

ENGINEER TO ORDER

SPECIAL PROJECT INFORMATION SHEET



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| Project Description | Nose extension / reaction for PTM-92-4000 | | |
| Date created | 30 July 2015 | Project Number | Q3336 |

INTRODUCTION & APPLICATION

Railway industry requirement to torque tighten / untighten railway carriage intermediate couplers, where access and visibility is restricted. Existing method using PTM-92-4000 with standard reaction was deemed unsafe, being a finger / hand trap hazard, and an ETO solution was requested.



Original unsafe application

SOLUTION

Special 12" Nose extension with splined reaction nose, fitted with a high strength aluminium cranked reaction that locates adjacent bolt head via 50mm A.F slot. 22mm A/F hexagon drive and adaptor.



TECHNICAL SPECIFICATION / DATA HIGHLIGHTS

Tightening 4-off M30 x 100 capscrews with 22mm A/F female hex. to 1,600 N.m & Loctite 243 applied.
Un-tightening up to 3,000 N.m maximum torque.