

1. Area of application

This standard applies to the work Thomas magnets GmbH.

2. Description

Specification of the requirements for material made of steel and iron regarding their Properties.

This company standard is applicable to the purchase of steel and iron products. It is applicable to the purchase of these products by the sub-suppliers of Thomas.

This company standard should be used as an enclosure to the system specifications for raw material purchase and must be used as the basis for the formulation of Q characteristics lists.

Quoted standards

See the table 2.1.1

2.1 Terms

2.1.1 Properties / Dimensions

The contractor or supplier guarantees the properties specified in the following table at the time of delivery. The dimensions must be specified in accordance with DIN EN 10278.

Material	Material no.	Properties according to DIN	Special properties / treatments
11SMn 30 + SH	1.0715 + SH	EN 10087	bright rolled
11SMn 30 + C	1.0715 + C	EN 10087	cold drawn
11SMn 30 + C + A – max. 140 HB	1.0715 + C + A	EN 10087	cold-drawn and annealed - max. Brinell hardness HB-140
11SMn Pb 30 + SH	1.0718 + SH	EN 10087	bright rolled
11SMn Pb 30 + C	1.0718 +C	EN 10087	cold-drawn
11SMnPb30+C +A – max. 140 HB	1.0718 + C + A	EN 10087	cold-drawn and annealed - max. Brinell hardness HB 140
RFE 160	1.1011	17405	coercive field strength ≤ 1.8 A/cm
X 10CrNi S 189	1.4305	EN 10088-1	
X 5CrNi 1810	1.4301	EN 10088-1	

- The specifications of properties and dimensions in drawings or purchase orders apply for materials that are not listed in the table above.
- Corrosion protection

The surface of the material must be protected against corrosion.

It must be possible to remove the corrosion-proof agent used with a water-soluble and commercially available cleaning agent.

2.1.2 Factory test certificate

A test certificate in accordance with DIN EN 10204 must be supplied for each batch of raw material delivered (*however, not for each delivery of parts*) at the time of delivery, according to the requirement specified in the purchase (2.1.1).

3. Associated Documents

none

4. Advice

The German version is binding!