

PIVOT PINS

Material:- Plain medium carbon steel.

0.35 C, 0.1-0.35 Si, 0.5 Mn, 0.9-1.5 Cr, 0.2-0.4 Mo
hardened and tempered.

These Pins are used in the pivot hinges on the arms of excavating vehicles, originally manufactured from medium carbon and alloy steels, some being induction hardened, but, all sheradised (zinc hot dip coating).

The pin to the hinge is an interference fit and then the chosen method of surface finish, due to poor dimensional control, was creating difficulties during assembly. A Nitrotec treatment produced dimensional control and improved corrosion resistance.

