



**NORTHERN PRECISION LTD
SPECIALIST FASTENERS**



Northern Precision Ltd is
ISO 9001:2008 Registered

✓ Quality ✓ Service ✓ Reliability

3rd April 2006

RoHS / WEEE / ELV European Directives

GENERAL STATEMENT OF COMPLIANCE

The European Union's directives on the "Restriction of Hazardous Substances" (RoHS), "Waste Electrical and Electronic Equipment" (WEEE) and the "End of Life Vehicles" (ELV) was originally published in 2003.

It controls the use of specified hazardous substances in electronic and electrical equipment from 1st July 2006 and vehicles sold in Europe from 1st July 2007.

For the purposes of the RoHS regulations, a maximum concentration value of up to 0.1% by weight in homogenous materials for Lead*, Mercury, Hexavalent Chromium, PPB and PBDE and up to 0.01% by weight in homogenous materials for Cadmium will be permitted in the manufacture of new EEE. These values were established through the adoption of a Commission Decision on the 18th August 2005 but may be subject to change in the future.

* Lead - Exceptions: An annex of the Directive currently allows up to 0.35% for lead when used as an alloying agent. NPL uses leaded Steel (En1a Pb / 230M07 Pb) bar stock in the manufacture of most steel turned fasteners and components and is within RoHS limits.

Homogeneous material means a material that cannot be mechanically disjoined into different materials. The term homogeneous is understood as "of uniform composition throughout" so examples of homogeneous materials would be individual types of plastics, ceramics, glass, metals, alloys, paper, board, resins and coatings.

NPL is a producer of fasteners for use in the sheet metal fabrication, automotive and electronics industries and is committed to complying with the RoHS, WEEE and ELV directives and to fully support its customers in their compliance.

NPL does not use mercury, polybrominated biphenyls or polybrominated diphenyl ethers in, or as a surface coating for any of its products.

From 1/1/2005 we have been replacing all plating processes that involved Hexavalent Chromium with a RoHS compliant Cr3 (Trivalent) process for all Standard Self Clinching Fasteners and Rivet Bush products.

THE FOLLOWING OUTLINES WHICH PRODUCTS ARE / ARE NOT COMPLIANT

All Steel Parts supplied unplated with a part number suffix X or GX are RoHS Compliant.

All Steel Zinc Plated Self Clinching Fasteners and Rivet Bushes with a part suffix ZI, GZ, ZC* or GC* are RoHS Compliant with Cr3 (Trivalent) platings.

*ZC and GC plating (special order only) - These finishes were originally supplied as Zinc with a Yellow/Gold Hexavalent Chromium Conversion. This provided 96 hours resistance to white corrosion and 150 hours resistance to red rust forming in an accelerated salt spray corrosion test (5% Salt Spray).



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Our alternative Trivalent based ZC and GC platings provide similar performance but are a very light yellow colour which is close in appearance to a bright zinc plated part. Where corrosion resistance is an issue, please contact our technical sales department for clarification. We can offer other RoHS compliant platings that provide up to 360 hours salt spray resistance to white corrosion and 600 hours to red rust if necessary.

Some Self Clinching fasteners that have a locking feature have a dry film lubricant applied. Those part numbers with a suffix of EF, ZF or F are not RoHS compliant because the dry film lubricant contains Cadmium and Lead. An alternative Molybdenum dry film lubricant is available (part suffix MD) which is RoHS compliant. Please specify when enquiring or placing an order. From 1/1/2006 all newly manufactured parts will have an MD finish as standard.

All Sheetnuts (Rivnuts) with a part number suffix of ZC - We are in the process of reducing our stocks of non compliant product and replacing with a Cr3 (Trivalent) plated product. All parts supplied with a Yellow/Gold finish are not RoHS compliant; parts supplied with a Silver finish are RoHS compliant and offer the same if not superior corrosion protection. Please specify during enquiry or at time of order if you require RoHS compliant parts.

All Cagenuts manufactured after 1st January 2006 are RoHS compliant. We are in the process of reducing our old stocks of non compliant product and replacing with a Cr3 (Trivalent) plated product - Please specify during enquiry or at time of order if you require RoHS compliant parts.

All Steel Zinc Plated Parts with a part number suffix ZC6 or GC6 are not RoHS compliant as they have Cr6 (Hexavalent) based finishes.

All Stainless Steel parts with a part number suffix A2, A4, 400 or GS are RoHS Compliant.

All Aluminium parts with a part number suffix AL or GA are RoHS compliant.

All Brass parts with a part number suffix GB or B are RoHS compliant.

All Phosphor Bronze parts are RoHS compliant.

All part numbers with an ET suffix (Electro Tin) are RoHS compliant.

FUTURE COMPLIANCE

We will continue to monitor the situation regarding RoHS, WEEE and ELV to ensure that we are able to support our customers with compliant products into the future.

For any help or enquiry into the compliance of any of our products please contact our technical sales department.

A. Mortlock
Director



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