

Boron Steel

Bromford 30CCrB

Product Data Sheet

Product Description

Bromford '30CCrB' is a 0.30% carbon-boron treated steel with added chromium for improved hardenability.

Composition Properties

% C	0.28-0.33	% Si	0.15-0.35
% Mn	1.00-1.40	% P	0.035 max
% S	0.035 max	% Cr	0.30-0.60
% B	0.001-0.005	% Ti	0.020 min
% Al	0.020-0.060		

Hardness

As rolled 285 HB max.

Hardenability

Jominy HV470 at 8mm.

Size Range

Hot Mill 1 flats are available in most combinations from 18mm up to 80mm wide by 3mm up to 13mm thick. Special profiles can be rolled within similar geometric limits.

Tolerances

BS970 Pt.1 dimensional tolerances are standard for mill edge flats.

Width

up to 35mm +/- 0.5mm, 35 to 75mm +/- 0.8mm
over 75mm +/- 1.0mm

Thickness

up to 10mm +/- 0.4mm, over 10mm +/- 0.5mm

Length

Standard + 300mm, Exacts + 50mm, Re-sheared + 6mm

Special tolerances and SPC analysis can be supplied by agreement.

Supply Condition

Bars are available in lengths up to 8.0 metres. Bar ends are cleanly sheared. Standard bundles are 2000 kg secured with tensioned bands. Smaller bundles available by agreement.

Ancillary Services

Re-shearing, cold straightening, pickling and oiling, special bundling and wrapping.



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Special Profiles**

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Square Twisted Wire**

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to the world**



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