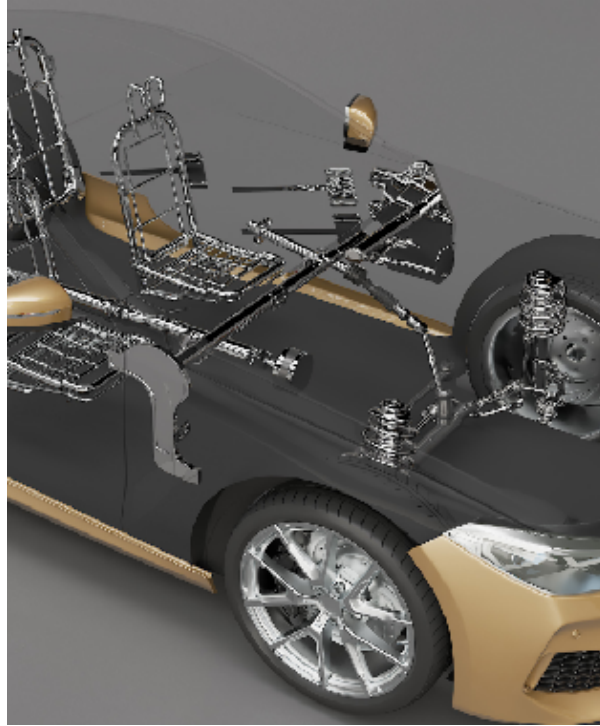


## General Info



<b>ID</b>	#14
<b>Product Name</b>	Automotive Tubes
<b>Slogan</b>	With the quality and dedication to meet the needs of our business partners in the best way
<b>Description</b>	Borusan Mannesmann is a highly recognized manufacturer for its product and service quality in the automotive industry.
<b>Category</b>	Automotive and Industrial Applications

## Product Info

About

Our plants, one in Vobarno-Italy, one in Gemlik-Türkiye, and one in Halkalı-Türkiye, specialize in producing value-added precision tubes that are used in crucial parts of vehicles.

Working together, our sales, quality, and design teams manage all kinds of technical and schematic inquiries and responses to our customers with custom-made solutions.

Products are commonly used in passenger cars, light and heavy commercial vehicles traveling globally.

### Production Standards

- Welded Cold Sized Tubes : EN 10305-3
- Welded Cold Drawn Tubes : EN 10305-2
- Welded Cold Sized Square and Rectangular Tubes : EN 10305-5

Note: Other standards such as ASTM A513, JIS G 3445 etc. upon request

### Steel Grades

- Structural Steels : S235, S275, S355
- DQ Steels : DC01, DC03, DC04
- HSLA Steels : HC260LA, HC300LA, HC340LA, HC380LA, HC420LA S315MC, S355MC, S420MC, S460MC, S500MC, S550MC, S600MC, S700MC
- Dual Phase Steels : DP500, DP600, DP800, DP1000
- Heat Treatable Steels : 20MnB5, 22MnB5, 26MnB5, 30MnB5, 34MnB5
- Coated (Galvanized, aluminized) Steels : DX51, DX52, DX53, S220, S350, DX54, HX300LAD, HX340LAD

Note: Other grades upon request

### Tests & Inspections

- **Visual Examination**
- **Dimensional Inspection**
- **Metallographic Inspection**
- **Tensile Test**
- **Drift Expanding / Flaring Test**
- **Flattening Test**
- **Hardness Testing (HV, HRB, HRC)**
- **Ultrasonic Testing**
- **Flanging Test**
- **Chemical Analysis**
- **Eddy Current Testing**
- **Surface Roughness Measurement**

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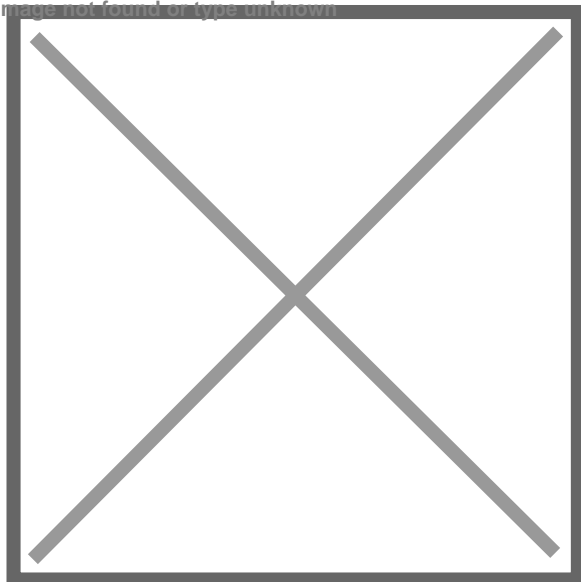
### **Inspection Documents**

- **MTC (Mill Test Certificates) acc. to EN 10204 3.1; 2.2**

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### **Welded Cold Sized Tubes for Precision Applications**

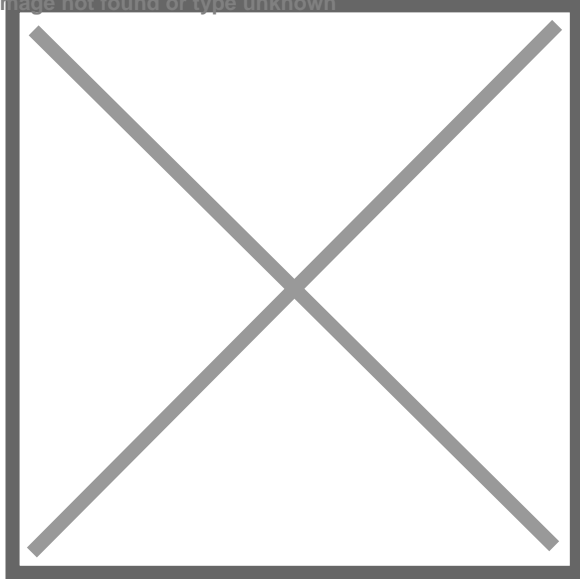
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### **Welded Cold Drawn Tubes for Precision Applications**

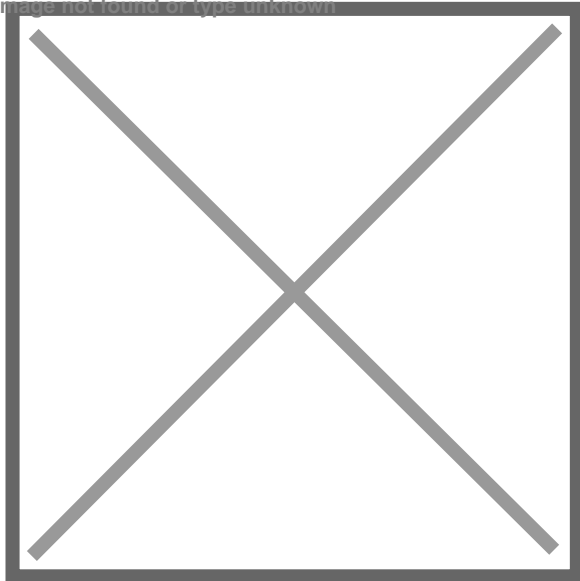
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### **ASTM A 513 Mechanical Tubing (Type V-VI)**

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### **Welded Hollow Sections for Precision Applications (EN 10305-5)**

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