



# THE FASTENER ENGINEERING AND RESEARCH ASSOCIATION

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## **FERA SEMINAR – WEDNESDAY 22 NOVEMBER 2006**

National Metalforming Centre - 9.30am [Registration 9.00-9.30am]

The Fastener Engineering Research Association will be holding a seminar on topics that have relevance to Members and invited guests. On this occasion we shall focus on subjects that have interests within the membership and to bring to the attention of specifiers and designers, new progressive products and aspects of fastener technology.

### **REUSE OF ELECTRO-ZINC-PLATED NUTS AND BOLTS**

Tightening to specific torque values is the most popular means of controlling the tightening process to allow sufficient control to be placed upon the clamp force in application. When applicable, some applications and assemblies require maintenance. Bill Eccles of Bolt Science Limited will present a case study on the reuse aspects of fastener effectiveness and the options available.

### **PRODUCT FOCUS: LINDAPTER INTERNATIONAL – STEEL CONNECTIONS**

Within the wide spectrum of product selection, the specifier and designer has a multitude of choices. In this connotation we bring to your notice the Lindapter Company who have a specialist range of product options covering a customised range. Their versatility underlines the market position which is mainly structural engineering and overall building products. For those members who are interested in new products, particularly wind turbine applications the Lindapter range may have some important and useful aspects that are diverse enough to use in this market segment.

### **ESTIMATING THE DIAMETER RANGE OF BOLTS TO TABLE 7 IN VDI - 2230**

VDI223 is the general accepted standard guide for the systematic calculation of high duty bolted joints. In many cases the specifier is confronted with various options when calculating joint performance and the overall accreditation required for applications. Dr John Newnham PhD, C.Eng has been instrumental in the use of VDI223 and we have invited him to enlighten us on estimating the diameter range of bolts as indicated in table 7 of VDI223.

**£££: FERA/CBM members & members' guests £25+VAT**  
**Non members £50+VAT**

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## FERA Seminar

**Date:** Wednesday 22 November 2006

**Time:** 9.30am – 1.00pm

**Venue:** National Metalforming Centre

**£££:** FERA/CBM Members & members' guests  
£25 + vat inc lunch

**Non members £50 + vat inc lunch**

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