

**Makita**

# 18V BRUSHLESS RIVET GUN

**LXT**



DRV150

DRV250

## 18V Brushless Rivet Gun

These rivet guns have been designed for heavy duty industrial applications, for medium to high volume riveting production. They have been designed with superior pulling force with 2 options suited to either large rivet installation or speed of installation

These rivet guns are a powerful cordless solution for heavy duty riveting tasks, ideal for various trades in manufacturing, automotive, window and door manufacturing, metal fabrication, gutter construction, roofing and many more



# Product Overview

## DRV150 – 18V Brushless 4.8mm Rivet Gun



# Product Specification Sheet

## DRV150 – 18V Brushless 4.8mm Rivet Gun



Rivet diameter range	4.8mm (3/16") – 2.4mm (3/32")
Pulling Force	10 kN (2,248lbs)
Stroke	25mm
Sound Pressure Level	75 dB
Vibration	2.5 m/s <sup>2</sup>
Overall length	313mm
Skin weight	1.9kg
Weight (with battery)	2.2kg
Voltage	18V

- **Adjustable rivet diameters** – the DRV150 is capable of pulling rivets up to 4.8mm (3/16") including 4.0mm (5/32"), 3.2mm (1/8") and 2.4mm (3/32")
- **Rivet holding mechanism** – mechanism in the nose piece holds the rivet in place even when working on flat surfaces, preventing the rivet from falling out. Increasing safety and convenience
- **LED light** – after engaging the switch trigger the LED joblight will illuminate and remain on for approximately 10 seconds after the switch is released
- **Short center height** – the height between the top of the tool housing and the centre of the nose cone is only 26mm allows the user to position the head comfortably in tight and narrow places
- **Transparent mandrel box** – after installing the rivet, eject the broken off mandrel into the transparent mandrel box by tilting the tool backwards. The box catches each mandrel and the user can see once the container is full and needs to be emptied



# Product Overview

## DRV250 – 18V Brushless 6.4mm Rivet Gun



# Product Specification Sheet

## DRV250 – 18V Brushless 6.4mm Rivet Gun



Rivet diameter range	6.4mm* (1/4") – 2.4mm (3/32")
Pulling Force	20 kN (4,496lbs)
Stroke	30mm
Sound Pressure Level	74 dB
Vibration	2.5 m/s <sup>2</sup>
Overall length	323mm
Skin weight	2.1kg
Weight (with battery)	2.4kg
Voltage	18V

\*Not compatible with 6.0mm / 6.4mm stainless rivets

- **Adjustable rivet diameters** – the DRV250 is capable of pulling rivets up to 6.4mm (1/4") including 6.0mm (1/4"), 4.8mm (3/16"), 4.0mm (5/32"), 3.2mm (1/8") and 2.4mm (3/32")
  - Optional accessories required to pull 2.4mm, 3.2mm, 4.0mm rivets
- **Rivet holding mechanism** – mechanism in the nose piece holds the rivet in place even when working on flat surfaces, preventing the rivet from falling out. Increasing safety and convenience
- **LED light** – after engaging the switch trigger the LED joblight will illuminate and remain on for approximately 10 seconds after the switch is released
- **Short center height** – the height between the top of the tool housing and the centre of the nose cone is only 26mm allows the user to position the head comfortably in tight and narrow places
- **Transparent mandrel box** – after installing the rivet, eject the broken off mandrel into the transparent mandrel box by tilting the tool backwards. The box catches each mandrel and the user can see once the container is full and needs to be emptied

# Advantages

## Runtime



18V Brushless Motor providing more power and extended run-time

## Efficiency



Transparent mandrel box for easier monitoring of mandrel amount

## Versatility



Short center height allows for working in tight spaces

## Power





Heavy duty pulling force of 10kN/20kN

# Advantages

## DRV150 Vs. DRV250

Due to the DRV250's larger maximum capacity you will notice it has twice the pulling force allowing it to fasten these larger diameter rivets.

Due to this increased capacity and longer stroke length vs. the DRV150, the DRV150 is able to fasten rivets up to **1.8X** faster than the DRV250.

	DRV150	DRV250
		
Rivet diameter range	4.8mm (3/16") – 2.4mm (3/32")	6.4mm* (1/4") – 2.4mm (3/32")
Pulling Force	10 kN (2,248lbs)	20 kN (4,496lbs)
Stroke	25mm	30mm
Sound Pressure Level	75 dB	74 dB
Vibration	2.5 m/s <sup>2</sup>	2.5 m/s <sup>2</sup>
Overall length	313mm	323mm
Skin weight	1.9kg	2.1kg
Weight (with battery)	2.2kg	2.4kg
Voltage	18V	18V



# Frequently Asked Questions

## Installing or removing the head assembly to change rivet diameter

The user must ensure they are using the correct nose piece, jaw, jaw pusher & pipe for each different rivet diameter.

1. Loosen the nut of the head and then remove the head
2. Loosen the nose piece with a wrench while supporting the head with another wrench
3. Loosen the jaw case
4. Remove the jaw pusher, spring and pipe

For DRV150

Rivet		Nose piece	Jaw pusher		Pipe		Part number of accessory set*2	Jaws	
Size	Diameter of mandrel	Mark on nose piece	Hole diameter	Color	Hole diameter	Color		Mark on Jaw	Part number
ø2.4 mm (3/32")	ø1.4 - 1.6 mm	24S	ø1.9 mm	Gray	ø2.2 mm	Silver	1911U6-3	4.8	199731-7
ø3.2 mm (1/8")	ø1.8 - 2.1 mm	32S	ø2.5 mm	Black	ø2.6 mm	Black	1911U4-7		
ø4.0 mm (5/32")	ø2.2 - 2.6 mm	40S	ø3.1 mm	Gray	None *1	-	1911U1-3		
ø4.8 mm (3/16")	ø2.6 - 3.2 mm	48S	ø3.6 mm	Black	None *1	-	1911T9-0		

\*1. Pipe is not necessary for operation.  
 \*2. Including nose piece, jaw pusher, and pipe.  
 \*3. Proper jaws for rivet ø4.8 mm (3/16") are different from DRV250.

For DRV250

Rivet		Nose piece	Jaw pusher		Pipe		Part number of accessory set*2	Jaws	
Size	Diameter of mandrel	Mark on nose piece	Hole diameter	Color	Hole diameter	Color		Mark on Jaw	Part number
ø2.4 mm (3/32") *1	ø1.4 - 1.6 mm	24S	ø1.9 mm	Gray	ø2.2 mm	Silver	1911U6-3	4.8 *4	199731-7
ø3.2 mm (1/8") *1	ø1.8 - 2.1 mm	32S	ø2.5 mm	Black	ø2.6 mm	Black	1911U4-7		
ø4.0 mm (5/32") *1	ø2.2 - 2.6 mm	40S	ø3.1 mm	Gray	ø3.4 mm	Silver	1911V3-6		
ø4.8 mm (3/16")	ø2.6 - 3.2 mm	48S	ø3.6 mm	Black	ø4.1 mm	Black	1911V1-0		
ø6.0 mm (1/4") *3	ø3.1 - 3.5 mm	60S	ø4.0 mm	Gray	ø4.1 mm	Black	1911V0-2	6.4	199730-9
ø6.4 mm (1/4") *3	ø3.5 - 3.9 mm	64S	ø4.6 mm	Black	ø4.5 mm	Silver	1911U8-9		

\*1. Use the jaw case and head for DRV150 as set.  
 \*2. Including nose piece, jaw pusher, and pipe.  
 \*3. Stainless steel rivet is not available.  
 \*4. Proper jaws for rivet ø4.8 mm (3/16") are different from DRV150.



Installing or removing the head assembly

\*Click for video instructions

# Frequently Asked Questions

## Cleaning the jaws and the jaw case

The recommended cleaning interval is every 3,000 rivet installations.

If dust is accumulated, it deteriorates the movement of the jaws and may accelerate wear of the jaws and jaw case. To clean the jaws and jaw case follow the steps below.

1. Remove the jaw case.
2. Remove the jaws from the jaw case
3. Clean the jaws with a brush. Remove any metal powder clogged between the teeth
4. Apply supplied grease evenly to the inner jaw case
5. Install the jaws to the jaw case
6. Install the jaw case and reassemble the head assembly
7. Insert rivet into nose piece and remove wiping away any excess grease

# Recommended Parts






## (4) Recommended combination of parts



Model	Rivet	Recommended Length of Mandrel		Jaw	Nose piece	Jaw case	Head	Screw nut	Jaw pusher	Pipe
		Current	New							
DRV250 XVR02	ø6.4	31	27	Jaw 6.4	Nose piece 6.4S *2	Jaw case 6.4S *2	Head 6.4S *2	Screw nut 6.4S *2	Jaw pusher 4.5	Pipe4.6
	ø6.0	31	27	Jaw 6.4	Nose piece 6.0S *2	Jaw case 6.4S *2	Head 6.4S *2	Screw nut 6.4S *2	Jaw pusher 4.0	Pipe4.2
	ø4.8	31	27	Jaw 4.8*1	Nose piece 4.8S *2	Jaw case 6.4S *2	Head 6.4S *2	Screw nut 6.4S *2	Jaw pusher 3.6	Pipe4.2
	ø4.0	28	27	Jaw 4.8	Nose piece 4.0S *2	Jaw case 4.8S *2	Head 4.8S *2	Screw nut 6.4S *2	Jaw pusher 3.1	Pipe3.5
	ø3.2	27	27	Jaw 4.8	Nose piece 3.2S *2	Jaw case 4.8S *2	Head 4.8S *2	Screw nut 6.4S *2	Jaw pusher 2.5	Pipe2.8
	ø2.4	25	25	Jaw 4.8	Nose piece 2.4S *2	Jaw case 4.8S *2	Head 4.8S *2	Screw nut 6.4S *2	Jaw pusher 1.9	Pipe2.3
DRV150 XVR01	ø4.8	31	27	Jaw 6.4*1	Nose piece 4.8S *2	Jaw case 4.8S *2	Head 4.8S *2	Screw nut 4.8S	Jaw pusher 3.6	Not required
	ø4.0	28	27	Jaw 4.8	Nose piece 4.0S *2	Jaw case 4.8S *2	Head 4.8S *2	Screw nut 4.8S	Jaw pusher 3.1	Not required
	ø3.2	27	27	Jaw 4.8	Nose piece 3.2S *2	Jaw case 4.8S *2	Head 4.8S *2	Screw nut 4.8S	Jaw pusher 2.5	Pipe2.8
	ø2.4	25	25	Jaw 4.8	Nose piece 2.4S *2	Jaw case 4.8S *2	Head 4.8S *2	Screw nut 4.8S	Jaw pusher 1.9	Pipe2.3

\*1: DRV250, XVR02/Jaw 4.8 is compatible for ø4.8 Rivet. DRV150, XVR01/ Jaw 6.4 is compatible for ø4.8 Rivet. (Different from the current)

\*2: Newly changed parts






# Accessories






Standard Accessories (DRV150)		
	191D57-7	Grease
	191C03-4 NEW: 1911U6-3*	<b><u>4.8mm (3/16") Accessory Set B</u></b> 4.8mm Nose Piece Jaw Pusher – Black
	191C04-2 NEW: 1911U1-3*	<b><u>4.0mm (5/32") Accessory Set B</u></b> 4.0mm Nose Piece Jaw Pusher – Grey
	199728-6 NEW: 1911U4-7*	<b><u>3.2mm (1/8") Accessory Set</u></b> 3.2mm Nose Piece Jaw Pusher – Black Pipe – Black
	199729-4 NEW: 1911U6-3*	<b><u>2.4mm (3/32) Accessory Set</u></b> 2.4mm Nose Piece Jaw Pusher – Grey Pipe – Silver

Optional Accessories (DRV150)		
	B-29979 B-29985 B-29991	<b><u>Double-Ended HSS-G Series</u></b> 3.3mm dia. 4.1mm dia. 4.9mm dia.
	B-56437 B-39089	<b><u>HSS Drill Bit – 1/4" Hex Shank</u></b> 3.3mm dia. – 10pc 3.3mm dia. – 5pc

\* Use new parts if serial number is 18999 or higher

# Accessories

Standard Accessories (DRV250)		
	191D57-7	Grease
	191F78-1 NEW: 1911U8-9	<b>6.4mm (1/4") Accessory Set</b> 6.4mm Nose Piece Jaw Pusher – Black Pipe – Silver
	199725-2 NEW: 1911V0-2	<b>6.0mm (1/4") Accessory Set</b> 6.0mm Nose Piece Jaw Pusher – Grey Pipe – Black
	191C03-4 NEW: 1911T9-0	<b>4.8mm (3/16") Accessory Set B</b> 4.8mm Nose Piece Jaw Pusher – Black
	199731-7	<b>Jaw Set 4.8</b> (For installing rivets 4.8mm or less)

Optional Accessories (DRV250)		
	191F80-4 NEW: 1911V3-6	<b>4.0mm (5/32") Accessory Set B</b> 4.0mm Nose Piece Jaw Pusher – Grey 4.8mm Jaws
	199728-6+199731-7 NEW: 1911U4-7	<b>3.2mm (1/8") Accessory Set</b> 3.2mm Nose Piece Jaw Pusher – Black Pipe – Black 4.8mm Jaws
	199729-4+199731-7 NEW: 1911U6-3	<b>2.4mm (3/32") Accessory Set</b> 2.4mm Nose Piece Jaw Pusher – Grey Pipe – Silver 4.8mm Jaws
	B-29979 B-29985 B-29991	<b>Double-Ended HSS-G Series</b> 3.3mm dia. 4.1mm dia. 4.9mm dia.
	B-56437 B-39089	<b>HSS Drill Bit – 1/4" Hex Shank</b> 3.3mm dia. – 10pc 3.3mm dia. – 5pc

\* Use new parts if serial number is 20077 or higher