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ENTERPRISE STANDARD

OF BAOSHAN IRON AND STEEL CO., LTD.

Q/BQB 302-2020

Continuously Hot Rolled Steel Plates and Strips for Cold Forming

冷成型用热连轧钢板及钢带

Issued on: April 27, 2020

Issued by: Baoshan Iron and Steel Co., Ltd.

Self-commitment

The content of Q/BQB 302-2020 "Continuously Hot Rolled Steel Plates and Strips for Cold Forming" compiled and published by our company meets the requirements of relevant national laws and regulations, mandatory standards and related industrial policies. It is approved and issued by the corporate representative in accordance with prescribed procedures.

The products produced by our company meet the technical requirements specified in this Standard. The standard number is clearly indicated on the corresponding product or product packaging.

Our company is responsible for the authenticity, accuracy and legality of the declared information, and assumes full legal responsibility for the consequences of the implementation of this Standard.

Baoshan Iron and Steel Co., Ltd.

April 27, 2020

Indicator requirement document for technical indicators 1

Main technical indicators and test methods (public declaration)

1 Chemical composition

Table 2

Designation	Chemical composition ^{a,b} (mass fraction) / %							
	C	Si	Mn	P	S	Alt	Ti	N
DD11	≤0.12	≤0.05	≤0.60	≤0.030	≤0.030	≥0.010	—	—
DD12	≤0.10	≤0.05	≤0.45	≤0.025	≤0.020	≥0.010	—	—
DD13	≤0.08	≤0.05	≤0.40	≤0.025	≤0.020	≥0.010	—	—
DD14	≤0.08	≤0.05	≤0.35	≤0.025	≤0.020	≥0.010	—	—
SPHC	≤0.12	≤0.05	≤0.60	≤0.030	≤0.030	≥0.010	—	—
SPHD ^c	≤0.10	≤0.05	≤0.45	≤0.025	≤0.020	≥0.010	—	—
SPHE	≤0.08	≤0.05	≤0.40	≤0.025	≤0.020	≥0.010	—	—
SPHF	≤0.08	≤0.05	≤0.35	≤0.025	≤0.020	≥0.010	—	—
BRC1	≤0.08	≤0.05	≤0.40	≤0.025	≤0.020	≥0.010	—	—
BRC2	≤0.05	≤0.05	≤0.40	≤0.025	≤0.020	≥0.010	—	—
BRC3	≤0.03	≤0.05	≤0.30	≤0.025	≤0.020	≥0.010	—	—
IF HR1	≤0.008	≤0.04	≤0.30	≤0.020	≤0.020	≥0.010	≤0.08	≤0.005
IF HR2	≤0.005	≤0.03	≤0.30	≤0.020	≤0.020	≥0.010	≤0.08	≤0.004
IF HR3	≤0.003	≤0.03	≤0.20	≤0.020	≤0.020	≥0.010	≤0.08	≤0.004

^a It is selected by the supplier. Special elements can be added.
^b The contents of residual elements in the steel are: Cu≤0.20%, Cr≤0.15%, Ni≤0.15%. But when the supplier can guarantee, chemical analysis of these elements may not be performed.
^c When the thickness t>14mm, the upper limit of Mn content can be increased to 0.50%.

2 Mechanical and technological properties

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