

ROBOTICS

## GWT X9

### Electrically Driven Servo Weld Gun



To address the high demands for process speed, production reliability and top-line quality in the automotive industry, ABB Robotics introduces the GWT X9 servo weld gun. A modular, light weight yet powerful and fast welding gun.

The demands for high process speed, production reliability and genuine quality is a main focus in the automotive industry. ABB Robotics offers a highly adaptable electric servo gun, GWT X9, as an integrated solution controlled by the robot controller.

GWT X9 is the 9th generation scissor welding gun developed and manufactured by ABB Robotics. Based on a modular concept and optimized design, the standard body can support an extensive range of arm configurations along with the usage of different materials such as aluminum, copper, stainless steel and carbon fiber to address concerns such as overall gun weight.

The flexibility of the GWT X9 welding gun offers a wide range of welding solutions to meet the expectations of the industry with short delays.

#### Options

- Robot attachment bracket
- Electrode tips (16 or 20mm standard)

#### Key features and benefits

- Same compact body for all models
- Adaptable to a wide range of arm sizes and types
- Less spare parts
- Multiple side mounting options with locations every 45 degrees
- Single robot attachment for different attachments towards the gun (top, bottom, rear, side mounted)
- Quick gun commissioning
- Integrated Lean ID interface
- Symmetrical built in design
- Easy maintenance and replacements for all components
- Easily removable cover

—  
01 GWT X9  
compact body - 52kg

—  
02 GWT X9 100

—  
03 GWT X9 300

—  
04 GWT X9 700

—  
**Technical data**

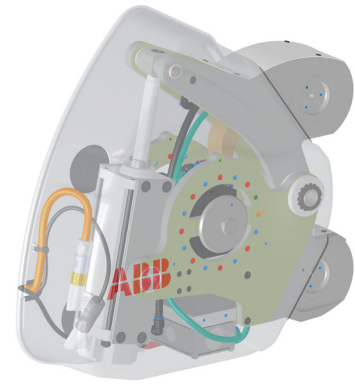
<b>Gun data</b>	
Gun force capacity	800 daN
Actuator speed	300 mm/sec
Transformer MFDC	90 kVA
Water requirements*	3-5 l/min
Gun weight	65-99 kg
MTTR	< 15 minutes
MTBF	10 million cycles
<b>Welding transformer MFDC</b>	
Primary voltage	600 V
Secondary voltage	11.1 V
Frecuency	1,000-1,200 Hz
Power (S50)	90 kVA

—  
**Standard offer**

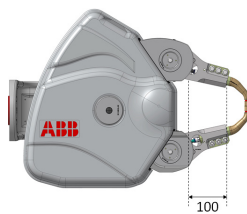
<b>Version</b>	<b>Weight **</b>	<b>Max force</b>
X9 100 (fig. 02)	67 kg	800 daN
X9 300 (fig. 03)	76 kg	800 daN
X9 700 (fig. 04)	87 kg	600 daN

\*Depending on duty cycle

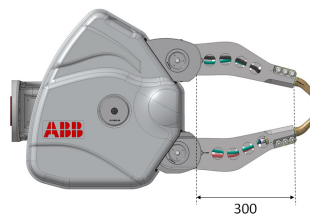
\*\* Including mounting bracket



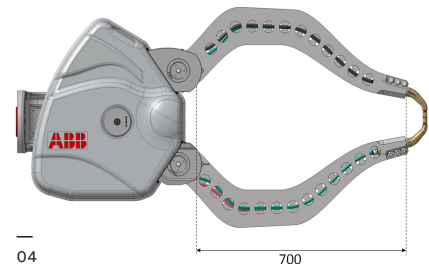
—  
01



—  
02



—  
03



—  
04

—  
ABB AB  
Body in White Global Execution Center  
Lunnagårdsgatan 4  
SE-431 87 Mölndal, Sweden  
Phone: +46 21 32 50 00  
E-mail: spotweld.sales@se.abb.com

**abb.com/robotics**

—  
We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

—  
We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB. Copyright© 2020 ABB. All rights reserved.