

## DIODE S

Handy and powerful welding tool with steplessly adjustable welding temperature and external air supply.

- Electronic temperature control
- Overheating protection for heating elements
- Adaptor tube with heat protection
- Push-fit and screw-on nozzles for round and profile welding rods
- Air supply provided by the ROBUST or MINOR blowers
- Suitable for mobile assembling applications when connected to the MINOR blower



## SPECIFICATIONS

### DIODE S 42 V

Voltage	V~	42
Power consumption	W	600
Frequency	Hz	50/60
Temperature	°C	20 – 600
Min. Air flow (20° C)	l/min	40
Pressure dynamic	Pa	max. 10 <sup>5</sup> (1000 mbar)
Size (L x ø)	mm	265 x 57, handle Ø 40
Weight	kg	1.15 (with 3 m cord/3 m air hose)

Marking of conformity



Approval mark



Certification scheme

CCA




Protection class II






### DIODE S 100 V

Voltage	V~	100
Power consumption	W	1400

## Plastic Welding &gt; Hand tools &gt; DIODE S

Frequency	Hz	50/60
Temperature	°C	20 – 600
Min. Air flow (20° C)	l/min	40
Pressure dynamic	Pa	max. 10 <sup>5</sup> (1000 mbar)
Size (L x ø)	mm	265 x 57, handle Ø 40
Weight	kg	1.15 (with 3 m cord/3 m air hose)
Marking of conformity		
Approval mark		
Certification scheme		CCA
Protection class II		




## DIODE S 120 V

Voltage	V~	120
Power consumption	W	1600
Frequency	Hz	50/60
Temperature	°C	20 – 600
Min. Air flow (20° C)	l/min	40
Pressure dynamic	Pa	max. 10 <sup>5</sup> (1000 mbar)
Size (L x ø)	mm	265 x 57, handle Ø 40
Weight	kg	1.15 (with 3 m cord/3 m air hose)
Marking of conformity		
Approval mark		
Certification scheme		CCA
Protection class II		

## DIODE S 230 V

Voltage	V~	230
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## Plastic Welding &gt; Hand tools &gt; DIODE S

Power consumption	W	1600
Frequency	Hz	50/60
Temperature	°C	20 – 600
Min. Air flow (20° C)	l/min	40
Pressure dynamic	Pa	max. 10 <sup>5</sup> (1000 mbar)
Size (L x ø)	mm	265 x 57, handle Ø 40
Weight	kg	1.15 (with 3 m cord/3 m air hose)
Marking of conformity		
Approval mark		
Certification scheme		CCA
Protection class II		

## ACCESSORIES



Pressure roller 28 mm (PTFE), with ball bearings

106.976 - Pressure roller 28 mm (PTFE)with ball bearings



Pressure roller 28 mm (silicon), with ball bearings

106.977 - Pressure roller 28 mm (silicon), with ball bearings



One-arm pressure roller 40 mm, with ball bearings (silicon)

106.975 - One-arm pressure roller 40 mm, with ball bearings (silicon)



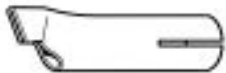
Customs seal roller, with ball bearings

106.981 - Customs seal roller, with ball bearings



Pressure roller with ball bearings (brass), with ball bearings

106.972 - Pressure roller with ball bearings (brass), with ball bearings



Tacking nozzle push-fit on tubular nozzle  $\varnothing$  5 mm

106.996 - Tacking nozzle, push-fit on tubular nozzle  $\varnothing$  5mm



Speed welding nozzle 4.5 x 12mm for fillet seams

107.139 - Speed welding nozzle 4.5 x 12mm for fillet seams, push-fit on tubular nozzle  $\varnothing$  5mm

## Plastic Welding &gt; Hand tools &gt; DIODE S



Speed welding nozzle for tape 8 mm push-fit on tubular nozzle Ø 5mm

107.137 - Speed welding nozzle for tape 8 mm, push-fit on tubular nozzle Ø 5mm



Speed welding nozzle with small air-slide, push-fit on Tubular nozzle ø 5mm

105.431 - Speed welding nozzle 3 mm, small air-slide, push-fit on tubular nozzle Ø 5 mm

105.432 - Speed welding nozzle 4 mm, small air-slide, push-fit on tubular nozzle Ø 5mm

105.433 - Speed welding nozzle 5 mm, small air-slide, push-fit on Tubular nozzle Ø 5 mm



Speed welding nozzle 3, 4, 5 mm push-fit on tubular nozzle Ø 5 mm

106.989 - Speed welding nozzle 3 mm, push-fit on tubular nozzle Ø 5 mm

106.990 - Speed welding nozzle 4 mm push-fit, on tubular nozzle Ø 5 mm

106.991 - Speed welding nozzle 5 mm, push-fit on tubular nozzle Ø 5 mm



High speed draw nozzle ø 3 mm / Ø 4 mm

113.666 - High speed draw nozzle Ø 3mm with tacking tip, screw on (without tacking tip on request)

113.399 - High speed draw nozzle Ø 4mm with tacking tip, screw on (without tacking tip on request)



Hose clamp for air hose ø 14 mm

101.031 - Hose clamp for air hose Ø 14 mm



Wide slot nozzle ø 20 mm, push-fit on TRIAC PID, TRIAC S

107.123 - Wide slot nozzle 20 mm, push-fit



Wide slot nozzle 40 mm, push-fit on TRIAC PID, TRIAC S

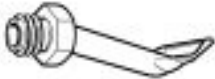
107.132 - Wide slot nozzle 40 mm, push-fit

## Plastic Welding &gt; Hand tools &gt; DIODE S



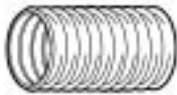
Wide slot nozzle 40 mm, PTFE coated push-fit on TRIAC PID / TRIAC S, DIODE PID / DIODE S

107.135 - Wide slot nozzle 40 mm, PTFE coated push-fit



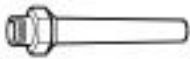
Tacking nozzle screw on Triac PID / Triac S, Diode PID / Diode S and Welding PEN R / Welding PEN S

106.988 - Tacking nozzle screw on



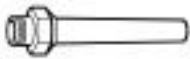
Air hose ø 14 mm for Diode PID / Diode S and Welding PEN R / Welding PEN S

101.681 - Air hose Ø 14 mm



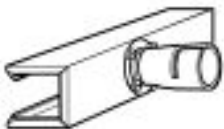
Tubular nozzle ø 5 mm push-fit on TRIAC PID / TRIAC S

100.303 - Tubular nozzle Ø 5 mm, push-fit



Tubular nozzle Ø 5 mm, screw on TRIAC PID / TRIAC S, DIODE PID / DIODE S and WELDING PEN R / WELDING PEN S

105.622 - Tubular nozzle Ø 5 mm, screw on



Shell reflector 25 x 150 mm push-fit on Triac PID / Triac S and Diode PID / Diode S

107.326 - Shell reflector 25 x 150 mm, push-fit



Welding mirror 135 mm push-fit on TRIAC PID / TRIAC S and DIODE PID / DIODE S

107.344 - Welding mirror 135 mm, push-fit



High speed draw nozzle 90-5.7 mm / 7 mm

113.670 - High speed draw nozzle 90 - 5.7 mm with tacking tip, screw on (without tacking tip on request)

106.986 - Draw nozzle 7 mm, screw on

## Plastic Welding &gt; Hand tools &gt; DIODE S



Wide slot nozzle 40 mm, perforated push-fit on TRIAC PID / TRIAC S  
107.133 - Wide slot nozzle 40 mm, perforated, push-fit



Wide slot nozzle 60 mm push-fit on TRIAC PID / TRIAC S  
107.129 - Wide slot nozzle 60 mm, push-fit



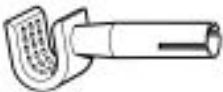
Wide slot nozzle 80 mm push-fit on TRIAC PID / TRIAC S  
107.131 - Wide slot nozzle 80 mm, push-fit



Soldering reflector 17 x 34mm push-fit on TRIAC PID / TRIAC S  
107.339 - Soldering reflector 17 x 34 mm, push-fit



Speed welding nozzle 5.7, 7 mm push-fit on tubular nozzle Ø 5 mm  
106.992 - Speed welding nozzle 5.7 mm, push-fit on tubular nozzle Ø 5 mm  
106.993 - Speed welding nozzle 7 mm, push-fit on tubular nozzle Ø 5 mm



Sieve reflector 12 x 10 mm push-fit on tubular nozzle Ø 5mm  
107.324 - Sieve reflector 12 x 10 mm, push-fit on tubular nozzle Ø 5mm



Sieve reflector 35 x 20 mm push-fit on TRIAC PID / TRIAC S  
107.338 - Sieve reflector 35 x 20 mm, push-fit



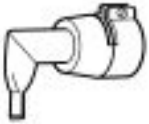
Sieve reflector 50 x 35 mm push-fit on TRIAC PID / TRIAC S  
107.337 - Sieve reflector 50 x 35 mm, push-fit

## Plastic Welding &gt; Hand tools &gt; DIODE S



Angled nozzle 20 mm, 60° push-fit on TRIAC PID / TRIAC S

107.125 - Angled nozzle 20 mm, 60°, push-fit



Angled nozzle 20 mm, 90° push-fit on TRIAC PID / TRIAC S

107.124 - Angled nozzle 20 mm, 90°, push-fit



Wide slot nozzle 40 mm, 60° bent push-fit on TRIAC PID / TRIAC S

107.130 - Wide slot nozzle 40 mm, 60° bent, push-fit