

KETOS TEST RING

MAGNETIC PARTICLE INSPECTION EQUIPMENT



Product Description

Ketos Test Ring is intended to be a total system check for your DC output equipment. This test gauge with subsurface discontinuities is an excellent tool that provides a quick way to confirm your DC output machine is working properly.

The Ketos Test Ring is designed to be a quick overall system performance indicator. It must be processed by the continuous method using a 1-inch (2.54 cm) diameter central conductor. When properly processed, indications of artificial subsurface discontinuities will be produced on the circumferential surface of the ring. The number of indications produced is determined by the function of magnetising current amperage and the characteristics of the indicating medium. The results should conform to the minimum standards in the chart below.

Part number 026T005

Instructions

- Place the ring on a non-ferromagnetic central conductor (2.54 cm - 3.175 cm).
- Clamp the central conductor between the head and tailstocks.
- With the amperage set to predetermined levels used for every test, magnetise the ring circularly with a contact shot, using the continuous method of particle application.

A consistent number of visible indications per level reveals the system is working properly – see table below. We recommended that you benchmark the performance of each specific combination of ring and magnetising equipment used, in order to detect any decrease in performance.

Type of suspension	Amperage FWDC or HWDC	Minimum number of holes indicated
Fluorescent Oxide (wet)	500	3
	1,000	5
	1,500	6
	2,500	7
	3,500	9
Visible Oxide (wet)	500	3
	1,000	4
	1,500	5
	2,500	6
	3,500	8
Dry Powder	500	4
	1,000	6
	1,500	7
	2,500	8
	3,500	9

Your Magnaflux Tool Steel Ring has been serialised to give you traceability (in order to meet compliance standards) and is supplied with an individual field leakage plot.

Specification Compliance

- ASTM E709-08 (Sections 14.2.2, 20.6.7 & 20.8.4)
- ASTM E1444/E1444M-12 (Section 7.1.2, Annex A4)
- BPVC (Section V, Article 7: T-766.1)

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