

C-Type Aluminum Welding Gun

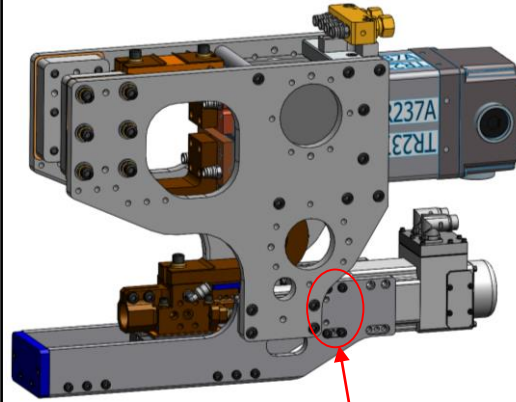
■ Features

- Standard & Modular Body.
- Different positions and orientations for standard bracket.
- 2 types of actuator with different mounting positions to reach longer strokes (Configurations A & B).
- Actuator is equipped with an external LM guide.

Max. Gun Force	800 daN (Window 600x600) 600 daN (Window 650x900)
Gun Cooling Circuit	1-2-1
Transformer Mass	50 Kg
Transformer Capacity	225 KVA (at 50% Duty Cycle)
Transformer Max. Short Circuit Current	50,000 A
Transformer Rated Power / Frequency	500 V / 1000 Hz
Transformer Secondary Voltage	13,1 V
Transformer cooling requirement	2 x 7,5 l/min
Motor Max. Force	1600 daN
Motor Max. Speed	370 mm/s
Motor Rated Rotating Speed	3000 rpm
Motor Max. Stroke	160 mm - 195 mm
Motor Lead	5 mm per round
Motor Mass	13 Kg - 14 Kg

Config. A

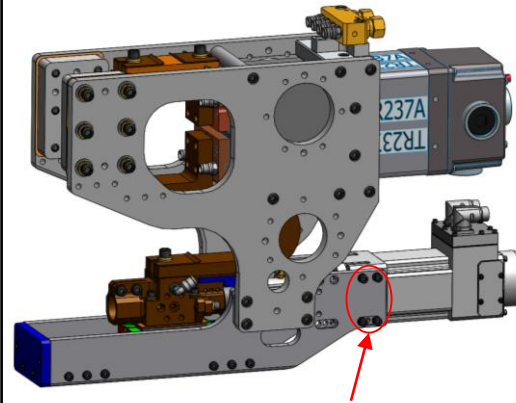
Stroke
≤140mm
(+20mm
Tip Wear
and
Flexion)



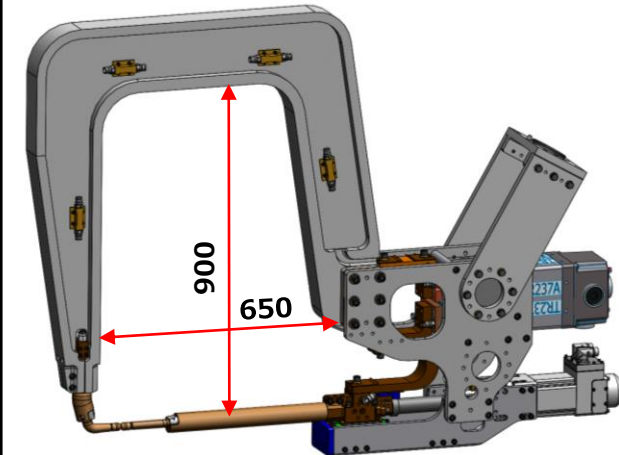
Actuator Mounting Position
Actuator Stroke = 160mm
Mass 110KG

Config. B

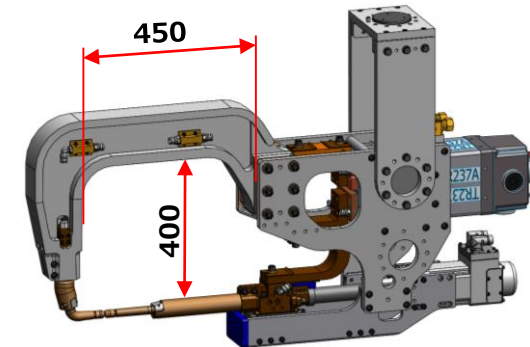
Stroke
≤175mm
(+20mm
Tip Wear
and
Flexion)



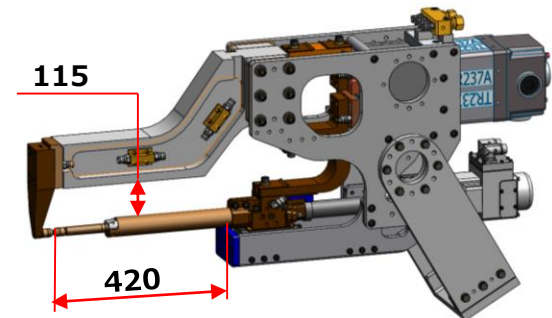
Actuator Mounting Position
Actuator Stroke = 195mm
Mass 111KG



Mass: 185KG Force: 600daN



Mass: 146KG Force: 800daN



Mass: 148KG Force: 800daN

X-Type Aluminum Welding Gun

■ Features

- Standard & Modular Body.
- Different positions and orientations for standard bracket.
- 1 type of actuator, 2 types of installation to reach final force and stroke(Configurations A & B).
- In configuration A, fixe and movable arms are interchangeable.
- Fix arm of Configuration B is interchangeable with fix and movable arm of Configuration A.

Max. Gun Force	See on Table
Gun Cooling Circuit	1-2-1
Transformer Mass	50 Kg
Transformer Capacity	225 KVA (at 50% Duty Cycle)
Transformer Max. Short Circuit Current	50,000 A
Transformer Rated Power / Frequency	500 V / 1000 Hz
Transformer Secondary Voltage	13,1 V
Transformer cooling requirement	2 x 7,5 l/min
Motor Max. Force	1600 daN
Motor Max. Speed	375 mm/s
Motor Rated Rotating Speed	3000 rpm
Motor Max. Stroke	160 mm
Motor Lead	5 mm per round
Motor Mass	13Kg

Config. A

a	Max force
350 ≤ a ≤ 500	8KN
500 < a ≤ 675	6KN

Actuator Mounting Position
Movable Yoke opening angle : 23,5°
Mass 125KG

Config. B

a	Max force
500 < a ≤ 675	8KN
675 < a ≤ 900	6KN

a	Max stroke
350	135
450	175
500	195
550	215
675	265

Actuator Mounting Position
Movable Yoke opening angle : 18,8°
Mass 125KG

Mass: 160KG Force : 800daN

Mass: 164KG Force : 800daN

Mass: 175KG Force : 600daN