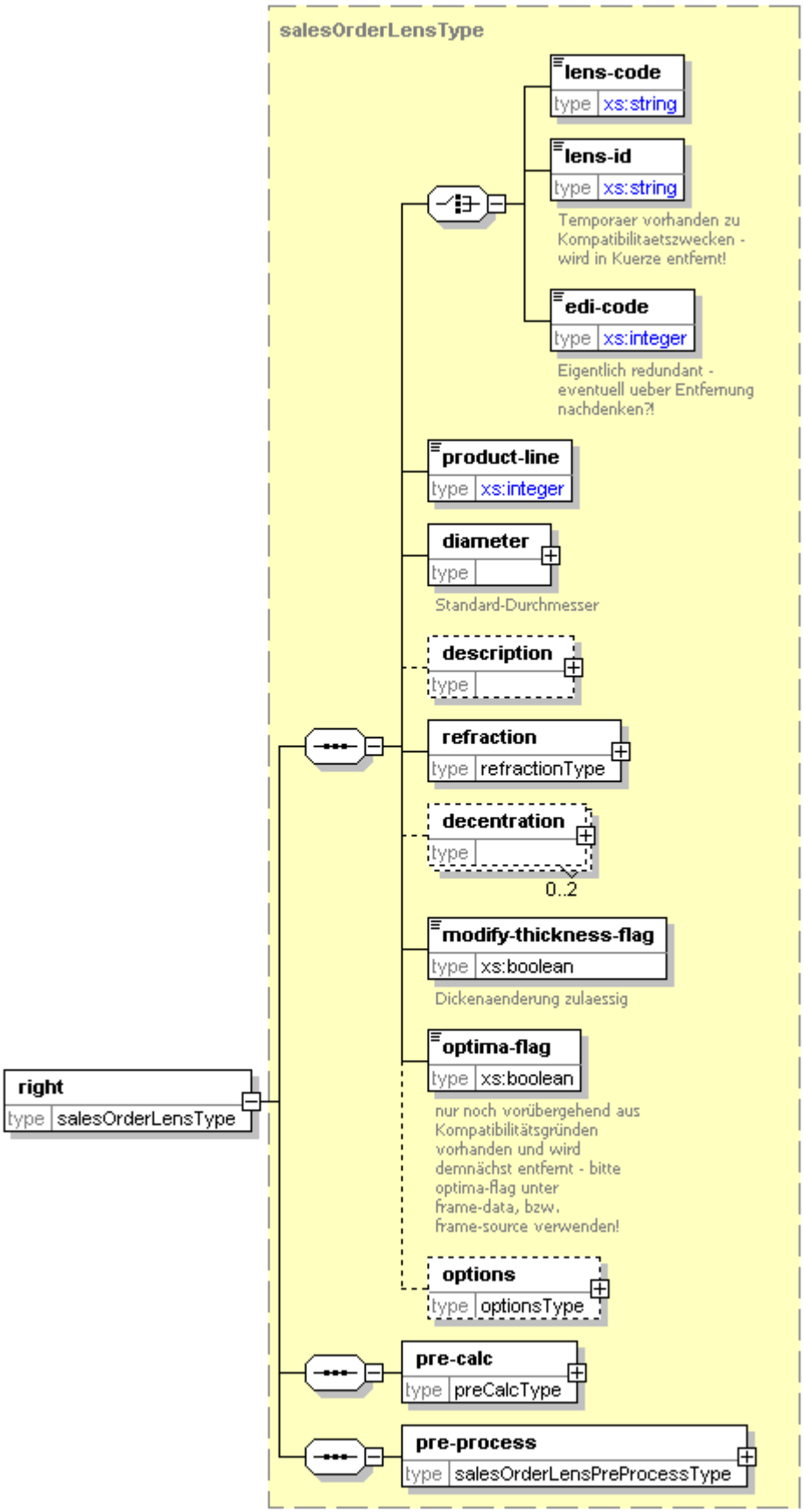
diagram	

type	**generalSideType**
children	**balancing-lens** **virtual-lens**
source	<xs:element name="right" type="generalSideType"/>

element **salesOrderType/pair/general/left**

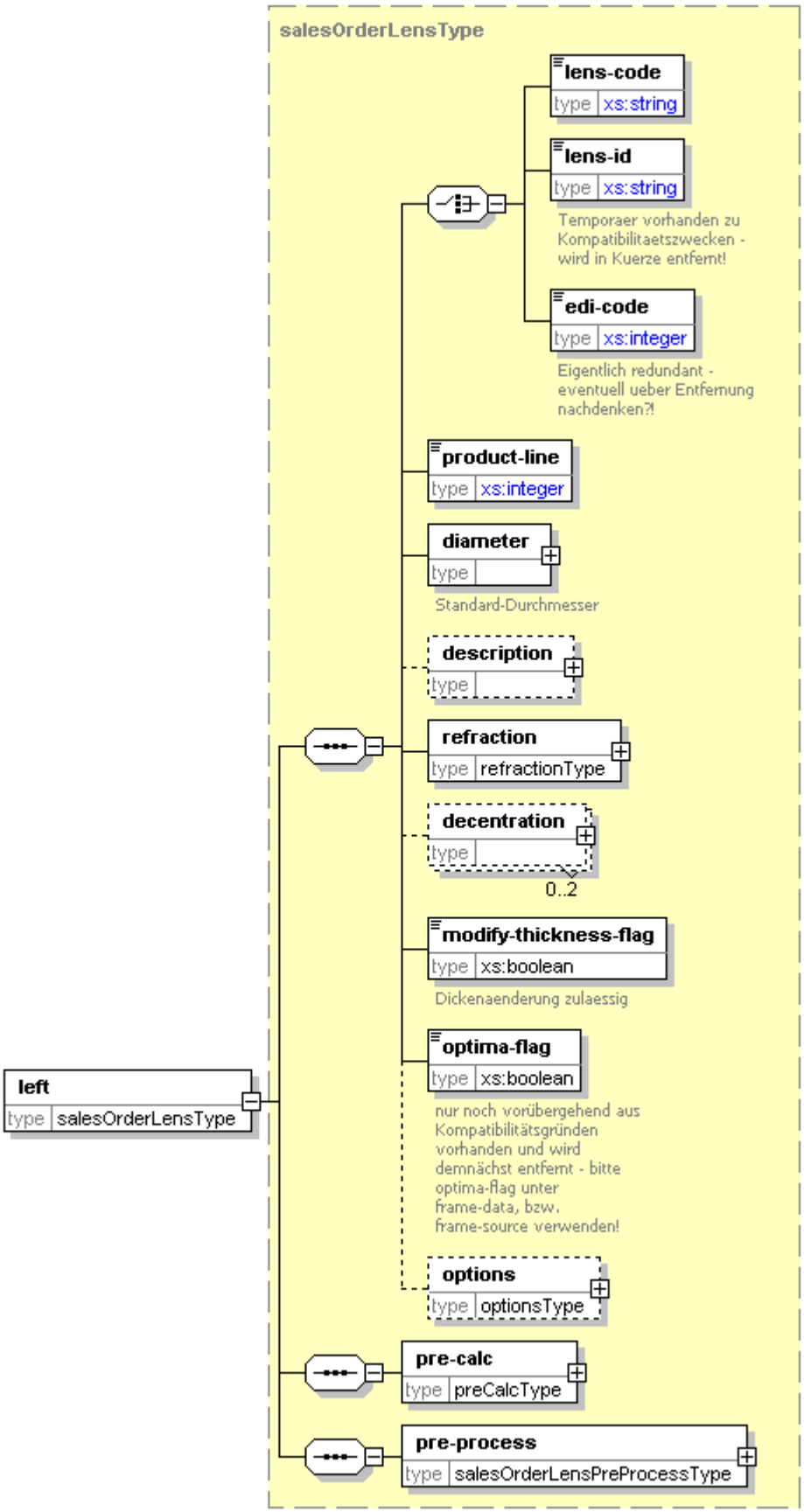
diagram	
type	**generalSideType**
children	**balancing-lens** **virtual-lens**
source	<xs:element name="left" type="generalSideType"/>

element **salesOrderType/pair/right**

diagram	
type	**salesOrderLensType**

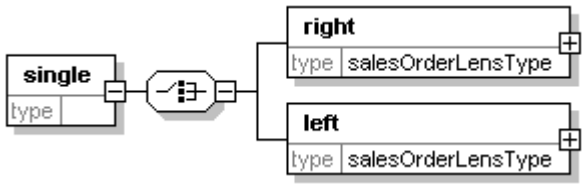
children	**lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options pre-calc pre-process**
source	<xs:element name="right" type="salesOrderLensType"/>

element **salesOrderType/pair/left**

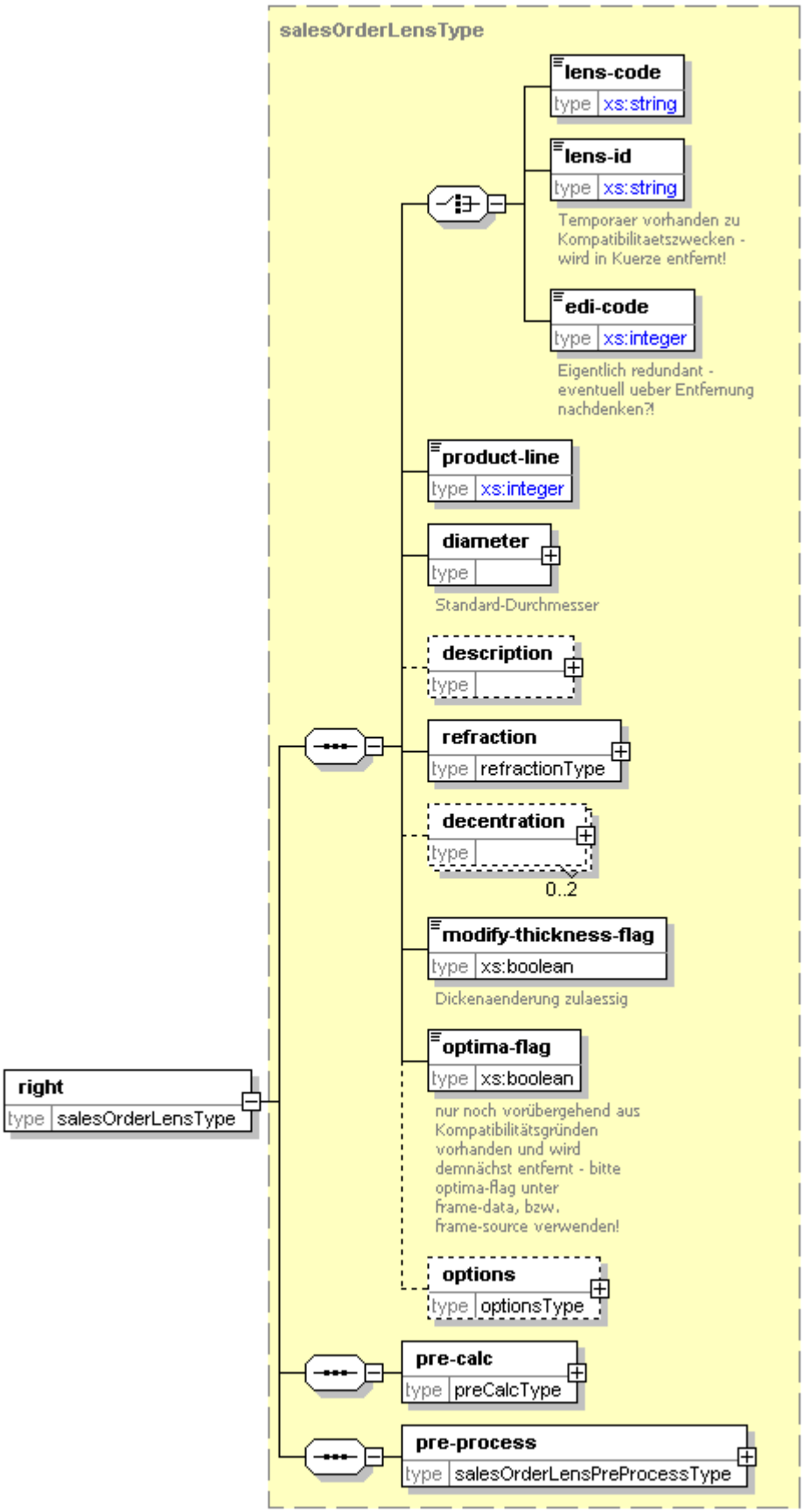
diagram	
type	**salesOrderLensType**

children	**lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options pre-calc pre-process**
source	<xs:element name="left" type="salesOrderLensType"/>

element **salesOrderType/single**

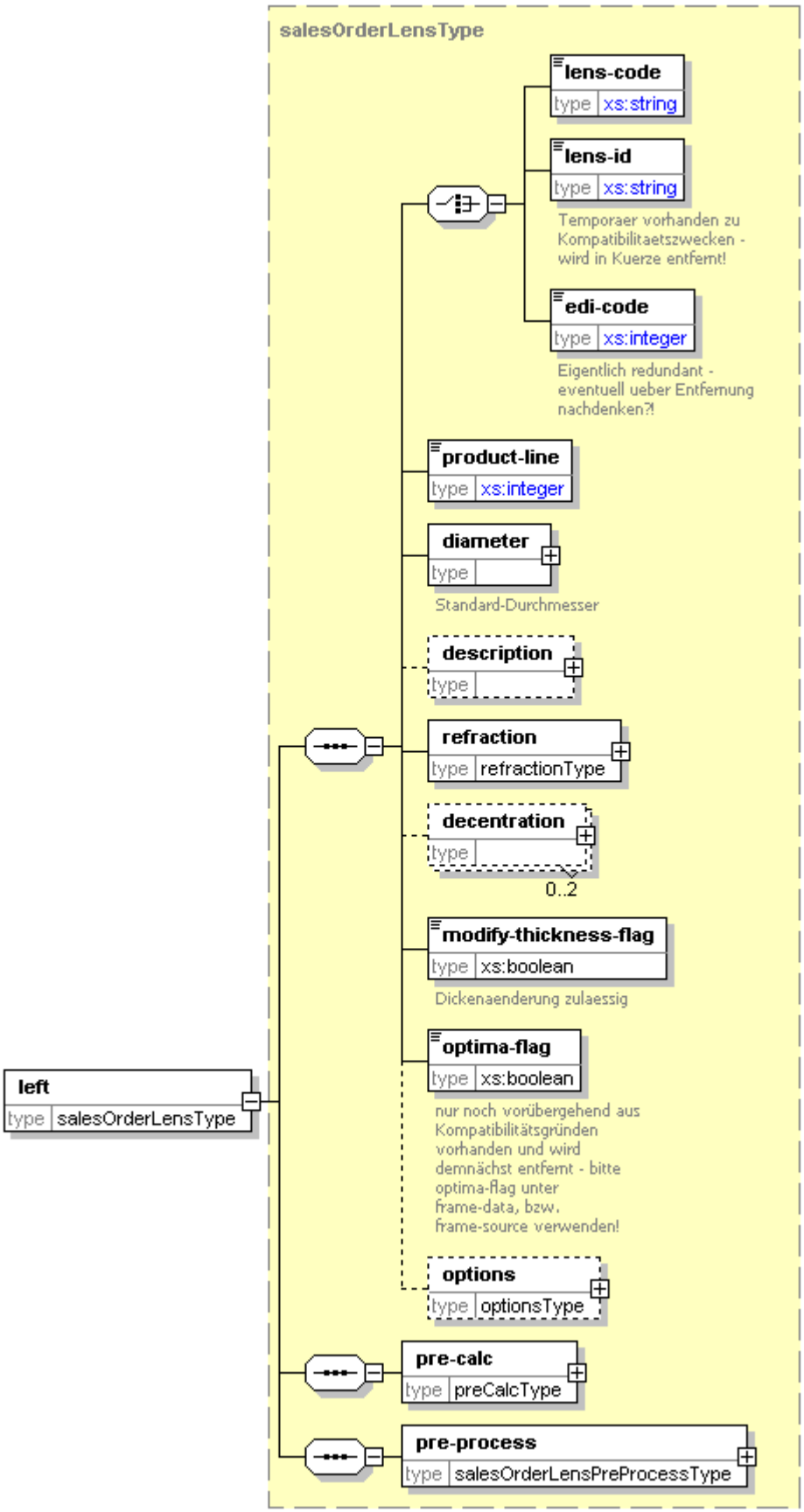
diagram	
children	**right left**
source	<xs:element name="single"> <xs:complexType> <xs:choice> <xs:element name="right" type="salesOrderLensType"/> <xs:element name="left" type="salesOrderLensType"/> </xs:choice> </xs:complexType> </xs:element>

element **salesOrderType/single/right**

diagram	
type	**salesOrderLensType**

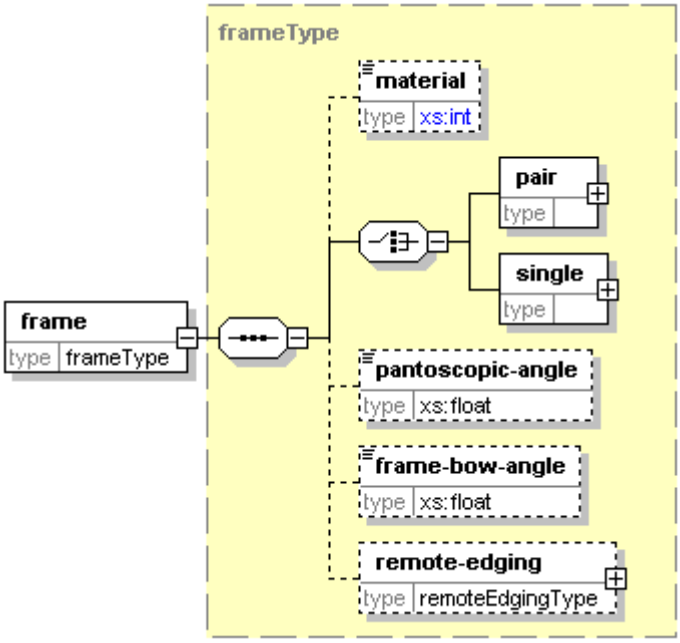
children	**lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options pre-calc pre-process**
source	<xs:element name="right" type="salesOrderLensType"/>

element **salesOrderType/single/left**

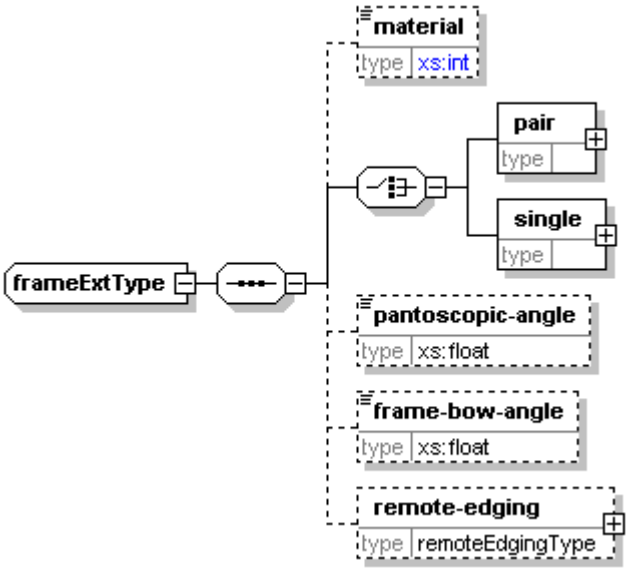
diagram	
type	**salesOrderLensType**

children	lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options pre-calc pre-process
source	<xs:element name="left" type="salesOrderLensType"/>

element **salesOrderType/frame**

diagram	
type	frameType
children	material pair single pantoscopic-angle frame-bow-angle remote-edging
source	<xs:element name="frame" type="frameType" minOccurs="0"/>

complexType **frameExtType**

diagram	
type	restriction of frameType
children	material pair single pantoscopic-angle frame-bow-angle remote-edging
used by	elements positionType/frame salesOrderExtType/frame
source	<xs:complexType name="frameExtType">

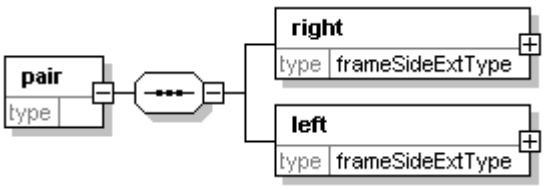
```
<xs:complexContent>
 <xs:restriction base="frameType">
  <xs:sequence>
   <xs:element name="material" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:int">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="5"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:choice>
    <xs:element name="pair">
     <xs:complexType>
      <xs:sequence>
       <xs:element name="right" type="frameSideExtType"/>
       <xs:element name="left" type="frameSideExtType"/>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="single">
     <xs:complexType>
      <xs:choice>
       <xs:element name="right" type="frameSideExtType"/>
       <xs:element name="left" type="frameSideExtType"/>
      </xs:choice>
     </xs:complexType>
    </xs:element>
   </xs:choice>
   <xs:element name="pantoscopic-angle" type="xs:float" minOccurs="0"/>
   <xs:element name="frame-bow-angle" type="xs:float" minOccurs="0"/>
   <xs:element name="remote-edging" type="remoteEdgingType" minOccurs="0"/>
  </xs:sequence>
 </xs:restriction>
</xs:complexContent>
</xs:complexType>
```

element **frameExtType/material**

diagram	
type	restriction of **xs:int**
facets	minInclusive 1 maxInclusive 5

source	`<xs:element name="material" minOccurs="0">`
	`<xs:simpleType>`
	`<xs:restriction base="xs:int">`
	`<xs:minInclusive value="1"/>`
	`<xs:maxInclusive value="5"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`

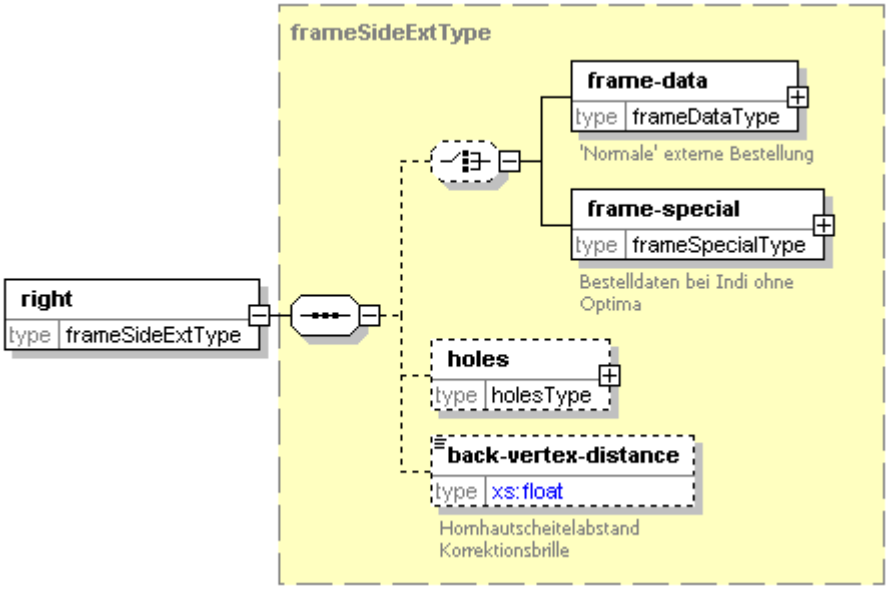
element **frameExtType/pair**

diagram	
children	**right** **left**

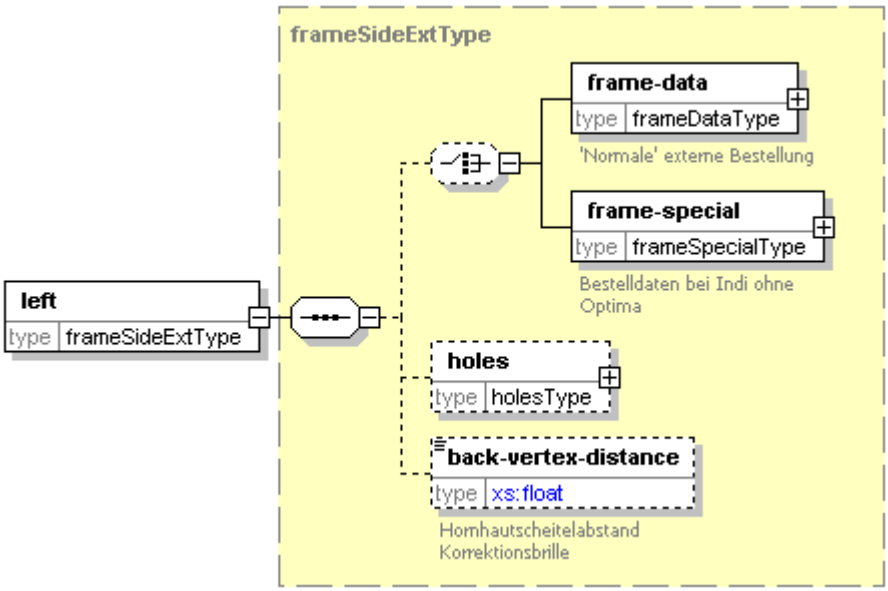
source	`<xs:element name="pair">`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element name="right" type="frameSideExtType"/>`
	`<xs:element name="left" type="frameSideExtType"/>`

	</xs:sequence> </xs:complexType> </xs:element>

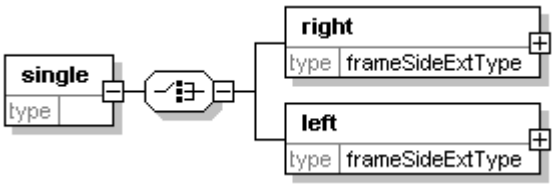
element **frameExtType/pair/right**

diagram	
type	**frameSideExtType**
children	**frame-data** **frame-special** **holes** **back-vertex-distance**
source	<xs:element name="right" type="frameSideExtType"/>

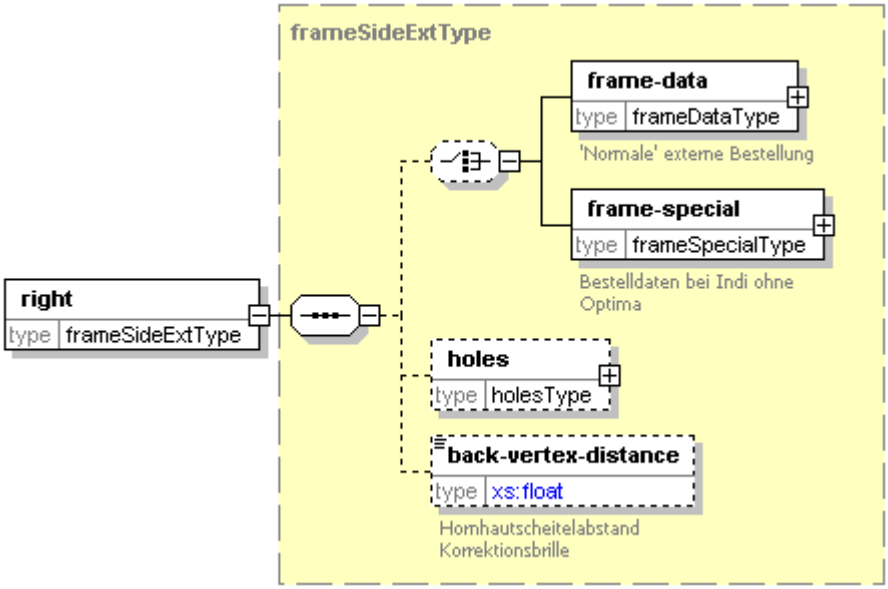
element **frameExtType/pair/left**

diagram	
type	**frameSideExtType**
children	**frame-data** **frame-special** **holes** **back-vertex-distance**
source	<xs:element name="left" type="frameSideExtType"/>

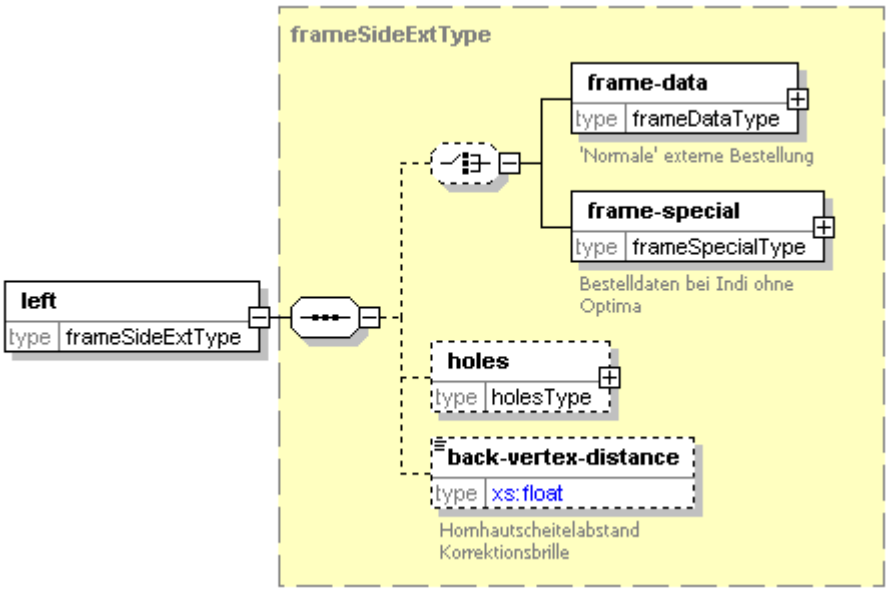
element **frameExtType/single**

diagram	
children	**right** **left**
source	<xs:element name="single"> <xs:complexType> <xs:choice> <xs:element name="right" type="frameSideExtType"/> <xs:element name="left" type="frameSideExtType"/> </xs:choice> </xs:complexType> </xs:element>

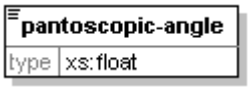
element **frameExtType/single/right**

diagram	
type	**frameSideExtType**
children	**frame-data** **frame-special** **holes** **back-vertex-distance**
source	<xs:element name="right" type="frameSideExtType"/>

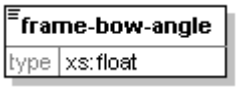
element **frameExtType/single/left**

diagram	
type	**frameSideExtType**
children	**frame-data** **frame-special** **holes** **back-vertex-distance**
source	<xs:element name="left" type="frameSideExtType"/>

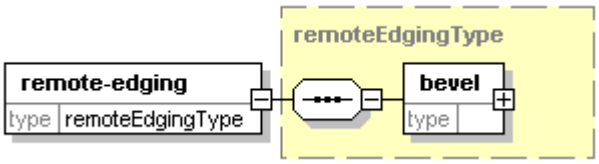
element **frameExtType/pantoscopic-angle**

diagram	
type	**xs:float**
source	<xs:element name="pantoscopic-angle" type="xs:float" minOccurs="0"/>

element **frameExtType/frame-bow-angle**

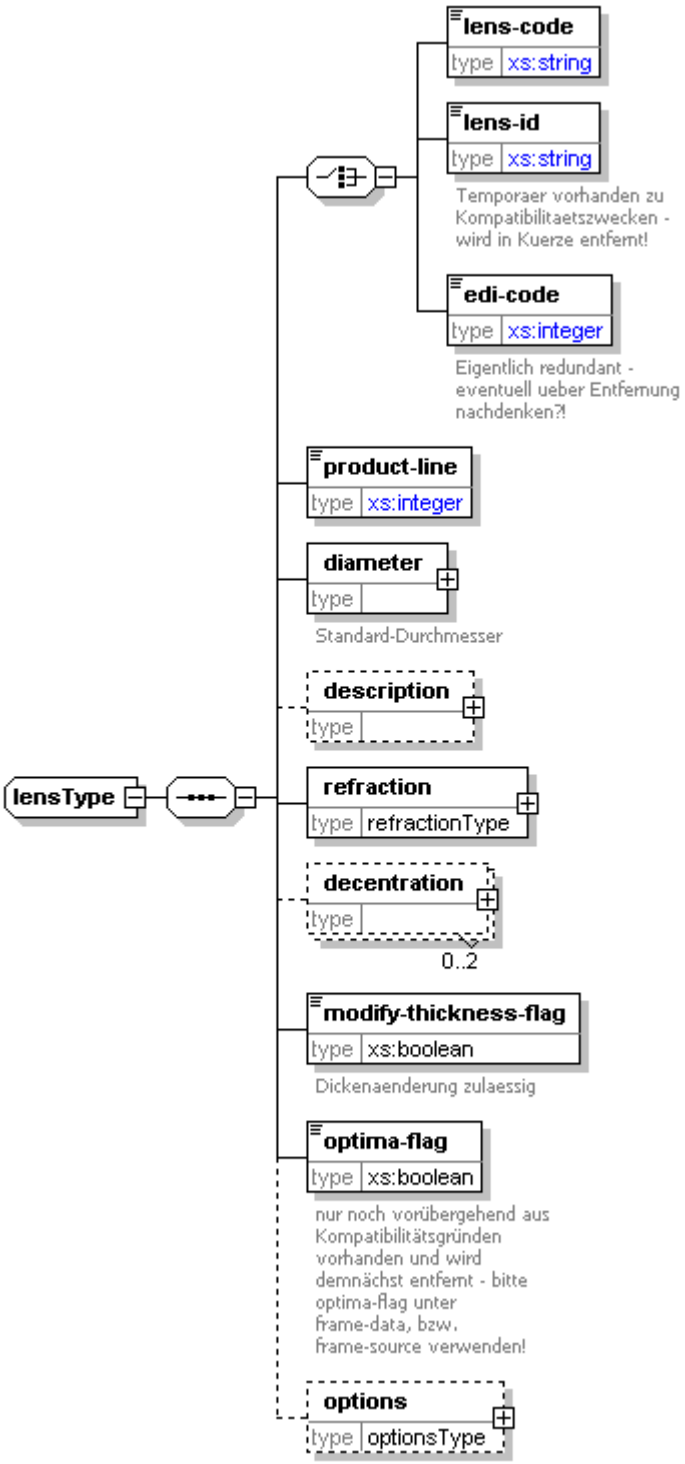
diagram	
type	**xs:float**
source	<xs:element name="frame-bow-angle" type="xs:float" minOccurs="0"/>

element **frameExtType/remote-edging**

diagram	
type	**remoteEdgingType**
children	**bevel**
source	<xs:element name="remote-edging" type="remoteEdgingType" minOccurs="0"/>

complexType **lensType**

diagram



children **lens-code** **lens-id** **edi-code** **product-line** **diameter** **description** **refraction** **decentration** **modify-thickness-flag** **optima-flag** **options**

used by

elements **positionType/pair/left** **positionType/single/left** **salesOrderExtType/pair/left** **salesOrderExtType/single/left** **positionType/pair/right** **positionType/single/right** **salesOrderExtType/pair/right** **salesOrderExtType/single/right**

complexType **preCalcLensType**

source

```
<xs:complexType name="lensType">
  <xs:sequence>
    <xs:choice>
      <xs:element name="lens-code">
        <xs:simpleType>
```

```
        <xs:restriction base="xs:string">
          <xs:minLength value="1"/>
          <xs:maxLength value="6"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="lens-id">
      <xs:annotation>
        <xs:documentation>Temporaer vorhanden zu Kompatibilitaetszwecken - wird in Kuerze
entfernt!</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:minLength value="1"/>
          <xs:maxLength value="6"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="edi-code">
      <xs:annotation>
        <xs:documentation>Eigentlich redundant - eventuell ueber Entfernung nachdenken?!</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="-9999"/>
          <xs:maxInclusive value="9999"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:choice>
  <xs:element name="product-line">
    <xs:simpleType>
      <xs:restriction base="xs:integer">
        <xs:minInclusive value="0"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="diameter">
    <xs:annotation>
      <xs:documentation>Standard-Durchmesser</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="physical">
          <xs:annotation>
            <xs:documentation>Physikalischer Durchmesser</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:integer">
              <xs:minInclusive value="1"/>
              <xs:maxInclusive value="99"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="optical" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Optisch wirksamer Durchmesser - nur vorhanden, falls unterschiedlich vom physikalischen
Durchmesser (also bei vordezentrierten Glaesern)</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:integer">
              <xs:minInclusive value="1"/>
              <xs:maxInclusive value="99"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="optimized" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Kleinstmoeglicher  optimierter Durchmesser</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:integer">
              <xs:maxInclusive value="99"/>
              <xs:minInclusive value="0"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
```

```
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="description" minOccurs="0">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="name" type="xs:string" minOccurs="0"/>
        <xs:element name="ce-text" type="xs:string" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="note" type="xs:string" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="lens-bag-name" type="xs:string" minOccurs="0"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="refraction" type="refractionType"/>
  <xs:element name="decentration" minOccurs="0" maxOccurs="2">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="length">
          <xs:simpleType>
            <xs:restriction base="xs:float">
              <xs:minInclusive value="0.1"/>
              <xs:maxInclusive value="40.0"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="direction">
          <xs:simpleType>
            <xs:restriction base="xs:float">
              <xs:minInclusive value="0.0"/>
              <xs:maxInclusive value="360.0"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
      </xs:sequence>
      <xs:attribute name="origin" use="optional" default="internal">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="internal"/>
            <xs:enumeration value="customer"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
    </xs:complexType>
  </xs:element>
  <xs:element name="modify-thickness-flag" type="xs:boolean">
    <xs:annotation>
      <xs:documentation>Dickenaenderung zulaessig</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="optima-flag" type="xs:boolean">
    <xs:annotation>
      <xs:documentation>nur noch vorübergehend aus Kompatibilitätsgründen vorhanden und wird demnächst entfernt - bitte optima-flag unter frame-data, bzw. frame-source verwenden!</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="options" type="optionsType" minOccurs="0"/>
 </xs:sequence>
</xs:complexType>
```

element **lensType/lens-code**

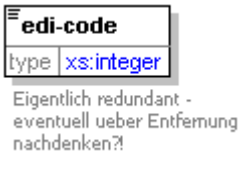
diagram	
type	restriction of **xs:string**
facets	minLength 1 maxLength 6
source	<xs:element name="lens-code"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="6"/> </xs:restriction>

	</xs:simpleType> </xs:element>

element **lensType/lens-id**

diagram	
type	restriction of **xs:string**
facets	minLength 1 maxLength 6
annotation	documentation Temporaer vorhanden zu Kompatibilitaetszwecken - wird in Kuerze entfernt!
source	<xs:element name="lens-id"> <xs:annotation> <xs:documentation>Temporaer vorhanden zu Kompatibilitaetszwecken - wird in Kuerze entfernt!</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="6"/> </xs:restriction> </xs:simpleType> </xs:element>

element **lensType/edi-code**

diagram	
type	restriction of **xs:integer**
facets	minInclusive -9999 maxInclusive 9999
annotation	documentation Eigentlich redundant - eventuell ueber Entfernung nachdenken?!
source	<xs:element name="edi-code"> <xs:annotation> <xs:documentation>Eigentlich redundant - eventuell ueber Entfernung nachdenken?!</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="-9999"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </xs:element>

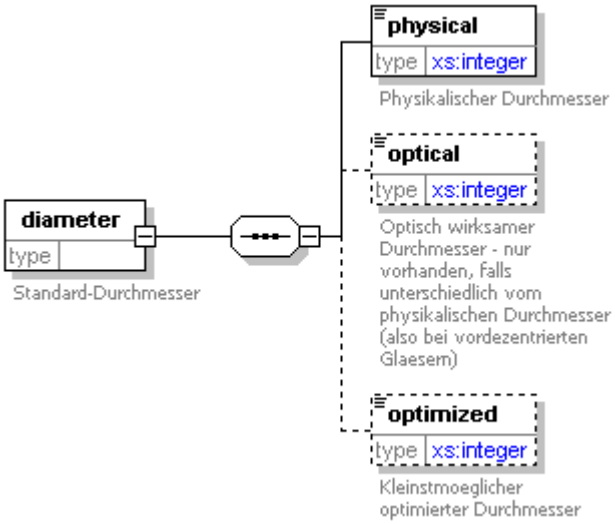
element **lensType/product-line**

diagram	
type	restriction of **xs:integer**
facets	minInclusive 0
source	<xs:element name="product-line"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0"/>

```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **lensType/diameter**

diagram



children **physical optical optimized**

annotation documentation Standard-Durchmesser

source

```
<xs:element name="diameter">
  <xs:annotation>
    <xs:documentation>Standard-Durchmesser</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="physical">
        <xs:annotation>
          <xs:documentation>Physikalischer Durchmesser</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="99"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="optical" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Optisch wirksamer Durchmesser - nur vorhanden, falls unterschiedlich vom physikalischen
Durchmesser (also bei vordezentrierten Glaesern)</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="99"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="optimized" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Kleinstmoeglicher  optimierter Durchmesser</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:maxInclusive value="99"/>
            <xs:minInclusive value="0"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

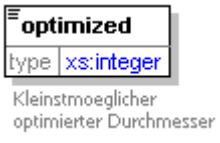
element **lensType/diameter/physical**

diagram	
type	restriction of **xs:integer**
facets	minInclusive 1 maxInclusive 99
annotation	documentation Physikalischer Durchmesser
source	<xs:element name="physical"> <xs:annotation> <xs:documentation>Physikalischer Durchmesser</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element>

element **lensType/diameter/optical**

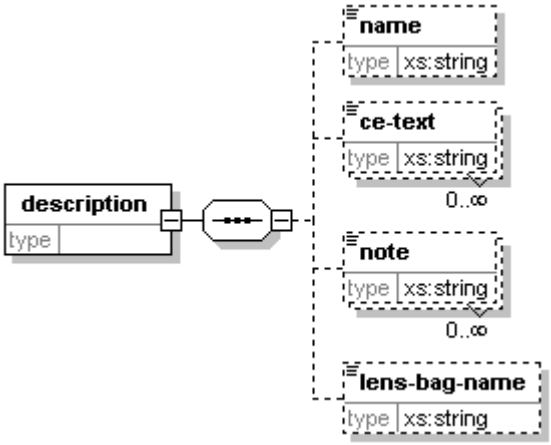
diagram	
type	restriction of **xs:integer**
facets	minInclusive 1 maxInclusive 99
annotation	documentation Optisch wirksamer Durchmesser - nur vorhanden, falls unterschiedlich vom physikalischen Durchmesser (also bei vordezentrierten Glaesern)
source	<xs:element name="optical" minOccurs="0"> <xs:annotation> <xs:documentation>Optisch wirksamer Durchmesser - nur vorhanden, falls unterschiedlich vom physikalischen Durchmesser (also bei vordezentrierten Glaesern)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element>

element **lensType/diameter/optimized**

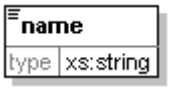
diagram	
type	restriction of **xs:integer**
facets	minInclusive 0 maxInclusive 99

annotation	documentation Kleinstmoeglicher optimierter Durchmesser
source	<xs:element name="optimized" minOccurs="0"> <xs:annotation> <xs:documentation>Kleinstmoeglicher optimierter Durchmesser</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:maxInclusive value="99"/> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element>

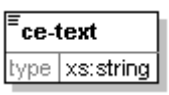
element **lensType/description**

diagram	
children	**name ce-text note lens-bag-name**
source	<xs:element name="description" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="name" type="xs:string" minOccurs="0"/> <xs:element name="ce-text" type="xs:string" minOccurs="0" maxOccurs="unbounded"/> <xs:element name="note" type="xs:string" minOccurs="0" maxOccurs="unbounded"/> <xs:element name="lens-bag-name" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

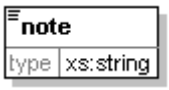
element **lensType/description/name**

diagram	
type	**xs:string**
source	<xs:element name="name" type="xs:string" minOccurs="0"/>

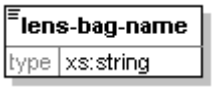
element **lensType/description/ce-text**

diagram	
type	**xs:string**
source	<xs:element name="ce-text" type="xs:string" minOccurs="0" maxOccurs="unbounded"/>

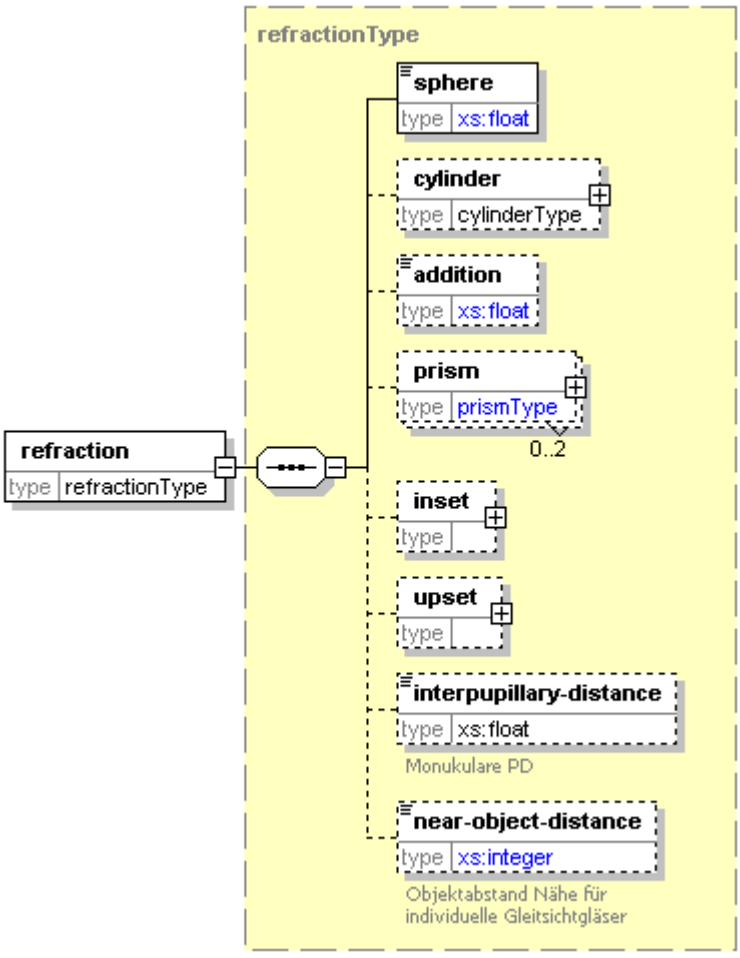
element **lensType/description/note**

diagram	
type	**xs:string**
source	<xs:element name="note" type="xs:string" minOccurs="0" maxOccurs="unbounded"/>

element **lensType/description/lens-bag-name**

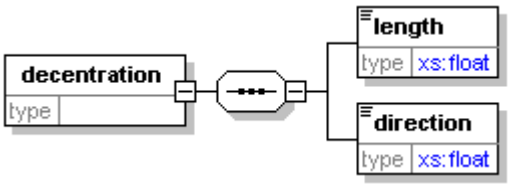
diagram	
type	**xs:string**
source	<xs:element name="lens-bag-name" type="xs:string" minOccurs="0"/>

element **lensType/refraction**

diagram	
type	**refractionType**
children	**sphere cylinder addition prism inset upset interpupillary-distance near-object-distance**
source	<xs:element name="refraction" type="refractionType"/>

element **lensType/decentration**

diagram



children **length direction**

attributes	Name	Type	Use	Default	Fixed	Annotation
	origin	xs:string	optional	internal		

source

```
<xs:element name="decentration" minOccurs="0" maxOccurs="2">
 <xs:complexType>
  <xs:sequence>
   <xs:element name="length">
    <xs:simpleType>
     <xs:restriction base="xs:float">
      <xs:minInclusive value="0.1"/>
      <xs:maxInclusive value="40.0"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="direction">
    <xs:simpleType>
     <xs:restriction base="xs:float">
      <xs:minInclusive value="0.0"/>
      <xs:maxInclusive value="360.0"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
  </xs:sequence>
  <xs:attribute name="origin" use="optional" default="internal">
   <xs:simpleType>
    <xs:restriction base="xs:string">
     <xs:enumeration value="internal"/>
     <xs:enumeration value="customer"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:attribute>
 </xs:complexType>
</xs:element>
```

element **lensType/decentration/length**

diagram

type restriction of **xs:float**

facets
minInclusive 0.1
maxInclusive 40.0

source

```
<xs:element name="length">
 <xs:simpleType>
  <xs:restriction base="xs:float">
   <xs:minInclusive value="0.1"/>
   <xs:maxInclusive value="40.0"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **lensType/decentration/direction**

diagram

type	restriction of **xs:float**
facets	minInclusive 0.0 maxInclusive 360.0
source	<xs:element name="direction"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0.0"/> <xs:maxInclusive value="360.0"/> </xs:restriction> </xs:simpleType> </xs:element>

element **lensType/modify-thickness-flag**

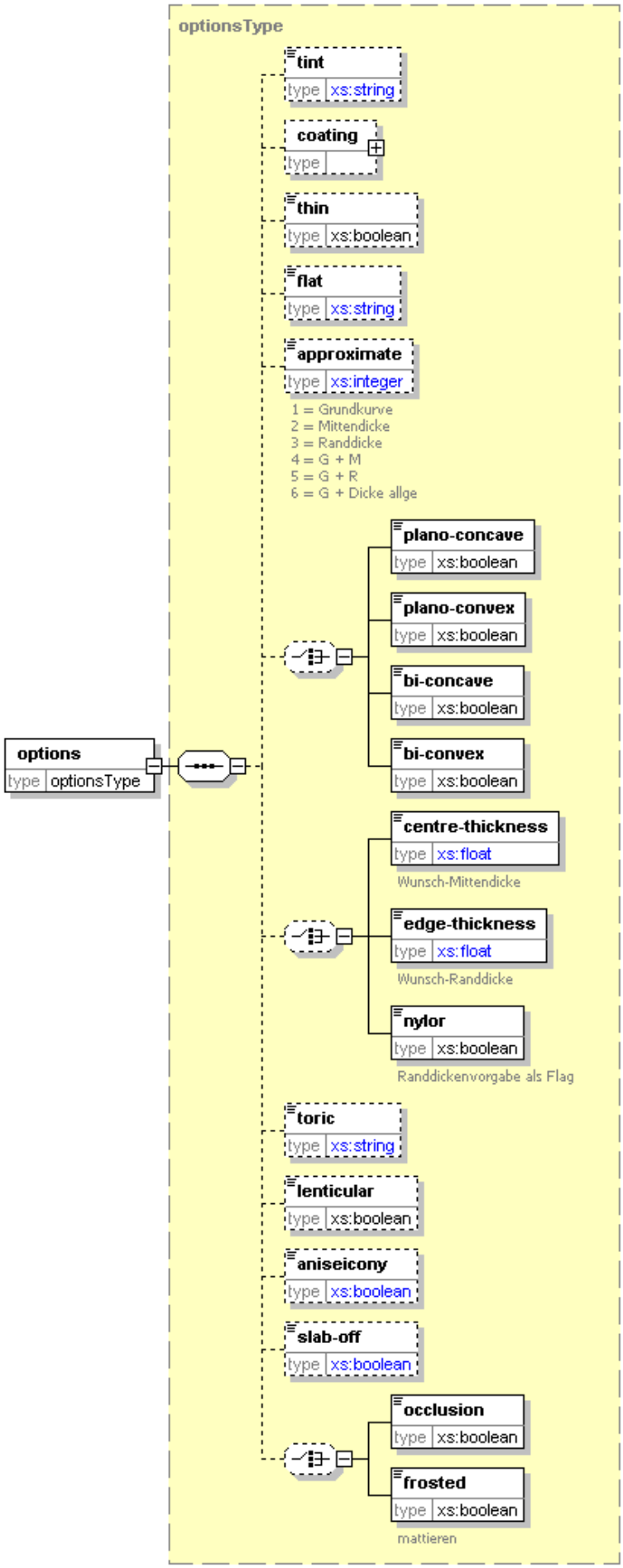
diagram	
type	**xs:boolean**
annotation	documentation Dickenaenderung zulaessig
source	<xs:element name="modify-thickness-flag" type="xs:boolean"> <xs:annotation> <xs:documentation>Dickenaenderung zulaessig</xs:documentation> </xs:annotation> </xs:element>

element **lensType/optima-flag**

diagram	
type	**xs:boolean**
annotation	documentation nur noch vorübergehend aus Kompatibilitätsgründen vorhanden und wird demnächst entfernt - bitte optima-flag unter frame-data, bzw. frame-source verwenden!
source	<xs:element name="optima-flag" type="xs:boolean"> <xs:annotation> <xs:documentation>nur noch vorübergehend aus Kompatibilitätsgründen vorhanden und wird demnächst entfernt - bitte optima-flag unter frame-data, bzw. frame-source verwenden!</xs:documentation> </xs:annotation> </xs:element>

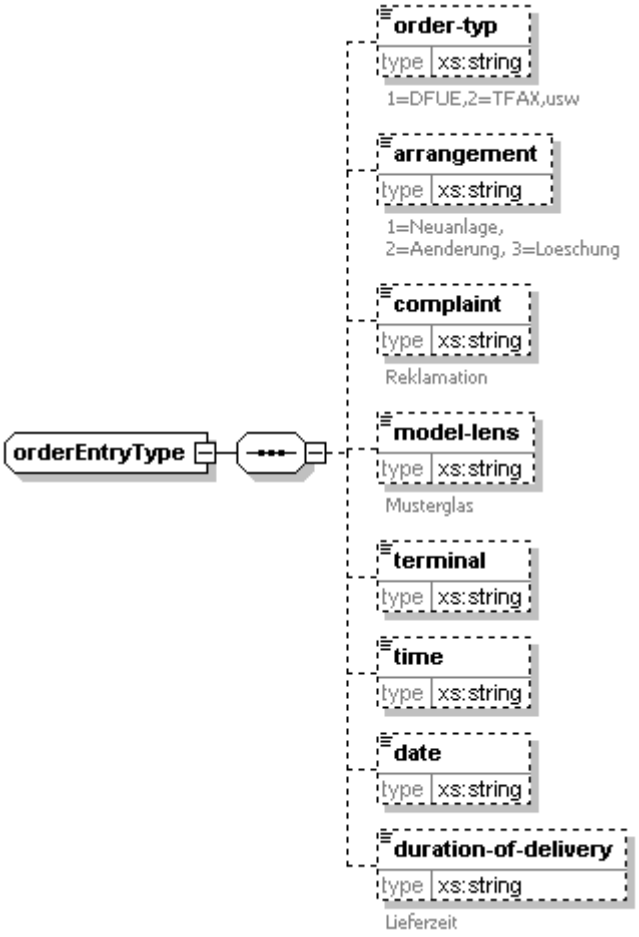
element **lensType/options**

diagram


optionsType
tint
type xs:string
coating
type
thin
type xs:boolean
flat
type xs:string
approximate
type xs:integer
1 = Grundkurve
2 = Mittendicke
3 = Randdicke
4 = G + M
5 = G + R
6 = G + Dicke allge
plano-concave
type xs:boolean
plano-convex
type xs:boolean
bi-concave
type xs:boolean
bi-convex
type xs:boolean
options
type optionsType
centre-thickness
type xs:float
Wunsch-Mittendicke
edge-thickness
type xs:float
Wunsch-Randdicke
nylor
type xs:boolean
Randdickenvorgabe als Flag
toric
type xs:string
lenticular
type xs:boolean
aniseicony
type xs:boolean
slab-off
type xs:boolean
occlusion
type xs:boolean
frosted
type xs:boolean
mattieren

type	**optionsType**
children	**tint coating thin flat approximate plano-concave plano-convex bi-concave bi-convex centre-thickness edge-thickness nylor toric lenticular aniseicony slab-off occlusion frosted**
source	<xs:element name="options" type="optionsType" minOccurs="0"/>

complexType **orderEntryType**

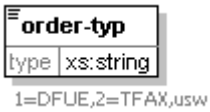
diagram	
children	**order-typ arrangement complaint model-lens terminal time date duration-of-delivery**
used by	element **internalCustomerType/order-entry**

source

```
<xs:complexType name="orderEntryType">
 <xs:sequence>
  <xs:element name="order-typ" type="xs:string" minOccurs="0">
   <xs:annotation>
    <xs:documentation>1=DFUE,2=TFAX,usw</xs:documentation>
   </xs:annotation>
  </xs:element>
  <xs:element name="arrangement" type="xs:string" minOccurs="0">
   <xs:annotation>
    <xs:documentation>1=Neuanlage, 2=Aenderung, 3=Loeschung</xs:documentation>
   </xs:annotation>
  </xs:element>
  <xs:element name="complaint" type="xs:string" minOccurs="0">
   <xs:annotation>
    <xs:documentation>Reklamation</xs:documentation>
   </xs:annotation>
  </xs:element>
  <xs:element name="model-lens" type="xs:string" minOccurs="0">
   <xs:annotation>
    <xs:documentation>Musterglas</xs:documentation>
   </xs:annotation>
  </xs:element>
  <xs:element name="terminal" type="xs:string" minOccurs="0"/>
```

```
    <xs:element name="time" type="xs:string" minOccurs="0"/>
    <xs:element name="date" type="xs:string" minOccurs="0"/>
    <xs:element name="duration-of-delivery" type="xs:string" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Lieferzeit</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **orderEntryType/order-typ**

diagram	
type	**xs:string**
annotation	documentation 1=DFUE,2=TFAX,usw

source	`<xs:element name="order-typ" type="xs:string" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>1=DFUE,2=TFAX,usw</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **orderEntryType/arrangement**

diagram	
type	**xs:string**
annotation	documentation 1=Neuanlage, 2=Aenderung, 3=Loeschung

source	`<xs:element name="arrangement" type="xs:string" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>1=Neuanlage, 2=Aenderung, 3=Loeschung</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **orderEntryType/complaint**

diagram	
type	**xs:string**
annotation	documentation Reklamation

source	`<xs:element name="complaint" type="xs:string" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Reklamation</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **orderEntryType/model-lens**

diagram	
type	**xs:string**
annotation	documentation Musterglas
source	<xs:element name="model-lens" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Musterglas</xs:documentation> </xs:annotation> </xs:element>

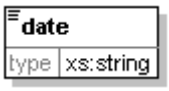
element **orderEntryType/terminal**

diagram	
type	**xs:string**
source	<xs:element name="terminal" type="xs:string" minOccurs="0"/>

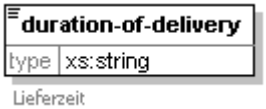
element **orderEntryType/time**

diagram	
type	**xs:string**
source	<xs:element name="time" type="xs:string" minOccurs="0"/>

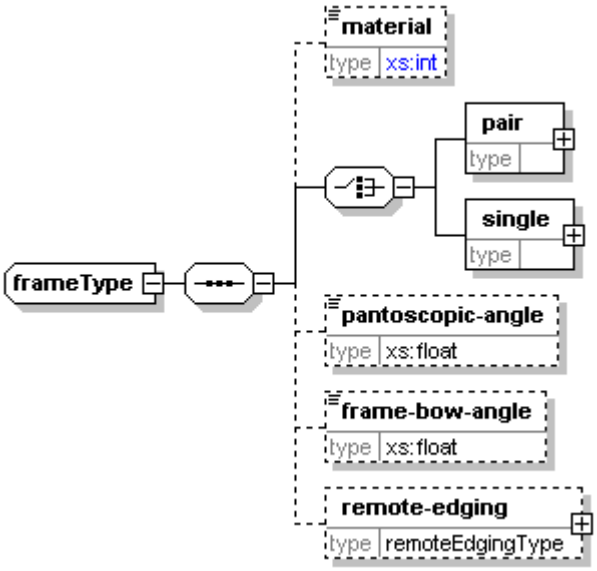
element **orderEntryType/date**

diagram	
type	**xs:string**
source	<xs:element name="date" type="xs:string" minOccurs="0"/>

element **orderEntryType/duration-of-delivery**

diagram	
type	**xs:string**
annotation	documentation Lieferzeit
source	<xs:element name="duration-of-delivery" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Lieferzeit</xs:documentation> </xs:annotation> </xs:element>

complexType **frameType**

diagram	
children	material pair single pantoscopic-angle frame-bow-angle remote-edging
used by	element salesOrderType/frame complexType frameExtType

source

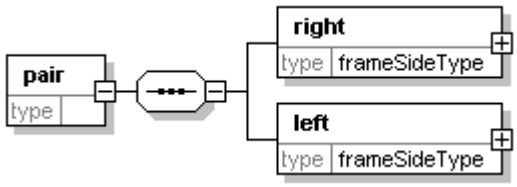
```
<xs:complexType name="frameType">
 <xs:sequence>
  <xs:element name="material" minOccurs="0">
   <xs:simpleType>
    <xs:restriction base="xs:int">
     <xs:minInclusive value="1"/>
     <xs:maxInclusive value="5"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:choice>
   <xs:element name="pair">
    <xs:complexType>
     <xs:sequence>
      <xs:element name="right" type="frameSideType"/>
      <xs:element name="left" type="frameSideType"/>
     </xs:sequence>
    </xs:complexType>
   </xs:element>
   <xs:element name="single">
    <xs:complexType>
     <xs:choice>
      <xs:element name="right" type="frameSideType"/>
      <xs:element name="left" type="frameSideType"/>
     </xs:choice>
    </xs:complexType>
   </xs:element>
  </xs:choice>
  <xs:element name="pantoscopic-angle" type="xs:float" minOccurs="0"/>
  <xs:element name="frame-bow-angle" type="xs:float" minOccurs="0"/>
  <xs:element name="remote-edging" type="remoteEdgingType" minOccurs="0"/>
 </xs:sequence>
</xs:complexType>
```

element **frameType/material**

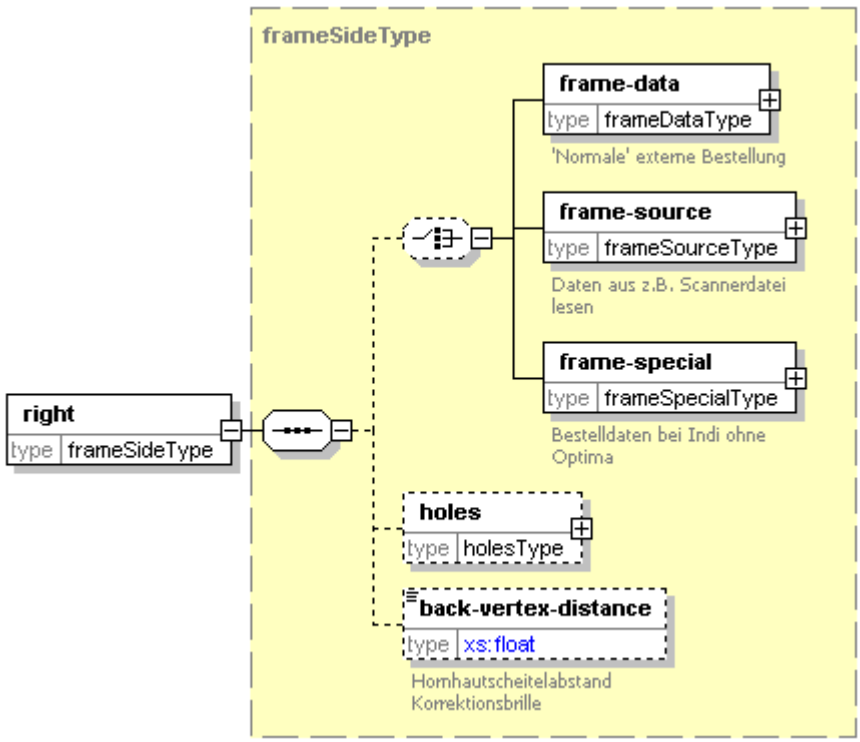
diagram	
type	restriction of **xs:int**

facets	minInclusive 1 maxInclusive 5
source	<xs:element name="material" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> <xs:maxInclusive value="5"/> </xs:restriction> </xs:simpleType> </xs:element>

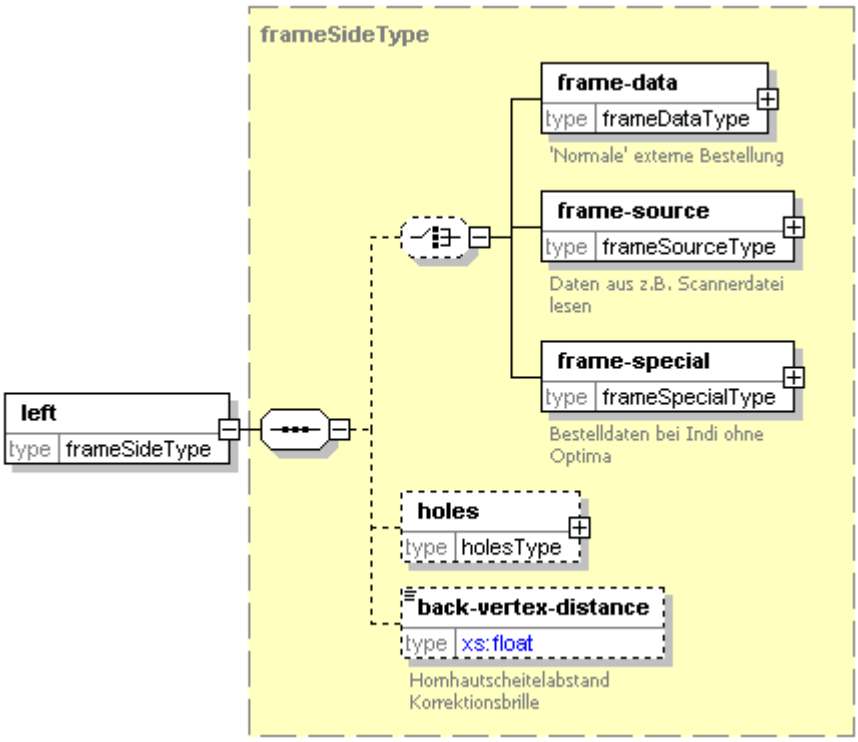
element **frameType/pair**

diagram	
children	right left
source	<xs:element name="pair"> <xs:complexType> <xs:sequence> <xs:element name="right" type="frameSideType"/> <xs:element name="left" type="frameSideType"/> </xs:sequence> </xs:complexType> </xs:element>

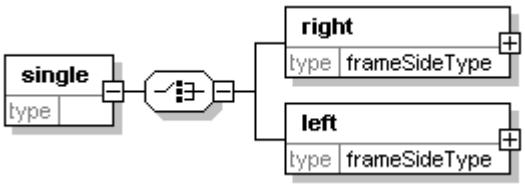
element **frameType/pair/right**

diagram	
type	frameSideType
children	frame-data frame-source frame-special holes back-vertex-distance
source	<xs:element name="right" type="frameSideType"/>

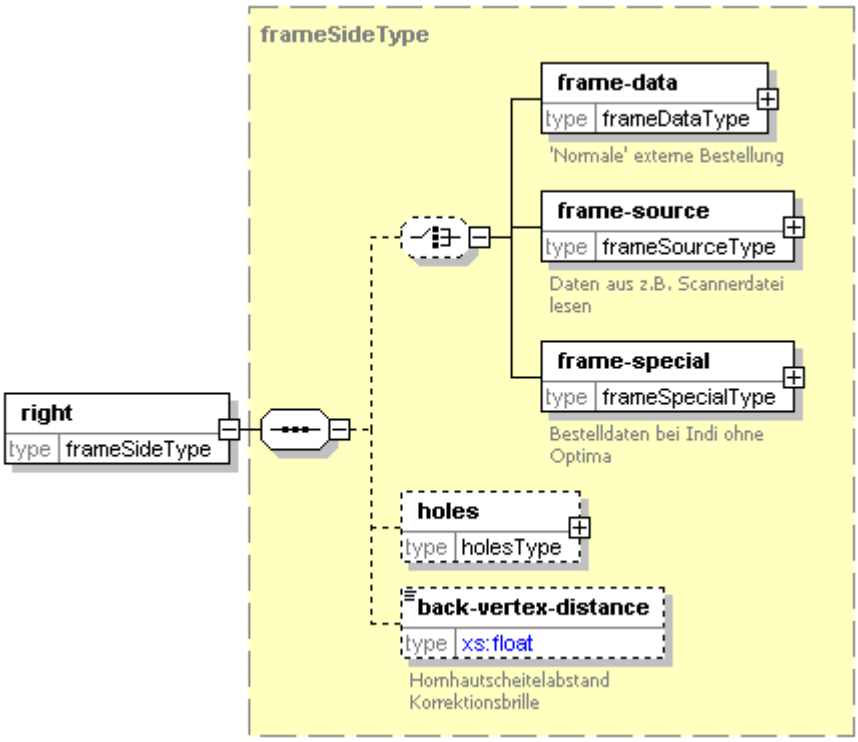
element **frameType/pair/left**

diagram	
type	**frameSideType**
children	**frame-data** **frame-source** **frame-special** **holes** **back-vertex-distance**
source	<xs:element name="left" type="frameSideType"/>

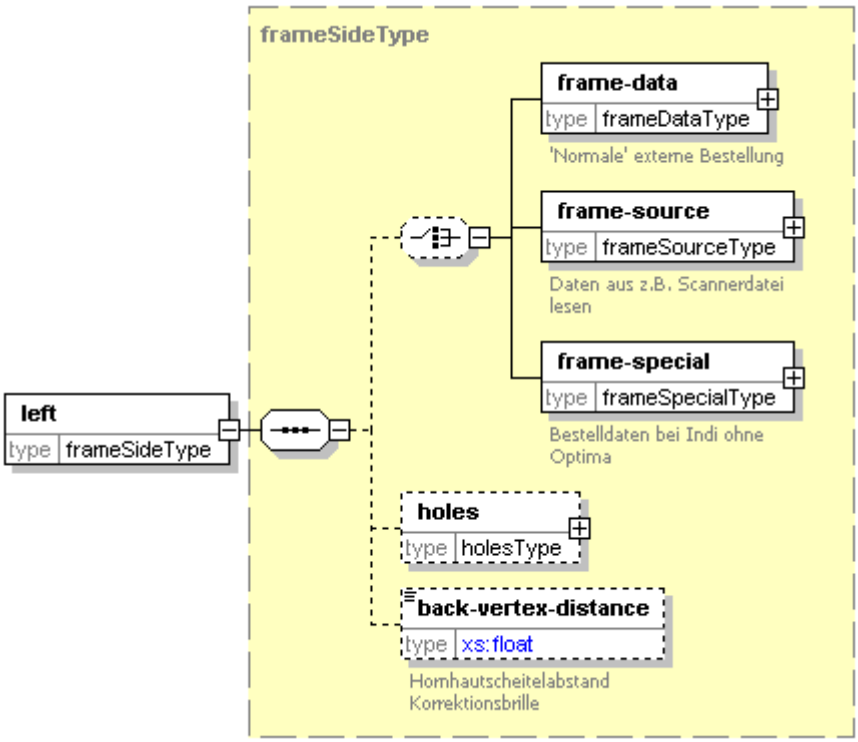
element **frameType/single**

diagram	
children	**right** **left**
source	<xs:element name="single"> <xs:complexType> <xs:choice> <xs:element name="right" type="frameSideType"/> <xs:element name="left" type="frameSideType"/> </xs:choice> </xs:complexType> </xs:element>

element **frameType/single/right**

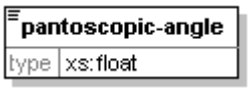
diagram	
type	**frameSideType**
children	**frame-data** **frame-source** **frame-special** **holes** **back-vertex-distance**
source	<xs:element name="right" type="frameSideType"/>

element **frameType/single/left**

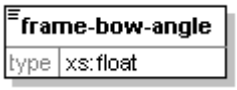
diagram	

type	**frameSideType**
children	**frame-data** **frame-source** **frame-special** **holes** **back-vertex-distance**
source	<xs:element name="left" type="frameSideType"/>

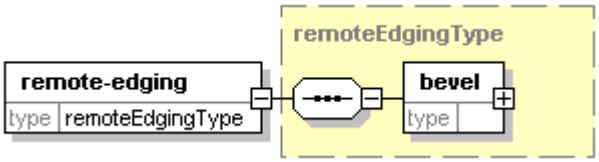
element **frameType/pantoscopic-angle**

diagram	
type	**xs:float**
source	<xs:element name="pantoscopic-angle" type="xs:float" minOccurs="0"/>

element **frameType/frame-bow-angle**

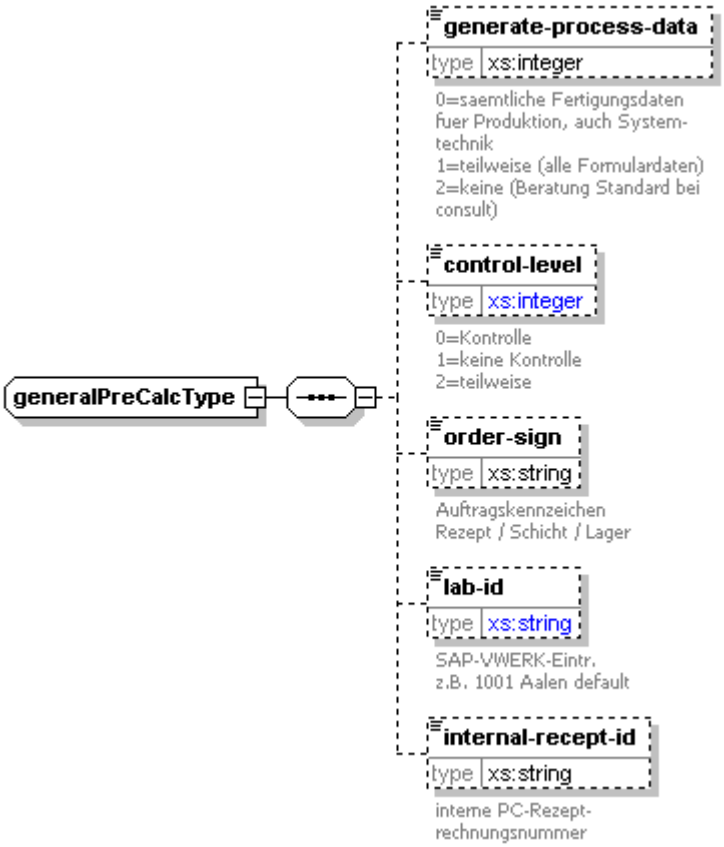
diagram	
type	**xs:float**
source	<xs:element name="frame-bow-angle" type="xs:float" minOccurs="0"/>

element **frameType/remote-edging**

diagram	
type	**remoteEdgingType**
children	**bevel**
source	<xs:element name="remote-edging" type="remoteEdgingType" minOccurs="0"/>

complexType **generalPreCalcType**

diagram



children **generate-process-data** **control-level** **order-sign** **lab-id** **internal-recept-id**

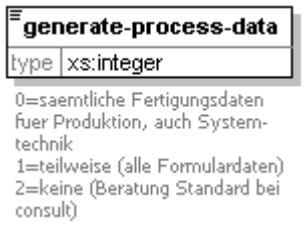
used by element **salesOrderType/general-pre-calc**

source

```
<xs:complexType name="generalPreCalcType">
  <xs:sequence>
    <xs:element name="generate-process-data" type="xs:integer" minOccurs="0">
      <xs:annotation>
        <xs:documentation>0=saemtliche Fertigungsdaten fuer Produktion, auch System- technik
1=teilweise (alle Formulardaten)
2=keine (Beratung Standard bei consult)</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="control-level" minOccurs="0">
      <xs:annotation>
        <xs:documentation>0=Kontrolle
1=keine Kontrolle 2=teilweise</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="1"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="order-sign" type="xs:string" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Auftragskennzeichen
Rezept / Schicht / Lager</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="lab-id" minOccurs="0">
      <xs:annotation>
        <xs:documentation>SAP-VWERK-Eintr.
z.B. 1001 Aalen default</xs:documentation>
      </xs:annotation>
      <xs:complexType>
```

```
      <xs:simpleContent>
        <xs:extension base="xs:string">
          <xs:attribute name="internal-id" use="optional">
            <xs:simpleType>
              <xs:restriction base="xs:int">
                <xs:minInclusive value="1"/>
                <xs:maxInclusive value="99"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:attribute>
        </xs:extension>
      </xs:simpleContent>
    </xs:complexType>
  </xs:element>
  <xs:element name="internal-recept-id" type="xs:string" minOccurs="0">
    <xs:annotation>
      <xs:documentation>interne PC-Rezept- rechnungsnummer</xs:documentation>
    </xs:annotation>
  </xs:element>
 </xs:sequence>
</xs:complexType>
```

element **generalPreCalcType/generate-process-data**

diagram	
type	**xs:integer**
annotation	documentation 0=saemtliche Fertigungsdaten fuer Produktion, auch System- technik 1=teilweise (alle Formulardaten) 2=keine (Beratung Standard bei consult)

source	`<xs:element name="generate-process-data" type="xs:integer" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>0=saemtliche Fertigungsdaten fuer Produktion, auch System- technik`
	`1=teilweise (alle Formulardaten)`
	`2=keine (Beratung Standard bei consult)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **generalPreCalcType/control-level**

diagram	
type	restriction of **xs:integer**
facets	minInclusive 0 maxInclusive 1
annotation	documentation 0=Kontrolle 1=keine Kontrolle 2=teilweise

source	`<xs:element name="control-level" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>0=Kontrolle`
	`1=keine Kontrolle 2=teilweise</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:maxInclusive value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`

	</xs:element>

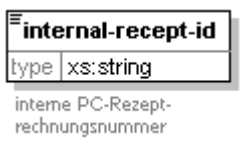
element **generalPreCalcType/order-sign**

diagram	
type	**xs:string**
annotation	documentation Auftragskennzeichen Rezept / Schicht / Lager
source	<xs:element name="order-sign" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Auftragskennzeichen Rezept / Schicht / Lager</xs:documentation> </xs:annotation> </xs:element>

element **generalPreCalcType/lab-id**

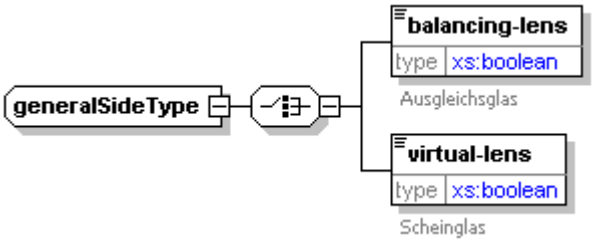
diagram	
type	extension of **xs:string**
attributes	Name: internal-id; Type: xs:int; Use: optional; Default: ; Fixed: ; Annotation:
annotation	documentation SAP-VWERK-Eintr. z.B. 1001 Aalen default
source	<xs:element name="lab-id" minOccurs="0"> <xs:annotation> <xs:documentation>SAP-VWERK-Eintr. z.B. 1001 Aalen default</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="internal-id" use="optional"> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element>

element **generalPreCalcType/internal-recept-id**

diagram	
type	**xs:string**
annotation	documentation interne PC-Rezept- rechnungsnummer
source	<xs:element name="internal-recept-id" type="xs:string" minOccurs="0"> <xs:annotation>

	<xs:documentation>interne PC-Rezept- rechnungsnummer</xs:documentation> </xs:annotation> </xs:element>

complexType **generalSideType**

diagram	
children	**balancing-lens** **virtual-lens**
used by	elements **positionType/pair/general/left** **salesOrderExtType/pair/general/left** **salesOrderType/pair/general/left** **positionType/pair/general/right** **salesOrderExtType/pair/general/right** **salesOrderType/pair/general/right**
source	<xs:complexType name="generalSideType"> <xs:choice> <xs:element name="balancing-lens"> <xs:annotation> <xs:documentation>Ausgleichsglas</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:boolean"/> </xs:simpleContent> </xs:complexType> </xs:element> <xs:element name="virtual-lens"> <xs:annotation> <xs:documentation>Scheinglas</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:boolean"/> </xs:simpleContent> </xs:complexType> </xs:element> </xs:choice> </xs:complexType>

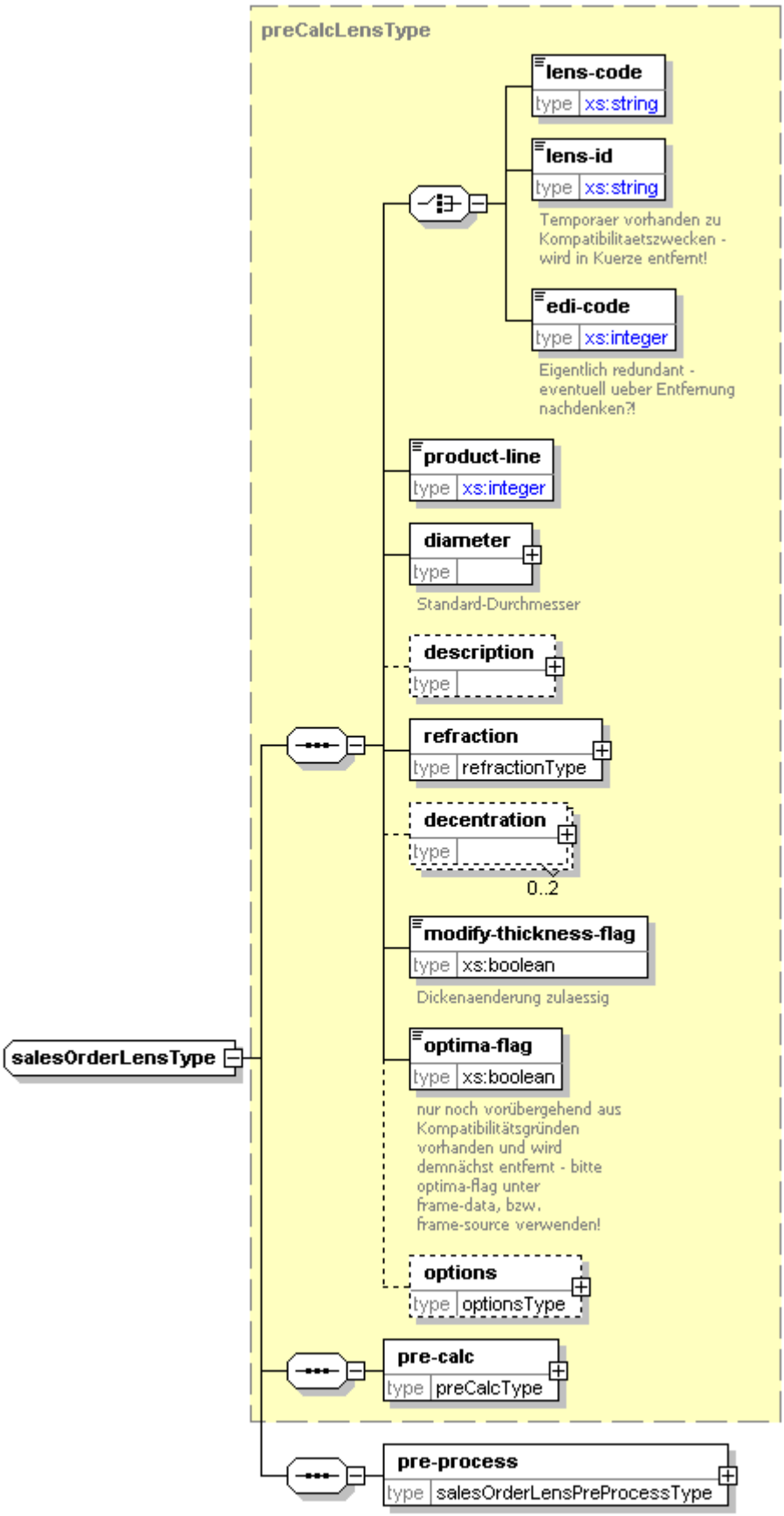
element **generalSideType/balancing-lens**

diagram	
type	extension of **xs:boolean**
annotation	documentation Ausgleichsglas
source	<xs:element name="balancing-lens"> <xs:annotation> <xs:documentation>Ausgleichsglas</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:boolean"/> </xs:simpleContent> </xs:complexType> </xs:element>

element **generalSideType/virtual-lens**

diagram	
type	extension of **xs:boolean**
annotation	documentation Scheinglas
source	<xs:element name="virtual-lens"> <xs:annotation> <xs:documentation>Scheinglas</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:boolean"/> </xs:simpleContent> </xs:complexType> </xs:element>

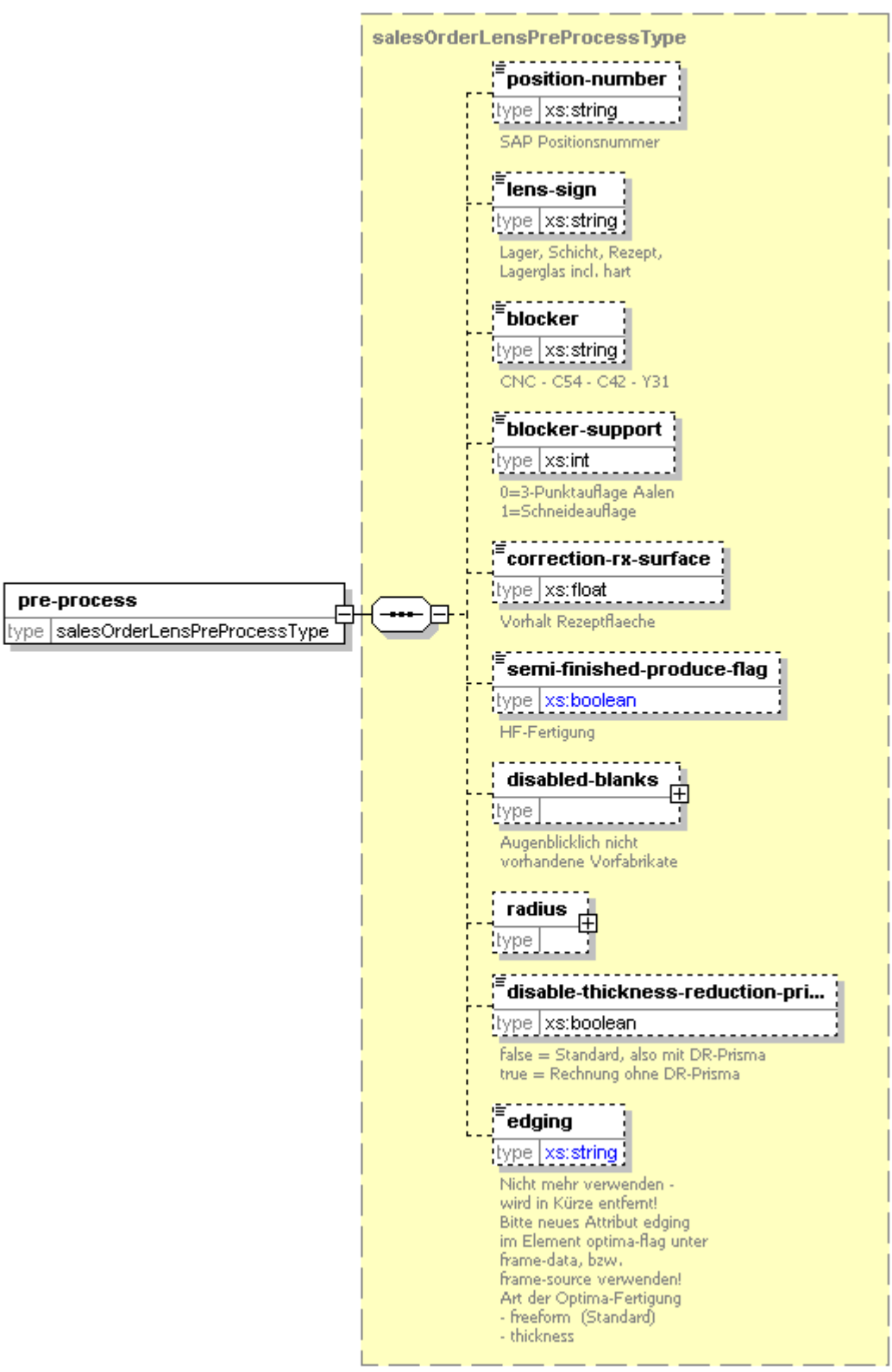
complexType **salesOrderLensType**

diagram	
type	extension of **preCalcLensType**

children	**lens-code** **lens-id** **edi-code** **product-line** **diameter** **description** **refraction** **decentration** **modify-thickness-flag** **optima-flag** **options** **pre-calc** **pre-process**
used by	elements **salesOrderType/pair/left** **salesOrderType/single/left** **salesOrderType/pair/right** **salesOrderType/single/right**
source	<xs:complexType name="salesOrderLensType"> <xs:complexContent> <xs:extension base="preCalcLensType"> <xs:sequence> <xs:element name="pre-process" type="salesOrderLensPreProcessType"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

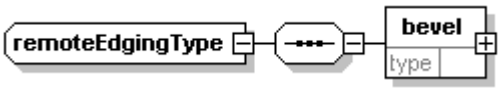
element **salesOrderLensType/pre-process**

diagram

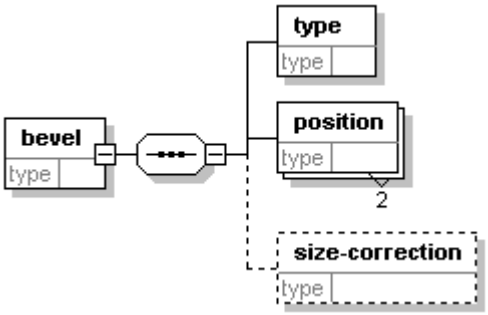


type	salesOrderLensPreProcessType
children	position-number lens-sign blocker blocker-support correction-rx-surface semi-finished-produce-flag disabled-blanks radius disable-thickness-reduction-prism edging
source	<xs:element name="pre-process" type="salesOrderLensPreProcessType"/>

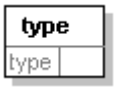
complexType **remoteEdgingType**

diagram	
children	**bevel**
used by	elements **frameExtType/remote-edging** **frameType/remote-edging**
source	<xs:complexType name="remoteEdgingType"> <xs:sequence> <xs:element name="bevel"> <xs:complexType> <xs:sequence> <xs:element name="type"/> <xs:element name="position" minOccurs="2" maxOccurs="2"/> <xs:element name="size-correction" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType>

element **remoteEdgingType/bevel**

diagram	
children	**type** **position** **size-correction**
source	<xs:element name="bevel"> <xs:complexType> <xs:sequence> <xs:element name="type"/> <xs:element name="position" minOccurs="2" maxOccurs="2"/> <xs:element name="size-correction" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

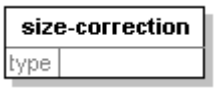
element **remoteEdgingType/bevel/type**

diagram	
source	<xs:element name="type"/>

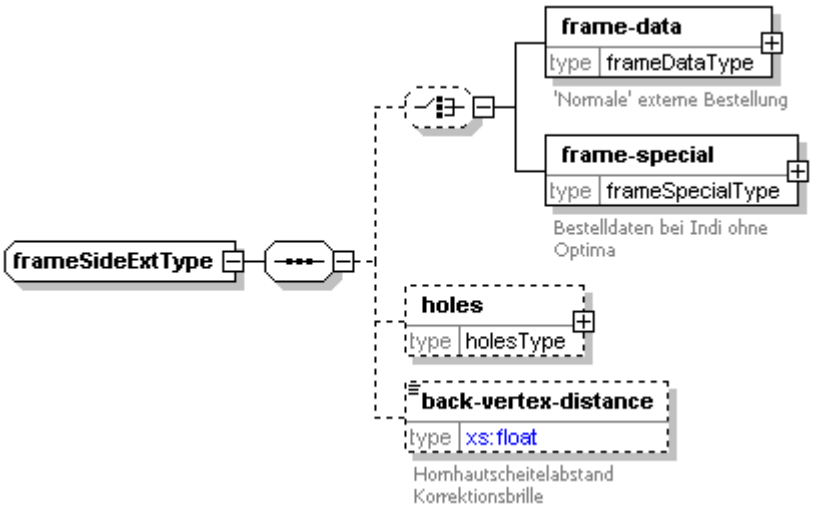
element **remoteEdgingType/bevel/position**

diagram	
source	<xs:element name="position" minOccurs="2" maxOccurs="2"/>

element **remoteEdgingType/bevel/size-correction**

diagram	
source	<xs:element name="size-correction" minOccurs="0"/>

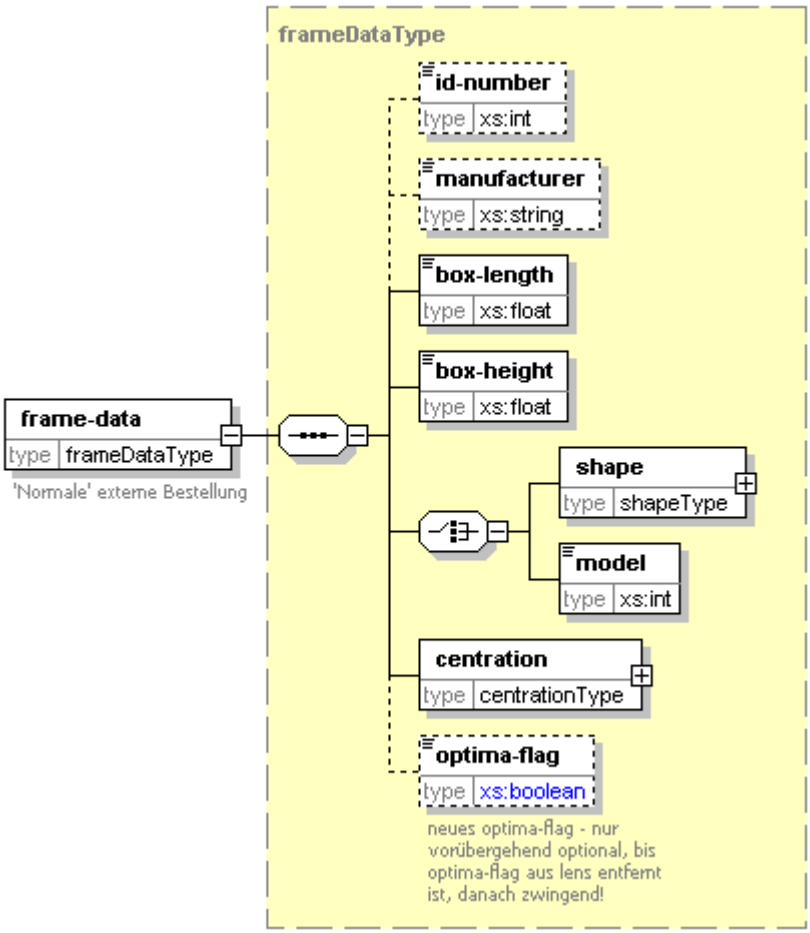
complexType **frameSideExtType**

diagram	
type	restriction of **frameSideType**
children	**frame-data** **frame-special** **holes** **back-vertex-distance**
used by	elements **frameExtType/pair/left** **frameExtType/single/left** **frameExtType/pair/right** **frameExtType/single/right**

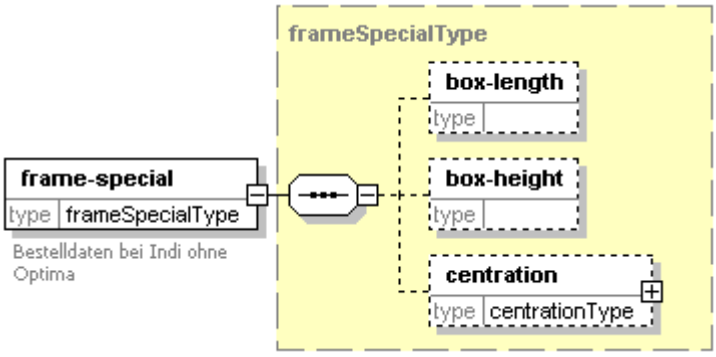
source

```
<xs:complexType name="frameSideExtType">
 <xs:complexContent>
  <xs:restriction base="frameSideType">
   <xs:sequence>
    <xs:choice minOccurs="0">
     <xs:element name="frame-data" type="frameDataType">
      <xs:annotation>
       <xs:documentation>'Normale' externe Bestellung</xs:documentation>
      </xs:annotation>
     </xs:element>
     <xs:element name="frame-special" type="frameSpecialType">
      <xs:annotation>
       <xs:documentation>Bestelldaten bei Indi ohne Optima</xs:documentation>
      </xs:annotation>
     </xs:element>
    </xs:choice>
    <xs:element name="holes" type="holesType" minOccurs="0"/>
    <xs:element name="back-vertex-distance" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Hornhautscheitelabstand Korrektionsbrille</xs:documentation>
     </xs:annotation>
     <xs:complexType>
      <xs:simpleContent>
       <xs:extension base="xs:float"/>
      </xs:simpleContent>
     </xs:complexType>
    </xs:element>
   </xs:sequence>
  </xs:restriction>
 </xs:complexContent>
</xs:complexType>
```

element **frameSideExtType/frame-data**

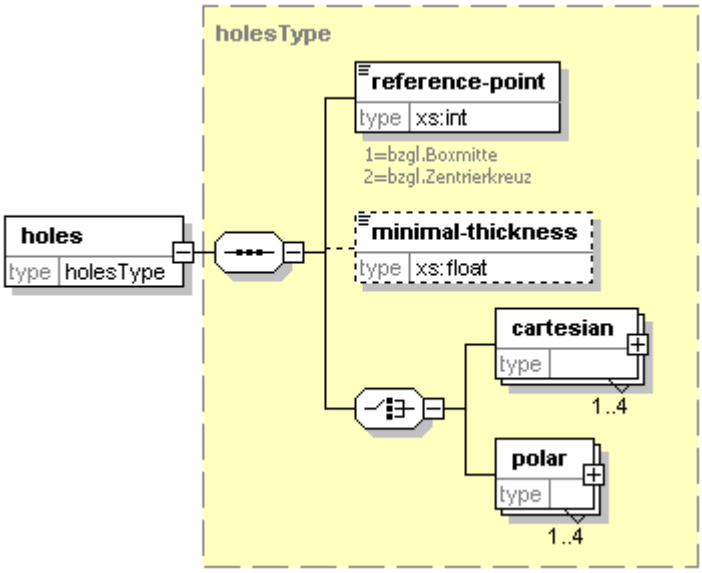
diagram	
type	**frameDataType**
children	**id-number manufacturer box-length box-height shape model centration optima-flag**
annotation	documentation 'Normale' externe Bestellung
source	<xs:element name="frame-data" type="frameDataType"> <xs:annotation> <xs:documentation>'Normale' externe Bestellung</xs:documentation> </xs:annotation> </xs:element>

element **frameSideExtType/frame-special**

diagram	
type	**frameSpecialType**

children	**box-length** **box-height** **centration**
annotation	documentation Bestelldaten bei Indi ohne Optima
source	<xs:element name="frame-special" type="frameSpecialType"> <xs:annotation> <xs:documentation>Bestelldaten bei Indi ohne Optima</xs:documentation> </xs:annotation> </xs:element>

element **frameSideExtType/holes**

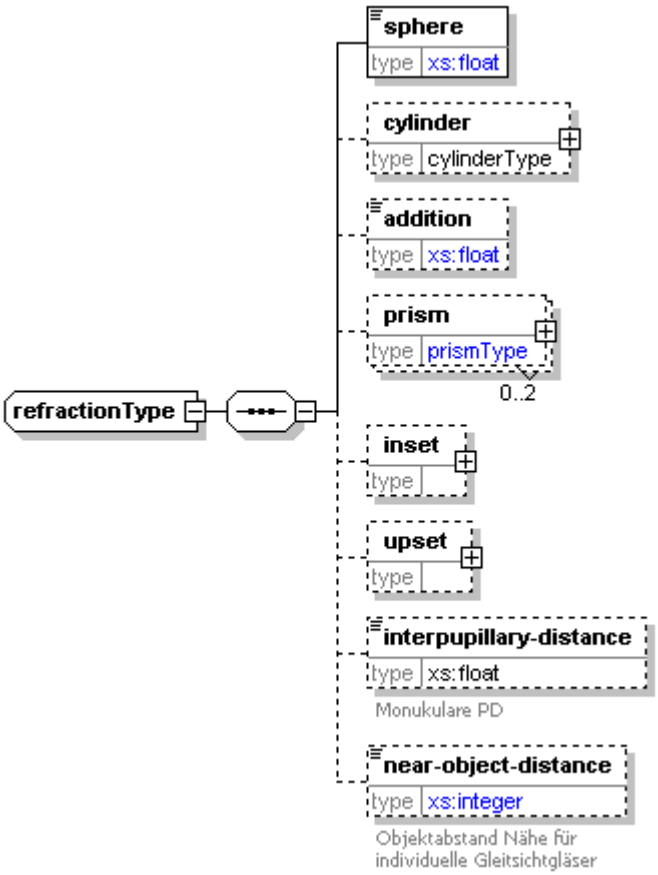
diagram	
type	**holesType**
children	**reference-point** **minimal-thickness** **cartesian** **polar**
source	<xs:element name="holes" type="holesType" minOccurs="0"/>

element **frameSideExtType/back-vertex-distance**

diagram	
type	extension of **xs:float**
annotation	documentation Hornhautscheitelabstand Korrektionsbrille
source	<xs:element name="back-vertex-distance" minOccurs="0"> <xs:annotation> <xs:documentation>Hornhautscheitelabstand Korrektionsbrille</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:float"/> </xs:simpleContent> </xs:complexType> </xs:element>

complexType **refractionType**

diagram



children **sphere cylinder addition prism inset upset interpupillary-distance near-object-distance**

used by element **lensType/refraction**

source

```
<xs:complexType name="refractionType">
 <xs:sequence>
  <xs:element name="sphere">
   <xs:simpleType>
    <xs:restriction base="xs:float">
     <xs:minInclusive value="-50"/>
     <xs:maxInclusive value="50"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="cylinder" type="cylinderType" minOccurs="0"/>
  <xs:element name="addition" minOccurs="0">
   <xs:simpleType>
    <xs:restriction base="xs:float">
     <xs:minInclusive value="0.25"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="prism" minOccurs="0" maxOccurs="2">
   <xs:complexType>
    <xs:complexContent>
     <xs:extension base="prismType">
      <xs:attribute name="pupillary-distance-correction" use="optional">
       <xs:simpleType>
        <xs:restriction base="xs:int">
         <xs:enumeration value="0"/>
         <xs:enumeration value="1"/>
         <xs:enumeration value="2"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:attribute>
     </xs:extension>
```

```
      </xs:complexContent>
    </xs:complexType>
  </xs:element>
  <xs:element name="inset" minOccurs="0">
    <xs:complexType>
      <xs:choice>
        <xs:element name="null">
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:enumeration value="null"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="value" type="xs:float"/>
        <xs:sequence>
          <xs:element name="z" type="xs:float"/>
          <xs:element name="q" type="xs:float">
            <xs:annotation>
              <xs:documentation>Nah-PD</xs:documentation>
            </xs:annotation>
          </xs:element>
        </xs:sequence>
      </xs:choice>
    </xs:complexType>
  </xs:element>
  <xs:element name="upset" minOccurs="0">
    <xs:complexType>
      <xs:choice>
        <xs:element name="null" type="xs:string"/>
        <xs:element name="value" type="xs:float"/>
        <xs:sequence>
          <xs:element name="y" type="xs:float"/>
          <xs:element name="h" type="xs:float"/>
        </xs:sequence>
      </xs:choice>
    </xs:complexType>
  </xs:element>
  <xs:element name="interpupillary-distance" type="xs:float" minOccurs="0">
    <xs:annotation>
      <xs:documentation>Monukulare PD</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="near-object-distance" minOccurs="0">
    <xs:annotation>
      <xs:documentation>Objektabstand Nähe für individuelle Gleitsichtgläser</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="xs:integer">
        <xs:maxInclusive value="4444"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
 </xs:sequence>
</xs:complexType>
```

element **refractionType/sphere**

diagram

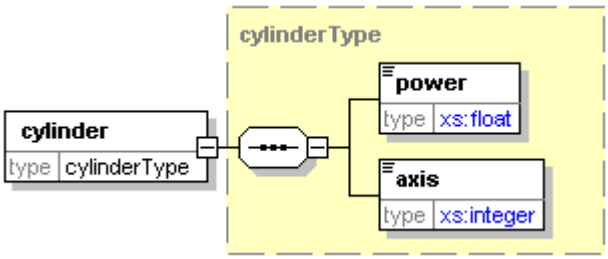
type: restriction of **xs:float**

facets:
- minInclusive -50
- maxInclusive 50

source

```
<xs:element name="sphere">
  <xs:simpleType>
    <xs:restriction base="xs:float">
      <xs:minInclusive value="-50"/>
      <xs:maxInclusive value="50"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

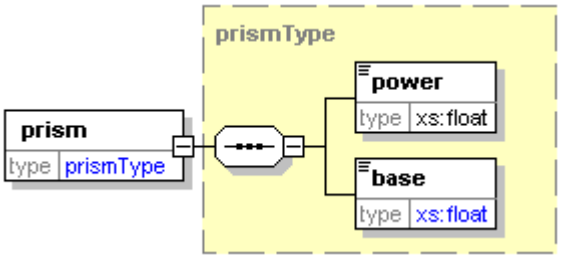
element **refractionType/cylinder**

diagram	
type	**cylinderType**
children	**power** **axis**
source	<xs:element name="cylinder" type="cylinderType" minOccurs="0"/>

element **refractionType/addition**

diagram	
type	restriction of **xs:float**
facets	minInclusive 0.25
source	<xs:element name="addition" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0.25"/> </xs:restriction> </xs:simpleType> </xs:element>

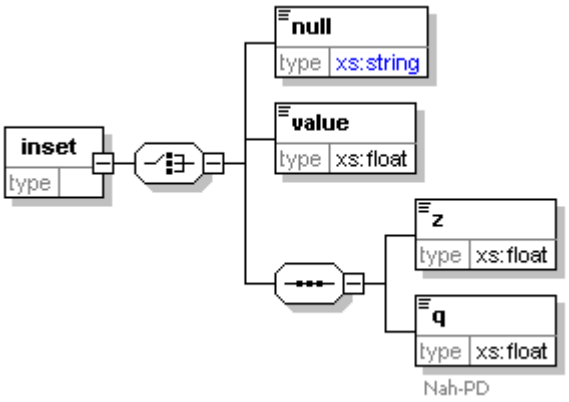
element **refractionType/prism**

diagram	
type	extension of **prismType**
children	**power** **base**
attributes	Name: pupillary-distance-correction; Type: xs:int; Use: optional; Default: ; Fixed: ; Annotation:
source	<xs:element name="prism" minOccurs="0" maxOccurs="2"> <xs:complexType> <xs:complexContent> <xs:extension base="prismType"> <xs:attribute name="pupillary-distance-correction" use="optional"> <xs:simpleType> <xs:restriction base="xs:int"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> </xs:restriction> </xs:simpleType>

```
      </xs:attribute>
     </xs:extension>
    </xs:complexContent>
   </xs:complexType>
</xs:element>
```

element **refractionType/inset**

diagram



children **null value z q**

source

```
<xs:element name="inset" minOccurs="0">
 <xs:complexType>
  <xs:choice>
   <xs:element name="null">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:enumeration value="null"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="value" type="xs:float"/>
   <xs:sequence>
    <xs:element name="z" type="xs:float"/>
    <xs:element name="q" type="xs:float">
     <xs:annotation>
      <xs:documentation>Nah-PD</xs:documentation>
     </xs:annotation>
    </xs:element>
   </xs:sequence>
  </xs:choice>
 </xs:complexType>
</xs:element>
```

element **refractionType/inset/null**

diagram

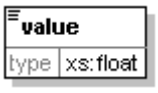
type restriction of **xs:string**

facets enumeration null

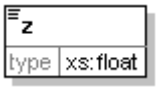
source

```
<xs:element name="null">
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:enumeration value="null"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

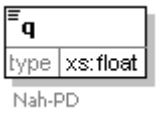
element **refractionType/inset/value**

diagram	
type	**xs:float**
source	<xs:element name="value" type="xs:float"/>

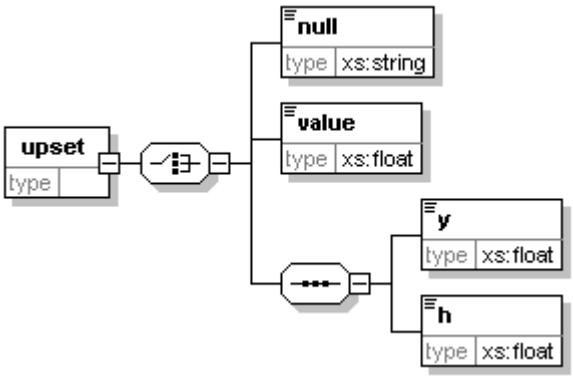
element **refractionType/inset/z**

diagram	
type	**xs:float**
source	<xs:element name="z" type="xs:float"/>

element **refractionType/inset/q**

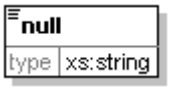
diagram	
type	**xs:float**
annotation	documentation Nah-PD
source	<xs:element name="q" type="xs:float"> <xs:annotation> <xs:documentation>Nah-PD</xs:documentation> </xs:annotation> </xs:element>

element **refractionType/upset**

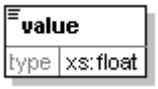
diagram	
children	**null value y h**
source	<xs:element name="upset" minOccurs="0"> <xs:complexType> <xs:choice> <xs:element name="null" type="xs:string"/> <xs:element name="value" type="xs:float"/> <xs:sequence> <xs:element name="y" type="xs:float"/> <xs:element name="h" type="xs:float"/> </xs:sequence> </xs:choice> </xs:complexType>

	</xs:element>

element **refractionType/upset/null**

diagram	
type	**xs:string**
source	<xs:element name="null" type="xs:string"/>

element **refractionType/upset/value**

diagram	
type	**xs:float**
source	<xs:element name="value" type="xs:float"/>

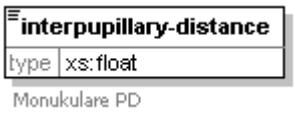
element **refractionType/upset/y**

diagram	
type	**xs:float**
source	<xs:element name="y" type="xs:float"/>

element **refractionType/upset/h**

diagram	
type	**xs:float**
source	<xs:element name="h" type="xs:float"/>

element **refractionType/interpupillary-distance**

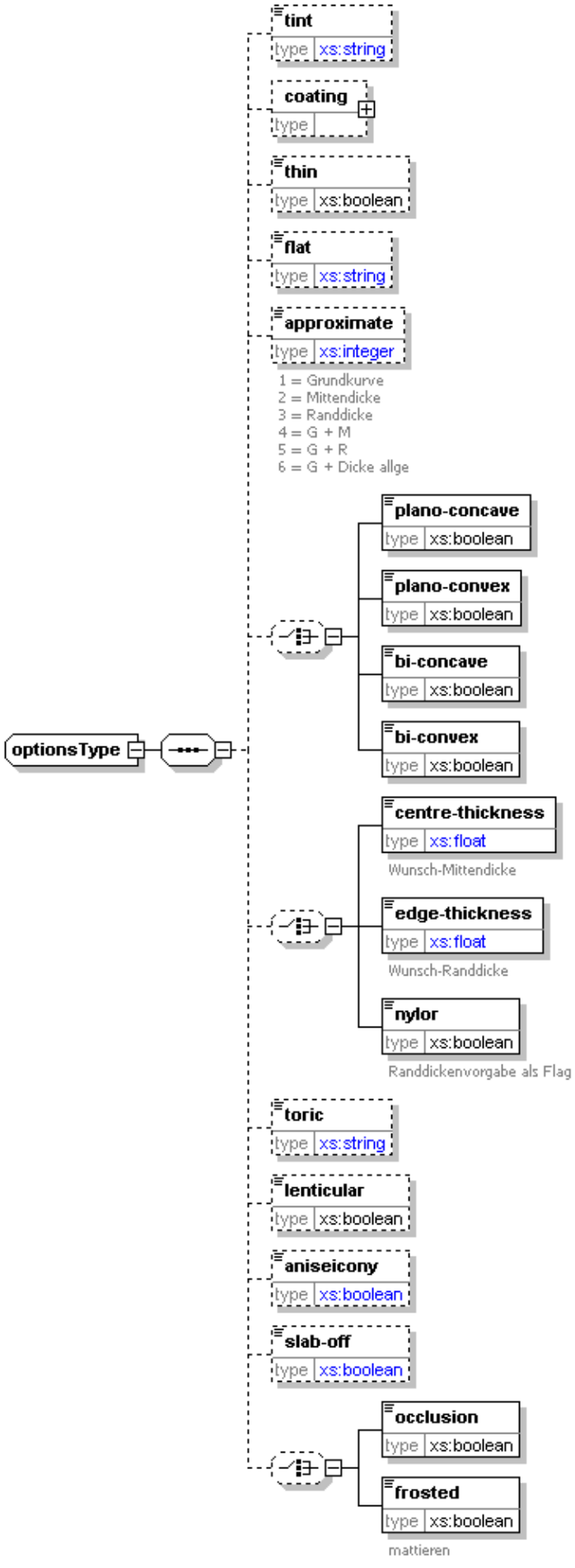
diagram	
type	**xs:float**
annotation	documentation Monukulare PD
source	<xs:element name="interpupillary-distance" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Monukulare PD</xs:documentation> </xs:annotation> </xs:element>

element **refractionType/near-object-distance**

diagram	
type	restriction of **xs:integer**
facets	maxInclusive 4444
annotation	documentation Objektabstand Nähe für individuelle Gleitsichtgläser
source	<xs:element name="near-object-distance" minOccurs="0"> <xs:annotation> <xs:documentation>Objektabstand Nähe für individuelle Gleitsichtgläser</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:maxInclusive value="4444"/> </xs:restriction> </xs:simpleType> </xs:element>

complexType **optionsType**

diagram


optionsType
tint
type xs:string
coating
type
thin
type xs:boolean
flat
type xs:string
approximate
type xs:integer
1 = Grundkurve
2 = Mittendicke
3 = Randdicke
4 = G + M
5 = G + R
6 = G + Dicke allge
plano-concave
type xs:boolean
plano-convex
type xs:boolean
bi-concave
type xs:boolean
bi-convex
type xs:boolean
centre-thickness
type xs:float
Wunsch-Mittendicke
edge-thickness
type xs:float
Wunsch-Randdicke
nylor
type xs:boolean
Randdickenvorgabe als Flag
toric
type xs:string
lenticular
type xs:boolean
aniseicony
type xs:boolean
slab-off
type xs:boolean
occlusion
type xs:boolean
frosted
type xs:boolean
mattieren

children	**tint coating thin flat approximate plano-concave plano-convex bi-concave bi-convex centre-thickness edge-thickness nylor toric lenticular aniseicony slab-off occlusion frosted**
used by	element **lensType/options**

source

```
<xs:complexType name="optionsType">
 <xs:sequence>
  <xs:element name="tint" minOccurs="0">
   <xs:complexType>
    <xs:simpleContent>
     <xs:extension base="xs:string">
      <xs:attribute name="note" type="xs:string" use="optional"/>
     </xs:extension>
    </xs:simpleContent>
   </xs:complexType>
  </xs:element>
  <xs:element name="coating" minOccurs="0">
   <xs:complexType>
    <xs:sequence>
     <xs:element name="antireflection" minOccurs="0">
      <xs:complexType>
       <xs:simpleContent>
        <xs:extension base="xs:string">
         <xs:attribute name="side" use="required">
          <xs:simpleType>
           <xs:restriction base="xs:string">
            <xs:enumeration value="both"/>
            <xs:enumeration value="front"/>
            <xs:enumeration value="back"/>
           </xs:restriction>
          </xs:simpleType>
         </xs:attribute>
        </xs:extension>
       </xs:simpleContent>
      </xs:complexType>
     </xs:element>
     <xs:element name="hard" type="xs:string" minOccurs="0"/>
     <xs:choice minOccurs="0">
      <xs:element name="tint">
       <xs:annotation>
        <xs:documentation>Umbra</xs:documentation>
       </xs:annotation>
       <xs:complexType>
        <xs:simpleContent>
         <xs:extension base="xs:string">
          <xs:attribute name="side" use="optional">
           <xs:simpleType>
            <xs:restriction base="xs:string">
             <xs:enumeration value="both"/>
             <xs:enumeration value="front"/>
             <xs:enumeration value="back"/>
            </xs:restriction>
           </xs:simpleType>
          </xs:attribute>
         </xs:extension>
        </xs:simpleContent>
       </xs:complexType>
      </xs:element>
      <xs:element name="uv-protection" type="xs:string"/>
     </xs:choice>
    </xs:sequence>
   </xs:complexType>
  </xs:element>
  <xs:element name="thin" type="xs:boolean" minOccurs="0"/>
  <xs:element name="flat" minOccurs="0">
   <xs:simpleType>
    <xs:restriction base="xs:string">
     <xs:enumeration value="flat"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="approximate" minOccurs="0">
   <xs:annotation>
    <xs:documentation>1 = Grundkurve
2 = Mittendicke
3 = Randdicke
4 = G + M
```

```
5 = G + R
6 = G + Dicke allge</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:simpleContent>
        <xs:extension base="xs:integer"/>
      </xs:simpleContent>
    </xs:complexType>
  </xs:element>
  <xs:choice minOccurs="0">
    <xs:element name="plano-concave" type="xs:boolean"/>
    <xs:element name="plano-convex" type="xs:boolean"/>
    <xs:element name="bi-concave" type="xs:boolean"/>
    <xs:element name="bi-convex" type="xs:boolean"/>
  </xs:choice>
  <xs:choice minOccurs="0">
    <xs:element name="centre-thickness">
      <xs:annotation>
        <xs:documentation>Wunsch-Mittendicke</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minExclusive value="0.2"/>
          <xs:maxExclusive value="30.0"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="edge-thickness">
      <xs:annotation>
        <xs:documentation>Wunsch-Randdicke</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minExclusive value="0.2"/>
          <xs:maxExclusive value="30.0"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="nylor" type="xs:boolean">
      <xs:annotation>
        <xs:documentation>Randdickenvorgabe als Flag</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:choice>
  <xs:element name="toric" default="back" minOccurs="0">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="front"/>
        <xs:enumeration value="back"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="lenticular" type="xs:boolean" minOccurs="0"/>
  <xs:element name="aniseicony" minOccurs="0">
    <xs:complexType>
      <xs:simpleContent>
        <xs:extension base="xs:boolean">
          <xs:attribute name="value" type="xs:float" use="optional"/>
        </xs:extension>
      </xs:simpleContent>
    </xs:complexType>
  </xs:element>
  <xs:element name="slab-off" minOccurs="0">
    <xs:complexType>
      <xs:simpleContent>
        <xs:extension base="xs:boolean">
          <xs:attribute name="value" use="optional">
            <xs:simpleType>
              <xs:restriction base="xs:float">
                <xs:minInclusive value="1.3"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:attribute>
        </xs:extension>
      </xs:simpleContent>
    </xs:complexType>
  </xs:element>
```

```
    <xs:choice minOccurs="0">
      <xs:element name="occlusion" type="xs:boolean"/>
      <xs:element name="frosted" type="xs:boolean">
        <xs:annotation>
          <xs:documentation>mattieren</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:choice>
  </xs:sequence>
</xs:complexType>
```

element **optionsType/tint**

diagram

type: extension of **xs:string**

attributes

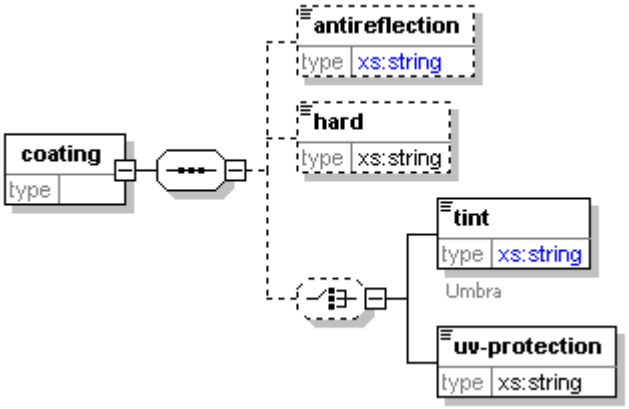
Name	Type	Use	Default	Fixed	Annotation
note	xs:string	optional			

source

```
<xs:element name="tint" minOccurs="0">
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:string">
        <xs:attribute name="note" type="xs:string" use="optional"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

element **optionsType/coating**

diagram



children **antireflection** **hard** **tint** **uv-protection**

source

```
<xs:element name="coating" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="antireflection" minOccurs="0">
        <xs:complexType>
          <xs:simpleContent>
            <xs:extension base="xs:string">
              <xs:attribute name="side" use="required">
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:enumeration value="both"/>
                    <xs:enumeration value="front"/>
                    <xs:enumeration value="back"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:attribute>
            </xs:extension>
          </xs:simpleContent>
        </xs:complexType>
      </xs:element>
      <xs:element name="hard" type="xs:string" minOccurs="0"/>
```

```
      <xs:choice minOccurs="0">
       <xs:element name="tint">
        <xs:annotation>
         <xs:documentation>Umbra</xs:documentation>
        </xs:annotation>
        <xs:complexType>
         <xs:simpleContent>
          <xs:extension base="xs:string">
           <xs:attribute name="side" use="optional">
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:enumeration value="both"/>
              <xs:enumeration value="front"/>
              <xs:enumeration value="back"/>
             </xs:restriction>
            </xs:simpleType>
           </xs:attribute>
          </xs:extension>
         </xs:simpleContent>
        </xs:complexType>
       </xs:element>
       <xs:element name="uv-protection" type="xs:string"/>
      </xs:choice>
     </xs:sequence>
    </xs:complexType>
</xs:element>
```

element **optionsType/coating/antireflection**

diagram

type: extension of **xs:string**

attributes

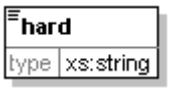
Name	Type	Use	Default	Fixed	Annotation
side	xs:string	required			

source

```
<xs:element name="antireflection" minOccurs="0">
 <xs:complexType>
  <xs:simpleContent>
   <xs:extension base="xs:string">
    <xs:attribute name="side" use="required">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:enumeration value="both"/>
       <xs:enumeration value="front"/>
       <xs:enumeration value="back"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:attribute>
   </xs:extension>
  </xs:simpleContent>
 </xs:complexType>
</xs:element>
```

element **optionsType/coating/hard**

diagram



type: **xs:string**

source

```
<xs:element name="hard" type="xs:string" minOccurs="0"/>
```

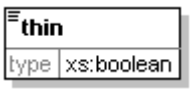
element **optionsType/coating/tint**

diagram	
type	extension of **xs:string**
attributes	Name: side; Type: xs:string; Use: optional; Default: ; Fixed: ; Annotation:
annotation	documentation Umbra
source	<xs:element name="tint"> <xs:annotation> <xs:documentation>Umbra</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="side" use="optional"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="both"/> <xs:enumeration value="front"/> <xs:enumeration value="back"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element>

element **optionsType/coating/uv-protection**

diagram	
type	**xs:string**
source	<xs:element name="uv-protection" type="xs:string"/>

element **optionsType/thin**

diagram	
type	**xs:boolean**
source	<xs:element name="thin" type="xs:boolean" minOccurs="0"/>

element **optionsType/flat**

diagram	
type	restriction of **xs:string**
facets	enumeration flat
source	<xs:element name="flat" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="flat"/>

```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **optionsType/approximate**

diagram

type: extension of **xs:integer**

annotation

documentation:
1 = Grundkurve
2 = Mittendicke
3 = Randdicke
4 = G + M
5 = G + R
6 = G + Dicke allge

source

```
<xs:element name="approximate" minOccurs="0">
  <xs:annotation>
    <xs:documentation>1 = Grundkurve
2 = Mittendicke
3 = Randdicke
4 = G + M
5 = G + R
6 = G + Dicke allge</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:integer"/>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

element **optionsType/plano-concave**

diagram

type: **xs:boolean**

source

```
<xs:element name="plano-concave" type="xs:boolean"/>
```

element **optionsType/plano-convex**

diagram

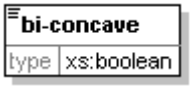
type: **xs:boolean**

source

```
<xs:element name="plano-convex" type="xs:boolean"/>
```

element **optionsType/bi-concave**

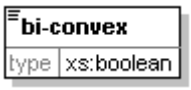
diagram



type: **xs:boolean**

source	<xs:element name="bi-concave" type="xs:boolean"/>

element **optionsType/bi-convex**

diagram	
type	**xs:boolean**
source	<xs:element name="bi-convex" type="xs:boolean"/>

element **optionsType/centre-thickness**

diagram	
type	restriction of **xs:float**
facets	minExclusive 0.2 maxExclusive 30.0
annotation	documentation Wunsch-Mittendicke
source	<xs:element name="centre-thickness"> <xs:annotation> <xs:documentation>Wunsch-Mittendicke</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minExclusive value="0.2"/> <xs:maxExclusive value="30.0"/> </xs:restriction> </xs:simpleType> </xs:element>

element **optionsType/edge-thickness**

diagram	
type	restriction of **xs:float**
facets	minExclusive 0.2 maxExclusive 30.0
annotation	documentation Wunsch-Randdicke
source	<xs:element name="edge-thickness"> <xs:annotation> <xs:documentation>Wunsch-Randdicke</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minExclusive value="0.2"/> <xs:maxExclusive value="30.0"/> </xs:restriction> </xs:simpleType> </xs:element>

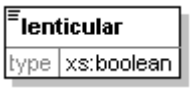
element **optionsType/nylor**

diagram	
type	**xs:boolean**
annotation	documentation Randdickenvorgabe als Flag
source	<xs:element name="nylor" type="xs:boolean"> <xs:annotation> <xs:documentation>Randdickenvorgabe als Flag</xs:documentation> </xs:annotation> </xs:element>

element **optionsType/toric**

diagram	
type	restriction of **xs:string**
facets	enumeration front enumeration back
source	<xs:element name="toric" default="back" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="front"/> <xs:enumeration value="back"/> </xs:restriction> </xs:simpleType> </xs:element>

element **optionsType/lenticular**

diagram	
type	**xs:boolean**
source	<xs:element name="lenticular" type="xs:boolean" minOccurs="0"/>

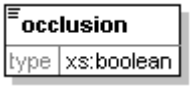
element **optionsType/aniseicony**

diagram	
type	extension of **xs:boolean**
attributes	Name: value; Type: xs:float; Use: optional; Default: ; Fixed: ; Annotation:
source	<xs:element name="aniseicony" minOccurs="0"> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:boolean"> <xs:attribute name="value" type="xs:float" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element>

element **optionsType/slab-off**

diagram	
type	extension of **xs:boolean**
attributes	Name: value; Type: xs:float; Use: optional; Default: ; Fixed: ; Annotation:
source	<xs:element name="slab-off" minOccurs="0"> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:boolean"> <xs:attribute name="value" use="optional"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="1.3"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element>

element **optionsType/occlusion**

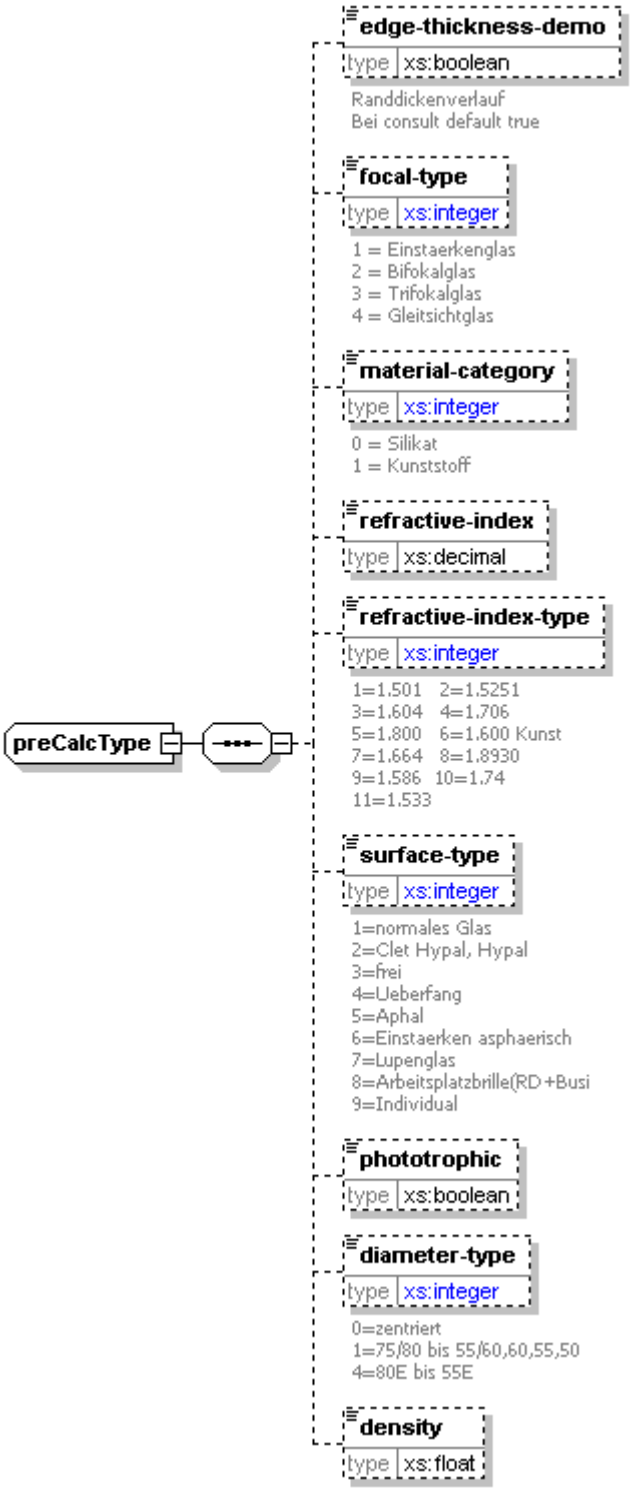
diagram	
type	**xs:boolean**
source	<xs:element name="occlusion" type="xs:boolean"/>

element **optionsType/frosted**

diagram	
type	**xs:boolean**
annotation	documentation mattieren
source	<xs:element name="frosted" type="xs:boolean"> <xs:annotation> <xs:documentation>mattieren</xs:documentation> </xs:annotation> </xs:element>

complexType **preCalcType**

diagram



children **edge-thickness-demo** **focal-type** **material-category** **refractive-index** **refractive-index-type** **surface-type** **phototrophic** **diameter-type** **density**

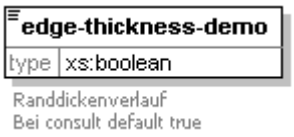
used by element **preCalcLensType/pre-calc**

source

```
<xs:complexType name="preCalcType">
  <xs:sequence>
    <xs:element name="edge-thickness-demo" type="xs:boolean" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Randdickenverlauf
Bei consult default true</xs:documentation>
```

```
      </xs:annotation>
    </xs:element>
    <xs:element name="focal-type" minOccurs="0">
      <xs:annotation>
        <xs:documentation>1 = Einstaerkenglas
2 = Bifokalglas
3 = Trifokalglas
4 = Gleitsichtglas</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="1"/>
          <xs:maxInclusive value="4"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="material-category" minOccurs="0">
      <xs:annotation>
        <xs:documentation>0 = Silikat
1 = Kunststoff</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="1"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="refractive-index" type="xs:decimal" minOccurs="0"/>
    <xs:element name="refractive-index-type" minOccurs="0">
      <xs:annotation>
        <xs:documentation>1=1.501   2=1.5251   3=1.604   4=1.706
5=1.800   6=1.600 Kunst
7=1.664   8=1.8930
9=1.586  10=1.74
11=1.533</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="1"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="surface-type" minOccurs="0">
      <xs:annotation>
        <xs:documentation>1=normales Glas
2=Clet Hypal, Hypal
3=frei
4=Ueberfang
5=Aphal
6=Einstaerken asphaerisch
7=Lupenglas
8=Arbeitsplatzbrille(RD+Busi
9=Individual</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="1"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="phototrophic" type="xs:boolean" minOccurs="0"/>
    <xs:element name="diameter-type" minOccurs="0">
      <xs:annotation>
        <xs:documentation>0=zentriert
1=75/80 bis 55/60,60,55,50
4=80E bis 55E  </xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="0"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="density" type="xs:float" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

element **preCalcType/edge-thickness-demo**

diagram	
type	**xs:boolean**
annotation	documentation Randdickenverlauf Bei consult default true
source	<xs:element name="edge-thickness-demo" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>Randdickenverlauf Bei consult default true</xs:documentation> </xs:annotation> </xs:element>

element **preCalcType/focal-type**

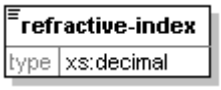
diagram	
type	restriction of **xs:integer**
facets	minInclusive 1 maxInclusive 4
annotation	documentation 1 = Einstaerkenglas 2 = Bifokalglas 3 = Trifokalglas 4 = Gleitsichtglas
source	<xs:element name="focal-type" minOccurs="0"> <xs:annotation> <xs:documentation>1 = Einstaerkenglas 2 = Bifokalglas 3 = Trifokalglas 4 = Gleitsichtglas</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="4"/> </xs:restriction> </xs:simpleType> </xs:element>

element **preCalcType/material-category**

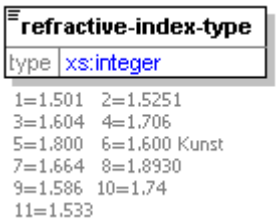
diagram	
type	restriction of **xs:integer**
facets	minInclusive 0 maxInclusive 1
annotation	documentation 0 = Silikat 1 = Kunststoff
source	<xs:element name="material-category" minOccurs="0"> <xs:annotation> <xs:documentation>0 = Silikat

	1 = Kunststoff</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0"/> <xs:maxInclusive value="1"/> </xs:restriction> </xs:simpleType> </xs:element>

element **preCalcType/refractive-index**

diagram	
type	**xs:decimal**
source	<xs:element name="refractive-index" type="xs:decimal" minOccurs="0"/>

element **preCalcType/refractive-index-type**

diagram	
type	restriction of **xs:integer**
facets	minInclusive 1
annotation	documentation 1=1.501 2=1.5251 3=1.604 4=1.706 5=1.800 6=1.600 Kunst 7=1.664 8=1.8930 9=1.586 10=1.74 11=1.533
source	<xs:element name="refractive-index-type" minOccurs="0"> <xs:annotation> <xs:documentation>1=1.501 2=1.5251 3=1.604 4=1.706 5=1.800 6=1.600 Kunst 7=1.664 8=1.8930 9=1.586 10=1.74 11=1.533</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType> </xs:element>

element **preCalcType/surface-type**

diagram	

type	restriction of **xs:integer**
facets	minInclusive 1
annotation	documentation 1=normales Glas 2=Clet Hypal, Hypal 3=frei 4=Ueberfang 5=Aphal 6=Einstaerken asphaerisch 7=Lupenglas 8=Arbeitsplatzbrille(RD+Busi 9=Individual
source	<xs:element name="surface-type" minOccurs="0"> <xs:annotation> <xs:documentation>1=normales Glas 2=Clet Hypal, Hypal 3=frei 4=Ueberfang 5=Aphal 6=Einstaerken asphaerisch 7=Lupenglas 8=Arbeitsplatzbrille(RD+Busi 9=Individual</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType> </xs:element>

element **preCalcType/phototrophic**

diagram	
type	**xs:boolean**
source	<xs:element name="phototrophic" type="xs:boolean" minOccurs="0"/>

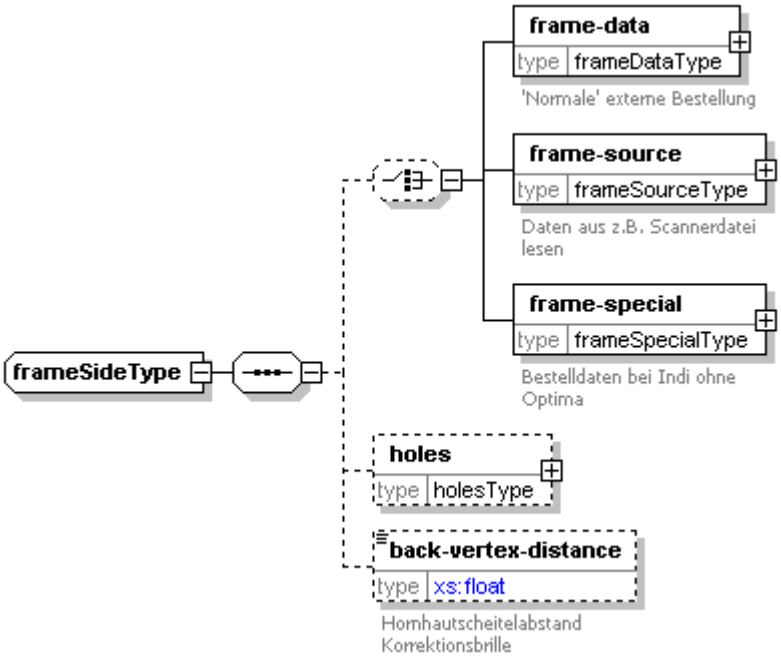
element **preCalcType/diameter-type**

diagram	
type	restriction of **xs:integer**
facets	minInclusive 0
annotation	documentation 0=zentriert 1=75/80 bis 55/60,60,55,50 4=80E bis 55E
source	<xs:element name="diameter-type" minOccurs="0"> <xs:annotation> <xs:documentation>0=zentriert 1=75/80 bis 55/60,60,55,50 4=80E bis 55E </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element>

element **preCalcType/density**

diagram	
type	**xs:float**
source	<xs:element name="density" type="xs:float" minOccurs="0"/>

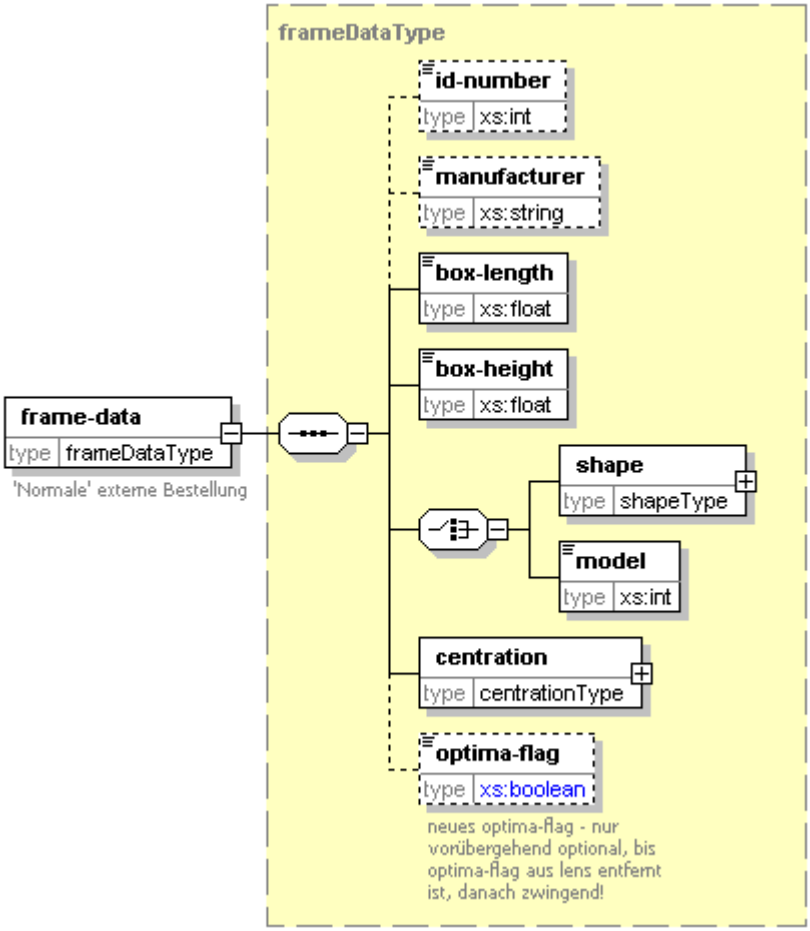
complexType **frameSideType**

diagram	
children	**frame-data** **frame-source** **frame-special** **holes** **back-vertex-distance**
used by	elements **frameType/pair/left** **frameType/single/left** **frameType/pair/right** **frameType/single/right** complexType **frameSideExtType**
source	<xs:complexType name="frameSideType"> <xs:sequence> <xs:choice minOccurs="0"> <xs:element name="frame-data" type="frameDataType"> <xs:annotation> <xs:documentation>'Normale' externe Bestellung</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-source" type="frameSourceType"> <xs:annotation> <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-special" type="frameSpecialType"> <xs:annotation> <xs:documentation>Bestelldaten bei Indi ohne Optima</xs:documentation> </xs:annotation> </xs:element> </xs:choice> <xs:element name="holes" type="holesType" minOccurs="0"/> <xs:element name="back-vertex-distance" minOccurs="0"> <xs:annotation> <xs:documentation>Hornhautscheitelabstand Korrektionsbrille</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:float"/> </xs:simpleContent> </xs:complexType>

```
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **frameSideType/frame-data**

diagram



type **frameDataType**

children **id-number** **manufacturer** **box-length** **box-height** **shape** **model** **centration** **optima-flag**

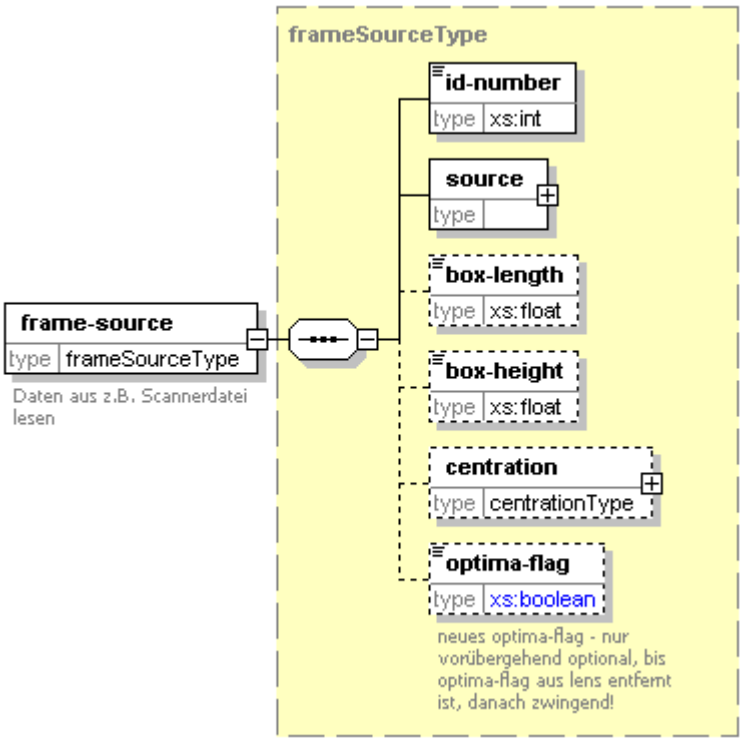
annotation

documentation 'Normale' externe Bestellung

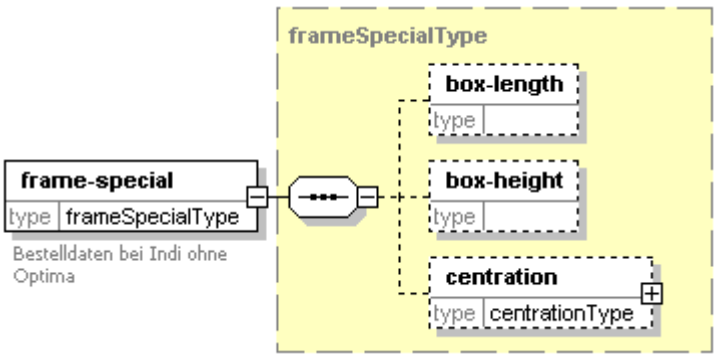
source

```
<xs:element name="frame-data" type="frameDataType">
  <xs:annotation>
    <xs:documentation>'Normale' externe Bestellung</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **frameSideType/frame-source**

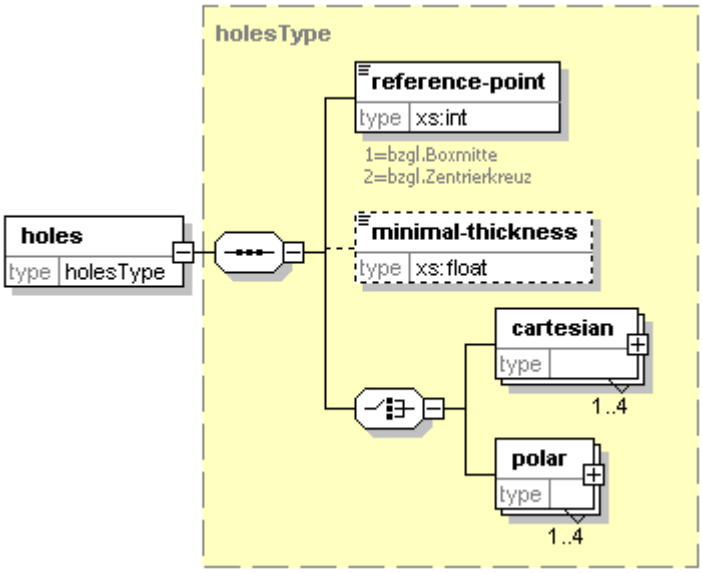
diagram	
type	**frameSourceType**
children	**id-number** **source** **box-length** **box-height** **centration** **optima-flag**
annotation	documentation Daten aus z.B. Scannerdatei lesen
source	<xs:element name="frame-source" type="frameSourceType"> <xs:annotation> <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation> </xs:annotation> </xs:element>

element **frameSideType/frame-special**

diagram	
type	**frameSpecialType**
children	**box-length** **box-height** **centration**
annotation	documentation Bestelldaten bei Indi ohne Optima
source	<xs:element name="frame-special" type="frameSpecialType"> <xs:annotation> <xs:documentation>Bestelldaten bei Indi ohne Optima</xs:documentation> </xs:annotation>

	</xs:element>

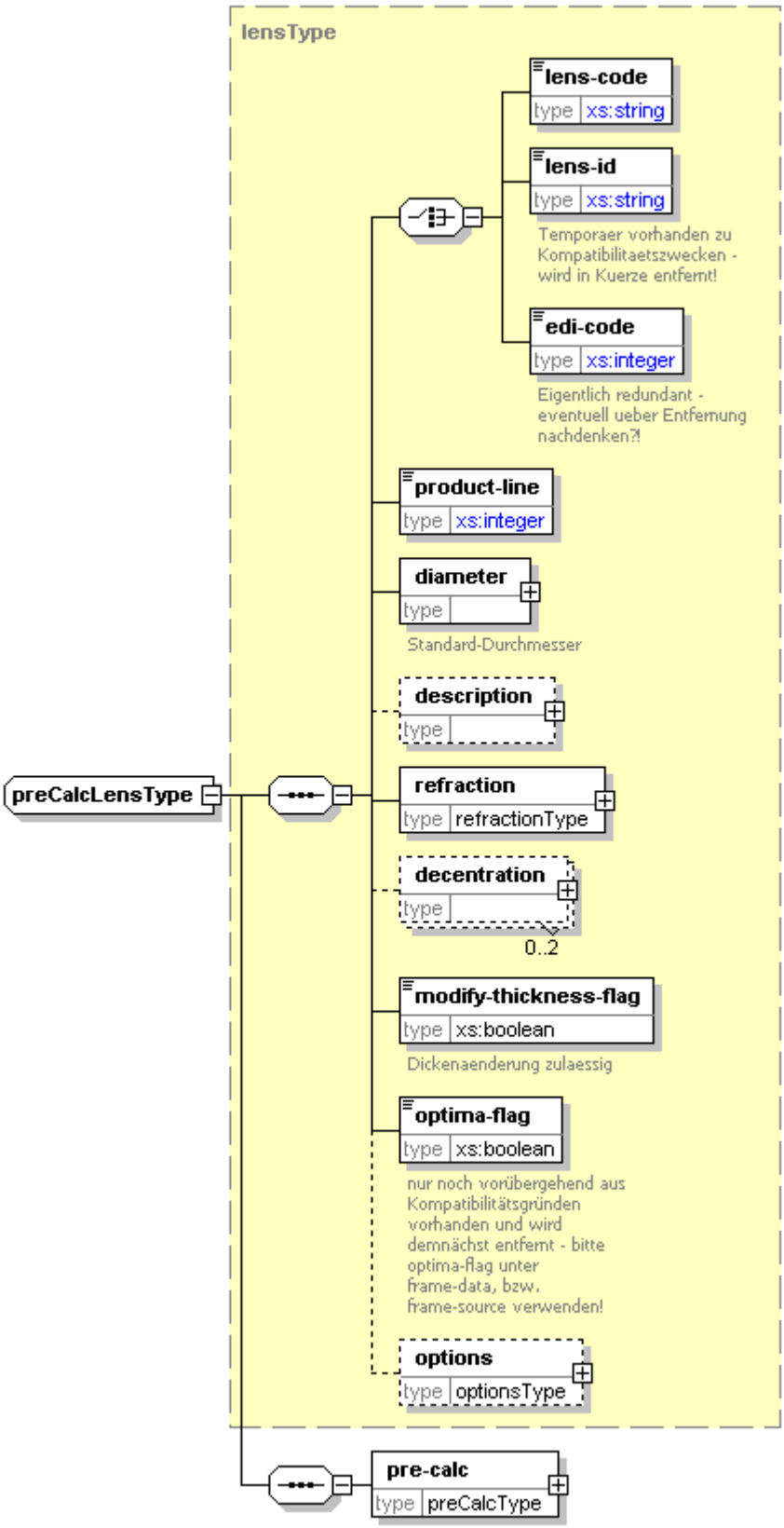
element **frameSideType/holes**

diagram	
type	**holesType**
children	**reference-point minimal-thickness cartesian polar**
source	<xs:element name="holes" type="holesType" minOccurs="0"/>

element **frameSideType/back-vertex-distance**

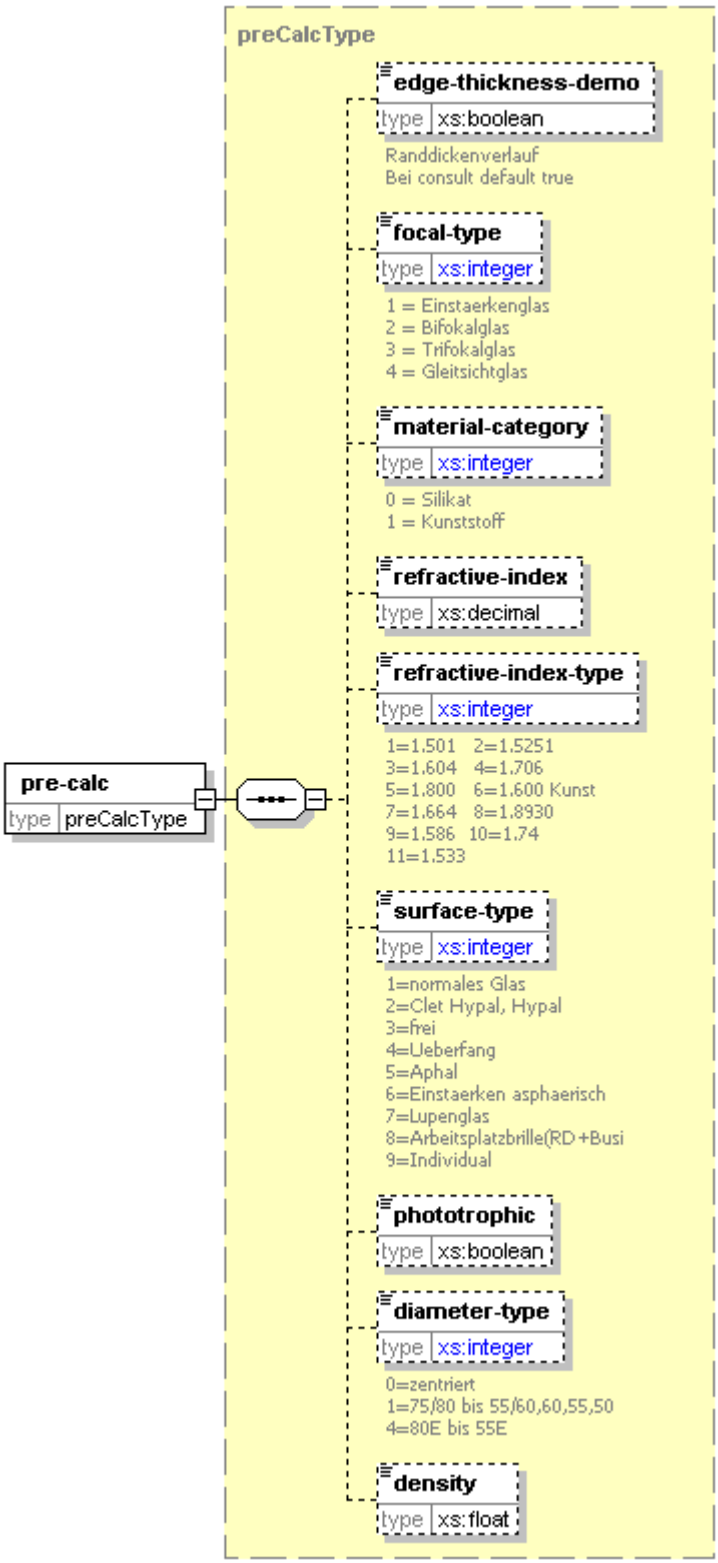
diagram	
type	extension of **xs:float**
annotation	documentation Hornhautscheitelabstand Korrektionsbrille
source	<xs:element name="back-vertex-distance" minOccurs="0"> <xs:annotation> <xs:documentation>Hornhautscheitelabstand Korrektionsbrille</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:float"/> </xs:simpleContent> </xs:complexType> </xs:element>

complexType **preCalcLensType**

diagram	
type	extension of **lensType**
children	**lens-code** **lens-id** **edi-code** **product-line** **diameter** **description** **refraction** **decentration** **modify-thickness-flag** **optima-flag** **options** **pre-calc**

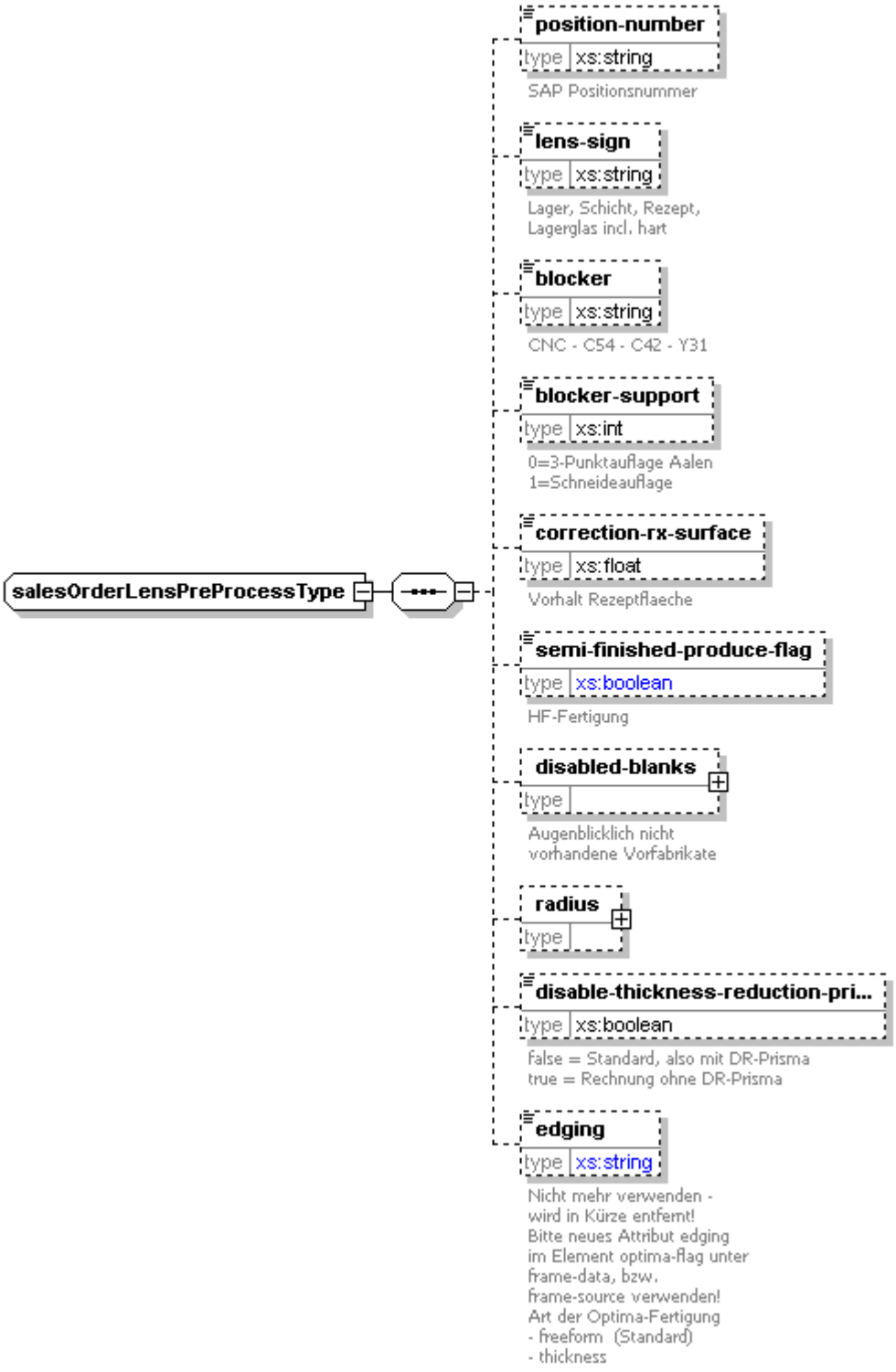
used by	complexType **salesOrderLensType**
source	<xs:complexType name="preCalcLensType"> <xs:complexContent> <xs:extension base="lensType"> <xs:sequence> <xs:element name="pre-calc" type="preCalcType"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

element **preCalcLensType/pre-calc**

diagram	
type	**preCalcType**
children	**edge-thickness-demo** **focal-type** **material-category** **refractive-index** **refractive-index-type** **surface-type** **phototrophic** **diameter-type** **density**
source	<xs:element name="pre-calc" type="preCalcType"/>

complexType **salesOrderLensPreProcessType**

diagram



children **position-number** **lens-sign** **blocker** **blocker-support** **correction-rx-surface** **semi-finished-produce-flag** **disabled-blanks** **radius** **disable-thickness-reduction-prism** **edging**

used by element **salesOrderLensType/pre-process**

source

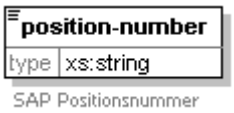
```
<xs:complexType name="salesOrderLensPreProcessType">
  <xs:sequence>
    <xs:element name="position-number" type="xs:string" minOccurs="0">
      <xs:annotation>
        <xs:documentation>SAP Positionsnummer</xs:documentation>
      </xs:annotation>
```

```
    </xs:element>
    <xs:element name="lens-sign" type="xs:string" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Lager, Schicht, Rezept, Lagerglas incl. hart</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="blocker" type="xs:string" minOccurs="0">
      <xs:annotation>
        <xs:documentation>CNC - C54 - C42 - Y31</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="blocker-support" type="xs:int" minOccurs="0">
      <xs:annotation>
        <xs:documentation>0=3-Punktauflage Aalen
1=Schneideauflage</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="correction-rx-surface" type="xs:float" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Vorhalt Rezeptflaeche</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="semi-finished-produce-flag" minOccurs="0">
      <xs:annotation>
        <xs:documentation>HF-Fertigung</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:boolean">
          <xs:pattern value="true"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="disabled-blanks" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Augenblicklich nicht vorhandene Vorfabrikate</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="code" maxOccurs="unbounded">
            <xs:annotation>
              <xs:documentation>OPC oder aehnlicher Code</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:length value="40"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="radius" minOccurs="0">
      <xs:complexType>
        <xs:choice>
          <xs:element name="base-curve">
            <xs:annotation>
              <xs:documentation>R1 bwz. R2-Vorgabe in Dpt oder mm</xs:documentation>
            </xs:annotation>
            <xs:complexType>
              <xs:simpleContent>
                <xs:extension base="xs:float">
                  <xs:attribute name="unit" use="required">
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:enumeration value="mm"/>
                        <xs:enumeration value="dpt"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:attribute>
                </xs:extension>
              </xs:simpleContent>
            </xs:complexType>
          </xs:element>
          <xs:element name="lab">
            <xs:annotation>
              <xs:documentation source="unit">Fertigungsswerkstatt oder Systemtechnologie</xs:documentation>
              <xs:documentation>Fertigungsswerkstatt oder Systemtechnologie</xs:documentation>
```

```
          </xs:annotation>
          <xs:complexType>
            <xs:sequence>
              <xs:element name="base-curve">
                <xs:annotation>
                  <xs:documentation>R1 bwz. R2-Vorgabe in Dpt oder mm</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:simpleContent>
                    <xs:extension base="xs:float">
                      <xs:attribute name="unit" use="required">
                        <xs:simpleType>
                          <xs:restriction base="xs:string">
                            <xs:enumeration value="mm"/>
                            <xs:enumeration value="dpt"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:attribute>
                    </xs:extension>
                  </xs:simpleContent>
                </xs:complexType>
              </xs:element>
              <xs:element name="rx-radius-mer">
                <xs:annotation>
                  <xs:documentation>Normradius der Torusflaeche in mm</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:simpleContent>
                    <xs:extension base="xs:float">
                      <xs:attribute name="unit" use="optional">
                        <xs:simpleType>
                          <xs:restriction base="xs:string">
                            <xs:enumeration value="mm"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:attribute>
                    </xs:extension>
                  </xs:simpleContent>
                </xs:complexType>
              </xs:element>
              <xs:element name="rx-radius-rot">
                <xs:annotation>
                  <xs:documentation>Normradius der Torusflaeche in mm</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:simpleContent>
                    <xs:extension base="xs:float">
                      <xs:attribute name="unit" use="optional">
                        <xs:simpleType>
                          <xs:restriction base="xs:string">
                            <xs:enumeration value="mm"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:attribute>
                    </xs:extension>
                  </xs:simpleContent>
                </xs:complexType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:choice>
    </xs:complexType>
  </xs:element>
  <xs:element name="disable-thickness-reduction-prism" type="xs:boolean" minOccurs="0">
    <xs:annotation>
      <xs:documentation>false = Standard, also mit DR-Prisma
true = Rechnung ohne DR-Prisma</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="edging" minOccurs="0">
    <xs:annotation>
      <xs:documentation>Nicht mehr verwenden - wird in Kürze entfernt!
Bitte neues Attribut edging im Element optima-flag unter frame-data, bzw. frame-source verwenden!
Art der Optima-Fertigung
- freeform  (Standard)
- thickness</xs:documentation>
```

```
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="freeform"/>
          <xs:enumeration value="thickness"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **salesOrderLensPreProcessType/position-number**

diagram	
type	**xs:string**
annotation	documentation SAP Positionsnummer

source	`<xs:element name="position-number" type="xs:string" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>SAP Positionsnummer</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **salesOrderLensPreProcessType/lens-sign**

diagram	
type	**xs:string**
annotation	documentation Lager, Schicht, Rezept, Lagerglas incl. hart

source	`<xs:element name="lens-sign" type="xs:string" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Lager, Schicht, Rezept, Lagerglas incl. hart</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **salesOrderLensPreProcessType/blocker**

diagram	
type	**xs:string**
annotation	documentation CNC - C54 - C42 - Y31

source	`<xs:element name="blocker" type="xs:string" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>CNC - C54 - C42 - Y31</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **salesOrderLensPreProcessType/blocker-support**

diagram	
type	**xs:int**
annotation	documentation 0=3-Punktauflage Aalen 1=Schneideauflage
source	<xs:element name="blocker-support" type="xs:int" minOccurs="0"> <xs:annotation> <xs:documentation>0=3-Punktauflage Aalen 1=Schneideauflage</xs:documentation> </xs:annotation> </xs:element>

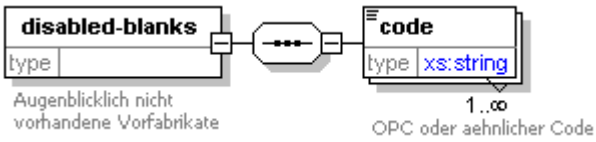
element **salesOrderLensPreProcessType/correction-rx-surface**

diagram	
type	**xs:float**
annotation	documentation Vorhalt Rezeptflaeche
source	<xs:element name="correction-rx-surface" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Vorhalt Rezeptflaeche</xs:documentation> </xs:annotation> </xs:element>

element **salesOrderLensPreProcessType/semi-finished-produce-flag**

diagram	
type	restriction of **xs:boolean**
facets	pattern true
annotation	documentation HF-Fertigung
source	<xs:element name="semi-finished-produce-flag" minOccurs="0"> <xs:annotation> <xs:documentation>HF-Fertigung</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:boolean"> <xs:pattern value="true"/> </xs:restriction> </xs:simpleType> </xs:element>

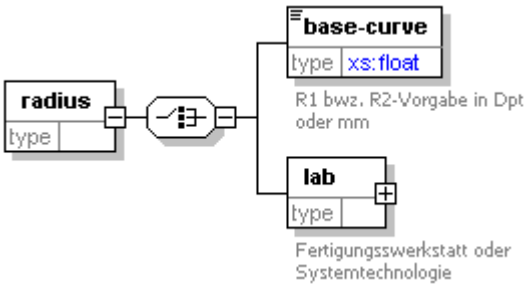
element **salesOrderLensPreProcessType/disabled-blanks**

diagram	
children	**code**
annotation	documentation Augenblicklich nicht vorhandene Vorfabrikate
source	<xs:element name="disabled-blanks" minOccurs="0"> <xs:annotation> <xs:documentation>Augenblicklich nicht vorhandene Vorfabrikate</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="code" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>OPC oder aehnlicher Code</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="40"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element>

element **salesOrderLensPreProcessType/disabled-blanks/code**

diagram	
type	restriction of **xs:string**
facets	length 40
annotation	documentation OPC oder aehnlicher Code
source	<xs:element name="code" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>OPC oder aehnlicher Code</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="40"/> </xs:restriction> </xs:simpleType> </xs:element>

element **salesOrderLensPreProcessType/radius**

diagram	

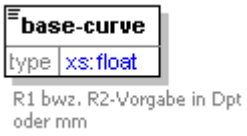
children	**base-curve** **lab**
source	

```
<xs:element name="radius" minOccurs="0">
 <xs:complexType>
  <xs:choice>
   <xs:element name="base-curve">
    <xs:annotation>
     <xs:documentation>R1 bwz. R2-Vorgabe in Dpt oder mm</xs:documentation>
    </xs:annotation>
    <xs:complexType>
     <xs:simpleContent>
      <xs:extension base="xs:float">
       <xs:attribute name="unit" use="required">
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:enumeration value="mm"/>
          <xs:enumeration value="dpt"/>
         </xs:restriction>
        </xs:simpleType>
       </xs:attribute>
      </xs:extension>
     </xs:simpleContent>
    </xs:complexType>
   </xs:element>
   <xs:element name="lab">
    <xs:annotation>
     <xs:documentation source="unit">Fertigungsswerkstatt oder Systemtechnologie</xs:documentation>
     <xs:documentation>Fertigungsswerkstatt oder Systemtechnologie</xs:documentation>
    </xs:annotation>
    <xs:complexType>
     <xs:sequence>
      <xs:element name="base-curve">
       <xs:annotation>
        <xs:documentation>R1 bwz. R2-Vorgabe in Dpt oder mm</xs:documentation>
       </xs:annotation>
       <xs:complexType>
        <xs:simpleContent>
         <xs:extension base="xs:float">
          <xs:attribute name="unit" use="required">
           <xs:simpleType>
            <xs:restriction base="xs:string">
             <xs:enumeration value="mm"/>
             <xs:enumeration value="dpt"/>
            </xs:restriction>
           </xs:simpleType>
          </xs:attribute>
         </xs:extension>
        </xs:simpleContent>
       </xs:complexType>
      </xs:element>
      <xs:element name="rx-radius-mer">
       <xs:annotation>
        <xs:documentation>Normradius der Torusflaeche in mm</xs:documentation>
       </xs:annotation>
       <xs:complexType>
        <xs:simpleContent>
         <xs:extension base="xs:float">
          <xs:attribute name="unit" use="optional">
           <xs:simpleType>
            <xs:restriction base="xs:string">
             <xs:enumeration value="mm"/>
            </xs:restriction>
           </xs:simpleType>
          </xs:attribute>
         </xs:extension>
        </xs:simpleContent>
       </xs:complexType>
      </xs:element>
      <xs:element name="rx-radius-rot">
       <xs:annotation>
        <xs:documentation>Normradius der Torusflaeche in mm</xs:documentation>
       </xs:annotation>
       <xs:complexType>
        <xs:simpleContent>
         <xs:extension base="xs:float">
          <xs:attribute name="unit" use="optional">
           <xs:simpleType>
```

```
                    <xs:restriction base="xs:string">
                      <xs:enumeration value="mm"/>
                    </xs:restriction>
                  </xs:simpleType>
                </xs:attribute>
              </xs:extension>
            </xs:simpleContent>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
 </xs:choice>
</xs:complexType>
</xs:element>
```

element **salesOrderLensPreProcessType/radius/base-curve**

diagram



type: extension of **xs:float**

attributes

Name	Type	Use	Default	Fixed	Annotation
unit	xs:string	required			

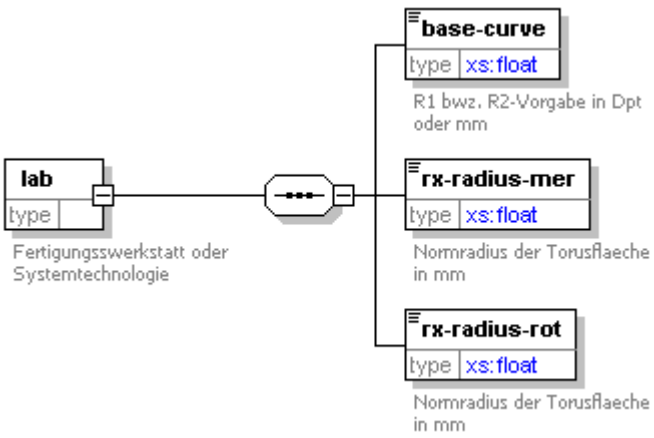
annotation: documentation R1 bwz. R2-Vorgabe in Dpt oder mm

source

```
<xs:element name="base-curve">
 <xs:annotation>
  <xs:documentation>R1 bwz. R2-Vorgabe in Dpt oder mm</xs:documentation>
 </xs:annotation>
 <xs:complexType>
  <xs:simpleContent>
   <xs:extension base="xs:float">
    <xs:attribute name="unit" use="required">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:enumeration value="mm"/>
       <xs:enumeration value="dpt"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:attribute>
   </xs:extension>
  </xs:simpleContent>
 </xs:complexType>
</xs:element>
```

element **salesOrderLensPreProcessType/radius/lab**

diagram



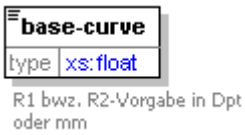
children **base-curve** **rx-radius-mer** **rx-radius-rot**

annotation	documentation Fertigungsswerkstatt oder Systemtechnologie documentation Fertigungsswerkstatt oder Systemtechnologie
source	

```
<xs:element name="lab">
 <xs:annotation>
  <xs:documentation source="unit">Fertigungsswerkstatt oder Systemtechnologie</xs:documentation>
  <xs:documentation>Fertigungsswerkstatt oder Systemtechnologie</xs:documentation>
 </xs:annotation>
 <xs:complexType>
  <xs:sequence>
   <xs:element name="base-curve">
    <xs:annotation>
     <xs:documentation>R1 bwz. R2-Vorgabe in Dpt oder mm</xs:documentation>
    </xs:annotation>
    <xs:complexType>
     <xs:simpleContent>
      <xs:extension base="xs:float">
       <xs:attribute name="unit" use="required">
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:enumeration value="mm"/>
          <xs:enumeration value="dpt"/>
         </xs:restriction>
        </xs:simpleType>
       </xs:attribute>
      </xs:extension>
     </xs:simpleContent>
    </xs:complexType>
   </xs:element>
   <xs:element name="rx-radius-mer">
    <xs:annotation>
     <xs:documentation>Normradius der Torusflaeche in mm</xs:documentation>
    </xs:annotation>
    <xs:complexType>
     <xs:simpleContent>
      <xs:extension base="xs:float">
       <xs:attribute name="unit" use="optional">
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:enumeration value="mm"/>
         </xs:restriction>
        </xs:simpleType>
       </xs:attribute>
      </xs:extension>
     </xs:simpleContent>
    </xs:complexType>
   </xs:element>
   <xs:element name="rx-radius-rot">
    <xs:annotation>
     <xs:documentation>Normradius der Torusflaeche in mm</xs:documentation>
    </xs:annotation>
    <xs:complexType>
     <xs:simpleContent>
      <xs:extension base="xs:float">
       <xs:attribute name="unit" use="optional">
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:enumeration value="mm"/>
         </xs:restriction>
        </xs:simpleType>
       </xs:attribute>
      </xs:extension>
     </xs:simpleContent>
    </xs:complexType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
</xs:element>
```

element **salesOrderLensPreProcessType/radius/lab/base-curve**

diagram



type: extension of **xs:float**

attributes

Name	Type	Use	Default	Fixed	Annotation
unit	xs:string	required			

annotation: documentation R1 bwz. R2-Vorgabe in Dpt oder mm

source

```
<xs:element name="base-curve">
 <xs:annotation>
  <xs:documentation>R1 bwz. R2-Vorgabe in Dpt oder mm</xs:documentation>
 </xs:annotation>
 <xs:complexType>
  <xs:simpleContent>
   <xs:extension base="xs:float">
    <xs:attribute name="unit" use="required">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:enumeration value="mm"/>
       <xs:enumeration value="dpt"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:attribute>
   </xs:extension>
  </xs:simpleContent>
 </xs:complexType>
</xs:element>
```

element **salesOrderLensPreProcessType/radius/lab/rx-radius-mer**

diagram

type: extension of **xs:float**

attributes

Name	Type	Use	Default	Fixed	Annotation
unit	xs:string	optional			

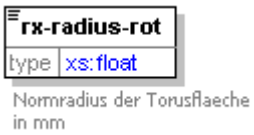
annotation: documentation Normradius der Torusflaeche in mm

source

```
<xs:element name="rx-radius-mer">
 <xs:annotation>
  <xs:documentation>Normradius der Torusflaeche in mm</xs:documentation>
 </xs:annotation>
 <xs:complexType>
  <xs:simpleContent>
   <xs:extension base="xs:float">
    <xs:attribute name="unit" use="optional">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:enumeration value="mm"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:attribute>
   </xs:extension>
  </xs:simpleContent>
 </xs:complexType>
</xs:element>
```

element **salesOrderLensPreProcessType/radius/lab/rx-radius-rot**

diagram



type: extension of **xs:float**

attributes

Name	Type	Use	Default	Fixed	Annotation
unit	xs:string	optional			

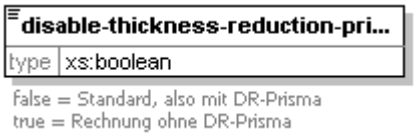
annotation: documentation — Normradius der Torusflaeche in mm

source

```
<xs:element name="rx-radius-rot">
 <xs:annotation>
  <xs:documentation>Normradius der Torusflaeche in mm</xs:documentation>
 </xs:annotation>
 <xs:complexType>
  <xs:simpleContent>
   <xs:extension base="xs:float">
    <xs:attribute name="unit" use="optional">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:enumeration value="mm"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:attribute>
   </xs:extension>
  </xs:simpleContent>
 </xs:complexType>
</xs:element>
```

element **salesOrderLensPreProcessType/disable-thickness-reduction-prism**

diagram



type: **xs:boolean**

annotation: documentation — false = Standard, also mit DR-Prisma
true = Rechnung ohne DR-Prisma

source

```
<xs:element name="disable-thickness-reduction-prism" type="xs:boolean" minOccurs="0">
 <xs:annotation>
  <xs:documentation>false = Standard, also mit DR-Prisma
true = Rechnung ohne DR-Prisma</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **salesOrderLensPreProcessType/edging**

diagram

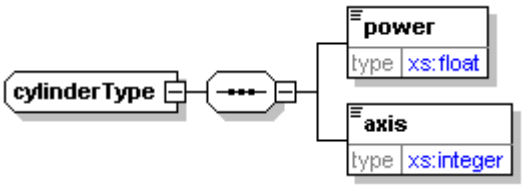
type: restriction of **xs:string**

facets

enumeration	freeform
enumeration	thickness

annotation	documentation Nicht mehr verwenden - wird in Kürze entfernt! Bitte neues Attribut edging im Element optima-flag unter frame-data, bzw. frame-source verwenden! Art der Optima-Fertigung - freeform (Standard) - thickness
source	<xs:element name="edging" minOccurs="0"> <xs:annotation> <xs:documentation>Nicht mehr verwenden - wird in Kürze entfernt! Bitte neues Attribut edging im Element optima-flag unter frame-data, bzw. frame-source verwenden! Art der Optima-Fertigung - freeform (Standard) - thickness</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="freeform"/> <xs:enumeration value="thickness"/> </xs:restriction> </xs:simpleType> </xs:element>

complexType **cylinderType**

diagram	
children	**power** **axis**
used by	element **refractionType/cylinder**
source	<xs:complexType name="cylinderType"> <xs:sequence> <xs:element name="power"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="-30"/> <xs:maxInclusive value="30"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="axis"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0"/> <xs:maxInclusive value="180"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType>

element **cylinderType/power**

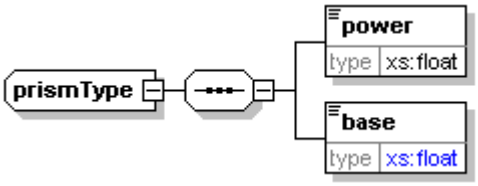
diagram	
type	restriction of **xs:float**
facets	minInclusive -30 maxInclusive 30
source	<xs:element name="power"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="-30"/> <xs:maxInclusive value="30"/> </xs:restriction>

```
  </xs:simpleType>
</xs:element>
```

element **cylinderType/axis**

diagram	
type	restriction of **xs:integer**
facets	minInclusive 0 maxInclusive 180
source	<xs:element name="axis"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0"/> <xs:maxInclusive value="180"/> </xs:restriction> </xs:simpleType> </xs:element>

complexType **prismType**

diagram	
children	**power** **base**
used by	element **refractionType/prism**
source	<xs:complexType name="prismType"> <xs:sequence> <xs:element name="power" type="xs:float"/> <xs:element name="base"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0.0"/> <xs:maxInclusive value="360.0"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType>

element **prismType/power**

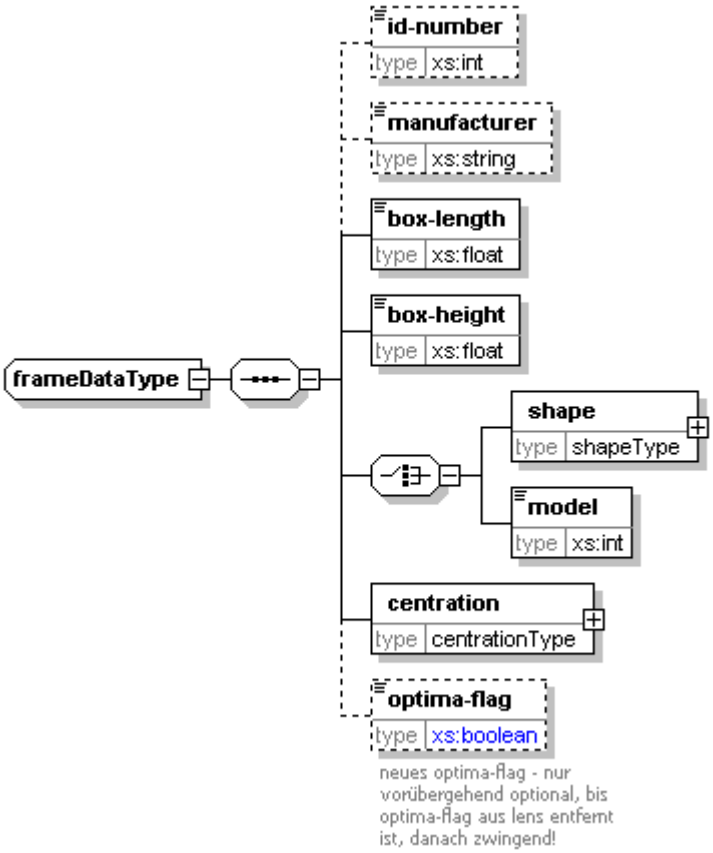
diagram	
type	**xs:float**
source	<xs:element name="power" type="xs:float"/>

element **prismType/base**

diagram	
type	restriction of **xs:float**

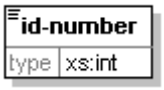
facets	minInclusive 0.0 maxInclusive 360.0
source	<xs:element name="base"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0.0"/> <xs:maxInclusive value="360.0"/> </xs:restriction> </xs:simpleType> </xs:element>

complexType **frameDataType**

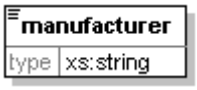
diagram	
children	id-number manufacturer box-length box-height shape model centration optima-flag
used by	elements frameSideExtType/frame-data frameSideType/frame-data
source	<xs:complexType name="frameDataType"> <xs:sequence> <xs:element name="id-number" type="xs:int" minOccurs="0"/> <xs:element name="manufacturer" type="xs:string" minOccurs="0"/> <xs:element name="box-length" type="xs:float"/> <xs:element name="box-height" type="xs:float"/> <xs:choice> <xs:element name="shape" type="shapeType"/> <xs:element name="model" type="xs:int"/> </xs:choice> <xs:element name="centration" type="centrationType"/> <xs:element name="optima-flag" minOccurs="0"> <xs:annotation> <xs:documentation>neues optima-flag - nur vorübergehend optional, bis optima-flag aus lens entfernt ist, danach zwingend!</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:boolean"> <xs:attribute name="edging" use="optional" default="freeform"> <xs:simpleType> <xs:restriction base="xs:string">

	<xs:enumeration value="freeform"/> <xs:enumeration value="thickness"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType>

element **frameDataType/id-number**

diagram	
type	**xs:int**
source	<xs:element name="id-number" type="xs:int" minOccurs="0"/>

element **frameDataType/manufacturer**

diagram	
type	**xs:string**
source	<xs:element name="manufacturer" type="xs:string" minOccurs="0"/>

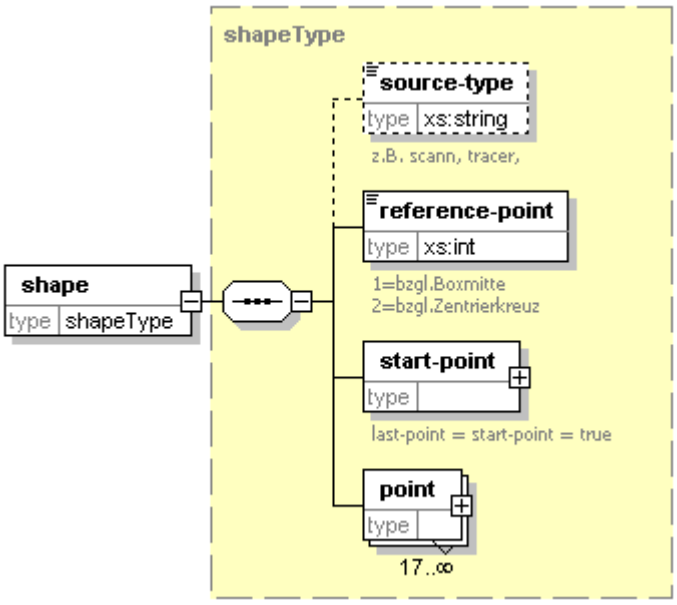
element **frameDataType/box-length**

diagram	
type	**xs:float**
source	<xs:element name="box-length" type="xs:float"/>

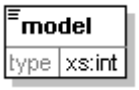
element **frameDataType/box-height**

diagram	
type	**xs:float**
source	<xs:element name="box-height" type="xs:float"/>

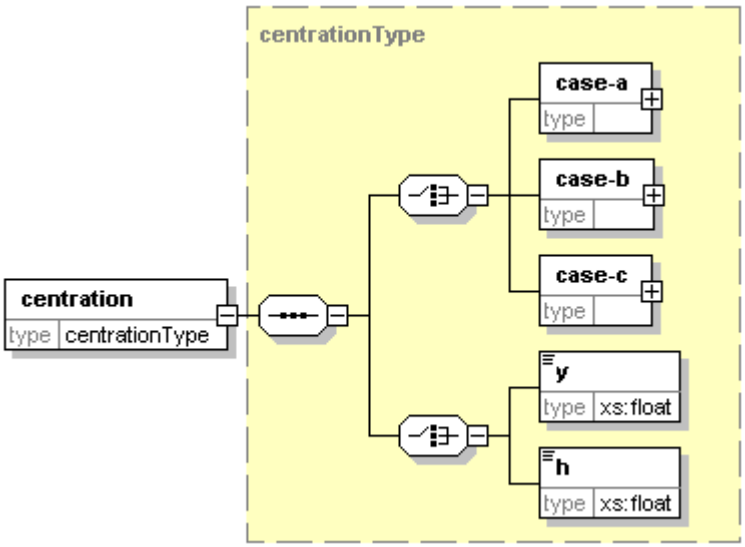
element **frameDataType/shape**

diagram	
type	**shapeType**
children	**source-type** **reference-point** **start-point** **point**
source	<xs:element name="shape" type="shapeType"/>

element **frameDataType/model**

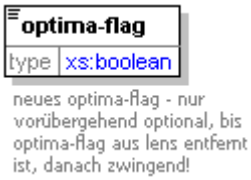
diagram	
type	**xs:int**
source	<xs:element name="model" type="xs:int"/>

element **frameDataType/centration**

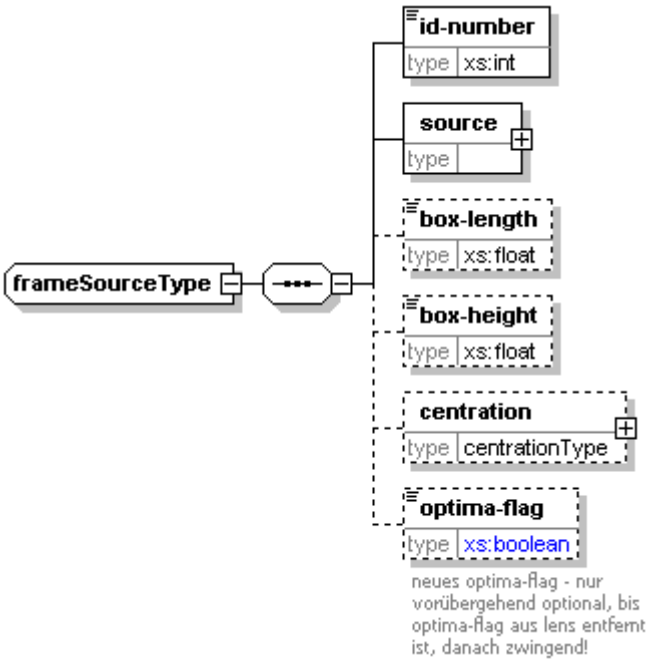
diagram	
type	**centrationType**

children	**case-a** **case-b** **case-c** **y** **h**
source	<xs:element name="centration" type="centrationType"/>

element **frameDataType/optima-flag**

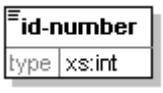
diagram	
type	extension of **xs:boolean**
attributes	Name: edging; Type: xs:string; Use: optional; Default: freeform; Fixed: ; Annotation:
annotation	documentation: neues optima-flag - nur vorübergehend optional, bis optima-flag aus lens entfernt ist, danach zwingend!
source	<xs:element name="optima-flag" minOccurs="0"> <xs:annotation> <xs:documentation>neues optima-flag - nur vorübergehend optional, bis optima-flag aus lens entfernt ist, danach zwingend!</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:boolean"> <xs:attribute name="edging" use="optional" default="freeform"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="freeform"/> <xs:enumeration value="thickness"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element>

complexType **frameSourceType**

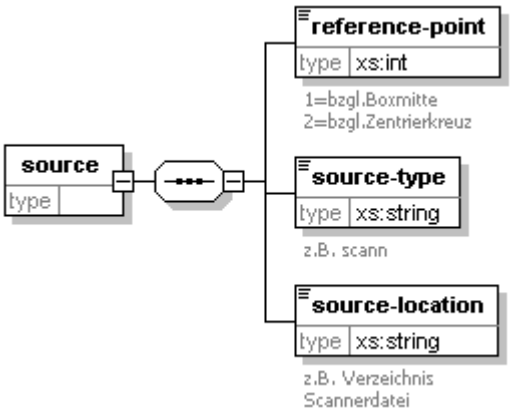
diagram	
children	**id-number** **source** **box-length** **box-height** **centration** **optima-flag**

used by	element **frameSideType/frame-source**
source	<xs:complexType name="frameSourceType"> <xs:sequence> <xs:element name="id-number" type="xs:int"/> <xs:element name="source"> <xs:complexType> <xs:sequence> <xs:element name="reference-point" type="xs:int"> <xs:annotation> <xs:documentation>1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz</xs:documentation> </xs:annotation> </xs:element> <xs:element name="source-type" type="xs:string"> <xs:annotation> <xs:documentation>z.B. scann</xs:documentation> </xs:annotation> </xs:element> <xs:element name="source-location" type="xs:string"> <xs:annotation> <xs:documentation>z.B. Verzeichnis Scannerdatei</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="box-length" type="xs:float" minOccurs="0"/> <xs:element name="box-height" type="xs:float" minOccurs="0"/> <xs:element name="centration" type="centrationType" minOccurs="0"/> <xs:element name="optima-flag" minOccurs="0"> <xs:annotation> <xs:documentation>neues optima-flag - nur vorübergehend optional, bis optima-flag aus lens entfernt ist, danach zwingend!</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:boolean"> <xs:attribute name="edging" use="optional" default="freeform"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="freeform"/> <xs:enumeration value="thickness"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType>

element **frameSourceType/id-number**

diagram	
type	**xs:int**
source	<xs:element name="id-number" type="xs:int"/>

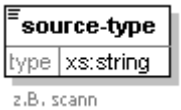
element **frameSourceType/source**

diagram	
children	**reference-point** **source-type** **source-location**
source	<xs:element name="source"> <xs:complexType> <xs:sequence> <xs:element name="reference-point" type="xs:int"> <xs:annotation> <xs:documentation>1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz</xs:documentation> </xs:annotation> </xs:element> <xs:element name="source-type" type="xs:string"> <xs:annotation> <xs:documentation>z.B. scann</xs:documentation> </xs:annotation> </xs:element> <xs:element name="source-location" type="xs:string"> <xs:annotation> <xs:documentation>z.B. Verzeichnis Scannerdatei</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element>

element **frameSourceType/source/reference-point**

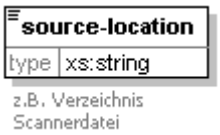
diagram	
type	**xs:int**
annotation	documentation 1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz
source	<xs:element name="reference-point" type="xs:int"> <xs:annotation> <xs:documentation>1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz</xs:documentation> </xs:annotation> </xs:element>

element **frameSourceType/source/source-type**

diagram	
type	**xs:string**

annotation	documentation z.B. scann
source	<xs:element name="source-type" type="xs:string"> <xs:annotation> <xs:documentation>z.B. scann</xs:documentation> </xs:annotation> </xs:element>

element **frameSourceType/source/source-location**

diagram	
type	**xs:string**
annotation	documentation z.B. Verzeichnis Scannerdatei
source	<xs:element name="source-location" type="xs:string"> <xs:annotation> <xs:documentation>z.B. Verzeichnis Scannerdatei</xs:documentation> </xs:annotation> </xs:element>

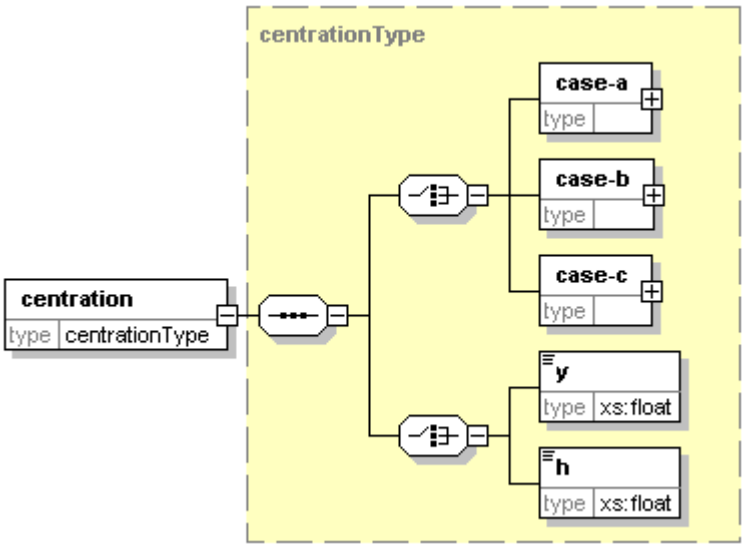
element **frameSourceType/box-length**

diagram	
type	**xs:float**
source	<xs:element name="box-length" type="xs:float" minOccurs="0"/>

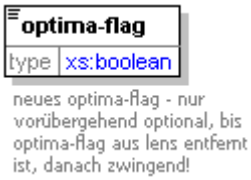
element **frameSourceType/box-height**

diagram	
type	**xs:float**
source	<xs:element name="box-height" type="xs:float" minOccurs="0"/>

element **frameSourceType/centration**

diagram	
type	centrationType
children	case-a case-b case-c y h
source	<xs:element name="centration" type="centrationType" minOccurs="0"/>

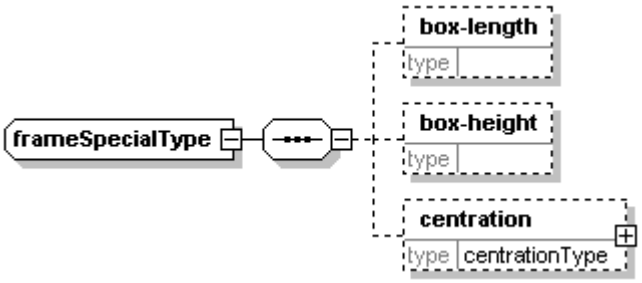
element **frameSourceType/optima-flag**

diagram	
type	extension of **xs:boolean**
attributes	Name: edging; Type: xs:string; Use: optional; Default: freeform; Fixed: ; Annotation:
annotation	documentation: neues optima-flag - nur vorübergehend optional, bis optima-flag aus lens entfernt ist, danach zwingend!

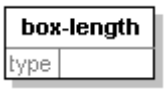
source

```
<xs:element name="optima-flag" minOccurs="0">
  <xs:annotation>
    <xs:documentation>neues optima-flag - nur vorübergehend optional, bis optima-flag aus lens entfernt ist, danach zwingend!</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:boolean">
        <xs:attribute name="edging" use="optional" default="freeform">
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:enumeration value="freeform"/>
              <xs:enumeration value="thickness"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:attribute>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

complexType **frameSpecialType**

diagram	
children	box-length box-height centration
used by	elements frameSideExtType/frame-special frameSideType/frame-special
source	<xs:complexType name="frameSpecialType"> <xs:sequence> <xs:element name="box-length" minOccurs="0"/> <xs:element name="box-height" minOccurs="0"/> <xs:element name="centration" type="centrationType" minOccurs="0"/> </xs:sequence> </xs:complexType>

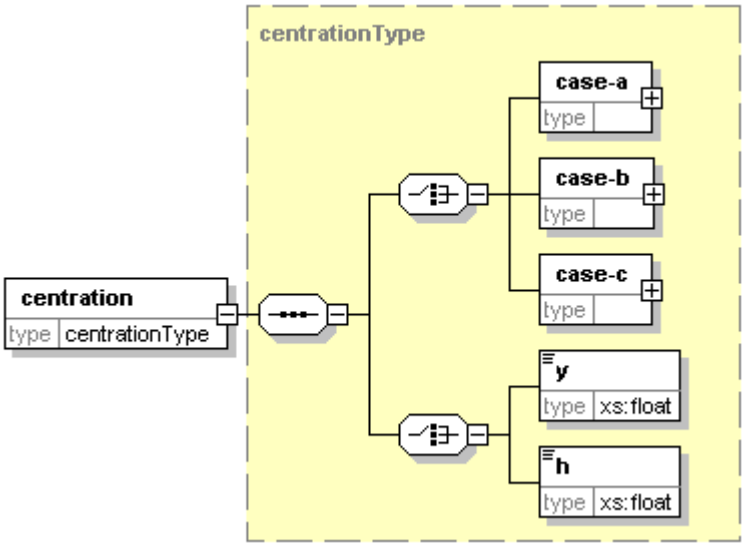
element **frameSpecialType/box-length**

diagram	
source	<xs:element name="box-length" minOccurs="0"/>

element **frameSpecialType/box-height**

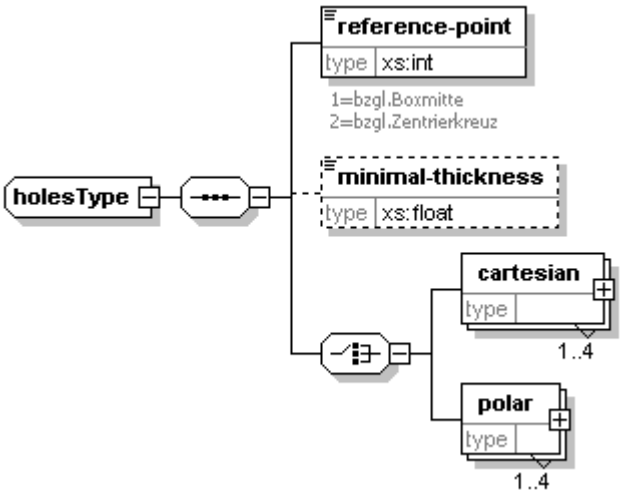
diagram	
source	<xs:element name="box-height" minOccurs="0"/>

element **frameSpecialType/centration**

diagram	

type	**centrationType**
children	**case-a** **case-b** **case-c** **y** **h**
source	<xs:element name="centration" type="centrationType" minOccurs="0"/>

complexType **holesType**

diagram	
children	**reference-point** **minimal-thickness** **cartesian** **polar**
used by	elements **frameSideExtType/holes** **frameSideType/holes**
source	<xs:complexType name="holesType"> <xs:sequence> <xs:element name="reference-point" type="xs:int"> <xs:annotation> <xs:documentation>1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz</xs:documentation> </xs:annotation> </xs:element> <xs:element name="minimal-thickness" type="xs:float" minOccurs="0"/> <xs:choice> <xs:element name="cartesian" maxOccurs="4"> <xs:complexType> <xs:sequence> <xs:element name="x" type="xs:float"/> <xs:element name="y" type="xs:float"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="polar" maxOccurs="4"> <xs:complexType> <xs:sequence> <xs:element name="angle" type="xs:float"/> <xs:element name="radius" type="xs:float"/> </xs:sequence> </xs:complexType> </xs:element> </xs:choice> </xs:sequence> </xs:complexType>

element **holesType/reference-point**

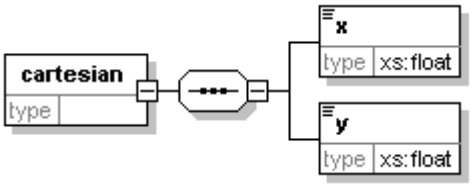
diagram	
type	**xs:int**

annotation	documentation 1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz
source	<xs:element name="reference-point" type="xs:int"> <xs:annotation> <xs:documentation>1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz</xs:documentation> </xs:annotation> </xs:element>

element **holesType/minimal-thickness**

diagram	
type	**xs:float**
source	<xs:element name="minimal-thickness" type="xs:float" minOccurs="0"/>

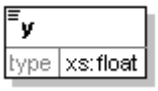
element **holesType/cartesian**

diagram	
children	**x y**
source	<xs:element name="cartesian" maxOccurs="4"> <xs:complexType> <xs:sequence> <xs:element name="x" type="xs:float"/> <xs:element name="y" type="xs:float"/> </xs:sequence> </xs:complexType> </xs:element>

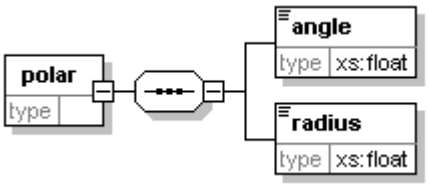
element **holesType/cartesian/x**

diagram	
type	**xs:float**
source	<xs:element name="x" type="xs:float"/>

element **holesType/cartesian/y**

diagram	
type	**xs:float**
source	<xs:element name="y" type="xs:float"/>

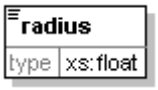
element **holesType/polar**

diagram	
children	**angle** **radius**
source	<xs:element name="polar" maxOccurs="4"> <xs:complexType> <xs:sequence> <xs:element name="angle" type="xs:float"/> <xs:element name="radius" type="xs:float"/> </xs:sequence> </xs:complexType> </xs:element>

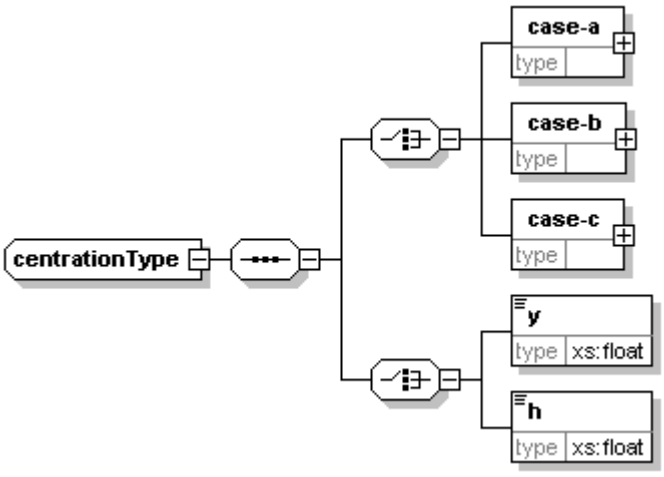
element **holesType/polar/angle**

diagram	
type	**xs:float**
source	<xs:element name="angle" type="xs:float"/>

element **holesType/polar/radius**

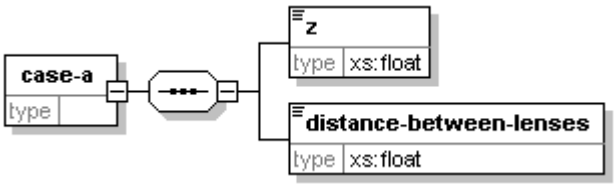
diagram	
type	**xs:float**
source	<xs:element name="radius" type="xs:float"/>

complexType **centrationType**

diagram	
children	**case-a** **case-b** **case-c** **y** **h**
used by	elements **frameDataType/centration** **frameSourceType/centration** **frameSpecialType/centration**
source	<xs:complexType name="centrationType">

```
  <xs:sequence>
   <xs:choice>
    <xs:element name="case-a">
     <xs:complexType>
      <xs:sequence>
       <xs:element name="z" type="xs:float"/>
       <xs:element name="distance-between-lenses" type="xs:float"/>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="case-b">
     <xs:complexType>
      <xs:sequence>
       <xs:element name="z" type="xs:float"/>
       <xs:element name="x" type="xs:float"/>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="case-c">
     <xs:complexType>
      <xs:sequence>
       <xs:element name="x" type="xs:float"/>
       <xs:element name="distance-between-lenses" type="xs:float" minOccurs="0"/>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
   </xs:choice>
   <xs:choice>
    <xs:element name="y" type="xs:float"/>
    <xs:element name="h" type="xs:float"/>
   </xs:choice>
  </xs:sequence>
</xs:complexType>
```

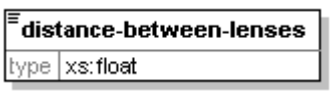
element **centrationType/case-a**

diagram	
children	z distance-between-lenses
source	<xs:element name="case-a"> <xs:complexType> <xs:sequence> <xs:element name="z" type="xs:float"/> <xs:element name="distance-between-lenses" type="xs:float"/> </xs:sequence> </xs:complexType> </xs:element>

element **centrationType/case-a/z**

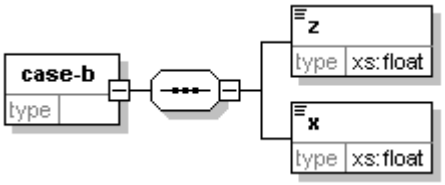
diagram	
type	**xs:float**
source	<xs:element name="z" type="xs:float"/>

element **centrationType/case-a/distance-between-lenses**

diagram	

type	**xs:float**
source	<xs:element name="distance-between-lenses" type="xs:float"/>

element **centrationType/case-b**

diagram	
children	**z** **x**
source	<xs:element name="case-b"> <xs:complexType> <xs:sequence> <xs:element name="z" type="xs:float"/> <xs:element name="x" type="xs:float"/> </xs:sequence> </xs:complexType> </xs:element>

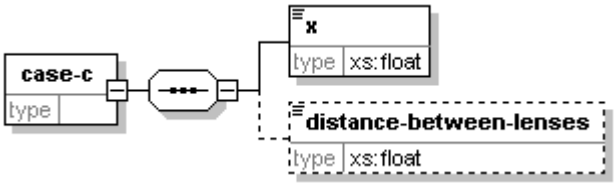
element **centrationType/case-b/z**

diagram	
type	**xs:float**
source	<xs:element name="z" type="xs:float"/>

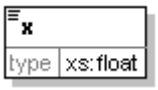
element **centrationType/case-b/x**

diagram	
type	**xs:float**
source	<xs:element name="x" type="xs:float"/>

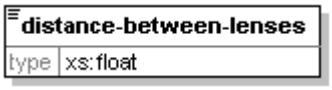
element **centrationType/case-c**

diagram	
children	**x** **distance-between-lenses**
source	<xs:element name="case-c"> <xs:complexType> <xs:sequence> <xs:element name="x" type="xs:float"/> <xs:element name="distance-between-lenses" type="xs:float" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

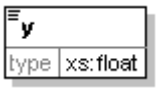
element **centrationType/case-c/x**

diagram	
type	**xs:float**
source	<xs:element name="x" type="xs:float"/>

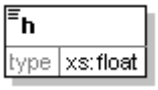
element **centrationType/case-c/distance-between-lenses**

diagram	
type	**xs:float**
source	<xs:element name="distance-between-lenses" type="xs:float" minOccurs="0"/>

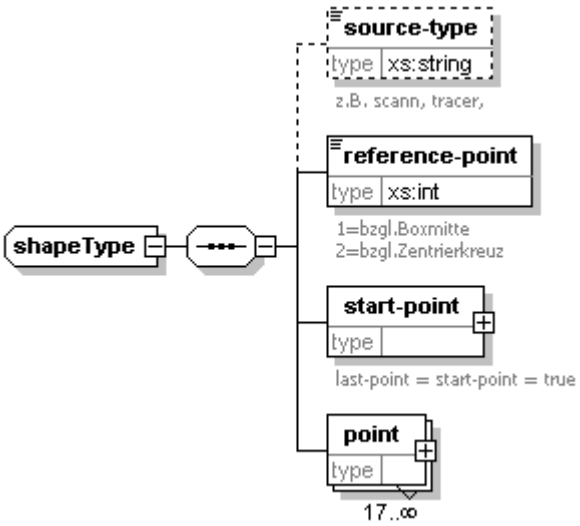
element **centrationType/y**

diagram	
type	**xs:float**
source	<xs:element name="y" type="xs:float"/>

element **centrationType/h**

diagram	
type	**xs:float**
source	<xs:element name="h" type="xs:float"/>

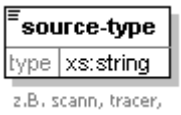
complexType **shapeType**

diagram	
children	**source-type** **reference-point** **start-point** **point**

used by	element **frameDataType/shape**
source	

```
<xs:complexType name="shapeType">
 <xs:sequence>
  <xs:element name="source-type" type="xs:string" minOccurs="0">
   <xs:annotation>
    <xs:documentation>z.B. scann, tracer,</xs:documentation>
   </xs:annotation>
  </xs:element>
  <xs:element name="reference-point" type="xs:int">
   <xs:annotation>
    <xs:documentation>1=bzgl.Boxmitte  2=bzgl.Zentrierkreuz</xs:documentation>
   </xs:annotation>
  </xs:element>
  <xs:element name="start-point">
   <xs:annotation>
    <xs:documentation>last-point = start-point = true</xs:documentation>
   </xs:annotation>
   <xs:complexType>
    <xs:sequence>
     <xs:element name="angle">
      <xs:simpleType>
       <xs:restriction base="xs:float">
        <xs:minInclusive value="0.00"/>
        <xs:maxInclusive value="360.00"/>
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="radius" type="xs:float"/>
     <xs:element name="reference-delta-radius2start-point" type="xs:boolean" minOccurs="0">
      <xs:annotation>
       <xs:documentation>false=Bezug deta-Radius immer zum Vorgaengerwert =Default
true =delta-radius immer zum start-point addieren</xs:documentation>
      </xs:annotation>
     </xs:element>
    </xs:sequence>
    <xs:attribute name="lastpoint" use="required">
     <xs:simpleType>
      <xs:restriction base="xs:boolean">
       <xs:pattern value="true"/>
       <xs:pattern value="false"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:attribute>
   </xs:complexType>
  </xs:element>
  <xs:element name="point" minOccurs="17" maxOccurs="unbounded">
   <xs:complexType>
    <xs:sequence>
     <xs:element name="angle" minOccurs="0">
      <xs:simpleType>
       <xs:restriction base="xs:float">
        <xs:minInclusive value="0.00"/>
        <xs:maxInclusive value="360.00"/>
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:choice>
      <xs:element name="radius">
       <xs:simpleType>
        <xs:restriction base="xs:float">
         <xs:minInclusive value="0.1"/>
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="delta-radius" type="xs:float"/>
     </xs:choice>
    </xs:sequence>
   </xs:complexType>
  </xs:element>
 </xs:sequence>
</xs:complexType>
```

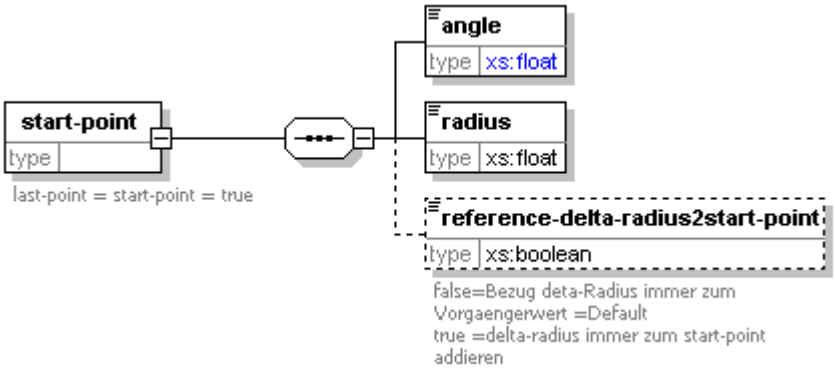
element **shapeType/source-type**

diagram	
type	**xs:string**
annotation	documentation z.B. scann, tracer,
source	<xs:element name="source-type" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>z.B. scann, tracer,</xs:documentation> </xs:annotation> </xs:element>

element **shapeType/reference-point**

diagram	
type	**xs:int**
annotation	documentation 1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz
source	<xs:element name="reference-point" type="xs:int"> <xs:annotation> <xs:documentation>1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz</xs:documentation> </xs:annotation> </xs:element>

element **shapeType/start-point**

diagram	
children	**angle radius reference-delta-radius2start-point**
attributes	Name: lastpoint; Type: xs:boolean; Use: required; Default: ; Fixed: ; Annotation:
annotation	documentation last-point = start-point = true
source	<xs:element name="start-point"> <xs:annotation> <xs:documentation>last-point = start-point = true</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="angle"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0.00"/> <xs:maxInclusive value="360.00"/>

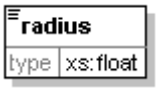
```
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="radius" type="xs:float"/>
      <xs:element name="reference-delta-radius2start-point" type="xs:boolean" minOccurs="0">
       <xs:annotation>
        <xs:documentation>false=Bezug deta-Radius immer zum Vorgaengerwert =Default
true =delta-radius immer zum start-point addieren</xs:documentation>
       </xs:annotation>
      </xs:element>
     </xs:sequence>
     <xs:attribute name="lastpoint" use="required">
      <xs:simpleType>
       <xs:restriction base="xs:boolean">
        <xs:pattern value="true"/>
        <xs:pattern value="false"/>
       </xs:restriction>
      </xs:simpleType>
     </xs:attribute>
    </xs:complexType>
   </xs:element>
```

element **shapeType/start-point/angle**

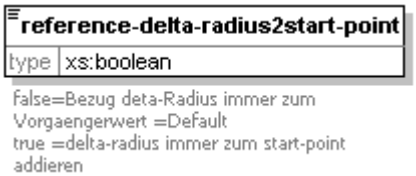
diagram	
type	restriction of **xs:float**
facets	minInclusive 0.00 maxInclusive 360.00

source	`<xs:element name="angle">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:float">`
	`  <xs:minInclusive value="0.00"/>`
	`  <xs:maxInclusive value="360.00"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **shapeType/start-point/radius**

diagram	
type	**xs:float**
source	`<xs:element name="radius" type="xs:float"/>`

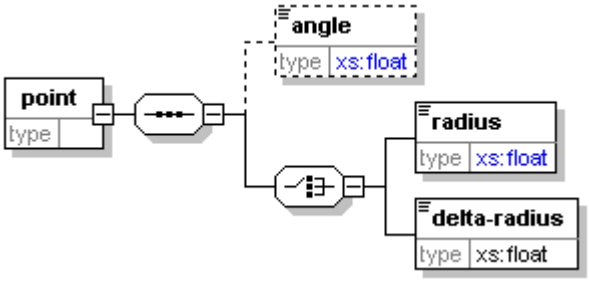
element **shapeType/start-point/reference-delta-radius2start-point**

diagram	
type	**xs:boolean**
annotation	documentation false=Bezug deta-Radius immer zum Vorgaengerwert =Default true =delta-radius immer zum start-point addieren

source	`<xs:element name="reference-delta-radius2start-point" type="xs:boolean" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>false=Bezug deta-Radius immer zum Vorgaengerwert =Default`
	`true =delta-radius immer zum start-point addieren</xs:documentation>`
	`  </xs:annotation>`

	</xs:element>

element **shapeType/point**

diagram	
children	**angle radius delta-radius**
source	<xs:element name="point" minOccurs="17" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="angle" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0.00"/> <xs:maxInclusive value="360.00"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:choice> <xs:element name="radius"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0.1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="delta-radius" type="xs:float"/> </xs:choice> </xs:sequence> </xs:complexType> </xs:element>

element **shapeType/point/angle**

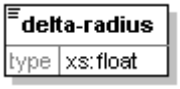
diagram	
type	restriction of **xs:float**
facets	minInclusive 0.00 maxInclusive 360.00
source	<xs:element name="angle" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0.00"/> <xs:maxInclusive value="360.00"/> </xs:restriction> </xs:simpleType> </xs:element>

element **shapeType/point/radius**

diagram	
type	restriction of **xs:float**

facets	minInclusive 0.1
source	<xs:element name="radius"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0.1"/> </xs:restriction> </xs:simpleType> </xs:element>

element **shapeType/point/delta-radius**

diagram	
type	**xs:float**
source	<xs:element name="delta-radius" type="xs:float"/>