



## HARDBANDING RE-APPLICATION COSTS

Hardbanding Costs are Dramatically Reduced with Tuffband<sup>®</sup> NC and Duraband<sup>®</sup> NC

The cost of hardband re-application can be very expensive if the previous hardband must be removed before re-application can precede. As the chart below shows - close to 80% of the total cost of the re-application is dominated by previous hardbanding removal, the application of mild steel as a buildup, and subsequent machining of the mild steel to prepare the tool joint for the application of the hardband.

Duraband<sup>®</sup> NC or Tuffband<sup>®</sup> NC can substantially reduce the cost of re-application since they can be applied over some previous hardbandings, without the need for removal, providing that proper inspection procedures have been carried out. However, there are certain ones that they cannot go over. If this is the case, then a complete re-application is required, which includes previous hardband removal, mild steel build up and machining. It should be noted that once this procedure has been completed, any subsequent reapplication of Duraband<sup>®</sup> NC or Tuffband<sup>®</sup> NC should not include removal of the hardbanding and any associated procedures.

### The Relative Cost of Worn Hardbanding Removal & Application of Duraband<sup>®</sup> NC or Tuffband<sup>®</sup> NC

