

4140

BLUEBELL

BLUEBELL

CHARACTERISTICS

Tensile Strength (Mpa) 900

Hardness Supplied (HB) 270

Machinability Rating % 50

EQUIVALENTS

| ASTM | AISI | BS | JIS | C | Si | Mn | Cr | Mo |
|---------|------|-------|------|------|------|------|------|------|
| A29M | 4140 | 970 | 4105 | 0.40 | 0.25 | 0.80 | 0.90 | 0.20 |
| 91 4140 | | EN19A | | | | | | |

CHEMICAL ANALYSIS (%)

NOTES

General purpose high tensile steel, used for axles, shafts, high tensile studs and bolts, gears and drilling rods. *Generally supplied hardened and tempered. Generally only available in round bars, may use 718 Impax for block and flats.*

DESCRIPTION

4140 is a 1% Chromium - Molybdenum (Chrome-Moly) high tensile steel alloy bar. May be Known as 709 and 709M

HEAT TREATMENT

Suitable for flame and induction hardening. Heat to 840 C - 875 C, hold until temperature is uniform throughout the section, soak for 10 to 15 minutes per 25 mm section, and quench in oil, water, or polymer as required.

840 - 875°C

HEAT COLOUR
STRAW

WARNING: While all care has been taken to provide accurate information here, it should be noted that it is for a guide only and any information must be checked by the manufacturer before being relied upon.

EDCON STEEL

Sydney Metro

Blacktown 15 Carling Road Kings Park
Brookvale 10/9-13 Winbourne Road Brookvale
Revesby 122 Milperra Road Revesby

Rural

Bathurst 51 Sydney Road Raglan
Orange 23 Leewood Drive Orange

1300 233 266
edconsteel.com.au