SPECIFICATION FOR HOT ROLLED PRODUCTS OF STRUCTURAL STEELS

Part 2: Technical Delivery Conditions for Non-Alloy Structural Steels

(Identical with International Specification EN 10025-2:2004 with these additional requirements.)
SPECIFICATION FOR HOT ROLLED PRODUCTS OF
STRUCTURAL STEELS
Part 2: Technical Delivery Conditions for Non-Alloy
Structural Steels

SA/EN 10025-2

(Identical with EN 10025-2:2004 with these additional requirements.)

1. Additional Requirements
   1.1 Marking:
   In addition to the marking requirements of this specification, all products required to be marked and material identification used on all documentation required by this specification are to be identified by this SA/EN specification designation.

   1.2 Chemical Composition:
   These materials shall conform to SA-20/SA-20M Table 1, whenever SA-20/SA-20M Table 1 is more restrictive.

   1.3 Resurfacing by Welding:
   If resurfacing by welding is acceptable by agreement with the purchaser the following requirements have to be fulfilled:

   (a) Preparation for repair welding shall include inspection to assure complete removal of the defect.
   (b) Repairs shall be made utilizing welding procedures qualified in accordance with ASME Section IX and repair welding shall be done by welders or welding operators meeting the qualification requirements of ASME Section IX.

2. National Parts
   2.1 The National Foreword and the National Annexes, if any, do not apply for SA/EN 10025-2.

3. Source
   3.1 See Nonmandatory Appendix A for ordering information to obtain an English language copy of EN 10025-2 and its references.
SPECIFICATION FOR FLAT PRODUCTS MADE OF STEELS FOR PRESSURE PURPOSES

Part 2: Non-Alloy and Alloy Steels With Specified Elevated Temperature Properties

SA/EN 10028-2

(Identical with EN 10028-2:2009, with these additional requirements.)

1. Additional Requirements

1.1 Marking

In addition to the marking requirements of this specification, all products required to be marked and material identification used on all documentation required by this specification are to be identified by this SA/EN specification designation.

Plates that have been given the full heat treatment required by para. 8.2.1 or 8.2.2 shall be marked by the party performing the heat treatment with the letters designating the applicable heat treatment condition in Table 3 of EN 10028-2 following the stamped steel name or number.

Plates for which normalizing has been replaced by normalizing rolling as permitted by para. 8.2.2 shall be marked “+NR” instead of “+N.”

Plates that are not heat treated but are qualified on the basis of heat treated specimens per para. 8.2.3 shall be stamped with letter “G” following the stamped specification designation.

1.2 Chemical Composition

The requirements of paras. 7.1.2 and 7.1.3 on heat analysis, and of paras. 7.2.3 and 7.2.4 on product analysis, of SA-20/SA-20M shall apply.

1.3 Tension Tests

For quenched and tempered plates one tension test shall be taken from each end of the heat treated plate. The gage length of the tension test specimens shall be taken at least 1\(T\) from any heat treated edge, where \(T\) is the thickness of the plate, and shall be at least \(\frac{1}{2}\) in. (12.5 mm) from flame cut or heat-affected-zone surfaces.

1.4 Quality

All surface imperfections, the removal of which will reduce the plate thickness below its permissible minimum, shall be cause for rejection of the plate; however by agreement with the purchaser, the metal so removed may be replaced with weld metal.

Preparation for repair welding shall include inspection to assure complete removal of the defect.

Repairs shall be made utilizing welding procedures qualified in accordance with ASME Section IX and repair welding shall be done by welders or welding operators meeting the qualification requirements of ASME Section IX.

2. National Parts

2.1 The National Foreword and the National Annexes, if any, do not apply for SA/EN 10028-2.

3. Source

3.1 See Nonmandatory Appendix A for ordering information to obtain an English language copy of EN 10028-2 and its references.
HOT ROLLED PRODUCTS OF STRUCTURAL STEELS

Part 2: Technical delivery conditions for non-alloy structural steels

SA/EN 10025-2

(Identical with EN 10025-2:2004 with the additional requirements listed on this cover sheet)

1. Additional Requirements

1.1 Marking
In addition to the marking requirements of this specification, all products required to be marked and material identification used on all documentation required by this specification are to be identified by this SA/EN specification designation.

1.2 Chemical Composition
These materials shall conform to SA-20 Table 1 whenever SA-20 Table 1 is more restrictive

1.3 Resurfacing by Welding
If resurfacing by welding is acceptable by agreement with the purchaser the following requirements have to be fulfilled:
Preparation for repair welding shall include inspection to assure complete removal of the defect.
Repairs shall be made utilizing welding procedures qualified in accordance with ASME Section IX and repair welding shall be done by welders or welding operators meeting the qualification requirements of ASME Section IX.

2. National Parts

2.1 The National Foreword and the National Annexes, if any, do not apply for SA/EN 10025-2.

3. Source

3.1 See Nonmandatory Appendix A for ordering information to obtain an English language copy of EN 10025-2 and its references.
SPECIFICATION FOR FLAT PRODUCTS MADE OF STEELS FOR PRESSURE PURPOSES

Part 2: Non-Alloy and Alloy Steels With Specified Elevated Temperature Properties

1. Additional Requirements

1.1 Marking

In addition to the marking requirements of this specification, all products required to be marked and material identification used on all documentation required by this specification are to be identified by this SA/EN specification designation.

Plates that have been given the full heat treatment required by para. 8.2.1 or 8.2.2 shall be marked by the party performing the heat treatment with the letters designating the applicable heat treatment condition in Table 3 of EN 10028-2 following the stamped steel name or number.

Plates that are not heat treated but are qualified on the basis of heat treated specimens per para. 8.2.3 shall be stamped with letter "G" following the stamped specification designation.

1.2 Tension Tests

For quenched and tempered plates one tension test shall be taken from each end of the heat treated plate. The gage length of the tension test specimens shall be taken at least 1T from any heat treated edge, where T is the thickness of the plate, and shall be at least 1/2 in. (12.5 mm) from flame cut or heat-affected-zone surfaces.

Plates for which normalizing has been replaced by normalizing rolling as permitted by para. 8.2.2 shall be marked "+NR" instead of "+N"

1.3 Quality

All surface imperfections, the removal of which will reduce the plate thickness below its permissible minimum, shall be cause for rejection of the plate; however by agreement with the purchaser, the metal so removed may be replaced with weld metal.

Preparation for repair welding shall include inspection to assure complete removal of the defect.

Repairs shall be made utilizing welding procedures qualified in accordance with ASME Section IX and repair welding shall be done by welders or welding operators meeting the qualification requirements of ASME Section IX.

2. National Parts

2.1 The National Foreword and the National Annexes, if any, do not apply for SA/EN 10028-2.

3. Source

3.1 See Nonmandatory Appendix A for ordering information to obtain an English language copy of EN 10028-2 and its references.