



SURFACE VEHICLE RECOMMENDED PRACTICE

J230™

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Stainless Steel, SAE 30302, Spring Wire and Springs

RATIONALE

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Documents

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1. Scope—This SAE Recommended Practice covers a high-strength corrosion-resisting steel wire, uniform in mechanical properties, intended for the manufacture of springs and wire forms. It also covers processing requirements of springs and forms fabricated from this wire.

2. References

2.1 Applicable Publications—The following publications form a part of the specification to the extent specified herein.

2.1.1 ASTM PUBLICATIONS—Available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

ASTM A 313—Specification for Chromium-Nickel Stainless and Heat-Resisting Steel Spring Wire

ASTM A 555—Specification for General Requirements for Stainless and Heat-Resisting Steel Wire and Wire Rods

ASTM A 555M—Specification for General Requirements for Stainless and Heat-Resisting Steel Wire and Wire Rods (Metric)

3. Wire

3.1 The wire shall conform to ASTM A 313 Type 302 Class 1 and ASTM A 555/A 555M.

3.2 Welds—Each unit shall be a continuous length with welds being permitted before final drawing. Welds are not permitted at finished size except by negotiation between manufacturer and user.

3.3 Surface Condition—Surface of the wire shall be free from injurious imperfections, such as seams, pits, die scratches, and other defects which will impair the serviceability of the part. (Visually examine at 10X magnification.)