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ENTERPRISE STANDARD OF
BAOSHAN IRON AND STEEL CO., LTD

Q/BQB 303-2019

Replacing Q/BQB 303-2014

**Continuously hot-rolled steel sheet and strip for
general structure**

一般结构用热连轧钢板及钢带

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Table of Contents

1 Chemical composition	3
2 Mechanical and Process Properties.....	5
3 Inspection and Test	7

Major Technical Indicators and Test Methods (Public Statement)

1 Chemical composition

Table 3

Designation	Chemical composition ^a (mass fraction) %						
	C	Si	Mn	P	S	N ^b	Ceq ^c
SS330	≤0.15	≤0.30	≤0.95	≤0.025	≤0.020	—	—
SS400	≤0.21	≤0.30	≤1.40			—	—
SS490	≤0.22	≤0.25	≤1.40			—	—
SS540	≤0.30	≤0.25	≤1.60			—	—
S185	—	—	—	≤0.030	≤0.030	—	—
S235JR、St37-2	≤0.17	≤0.35	≤1.40	≤0.025	≤0.020	≤0.012	≤0.35
S235J0				≤0.025	≤0.020		
S235J2				≤0.025	≤0.020	—	
S275JR、St44-2	≤0.21	≤0.35	≤1.50	≤0.025	≤0.020	≤0.012	≤0.40
S275J0	≤0.18			≤0.025	≤0.020		
S275J2	≤0.18			≤0.025	≤0.020	—	
E295	≤0.30	≤0.35	≤1.60	≤0.030	≤0.030	≤0.012	—
S355JR	≤0.24	≤0.55	≤1.60	≤0.025	≤0.020	≤0.012	≤0.45
S355J0、St52-3	≤0.20			≤0.025	≤0.020		
S355J2	≤0.20			≤0.025	≤0.020	—	
S355K2	≤0.20			≤0.025	≤0.020		

^a Add other alloy elements as required.

^b If Al≥0.020 or Als≥0.015 or add other sufficient nitrogen-fixing elements, the maximum nitrogen is inapplicable. The inspection document shall provide the nitrogen-fixing element content.

^c $C_{eq} = C + \frac{Mn}{6} + \frac{Cr + Mo + V}{5} + \frac{Ni + Cu}{15}$

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