



BARCLAY & MATHIESON LTD

Bright Bar Products

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5. 070M20 (EN3A)

Low Carbon Steel

Material description:

A mild steel used for general engineering purposes. Suitable for low stressed fixings, shafts, rollers etc. Good machining and weldability. Used where heavy stresses and heat treatment are not involved

Size Range: Rounds 50mm – 600mm

Chemical Composition:

	C	Si	Mn	P	S
Min%	0.16	0.10	0.50		.
Max%	0.24	0.40	0.90	0.050	0.050

Mechanical Properties Typical (minimums typically)

	UTS (N/mm ²)	Yield (N/mm ²)	Hardness HB	LRS (mm)
Normalised Test Piece	430	215	126-179	150
Normalised Test Piece	400	200	116-170	250

Supply Condition: As rolled, as forged (Typically)

Alternative specifications: C20, C22, DIN 1.1151, EN3A

Please see our latest stocklist and contact us with your specific requirements.