

Growth Steel Billets conform to the major world standards and the London Metal Exchange contract specification

Q235 produced in accordance with **GB Q235**;

C: 0.14 – 0.22%
Si: 0.12 – 0.30%
Mn: 0.30 – 0.65%
P: 0.045% max
S: 0.05% max

20MnSi produced in accordance with **GB 20MnSi**;

C: 0.17 – 0.25%
Si: 0.4 – 0.8%
Mn: 1.2 – 1.6%
P: 0.045% max
S: 0.045% max
Cr: 0.30% max
Ni: 0.30% max
Cu: 0.30% max

3803sp produced in accordance with
GOST 380-94 3sp/ps;

C: 0.14 – 0.22%
Si: 0.15 – 0.30%
Mn: 0.40 – 0.65%
P: 0.04% max
S: 0.05% max
Cr: 0.30% max
Ni: 0.30% max
Cu: 0.30% max

3805sp produced in accordance with
GOST 380-94 5sp/ps;

C: 0.28 – 0.37%
Si: 0.15 – 0.30%
Mn: 0.50 – 0.80%
P: 0.04% max
S: 0.05% max
Cr: 0.30% max
Ni: 0.30% max
Cu: 0.30% max

Billet Dimensional Specifications:

Growth Steel Billets are produced in the following

100S -

100mm x 100 mm x (5,900mm - 6,000mm)
(+/- 100mm)

120S -

120mm x 120 mm x (5,900mm - 6,000mm)
(+/- 100mm)

130S -

130mm x 130 mm x (5,900mm - 6,000mm)
(+/- 100mm)

TOLERANCES

Thickness (a) +/- 4.0mm (+/- 3%)

Width (a) +/- 4.0mm (+/-3%)

Length (L) 5.9/6.0m (+/-100mm)(min 5.8/max 6.

Camber (one-side) 1% (per total length)

Camber (two-sides) 1% (per total length)

Rhomboid 2% max

Transverse concavity +/- 2.45mm (+/- 1.5%)

Cut angle tolerance 8mm

Twist : No more than 3 degrees per 1 m length

Corner radius 8-25mm max

End bend 20mm max for first 500mm

Note:

A61560, for producing ASTM A615/A, 615M-07
Grade 60 is not available.

BS4449 produced in accordance with **BS4449:2005**;

C: 0.24% max

S: 0.055% max

P: 0.055% max

Cu: 0.85% max

Ni: 0.014% max

ns.

sizes;

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