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| NOTICE OF INACTIVATION FOR NEW DESIGN |
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| INCH-POUND |
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MIL-S-81591
NOTICE 1
23 February 1993

MILITARY SPECIFICATION
STEEL, INVESTMENT CASTINGS
CARBON AND CORROSION RESISTING

MIL-S-81591 is inactive for new design. New designs should use the following non-government standards as shown below. The non-government standards are listed for information only and are suggested alternatives since some of the chemical compositions of the non-government standards may not exactly match those of MIL-S-81591. It is therefore up to the design activity to determine the suitability of any alloy to be used in new designs. Design activities that desire any additional testing requirements not contained in the replacement non-government standards should specify those requirements on the casting drawing, purchase order, or contract.

| MIL-S-81591 Composition | Non-government Standards |
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| IC-1020 | ASTM A732, Grade 1A |
| IC-1030 | ASTM A732, Grade 2A, 2Q |
| IC-1040 | ASTM A732, Grade 3A, 3Q |
| IC-1050 | ASTM A732, Grade 4A, 4Q |
| IC-302 | ASTM A743, Grade CF-20 |
| IC-303 | AMS 5341 |
| IC-304 | AMS 5358 |
| IC-304L | AMS 5370 |
| IC-310 | AMS 5366 |
| IC-316 | AMS 5360 |
| IC-321 | No replacement |
| IC-347 | AMS 5364 |
| IC-410 | AMS 5350 |
| IC-416 | AMS 5349 |
| IC-420 | ASTM A743, Grade CA-40 |
| IC-431 | AMS 5353 |
| IC-440A | No replacement |
| IC-440C | AMS 5352 |
| IC-17-4 | AMS 5355 Sol'n treated AMS 5344 Sol'n treated and aged (180 ksi) |

(Application for copies of SAE Aerospace Material Specifications should be addressed to the Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA 15096-0001)

(Application for copies of ASTM standards should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103-1187)

Preparing Activity:
Navy - AS

(Project MECA-0497)

AMSC N/A

AREA MECA

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