

KES

Non-refining Cold Finished Steels for
Cold Finishing

KES B-B023

(EST.) 1988 - 12 - 10

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1. Scope of Application

This standard the non-refining cold finished steels for cold finishing (Hereinafter referred to as "bar").

2. Kind and Mechanical Properties

Kind symbol	Material symbol	Tensile Test				Impact value (charpy) kgfcm/cm ² (J/cm ²)			
		Yield kgf/m ² (N/cm ²)	Tensile strength kgf/cm ² /cm ² (N/cm ²)	Elongation %	Contraction %		Hardness Hb	Shape dimension mm	Main usage
KSMnV 65	KSMNv 650	250 (≥ 490)	≥ 75 (≥ 736)	≥ 15	≥ 40	≥ 6 (≥ 59)	201 - 269	Circle bar dia. d≥ 30	Rod series

Remarks 1. The proofing value of mechanical properties shall apply only to the steel bar of 30mm or less in diameter, and shall be otherwise specified for the bar exceeding 30mm in diameter.

2. The tensile test piece shall be of KS B 0801, (Test pieces for tensile test for metallic materials) and the impact test piece shall be of KS B 0809 (Impact test specimen for metallic materials) (2m v notch).

Standard Quoted

- KS B 0801 (Test pieces for tensile test for metallic materials)
KS B 0809 (Impact test specimen for metallic materials)