



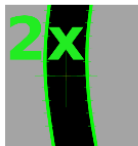
## 3 - S1h SEARCH Gap GREYcontour Circle

### ■ Description

Searches the left and right gap border out of the grey intensity image. The gap is visible as a dark band, either vertically linear or with a bow. This gap has more or less sharp edges.

The rectangle of the ROI (**R**egion **O**f Interest) is cut in small horizontal stripes. In each stripe a left and right gap border position is searched.

### ■ Icon








3 S1h SEARCH Gap GREYcontour Circle

Detect edge position left and right with CircleFit function.

### ■ Parameters

#### Filters of 3 S1h SEARCH Gap GREYcontour Circle

-  01 EliminateOutliers
-  02 CircleFitContour left
-  03 Gap pos circle left
-  12 CircleFitContour right
-  13 Gap pos circle right

#### Attributes of 01 EliminateOutliers



Verbosity level

None

Variance factor

6.000

Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.
Variance factor	Eliminates outliers in the found contour points by comparison with the mean position of all contour points. [Pixel]




**Attributes of**  
**02 CircleFitContour left**


Verbosity level  
None

Minimum radius mm  
8.000

Maximum radius mm  
40.000

Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.
Minimum radius	Minimum necessary radius value to be found when fitting a circle with the given left side gap points. If found value is smaller, then there is no "bow" of the gap, it's considered to be a vertical line. [mm]
Maximum radius	Maximum allowed radius value to be found when fitting a circle with the given left side gap points. If found value is bigger, then there is no "bow" of the gap, it's considered to be a vertical line. [mm]


**Attributes of**  
**03 Gap pos circle left**


Verbosity level  
None

Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.



**Attributes of**  
12 CircleFitContour right

Verbosity level  
None

Minimum radius mm  
8.000

Maximum radius mm  
40.000

Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.
Minimum radius	Minimum necessary radius value to be found when fitting a circle with the given right side gap points. If found value is smaller, then there is no "bow" of the gap, it's considered to be a vertical line. [mm]
Maximum radius	Maximum allowed radius value to be found when fitting a circle with the given right side gap points. If found value is bigger, then there is no "bow" of the gap, it's considered to be a vertical line. [mm]

**Attributes of**  
13 Gap pos circle right

Verbosity level  
None

Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.

#### ■ Measured values for plotter

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■ Subgraphs interface

IN bridges

<div>image</div>	ROI grey
<div>value</div>	NumberSlices ImageSize Contour left / right

OUT bridges

<div>value</div>	Circle pos left / right Is circle
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■ Graph block diagram

