



BARCLAY & MATHIESON LTD

Bright Bar Products

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7. 708M40 (EN19)

Low Alloy Steel

Material description:

A high tensile chromium molybdenum steel with high ductility and good shock resisting properties. Suitable for gears, high tensile studs, shafts etc

Size Range: Rounds 10mm-80mm

Chemical Composition:

	C	Si	Mn	P	S	Mo	Cr
Min%	0.36	0.10	0.70			0.15	0.90
Max%	0.44	0.40	1.00	0.035	0.040	0.25	1.20

Mechanical Properties Typical (minimums typically)

	UTS (N/mm ²)	Yield (N/mm ²)	Hardness HB	Elongation (%)	Impact (J)
T-Condition > 6mm	850-1000	700	248/302	98	40

Supply Condition: Bright Cold Drawn

Alternative specifications: SAE4140, 42CrMo4

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