

## BRIGHT MILD STEEL – M1020

### RELATED SPECIFICATIONS:

<b>Australia</b>	AS 1443 – 2004 M 1020
<b>Germany</b>	W.Nr1.1151 CK22
	W.Nr 1.0402 C22
<b>Great Britain</b>	BS 970 – 1955 EN3B
	BS970 Part 3 – 1991 070M20
<b>USA</b>	AISI C1020
	ASTM A29/29M – 91 1020
	SAE 1020
	UNS G 10200
<b>Japan</b>	JIS G 4051 S20C

### DESCRIPTION:

M1020 Bright Mild steel bar is a merchant grade plain carbon steel bar containing nominally 0.20% carbon supplied in the cold drawn, precision ground or turned & polished condition. Bright round bar up to 63.5mm dia is cold drawn. Bright round bars 63.5mm – 100mm diameter are cold drawn or smooth turned & polished. Over 100mm are all smooth turned and polished. All square, flat and hex bars are cold drawn to H11 tolerance. Typical tensile strength range min. of 410 - 480 Mpa and HB range 119 – 235. Grade M1020 is not able to be through hardened nor will it respond to flame or induction hardening. Can be welded easily by conventional processes.

### APPLICATIONS:

Can be used as supplied for many general engineering applications. M1020 is a grade recommended where high strength is not required with excellent weldability qualities. Suitable for fasteners, shafts, threaded bars.

### CHEMICAL ANALYSIS:

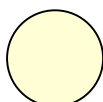
	<b>C</b> %	<b>Si</b> %	<b>Mn</b> %	<b>P</b> %	<b>S</b> %
Min.	0.15	-	0.30	-	-
Max.	0.25	0.35	0.90	0.05	0.05

### SIZES AVAILABLE:

Round: 4.76mm – 203.2mm Dia. Imperial 1/4" – 8" Dia

Square: 12.7mm – 50.8mm Imperial 1/2" – 2"

Hex (AF): Sizes on application



### COLOUR CODE: CUSTARD END