

Better performance comes  
from working together.

Feb. 28, 2011



**HYDRAFORCE**  
**POWER FORWARD**

Page 1 of 1

## **ISO13849, Safety of Machinery**

### **Safety-related parts of control systems**

Cartridge valves from HydraForce are designed and manufactured in compliance with basic and well-tried safety principles according to ISO13849 Part 2 per Annex C. In the various sections of our literature, HydraForce establishes the basic principles (i.e. ratings, operation, materials, etc.) which must be observed by the equipment designers and users of this equipment.

Given compliance per above, HydraForce can give an MTTFd = 150 years for Hydraulic Components per ISO 13849 Part 1 Table C.1.

**For questions regarding HydraForce products or product availability, please contact your HydraForce representative, one of our authorized business partners, or e-mail us from our website at [www.hydraforce.com](http://www.hydraforce.com).**

**For detailed information and specifications, visit [www.hydraforce.com](http://www.hydraforce.com) or contact your local HydraForce representative at [www.hydraforce.com/distrib/world.htm](http://www.hydraforce.com/distrib/world.htm)**

#### **HYDRAFORCE, INC.**

500 Barclay Blvd. • Lincolnshire, IL 60069 USA  
Ph: +1 847 793 2300 • Fx: +1 847 793 0086  
Web: [www.hydraforce.com](http://www.hydraforce.com) • E-Mail: [sales@hydraforce.com](mailto:sales@hydraforce.com)  
ISO 9001 & QS 9000 • Member: National Fluid Power Association

#### **HYDRAFORCE HYDRAULICS, LTD.** Advanced Manufacturing Hub

250 Aston Hall Road • Birmingham B6 7FE • United Kingdom  
Ph: +44 121 333 1800 • Fx: +44 121 333 1810  
Web: [www.hydraforce.com](http://www.hydraforce.com) • E-Mail: [sales-uk@hydraforce.com](mailto:sales-uk@hydraforce.com)  
Member: British Fluid Power Association and  
Verband Deutscher Maschinen-und Anlagenbau e.V. (VDMA)  
ISO 9001 & ISO 14001

#### **HYDRAFORCE HYDRAULIC SYSTEMS (CHANGZHOU) CO., LTD.**

388 W. Huanghe Road • Building 15A  
GDH Changzhou Airport Indl Park  
Xinbei District • Changzhou, China 213022  
Ph: +86 519 6988 1200 • Fx: +86 519 6988 1205  
Web: [www.hydraforce.com](http://www.hydraforce.com) • E-Mail: [sales@hydraforce.com](mailto:sales@hydraforce.com)  
ISO 9001:2008



**HYDRAFORCE**  
**POWER FORWARD**