


SEIFERT

Exposure Calculator

Automatic Pre-Calculation of the Exposure Time
with Radiography

Exposure Calculator

 **Waygate
Technologies**
a Baker Hughes business

Inspection order

Testing class: **A**

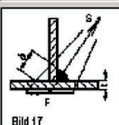
Material: **steel**

Outside diameter [mm]: **0,00**

Nominal thickness [mm]: **12,00**

Density (nominal): **2,30**


Type of joint: **Fillet weld**

Image: 
Bild 17

Change image

acc. to EN 1435

Max. tube voltage [kV]: **200**
Acceptable isotope: **Yb 169 Se 75 (Ir 192)**
Distance fmin. [mm]: **118**

Image quality value: **12** 
Minimum of exposures Ik: **0**
Min. density: **2,0**
Film system class: **C5**
Front screen: **Pb 0,02 to 0,15 mm**
Back screen: **Pb 0,02 to 0,15 mm**
Step no.: **7**

Equipment parameters

Radiation Source : **ERESCO 42MF**

Focal spot size: **3,00** [mm]

Tube current: [mA] **4,5**

Tube voltage [keV] **200**


Film **D4**

Film class **C3**

Intensifying screens **Pb 0.02** [mm]



Distance (b): **12,00** [mm]

Film-focus-distance: **500** [mm]

 **Calculate**

Exposure value: **1.6 mA min**

Exposure time: **0 min 21 sec**

 Evaluation acc. to Exposure Calculator  Output of the reports

Technical Data

Exposure Calculator

The exposure calculation program is a comprehensive tool to quickly determine exposure settings for film applications. It inherits the basic rules of the EN1435 as a recommendation and guideline for weld examinations with X-ray.

This way a better inspection setup with more security and reproducibility can get achieved.

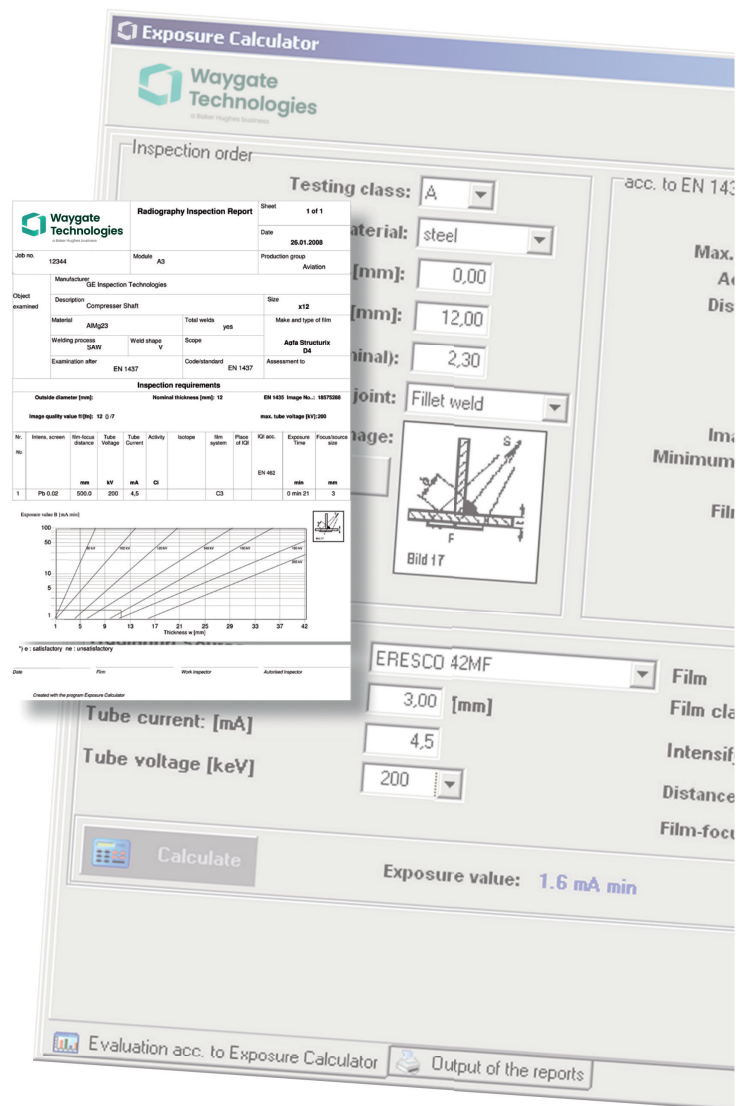
Reporting tools help to document the procedures and setups of the inspection, and can be used to distribute and archive setups and results.

The tool comes with an editable database to ensure that also individual conditions and different film classes can get adjusted for the calculation. All steel exposure values for Waygate Technologies or SEIFERT tubes are preset, other tubes and values for Titanium, Aluminum and Copper, can be added individually.

The product is available on CD. The Product Manual and operation guide can be found in the help section of the program. The program is available in english and german language.

Systemanforderungen

- Industrial Standard PC
- Pentium III P3-500 MHz or higher
- 128 MB free RAM
- 100 MB free harddisk space
- Windows 2000/NT 4.0 or Windows 95/98/ME/XP/Vista



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