

M 939

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M B.I. S.I. 10'. 55'. 3'. 2/6/37 Corroded Iron CHISEL

Iron ADZE CORRODED, POINTED AT ONE END, ROUNDED AT OTHER.
FAIRLY UNIFORM THICKNESS, WITH SQUAREISH EDGES. POINTS AND
ROUNDED END TAPER TO FORM SHARP BLADES.

Dimensions: 132 mm LONG.

24 mm MAX WIDTH.

8.7 mm MAX THICKNESS

Mass: 99.08g

Very MAGNETIC.

STRUCTURE: INHOMOGENEOUS, LONGITUDINALLY Banded (7)

CONSTITUENTS: FERRITE + PEARLITE WS STRUCTURE
CORE AREA EUTECTOID. SOME ENRICHED FERRITE
CARBON CONTENT. 0.5 - 0.8% C METS 0.2%
(9) (10)

GRAIN SIZE ASTM 4 - 5

INCLUSIONS 1. MOSTLY ELONGATED GLASS STAINERS.

2. A FEW MULTI-PHASE SLAG INCLUSIONS (6)

DEFORMATION. HEAVY HOT WORKED - SLAG STAINERS.

FABRICATION EXTENSIVE HOT WORKING

FULL AUSTENITIZATION

AIR COOL TO NORMALIZE