

Schema sales-order.xsd

schema location: <L:\Projects\XML-Order\rodenstock\sales-order.xsd>

Elements

[sales-order](#)

schema location: <L:\Projects\XML-Order\rodenstock\sales-orderType.xsd>

Complex types

[lens-sales-orderType](#)
[pre-processType](#)
[sales-orderType](#)

schema location: <L:\Projects\XML-Order\rodenstock\refractionType.xsd>

Complex types

[cylinderType](#)
[refractionType](#)

schema location: <L:\Projects\XML-Order\rodenstock\centrationType.xsd>

Complex types

[centrationType](#)

schema location: <L:\Projects\XML-Order\rodenstock\frame-dataType.xsd>

Complex types

[frame-dataType](#)

schema location: <L:\Projects\XML-Order\rodenstock\frame-sourceType.xsd>

Complex types

[frame-sourceType](#)

schema location: <L:\Projects\XML-Order\rodenstock\frame-specialType.xsd>

Complex types

[frame-specialType](#)

schema location: <L:\Projects\XML-Order\rodenstock\lensType.xsd>

Complex types
[lensType](#)

schema location: <L:\Projects\XML-Order\rodenstock\holesType.xsd>

Complex types
[holesType](#)

schema location: <L:\Projects\XML-Order\rodenstock\optionsType.xsd>

Complex types
[optionsType](#)

schema location: <L:\Projects\XML-Order\rodenstock\pre-calcType.xsd>

Complex types
[pre-calcType](#)

schema location: <L:\Projects\XML-Order\rodenstock\prismType.xsd>

Complex types
[prismType](#)

schema location: <L:\Projects\XML-Order\rodenstock\shapeType.xsd>

Complex types
[shapeType](#)

element **sales-order**

diagram	<pre> classDiagram class sales-order { <<Schema fuer die Kommunikation zwischen Bestellung/Auftrag und Rezeptrechenprogramm bei einer Glasfertigung>> } class customer { <<Kundenspezifische Daten>> } class quantity class general-pre-calc { <<Schema fuer die Kommunikation zwischen Bestellung/Auftrag und Rezeptrechenprogramm bei einer Glasfertigung>> } class pair class single class frame sales-order *--> customer sales-order *--> general-pre-calc general-pre-calc --> pair general-pre-calc --> single pair --> frame single --> frame </pre>
type	<u>sales-orderType</u>
children	<u>customer</u> <u>quantity</u> <u>general-pre-calc</u> <u>pair</u> <u>single</u> <u>frame</u>
annotation	documentation Schema fuer die Kommunikation zwischen Bestellung/Auftrag und Rezeptrechenprogramm bei einer Glasfertigung
source	<pre> <xsd:element name="sales-order" type="sales-orderType"> <xsd:annotation> <xsd:documentation>Schema fuer die Kommunikation zwischen Bestellung/Auftrag und Rezeptrechenprogramm bei einer Glasfertigung</xsd:documentation> </xsd:annotation> </xsd:element> </pre>

complexType lens-salesorderType

diagram	<pre> classDiagram class lensType { lens-id edi-code product-line diameter "Standard-Durchmesser" opt-diameter "Kleinstmöglicher opt. Durchmesser" description refraction decentration "0.2" modify-thickness-flag "Dickenänderung zulässig" optima-flag options pre-calc } class lens-sales-orderType { <--> lensType pre-process } lensType < -- lens-sales-orderType </pre>
type	extension of lensType
children	lens-id edi-code product-line diameter opt-diameter description refraction decentration modify-thickness-flag optima-flag options pre-calc pre-process
used by	elements sales-orderType/pair/left sales-orderType/single/left sales-orderType/pair/right sales-orderType/single/right
source	<pre> <xs:complexType name="lens-sales-orderType"> <xs:complexContent> <xs:extension base="lensType"> <xs:sequence> <xs:element name="pre-process" type="pre-processType" minOccurs="0"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

element **lens-sales-orderType/pre-process**

diagram	<pre> graph LR A[pre-process] --> B{...} B --- C[lens-sign] B --- D[blocker] B --- E[blocker-support] B --- F[correction-rx-surface] B --- G[semi-finished-produce-flag] B --- H[specified-semi-finished] B --- I[radius] </pre> <p>The diagram shows a sequence of elements. It starts with a 'pre-process' box, followed by a connector, and then a dashed box labeled 'pre-processType'. Inside this box are several sub-elements: 'lens-sign' (with description 'Lager, Schicht, Rezept, Lagerglas incl. hart'), 'blocker' (with description 'CNC - C54 - C42 - Y31'), 'blocker-support' (with description '0=3-Punktauflage Aalen 1=Schneideauflage'), 'correction-rx-surface' (with description 'Vorhalt Rezeptflaeche'), 'semi-finished-produce-flag' (with description 'HF-Fertigung'), 'specified-semi-finished' (with a plus sign icon), and 'radius' (with a plus sign icon).</p>
type	pre-processType
children	lens-sign blocker blocker-support correction-rx-surface semi-finished-produce-flag specified-semi-finished radius
source	<xs:element name="pre-process" type="pre-processType" minOccurs="0"/>

complexType **pre-processType**

diagram	<pre> graph LR A[pre-processType] --> B{...} B --- C[lens-sign] B --- D[blocker] B --- E[blocker-support] B --- F[correction-rx-surface] B --- G[semi-finished-produce-flag] B --- H[specified-semi-finished] B --- I[radius] </pre> <p>The diagram shows a sequence of elements. It starts with a 'pre-processType' box, followed by a connector, and then a dashed box labeled 'pre-processType'. Inside this box are several sub-elements: 'lens-sign' (with description 'Lager, Schicht, Rezept, Lagerglas incl. hart'), 'blocker' (with description 'CNC - C54 - C42 - Y31'), 'blocker-support' (with description '0=3-Punktauflage Aalen 1=Schneideauflage'), 'correction-rx-surface' (with description 'Vorhalt Rezeptflaeche'), 'semi-finished-produce-flag' (with description 'HF-Fertigung'), 'specified-semi-finished' (with a plus sign icon), and 'radius' (with a plus sign icon).</p>
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children	<u>lens-sign</u> <u>blocker</u> <u>blocker-support</u> <u>correction-rx-surface</u> <u>semi-finished-produce-flag</u> <u>specified-semi-finished-radius</u>
used by	element <u>lens -sales-orderType/pre-process</u>
source	<pre> <xs:complexType name="pre-processType"> <xs:sequence> <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=Schniedeauflage</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:element> <xs:simpleType> <xs:restriction base="xs:boolean"> <xs:pattern value="true"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="specified-semi-finished" minOccurs="0"> <xs:annotation> <xs:documentation>Vorgabe HF-Wahl</xs:documentation> </xs:annotation> </xs:element> <xs:complexType> <xs:sequence> <xs:element name="diameter" type="xs:integer"> <xs:annotation> <xs:documentation>IST-Durchmesser</xs:documentation> </xs:annotation> </xs:element> <xs:element name="centre-thickness" type="xs:float"/> <xs:element name="front-curve"> <xs:annotation> <xs:documentation>R1 des Blanks</xs:documentation> </xs:annotation> </xs:element> <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:enumeration value="dioptre"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:sequence> </xs:complexType> <xs:element name="back-curve"> <xs:annotation> <xs:documentation>R2 des Halbfabrikates</xs:documentation> </xs:annotation> </xs:element> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:float"> <xs:attribute name="unit" use="optional"> </pre>

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</xs:simpleType>
</xs:attribute>
</xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>
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  </xs:annotation>
</xs:element>
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</xs:element>
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        </xs:annotation>
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<xs:simpleContent>
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<xs:attribute name="unit" use="optional">
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:enumeration value="mm"/>
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</xs:choice>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>

```

element pre-processType/lens-sign

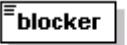
diagram	 lens-sign
	Lager, Schicht, Rezept, Lagerglas incl. hart
type	xs:string
annotation	documentation Lager, Schicht, Rezept, Lagerglas incl. hart

```

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

```

element pre-processType/blocker

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

```

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

```

element pre-processType/blocker-support

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

element pre-processType/correction-rx-surface

diagram	
	Vorhalt Rezeptflaeche
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 pre-processType/semi-finished-produce-flag

diagram	
	HF-Fertigung
type	restriction of xs:boolean
facets	pattern true
annotation	documentation HF-Fertigung
source	<pre><xs:element name="semi-finished-produceflag" 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 **pre-processType/specified-semi-finished**

diagram	<pre> classDiagram class specified-semi-finished { <<Vorgabe HF-Wahl>> } class diameter { <<IST-Durchmesser>> } class centreThickness { } class frontCurve { <<R1 des Blanks>> } class backCurve { <<R2 des Halbfabrikates>> } class blankType { <<Blank-Type bzw. Hersteller>> } specified-semi-finished < -- diameter specified-semi-finished < -- centreThickness specified-semi-finished < -- frontCurve specified-semi-finished < -- backCurve specified-semi-finished < -- blankType </pre>
children	diameter centre-thickness front-curve back-curve blank-type
annotation	documentation Vorgabe HF-Wahl
source	<pre> <xs:element name="specified-semi-finished" minOccurs="0"> <xs:annotation> <xs:documentation>Vorgabe HF-Wahl</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="diameter" type="xs:integer"> <xs:annotation> <xs:documentation>IST- Durchmesser</xs:documentation> </xs:annotation> </xs:element> <xs:element name="centre-thickness" type="xs:float"/> <xs:element name="front-curve"> <xs:annotation> <xs:documentation>R1 des Blanks</xs:documentation> </xs:annotation> </xs:element> <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:enumeration value="dioptr"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> <xs:element name="back-curve"> <xs:annotation> <xs:documentation>R2 des Halbfabrikates</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 name="blank-type" type="xs:string"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:annotation> <xs:documentation>Blank-Type bzw. Hersteller</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element pre-processType/specified-semi-finished/diameter

diagram	 IST-Durchmesser
type	xs:integer
annotation	documentation IST-Durchmesser
source	<pre> <xs:element name="diameter" type="xs:integer"> <xs:annotation> <xs:documentation>IST-Durchmesser</xs:documentation> </xs:annotation> </xs:element> </pre>

element pre-processType/specified-semi-finished/centre-thickness

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

element pre-processType/specified-semi-finished/front-curve

diagram	 R1 des Blanks												
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 R1 des Blanks												
source	<pre> <xs:element name="front-curve"> <xs:annotation> <xs:documentation>R1 des Blanks</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:enumeration value="dioptric"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>												

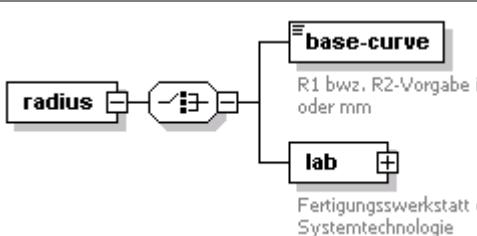
element pre-processType/specified-semi-finished/back-curve

diagram	
type	extension of xs:float
attributes	Name unit Type xs:string Use optional Default Fixed Annotation
annotation	documentation R2 des Halbfabrikates
source	<pre><xs:element name="back-curve"> <xs:annotation> <xs:documentation>R2 des Halbfabrikates</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></pre>

element pre-processType/specified-semi-finished/blank-type

diagram	
type	xs:string
annotation	documentation Blank-Type bzw. Hersteller
source	<pre><xs:element name="blank-type" type="xs:string"> <xs:annotation> <xs:documentation>Blank-Type bzw. Hersteller</xs:documentation> </xs:annotation> </xs:element></pre>

element pre-processType/radius

diagram	
children	<u>base-curve</u> <u>lab</u>
source	<pre><xs:element name="radius" minOccurs="0"> <xs:complexType> <xs:choice> <xs:element name="base-curve"> <xs:annotation> <xs:documentation>R1 bzw. R2-Vorgabe in Dpt oder mm</xs:documentation> </xs:annotation> </xs:element> </xs:choice> </xs:complexType> </xs:element></pre>

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```

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

element pre-processType/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 bzw. R2-Vorgabe in Dpt oder mm												
source	<pre><xs:element name="base-curve"> <xs:annotation> <xs:documentation>R1 bzw. 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 pre-processType/radius/lab

diagram					
children	<u>base-curve</u> <u>rx-radius-mer</u> <u>rx-radius-rot</u>				
annotation	<table> <tbody> <tr> <td>documentation</td> <td>Fertigungsswerkstatt oder Systemtechnologie</td> </tr> <tr> <td>documentation</td> <td>Fertigungsswerkstatt oder Systemtechnologie</td> </tr> </tbody> </table>	documentation	Fertigungsswerkstatt oder Systemtechnologie	documentation	Fertigungsswerkstatt oder Systemtechnologie
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 bzw. R2-Vorgabe in Dpt oder mm</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:float"></pre>				

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element pre-processType/radius/lab/base -curve

diagram	
	R1 bwz. R2-Vorgabe in Dpt oder mm
type	extension of xs:float
attributes	Name unit Type xs:string Use required Default Fixed Annotation
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"> </pre>

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element pre-processType/radius/lab/rx-radius-mer

diagram	<p>rx-radius-mer</p> <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												
source	<pre> <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> </pre>												

element pre-processType/radius/lab/rx-radius-rot

diagram	<p>rx-radius-rot</p> <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												
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complexType sales-orderType

	<p>diagram</p> <pre> graph LR salesOrderType[sales-orderType] --- customer[customer] salesOrderType --- quantity[quantity] quantity --- generalPreCalc[general-pre-calc] generalPreCalc --- pair[pair] generalPreCalc --- single[single] generalPreCalc --- frame[frame] </pre>
children	customer quantity general-pre-calc pair single frame
used by	element sales-order
source	<pre> <xs:complexType name="sales-orderType"> <xs:sequence> <xs:element name="customer"> <xs:annotation> <xs:documentation>Kundenspezifische Daten</xs:documentation> </xs:annotation> </xs:element> <xs:element name="quantity"> <xs:annotation> <xs:documentation>Kundennummer</xs:documentation> </xs:annotation> </xs:element> <xs:element name="general-pre-calc"> <xs:annotation> <xs:documentation>System, mit dem der Auftrag erzeugt wurde</xs:documentation> </xs:annotation> </xs:element> <xs:element name="pair"> <xs:annotation> <xs:documentation>Eindeutige Identifikation auf Customerseite (laufende Nummer der Übertragung)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="single"> <xs:annotation> <xs:documentation>Verschlüsselungscode</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame"> <xs:annotation> <xs:documentation>Modul und Exponent</xs:documentation> </xs:annotation> </xs:element> <xs:element name="key" minOccurs="0"> <xs:annotation> <xs:documentation>Kurzschlüssel ISO Code 2stellig</xs:documentation> </xs:annotation> </xs:element> <xs:element name="modulus" type="xs:string"> <xs:annotation> <xs:documentation>Modul</xs:documentation> </xs:annotation> </xs:element> <xs:element name="exponent" type="xs:string"> <xs:annotation> <xs:documentation>Exponent</xs:documentation> </xs:annotation> </xs:element> <xs:element name="country" type="xs:string"> <xs:annotation> <xs:documentation>ISO Code 2stellig</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:sequence> </xs:complexType> </pre>

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element **sales-orderType/customer**

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children	customer-id order-generator order-id key country lab-id commission delivery-date notes internal
annotation	documentation Kundenspezifische Daten
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<xs:element name="street" type="xs:string" minOccurs="0"/>
<xs:element name="town" type="xs:string" minOccurs="0"/>
<xs:element name="phone-number" type="xs:string" minOccurs="0"/>
<xs:element name="fax-number" type="xs:string" minOccurs="0"/>
<xs:element name="email" type="xs:string" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="delivery-typ" type="xs:string" minOccurs="0">
<xs:annotation>
<xs:documentation>Versandbedingungen</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="courier-id" type="xs:string" minOccurs="0">
<xs:annotation>

```

```

<xs:documentation>Botendienstnummer</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="additional-order-id" type="xs:string" minOccurs="0">
<xs:annotation>
<xs:documentation>z.B. Optiswiss, IPRO</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="barcode" type="xs:string" minOccurs="0">
<xs:annotation>
<xs:documentation>Kunden-Barcode</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="internal-receipt-id" type="xs:string" minOccurs="0">
<xs:annotation>
<xs:documentation>interne PC-Rezept- rechnungsnummer</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="order-entry" minOccurs="0">
<xs:complexType>
<xs:sequence>
<xs:element name="order-typ" type="xs:string" minOccurs="0">
<xs:annotation>
<xs:documentation>1=DFUE,2=TFAX,usw </xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="arrangement" type="xs:string" minOccurs="0">
<xs:annotation>
<xs:documentation>1=Neuanlage, 2=Aenderung, 3=Loeschung</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="complaint" type="xs:string" minOccurs="0">
<xs:annotation>
<xs:documentation>Reklamation</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="model-lens" type="xs:string" minOccurs="0">
<xs:annotation>
<xs:documentation>Musterglas</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="terminal" type="xs:string" minOccurs="0"/>
<xs:element name="time" type="xs:string" minOccurs="0"/>
<xs:element name="date" type="xs:string" minOccurs="0"/>
<xs:element name="duration-of-delivery" type="xs:string" minOccurs="0">
<xs:annotation>
<xs:documentation>Lieferzeit</xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

```

element sales-orderType/customer/customer-id

diagram	 <p>Kundennummer</p>
type	restriction of xs:string
facets	minLength 10 maxLength 20
annotation	documentation Kundennummer
source	<pre> <xs:element name="customer-id"> <xs:annotation> <xs:documentation>Kundennummer</xs:documentation> </xs:annotation> </pre>

	<pre> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="10"/> <xs:maxLength value="20"/> </xs:restriction> </xs:simpleType> </pre>
--	---

element sales-orderType/customer/order-generator

diagram	<p>The diagram shows a rectangular box labeled "order-generator". Below the box is a short descriptive text: "System, mit dem der Auftrag erzeugt wurde".</p>
type	xs:string
annotation	documentation System, mit dem der Auftrag erzeugt wurde

```

<xs:element name="order-generator" type="xs:string" minOccurs="0">
  <xs:annotation>
    <xs:documentation>System, mit dem der Auftrag erzeugt wurde </xs:documentation>
  </xs:annotation>
</xs:element>

```

element sales-orderType/customer/order-id

diagram	<p>The diagram shows a rectangular box labeled "order-id". Below the box is a short descriptive text: "Eindeutige Identifikation auf Customerseite (laufende Nummer der Übertragung)".</p>
type	xs:string
annotation	documentation Eindeutige Identifikation auf Customerseite (laufende Nummer der Übertragung)

```

<xs:element name="order-id" type="xs:string">
  <xs:annotation>
    <xs:documentation>Eindeutige Identifikation auf Customerseite (laufende Nummer der
Übertragung)</xs:documentation>
  </xs:annotation>
</xs:element>

```

element sales-orderType/customer/key

diagram	<p>The diagram shows a sequence of three elements: "key", "modulus", and "exponent". The "key" element is connected to a central connector, which is then connected to both the "modulus" and "exponent" elements. Below the sequence is the text "Verschlüsselungscode".</p>
children	<u>modulus</u> <u>exponent</u>
annotation	documentation Verschlüsselungscode
source	<pre> <xs:element name="key" minOccurs="0"> <xs:annotation> <xs:documentation>Verschlüsselungscode</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="modulus" type="xs:string"/> <xs:element name="exponent" type="xs:string"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **sales-orderType/customer/key/modulus**

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

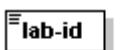
element **sales-orderType/customer/key/exponent**

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

element **sales-orderType/customer/country**

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

element **sales-orderType/customer/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	<xs:element name="lab-id" minOccurs="0"> <xs:annotation> <xs:documentation>SAP-VWERK-Eintr. z.B. 1001 Aalen default</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="internal-id" use="optional"> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element>
--------	--

element sales-orderType/customer/commission

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

element sales-orderType/customer/delivery-date

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

element sales-orderType/customer/notes

diagram	 Bemerkung zum Einzelauftrag
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 **sales-orderType/customer/internal**

diagram	<pre> classDiagram class internal { name address delivery-typ "Versandbedingungen" courier-id "Botendienstnummer" additional-order-id "z.B. Optiswiss, IPRO" barcode "Kunden-Barcode" internal-receipt-id "interne PC-Rezept-rechnungsnummer" order-entry } </pre>
children	name address delivery-typ courier-id additional-order-id barcode internal-receipt-id order-entry
source	<pre> <xs:element name="internal" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="name" type="xs:string" minOccurs="0"/> <xs:element name="address" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="street" type="xs:string" minOccurs="0"/> <xs:element name="town" type="xs:string" minOccurs="0"/> <xs:element name="phone-number" type="xs:string" minOccurs="0"/> <xs:element name="fax-number" type="xs:string" minOccurs="0"/> <xs:element name="email" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="delivery-typ" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Versandbedingungen</xs:documentation> </xs:annotation> </xs:element> <xs:element name="courier-id" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Botendienstnummer</xs:documentation> </xs:annotation> </xs:element> <xs:element name="additional-order-id" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>z.B. Optiswiss, IPRO</xs:documentation> </xs:annotation> </xs:element> <xs:element name="barcode" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Kunden-Barcode</xs:documentation> </xs:annotation> </xs:element> <xs:element name="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> </xs:element> </pre>

```

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

```

element sales-orderType/customer/internal/name

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

element sales-orderType/customer/internal/address

diagram	
children	street town phone-number fax-number email
source	<xs:element name="address" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="street" type="xs:string" minOccurs="0"/> <xs:element name="town" type="xs:string" minOccurs="0"/> <xs:element name="phone-number" type="xs:string" minOccurs="0"/> <xs:element name="fax-number" type="xs:string" minOccurs="0"/> <xs:element name="email" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

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

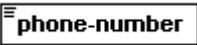
element **sales-orderType/customer/internal/address/street**

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

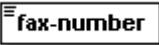
element **sales-orderType/customer/internal/address/town**

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

element **sales-orderType/customer/internal/address/phone-number**

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

element **sales-orderType/customer/internal/address/fax-number**

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

element **sales-orderType/customer/internal/address/email**

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

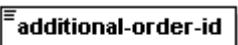
element **sales-orderType/customer/internal/delivery-typ**

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

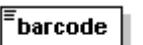
element sales-orderType/customer/internal/courier-id

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 sales-orderType/customer/internal/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 sales-orderType/customer/internal/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 sales-orderType/customer/internal/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> <xs:documentation>interne PC-Rezept- rechnungsnummer</xs:documentation> </xs:annotation> </xs:element></pre>

element **sales-orderType/customer/internal/order-entry**

diagram	<pre> classDiagram class order-entry { order-typ arrangement complaint model-lens terminal time date duration-of-delivery } order-entry "1" -- "0..1" order-typ order-entry "1" -- "0..1" arrangement order-entry "1" -- "0..1" complaint order-entry "1" -- "0..1" model-lens order-entry "1" -- "0..1" terminal order-entry "1" -- "0..1" time order-entry "1" -- "0..1" date order-entry "1" -- "0..1" duration-of-delivery </pre> <p>order-typ 1=DFUE,2=TFAX,usw</p> <p>arrangement 1=Neuanlage, 2=Aenderung, 3=Loeschung</p> <p>complaint Reklamation</p> <p>model-lens Musterglas</p> <p>terminal</p> <p>time</p> <p>date</p> <p>duration-of-delivery Lieferzeit</p>
children	order-typ arrangement complaint model-lens terminal time date duration-of-delivery
source	<pre> <xs:element name="order-entry" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="order-typ" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>1=DFUE,2=TFAX,usw </xs:documentation> </xs:annotation> </xs:element> <xs:element name="arrangement" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>1=Neuanlage, 2=Aenderung, 3=Loeschung</xs:documentation> </xs:annotation> </xs:element> <xs:element name="complaint" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Reklamation</xs:documentation> </xs:annotation> </xs:element> <xs:element name="model-lens" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Musterglas</xs:documentation> </xs:annotation> </xs:element> <xs:element name="terminal" type="xs:string" minOccurs="0"/> <xs:element name="time" type="xs:string" minOccurs="0"/> <xs:element name="date" type="xs:string" minOccurs="0"/> <xs:element name="duration-of-delivery" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Lieferzeit</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **sales-orderType/customer/internal/order-entry/order-typ**

diagram	 1=DFUE,2=TFAX,usw
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 **sales-orderType/customer/internal/order-entry/arrangement**

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

element **sales-orderType/customer/internal/order-entry/complaint**

diagram	 Reklamation
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 **sales-orderType/customer/internal/order-entry/model-lens**

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

element sales-orderType/customer/internal/order-entry/terminal

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

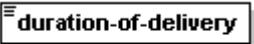
element sales-orderType/customer/internal/order-entry/time

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

element sales-orderType/customer/internal/order-entry/date

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

element sales-orderType/customer/internal/order-entry/duration-of-delivery

diagram	 Lieferzeit
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>

element sales-orderType/quantity

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

element sales-orderType/general-pre-calc

diagram	<p>generate-process-data</p> <p>0=saemtliche Fertigungsdaten fuer Produktion, auch System- technik 1=teilweise (alle Formulardaten) 2=keine (Beratung Standard bei consult)</p> <p>control-level</p> <p>0=Kontrolle 1=keine Kontrolle 2=teilweise</p> <p>order-sign</p> <p>Auftragskennzeichen Rezept / Schicht / Lager</p>
children	generate-process-data control-level order-sign
source	<pre><xs:element name="general-pre-calc" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="generate-process-data" type="xs:integer" minOccurs="0"> <xs:annotation> <xs:documentation>0=saemtliche Fertigungsdaten fuer Produktion, auch System- technik 1=teilweise (alle Formulardaten) 2=keine (Beratung Standard bei consult)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="control-level" minOccurs="0"> <xs:annotation> <xs:documentation>0=Kontrolle 1=keine Kontrolle 2=teilweise</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0"/> <xs:maxInclusive value="1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="order-sign" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Auftragskennzeichen Rezept / Schicht / Lager</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

element sales-orderType/general-pre-calc/generate-process-data

diagram	<p>generate-process-data</p> <p>0=saemtliche Fertigungsdaten fuer Produktion, auch System- technik 1=teilweise (alle Formulardaten) 2=keine (Beratung Standard bei consult)</p>
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"></pre>

	<pre> <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 sales-orderType/general-pre-calc/control-level

diagram	<p>The diagram shows a rectangular box labeled "control-level". Below it is a legend with three entries: "0=Kontrolle", "1=keine Kontrolle", and "2=teilweise".</p>
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> </xs:element></pre>

element sales-orderType/general-pre-calc/order-sign

diagram	<p>The diagram shows a rectangular box labeled "order-sign". Below it is a legend with two entries: "Auftragskennzeichen" and "Rezept / Schicht / Lager".</p>
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 sales-orderType/pair

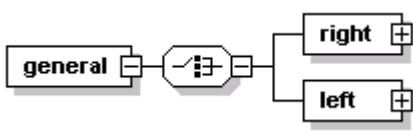
diagram	<p>The diagram shows a sequence of elements: "pair" (represented by a rectangle with a connector), followed by a sequence of three elements ("general", "right", and "left") connected by dashed lines. The "general" element is enclosed in a dashed box.</p>
children	general right left
source	<pre> <xs:element name="pair"> <xs:complexType> <xs:sequence> <xs:element name="general" minOccurs="0"> <xs:complexType> <xs:choice></pre>

```

<xs:element name="right">
<xs:complexType>
<xs:choice minOccurs="0">
<xs:element name="balancing-lens">
<xs:annotation>
<xs:documentation>Ausgleichsglas</xs:documentation>
</xs:annotation>
<xs:complexType>
<xs:simpleContent>
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</xs:simpleContent>
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<xs:annotation>
<xs:documentation>Scheinglas</xs:documentation>
</xs:annotation>
<xs:complexType>
<xs:simpleContent>
<xs:extension base="xs:boolean"/>
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</xs:choice>
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<xs:element name="left">
<xs:complexType>
<xs:choice minOccurs="0">
<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>
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<xs:annotation>
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</xs:annotation>
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</xs:choice>
</xs:complexType>
</xs:element>
<xs:element name="right" type="lens-sales-orderType"/>
<xs:element name="left" type="lens-sales-orderType"/>
</xs:sequence>
</xs:complexType>
</xs:element>

```

element sales-orderType/pair/general

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

```

<xs:complexType>
  <xs:choice minOccurs="0">
    <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>
</xs:element>
<xs:element name="left">
  <xs:complexType>
    <xs:choice minOccurs="0">
      <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>
</xs:element>
</xs:choice>
</xs:complexType>
</xs:element>

```

element sales-orderType/pair/general/right

diagram	<pre> classDiagram class right class balancingLens { <<Ausgleichsglas>> } class virtualLens { <<Scheinglas>> } right --> balancingLens right --> virtualLens </pre>
children	balancing-lens virtual-lens
source	<pre> <xs:element name="right"> <xs:complexType> <xs:choice minOccurs="0"> <xs:element name="balancing-lens"> <xs:annotation> <xs:documentation>Ausgleichsglas</xs:documentation> </xs:annotation> </xs:element> <xs:element name="virtual-lens"> <xs:annotation> <xs:documentation>Scheinglas</xs:documentation> </xs:annotation> </xs:element> </xs:choice> </xs:complexType> </xs:element> </pre>

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

element sales-orderType/pair/general/right/balancing-lens

diagram	
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 sales-orderType/pair/general/right/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>

element sales-orderType/pair/general/left

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

children	balancing-lens virtual-lens
source	<pre><xs:element name="left"> <xs:complexType> <xs:choice minOccurs="0"> <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> </xs:element></pre>

element **sales-orderType/pair/general/left/balancing-lens**

diagram	
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 **sales-orderType/pair/general/left/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>

element **sales-orderType/pair/right**

diagram	<pre> graph TD A[lens-sales-orderType] --- B[lens-id] A --- C[edi-code] A --- D[product-line] A --- E[diameter] A --- F[opt-diameter] A --- G[description] A --- H[refraction] A --- I[decentration] A --- J[modify-thickness-flag] A --- K[optima-flag] A --- L[options] A --- M[pre-calc] A --- N[pre-process] B --- O[right] </pre>
type	lens-sales-orderType
children	lens-id edi-code product-line diameter opt-diameter description refraction decentration modify-thickness-flag optima-flag options pre-calc pre-process
source	<code><xs:element name="right" type="lens-sales-orderType"/></code>

element **sales-orderType/pair/left**

diagram	<pre> classDiagram class lens-sales-orderType { lens-id edi-code product-line diameter "Standard-Durchmesser" opt-diameter "Kleinstmöglicher opt. Durchmesser" description refraction decentration "0.2" modify-thickness-flag "Dickenänderung zulässig" optima-flag options pre-calc pre-process } left --> lens-id left --> product-line opt-diameter -.-> decentration pre-process --> decentration </pre>
type	lens-sales-orderType
children	lens-id edi-code product-line diameter opt-diameter description refraction decentration modify-thickness-flag optima-flag options pre-calc pre-process
source	<xs:element name="left" type="lens-sales-orderType"/>

element **sales-orderType/single**

diagram	<pre> classDiagram class single { right left } single <--> choice choice --> right choice --> left </pre>
children	right left
source	<pre> <xs:element name="single"> <xs:complexType> <xs:choice> <xs:element name="right"> <xs:complexType> <xs:complexContent> <xs:extension base="lens-sales-orderType"/> </xs:complexContent> </xs:complexType> </xs:element> </xs:choice> </xs:complexType> </xs:element> </pre>

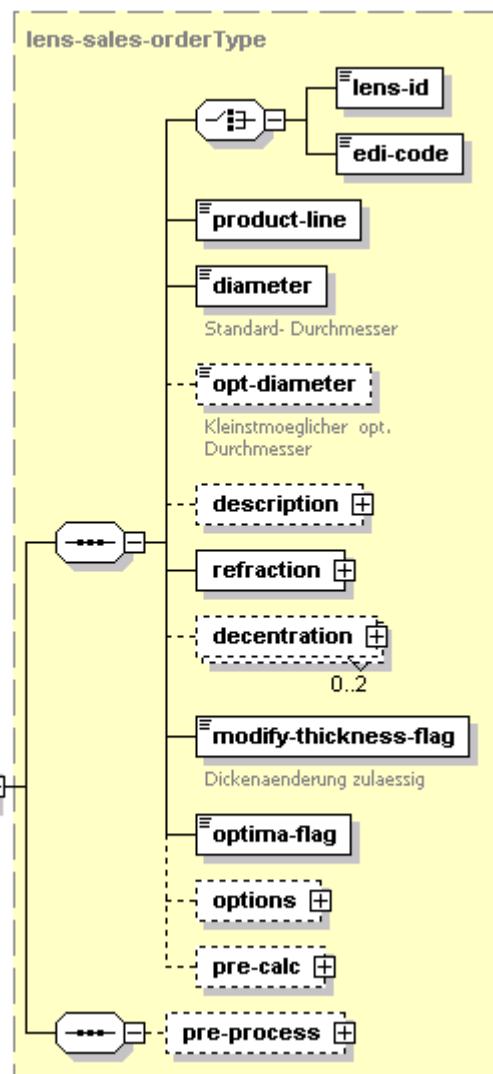
```

</xs:element>
<xs:element name="left">
<xs:complexType>
<xs:complexContent>
<xs:extension base="lens-sales-orderType"/>
</xs:complexContent>
</xs:complexType>
</xs:element>
</xs:choice>
</xs:complexType>
</xs:element>

```

element **sales-orderType/single/right**

diagram



type

extension of [lens-sales-orderType](#)

children

[lens-id](#) [edi-code](#) [product-line](#) [diameter](#) [opt-diameter](#) [description](#) [refraction](#) [decentration](#) [modify-thickness-flag](#) [optima-flag](#) [options](#) [pre-calc](#) [pre-process](#)

source

```

<xs:element name="right">
<xs:complexType>
<xs:complexContent>
<xs:extension base="lens-sales-orderType"/>
</xs:complexContent>
</xs:complexType>
</xs:element>

```

element **sales-orderType/single/left**

diagram	<pre> classDiagram class lens-sales-orderType { <> lens-id <> edi-code <> product-line <> diameter <> opt-diameter <> description <> refraction <> decentration <> modify-thickness-flag <> optima-flag <> options <> pre-calc <> pre-process } class left { <> lens-sales-orderType } left < -- lens-sales-orderType </pre>
type	extension of lens-sales-orderType
children	lens-id edi-code product-line diameter opt-diameter description refraction decentration modify-thickness-flag optima-flag options pre-calc pre-process
source	<pre> <xsd:element name="left"> <xsd:complexType> <xsd:complexContent> <xsd:extension base="lens-sales-orderType"/> </xsd:complexContent> </xsd:complexType> </xsd:element> </pre>

element **sales-orderType/frame**

diagram	<pre> graph LR frame --> material material --> pair material --> single pair --- frame_group[] single --- frame_group frame_group --- pantoscopic_angle[pantoscopic-angle] frame_group --- frame_bow_angle[frame-bow-angle] frame_group --- remote_edging[remote-edging] </pre>
children	material pair single pantoscopic-angle frame-bow-angle remote-edging
source	<pre> <xs:element name="frame" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="material" minOccurs="0"> <xs:annotation> <xs:documentation>Fassungsmaterial 1=Metall;2=Kunststoff;3=Randlos;4=Nylor;5=Anderes </xs:documentation> </xs:annotation> <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"> <xs:complexType> <xs:sequence> <xs:choice minOccurs="0"> <xs:element name="frame-data" type="frame-dataType"> <xs:annotation> <xs:documentation>'Normale' externe Bestellung</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-source" type="frame-sourceType"> <xs:annotation> <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-special" type="frame-specialType"> <xs:annotation> <xs:documentation>Bestelldaten bei Indi ohne Optima </xs:documentation> </xs:annotation> </xs:element> </xs:choice> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <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:choice> </xs:sequence> </xs:complexType> </xs:element> </pre>

```

</xs:complexType>
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</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="left">
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<xs:sequence>
<xs:choice minOccurs="0">
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<xs:element name="back-vertex-distance" minOccurs="0">
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</xs:annotation>
<xs:complexType>
<xs:simpleContent>
<xs:extension base="xs:float"/>
<xs:simpleContent>
</xs:complexType>
</xs:element>
</xs:sequence>

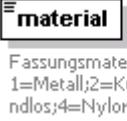
```

```

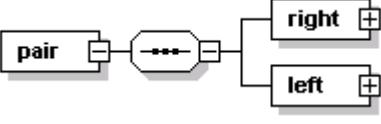
</xs:complexType>
</xs:element>
<xs:element name="left">
<xs:complexType>
<xs:sequence>
<xs:choice minOccurs="0">
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<xs:annotation>
<xs:documentation>'Normale' externe Bestellung</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="frame-source" type="frame-sourceType">
<xs:annotation>
<xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation>
</xs:annotation>
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</xs:element>
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<xs:element name="holes" type="holesType" minOccurs="0"/>
<xs:element name="back-vertex -distance" minOccurs="0">
<xs:annotation>
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<xs:documentation>Fassungsscheibenwinkel</xs:documentation>
</xs:annotation>
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<xs:element name="size-correction" minOccurs="0"/>
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</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

```

element **sales-orderType/frame/material**

diagram	
type	restriction of xs:int
facets	minInclusive 1 maxInclusive 5
annotation	documentation Fassungsmaterial 1=Metall;2=Kunststoff;3=Randlos;4=Nylor;5Anderes
source	<pre><xs:element name="material" minOccurs="0"> <xs:annotation> <xs:documentation>Fassungsmaterial 1=Metall;2=Kunststoff;3=Randlos;4=Nylor;5Anderes </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> <xs:maxInclusive value="5"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element sales-orderType/frame/pair

diagram	
children	<u>right</u> <u>left</u>
source	<pre><xs:element name="pair"> <xs:complexType> <xs:sequence> <xs:element name="right"> <xs:complexType> <xs:sequence> <xs:choice minOccurs="0"> <xs:element name="frame-data" type="frame-dataType"> <xs:annotation> <xs:documentation>'Normale' externe Bestellung</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-source" type="frame-sourceType"> <xs:annotation> <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-special" type="frame-specialType"> <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:element> </xs:sequence> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:float"/> </xs:simpleContent> </xs:complexType> </xs:element> <xs:sequence> </xs:complexType> </xs:element> <xs:element name="left"> <xs:complexType> <xs:sequence> </xs:complexType> </xs:element> <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:element> </pre>

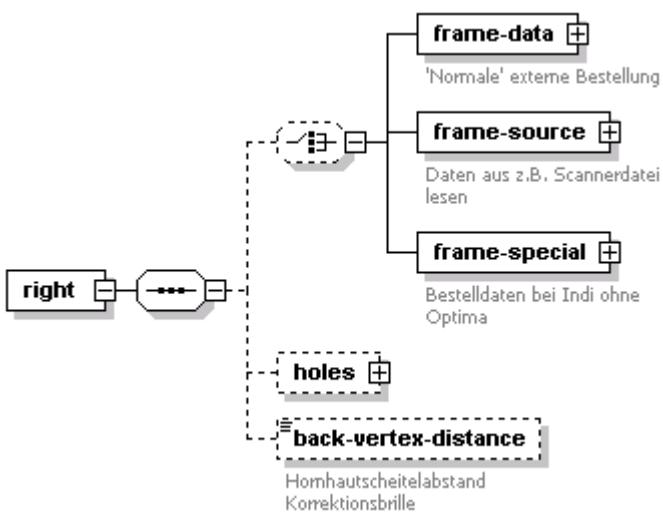
```

<xs:choice minOccurs="0">
  <xs:element name="frame-data" type="frame-dataType">
    <xs:annotation>
      <xs:documentation>'Normale' externe Bestellung</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="frame-source" type="frame-sourceType">
    <xs:annotation>
      <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="frame-special" type="frame-specialType">
    <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>
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</xs:complexType>
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</xs:complexType>
</xs:element>

```

element sales-orderType/frame/pair/right

diagram



children

[frame-data](#) [frame-source](#) [frame-special](#) [holes](#) [back-vertex-distance](#)

source

```

<xs:element name="right">
  <xs:complexType>
    <xs:sequence>
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        <xs:element name="frame-data" type="frame-dataType">
          <xs:annotation>
            <xs:documentation>'Normale' externe Bestellung</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="frame-source" type="frame-sourceType">
          <xs:annotation>
            <xs:documentation>Daten aus z.B. Scannerdatei lesen</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:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

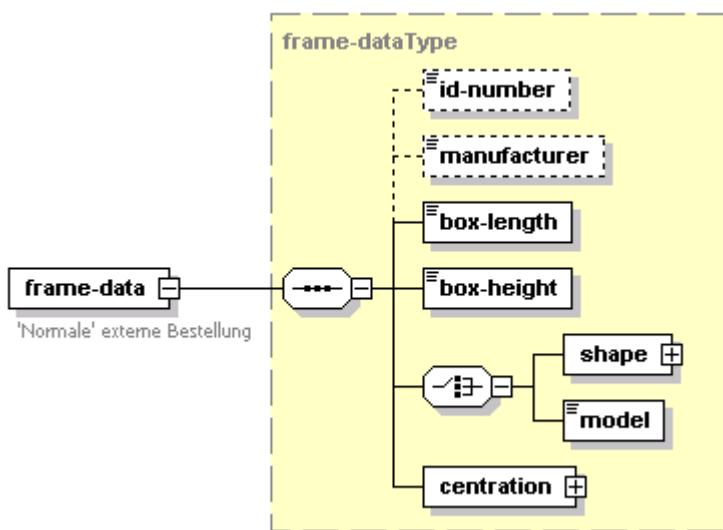
```

<xs:element name="frame-special" type="frame-specialType">
  <xs:annotation>
    <xs:documentation>Bestelldaten bei Indi ohne Optima</xs:documentation>
  </xs:annotation>
  </xs:element>
</xs:choice>
<xs:element name="holes" type="holesType" minOccurs="0"/>
<xs:element name="back-vertex-distance" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Hornhautscheitelabstand Korrektionsbrille</xs:documentation>
  </xs:annotation>
<xs:complexType>
  <xs:simpleContent>
    <xs:extension base="xs:float"/>
  </xs:simpleContent>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

```

element **sales-orderType/frame/pair/right/frame-data**

diagram



type [frame-dataType](#)

children [id-number](#) [manufacturer](#) [box-length](#) [box-height](#) [shape](#) [model](#) [centration](#)

annotation documentation 'Normale' externe Bestellung

source <xs:element name="frame-data" type="frame-dataType">

```

  <xs:annotation>
    <xs:documentation>'Normale' externe Bestellung</xs:documentation>
  </xs:annotation>
</xs:element>

```

element **sales-orderType/frame/pair/right/frame-source**

diagram	<pre> graph LR A[frame-source] --- B{...} B --- C[id-number] B --- D[source] B --- E[box-length] B --- F[box-height] B --- G[centration] </pre> <p>Daten aus z.B. Scannerdatei lesen</p>
type	frame-sourceType
children	id-number source box-length box-height centration
annotation	documentation Daten aus z.B. Scannerdatei lesen
source	<pre> <xs:element name="frame-source" type="frame-sourceType"> <xs:annotation> <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation> </xs:annotation> </xs:element> </pre>

element **sales-orderType/frame/pair/right/frame-special**

diagram	<pre> graph LR A[frame-special] --- B{...} B --- C[box-length] B --- D[box-height] B --- E[centration] </pre> <p>Bestelldaten bei Indi ohne Optima</p>
type	frame-specialType
children	box-length box-height centration
annotation	documentation Bestelldaten bei Indi ohne Optima
source	<pre> <xs:element name="frame-special" type="frame-specialType"> <xs:annotation> <xs:documentation>Bestelldaten bei Indi ohne Optima</xs:documentation> </xs:annotation> </xs:element> </pre>

element **sales-orderType/frame/pair/right/holes**

diagram	<pre> classDiagram class holesType { <<reference-point>> <<minimal-thickness>> <<cartesian>> <<polar>> } holesType "1..4" *--> reference-point holesType "1..4" *--> minimal-thickness cartesian "1..4" *--> polar </pre>
type	holesType
children	reference-point minimal-thickness cartesian polar
source	<xs:element name="holes" type="holesType" minOccurs="0"/>

element **sales-orderType/frame/pair/right/back-vertex-distance**

diagram	<pre> classDiagram class 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:element> </pre>

element **sales-orderType/frame/pair/left**

diagram	
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="left"> <xs:complexType> <xs:sequence> <xs:choice minOccurs="0"> <xs:element name="frame-data" type="frame-dataType"> <xs:annotation> <xs:documentation>Normale' externe Bestellung</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-source" type="frame-sourceType"> <xs:annotation> <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-special" type="frame-specialType"> <xs:annotation> <xs:documentation>Bestelldaten bei Indi ohne Optima</xs:documentation> </xs:annotation> </xs:element> </xs:choice> <xs:element name="holes" type="holesType" minOccurs="0"/> <xs:element name="back-vertex -distance" minOccurs="0"> <xs:annotation> <xs:documentation>Hornhautscheitelabstand Korrektionsbrille</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:float"/> </xs:simpleContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

element **sales-orderType/frame/pair/left/frame-data**

diagram	<pre> graph LR A[frame-data] --- B{...} B --- C[id-number] B --- D[manufacturer] B --- E[box-length] B --- F[box-height] B --- G{...} G --- H[shape] G --- I[model] G --- J[centration] </pre> <p>The diagram shows a structure for 'frame-dataType'. It starts with a 'frame-data' element (represented by a rectangle with a square icon) which connects to a dashed-line box containing several fields: 'id-number', 'manufacturer', 'box-length', 'box-height', and another dashed-line box labeled '...'. This '...' box contains three more fields: 'shape', 'model', and 'centration', each with a plus sign indicating they can be expanded.</p>
type	frame-dataType
children	id-number manufacturer box-length box-height shape model centration
annotation	documentation 'Normale' externe Bestellung
source	<pre> <xs:element name="frame-data" type="frame-dataType"> <xs:annotation> <xs:documentation>'Normale' externe Bestellung</xs:documentation> </xs:annotation> </xs:element> </pre>

element **sales-orderType/frame/pair/left/frame-source**

diagram	<pre> graph LR A[frame-source] --- B{...} B --- C[id-number] B --- D[source] B --- E[box-length] B --- F[box-height] B --- G[centration] </pre> <p>The diagram shows a structure for 'frame-sourceType'. It starts with a 'frame-source' element (rectangle with square icon) which connects to a dashed-line box containing fields: 'id-number', 'source' (with a plus sign), 'box-length', 'box-height', and 'centration' (with a plus sign).</p>
type	frame-sourceType
children	id-number source box-length box-height centration
annotation	documentation Daten aus z.B. Scannerdatei lesen
source	<pre> <xs:element name="frame-source" type="frame-sourceType"> <xs:annotation> <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation> </xs:annotation> </xs:element> </pre>

element **sales-orderType/frame/pair/left/frame-special**

diagram	<pre> graph LR fs[frame-special] --- conn1(()) conn1 --- conn2(()) conn2 --- bl[box-length] conn2 --- bh[box-height] conn2 --- ce[centration] style fs fill:#fff,stroke:#000,stroke-width:1px style conn1 fill:#fff,stroke:#000,stroke-width:1px style conn2 fill:#fff,stroke:#000,stroke-width:1px style bl fill:#fff,stroke:#000,stroke-width:1px style bh fill:#fff,stroke:#000,stroke-width:1px style ce fill:#fff,stroke:#000,stroke-width:1px style frameSpecialType fill:#ffffcc,stroke:#000,stroke-width:1px style note fill:#fff,stroke:#000,stroke-width:1px </pre> <p>frame-specialType</p> <p>frame-special</p> <p>Bestelldaten bei Indi ohne Optima</p>
type	frame-specialType
children	box-length box-height centration
annotation	documentation Bestelldaten bei Indi ohne Optima
source	<pre> <xs:element name="frame-special" type="frame-specialType"> <xs:annotation> <xs:documentation>Bestelldaten bei Indi ohne Optima</xs:documentation> </xs:annotation> </xs:element> </pre>

element **sales-orderType/frame/pair/left/holes**

diagram	<pre> graph LR h[holes] --- conn1(()) conn1 --- conn2(()) conn2 --- rp[reference-point] conn2 --- mt[minimal-thickness] conn2 --- choice(()) choice --- cartesian[cartesian] choice --- polar[polar] style h fill:#fff,stroke:#000,stroke-width:1px style conn1 fill:#fff,stroke:#000,stroke-width:1px style conn2 fill:#fff,stroke:#000,stroke-width:1px style rp fill:#fff,stroke:#000,stroke-width:1px style mt fill:#fff,stroke:#000,stroke-width:1px style choice fill:#fff,stroke:#000,stroke-width:1px style cartesian fill:#fff,stroke:#000,stroke-width:1px style polar fill:#fff,stroke:#000,stroke-width:1px style holesType fill:#ffffcc,stroke:#000,stroke-width:1px style note fill:#fff,stroke:#000,stroke-width:1px </pre> <p>holesType</p> <p>holes</p> <p>1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz</p> <p>reference-point</p> <p>minimal-thickness</p> <p>cartesian</p> <p>polar</p>
type	holesType
children	reference-point minimal-thickness cartesian polar
source	<pre> <xs:element name="holes" type="holesType" minOccurs="0"/> </pre>

element **sales-orderType/frame/pair/left/back-vertex-distance**

diagram	<pre> graph LR bvd[back-vertex-distance] style bvd fill:#fff,stroke:#000,stroke-width:1px style backVertexDistance fill:#ffffcc,stroke:#000,stroke-width:1px style note fill:#fff,stroke:#000,stroke-width:1px </pre> <p>back-vertex-distance</p> <p>Hornhautscheitelabstand Korrektionsbrille</p>
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:element> </pre>

	<pre></xs:simpleContent> </xs:complexType> </xs:element></pre>
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element **sales-orderType/frame/single**

diagram	
children	right left
source	<pre><xs:element name="single"> <xs:complexType> <xs:choice> <xs:element name="right"> <xs:complexType> <xs:sequence> <xs:choice minOccurs="0"> <xs:element name="frame-data" type="frame-dataType"> <xs:annotation> <xs:documentation>'Normale' externe Bestellung</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-source" type="frame-sourceType"> <xs:annotation> <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-special" type="frame-specialType"> <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:element name="left"> <xs:complexType> <xs:sequence> <xs:choice minOccurs="0"> <xs:element name="frame-data" type="frame-dataType"> <xs:annotation> <xs:documentation>'Normale' externe Bestellung</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-source" type="frame-sourceType"> <xs:annotation> <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-special" type="frame-specialType"> <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:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:choice> </xs:complexType> </xs:element></pre>

	<pre> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:float"/> </xs:simpleContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:choice> </xs:complexType> </xs:element> </pre>
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element sales-orderType/frame/single/right

diagram	<pre> graph LR right[right] --- sequence[...] sequence --- frameData[frame-data +] sequence --- frameSource[frame-source +] sequence --- frameSpecial[frame-special +] frameData --- doc1[Normale' externe Bestellung] frameSource --- doc2[Daten aus z.B. Scannerdatei lesen] frameSpecial --- doc3[Bestelldaten bei Indi ohne Optima] holes[holes +] backDistance[back-vertex-distance +] </pre>
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children	frame-data frame-source frame-special holes back-vertex-distance
source	<pre> <xs:element name="right"> <xs:complexType> <xs:sequence> <xs:choice minOccurs="0"> <xs:element name="frame-data" type="frame-dataType"> <xs:annotation> <xs:documentation>Normale' externe Bestellung</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-source" type="frame-sourceType"> <xs:annotation> <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-special" type="frame-specialType"> <xs:annotation> <xs:documentation>Bestelldaten bei Indi ohne Optima</xs:documentation> </xs:annotation> </xs:element> </xs:choice> <xs:element name="holes" type="holesType" minOccurs="0"/> <xs:element name="back-vertex -distance" minOccurs="0"> <xs:annotation> <xs:documentation>Hornhautscheitelabstand Korrektionsbrille</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:float"/> </xs:simpleContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **sales-orderType/frame/single/right/frame-data**

diagram	<pre> graph LR FD[frame-dataType] --- ID[id-number] FD --- MAN[manufacturer] FD --- BL[box-length] FD --- BH[box-height] FD --- SHA[shape] FD --- MO[model] FD --- CEN[centration] FD --- FDS[frame-data] FDS --- DOTS[...] DOTS --- BL DOTS --- BH DOTS --- SHA SHA --- MO SHA --- CEN </pre> <p>The diagram illustrates the structure of the <code>frame-dataType</code>. It consists of several fields: <code>id-number</code>, <code>manufacturer</code>, <code>box-length</code>, <code>box-height</code>, <code>shape</code>, <code>model</code>, and <code>centration</code>. A <code>frame-data</code> element connects to a dashed box containing three dots (...), which in turn connect to <code>box-length</code>, <code>box-height</code>, and <code>shape</code>. <code>shape</code> also connects to <code>model</code> and <code>centration</code>. A note below the <code>frame-data</code> element states "'Normale' externe Bestellung".</p>
type	frame-dataType
children	id-number manufacturer box-length box-height shape model centration
annotation	documentation 'Normale' externe Bestellung
source	<pre> <xs:element name="frame-data" type="frame-dataType"> <xs:annotation> <xs:documentation>'Normale' externe Bestellung</xs:documentation> </xs:annotation> </xs:element> </pre>

element **sales-orderType/frame/single/right/frame-source**

diagram	<pre> graph LR FST[frame-sourceType] --- ID[id-number] FST --- SRC[source] FST --- BL[box-length] FST --- BH[box-height] FST --- CEN[centration] FST --- FSS[frame-source] FSS --- DOTS[...] DOTS --- BL DOTS --- BH DOTS --- CEN </pre> <p>The diagram illustrates the structure of the <code>frame-sourceType</code>. It consists of several fields: <code>id-number</code>, <code>source</code>, <code>box-length</code>, <code>box-height</code>, and <code>centration</code>. A <code>frame-source</code> element connects to a dashed box containing three dots (...), which in turn connect to <code>box-length</code>, <code>box-height</code>, and <code>centration</code>. A note below the <code>frame-source</code> element states "Daten aus z.B. Scannerdatei lesen".</p>
type	frame-sourceType
children	id-number source box-length box-height centration
annotation	documentation Daten aus z.B. Scannerdatei lesen
source	<pre> <xs:element name="frame-source" type="frame-sourceType"> <xs:annotation> <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation> </xs:annotation> </xs:element> </pre>

element **sales-orderType/frame/single/right/frame-special**

diagram	<pre> graph LR A[frame-special] --> B{...} B --> C[box-length] B --> D[box-height] B --> E[centration] </pre> <p>Bestelldaten bei Indi ohne Optima</p>
type	frame-specialType
children	box-length box-height centration
annotation	documentation Bestelldaten bei Indi ohne Optima
source	<pre> <xs:element name="frame-special" type="frame-specialType"> <xs:annotation> <xs:documentation>Bestelldaten bei Indi ohne Optima</xs:documentation> </xs:annotation> </xs:element> </pre>

element **sales-orderType/frame/single/right/holes**

diagram	<pre> graph LR A[holes] --> B{...} B --> C[reference-point] C --> D[minimal-thickness] D --> E[cartesian] D --> F[polar] </pre> <p>1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz</p>
type	holesType
children	reference-point minimal-thickness cartesian polar
source	<pre> <xs:element name="holes" type="holesType" minOccurs="0"/> </pre>

element **sales-orderType/frame/single/right/back-vertex-distance**

diagram	<pre> graph LR A[back-vertex-distance] </pre> <p>Hornhautscheitelabstand Korrektionsbrille</p>
type	extension of xs:float
annotation	documentation Hornhautscheitelabstand Korrekitionsbrille
source	<pre> <xs:element name="back-vertex-distance" minOccurs="0"> <xs:annotation> <xs:documentation>Hornhautscheitelabstand Korrekitionsbrille</xs:documentation> </xs:annotation> </xs:element> </pre>

	<pre></xs:simpleContent> </xs:complexType> </xs:element></pre>
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element **sales-orderType/frame/single/left**

diagram	
children	frame-data frame-source frame-special holes back-vertex-distance
source	<pre><xs:element name="left"> <xs:complexType> <xs:sequence> <xs:choice minOccurs="0"> <xs:element name="frame-data" type="frame-dataType"> <xs:annotation> <xs:documentation>Normale' externe Bestellung</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-source" type="frame-sourceType"> <xs:annotation> <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation> </xs:annotation> </xs:element> <xs:element name="frame-special" type="frame-specialType"> <xs:annotation> <xs:documentation>Bestelldaten bei Indi ohne Optima</xs:documentation> </xs:annotation> </xs:element> </xs:choice> <xs:element name="holes" type="holesType" minOccurs="0"/> <xs:element name="back-vertex -distance" minOccurs="0"> <xs:annotation> <xs:documentation>Hornhautscheitelabstand Korrektionsbrille</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:float"/> </xs:simpleContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

element **sales-orderType/frame/single/left/frame-data**

diagram	<pre> graph LR A[frame-data] --- B{***} B --- C[id-number] B --- D[manufacturer] B --- E[box-length] B --- F[box-height] B --- G{+} G --- H[shape] G --- I[model] G --- J[centration] </pre> <p>The diagram shows a frame-data element connected to a dashed box labeled frame-dataType. Inside the frame-dataType box are several elements: id-number, manufacturer, box-length, box-height, and a plus sign icon followed by shape, model, and centration.</p>
type	frame-dataType
children	id-number manufacturer box-length box-height shape model centration
annotation	documentation 'Normale' externe Bestellung
source	<pre> <xs:element name="frame-data" type="frame-dataType"> <xs:annotation> <xs:documentation>'Normale' externe Bestellung</xs:documentation> </xs:annotation> </xs:element> </pre>

element **sales-orderType/frame/single/left/frame-source**

diagram	<pre> graph LR A[frame-source] --- B{***} B --- C[id-number] B --- D[source] B --- E[box-length] B --- F[box-height] B --- G[centration] </pre> <p>The diagram shows a frame-source element connected to a dashed box labeled frame-sourceType. Inside the frame-sourceType box are several elements: id-number, a plus sign icon labeled source, box-length, box-height, and centration.</p>
type	frame-sourceType
children	id-number source box-length box-height centration
annotation	documentation Daten aus z.B. Scannerdatei lesen
source	<pre> <xs:element name="frame-source" type="frame-sourceType"> <xs:annotation> <xs:documentation>Daten aus z.B. Scannerdatei lesen</xs:documentation> </xs:annotation> </xs:element> </pre>

element **sales-orderType/frame/single/left/frame-special**

diagram	<pre> graph LR A[frame-special] --> B(()) B --- C[box-length] B --- D[box-height] B --- E[centration] F[Bestelldaten bei Indi ohne Optima] --- G[Documentation] </pre>
type	frame-specialType
children	box-length box-height centration
annotation	documentation Bestelldaten bei Indi ohne Optima
source	<pre> <xs:element name="frame-special" type="frame-specialType"> <xs:annotation> <xs:documentation>Bestelldaten bei Indi ohne Optima</xs:documentation> </xs:annotation> </xs:element> </pre>

element **sales-orderType/frame/single/left/holes**

diagram	<pre> graph LR A[holes] --> B[reference-point] B --- C[minimal-thickness] B --- D[cartesian] B --- E[polar] C --- F["1=bzgl.Boxmitte"] C --- G["2=bzgl.Zentriertkreuz"] D --- H["1..4"] E --- I["1..4"] </pre>
type	holesType
children	reference-point minimal-thickness cartesian polar
source	<pre> <xs:element name="holes" type="holesType" minOccurs="0"/> </pre>

element **sales-orderType/frame/single/left/back-vertex-distance**

diagram	<pre> graph LR A[back-vertex-distance] </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:element> </pre>

	<pre></xs:simpleContent> </xs:complexType> </xs:element></pre>
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element sales-orderType/frame/pantoscopic-angle

diagram	<p>The diagram shows a rectangular box labeled "pantoscopic-angle". Below it is a smaller box labeled "Fassungsvorneigung".</p>
type	xs:float
annotation	documentation Fassungsvorneigung
source	<pre><xs:element name="pantoscopic-angle" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Fassungsvorneigung</xs:documentation> </xs:annotation> </xs:element></pre>

element sales-orderType/frame/frame-bow-angle

diagram	<p>The diagram shows a rectangular box labeled "frame-bow-angle". Below it is a smaller box labeled "Fassungsscheibenwinkel".</p>
type	xs:float
annotation	documentation Fassungsscheibenwinkel
source	<pre><xs:element name="frame-bow-angle" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Fassungsscheibenwinkel</xs:documentation> </xs:annotation> </xs:element></pre>

element sales-orderType/frame/remote-edging

diagram	<p>The diagram shows a rectangular box labeled "remote-edging" connected by a sequence of three small boxes with arrows between them, which are connected to a rectangular box labeled "bevel".</p>
children	<u>bevel</u>
source	<pre><xs:element name="remote-edging" minOccurs="0"> <xs:complexType> <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> </xs:element></pre>

element **sales-orderType/frame/remote-edging/bevel**

diagram	<pre> graph LR bevel[bevel] --> N1(()) N1 --- N2(()) N2 --- type[type] type --- position[position] position --- N3(()) N3 -.-> sizeCorrection[size-correction] style sizeCorrection stroke-dasharray: [5, 5] </pre>
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 **sales-orderType/frame/remote-edging/bevel/type**

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

element **sales-orderType/frame/remote-edging/bevel/position**

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

element **sales-orderType/frame/remote-edging/bevel/size-correction**

diagram	<pre> graph LR sizeCorrection[size-correction] </pre>
source	<pre> <xs:element name="size-correction" minOccurs="0"/> </pre>

complexType **cylinderType**

diagram	<pre> graph LR cylinderType[cylinderType] --> N1(()) N1 --- N2(()) N2 --- power[power] power --- axis[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:sequence> </xs:complexType> </pre>

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

element cylinderType/power

diagram	
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>

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 refractionType

diagram	
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" 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:choice> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </pre>

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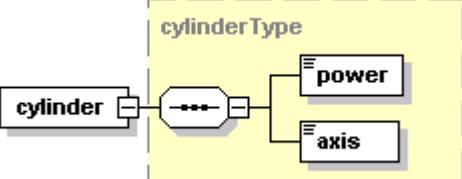
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</xs:complexType>
</xs:element>
<xs:element name="upset" minOccurs="0">
<xs:complexType>
<xs:choice>
<xs:element name="null" type="xs:string"/>
<xs:element name="value" type="xs:float"/>
<xs:sequence>
<xs:element name="y" type="xs:float"/>
<xs:element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

```

element refractionType/sphere

diagram	
type	restriction of xs:float
facets	minInclusive -50 maxInclusive 50
source	<pre> <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> </pre>

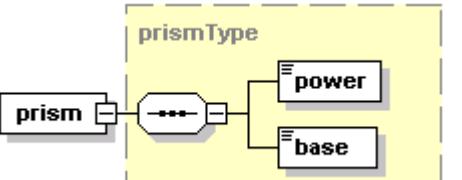
element refractionType/cylinder

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

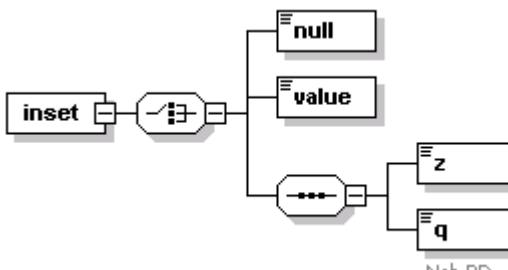
element refractionType/addition

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

element refractionType/prism

diagram													
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> <br < <="" xs:complexcontent><br="" xs:complextype><br=""></br <> </xs:element>												

element refractionType/inset

diagram	 Nah-PD
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	
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	<pre><xs:element name="value" type="xs:float"/></pre>

element refractionType/inset/z

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

element refractionType/inset/q

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

element refractionType/upset

diagram	
children	<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

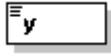
diagram	
type	xs:string
source	<xs:element name="null" type="xs:string"/>

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"/>

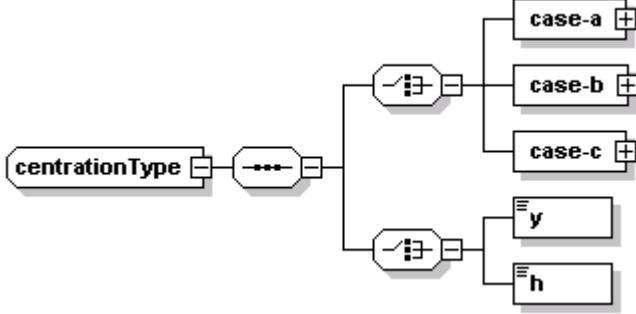
element refractionType/interpupillary-distance

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>

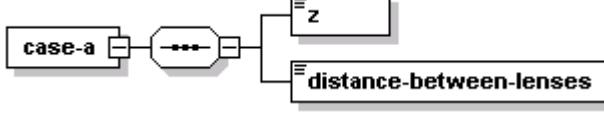
element refractionType/near-object-distance

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

complexType centrationType

diagram	
children	case-a case-b case-c y h
used by	elements frame-dataType/centration frame-sourceType/centration frame-specialType/centration
source	<pre> <xs:complexType name="centrationType"> <xs:sequence> <xs:choice> <xs:element name="case-a"> <xs:complexType> <xs:sequence> <xs:element name="z" type="xs:float"/> <xs:element name="distance-between-lenses" type="xs:float"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="case-b"> <xs:complexType> <xs:sequence> <xs:element name="z" type="xs:float"/> <xs:element name="x" type="xs:float"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="case-c"> <xs:complexType> <xs:sequence> <xs:element name="x" type="xs:float"/> <xs:element name="distance-between-lenses" type="xs:float" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </xs:choice> <xs:choice> <xs:element name="y" type="xs:float"/> <xs:element name="h" type="xs:float"/> </xs:choice> </xs:sequence> </xs:complexType> </pre>

element centrationType/case -a

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

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

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

element centrationType/case -b

diagram	
children	<u>z</u> <u>x</u>
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	<u>x</u> <u>distance-between-lenses</u>

source	<pre><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></pre>
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element **centrationType/case -c/x**

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

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

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

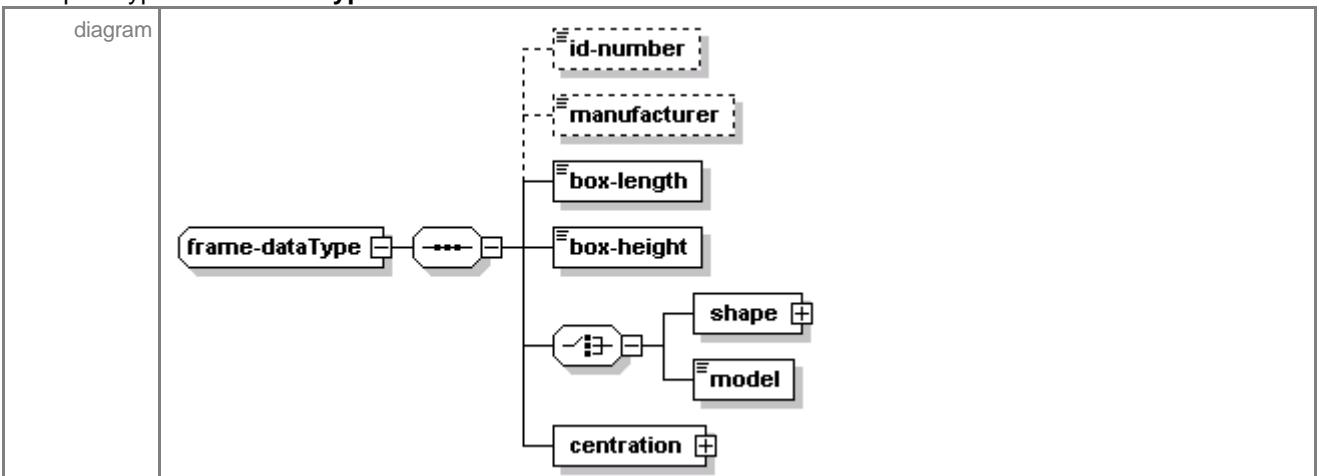
element **centrationType/y**

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

element **centrationType/h**

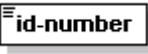
diagram	
type	xs:float
source	<pre><xs:element name="h" type="xs:float"/></pre>

complexType **frame-dataType**



children	id-number manufacturer box-length box-height shape model centration
used by	elements sales-orderType/frame/pair/right/frame-data sales-orderType/frame/pair/left/frame-data sales-orderType/frame/single/right/frame-data sales-orderType/frame/single/left/frame-data
source	<pre><xs:complexType name="frame-dataType"> <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:sequence> </xs:complexType></pre>

element **frame-dataType/id-number**

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

element **frame-dataType/manufacturer**

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

element **frame-dataType/box-length**

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

element **frame-dataType/box-height**

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

element frame-dataType/shape

diagram	<pre> classDiagram class shapeType { source-type reference-point start-point point } shape < -- shapeType source-type < -- "z.B. scann, tracer," reference-point < -- "1=bzgl.Boxmitte" reference-point < -- "2=bzgl.Zentrierkreuz" start-point < -- "last-point = start-point = true" point < -- "17..∞" </pre>
type	shapeType
children	source-type reference-point start-point point
source	<code><xs:element name="shape" type="shapeType"/></code>

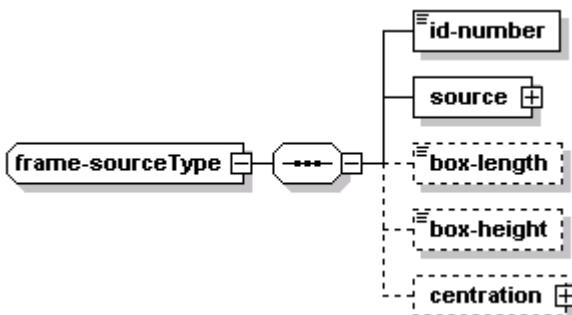
element frame-dataType/model

diagram	<pre> classDiagram class model </pre>
type	<code>xs:int</code>
source	<code><xs:element name="model" type="xs:int"/></code>

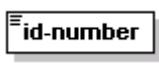
element frame-dataType/centration

diagram	<pre> classDiagram class centrationType { case-a case-b case-c y h } centration < -- centrationType case-a < -- "case-a" case-b < -- "case-b" case-c < -- "case-c" y < -- "y" h < -- "h" </pre>
type	centrationType
children	case-a case-b case-c y h
source	<code><xs:element name="centration" type="centrationType"/></code>

complexType frame-sourceType

diagram	
children	id-number source box-length box-height centration
used by	elements sales-orderType/frame/pair/right/frame-source sales-orderType/frame/pair/left/frame-source sales-orderType/frame/single/right/frame-source sales-orderType/frame/single/left/frame-source
source	<pre> <xs:complexType name="frame-sourceType"> <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:sequence> </xs:complexType> </pre>

element frame-sourceType/id-number

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

element frame-sourceType/source

diagram	<pre> classDiagram source --> reference-point source --> source-type source --> source-location reference-point <--> source-type reference-point <--> source-location reference-point "1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz" source-type "z.B. scann" source-location "z.B. Verzeichnis Scannerdatei" </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 frame-sourceType/source/reference-point

diagram	<pre> classDiagram reference-point reference-point "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 frame-sourceType/source/source-type

diagram	<pre> classDiagram source-type source-type "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>

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

element frame-sourceType/source/source-location

diagram	
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>

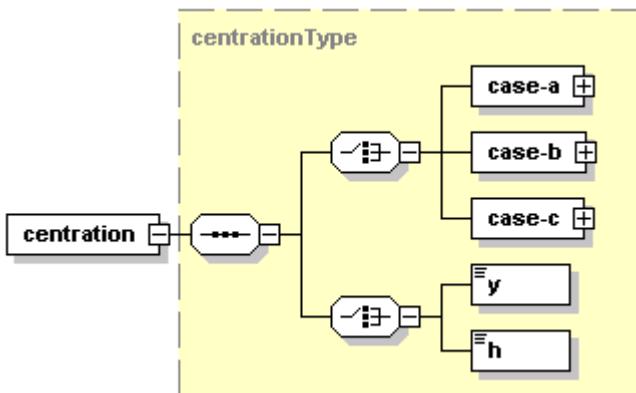
element frame-sourceType/box-length

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

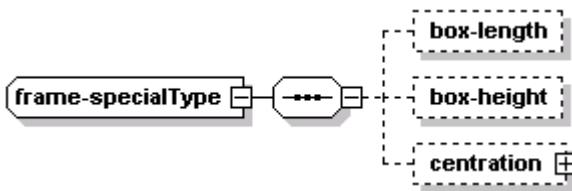
element frame-sourceType/box-height

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

element frame-sourceType/centration

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

complexType frame-specialType

diagram	
children	box-length box-height centration
used by	elements sales-orderType/frame/pair/right/frame-special sales-orderType/frame/pair/left/frame-special sales-orderType/frame/single/right/frame-special sales-orderType/frame/single/left/frame-special
source	<pre><xs:complexType name="frame-specialType"> <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>

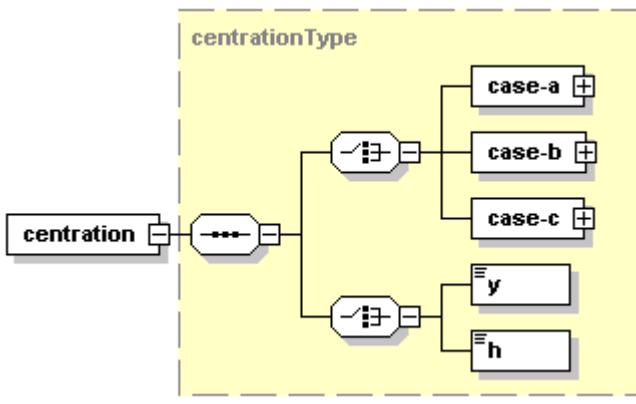
element frame-specialType/box-length

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

element frame-specialType/box-height

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

element frame-specialType/centration

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

complexType lensType

diagram	<pre> classDiagram class lensType { lens-id edi-code product-line diameter opt-diameter description refraction decentration modify-thickness-flag optima-flag options pre-calc } diameter < -- opt-diameter opt-diameter < -- description opt-diameter < -- refraction opt-diameter < -- decentration opt-diameter < -- modify-thickness-flag opt-diameter < -- optima-flag opt-diameter < -- options opt-diameter < -- pre-calc </pre>
children	lens-id edi-code product-line diameter opt-diameter description refraction decentration modify-thickness-flag optima-flag options pre-calc
used by	complexType lens -sales-orderType
source	<pre> <xs:complexType name="lensType"> <xs:sequence> <xs:choice> <xs:element name="lens-id"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="5"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="edi-code"> <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" type="xs:integer"/> <xs:element name="diameter"> <xs:annotation> <xs:documentation>Standard- Durchmesser</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </pre>

```

</xs:simpleType>
</xs:element>
<xs:element name="opt-diameter" minOccurs="0">
<xs:annotation>
  <xs:documentation>Kleinste möglicher opt. 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: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:element name="options" type="optionsType" minOccurs="0"/>
<xs:element name="pre-calc" type="pre-calcType" minOccurs="0"/>
</xs:sequence>
</xs:complexType>

```

element lensType/lens-id

diagram	
type	restriction of xs:string
facets	minLength 1 maxLength 5
source	<xs:element name="lens-id">

	<pre> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="5"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	---

element lensType/edi-code

diagram	 edi-code
type	restriction of xs:integer
facets	minInclusive -9999 maxInclusive 9999
source	<pre> <xs:element name="edi-code"> <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	 product-line
type	xs:integer
source	<pre> <xs:element name="product-line" type="xs:integer"/> </pre>

element lensType/diameter

diagram	 diameter Standard- Durchmesser
type	restriction of xs:integer
facets	maxInclusive 99
annotation	documentation Standard- Durchmesser
source	<pre> <xs:element name="diameter"> <xs:annotation> <xs:documentation>Standard- Durchmesser</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element lensType/opt-diameter

diagram	 opt-diameter Kleinstmöglicher opt. Durchmesser
type	restriction of xs:integer
facets	minInclusive 0 maxInclusive 99

annotation	documentation Kleinstmöglicher opt. Durchmesser
source	<pre><xs:element name="opt-diameter" minOccurs="0"> <xs:annotation> <xs:documentation>Kleinstmöglicher opt. 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	
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	
type	xs:string
source	<pre><xs:element name="name" type="xs:string" minOccurs="0"/></pre>

element lensType/description/ce-text

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

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										

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

element **lensType/optima-flag**

diagram	 optima-flag
type	xs:boolean
source	<code><xs:element name="optima-flag" type="xs:boolean"/></code>

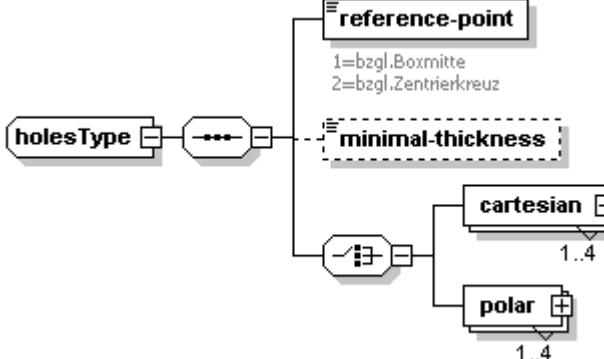
element lensType/options

diagram	<pre> classDiagram class optionsType { tint coating thin flat approximate 1 = Grundkurve 2 = Mittendicke 3 = Randdicke 4 = G + M 5 = G + R 6 = G + Dicke alge piano-concave piano-convex bi-concave bi-convex centre-thickness Wunsch-Mittendicke edge-thickness Wunsch-Randdicke nylor Randdickenvorgabe als Flag toric lenticular aniseicony slab-off occlusion frosted mattieren } class options { <> ... } options < -- optionsType </pre>
type	optionsType
children	tint coating thin flat approximate piano-concave piano-convex bi-concave bi-convex centre-thickness edge-thickness nylor toric lenticular aniseicony slab-off occlusion frosted
source	<xs:element name="options" type="optionsType" minOccurs="0"/>

element lensType/pre-calc

diagram	<pre> classDiagram class pre-calcType { edge-thickness-demo focal-type material-category refractive-index refractive-index-type surface-type phototrophic diameter-type density } class pre-calc { <--> pre-calcType } </pre>
type	pre-calcType
children	edge-thickness-demo focal-type material-category refractive -index refractive-index-type surface -type phototrophic diameter-type density
source	<pre><xs:element name="pre-calc" type="pre-calcType" minOccurs="0"/></pre>

complexType holesType

diagram	
children	reference-point minimal-thickness cartesian polar
used by	elements sales-orderType/frame/pair/right/holes sales-orderType/frame/pair/left/holes sales-orderType/frame/single/right/holes sales-orderType/frame/single/left/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	
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	<xs:element name="minimal-thickness" type="xs:float" minOccurs="0"/>

element holesType/cartesian

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

element holesType/cartesian/x

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

element holesType/cartesian/y

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

element holesType/polar

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

element holesType/polar/angle

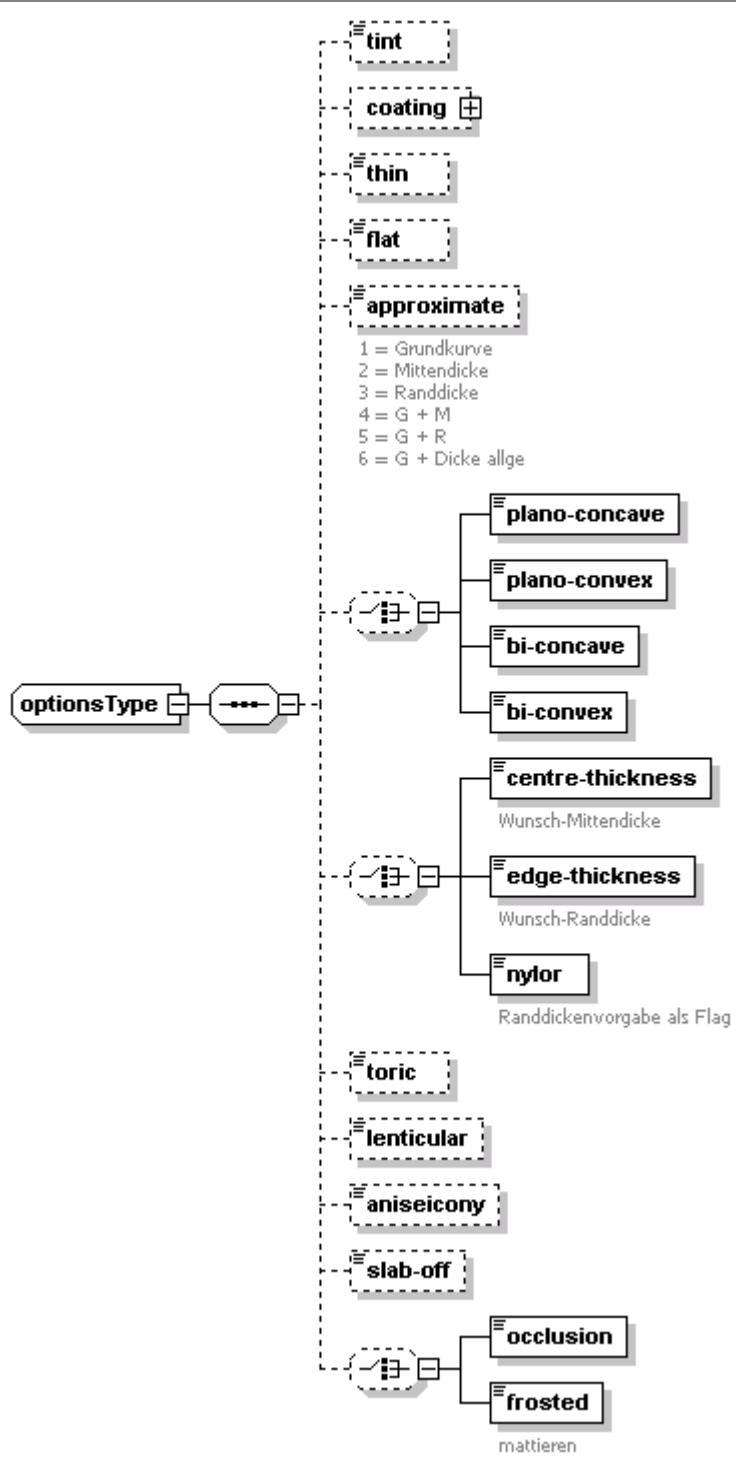
diagram	
type	xs:float
source	<code><xs:element name="angle" type="xs:float"/></code>

element holesType/polar/radius

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

complexType optionsType

diagram



children [tint](#) [coating](#) [thin](#) [flat](#) [approximate](#) [piano-concave](#) [piano-convex](#) [bi-concave](#) [bi-convex](#) [centre-thickness](#) [edge-thickness](#) [nylor](#) [toric](#) [lenticular](#) [aniseicony](#) [slab-off](#) [occlusion](#) [frosted](#)

used by element [lensType/options](#)

source

```

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

```

```

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

```

```

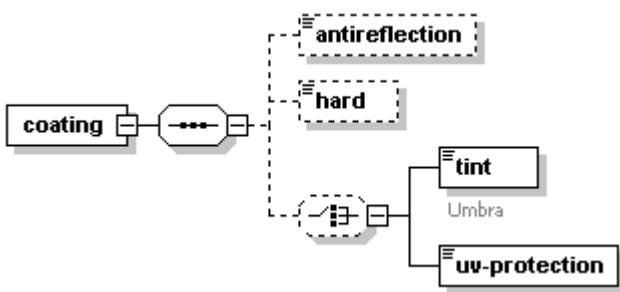
<xs:element name="bi-convex" type="xs:boolean"/>
</xs:choice>
<xs:choice minOccurs="0">
<xs:element name="centre-thickness">
<xs:annotation>
<xs:documentation>Wunsch-Mittendicke</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:float">
<xs:minExclusive value="0.2"/>
<xs:maxExclusive value="30.0"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="edge-thickness">
<xs:annotation>
<xs:documentation>Wunsch-Randdicke</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:float">
<xs:minExclusive value="0.2"/>
<xs:maxExclusive value="30.0"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="nylor" type="xs:boolean">
<xs:annotation>
<xs:documentation>Randdickenvorgabe als Flag</xs:documentation>
</xs:annotation>
</xs:element>
</xs:choice>
<xs:element name="toric" default="back" minOccurs="0">
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:enumeration value="front"/>
<xs:enumeration value="back"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="lenticular" type="xs:boolean" minOccurs="0"/>
<xs:element name="aniseicony" minOccurs="0">
<xs:complexType>
<xs:simpleContent>
<xs:extension base="xs:boolean">
<xs:attribute name="value" type="xs:float" use="optional"/>
</xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>
<xs:element name="slab-off" minOccurs="0">
<xs:complexType>
<xs:simpleContent>
<xs:extension base="xs:boolean">
<xs:attribute name="value" use="optional">
<xs:simpleType>
<xs:restriction base="xs:float">
<xs:minInclusive value="1.3"/>
</xs:restriction>
</xs:simpleType>
</xs:attribute>
</xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>
<xs:choice minOccurs="0">
<xs:element name="occlusion" type="xs:boolean"/>
<xs:element name="frosted" type="xs:boolean">
<xs:annotation>
<xs:documentation>mattieren</xs:documentation>
</xs:annotation>
</xs:element>
</xs:choice>
</xs:sequence>
</xs:complexType>

```

element optionsType/tint

diagram													
type	extension of xs:string												
attributes	<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>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	note	xs:string	optional			
Name	Type	Use	Default	Fixed	Annotation								
note	xs:string	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	
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"/> <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:choice> <xs:element name="uv-protection" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre> </xs:complexType> </xs:element> <xs:element name="uv-protection" type="xs:string"/> </xs:choice> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

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	<pre> <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> </pre>												

element optionsType/coating/hard

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

element optionsType/coating/tint

diagram													
	Umbra												
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>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	side	xs:string	optional			
Name	Type	Use	Default	Fixed	Annotation								
side	xs:string	optional											
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> </pre>												

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

element optionsType/coating/uv-protection

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

element optionsType/thin

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

element optionsType/flat

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

element optionsType/approximate

diagram	
	<p>1 = Grundkurve 2 = Mittendicke 3 = Randdicke 4 = G + M 5 = G + R 6 = G + Dicke alle</p>
type	extension of <code>xs:integer</code>
annotation	documentation 1 = Grundkurve 2 = Mittendicke 3 = Randdicke 4 = G + M 5 = G + R 6 = G + Dicke alle
source	<code><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></code>

	<pre><xs:simpleContent> <xs:extension base="xs:integer"/> </xs:simpleContent> </xs:complexType> </xs:element></pre>
--	---

element optionsType/plano-concave

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

element optionsType/plano-convex

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

element optionsType/bi-concave

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

element optionsType/bi-convex

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

element optionsType/centre-thickness

diagram	
	Wunsch-Mittendicke
type	restriction of xs:float
facets	minExclusive 0.2 maxExclusive 30.0
annotation	documentation Wunsch-Mittendicke
source	<pre><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></pre>

element optionsType/edge-thickness

diagram	 edge-thickness Wunsch-Randdicke
type	restriction of xs:float
facets	minExclusive 0.2 maxExclusive 30.0
annotation	documentation Wunsch-Randdicke
source	<pre><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></pre>

element optionsType/nylor

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

element optionsType/aniseicony

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

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 pre-calcType

diagram	<pre> graph LR preCalcType[pre-calcType] --> edgeThicknessDemo{edge-thickness-demo} edgeThicknessDemo --> focalType[focal-type] focalType --> materialCategory[material-category] materialCategory --> refractiveIndex[refractive-index] refractiveIndex --> refractiveIndexType{refractive-index-type} refractiveIndexType --> surfaceType[surface-type] surfaceType --> phototrophic{phototrophic} phototrophic --> diameterType[diameter-type] diameterType --> density[density] </pre>
children	edge-thickness-demo focal-type material-category refractive -index refractive-index-type surface -type phototrophic diameter-type density
used by	element lensType/pre-calc
source	<pre> <xs:complexType name="pre-calcType"> <xs:sequence> <xs:element name="edge-thickness-demo" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>Randdickenverlauf Bei consult default true</xs:documentation> </xs:annotation> </xs:element> <xs:element name="focal-type" minOccurs="0"> <xs:annotation> <xs:documentation>1 = Einstaerkenglas 2 = Bifokalglas 3 = Trifokalglas 4 = Gleitsichtglas</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> </pre>

```

<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 pre-calcType/edge-thickness-demo

diagram

edge-thickness-demo

Randdickenverlauf
Bei consult default true

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

element pre-calcType/focal-type

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

element pre-calcType/material-category

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

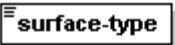
element pre-calcType/refractive-index

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

element pre-calcType/refractive-index-type

diagram	
	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
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 pre-calcType/surface-type

diagram	
	1=normales Glas 2=Clet Hypal, Hypal 3=frei 4=Ueberfang 5=Aphal 6=Einstaerken asphaerisch 7=Lupenglas 8=Arbeitsplatzbrille(RD+Busi 9=Individual
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>
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element pre-calcType/phototrophic

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

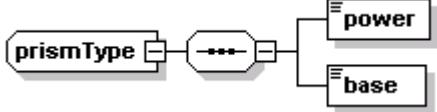
element pre-calcType/diameter-type

diagram	
	0=zentriert 1=75/80 bis 55/60,60,55,50 4=80E bis 55E
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 pre-calcType/density

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

diagram	
children	source-type reference-point start-point point
used by	element frame-dataType/shape
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: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: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 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"></pre>

	<pre> <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,

element shapeType/reference-point

diagram	
	1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz
type	xs:int
annotation	documentation 1=bzgl.Boxmitte 2=bzgl.Zentrierkreuz

element shapeType/start-point

diagram	
children	angle radius
attributes	Name lastpoint Type xs:boolean Use required Default Fixed Annotation
annotation	documentation last-point = start-point = true

	<pre> <xs:maxInclusive value="360.00"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="radius" type="xs:float"/> </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/point**

diagram	
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"> </pre>

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

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

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