

UNIVERSAL 600/900 WE

Stationary Crack Detection Units

Our Universal 600 WE and 900 WE stationary test benches are suitable for testing workpieces with a clamping length of 600 mm and 900 mm respectively at standard stroke. The maximum workpiece diameter that can be clamped is 450 mm and the maximum part weight is 150 kg.

Our test benches can be used for current flow and yoke magnetisation. With the right accessories, they are also suitable for internal conductor and current induction method. The locking of the right contact head can be done quickly and safely with a single hand movement, thereby stopping the tailstock from slipping.

Each bench is equipped with:

FUNCTIONS:

- current flow diagnostic system and demagnetisation for both magnetizing circuits
- automatic sequencing circuit
- constant current control

COMPONENTS:

- separate test liquid tank, made of stainless steel, capacity 40 litres. Includes test liquid pump and dirt collecting sieve.
- solenoid valve for spraying system
- Possibility of combined testing according to EN ISO 9934-14:
 - Yoke magnetization with axial current flow
 - Yoke magnetization with inserted conductor
 - Current induction with inserted conductor



Options available:

- Darkening cabin with curtain
- Fan for the cabin
- Shower for automatic spraying
- Lamp holders
- Third magnetisation circuit as second current flow, including integration of a split tailstock.

ACCESSORIES



Our contact pads and plates prevent arc burn by maintaining proper electrical contact between test parts and contact heads.

Description	Part number
Contact plate with Ø 176 mm and sheet thickness 2 mm	129150
Contact plate with integrated copper pad Ø 80 mm	129155
Contact plate for vertically divided head stocks	129160
Contact plate for horizontally divided head stocks	129162

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TECHNICAL DATA (in compliance with EN ISO 9934-3 / DGZfP guideline EM-0)

		Universal 600 WE	Universal 900 WE
Ref. No.		022360	022390
Current flow			
Rated current - effective	A	2000	2000
Rated current - peak	A	2800	2800
Short-circuit current - effective	A	2920	2920
Open-circuit voltage - effective	V	3.2	3.2
Yoke magnetisation			
Ampere turns	AW	10,000	15,000
Clamping length			
Safety short stroke of 7 mm (meets UVV)	mm	600	900
Maximum workpiece diameter to be clamped	mm	450	450
Maximum weight of workpiece	kg	100	100
Operating data - electrics			
Current		AC	AC
Mains connection	V	3 x 400	3 x 400
Frequency	Hz	50	50
Power consumption	kVA	35	55
Duty cycle (relative)	%	60	60
Duty cycle (absolute) (ON/OFF at 50%)	sec	6/4	6/4
Test current/intensity pre-selection		infinite	infinite
Constant current control		✓	✓
Measuring instrument		digital	digital
Operating data - pneumatics			
Compressed air connection	bar	min. 5 to max. 7	min. 5 to max. 7
Clamping force	N	940	940
Dimensions			
Width	mm	1760	2060
Depth	mm	730	730
Height	mm	2290	2290
Weight	kg	500	550

These details are subject to technical innovations and modifications at any time.