

Compact semi-automatic welding equipment  
For welding, repair and coating

## **DERBY 305**



*Stronger, with  
Castolin Eutectic*

- Easy to use
- Sturdy and practical
- Excellent performance - price ratio
- Powerful: 300A
- Delivered complete, ready to use
- Castolin quality, reliability and service

**WELDING**



# Compact welding equipment: DERBY 305

## WIDE RANGE OF APPLICATIONS

The DERBY 305 is a compact, semi-automatic welding machine for solid or cored wires wound on 5kg or 15kg spools.

The DERBY 305 is suitable for sheet metal fabrication, steel construction, repair and maintenance.

The DERBY 305 feeds all types of wires : solid wires (alloy steel, mild steel and stainless), aluminium alloys, cored wires for joining and coating in a wide range of diameters and for all applications and positions.

## HIGH QUALITY WELDING

The DERBY 305 combines ease of use, reliability and sturdiness to provide excellent arc characteristics which ensure high quality joints with little spatter due to two smoothing coils. The 4 roll drive system assures perfect wire feeding especially for cored wires



## TECHNICAL DATA

Power supply	230/400 V 50/60 Hz Three phase	
Power at primary (60% Duty cycle)	8 kVA	
Welding current range Min-Max	30 à 300 A	
Number of steps	14	
International Protection Rating	IP 22	
Insulation Classification	H	
Welding current at 40°C Duty Cycle	35%	290 A
	60%	225 A
	100%	175 A
Dimensions and Weight	<b>L x W x H</b>	<b>kg</b>
Power Source	880 x 500 x 740	90
Number of feed rolls	4	
Polarity inverter on panel	yes	
Spot welding timer	yes	

DESIGNATION	ARTICLE
Derby 305	757454
Torch Castoplus 360 / 3M	654798
Torch Castoplus 360 / 4M	654799
Argon regulator	45330L
Steel roll Ø 0,6 / 0,8 (as delivered)	600153
Steel roll Ø 1,0 / 1,2 (as delivered)	600154
Steel roll Ø 1,2 / 1,6	600155
Roll for Al Ø 0,8 / 1,0	600156
Roll for Al Ø 1,2 / 1,6	600157
Roll for cored wires Ø 1,0 / 1,2	600160
Smooth press roll	600159

## ADDITIONAL FEATURES

The DERBY 305 is also suitable for self shielded cored wires thanks to a polarity inverting system on the panel.

- An integrated support allows the gas cylinder to be safely secured during any displacement.
- The top tray fitted with a ribbed rubber mat provides practical storage uses.

## SAFETY

The DERBY 305 conforms to the EN 60974-1, -6, -10 welding norms and displays the CE and S markings.

- CE conformity with the European safety regulations
- S conformity for working in restricted enclosures.



## Your resource for protection, repair and joining solutions

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