

MK002 MARKING REQUIREMENTS

THE FOLLOWING INFORMATION IS TO BE PERMANENTLY MARKED ON EACH PIECE/ITEM. WHERE THE SIZE, SHAPE, TYPE OR CONDITION OF THE PIECE/ITEM PRECLUDES THE APPLICATION OF THE REQUIRED MARKING, THE INFORMATION SHALL BE APPLIED IN THE ORDER LISTED BELOW. ANY REMAINING PERMANENT MARKING REQUIREMENTS MUST BE TEMPORARILY MARKED (TAGGED) ON THE PIECE/ITEM -OR- PACKAGE/BUNDLE.

1. MATERIAL CODES- THE APPROPRIATE CODE(S), IF NOT FOUND ELSEWHERE IN THIS PO, SHALL BE ACCESSED AT [HTTP://WWW.NN.NORTHROPGRUMMAN.COM/SOURCING/INDEX.STM](http://www.nn.northropgrumman.com/sourcing/index.stm) (PO PERMANENT MARKING MATERIAL CODES). THESE CODES MUST BE USED IN LIEU OF ANY OTHER MATERIAL CODES, GENERIC OR INDUSTRY, INCLUDING MATERIAL CODES WHICH MAY BE REQUIRED BY INDIVIDUAL MATERIAL SPECIFICATIONS.

IF THERE IS NO MATERIAL CODE LISTED FOR THE FINISHED PRODUCT SPECIFICATION AND THE FINISHED PRODUCT SPECIFICATION (MILITARY SPECIFICATION, DRAWING, ETC.) DOES NOT ALTER THE MECHANICAL PROPERTIES, USE THE MATERIAL CODE FOR THE BASE MATERIAL SPECIFICATION.

IF THERE IS NO MATERIAL CODE LISTED FOR THE FINISHED PRODUCT SPECIFICATION AND THE FINISHED PRODUCT SPECIFICATION DOES ALTER THE MECHANICAL PROPERTIES (BY HEAT TREATMENT, COLD FORMING, ETC.) SUBMIT A "VENDOR INFORMATION REQUEST" FOR THE APPROPRIATE MATERIAL CODE.

IF THERE IS NO MATERIAL CODE LISTED FOR FASTENERS OR FILLER METAL, OBTAIN THE MATERIAL CODE FROM THE FASTENER OR FILLER METAL SPECIFICATION, AS APPLICABLE. IF THERE IS NO CODE LISTED IN THE FASTENER/FILLER METAL SPECIFICATION, SUBMIT A "VENDOR INFORMATION REQUEST" FOR THE APPROPRIATE MATERIAL CODE.

2. TRACEBACK ID- MUST BE A MARKING THAT PROVIDES TRACEABILITY TO UNIQUE OBJECTIVE QUALITY EVIDENCE OF THE PIECE OF MATERIAL INCLUDING LOT, HEAT, MELT OR BATCH AND ALL MANUFACTURING TEST AND INSPECTION INFORMATION TRACEBACK ID MUST CORRELATE TO THE CERTIFICATION DOCUMENTATION. WHEN THE

PROCUREMENT SPECIFICATION REQUIRES CHEMICAL/
MECHANICAL TESTING OR VISUAL/DIMENSIONAL
INSPECTION AND DOES NOT DEFINE A LOT, THE
FOLLOWING SHALL APPLY:

- A. FOR CHEMICAL ANALYSIS, THE MATERIAL
MUST BE THE SAME HEAT. HEAT IS DEFINED
AS "THE METALLIC OUTPUT OF ONE FURNACE
CHARGE". FOR MATERIAL PRODUCED BY THE
CONTINUOUS CASTING PROCESS, IF THE
SPECIFICATION DOES NOT PRESCRIBE SPECIFIC
TRACEBACK ID REQUIREMENTS, THE
TRACEBACK ID MUST BE A DESIGNATOR THAT
WILL PROVIDE TRACEABILITY TO OBJECTIVE
QUALITY EVIDENCE WHICH IS REPRESENTATIVE
OF THE MATERIAL FURNISHED TO NNS.
 - B. FOR DETERMINATION OF MECHANICAL PROPER-
TIES, THE MATERIAL MUST BE OF THE SAME
HEAT AND HEAT TREATED, WHEN APPLICABLE,
IN THE SAME BATCH OR CONTINUOUS HEAT
TREATMENT PROCESS.
 - C. FOR VISUAL AND DIMENSIONAL INSPECTION,
A LOT CONSISTS OF ALL ITEMS HAVING
COMMON PHYSICAL CHARACTERISTICS (I.E.,
PRESSURE RATING, DRAWING FIGURE NUMBER,
ETC.).
3. MANUFACTURER'S ID- MUST BE A MARKING THAT
REPRESENTS THE MANUFACTURER'S COMPANY
NAME, TRADE NAME OR TRADE SYMBOL NUMBER.

THE FOLLOWING INFORMATION IS TO BE
TEMPORARILY MARKED ON EACH PIECE/ITEM - OR -
PACKAGE/BUNDLE:

4. PURCHASE ORDER ID- MUST BE A MARKING THAT
IDENTIFIES THE NNS PURCHASE ORDER AND
PURCHASE ORDER ITEM NUMBER(S) OF THE MATERIAL
INVOLVED.