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ENTERPRISE STANDARD OF BAOSTEEL

Q/BQB 302-2018

Continuously Hot-Rolled Steel Sheet and Strip for Cold Forming

冷成型用热连轧钢板及钢带

Issued on: February 07, 2018

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

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Self-Commitment

The contents specified in Q/BQB 302-2018 *Continuously Hot-Rolled Steel Sheet and Strip for Cold Forming*, which is prepared and published by our company, comply with the requirements of relevant national laws and regulations, mandatory standards, and relevant industrial policies; are approved to be published by the legal representative of the enterprise in accordance with the prescribed procedures. The products produced by our company meet the technical requirements stipulated in this Standard; the standard number is clearly indicated on the package of corresponding product. Our company is responsible for the truthfulness, accuracy and legality of the public information in the self-commitment; assumes full legal responsibility for the consequences of the implementation of this Standard.

Baoshan Iron & Steel Co., Ltd.

February 07, 2018

Document for Indicator Requirements of Technical

Indicator 1

1 Size, Shape, Weight and Permissible Deviation

The size, shape, weight and permissible deviation of steel sheet and strip shall conform to the provisions of Q/BQB 301; thereof, the permissible deviation of thickness shall conform to the provisions of Table 2 in Q/BQB 301; the allowable value of unevenness shall not conform to the provisions of the minimum yield strength no greater than 300MPa. If the purchaser has higher requirements for the thickness accuracy, the advanced accuracy PT.C with specified yield strength, Re, less than 360MPa given in Table 4 of Q/BQB 301.

2 Technical Requirements

Table 2

Designation	Chemical composition ^{a, b} (mass fraction) / %							
	C	Si	Mn	P	S	Al _t	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 shall be selected by the supplier, and the special elements may be added.

^b Content of residual elements in steel, such as Cu≤0.20%, Cr≤0.15%, Ni≤0.15%. However, under the guarantee of the supplier, the chemical analysis on these elements may not be conducted.

^c When thickness t>14mm, the upper limit for content of Mn may be improved to 0.50%.

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