

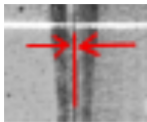


## 5 - S63 CALC Bad Penetration Multiple

### ■ Description

Calculate and classify "bad penetration" – multiple search.

### ■ Icon



5 S63 CALC Bad Penetration Multiple  
Calculate Bad penetration -

### ■ Parameters

Filters of  
5 S63 CALC Bad Penetration Multiple



01 Poor Penetration Multiple



02 PoorPenChecker Multi

Verbosity level  
 None

Overlay display Scalar  
 0 (2)

Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.
Overlay display	Additional overlays (when "Verbosity level" is "Low" or bigger): 0 No overlay. 1 Yellow lines mark the found intensity minimas in the ROI. 2 Red lines mark the found minimas which are used to check for "Bad Penetration". 3 Red lines mark the found connected minimas which are used to check for "Bad Penetration".

Verbosity level  
 None

Min. Length  
 200

Max. gap greyval  
 120

Min. Greyval Ratio 1/10  
 7

Max. Std. Deviation  
 35

Max. Dev. Length Length  
 1'000

Parameter	Comment
Verbosity level	Selection of verbosity level. Larger verbosity levels offer more overlay information.
Min. Length	The minimum length gives a geometry mass of a bad penetration to be detected. [Pixel]
Max. gap greyval	The parameter value gap greyval has not to be reached for a bad penetration. A bigger value implies that it's not a real gap. [Greylevel]



Min. Greyval Ratio	The parameter min ratio (= intensity gap / intensity blank) expects that in a gap the intensity is clearly lower than outside on the blank. [ 1 / 10 <sup>th</sup> ]
Min. Std. Deviation	The Standard deviation of the positions from the left and right gradients should be small for a bad penetration. If the positions jump left and right the standard deviation is getting big and therefore the probability for a real bad penetration is getting small. [Pixel]
Max. Dev. Length	With the "Developed length" the way through the left and right gradient positions are measured. For that the distances from one gradient point to the next are calculated. If the points are all one over the other the length of the way is getting short. But if they jump from left to right the distance is getting long. The parameter gives the maximum sum for both sides. For a bad penetration this sum has not to be exceeded.

#### ■ Measured values for plotter

726		Bad Penetration Multi
-----	--	-----------------------

#### ■ Subgraphs interface

IN bridges

OUT bridges

image	ROI penMulti		
value	ROI grey valid		

#### ■ Graph block diagram

