

Ease and expedience – designing to save time

6

Handling points

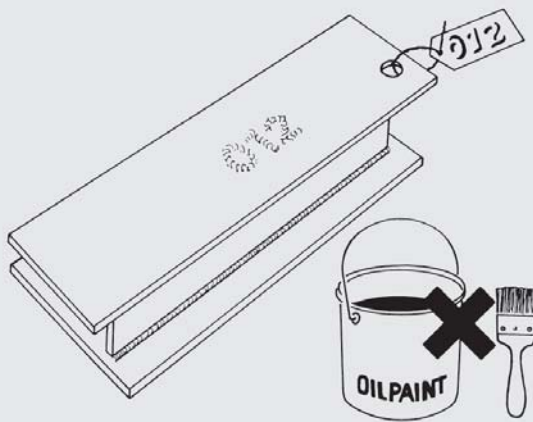
Parts may require suspension holes if there is no convenient point to attach a jig or hook. No special requirements apply if the work can be handled by chains, baskets, tongs or racks. The Perry Metal Protection galvanizer can advise you of the provision best suited to the handling equipment available.

Large pipe sections, open top tanks and similar structures may require cross stays to maintain the shape of the article during handling and galvanizing.

Identification marking

For temporary identification, water-soluble paints or markings are recommended. Oil-based paints should not be used as they must be removed manually before galvanizing. For temporary identification, use heavily embossed metal tags wired to the work.

For permanent identification, intended to remain legible after galvanizing, the fabricator should provide heavily punched or embossed figures either on the work or on steel (not aluminium) tags wired to the work.



Inspection – what to check for

Fabricated assemblies, castings and other components for galvanizing should be inspected before despatch to the galvanizer to ensure that the following points conform to design requirements. This avoids costly rectification and delays.

Size and shape

Check that work is suitably sized and dimensioned for the handling and galvanizing facilities of the specific Perry Metal Protection galvanizing plant to be used. It may be too late to make changes to the design, and it is costly to dispatch work that cannot be processed.

Structural steel

Check that bending, punching and shearing have been carried out in conformity with the recommendations of Perry Metal Protection.

Satisfactory galvanizing

Following the points listed below and the various guidelines and specifications provided will ensure optimum galvanized product quality and minimise extra costs or delays:

- Check that closed vessels and hollow structures are vented for safety and satisfactory galvanizing
- Check that welding slags have been removed
- Check that assemblies comprising castings and steels of widely differing surface conditions have been abrasive blast cleaned to minimise differences in galvanized finish
- Check that castings are abrasive blast cleaned before dispatch unless otherwise arranged
- Check that large grey iron castings have been normalised
- Check that appropriate temporary or permanent markings are provided.



TALKING TECHNICAL

Design, specification and inspection of galvanized products

To ensure consistently good galvanized steel products, it is essential that the basic requirements outlined in these guides are incorporated at the design and fabrication stages of production.

These technical guides are designed to be introductory only. All design features should be discussed with a member of our advisory team. Close liaison between the design engineer, materials engineer, specifier, fabricator and galvanizer will ensure the highest galvanizing standards. Perry Metal Protection also distributes a free wallchart and a summary booklet.



Perry Metal Protection is a member of the Galvanizing Association of New Zealand, Galvanizers Association of Australia and is ISO9001 certified.

0800 508 506

For advice on service, quotations and technical knowledge on hot dip galvanizing, contact your local Perry Metal Protection site:

Hamilton 14 Manchester Place, Te Rapa 07 850 0120

Auckland 14 Timothy Place, Rosebank 09 820 8471

Tauranga 119 Oropi Rd, Greerton 07 541 1344

Wellington 129 Hutt Park Rd, Gracefield 04 568 4139

Christchurch 5 Chinook Place, Hornby 03 349 0290

Alternatively, visit our website www.perrymetalprotection.co.nz or email enquiry@perry.co.nz