

# Chain Steel

## Bromford BCS67

### Product Data Sheet

#### Product Description

Bromford 'BCS67' is a heat treatable carbon-manganese steel with guaranteed as rolled properties, designed for engineering applications including the manufacture of chain side plates. The steel can be used in the as rolled condition or hardened and tempered for applications where enhanced properties are required.

#### Composition and Properties

% C 0.35-0.40                      % Si 0.10-0.30  
% Mn 1.25-1.55                    % P 0.035 max  
% S 0.035 max

Aluminium treated fine grain.

#### As Rolled Properties

Yield strength (Re) 365 N/mm<sup>2</sup> min.  
Tensile strength (Rm) 670 N/mm<sup>2</sup> min.  
Elongation (A) 11% min.  
Heat treated (OQ840-870°C, T550-660°C)  
'S' condition (Rm 775-925 N/mm<sup>2</sup>) as BS970 150M36.

#### Size Range

**Hot Mill 1** flats are available in most combinations from 16mm 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 hot mill flats.

#### Width

10 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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**Hot Rolled Flats &  
Special Profiles**

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Square Twisted Wire**

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