

KWAKANDAGANDA

"86/2 □ 25 E10 △ 35-48cm Iron bead"

IRON BEAD

STRUCTURE: Found bead made from flat ribbon? dark brown and severely corroded with adhering oxide and sand grains.

Magnetic		Mass	1,311 g.
length	12,5 mm		
breadth	11,2 mm		
width	6 mm.		

Metallurgical specimen.

Severely corroded (—). Residual islands of metal in corrosion product with several voids.

Very homogeneous, pure ferrite (1939). Carbide/nitride ppt. Compositonal banding visible with I.C. (1940). ASTM 6-8.

Some grain boundary carbides < 0,01% C. (—)

Inclusions: i. Tiny yellowish blocky crystals (—)

§ 1-5 μ □

- ii strips of fine glassy elongated inclusions - reflections
- iii globular grey inclusions - fractured. 2 phase. (1941)
- iv light with black spots, on darker phase.
- iv elongated strings of yellowish grey globules in dark glass. (1941).

Grain compression on inner surface of bead and at join (1942)

Fabrication: Hot worked to strip.

Normalized + air cooled.

Strip cut + bent to shape cold.

EDS: GAND 15 B - INCL. SPOT

GAND 15 A - BULK METAL RASTER

GAND 15 C - INCL. RASTER

GAND 15 D - INCL. SPOT.

ALSO: WESTGATE
WESTGATE INGLAS
CONFIRMED.