

Aristo® RT Push-Pull

Robotic Push-Pull MIG welding gun



The Aristo® RT PP is the ideal robotic aluminum welding solution suitable for 0.8 – 1.6mm wire diameter on standard arm & hollow wrist robots.

Robot: ABB, KUKA, Motoman or Fanuc

Power source: Aristo® Mig 5000i/5000iw, 5002cw, 4004i Pulse & 6502c

Interface: Aristo® U8₂ / W8₂

Wire feeder: Aristo® RoboFeed 3004W / 3004HW

Torch: Aristo® RT Robotic Torch PP

- 550A at 100% duty cycle water cooled, mixed gas
- 380A at 60% duty cycle (310A at 60%) air cooled, mixed gas
- Quick-change cable assembly reduces downtime
- Large drive rolls provide excellent power transmission
- Marathon Pac™ bulk drums for aluminum welding wire maximizes efficiency and weld quality with no downtime for spool change

Visit esab.com for more information.



Industry

- Automotive
- Transportation
- Industrial and General Fabrication
- Light Fabrication
- Ship/Barge Building



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Specifications

Welding Output at 100% Duty Cycle, Water-cooled	550 A
Welding Output at 100% Duty Cycle, Water-cooled	310 A
Welding Output at 60% Duty Cycle, Air-cooled	380 A
Wire Diameter Range	0.8 – 1.6 mm
Wire Feed Speed	2.5 – 18 m/min
Supply Voltage	42 VDC, 1.5 A
Weight	1.85 kg

Ordering Information

Aristo RT push pull drive unit	0459990050
Aristo RT push pull hollow wrist drive unit complete with collision sensor	0459990182
PC Motor control board	0459990171
Pressure roll replacement kit	0459990081
Pressure roll for AISi (only)	0459990082
PA-liner wire 1.0 – 1.2mm, 1.7m	0459990075
PA-liner wire 1.0 – 1.2mm, 3.4m	0459990076
PA-liner wire 1.2 – 1.6mm, 1.7m	0459990077
PA-liner wire 1.2 – 1.6mm, 3.4m	0459990078
Neck liner PA / Bronze 0.8 – 1.0mm	0459990073
Neck liner PA / Bronze 1.2 – 1.6mm	0459990074
Wire guide 0.8 – 1.6mm	0459990079
M6 knurled nut	0459990080

Delivered without swan neck, cable assembly & consumables. Please order separately. For water cooled swan neck use RT82W, air cooled use RT72G. See robot specific torch leaflet for ordering details of swan neck, cable assembly & consumables.

Cable assembly standard arm

Length	1.2m	1.5m	1.8m	2.0m	1.5m	3.0m	8.0m
Cable assembly water	0459990063	0459990064	0459990508	0459990065	0459990066	0459990067	0459990507
Cable assembly air	0459990068	0459990069	-	0459990070	0459990071	0459990072	

For hollow wrist cable assembly please contact your ESAB representative with details of the robot model.

Wire feed rolls, diameter

Material	0.8mm	0.9mm	1.0mm	1.2mm	1.4mm	1.6mm
All except AISi	0459990051	0459990052	0459990053	0459990054	0459990055	0459990056
AISi (only)	-	-	0459990057	0459990058	-	0459990059



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