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ENTERPRISE STANDARD OF
BAOSHAN IRON AND STEEL CO., LTD

Q/BQB 360-2019

**Continuously-Hot-Rolled
Special Steel Sheets and Strips**

热连轧特殊钢板及钢带

Issued on: February 7, 2018

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Main Technical Indicators and Test Methods

(Public Statement)

1 Chemical Compositions

Table 2 – Carbon Steel

Designation	Chemical composition (mass fraction) %						Others
	C	Si	Mn	P	S	Alt	
BJS15C	0.13~0.18	0.15~0.35	0.30~0.70	≤0.020	≤0.010	≤ 0.060	Cu≤0.30 Ni≤0.20 Cr≤0.20 Ni+Cr≤0.35
BJS20C	0.18~0.23	0.15~0.35	0.30~0.70	≤0.020	≤0.010		
BJS55C	0.52~0.58	0.15~0.35	0.60~0.90	≤0.020	≤0.010		
C10	0.08~0.13	≤0.35	0.30~0.60	≤0.025	≤0.015		
S10C	0.08~0.13	0.15~0.35	0.30~0.60	≤0.025	≤0.015		
C15	0.13~0.18	≤0.35	0.30~0.60	≤0.025	≤0.015		
S15C	0.13~0.18	0.15~0.35	0.30~0.60	≤0.025	≤0.015		
S20C	0.18~0.23	0.15~0.35	0.30~0.60	≤0.025	≤0.015		
S35C	0.32~0.38	0.15~0.35	0.60~0.90	≤0.025	≤0.015		
S45C	0.42~0.48	0.15~0.35	0.60~0.90	≤0.025	≤0.015		
S50C	0.47~0.53	0.15~0.35	0.60~0.90	≤0.025	≤0.015		
S55C	0.52~0.58	0.15~0.35	0.60~0.90	≤0.025	≤0.015		
SAE1018 ^a	0.15~0.20	0.15~0.35	0.60~0.90	≤0.025	≤0.015	≤ 0.060	Cu≤0.35 Ni≤0.25 Cr≤0.20 Mo≤0.06
SAE1020 ^a	0.18~0.23	0.15~0.35	0.30~0.60	≤0.025	≤0.015		
SAE1022 ^a	0.18~0.23	0.15~0.35	0.70~1.00	≤0.025	≤0.015		
SAE1035 ^a	0.32~0.38	0.15~0.35	0.60~0.90	≤0.025	≤0.015		
SAE1045 ^a	0.43~0.50	0.15~0.35	0.60~0.90	≤0.025	≤0.015		
SAE1050 ^a	0.47~0.55	0.15~0.35	0.60~0.90	≤0.025	≤0.015		
SAE1055 ^a	0.52~0.60	0.15~0.35	0.60~0.90	≤0.025	≤0.015		
SAE1070 ^a	0.65~0.80	0.15~0.35	0.60~0.90	≤0.025	≤0.015		
C67S	0.65~0.73	0.15~0.35	0.60~0.90	≤0.025	≤0.015	≤ 0.060	Cr≤0.30、Ni≤0.40 Mo≤0.10
40Mn	0.37~0.44	0.17~0.37	0.70~1.00	≤0.025	≤0.015	≤ 0.060	Cr≤0.25、Ni≤0.25 Cu≤0.25
45Mn	0.42~0.50	0.17~0.37	0.70~1.00	≤0.025	≤0.015		
65Mn	0.62~0.70	0.17~0.37	0.90~1.20	≤0.020	≤0.010		

^a For Designations SAE1018~SAE1070, when the user requires Si≤0.10%, add the suffix "AK" behind the designations.

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