

# Descriptor

No.	Description	Linear division	
- ↓ ↑ 1	-	70mm:1:70mm	☰
+ And X			
+ X	↓	Less than or equal	↓
		400	X
- ↓ ↑ 2	-	100mm:1:100mm	☰
+ And X			
+ X	↓	Greater than	↓
		400	X
+ X	↓	Less than or equal	↓
		900	X
+ ↓ ↑ 3	-	100mm:1:1:100mm	☰
+ ↓ ↑ 4	-	100mm:1:1:1:100mm	☰
+ ↓ ↑ 5	-	100mm:1:1:1:1:100mm	☰

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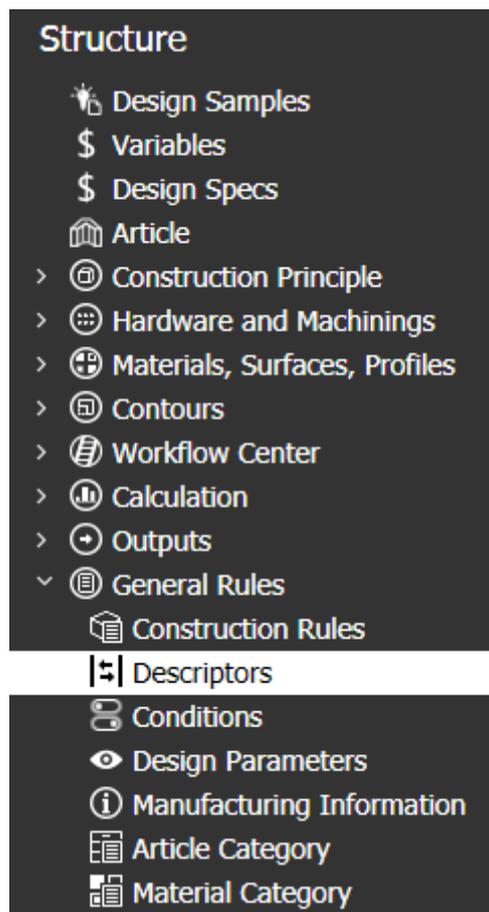
# 1. General

The Descriptors are administrated in the Element Manager and are used in linear divisions.

The descriptors are located beneath the node **General Rules**.

There is a graphical user interface for simplifying the handling available in the data system. This is an advantage for the definition of the operators in particular.

Besides, nesting can be made with the definition of the conditions.



## 2. Set up new condition

Descriptor\_New

Name	Value
▼ Default settings	
Notes	Standard
Type	Linear division ▼
Sample Dimension	500
Default	1:1:1
▼ Conditions <span style="float: right; border: 1px solid red; border-radius: 50%; padding: 2px;">+</span>	
No.	Description
	Linear division

For defining a new condition for a descriptor, click on the plus sign next to **Conditions**.

No.	Description	Linear divi...
-	↓ ↑ 1	☰
Add Comparison		

A new row appears where a **Linear division** and **Description** can be defined.

Now a **Condition** can be defined for this linear division. For this purpose, click on the button **Add comparison**.

No.	Description	Linear divisi...
-	↓ ↑ 1	☰
+	0 ▼	Equal ▼ 0
✕		

Now a condition for the linear division can be defined.

## 3. Define default

The default value for a linear division is always used, if none of the defined conditions is valid for the current situation.

Descriptor\_New

Name	Value
▼ Default settings	
Notes	Standard
Type	Linear division ▼
Sample Dimension	500
Default	1:1:1

## 4. Preview

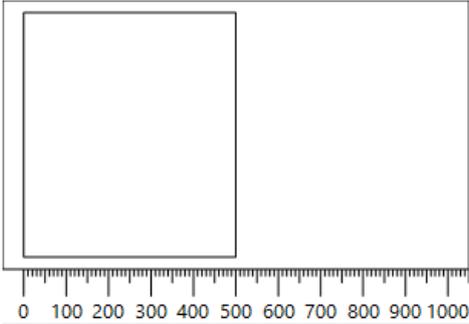
A preview of the defined division can be displayed on the right side. For displaying the preview, click on the arrow next to **Preview**.

Descriptor\_New Preview 

Name	Value
✓ Default settings	
Notes	Standard
Type	Linear division 
Sample Dimension	500
Default	1:1:1

No.	Description	Linear division
- ↓ ↑ 1		
+ 0	Equal	0



If a condition is clicked in the row, then the corresponding preview is displayed on the right side referring to the defined preview length.



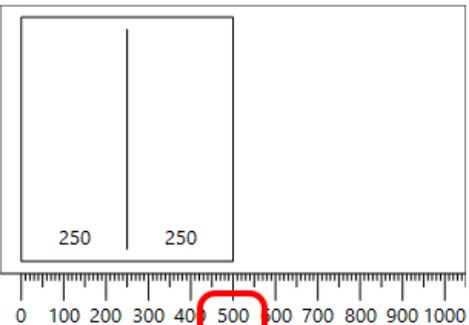
The assigned comparison has no influence on the display!

Descriptor\_New Preview 

Name	Value
✓ Default settings	
Notes	Standard
Type	Linear division 
Sample Dimension	500
Default	1:1:1

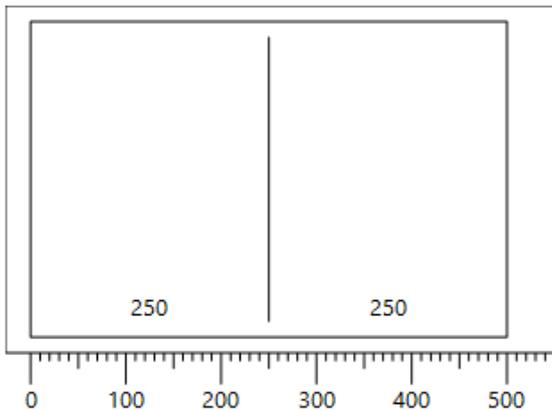
  

No.	Description	Linear division
- ↓ ↑ 1		
+ 0	Equal	0





If the display on the right is too small, then the mouse just has to be clicked as much as possible to the right in the preview and the dimension sample is adjusted.



## 5. Change sequence of the conditions

The **sequence** of the created conditions can still be modified later.

For this purpose, the corresponding row must be clicked and then either click on the arrow above or below so that the row can be moved!

Conditions					Conditions				
No.	Description	Linear division			No.	Description	Linear division		
+ ↓ ↑ 1		40mm:1:1:40mm			+ ↓ ↑ 1		40mm:1:1:40mm		
+ ↓ ↑ 2		40:1:128mm:1:40mm			+ ↓ ↑ 2		40:1:128mm:1:40mm		
+ ↓ ↑ 3		40mm:1:1:1:40mm			+ ↓ ↑ 3		40mm:1:1:1:40mm		
+ ↓ ↑ 4		40mm:1:1:1:1:40mm			+ ↓ ↑ 4		40mm:1:1:1:1:40mm		
+ ↓ ↑ 5		40mm:1:1:1:1:1:40mm			+ ↓ ↑ 4		40mm:1:1:1:1:1:40mm		
					+ ↓ ↑ 5		40mm:1:1:1:1:40mm		

## 6. Example

The set up of a descriptor is described by meand of an example.

A descriptor for a hinge is needed. The following conditions must be observed:

1. For small doors that have a dimension **smaller than 400mm**, **2 hinges** should be used.  
They a **distance of 70mm** to the edge of the door.
2. For a door dimension between **400mm and 900mm** also **2 hinges** are insertd, but with a **distance of 100mm** to the edge of the door.
3. And for door dimension between **900 and 1600mm** **3 hinges** are inserted.  
With a distance of 100mm to the edge of the door.
4. **4 Hinges** are inserted as **Default**.  
With a distance of 100mm to the edge of the door.

Start with the **smallest** dimension!

No.	Description	Linear division
+ ↓ ↑ 1		70mm:1:70mm

First the linear division is defined:  
**70mm:1:70mm**

No.	Description	Linear division
- ↓ ↑ 1		70mm:1:70mm
+ X	▼	Less than ▼ 400

Afterwards a comparison is added that is defined as follows:



It is **not necessary** to enter a **dimension** for the comparison.

No.	Description	Linear division
+ ↓ ↑ 1		70mm:1:70mm
+ ↓ ↑ 2		100mm:1:100mm

Then click on the grey plus behind **Conditions** to add a new condition.

Therefor define a linear division of **100mm:1:100mm**.

No.	Description	Linear division
+ ↓ ↑ 1		70mm:1:70mm
- ↓ ↑ 2		100mm:1:100mm
+ X	▼	Greater than ▼ 400

Define the following **comparison** Afterwards click on the **plus in front of the new comparison**.

+ And X		
+ X	▼	Greater than ▼ 400

Thus, the operator appears. Then click on the plus in front of the operator to add the second comparison.

+ And X		
+ X	▼	Greater than ▼ 400
+ X	▼	Less than or equ: ▼ 900

The second comparison looks as follows:

No.	Description	Linear division
+ ↓ ↑ 1		70mm:1:70mm
+ ↓ ↑ 2		100mm:1:100mm
+ ↓ ↑ 3		100mm:1:1:10mm

Now the third condition has to be defined. So, click on the plus behind **Conditions**.

The linear division has to be **100mm:1:1:10mm**.

-		↓		↑ 3		100mm:1:1:10mm	
+		And		X			
+		X	▼	Greater than	▼	900	
+		X	▼	Less than or equ:	▼	1600	

The comparison has to be same as already described in step 2.

▼ Default settings

Notes	Standard
Type	Linear division ▼
Sample Dimension	500
Default	100mm:1:1:100mm

In the last step the default is defined.

Therefor you have to define a linear division of  
**100mm:1:1:100mm**