

3.6.2 Mechanical Tubing

In accordance with AMS2243.

3.7 Production, distribution, and procurement of metal stock shall comply with AS6279. After production and certification to the specified requirements, cutting in a plane perpendicular to the short transverse dimension is permitted.

3.8 Exceptions

Any exception shall be authorized by purchaser and reported as in 4.4.7.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for Inspection

The producer of the product shall supply all samples for producer's tests and shall be responsible for the performance of all required tests. Purchaser reserves the right to sample and to perform any confirmatory testing deemed necessary to ensure that the product conforms to specified requirements.

4.2 Classification of Tests

4.2.1 Acceptance Tests

The following requirements are acceptance tests and shall be performed on each heat or lot as applicable:

4.2.1.1 Composition (3.1) and macrostructure (3.4.1) of each heat.

4.2.1.2 Hardness (Table 2) of each lot of bars, wire, forgings, mechanical tubing, and flash welded rings as solution heat treated.

4.2.1.3 Mechanical properties (Table 2) of each lot of bars, wire, forgings, mechanical tubing, and flash welded rings after precipitation heat treatment to the specified condition (3.4.3.2).

4.2.1.4 Tolerances (3.6) of bars, wire, and mechanical tubing.

4.2.2 Periodic Tests

Microstructure (3.4.2), the ability of forging stock (3.4.3.2.2) to develop required properties, the ability of other products to develop required properties in conditions other than that tested in accordance with 3.4.3.2, and grain flow of die forgings (3.5.1) are periodic tests and shall be performed at a frequency selected by the producer unless frequency of testing is specified by purchaser.

4.3 Sampling and Testing

Shall be as follows:

4.3.1 Bars, Wire, Mechanical Tubing, Flash Welded Rings, and Stock for Forging, Flash Welded Rings, or Heading

In accordance with AMS2371.

4.3.2 Forgings

In accordance with AMS2374.

4.3.3 Stock for Forging, Flash Welded Rings, or Extruding

As ordered by the forging, flash welded ring, or extrusion manufacturer.