

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	<pre>graph LR; purchase_order[purchase-order] --- customer[customer]; purchase_order --- order_id[order-id]; purchase_order --- order_date[order-date]; purchase_order --- order_time[order-time]; purchase_order --- position[position];</pre>
children	customer order-id order-date order-time position
annotation	documentation Comment describing your root element
source	<pre><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></pre>

element purchase-order/customer

diagram	<pre> classDiagram class customer { <<customer>> <<type customerExtType>> } class customerExtType { <<customerExtType>> <<customer-id>> <<order-generator>> <<country>> } customer "1" *-- "*" customerExtType customerExtType "1" *-- "*" order-generator customerExtType "1" *-- "*" country customerExtType "1" *-- "*" customer </pre> <p>The diagram shows a UML class diagram. On the left, there is a class named 'customer' with a note 'type customerExtType'. To its right is a dashed-line box labeled 'customerExtType'. Inside this box are three associations: one to 'customer-id' (type xs:string), one to 'order-generator' (type xs:string), and one to 'country' (type xs:string). The association to 'customer-id' is marked with a multiplicity of '*' at both ends. The associations to 'order-generator' and 'country' are marked with a multiplicity of '*' at the end pointing to 'customerExtType'.</p>
type	customerExtType
children	customer-id order-generator country
source	<xs:element name="customer" type="customerExtType"/>

element purchase-order/order-id

diagram	<pre> classDiagram class order-id { <<order-id>> <<type xs:string>> } </pre> <p>The diagram shows a UML class diagram. On the left, there is a class named 'order-id' with a note 'type xs:string'.</p>
type	xs:string
source	<xs:element name="order-id" type="xs:string"/>

element purchase-order/order-date

diagram	<pre> classDiagram class order-date { <<order-date>> <<type xs:date>> } </pre> <p>The diagram shows a UML class diagram. On the left, there is a class named 'order-date' with a note 'type xs:date'.</p>
type	xs:date
source	<xs:element name="order-date" type="xs:date"/>

element purchase-order/order-time

diagram	<pre> classDiagram class order-time { <<order-time>> <<type xs:time>> } </pre> <p>The diagram shows a UML class diagram. On the left, there is a class named 'order-time' with a note 'type xs:time'.</p>
type	xs:time
source	<xs:element name="order-time" type="xs:time"/>

element purchase-order/position

diagram	<pre> classDiagram class position { type positionType } class positionType { consignee commission delivery-date notes quantity pair single frame } position "1..* --> positionType </pre>
type	positionType
children	consignee commission delivery-date notes quantity pair single frame
source	<xs:element name="position" type="positionType" maxOccurs="unbounded"/>

complexType customerExtType

diagram	<pre> classDiagram class customerExtType { } class customerExtType { customer-id order-generator country } customerExtType "1..* --> customerExtType </pre>
type	restriction of customerType
children	customer-id order-generator country
used by	element purchase-order/customer

source	<pre> <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>Kurzschlüssel ISO Code 2stellig</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>
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element **customerExtType/customer-id**

diagram	
type	restriction of xs:string
facets	minLength 1 maxLength 20
annotation	documentation Kundennummer
source	<pre> <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> </pre>

element **customerExtType/order-generator**

diagram	
type	xs:string
annotation	documentation System, mit dem der Auftrag erzeugt wurde
source	<pre> <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> </pre>

element **customerExtType/country**

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

complexType **positionType**

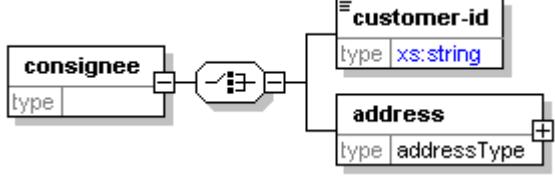
diagram	
type	restriction of salesOrderExtType
children	consignee commission delivery-date notes quantity pair single frame
used by	element purchase-order/position
source	<pre><xs:complexType name="positionType"> <xs:complexContent> <xs:restriction base="salesOrderExtType"> <xs:sequence> <xs:element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

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<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>

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element positionType/consignee

diagram	
children	<u>customer-id address</u>
source	<pre><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></pre>

element positionType/consignee/customer-id

diagram	
type	restriction of xs:string
facets	minLength 1 maxLength 20
source	<pre><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></pre>

element positionType/consignee/address

diagram	<pre> classDiagram class address { <<type addressType>> } class addressType { name : xs:string street : xs:string po-box : xs:string zip-code : xs:string city : xs:string province : xs:string region : xs:string state : xs:string country : xs:string phone : xs:string fax : xs:string email : xs:string } address < -- addressType </pre>
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	<pre> classDiagram class commission { type : xs:string } </pre> <p>Einzelauftragsidentifikation</p>
type	xs:string
annotation	documentation Einzelauftragsidentifikation
source	<xs:element name="commission" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Einzelauftragsidentifikation </xs:documentation>

	<pre></xs:annotation> </xs:element></pre>
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element positionType/delivery-date

diagram	<pre>classDiagram class delivery-date { type xs:date } delivery-date "1" --> "Wunschlieferdatum"</pre>
type	xs:date
annotation	documentation Wunschlieferdatum
source	<pre><xs:element name="delivery-date" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Wunschlieferdatum</xs:documentation> </xs:annotation> </xs:element></pre>

element positionType/notes

diagram	<pre>classDiagram class notes { type xs:string } notes "1" --> "Bemerkung zum Einzelauftrag"</pre>
type	restriction of xs:string
annotation	documentation Bemerkung zum Einzelauftrag
source	<pre><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></pre>

element positionType/quantity

diagram	<pre>classDiagram class quantity { type xs:int } quantity "1" --> "minInclusive 1"</pre>
type	restriction of xs:int
facets	minInclusive 1
source	<pre><xs:element name="quantity"> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element positionType/pair

diagram	<pre> graph TD pair[pair] --> right[right] pair --> left[left] right --> general1[general] left --> general1 general1 --> general[general] </pre>
children	general right left
source	<pre> <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> </pre>

element positionType/pair/general

diagram	<pre> graph TD general[general] --> right[right] general --> left[left] right --> general1[general] left --> general1 general1 --> general[general] </pre>
children	right left
source	<pre> <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> </pre>

element positionType/pair/general/right

diagram	<pre> graph TD right[right] --> balancing[balancing-lens] right --> virtual[virtual-lens] subgraph generalSideType [generalSideType] balancing virtual subgraph Ausgleichsglas [Ausgleichsglas] balancing end subgraph Scheinglas [Scheinglas] virtual end end </pre>
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type	generalSideType
children	balancing-lens virtual-lens
source	<xs:element name="right" type="generalSideType"/>

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

diagram	<pre> classDiagram class left { type generalSideType } class generalSideType { <<generalSideType>> <<balancing-lens>> <<virtual-lens>> } class Ausgleichsglas { type xs:boolean } class Scheinglas { type xs:boolean } left "3" --> generalSideType generalSideType "3" --> Ausgleichsglas generalSideType "3" --> Scheinglas </pre>
type	generalSideType
children	balancing-lens virtual-lens
source	<xs:element name="left" type="generalSideType"/>

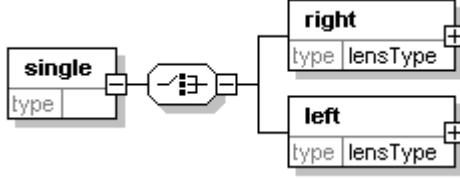
element **positionType/pair/right**

diagram	<pre> classDiagram class lensType { lens-code : xs:string lens-id : xs:string edi-code : xs:integer product-line : xs:integer diameter : type xs:string description : type xs:string refraction : refractionType decentration : type xs:string modify-thickness-flag : xs:boolean optima-flag : xs:boolean options : optionsType } class right { type : lensType } right --> lensType </pre>
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	<pre> classDiagram class lensType { lens-code : xs:string lens-id : xs:string edi-code : xs:integer product-line : xs:integer diameter : type xs:string description : type xs:string refraction : refractionType decentration : type xs:string modify-thickness-flag : xs:boolean optima-flag : xs:boolean options : optionsType } left : lensType --> lensType </pre> <p>Annotations:</p> <ul style="list-style-type: none"> lens-code: type <code>xs:string</code> lens-id: type <code>xs:string</code> Temporaer vorhanden zu Kompatibilitaetszwecken - wird in Kuerze entfernt! edi-code: type <code>xs:integer</code> Eigentlich redundant - eventuell ueber Entfernung nachdenken? product-line: type <code>xs:integer</code> diameter: type <code>xs:string</code> Standard-Durchmesser description: type <code>xs:string</code> refraction: type <code>refractionType</code> decentration: type <code>xs:string</code> 0..2 modify-thickness-flag: type <code>xs:boolean</code> Dickenaenderung zulaessig optima-flag: type <code>xs:boolean</code> nur noch voruebergehend aus Kompatibilitaetsgrunden vorhanden und wird demnächst entfernt - bitte optima-flag unter frame-data, bzw. frame-source verwenden! options: type <code>optionsType</code>
type	lensType
children	lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options
source	<code><xs:element name="left" type="lensType"/></code>

element positionType/single

diagram	
children	<u>right</u> <u>left</u>
source	<pre><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></pre>

element **positionType/single/right**

diagram	<pre> classDiagram class lensType { lens-code : xs:string lens-id : xs:string edi-code : xs:integer product-line : xs:integer diameter : xs:string description : xs:string refraction : refractionType decentration : xs:string modify-thickness-flag : xs:boolean optima-flag : xs:boolean options : optionsType } right : lensType --> refraction </pre>
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	<pre> classDiagram class lensType { lens-code xs:string lens-id xs:string edi-code xs:integer product-line xs:integer diameter xs:string description xs:string refraction refractionType decentration xs:string modify-thickness-flag xs:boolean optima-flag xs:boolean options optionsType } left : lensType --> refraction annotation for lens-id: Temporaer vorhanden zu Kompatibilitaetszwecken - wird in Kuerze entfernt! annotation for edi-code: Eigentlich redundant - eventuell ueber Entfernung nachdenken? annotation for diameter: Standard-Durchmesser annotation for modify-thickness-flag: Dickenaenderung zulaessig annotation for optima-flag: nur noch voruebergehend aus Kompatibilitaetsgrunden vorhanden und wird demnächst entfernt - bitte optima-flag unter frame-data, bzw. frame-source verwenden! </pre>
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	<pre> graph LR frame[frame] --- conn1(()) conn1 --- material[material type xs:int] conn1 --- pair[pair type] conn1 --- single[single type] conn1 --- pantoscopicAngle[pantoscopic-angle type xs:float] conn1 --- frameBowAngle[frame-bow-angle type xs:float] conn1 --- remoteEdging[remote-edging type remoteEdgingType] </pre>
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	<pre> graph LR customerType[customerType] --- conn1(()) conn1 --- customerID[customer-id type xs:string Kundennummer] conn1 --- orderGenerator[order-generator type xs:string System, mit dem der Auftrag erzeugt wurde] conn1 --- country[country type xs:string Kurzschlüssel ISO Code 2stellig] conn1 --- internal[internal type internalCustomerType] </pre>
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:sequence> </xs:complexType>

	<pre> </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>Kurzschlüssel ISO Code 2stellig</xs:documentation> </xs:annotation> </xs:element> <xs:element name="internal" type="internalCustomerType" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>
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element **customerType/customer-id**

diagram	
type	restriction of xs:string
facets	minLength 1 maxLength 20
annotation	documentation Kundennummer
source	<pre> <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> </pre>

element **customerType/order-generator**

diagram	
type	xs:string
annotation	documentation System, mit dem der Auftrag erzeugt wurde
source	<pre> <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> </pre>

element **customerType/country**

diagram	
type	xs:string

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

element customerType/internal

diagram	<pre> classDiagram class internalCustomerType { name : xs:string address : addressType delivery-typ : xs:string courier-id : xs:string additional-order-id : xs:string barcode : xs:string order-entry : orderEntryType } class internal { type internalCustomerType } internal --> internalCustomerType </pre>
type	internalCustomerType
children	name address delivery-typ courier-id additional-order-id barcode order-entry
source	<pre><xs:element name="internal" type="internalCustomerType" minOccurs="0"/></pre>

complexType rsaPublicKeyType

diagram	<pre> classDiagram class rsaPublicKeyType { modulus : xs:string exponent : xs:string } class rsaPublicKeyType rsaPublicKeyType --> rsaPublicKeyType </pre>
children	modulus exponent
source	<pre><xs:complexType name="rsaPublicKeyType"> <xs:sequence> <xs:element name="modulus" type="xs:string"/> <xs:element name="exponent" type="xs:string"/> </xs:sequence> </xs:complexType></pre>

element rsaPublicKeyType/modulus

diagram	<pre> ┌─────────┐ │ modulus │ └─────────┘ type xs:string </pre>
type	xs:string
source	<xs:element name="modulus" type="xs:string"/>

element rsaPublicKeyType/exponent

diagram	<pre> ┌─────────┐ │ exponent │ └─────────┘ type xs:string </pre>
type	xs:string
source	<xs:element name="exponent" type="xs:string"/>

complexType salesOrderExtType

diagram	<pre> graph LR salesOrderExtType[salesOrderExtType] --- customer[customer type customerType] salesOrderExtType --- order_id[order-id type xs:string] salesOrderExtType --- commission[commission type xs:string] salesOrderExtType --- delivery_date[delivery-date type xs:date] salesOrderExtType --- notes[notes type xs:string] salesOrderExtType --- quantity[quantity type xs:int] salesOrderExtType --- pair[pair type] salesOrderExtType --- single[single type] salesOrderExtType --- frame[frame type frameExtType] customer --- order_id commission --- delivery_date delivery_date --- notes quantity --- pair pair --- single single --- frame </pre>
type	restriction of salesOrderType
children	customer order-id commission delivery-date notes quantity pair single frame
used by	complexType positionType

source	<pre> <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 Übertragung)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="commission" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Einzelaufragsidentifikation </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:sequence> <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> </pre>
--------	--

element salesOrderExtType/customer

diagram	<pre> classDiagram class customerType { <<customer-id>> type xs:string Kundennummer <<order-generator>> type xs:string System, mit dem der Auftrag erzeugt wurde <<country>> type xs:string Kurzschlüssel ISO Code 2stellig <<internal>> type internalCustomerType } class customer { type customerType } customer "1" -- "1" customerType </pre>
type	customerType
children	customer-id order-generator country internal
source	<xs:element name="customer" type="customerType"/>

element salesOrderExtType/order-id

diagram	<pre> classDiagram class order-id { type xs:string } documentation: Eindeutige Identifikation auf Kundenseite (laufende Nummer der Übertragung) </pre>
type	xs:string
annotation	documentation Eindeutige Identifikation auf Kundenseite (laufende Nummer der Übertragung)
source	<xs:element name="order-id" type="xs:string"> <xs:annotation> <xs:documentation>Eindeutige Identifikation auf Kundenseite (laufende Nummer der Übertragung)</xs:documentation> </xs:annotation> </xs:element>

element salesOrderExtType/commission

diagram	<pre> classDiagram class commission { type xs:string } documentation: Einzelauftragsidentifikation </pre>
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	<pre> classDiagram class delivery-date { type xs:date } note over delivery-date: Wunschlieferdatum </pre>
type	xs:date
annotation	documentation Wunschlieferdatum
source	<pre> <xs:element name="delivery-date" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Wunschlieferdatum</xs:documentation> </xs:annotation> </xs:element> </pre>

element salesOrderExtType/notes

diagram	<pre> classDiagram class notes { type xs:string } note over notes: Bemerkung zum Einzelauftrag </pre>
type	restriction of xs:string
annotation	documentation Bemerkung zum Einzelauftrag
source	<pre> <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> </pre>

element salesOrderExtType/quantity

diagram	<pre> classDiagram class quantity { type xs:int } note over quantity: minInclusive 1 </pre>
type	restriction of xs:int
facets	minInclusive 1
source	<pre> <xs:element name="quantity"> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element salesOrderExtType/pair

diagram	<pre> graph LR pair[pair] --- general[general] general --- right[right] general --- left[left] right --- type1["type generalSideType"] left --- type2["type generalSideType"] right --- lensType1["lensType"] left --- lensType2["lensType"] </pre>
children	general right left
source	<pre> <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> </pre>

element salesOrderExtType/pair/general

diagram	<pre> graph LR general[general] --- right[right] general --- left[left] right --- type1["type generalSideType"] left --- type2["type generalSideType"] </pre>
children	right left
source	<pre> <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> </pre>

element salesOrderExtType/pair/general/right

diagram	<pre> graph LR right[right] --- generalSideType[generalSideType] generalSideType --- balancingLens[balancing-lens] generalSideType --- virtualLens[virtual-lens] balancingLens --- type1["type xs:boolean"] virtualLens --- type2["type xs:boolean"] balancingLens --- Ausgleichsglas["Ausgleichsglas"] virtualLens --- Scheinglas["Scheinglas"] </pre>
---------	---

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

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

diagram	<pre> classDiagram class left { type generalSideType } class balancing-lens { type xs:boolean value Ausgleichsglas } class virtual-lens { type xs:boolean value Scheinglas } left "2" --> junction junction --> balancing-lens junction --> virtual-lens </pre>
type	generalSideType
children	balancing-lens virtual-lens
source	<xs:element name="left" type="generalSideType"/>

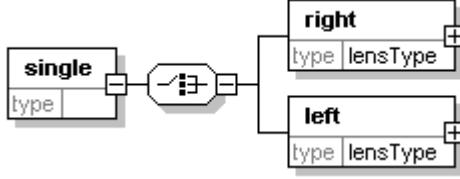
element **salesOrderExtType/pair/right**

diagram	<pre> classDiagram class lensType { lens-code xs:string lens-id xs:string edi-code xs:integer product-line xs:integer diameter xs:string description xs:string refraction refractionType decentration xs:string modify-thickness-flag xs:boolean optima-flag xs:boolean options optionsType } right "1..1" --> lensType : <<lensType>> </pre>
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	<pre> classDiagram class lensType { lens-code : xs:string lens-id : xs:string edi-code : xs:integer product-line : xs:integer diameter : type xs:string description : type xs:string refraction : refractionType decentration : type xs:string modify-thickness-flag : xs:boolean optima-flag : xs:boolean options : optionsType } left : lensType left --> lensType </pre>
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	<u>right</u> <u>left</u>
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>

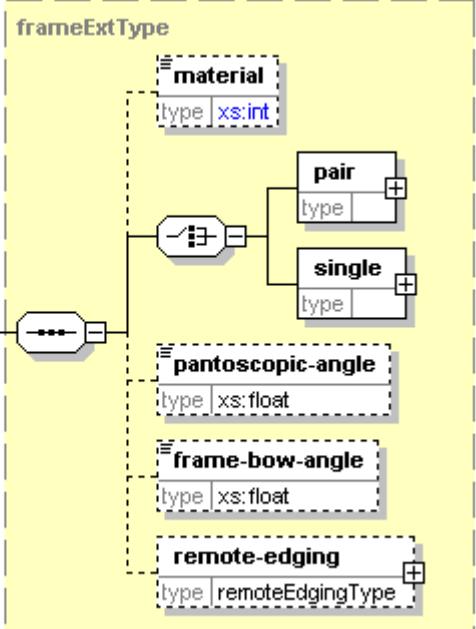
element **salesOrderExtType/single/right**

diagram	<pre> classDiagram class lensType { lens-code xs:string lens-id xs:string edi-code xs:integer product-line xs:integer diameter xs:string description xs:string refraction refractionType decentration xs:string modify-thickness-flag xs:boolean optima-flag xs:boolean options optionsType } right "1..1" --> lensType : <<lensType>> </pre>
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	<pre> classDiagram class lensType { lens-code : xs:string lens-id : xs:string edi-code : xs:integer product-line : xs:integer diameter : type xs:string description : type xs:string refraction : refractionType decentration : type xs:string modify-thickness-flag : xs:boolean optima-flag : xs:boolean options : optionsType } left : lensType left --> lensType note over edi-code: Temporaer vorhanden zu Kompatibilitaetszwecken - wird in Kuerze entfernt! note over diameter: Eigentlich redundant - eventuell ueber Entfernung nachdenken? note over description: Standard-Durchmesser note over decentration: 0..2 note over modify-thickness-flag: Dickenaenderung zulaessig note over optima-flag: nur noch voruebergehend aus Kompatibilitaetsgrunden vorhanden und wird demnächst entfernt - bitte optima-flag unter frame-data, bzw. frame-source verwenden! </pre>
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	<pre> graph TD addressType[addressType] --> name[name] addressType --> street[street] addressType --> poBox(po-box) addressType --> zipCode[zip-code] addressType --> city[city] addressType --> province[province] addressType --> region[region] addressType --> state[state] addressType --> country[country] addressType --> phone[phone] addressType --> fax[fax] addressType --> email[email] subgraph Choice [] province region state end country --- Choice phone --- SimpleContent fax --- SimpleContent </pre>
children	name street po-box zip-code city province region state country phone fax email
used by	elements positionType / consignee/address internalCustomerType / address
source	<pre> <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:sequence> </xs:complexType> </pre>

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	<pre> <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:sequence> </xs:complexType> </pre>

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

element internalCustomerType/name

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

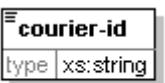
element internalCustomerType/address

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

element internalCustomerType/delivery-typ

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

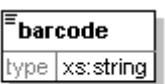
element internalCustomerType/courier-id

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

element internalCustomerType/additional-order-id

diagram	 z.B. Optiswiss, IPRO
type	xs:string
annotation	documentation z.B. Optiswiss, IPRO
source	<pre><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></pre>

element internalCustomerType/barcode

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

element **internalCustomerType/order-entry**

diagram	<pre> classDiagram class order-entry { type orderEntryType } class orderEntryType { order-typ arrangement complaint model-lens terminal time date duration-of-delivery } order-entry "0..1" --> "1" orderEntryType </pre>
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	<pre> graph TD salesOrderType[salesOrderType] --- sequence[...] sequence --- customer[customer type: customerType] sequence --- orderID[order-id type: xs:string] sequence --- commission[commission type: xs:string] sequence --- deliveryDate[delivery-date type: xs:date] sequence --- notes[notes type: xs:string] sequence --- quantity[quantity type: xs:int] sequence --- generalPreCalc[general-pre-calc type: generalPreCalcType] generalPreCalc --- pair[pair type:] generalPreCalc --- single[single type:] generalPreCalc --- frame[frame type: frameType] </pre>
children	customer order-id commission delivery-date notes quantity general-pre-calc pair single frame
used by	complexType salesOrderExtType
source	<pre> <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 Übertragung)</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> </pre>

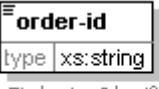
	<pre> <xs:documentation>Bemerkung zum Einzelauftrag</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"/> </xs:simpleType> </xs:element> <xs:element name="quantity"> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType> </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> </pre>
--	---

element salesOrderType/customer

diagram	<pre> classDiagram class customerType { <<customer-id>> type xs:string <<order-generator>> type xs:string <<country>> type xs:string <<internal>> type internalCustomerType } class customer { type customerType } customer "1" -- "1" customerType </pre>
type	customerType
children	customer-id order-generator country internal

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

element salesOrderType/order-id

diagram	 <p>Eindeutige Identifikation auf Kundenseite (laufende Nummer der Übertragung)</p>
type	xs:string
annotation	documentation Eindeutige Identifikation auf Kundenseite (laufende Nummer der Übertragung)

element salesOrderType/commission

diagram	 <p>Einzelauftragsidentifikation</p>
type	xs:string
annotation	documentation Einzelauftragsidentifikation

element salesOrderType/delivery-date

diagram	 <p>Wunschlieferdatum</p>
type	xs:date
annotation	documentation Wunschlieferdatum

element salesOrderType/notes

diagram	 <p>Bemerkung zum Einzelauftrag</p>
type	restriction of xs:string
annotation	documentation Bemerkung zum Einzelauftrag

source	<pre><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></pre>
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element salesOrderType/quantity

diagram	<p>The diagram shows a class named "quantity" with a compartment labeled "type" containing "xs:int".</p>
type	restriction of xs:int
facets	minInclusive 1
source	<pre><xs:element name="quantity"> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element salesOrderType/general-pre-calc

diagram	<p>The diagram shows a class named "general-pre-calc" with a compartment labeled "type" containing "generalPreCalcType". A dashed line connects this class to another box labeled "generalPreCalcType" which contains five child elements: "generate-process-data", "control-level", "order-sign", "lab-id", and "internal-receipt-id". Each child element has its type listed in a compartment.</p>
type	generalPreCalcType
children	generate-process-data control-level order-sign lab-id internal-receipt-id
source	<pre><xs:element name="general-pre-calc" type="generalPreCalcType" minOccurs="0"/></pre>

element salesOrderType/pair

diagram	<pre> graph LR pair[pair] --- general[general] pair --- right[right] pair --- left[left] style general fill:none,stroke:none style right fill:#e0f2e0 style left fill:#e0f2e0 </pre>
children	general right left
source	<pre> <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> </pre>

element salesOrderType/pair/general

diagram	<pre> graph LR general[general] --- right[right] general --- left[left] style right fill:#e0f2e0 style left fill:#e0f2e0 </pre>
children	right left
source	<pre> <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> </pre>

element salesOrderType/pair/general/right

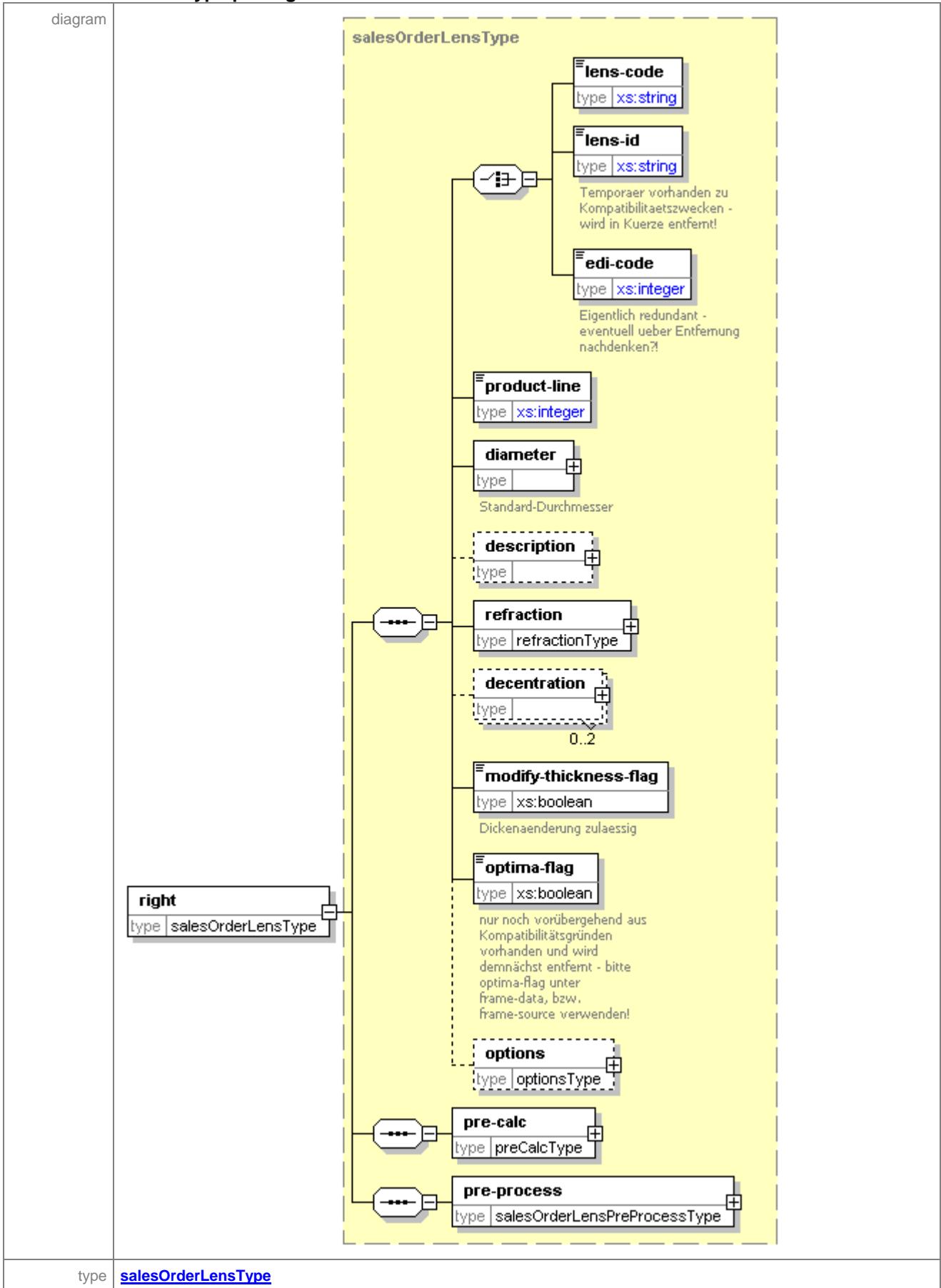
diagram	<pre> graph LR right[right] --- generalSideType[generalSideType] generalSideType --- balancingLens[balancing-lens] generalSideType --- virtualLens[virtual-lens] style generalSideType fill:none,stroke:none style balancingLens fill:#e0f2e0 style virtualLens fill:#e0f2e0 </pre>
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type	generalSideType
children	balancing-lens virtual-lens
source	<xs:element name="right" type="generalSideType"/>

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

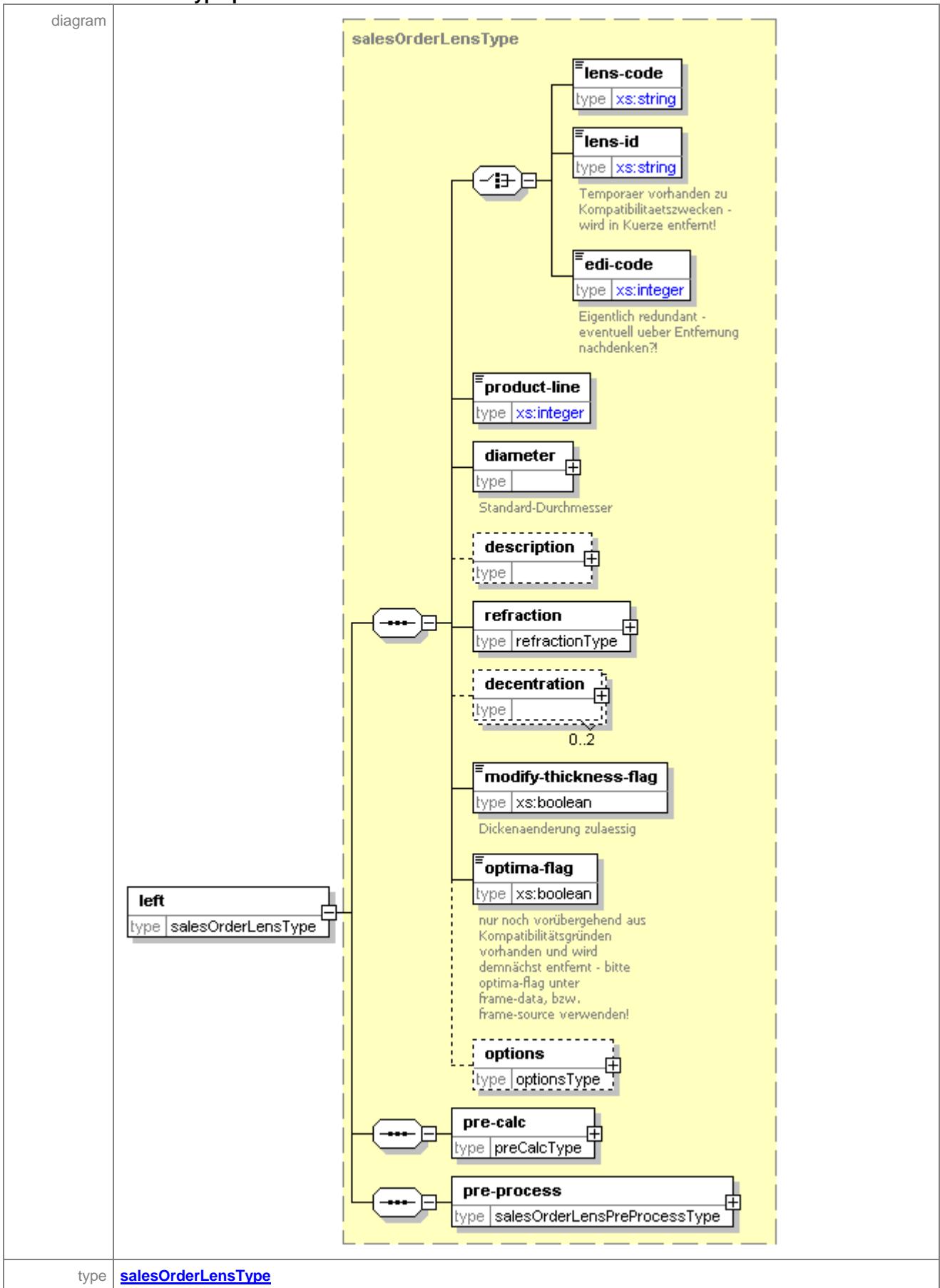
diagram	<pre> classDiagram class left { type generalSideType } class generalSideType { type xs:boolean balancing-lens type xs:boolean virtual-lens } left "3" -- "1" generalSideType generalSideType "1" -- "1" balancing-lens generalSideType "1" -- "1" virtual-lens balancing-lens << Ausgleichsglas >> virtual-lens << Scheinglas >> </pre>
type	generalSideType
children	balancing-lens virtual-lens
source	<xs:element name="left" type="generalSideType"/>

element **salesOrderType/pair/right**



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**

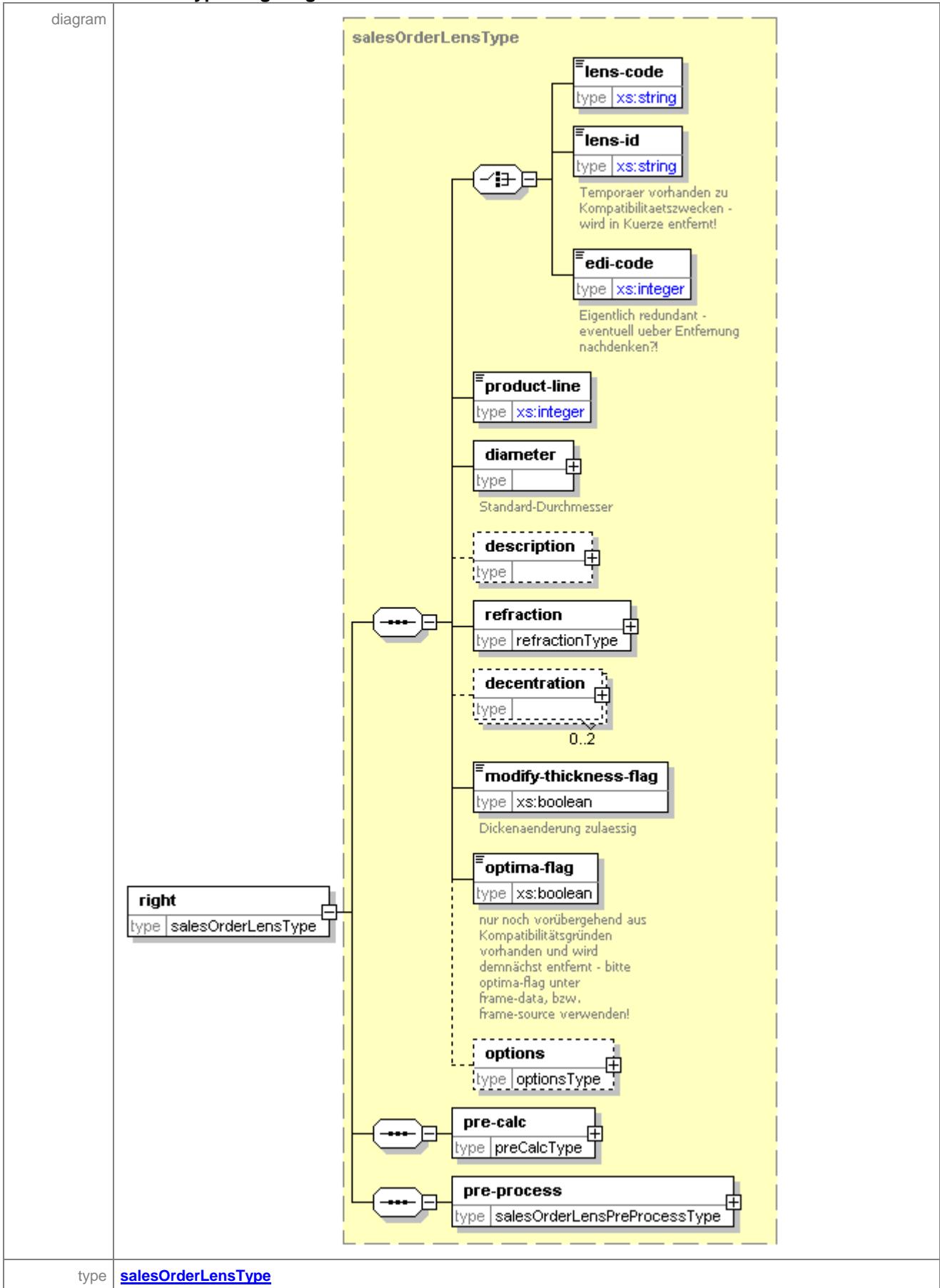


children	lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options pre-calc pre-process
source	<xs:element name="left" type="salesOrderLensType"/>

element salesOrderType/single

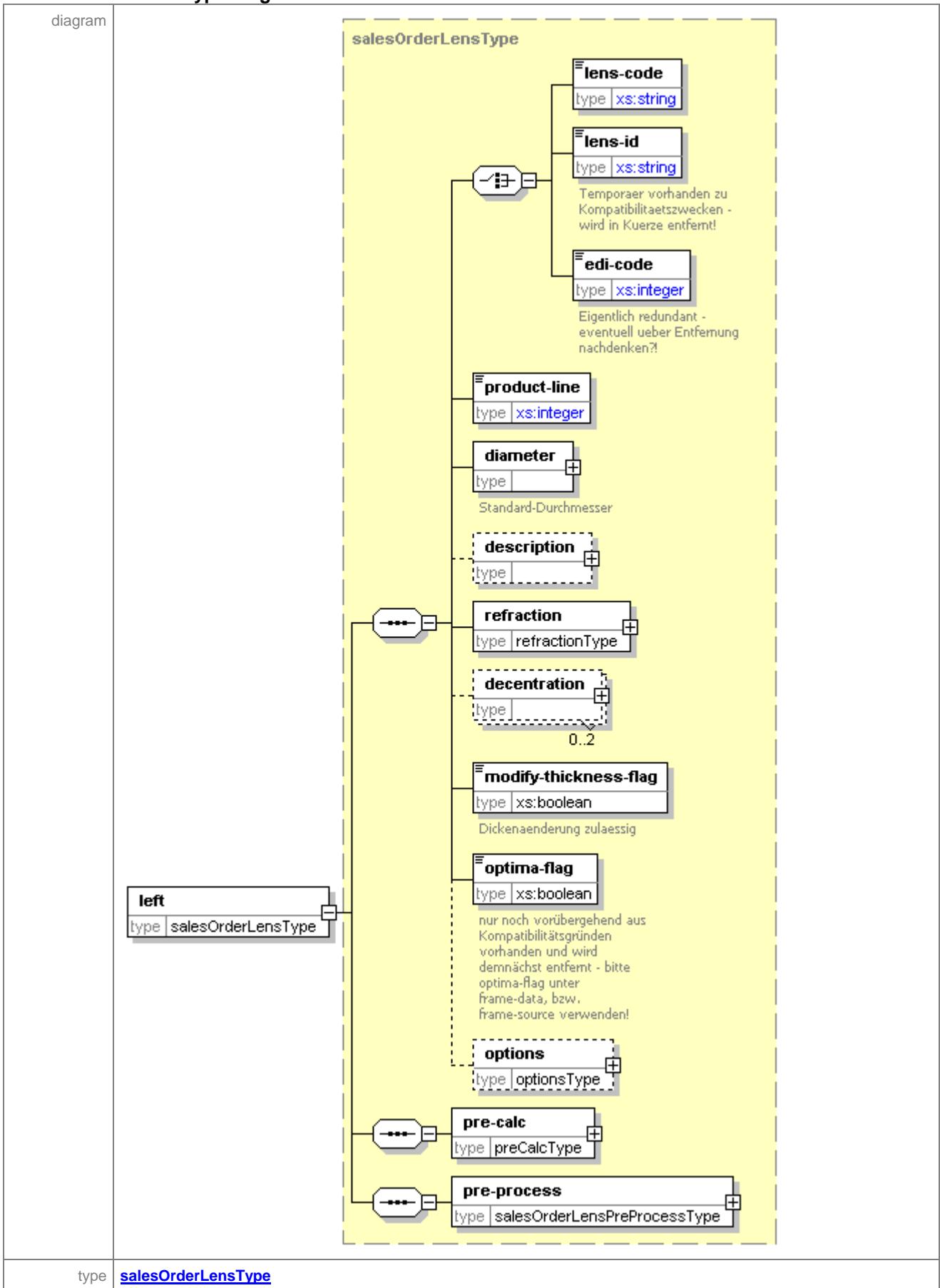
diagram	<pre> graph LR single[single] --> choice{choice} choice --> right[right] choice --> left[left] right["type salesOrderLensType"] left["type salesOrderLensType"] </pre>
children	right left
source	<xs:element name="single"> <xs:complexType> <xs:choice> <xs:element name="right" type="salesOrderLensType"/> <xs:element name="left" type="salesOrderLensType"/> </xs:choice> </xs:complexType> </xs:element>

element **salesOrderType/single/right**



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**



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	<pre> classDiagram class frameType { material pair single pantoscopic-angle frame-bow-angle remote-edging } class frame { <<frameType>> } frame "1" -- "0..1" frameType </pre>
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	<pre> classDiagram class frameExtType { material pair single pantoscopic-angle frame-bow-angle remote-edging } class frameExtType frameExtType "1" -- "0..1" frameExtType </pre>
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">

	<pre> <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> </pre>
--	---

element frameExtType/material

diagram	
type	restriction of xs:int
facets	minInclusive 1 maxInclusive 5
source	<pre> <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> </pre>

element frameExtType/pair

diagram	
children	right left
source	<pre> <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> </pre>

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

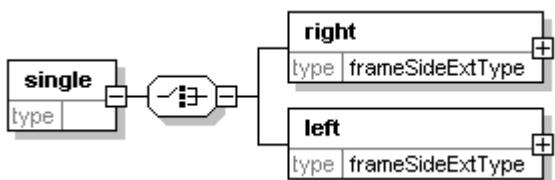
element frameExtType/pair/right

diagram	<p>The diagram illustrates the structure of the <code>frameExtType/pair/right</code> element. It consists of a main container labeled <code>frameSideExtType</code> containing several sub-components:</p> <ul style="list-style-type: none"> <code>frame-data</code>: Type <code>frameDataType</code>. Description: "'Normale' externe Bestellung'. <code>frame-special</code>: Type <code>frameSpecialType</code>. Description: 'Bestelldaten bei Indi ohne Optima'. <code>holes</code>: Type <code>holesType</code>. <code>back-vertex-distance</code>: Type <code>xs:float</code>. Description: 'Hornhautscheitelabstand Korrektionsbrille'. <p>The <code>right</code> component is shown as a separate box with type <code>frameSideExtType</code>, which is connected to the main container via a dashed line.</p>
type	frameSideExtType
children	frame-data frame-special holes back-vertex-distance
source	<code><xs:element name="right" type="frameSideExtType"/></code>

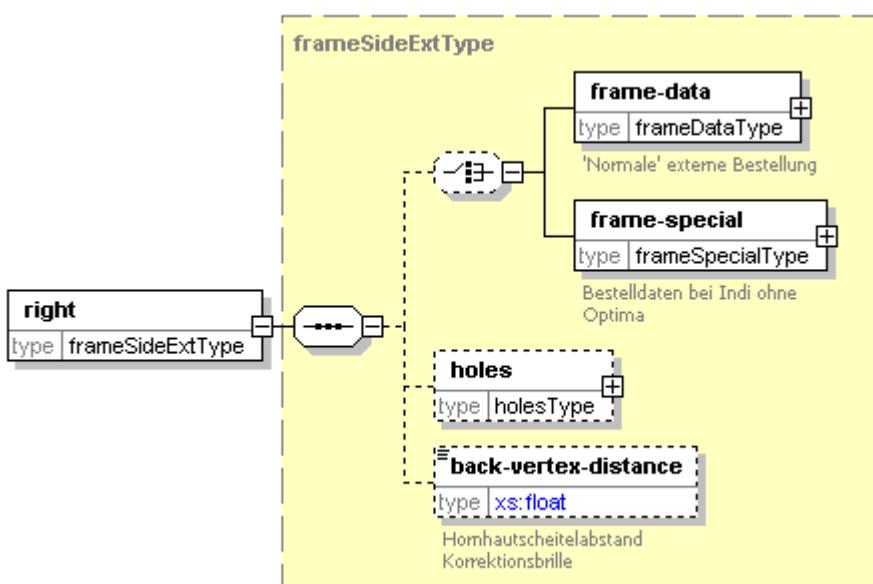
element frameExtType/pair/left

diagram	<p>The diagram illustrates the structure of the <code>frameExtType/pair/left</code> element. It consists of a main container labeled <code>frameSideExtType</code> containing several sub-components:</p> <ul style="list-style-type: none"> <code>frame-data</code>: Type <code>frameDataType</code>. Description: "'Normale' externe Bestellung'. <code>frame-special</code>: Type <code>frameSpecialType</code>. Description: 'Bestelldaten bei Indi ohne Optima'. <code>holes</code>: Type <code>holesType</code>. <code>back-vertex-distance</code>: Type <code>xs:float</code>. Description: 'Hornhautscheitelabstand Korrektionsbrille'. <p>The <code>left</code> component is shown as a separate box with type <code>frameSideExtType</code>, which is connected to the main container via a dashed line.</p>
type	frameSideExtType
children	frame-data frame-special holes back-vertex-distance
source	<code><xs:element name="left" type="frameSideExtType"/></code>

element frameExtType/single

diagram	
children	right left
source	<pre><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></pre>

element frameExtType/single/right

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

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	<pre> classDiagram class lens-code { type xs:string } class lens-id { type xs:string } class edi-code { type xs:integer } class product-line { type xs:integer } class diameter { type } class description { type } class refraction { type refractionType } class decentration { type } class modify-thickness-flag { type xs:boolean } class optima-flag { type xs:boolean } class options { type optionsType } lensType --> refraction </pre> <p>Annotations:</p> <ul style="list-style-type: none"> lens-id: Temporaer vorhanden zu Kompatibilitätszwecken - wird in Kuerze entfernt! edi-code: Eigentlich redundant - eventuell ueber Entfernung nachdenken? diameter: Standard-Durchmesser description, decentration, options: Dashed boxes. modify-thickness-flag: Dickenänderung zulaessig optima-flag: nur noch vorübergehend aus Kompatibilitätsgründen vorhanden und wird demnächst entfernt - bitte optima-flag unter frame-data, bzw., frame-source verwenden!
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 preCalcLensType
source	<pre> <xs:complexType name="lensType"> <xs:sequence> <xs:choice> <xs:element name="lens-code"> <xs:simpleType> </pre>

```

<xs:restriction base="xs:string">
  <xs:minLength value="1"/>
  <xsmaxLength 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"/>
    <xsmaxLength 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>Kleinste moglicher 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>Dickeänderung zulässig</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>

	<code></xs:simpleType></code> <code></xs:element></code>
--	---

element lensType/lens-id

diagram	
---------	---

element lensType/edi-code

diagram	 <p>Eigentlich redundant - eventuell ueber Entfernung nachdenken?</p>
type	restriction of <code>xs:integer</code>
facets	minInclusive -9999 maxInclusive 9999
annotation	documentation Eigentlich redundant - eventuell ueber Entfernung nachdenken?
source	<pre><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></pre>

element lensType/product-line

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

	<pre></xs:restriction> </xs:simpleType> </xs:element></pre>
--	---

element lensType/diameter

diagram	<pre> classDiagram diameter < -- physical diameter < -- optical diameter < -- optimized diameter --> physical diameter --> optical diameter --> optimized </pre> <p>The diagram illustrates the structure of the 'diameter' element. It is defined as a standard diameter with a type attribute. This element has three subtypes: 'physical', 'optical', and 'optimized'. Each subtype is also defined with a type attribute. The 'physical' subtype is described as a physical diameter, while the 'optical' and 'optimized' subtypes are described as optically active or optimized diameters.</p>
children	physical optical optimized
annotation	documentation Standard-Durchmesser
source	<pre> <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>Kleinstmöglicher 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></pre>

element lensType/diameter/physical

diagram	
type	restriction of xs:integer
facets	minInclusive 1 maxInclusive 99
annotation	documentation Physikalischer Durchmesser
source	<pre><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></pre>

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	<pre><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></pre>

element lensType/diameter/optimized

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

annotation	documentation Kleinstmoeglicher optimierter Durchmesser
source	<pre><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></pre>

element lensType/description

diagram	<pre> classDiagram class description { type xs:string } class name { type xs:string } class ceText { type xs:string } class note { type xs:string } class lensBagName { type xs:string } description < -- name description < -- ceText description < -- note description < -- lensBagName </pre>
children	name ce-text note lens-bag-name
source	<pre><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></pre>

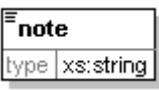
element lensType/description/name

diagram	<pre> classDiagram class name { type xs:string } </pre>
type	xs:string
source	<pre><xs:element name="name" type="xs:string" minOccurs="0"/></pre>

element lensType/description/ce-text

diagram	<pre> classDiagram class ceText { type xs:string } </pre>
type	xs:string
source	<pre><xs:element name="ce-text" type="xs:string" minOccurs="0" maxOccurs="unbounded"/></pre>

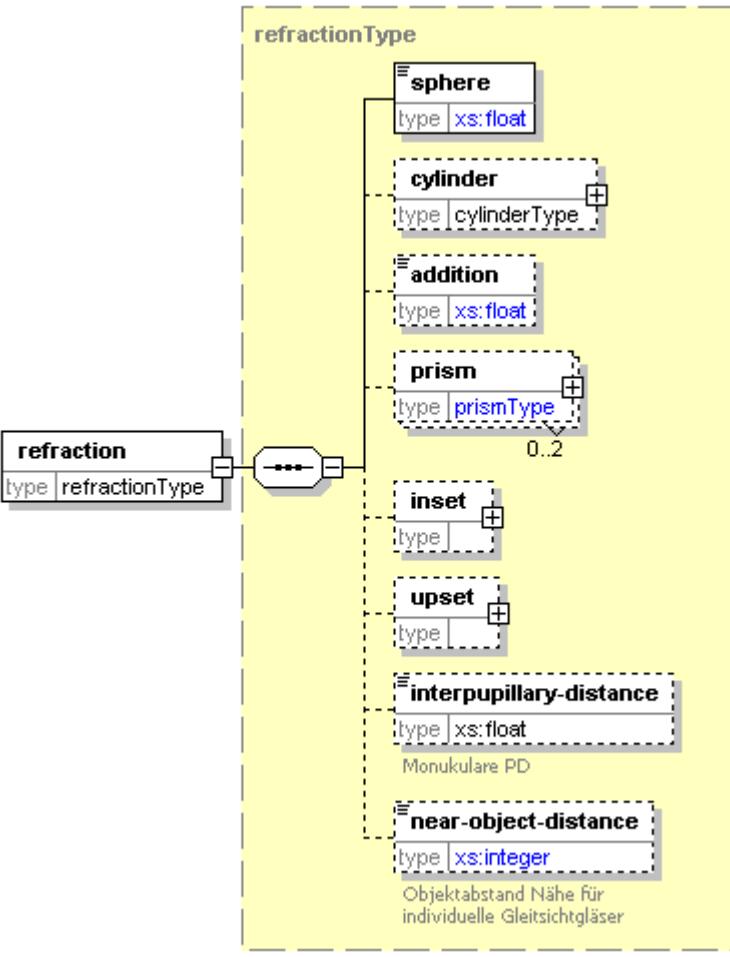
element lensType/description/note

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

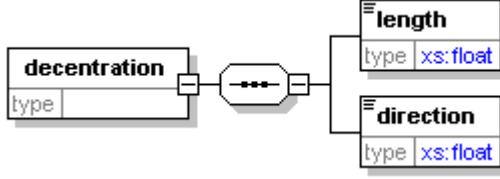
element lensType/description/lens-bag-name

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	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>origin</td> <td>xs:string</td> <td>optional</td> <td>internal</td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	origin	xs:string	optional	internal		
Name	Type	Use	Default	Fixed	Annotation								
origin	xs:string	optional	internal										
source	<pre><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></pre>												

element lensType/decentration/length

diagram					
type	restriction of xs:float				
facets	<table> <tr> <td>minInclusive</td> <td>0.1</td> </tr> <tr> <td>maxInclusive</td> <td>40.0</td> </tr> </table>	minInclusive	0.1	maxInclusive	40.0
minInclusive	0.1				
maxInclusive	40.0				
source	<pre><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></pre>				

element lensType/decentration/direction

diagram	
---------	---

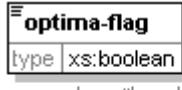
type	restriction of xs:float
facets	minInclusive 0.0 maxInclusive 360.0
source	<pre><xs:element name="direction"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0.0"/> <xs:maxInclusive value="360.0"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element lensType/modify-thickness-flag

diagram	 <p>Dickenaenderung zulaessig</p>
type	xs:boolean
annotation	documentation Dickenaenderung zulaessig

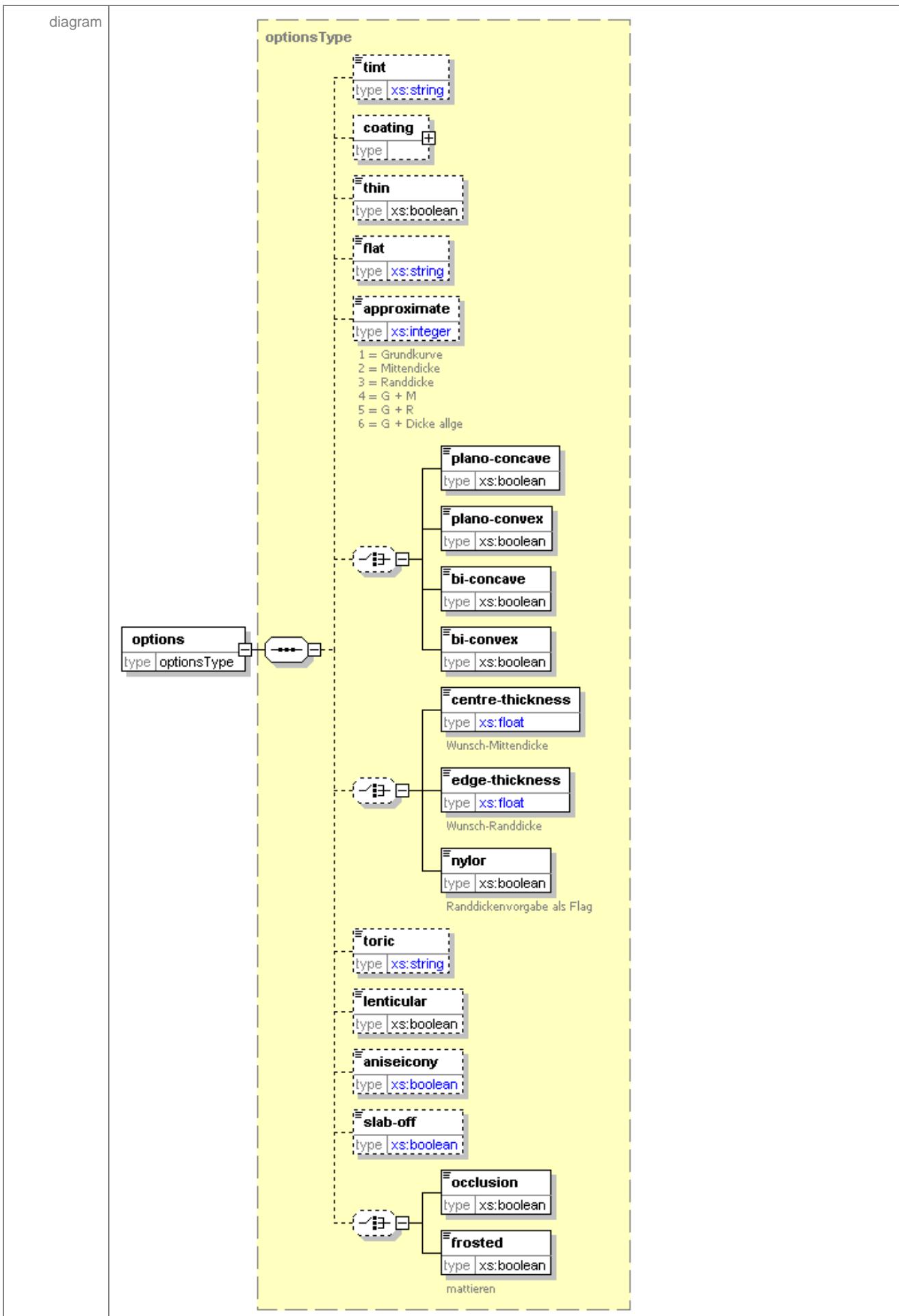
```
<xs:element name="modify-thickness-flag" type="xs:boolean">
<xs:annotation>
<xs:documentation>Dickenaenderung zulaessig</xs:documentation>
</xs:annotation>
</xs:element>
```

element lensType/optima-flag

diagram	 <p>nur noch vorübergehend aus Kompatibilitätsgründen vorhanden und wird demnächst entfernt - bitte optima-flag unter frame-data, bzw. frame-source verwenden!</p>
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!

```
<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**



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

complexType orderEntryType

diagram	<pre> classDiagram class orderEntryType { order-typ arrangement complaint model-lens terminal time date } orderEntryType < -->* order-typ orderEntryType < -->* arrangement orderEntryType < -->* complaint orderEntryType < -->* model-lens orderEntryType < -->* terminal orderEntryType < -->* time orderEntryType < -->* date </pre>
children	order-typ arrangement complaint model-lens terminal time date duration-of-delivery
used by	element internalCustomerType/order-entry
source	<pre> <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:sequence> </xs:complexType> </pre>

	<pre> <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> </pre>
--	--

element orderEntryType/order-typ

diagram	
type	xs:string
annotation	documentation 1=DFUE,2=TFAX,usw
source	<pre> <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> </pre>

element orderEntryType/arrangement

diagram	
type	xs:string
annotation	documentation 1=Neuanlage, 2=Aenderung, 3=Loeschung
source	<pre> <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> </pre>

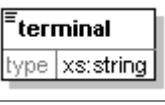
element orderEntryType/complaint

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

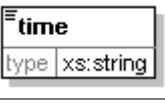
element orderEntryType/model-lens

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>

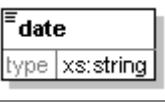
element orderEntryType/terminal

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

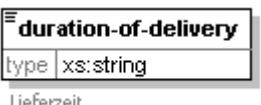
element orderEntryType/time

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	<pre> graph TD frameType[frameType] --> material[material type xs:int] frameType --> pair[pair type] frameType --> single[single type] frameType --> pantoscopicAngle[pantoscopic-angle type xs:float] frameType --> frameBowAngle[frame-bow-angle type xs:float] frameType --> remoteEdging[remote-edging type remoteEdgingType] </pre>
children	material pair single pantoscopic-angle frame-bow-angle remote-edging
used by	element salesOrderType/frame complexType frameExtType
source	<pre> <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> </pre>

element frameType/material

diagram	<pre> graph TD material[material type xs:int] </pre>
type	restriction of xs:int

facets	minInclusive 1 maxInclusive 5
source	<pre><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></pre>

element frameType/pair

diagram	
children	<u>right</u> <u>left</u>
source	<pre><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></pre>

element frameType/pair/right

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

element frameType/pair/left

diagram	<pre> classDiagram class frameSideType { frame-data frame-source frame-special holes } left < -- frameSideType back-vertex-distance < -- frameSideType </pre>
type	frameSideType
children	frame-data frame-source frame-special holes back-vertex-distance
source	<xs:element name="left" type="frameSideType"/>

element frameType/single

diagram	<pre> classDiagram class single { right left } right < -- single left < -- single </pre>
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

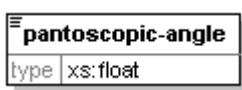
diagram	<pre> classDiagram frameSideType { frame-data frame-source frame-special holes } right : frameSideType --> frame-data back-vertex-distance { type xs:float } </pre>
type	frameSideType
children	frame-data frame-source frame-special holes back-vertex-distance
source	<xs:element name="right" type="frameSideType"/>

element frameType/single/left

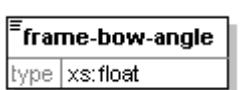
diagram	<pre> classDiagram frameSideType { frame-data frame-source frame-special holes } left : frameSideType --> frame-data back-vertex-distance { type xs:float } </pre>
---------	---

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

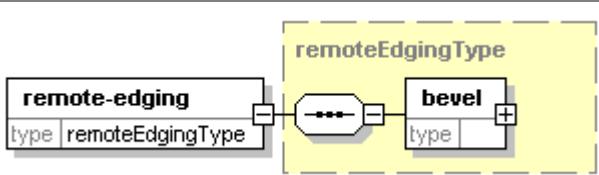
element frameType/pantoscopic-angle

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	<pre> classDiagram class generalPreCalcType { generate-process-data control-level order-sign lab-id internal-receipt-id } generalPreCalcType < -- sequence sequence < -- generate-process-data sequence < -- control-level sequence < -- order-sign sequence < -- lab-id sequence < -- internal-receipt-id </pre>
children	generate-process-data control-level order-sign lab-id internal-receipt-id
used by	element salesOrderType/general-pre-calc
source	<pre> <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: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:element> <xs:element name="internal-receipt-id" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>interne PC-Rezept- rechnungsnummer</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

	<pre> <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> </pre>
--	---

element generalPreCalcType/generate-process-data

diagram	<p>generate-process-data</p> <table border="1"> <tr> <td>type</td><td>xs:integer</td></tr> </table> <p>0=saemtliche Fertigungsdaten fuer Produktion, auch System- technik 1=teilweise (alle Formulardaten) 2=keine (Beratung Standard bei consult)</p>	type	xs:integer
type	xs:integer		
type	xs:integer		
annotation	documentation 0=saemtliche Fertigungsdaten fuer Produktion, auch System- technik 1=teilweise (alle Formulardaten) 2=keine (Beratung Standard bei consult)		
source	<pre> <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> </pre>		

element generalPreCalcType/control-level

diagram	<p>control-level</p> <table border="1"> <tr> <td>type</td><td>xs:integer</td></tr> </table> <p>0=Kontrolle 1=keine Kontrolle 2=teilweise</p>	type	xs:integer
type	xs:integer		
type	restriction of xs:integer		
facets	minInclusive 0 maxInclusive 1		
annotation	documentation 0=Kontrolle 1=keine Kontrolle 2=teilweise		
source	<pre> <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> </pre>		

	</xs:element>
--	---------------

element generalPreCalcType/order-sign

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

element generalPreCalcType/lab-id

diagram	
	SAP-VWERK-Eintr. z.B. 1001 Aalen default
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	<pre><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></pre>

element generalPreCalcType/internal-receipt-id

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

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

complexType generalSideType

diagram	<pre> graph LR A[generalSideType] --> B(()) B --> C[balancing-lens] B --> D[virtual-lens] C --> E[Ausgleichsglas] D --> F[Scheinglas] </pre>
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	<pre><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></pre>

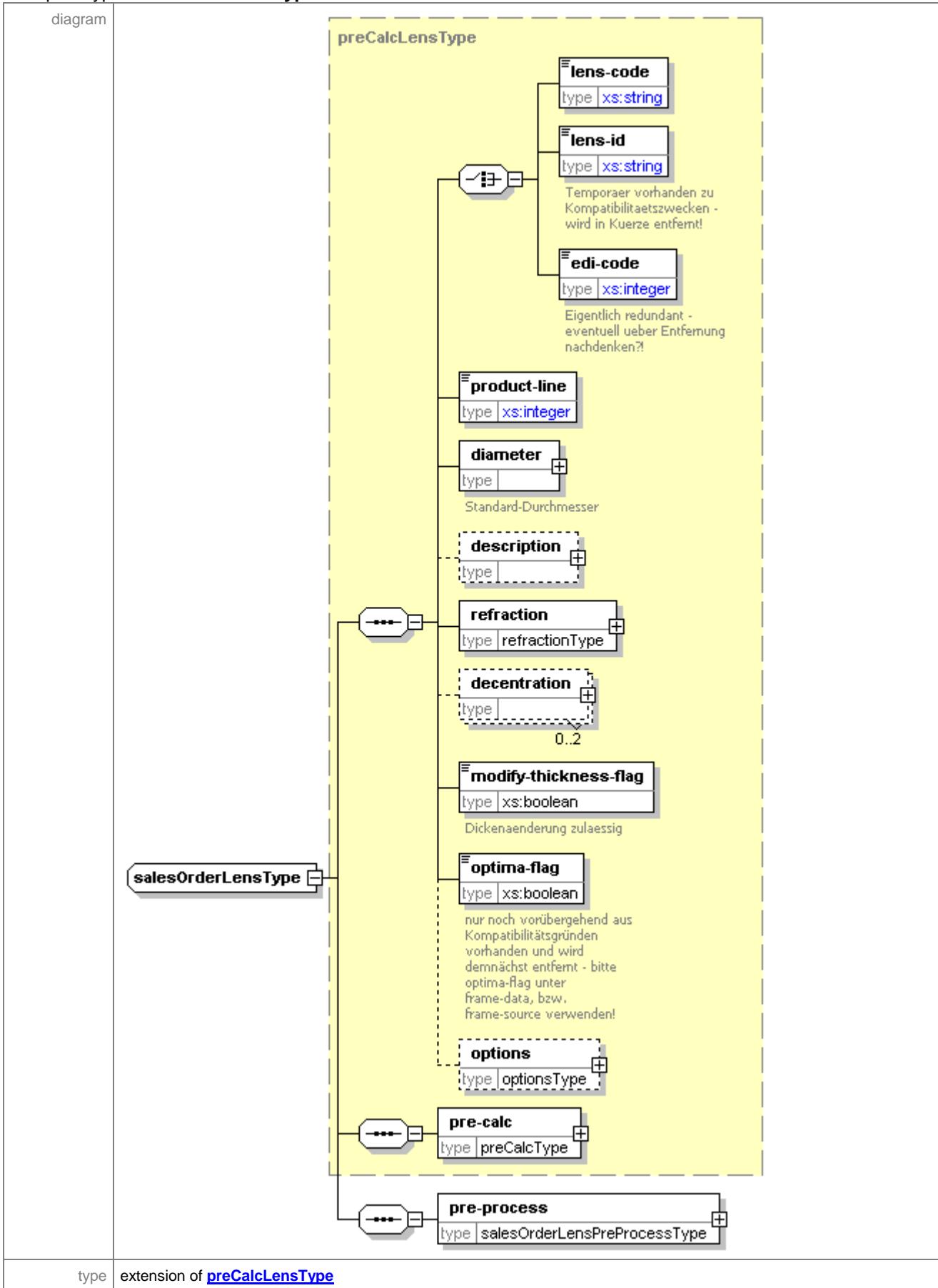
element generalSideType/balancing-lens

diagram	<pre> graph LR A[balancing-lens] A --> B[Ausgleichsglas] </pre>
type	extension of xs:boolean
annotation	documentation Ausgleichsglas
source	<pre><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></pre>

element generalSideType/virtual-lens

diagram	
type	extension of xs:boolean
annotation	documentation Scheinglas
source	<pre><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></pre>

complexType **salesOrderLensType**

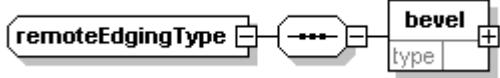


children	lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options pre-calc pre-process
used by	elements salesOrderType/pair/left salesOrderType/single/left salesOrderType/pair/right salesOrderType/single/right
source	<pre><xs:complexType 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></pre>

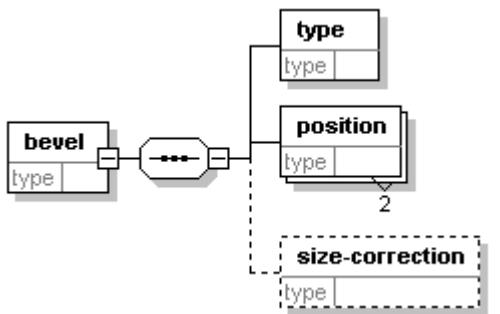
element **salesOrderLensType/pre-process**

diagram	<pre> classDiagram class salesOrderLensPreProcessType { position-number lens-sign blocker blocker-support correction-rx-surface semi-finished-produce-flag disabled-blanks radius disable-thickness-reduction-prism edging } class pre-process { type salesOrderLensPreProcessType } salesOrderLensPreProcessType < -- pre-process </pre>
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	<pre><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></pre>

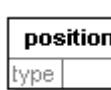
element remoteEdgingType/bevel

diagram	
children	type position size-correction
source	<pre><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></pre>

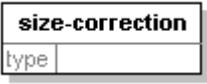
element remoteEdgingType/bevel/type

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

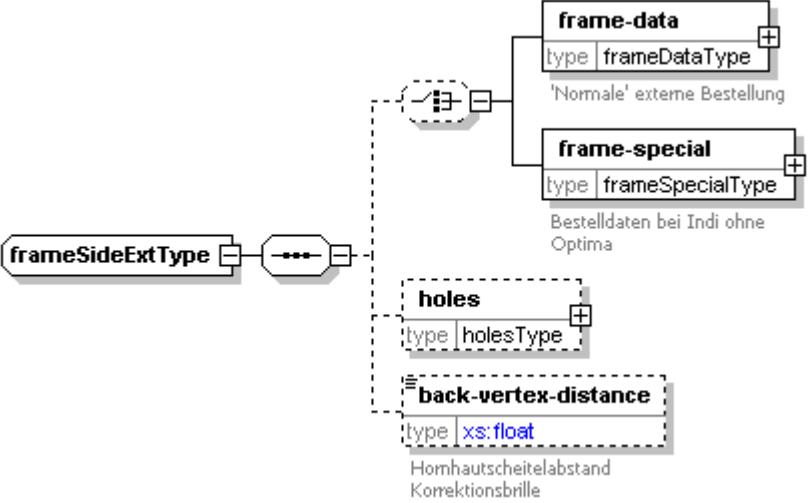
element remoteEdgingType/bevel/position

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

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	<pre> <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> </pre>

element frameSideExtType/frame-data

diagram	<pre> classDiagram frameDataType { id-number : xs:int manufacturer : xs:string box-length : xs:float box-height : xs:float shape : shapeType model : xs:int centration : centrationType optima-flag : xs:boolean } frame-data "1" -- "1" frameDataType frame-data { type : frameDataType } frame-data <--> "Normale" externe Bestellung </pre>
type	frameDataType
children	id-number manufacturer box-length box-height shape model centration optima-flag
annotation	documentation 'Normale' externe Bestellung
source	<pre> <xs:element name="frame-data" type="frameDataType"> <xs:annotation> <xs:documentation>'Normale' externe Bestellung</xs:documentation> </xs:annotation> </xs:element> </pre>

element frameSideExtType/frame-special

diagram	<pre> classDiagram frameSpecialType { box-length box-height centration : centrationType } frame-special "1" -- "1" frameSpecialType frame-special { type : frameSpecialType } frame-special <--> Bestelldaten bei Indi ohne Optima </pre>
type	frameSpecialType

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

element frameSideExtType/holes

diagram	<pre> classDiagram holesType { reference-point : xs:int minimal-thickness : xs:float cartesian : xs:float polar : xs:float } holes { holesType } holes < -- holesType holesType < -- reference-point holesType < -- minimal-thickness holesType < -- cartesian holesType < -- polar </pre>
type	holesType
children	reference-point minimal-thickness cartesian polar
source	<pre><xs:element name="holes" type="holesType" minOccurs="0"/></pre>

element frameSideExtType/back-vertex-distance

diagram	<pre> classDiagram back-vertex-distance { type : xs:float } back-vertex-distance < -- "Hornhautscheitelabstand Korrektionsbrille" </pre>
type	extension of xs:float
annotation	documentation Hornhautscheitelabstand Korrektionsbrille
source	<pre><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></pre>

complexType refractionType

diagram	<pre> graph LR refractionType[refractionType] --- sphere[sphere] sphere --- cylinder[cylinder] cylinder --- addition[addition] addition --- prism[prism] prism --- inset[inset] inset --- upset[upset] prism --- nearObjectDistance[near-object-distance] style inset stroke-dasharray: 5 5 style upset stroke-dasharray: 5 5 style nearObjectDistance stroke-dasharray: 5 5 </pre>
children	sphere cylinder addition prism inset upset interpupillary-distance near-object-distance
used by	element lensType/refraction
source	<pre> <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" type=""/>inset</xs:element> <xs:element name="upset" type=""/>upset</xs:element> <xs:element name="interpupillary-distance" type="xs:float"> <xs:annotation> <xs:locale>Monukulare PD</xs:locale> </xs:annotation> </xs:element> <xs:element name="near-object-distance" type="xs:integer"> <xs:annotation> <xs:locale>Objektabstand Nähe für individuelle Gleitsichtgläser</xs:locale> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

```

</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>
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<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>
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<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>
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</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:minInclusive 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	<pre> classDiagram cylinder < -- cylinderType cylinderType { <<power>> <<axis>> } <<power>> { type xs:float } <<axis>> { type xs:integer } </pre>
type	cylinderType
children	power axis
source	<xs:element name="cylinder" type="cylinderType" minOccurs="0"/>

element refractionType/addition

diagram	<pre> classDiagram <<addition>> { type xs:float } </pre>
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> <br < xs:simpletype><br=""></br <> </xs:element>

element refractionType/prism

diagram	<pre> classDiagram prism < -- prismType prismType { <<power>> <<base>> } <<power>> { type xs:float } <<base>> { type xs:float } </pre>												
type	extension of prismType												
children	power base												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>pupillary-distance-correction</td> <td>xs:int</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	pupillary-distance-correction	xs:int	optional			
Name	Type	Use	Default	Fixed	Annotation								
pupillary-distance-correction	xs:int	optional											
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>												

	<pre> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>
--	---

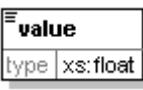
element refractionType/inset

diagram	<pre> classDiagram inset < -- null : type xs:string inset < -- value : type xs:float inset < -- z : type xs:float inset < -- q : type xs:float inset --> null inset --> value inset --> z inset --> q note over inset: Nah-PD </pre>
children	null value z q
source	<pre> <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> </pre>

element refractionType/inset/null

diagram	<pre> classDiagram null < -- type xs:string </pre>
type	restriction of xs:string
facets	enumeration null
source	<pre> <xs:element name="null"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="null"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element refractionType/inset/value

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

element refractionType/inset/z

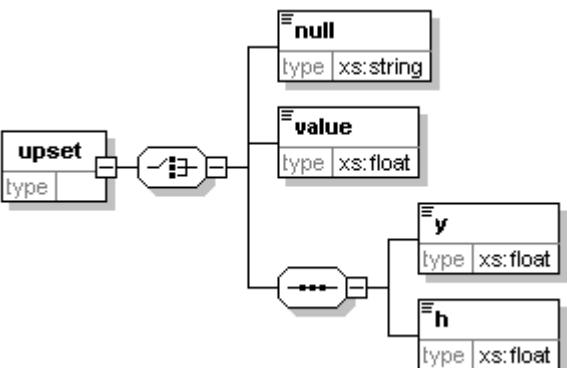
diagram	
type	xs:float
source	<xs:element name="z" type="xs:float"/>

element refractionType/inset/q

diagram	
	Nah-PD
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

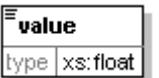
diagram	
children	<u>null</u> <u>value</u> <u>y</u> <u>h</u>
source	<xs:element name="upset" minOccurs="0"> <xs:complexType> <xs:choice> <xs:element name="null" type="xs:string"/> <xs:element name="value" type="xs:float"/> <xs:sequence> <xs:element name="y" type="xs:float"/> <xs:element name="h" type="xs:float"/>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

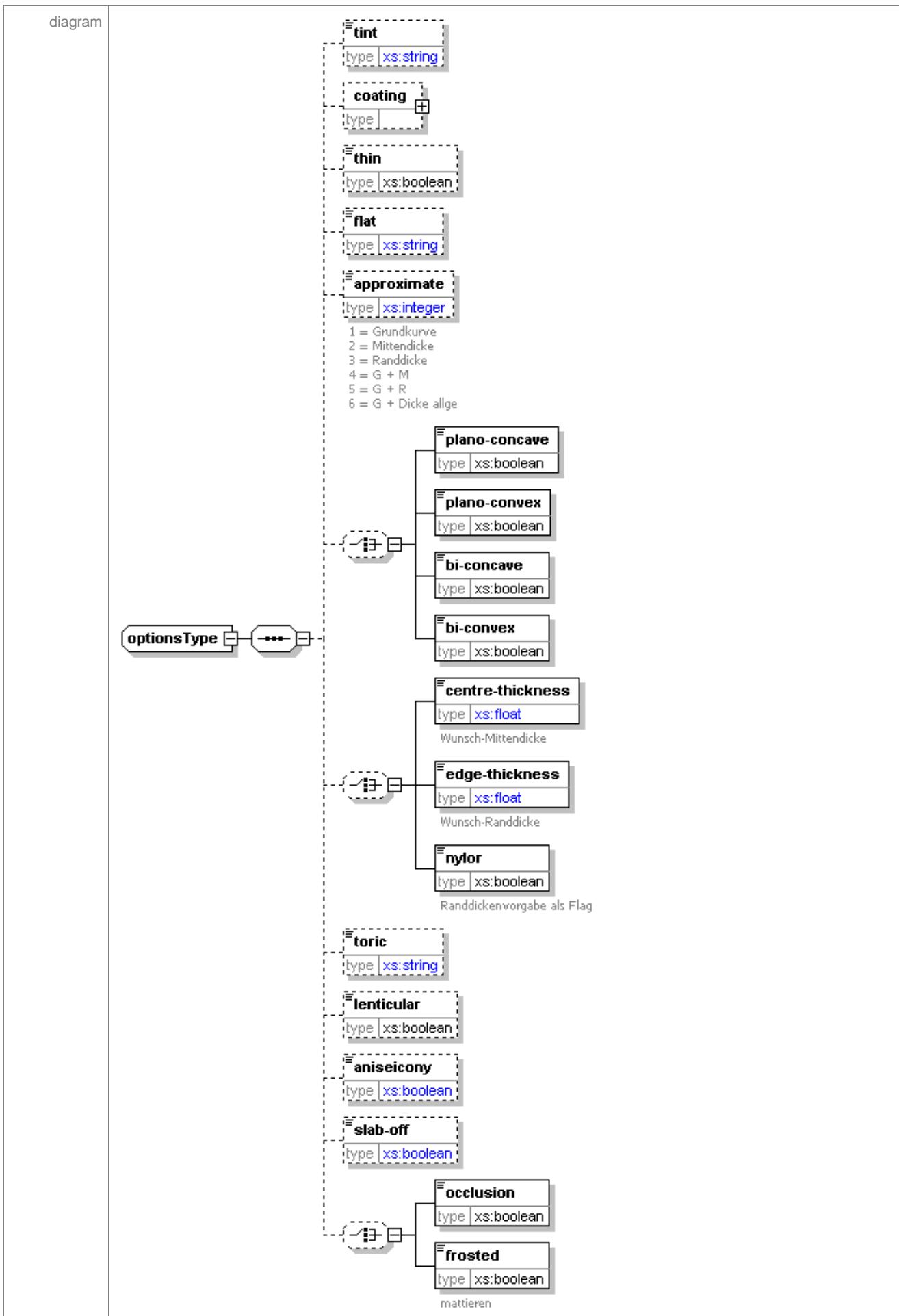
diagram	 Monukulare PD
type	xs:float
annotation	documentation Monukulare PD

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	<pre> classDiagram class near-object-distance { type xs:integer } note over near-object-distance: Objektabstand Nähe für individuelle Gleitsichtgläser </pre>
type	restriction of xs:integer
facets	maxInclusive 4444
annotation	documentation Objektabstand Nähe für individuelle Gleitsichtgläser
source	<pre> <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> </pre>

complexType **optionsType**



children	tint coating thin flat approximate plano-concave plano-convex bi-concave bi-convex centre-thickness edge-thickness nylon toric lenticular aniseicony slab-off occlusion frosted
used by	element lensType/options
source	<pre> <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:sequence> </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</xs:documentation> </xs:annotation> </xs:element></pre>

```

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">
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<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>

```

	<pre> <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> </pre>
--	---

element optionsType/tint

diagram	<pre> classDiagram class tint { <<xs:string>> } tint < -- xs:string </pre>												
type	extension of <code>xs:string</code>												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>note</td> <td><code>xs:string</code></td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	note	<code>xs:string</code>	optional			
Name	Type	Use	Default	Fixed	Annotation								
note	<code>xs:string</code>	optional											
source	<pre> <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> </pre>												

element optionsType/coating

diagram	<pre> compositeStructureDiagram coating --o antireflection coating --o hard coating --o tint coating --o uv-protection antireflection < -- xs:string hard < -- xs:string tint < -- xs:string uv-protection < -- xs:string tint < -- tint tint < -- umbra </pre>
children	antireflection hard tint uv-protection
source	<pre> <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"/> </pre>

```

<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	<table> <thead> <tr> <th>Name</th><th>Type</th><th>Use</th><th>Default</th><th>Fixed</th><th>Annotation</th></tr> </thead> <tbody> <tr> <td>side</td><td>xs:string</td><td>required</td><td></td><td></td><td></td></tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	side	xs:string	required			
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	<pre><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></pre>

element optionsType/coating/uv-protection

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

element optionsType/thin

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

element optionsType/flat

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

	<pre></xs:restriction> </xs:simpleType> </xs:element></pre>
--	---

element optionsType/approximate

diagram	<pre>approximate type xs:integer 1 = Grundkurve 2 = Mittendicke 3 = Randdicke 4 = G + M 5 = G + R 6 = G + Dicke alle</pre>
type	extension of xs:integer
annotation	documentation 1 = Grundkurve 2 = Mittendicke 3 = Randdicke 4 = G + M 5 = G + R 6 = G + Dicke alle
source	<pre><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 alle</xs:documentation> <xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:integer"/> </xs:simpleContent> </xs:complexType> </xs:element></pre>

element optionsType/plano-concave

diagram	<pre>plano-concave type xs:boolean</pre>
type	xs:boolean
source	<pre><xs:element name="plano-concave" type="xs:boolean"/></pre>

element optionsType/plano-convex

diagram	<pre>plano-convex type xs:boolean</pre>
type	xs:boolean
source	<pre><xs:element name="plano-convex" type="xs:boolean"/></pre>

element optionsType/bi-concave

diagram	<pre>bi-concave type xs:boolean</pre>
type	xs:boolean

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

element optionsType/bi-convex

diagram	 A diagram showing a rounded rectangle labeled "bi-convex" with a "type" box below it containing "xs:boolean".
type	xs:boolean
source	<xs:element name="bi-convex" type="xs:boolean"/>

element optionsType/centre-thickness

diagram	 A diagram showing a rounded rectangle labeled "centre-thickness" with a "type" box below it containing "xs:float". Wunsch-Mittendicke
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	 A diagram showing a rounded rectangle labeled "edge-thickness" with a "type" box below it containing "xs:float". Wunsch-Randdicke
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	 Randdickenvorgabe als Flag
type	xs:boolean
annotation	documentation Randdickenvorgabe als Flag
source	<pre><xs:element name="nylor" type="xs:boolean"> <xs:annotation> <xs:documentation>Randdickenvorgabe als Flag</xs:documentation> </xs:annotation> </xs:element></pre>

element optionsType/toric

diagram	 front back
type	restriction of xs:string
facets	enumeration front enumeration back
source	<pre><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></pre>

element optionsType/lenticular

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

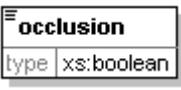
element optionsType/aniseicony

diagram	 front back												
type	extension of xs:boolean												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>value</td> <td>xs:float</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	value	xs:float	optional			
Name	Type	Use	Default	Fixed	Annotation								
value	xs:float	optional											
source	<pre><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></pre>												

element optionsType/slab-off

diagram													
type	extension of xs:boolean												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>value</td> <td>xs:float</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	value	xs:float	optional			
Name	Type	Use	Default	Fixed	Annotation								
value	xs:float	optional											
source	<pre><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></pre>												

element optionsType/occlusion

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

element optionsType/frosted

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

complexType preCalcType

diagram	<pre> classDiagram class preCalcType { edge-thickness-demo focal-type material-category refractive-index refractive-index-type surface-type phototrophic diameter-type density } preCalcType --> edge-thickness-demo preCalcType --> focal-type preCalcType --> material-category preCalcType --> refractive-index preCalcType --> refractive-index-type preCalcType --> surface-type preCalcType --> phototrophic preCalcType --> diameter-type preCalcType --> density </pre> <p>edge-thickness-demo type xs:boolean Randdickenverlauf Bei consult default true</p> <p>focal-type type xs:integer 1 = Einstaerkglas 2 = Bifokalglas 3 = Trifokalglas 4 = Gleitsichtglas</p> <p>material-category type xs:integer 0 = Silikat 1 = Kunststoff</p> <p>refractive-index type xs:decimal</p> <p>refractive-index-type type xs:integer 1=1.501 2=1.5251 3=1.604 4=1.706 5=1.800 6=1.60 Kunst 7=1.664 8=1.8930 9=1.586 10=1.74 11=1.533</p> <p>surface-type type xs:integer 1=normales Glas 2=Clet Hypal, Hypal 3=frei 4=Ueberfang 5=Aphal 6=Einstaerken asphaerisch 7=Lupenglas 8=Arbeitsplatzbrille(RD+Busi 9=Individual</p> <p>phototrophic type xs:boolean</p> <p>diameter-type type xs:integer 0=zentriert 1=75/80 bis 55/60,60,55,50 4=80E bis 55E</p> <p>density type xs:float</p>
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	<pre> <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:sequence> </xs:complexType> </pre>

```

</xs:annotation>
</xs:element>
<xs:element name="focal-type" minOccurs="0">
<xs:annotation>
  <xs:documentation>1 = Einstaerkglas
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	<p>Randdickenverlauf Bei consult default true</p>
type	xs:boolean
annotation	<p>documentation Randdickenverlauf Bei consult default true</p>
source	<pre><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></pre>

element preCalcType/focal-type

diagram	<p>1 = Einstaerkenglas 2 = Bifokalglas 3 = Trifokalglas 4 = Gleitsichtglas</p>
type	restriction of xs:integer
facets	minInclusive 1 maxInclusive 4
annotation	<p>documentation 1 = Einstaerkenglas 2 = Bifokalglas 3 = Trifokalglas 4 = Gleitsichtglas</p>

source	<pre><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></pre>
--------	---

element preCalcType/material-category

diagram	<p>0 = Silikat 1 = Kunststoff</p>
type	restriction of xs:integer
facets	minInclusive 0 maxInclusive 1
annotation	<p>documentation 0 = Silikat 1 = Kunststoff</p>

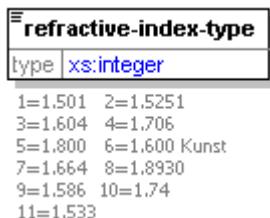
source	<pre><xs:element name="material-category" minOccurs="0"> <xs:annotation> <xs:documentation>0 = Silikat</pre>
--------	--

	<pre>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></pre>
--	---

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	<pre><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></pre>

element preCalcType/phototrophic

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

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	<pre><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></pre>

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	<pre> <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" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Hornhautscheitelabstand Korrektionsbrille</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

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

element frameSideType/frame-data

diagram	<p>The diagram illustrates the structure of the <code>frame-data</code> element. It is defined as a complex type (<code>frameDataType</code>). The structure includes:</p> <ul style="list-style-type: none"> id-number: type <code>xs:int</code> manufacturer: type <code>xs:string</code> box-length: type <code>xs:float</code> box-height: type <code>xs:float</code> shape: type <code>shapeType</code> model: type <code>xs:int</code> centration: type <code>centrationType</code> optima-flag: type <code>xs:boolean</code> (Note: neues optima-flag - nur vorübergehend optional, bis optima-flag aus lens entfernt ist, danach zwingend!) <p>A note indicates that the 'Normale' external order is a normal external order.</p>
type	frameDataType
children	id-number manufacturer box-length box-height shape model centration optima-flag
annotation	documentation 'Normale' externe Bestellung
source	<pre><xs:element name="frame-data" type="frameDataType"> <xs:annotation> <xs:documentation>'Normale' externe Bestellung</xs:documentation> </xs:annotation> </xs:element></pre>

element frameSideType/frame-source

diagram	<pre> classDiagram frameSourceType { id-number : xs:int source : type box-length : xs:float box-height : xs:float centration : centrationType optima-flag : xs:boolean } frame-source { <<type: frameSourceType>> <<documentation: Daten aus z.B. Scannerdatei lesen>> } frame-source "2" --> frameSourceType </pre>
type	frameSourceType
children	id-number source box-length box-height centration optima-flag
annotation	documentation Daten aus z.B. Scannerdatei lesen
source	<pre> <xs:element name="frame-source" type="frameSourceType"> <xs:annotation> <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation> </xs:annotation> </xs:element> </pre>

element frameSideType/frame-special

diagram	<pre> classDiagram frameSpecialType { box-length : type box-height : type centration : centrationType } frame-special { <<type: frameSpecialType>> <<documentation: Bestelldaten bei Indi ohne Optima>> } frame-special "2" --> frameSpecialType </pre>
type	frameSpecialType
children	box-length box-height centration
annotation	documentation Bestelldaten bei Indi ohne Optima
source	<pre> <xs:element name="frame-special" type="frameSpecialType"> <xs:annotation> <xs:documentation>Bestelldaten bei Indi ohne Optima</xs:documentation> </xs:annotation> </xs:element> </pre>

	</xs:element>
--	---------------

element frameSideType/holes

diagram	<pre> classDiagram holesType { reference-point : xs:int minimal-thickness : xs:float cartesian : xs:int polar : xs:int } holes : holesType holes --> holesType holesType <--> reference-point holesType <--> minimal-thickness holesType <--> cartesian holesType <--> polar </pre>
type	holesType
children	reference-point minimal-thickness cartesian polar
source	<xs:element name="holes" type="holesType" minOccurs="0"/>

element frameSideType/back-vertex-distance

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

complexType preCalcLensType

diagram	<pre> classDiagram class lensType { lens-code lens-id edi-code product-line diameter description refraction decentration modify-thickness-flag optima-flag options } class preCalcLensType { pre-calc } lensType < -- preCalcLensType </pre>
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	<pre><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></pre>

element preCalcLensType/pre-calc

diagram	<pre> classDiagram class pre-calc { <<preCalcType>> } pre-calc "1" --> "3..4" preCalcType preCalcType { edge-thickness-demo : xs:boolean focal-type : xs:integer material-category : xs:integer refractive-index : xs:decimal refractive-index-type : xs:integer surface-type : xs:integer phototropic : xs:boolean diameter-type : xs:integer density : xs:float } </pre>
type	preCalcType
children	edge-thickness-demo focal-type material-category refractive-index refractive-index-type surface-type phototropic diameter-type density
source	<xs:element name="pre-calc" type="preCalcType"/>

complexType **salesOrderLensPreProcessType**

diagram	<pre> classDiagram class salesOrderLensPreProcessType { position-number lens-sign blocker blocker-support correction-rx-surface semi-finished-produce-flag disabled-blanks radius disable-thickness-reduction-prism edging } salesOrderLensPreProcessType < --> ... </pre>
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	<pre> <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:sequence> </xs:complexType> </pre>

```

</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=Schnideauflage</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>

```

	<pre> </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> </pre>
--	--

element salesOrderLensPreProcessType/position-number

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

element salesOrderLensPreProcessType/lens-sign

diagram	
type	xs:string
annotation	documentation Lager, Schicht, Rezept, Lagerglas incl. hart
source	<pre> <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> </pre>

element salesOrderLensPreProcessType/blocker

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

element **salesOrderLensPreProcessType/blocker-support**

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

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

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

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

diagram	<pre> semi-finished-produce-flag type xs:boolean HF-Fertigung </pre>
type	restriction of xs:boolean
facets	pattern true
annotation	documentation HF-Fertigung
source	<pre> <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> </pre>

element salesOrderLensPreProcessType/disabled-blanks

diagram	<pre> classDiagram class disabled-blanks { type } class code { type xs:string } disabled-blanks "1..∞" --> code </pre> <p>Augenblicklich nicht vorhandene Vorfabrikate</p> <p>OPC oder aehnlicher Code</p>
children	code
annotation	documentation Augenblicklich nicht vorhandene Vorfabrikate
source	<pre> <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> </pre>

element salesOrderLensPreProcessType/disabled-blanks/code

diagram	<pre> classDiagram class code { type xs:string } </pre> <p>OPC oder aehnlicher Code</p>
type	restriction of xs:string
facets	length 40
annotation	documentation OPC oder aehnlicher Code
source	<pre> <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> </pre>

element salesOrderLensPreProcessType/radius

diagram	<pre> classDiagram class radius { type } class base-curve { type xs:float } class lab { type } radius "1..∞" --> base-curve base-curve "1..∞" --> lab </pre> <p>R1 bzw. R2-Vorgabe in Dpt oder mm</p> <p>Fertigungswerkstatt oder Systemtechnologie</p>
---------	---

children	base-curve lab
source	<pre> <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: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:element> <xs:element name="rx-radius-mer"> <xs:annotation> <xs:documentation>Normradius der Torusflaeche in mm</xs:documentation> </xs:annotation> </xs:element> <xs:element name="rx-radius-rot"> <xs:annotation> <xs:documentation>Normradius der Torusflaeche in mm</xs:documentation> </xs:annotation> </xs:element> </xs:choice> <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:extension base="xs:float"> <xs:attribute name="unit" use="optional"> <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: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:simpleContent> </xs:complexType> </xs:element> </xs:element> </pre>

	<pre> <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> </pre>
--	--

element salesOrderLensPreProcessType/radius/base-curve

diagram													
type	extension of xs:float												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>xs:string</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	unit	xs:string	required			
Name	Type	Use	Default	Fixed	Annotation								
unit	xs:string	required											
annotation	documentation R1 bwz. R2-Vorgabe in Dpt oder mm												
source	<pre> <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> </pre>												

element salesOrderLensPreProcessType/radius/lab

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

annotation	documentation Fertigungsswerkstatt oder Systemtechnologie documentation Fertigungsswerkstatt oder Systemtechnologie
source	<pre> <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></pre>

element salesOrderLensPreProcessType/radius/lab/base-curve

diagram	 <p>R1 bwz, R2-Vorgabe in Dpt oder mm</p>												
type	extension of xs:float												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>xs:string</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	unit	xs:string	required			
Name	Type	Use	Default	Fixed	Annotation								
unit	xs:string	required											
annotation	documentation R1 bwz. R2-Vorgabe in Dpt oder mm												

```

<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	 <p>Normradius der Torusflaeche in mm</p>												
type	extension of xs:float												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	unit	xs:string	optional			
Name	Type	Use	Default	Fixed	Annotation								
unit	xs:string	optional											
annotation	documentation Normradius der Torusflaeche in mm												

```

<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	<p>Normradius der Torusflaeche in mm</p>												
type	extension of xs:float												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	unit	xs:string	optional			
Name	Type	Use	Default	Fixed	Annotation								
unit	xs:string	optional											
annotation	documentation Normradius der Torusflaeche in mm												

element salesOrderLensPreProcessType/disable-thickness-reduction-prism

diagram	<p>false = Standard, also mit DR-Prisma true = Rechnung ohne DR-Prisma</p>
type	xs:boolean
annotation	documentation false = Standard, also mit DR-Prisma true = Rechnung ohne DR-Prisma
source	<pre><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></pre>

element salesOrderLensPreProcessType/edging

diagram	<p>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</p>				
type	restriction of xs:string				
facets	<table> <tr> <td>enumeration</td> <td>freeform</td> </tr> <tr> <td>enumeration</td> <td>thickness</td> </tr> </table>	enumeration	freeform	enumeration	thickness
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	<pre><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></pre>

complexType cylinderType

diagram	<pre> sequenceDiagram participant cylinderType participant power participant axis cylinderType -->> power: cylinderType -->> axis: activate cylinderType activate power activate axis deactivate cylinderType deactivate power deactivate axis </pre>
children	power axis
used by	element refractionType/cylinder
source	<pre><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></pre>

element cylinderType/power

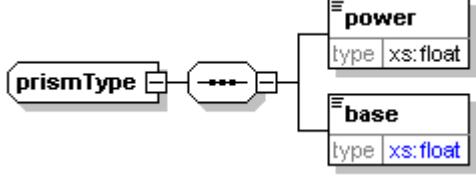
diagram	<pre> classDiagram participant power power : type xs:float </pre>
type	restriction of xs:float
facets	minInclusive -30 maxInclusive 30
source	<pre><xs:element name="power"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="-30"/> <xs:maxInclusive value="30"/> </xs:restriction>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

	<pre></xs:simpleType> </xs:element></pre>
--	---

element cylinderType/axis

diagram	
type	restriction of xs:integer
facets	minInclusive 0 maxInclusive 180
source	<pre><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></pre>

complexType prismType

diagram	
children	power base
used by	element refractionType/prism
source	<pre><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></pre>

element prismType/power

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

element prismType/base

diagram	
type	restriction of xs:float

facets	minInclusive 0.0 maxInclusive 360.0
source	<pre><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></pre>

complexType frameDataType

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

	<pre> <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> </pre>
--	---

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	<pre> graph LR shape[shape] --> boundary(()) subgraph boundary sourceType[source-type type xs:string] refPoint[reference-point type xs:int 1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz] startPoint[start-point type] point[point type] 17..oo style sourceType fill:#d3d3d3 style refPoint fill:#d3d3d3 style startPoint fill:#d3d3d3 style point fill:#d3d3d3 end </pre>
type	shapeType
children	source-type reference-point start-point point
source	<code><xs:element name="shape" type="shapeType"/></code>

element frameDataType/model

diagram	<pre> graph LR model[model type xs:int] </pre>
type	xs:int
source	<code><xs:element name="model" type="xs:int"/></code>

element frameDataType/centration

diagram	<pre> graph LR centration[centration type centrationType] --> boundary(()) subgraph boundary caseA[case-a type] caseB[case-b type] caseC[case-c type] y[y type xs:float] h[h type xs:float] end </pre>
type	centrationType

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

element frameDataTyp/optima-flag

diagram	<p>The diagram shows a rectangular box labeled "optima-flag" with a double-line border. Inside, it says "type xs:boolean". Below the box is a note: "neues optima-flag - nur vorübergehend optional, bis optima-flag aus lens entfernt ist, danach zwingend!"</p>												
type	extension of xs:boolean												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>edging</td> <td>xs:string</td> <td>optional</td> <td>freeform</td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	edging	xs:string	optional	freeform		
Name	Type	Use	Default	Fixed	Annotation								
edging	xs:string	optional	freeform										
annotation	documentation neues optima-flag - nur vorübergehend optional, bis optima-flag aus lens entfernt ist, danach zwingend!												
source	<pre><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></pre>												

complexType frameSourceType

diagram	<p>The diagram shows a complex type structure starting with "frameSourceType". It branches into "id-number", "source", "box-length", "box-height", "centration", and "optima-flag". "optima-flag" has a note: "neues optima-flag - nur vorübergehend optional, bis optima-flag aus lens entfernt ist, danach zwingend!"</p>
children	id-number source box-length box-height centration optima-flag

used by	element frameSideType/frame-source
source	<pre> <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> </pre>

element **frameSourceType/id-number**

diagram	<pre> classDiagram class id-number { type xs:int } </pre>
type	xs:int
source	<pre> <xs:element name="id-number" type="xs:int"/> </pre>

element frameSourceType/source

diagram	<pre> classDiagram class source { type } class reference-point { type xs:int "1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz" } class source-type { type xs:string "z.B. scann" } class source-location { type xs:string "z.B. Verzeichnis Scannerdatei" } source <--> reference-point source <--> source-type source <--> source-location </pre>
children	reference-point source-type source-location
source	<pre> <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> </pre>

element frameSourceType/source/reference-point

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

element frameSourceType/source/source-type

diagram	<pre> classDiagram class source-type { type xs:string "z.B. scann" } </pre>
type	xs:string

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

element frameSourceType/source/source-location

diagram	<pre>The diagram shows a UML-style class-like structure for 'source-location'. It has a title bar with 'source-location' and a compartment labeled 'type' containing 'xs:string'. Below the diagram is a note: 'z.B., Verzeichnis Scannerdatei'.</pre>
type	xs:string
annotation	documentation z.B. Verzeichnis Scannerdatei
source	<pre><xs:element name="source-location" type="xs:string"> <xs:annotation> <xs:documentation>z.B. Verzeichnis Scannerdatei</xs:documentation> </xs:annotation> </xs:element></pre>

element frameSourceType/box-length

diagram	<pre>The diagram shows a UML-style class-like structure for 'box-length'. It has a title bar with 'box-length' and a compartment labeled 'type' containing 'xs:float'. Below the diagram is a note: 'z.B., Verzeichnis Scannerdatei'.</pre>
type	xs:float
source	<pre><xs:element name="box-length" type="xs:float" minOccurs="0"/></pre>

element frameSourceType/box-height

diagram	<pre>The diagram shows a UML-style class-like structure for 'box-height'. It has a title bar with 'box-height' and a compartment labeled 'type' containing 'xs:float'. Below the diagram is a note: 'z.B., Verzeichnis Scannerdatei'.</pre>
type	xs:float
source	<pre><xs:element name="box-height" type="xs:float" minOccurs="0"/></pre>

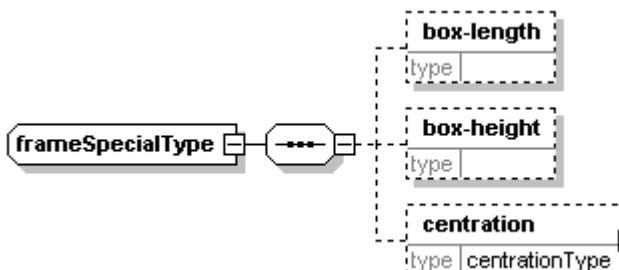
element frameSourceType/centration

diagram	<pre> classDiagram class centration { type centrationType } class case_a { type } class case_b { type } class case_c { type } class y { type xs:float } class h { type xs:float } centration "3" --> case_a : type centrationType centration "3" --> case_b : type centrationType centration "3" --> case_c : type centrationType centration "2" --> y : type xs:float centration "2" --> h : type xs:float </pre>
type	centrationType
children	case-a case-b case-c y h
source	<xs:element name="centration" type="centrationType" minOccurs="0"/>

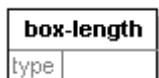
element frameSourceType/optima-flag

diagram	<pre> classDiagram class optima_flag { type xs:boolean } </pre>												
type	extension of xs:boolean												
attributes	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>edging</td> <td>xs:string</td> <td>optional</td> <td>freeform</td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	edging	xs:string	optional	freeform		
Name	Type	Use	Default	Fixed	Annotation								
edging	xs:string	optional	freeform										
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	<pre><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></pre>

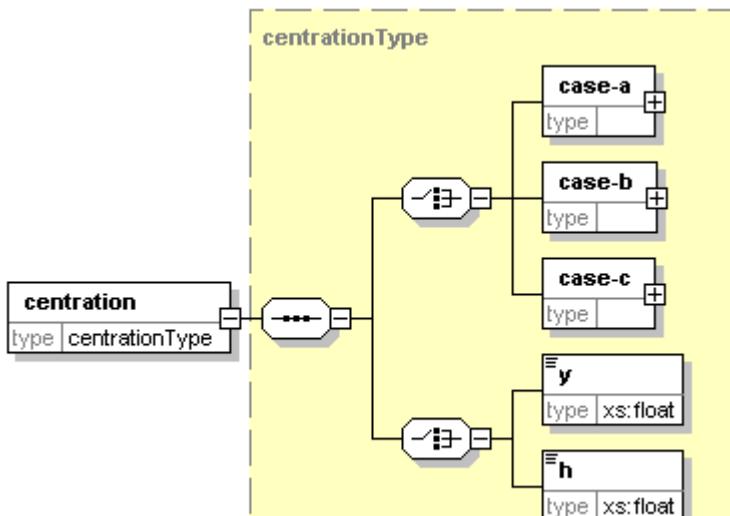
element frameSpecialType/box-length

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

element frameSpecialType/box-height

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

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	<pre> classDiagram holesType --> referencePoint : reference-point holesType --> minimalThickness : minimal-thickness holesType --> cartesian : cartesian holesType --> polar : polar referencePoint <--> annotation : annotation documentation: 1=bzgl.Boxmitte, 2=bzgl.Zentrierkreuz cartesian <--> multiplicity : 1..4 polar <--> multiplicity : 1..4 </pre>
children	reference-point minimal-thickness cartesian polar
used by	elements frameSideExtType/holes frameSideType/holes
source	<pre> <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> </pre>

element holesType/reference-point

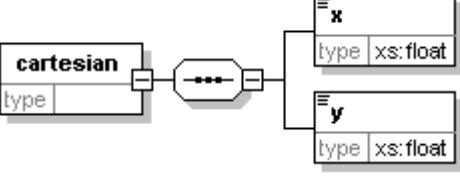
diagram	<pre> classDiagram referencePoint : reference-point referencePoint <--> annotation : annotation documentation: 1=bzgl.Boxmitte, 2=bzgl.Zentrierkreuz </pre>
type	xs:int

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

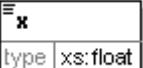
element holesType/minimal-thickness

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

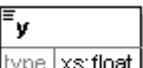
element holesType/cartesian

diagram	
children	x y
source	<pre><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></pre>

element holesType/cartesian/x

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

element holesType/cartesian/y

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

element holesType/polar

diagram	A UML sequence diagram showing a sequence of nodes. It starts with a node labeled "polar" with a "type" attribute. An arrow points from "polar" to a connector. From the connector, an arrow points to a node labeled "angle" with a "type" attribute. Another arrow points from "angle" to a connector. From the second connector, an arrow points to a node labeled "radius" with a "type" attribute.
children	angle radius
source	<pre><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></pre>

element holesType/polar/angle

diagram	A UML class diagram showing a single node labeled "angle". Below the node, there is a "type" attribute with the value "xs:float".
type	xs:float
source	<pre><xs:element name="angle" type="xs:float"/></pre>

element holesType/polar/radius

diagram	A UML class diagram showing a single node labeled "radius". Below the node, there is a "type" attribute with the value "xs:float".
type	xs:float
source	<pre><xs:element name="radius" type="xs:float"/></pre>

complexType centrationType

diagram	A UML sequence diagram showing a sequence of nodes. It starts with a node labeled "centrationType". An arrow points from "centrationType" to a connector. From the connector, two arrows branch out: one to a node labeled "case-a" with a "type" attribute, and another to a connector. From this second connector, two more arrows branch out: one to a node labeled "case-b" with a "type" attribute, and another to a connector. From this third connector, two more arrows branch out: one to a node labeled "case-c" with a "type" attribute, and another to a connector. Finally, from this fourth connector, two arrows branch out: one to a node labeled "y" with a "type" attribute, and another to a node labeled "h" with a "type" attribute.
children	case-a case-b case-c y h
used by	elements frameDataType/centration frameSourceType/centration frameSpecialType/centration
source	<pre><xs:complexType name="centrationType"></pre>

	<pre> <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> </pre>
--	--

element centrationType/case-a

diagram	<pre> classDiagram class case-a { <<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">> } </pre>
children	z distance-between-lenses
source	<pre> <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> </pre>

element centrationType/case-a/z

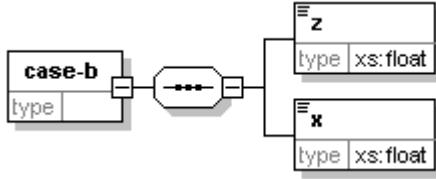
diagram	<pre> classDiagram class z { <<xs:element name="z">> <<xs:complexType>> <<xs:sequence>> <<xs:element type="xs:float">> } </pre>
type	xs:float
source	<pre> <xs:element name="z" type="xs:float"/> </pre>

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

diagram	<pre> classDiagram class distance-between-lenses { <<xs:element name="distance-between-lenses">> <<xs:complexType>> <<xs:sequence>> <<xs:element type="xs:float">> } </pre>
---------	---

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>

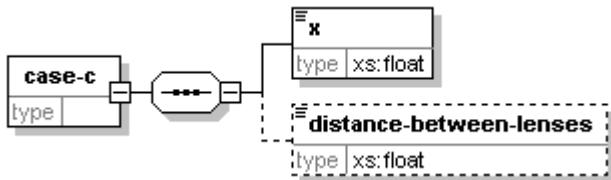
element **centrationType/case-b/z**

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**

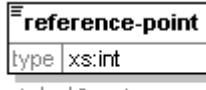
diagram	 The diagram shows the structure of the shapeType complex type. It includes a source-type element (xs:string) with a note 'z.B. scann, tracer,' and a reference-point element (xs:int) with notes '1=bgzl.Boxmitte' and '2=bgzl.Zentrierekreuz'. A start-point element (type) is shown with a note 'last-point = start-point = true'. A point element (type) is shown with a note '17..∞'. A sequence of three dashed ovals connects the source-type, reference-point, start-point, and point elements.
children	source-type reference-point start-point point

used by	element <u>frameDataType/shape</u>
source	<pre> <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:element> <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:sequence> <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> </pre>

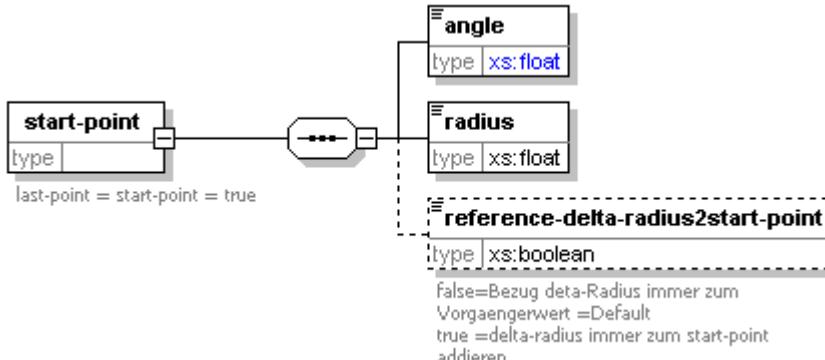
element shapeType/source-type

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

element shapeType/reference-point

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

element shapeType/start-point

diagram	 last-point = start-point = true												
children	angle radius reference-delta-radius2start-point												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>lastpoint</td> <td>xs:boolean</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	lastpoint	xs:boolean	required			
Name	Type	Use	Default	Fixed	Annotation								
lastpoint	xs:boolean	required											
annotation	documentation last-point = start-point = true												
source	<pre><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"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0.00"/> <xs:maxInclusive value="1000.00"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="reference-delta-radius2start-point"> <xs:simpleType> <xs:restriction base="xs:boolean"> <xs:minInclusive value="false"/> <xs:maxInclusive value="true"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>												

	<pre> </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> </pre>
--	---

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

diagram	
type	restriction of xs:float
facets	minInclusive 0.00 maxInclusive 360.00
source	<pre> <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> </pre>

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

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

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	<pre> <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> </pre>

	</xs:element>
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element shapeType/point

diagram	<pre> graph LR point["point
type xs:string"] --> sequence1(()) sequence1 --> angle["angle
type xs:float"] angle --> sequence2(()) sequence2 --> radius["radius
type xs:float"] sequence2 --> deltaRadius["delta-radius
type xs:float"] </pre>
children	angle radius delta-radius
source	<pre> <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> </pre>

element shapeType/point/angle

diagram					
type	restriction of xs:float				
facets	<table> <tr> <td>minInclusive</td> <td>0.00</td> </tr> <tr> <td>maxInclusive</td> <td>360.00</td> </tr> </table>	minInclusive	0.00	maxInclusive	360.00
minInclusive	0.00				
maxInclusive	360.00				
source	<pre> <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> </pre>				

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"/>

XML Schema documentation generated with [XML Spy](#) Schema Editor www.xmlspy.com