

European notified Authority  
Ident.-No. 0393

Deutsche Gesetzliche  
Unfallversicherung



**Certificate**  
No. MHHW 02 064  
Date of Issue: Febr. 2, 2010

Fachausschuss Maschinenbau, Hebezeuge, Hütten-  
und Walzwerksanlagen  
Prüf- und Zertifizierungsstelle im BG-PRÜFZERT

## BG-Certificate

**Translation**  
**for Information only**  
(Please use only in connection with  
document officially issued by BG)

**Name and Address of  
Certificate Holder:  
(Applicant)**

**ROSS EUROPA GmbH**  
Robert-Bosch-Strasse 2  
63225 Langen

**Name and Address of  
Manufacturer:**

- see above -

**Product Designation:**

**5/2-Way Double Valve**

**Type:**

**CM CROSSMIRROR 7776A3400 • CM CROSSMIRROR 7776A3401  
CM CROSSMIRROR 7776A4400 • CM CROSSMIRROR 7776A4401**

**Due Application  
Testing Basis:**

Controlling movements of pneumatic drives  
• Principles for testing and certifying presses (GS-MHHW-01), Issue 08.2007  
• DIN EN 692:2009 „Machine tools - Mechanical presses - Safety“;  
• DIN EN ISO 13849-1:2008 „Safety of machinery - Safety-related parts of  
control systems - **Part 1**: General principles for design“;  
• DIN EN ISO 13849-2:2008 „Safety of machinery - Safety-related parts of  
control systems - **Part 2**: Validation“.

**Relevant Test Report:**

No. 085/2009, dated March 8, 2010

**Remarks:**

- In a due application, with regard to safety function „Prevention of an unexpected cycle start (pressure buildup in a pressure chamber“), Performance Level „e“ acc.to DIN EN ISO 13849-1 is achieved.
- Installation according to manufacturer's instructions and requirements of the relevant standards.
- Pneumatic piping must be in accordance with the results of a risk assessment.
- To prevent dangerous situations in case of an energy shut-down or an energy failure, the installation of additional devices may be necessary.
- Silencers used must be designed in such a way that they do not interfere with the proper operation of the valve.
- The counter-movement must be non-hazardous.

**• Prolongation of Certificate-Number 02 063 (dated Sept. 1, 2004)  
and Certificate-Number 02 064 (dated September 10, 2002)**

The tested type sample is in accordance with the requirements stated in § 4 paragraph 1 of GPSG (Equipment and Product Safety Act). The tested type sample is in accordance with the relevant Directive 2006/42/EC (**Machinery**).

The holder of this Certificate is authorized to attach the BG-Mark (as illustrated on page 2 of the German-language original Certificate) to those products being in accordance with the tested type sample (if applicable with addition as mentioned under „Remark“).

This Certificate will expire on

**February 2, 2014**

at the latest.

Further details regarding validity, prolongation of validity and other conditions are laid down in the Testing and Certification Rules of September 2008.

**Stamp & Signature of BG**

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