

1045

BLACK

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CHARACTERISTICS

Hardness Supplied (HB) 300 - 540

Tensile Strength 600 - 690

Machinability Rating % 55

EQUIVALENTS

BS	AISI/SAE	UNS	DIN	C	Si	Mn	P	S
970	1045	G10450	C45	0.43	0.10	0.60	0.04 max	0.04 max
080A47				0.50	0.35	0.90		

CHEMICAL ANALYSIS (%)

NOTES

High strength with reasonable ductility and weldability. A grade which finds its greatest usage in hard chromed bars for hydraulic and pneumatic rams.

POSSIBLE ALTERNATIVE GRADES

1040, 1045, 4140, 718 Impax

APPLICATIONS

DO NOT GALVANISE. DO NOT COLD FORM. DO NOT CASE HARDEN.
Used in Motor Shafts, Pump Shafts, Take Off Shafts, Rams.

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

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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

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