



CW400 - CRANKSHAFT WELDING MACHINE

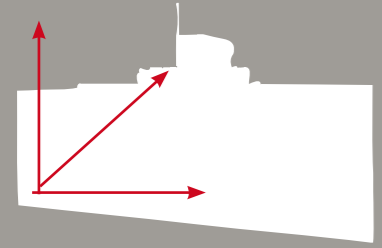
CW400 - CRANKSHAFT WELDING MACHINE



AZ spa | MACHINE TOOLS



AZ spa | MACHINE TOOLS



	CW400
Dimensions without packing	4100X1400X2050 mm
Weight without packing	1800 kg
Dimensions with packing	4300x1680x2300 mm
Weight with packing	2200 kg

DIMENSIONS AND WEIGHTS >>>

AZ spa | Viale dell'Electronica, 20 36016 THIENE (VI) | ITALY | tel. +39 0445 575543 | fax +39 0445 575756 | email: info@azspa.it | www.azspa.it



WWW.AZSPA.IT

Subject to change, as of JULY 2010

Subject to change, as of JULY 2010



CW400- CRANKSHAFT WELDING MACHINE

Submerged arc welding is a process for which the electric arc is covered by granulated material called welding sand. The electric arc provides to fuse the wire, with base shaft material. The welding sand is a composition of silicon, chromium, manganese, molybdenum coal etc., It completely covers electric arc using welding operations. Furthermore, the welding sand protects the welding with a particular atmosphere and does not hurt the worker's eyes. The submerged arc welding offers excellent characteristics on the crankshaft by removing all the elements which cause a quality change of deposited material. A wire and welding composition gives a hardness deposit of 50 - 55 Rockwell on the bearings area. The hardness is determined also by the type of welding sand used. Therefore, it is possible to obtain any necessary hardness. Usually Rockwell hardnesses, that may be found in nearly all crankshafts either for cars or the trucks, vary from 35 Rockwell to 45 - 50 Rockwell. The welding



AZ spa | MACHINE TOOLS

sand mixtures used on our CW 400 welding machine do not need special welding sand or wires as they can be obtained with standard welding sand. The above data will be available to all purchasers.



AZ spa | MACHINE TOOLS



CW400



needle-roller



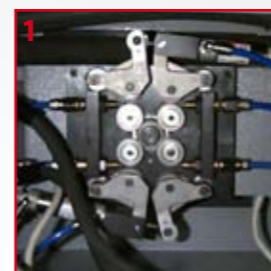
nozzle



torch



welding wire - thickness of your choice



1. welding wire pulling system
2. welding flux tank



3-4. index pins
5. welding system



CW400

EQUIPMENT & SPECIFICATIONS >>>

CRANKSHAFT WELDING MACHINE

CRANKSHAFT REBUILDING SYSTEM >>>

CW400 - CRANKSHAFT WELDING MACHINE

Standard equipment

- Set of needle-rollers 0,8 / 1 / 1,2 mm dia (2 each)
- Set of nozzles 0,8 / 1 / 1,2 mm dia
- Torch 12 mm diam
- Curved torches 10 mm and 12 mm dia.
- Blowing gun
- Service tools
- Operating manual

Optional equipment

- AZ226 Electric system conforming to CE Norms CW 400
- AZ610 Kg. 25 flux for cast iron and steel

- AZ611 Kg 15 rod welding wire 0,8 mm. dia. for cast iron and steel
- AZ612 Kg. 15 rod welding wire 1,0 mm diameter for cast iron and steel
- AZ613 Kg 15 rod welding wire 1,2 mm. dia. for cast iron and steel
- AZ614 Kg 15 rod welding wire 0,8 mm. dia. for steel 40 RC
- AZ615 Kg 15 rod welding wire 1,0 mm. dia. for steel 40 RC
- AZ616 Kg 15 rod welding wire 1,2 mm. dia. for steel 40 RC
- AZ617 Kg 15 rod welding wire 0,8 mm. dia. for steel 50 RC
- AZ618 Kg 15 rod welding wire 1,0 dia. for steel 50RC
- AZ619 Kg 15 rod welding wire 1,2 mm. dia. for steel 50 RC

CW400	
WORKING CAPACITY	
Carriage travel	2000 mm
Stroke	250 mm
Max admitted weight of shaft	1000 kg
Swing diameter	800 mm
Chuck diameter	250 mm
MOTOR RATINGS	
Welding power	400 A

