

# Red Rooster Shut-Off Screwdrivers

PROFESSIONAL TOOLS FOR  
THE ASSEMBLY INDUSTRIE

[www.rami-yokota.com](http://www.rami-yokota.com)

Pistol, straight and  
angle models

Cordless Shut-off  
Screwdriver

Impact sockets

Accessories



 **red rooster**

# Main features

Construction and geometry of the shut-off clutch mechanism designed for:

- high accuracy ( $Cmk > 2$  at  $\pm 10\%$ )
- minimised reaction forces

Precision air motor enables the use of non-lubricated air.

Possibility to connect air on top.

High strength of the trigger Rod

Composite housing, designed for best ergonomics and light weight.

Increased surface area of silencer material for very low noise level.

Adjustable direction of exhaust air

# Fast and effective

Red Rooster is a notion in the European market since 1973. At that time introduced as our private brand but nowadays grown to one of the leading brands in the field of air tools. Red Rooster is well known for its reliable quality and offers you a complete range against interesting prices. This is especially true for the new Red Rooster screwdriver. A pistol model, angle or straight, we have it all available.

Availability and reliability; therefore you can count on us. We are also the right address for service and maintenance. Our professional workshop has excellent test and maintenance equipment allowing us to guarantee optimum performance of your Red Rooster tools. Together with our local partners we guarantee you: **productivity**.

## ISO-9001 certificated

The high level fastening quality required for critical areas is achieved with the advanced measuring capability and controlling performance based on ISO-9001 to offer you the highest quality

## Red Rooster Tools means quality tools



low  
reaction  
forces



low  
maintenance  
costs



low noise



low  
vibration



$Cmk > 2$  at  $\pm 10\%$



Pistol models

The Red Rooster shut-off screwdrivers have a large torque-range, are highly accurate, have a low vibration level, have a very ergonomic design and have a low noise level. The special design of the clutch combines low reaction forces with a high repeatability of the torque. This air tool is designed for the assembly industry, where threaded fasteners are used. The wide range of different speeds always allows the best choice for a specific need. Low speed for plastics and hose clamps, high speeds for machined screws. The screwdriver can be connected by 4 mm O.D. tube to a YTC-3 controller for batch counting.



Pistol model

Type	Brand	Hex drive	Bolt capacity mm	RPM	Torque Nm	Air-cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s²	Noise level dB(A)
RRI-SP11602	RRI	1/4" Hex	4	1.600	0,3 - 1,8	8	0,77	1/4"	6,5	<2,5	68
RRI-SP10902	RRI	1/4" Hex	4	900	0,3 - 2,2	8	0,77	1/4"	6,5	<2,5	68
RRI-SP21704	RRI	1/4" Hex	4	1.700	1,0 - 3,5	10	0,98	1/4"	6,5	<2,5	72
RRI-SP21104	RRI	1/4" Hex	4	1.100	1,5 - 4,0	10	0,98	1/4"	6,5	<2,5	72
RRI-SP20705	RRI	1/4" Hex	4	700	1,5 - 4,5	10	0,98	1/4"	6,5	<2,5	72
RRI-SP31706	RRI	1/4" Hex	5	1.700	3,5 - 6,0	12	1,1	1/4"	6,5	<2,5	72
RRI-SP31108	RRI	1/4" Hex	5	1.100	3,5 - 8,0	12	1,1	1/4"	6,5	<2,5	72
RRI-SP30710	RRI	1/4" Hex	6	700	3,5 - 10,0	12	1,1	1/4"	6,5	<2,5	72
RRI-SP30511	RRI	1/4" Hex	6	550	3,5 - 11,0	12	1,1	1/4"	6,5	<2,5	72

CHARACTERISTICS

- Shut-off
- Pistol design incomposite, with soft grip
- Reversible
- Grip-exhaust, silenced

- Ergonomic grip
- Easily torque adjustable
- Delivery includes hanger

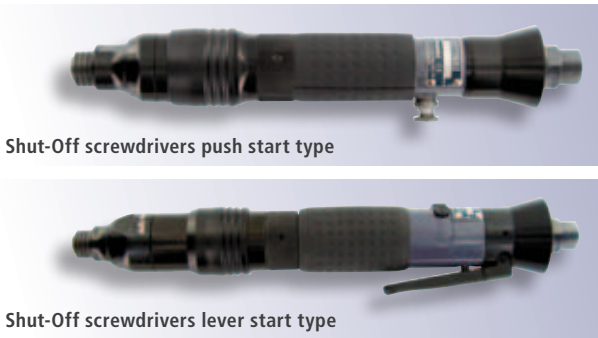
- Side grip optional for size 3 tools (order number: 766-027))

DIMENSIONS

Type	A mm	B mm	C mm
RRI-SP11602	198	16	157
RRI-SP10902	198	16	157
RRI-SP21704	209	18	157
RRI-SP21104	209	18	157
RRI-SP20705	209	18	157
RRI-SP31706	238	18	156
RRI-SP31108	238	18	157
RRI-SP30710	238	18	157
RRI-SP30511	238	18	157

Straight models

The Red Rooster Shut-Off screwdrivers have a large torque-range, are highly accurate and have a low vibration level. Very ergonomic design and low noise level. The special design of the clutch combines low reaction forces with a high repeatability of the torque. This air tool is designed for the assembly industry, where threaded fasteners are used. The screwdriver can be connected by 4 mm O.D. tube to a YTC-3 controller for batch counting.



Type	Brand	Hex drive	Bolt capacity mm	RPM	Torque Nm	Air-cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s²	Noise level dB(A)
------	-------	-----------	------------------	-----	-----------	---------------	-----------	--------------	------------------	----------------	-------------------

Shut-Off screwdrivers push start type (not for batch counting)

RRI-SD11602	RRI	1/4" Hex	4	1.600	0,3 - 1,8	8	0,54	1/4"	6,5	<2,5	68
RRI-SD10902	RRI	1/4" Hex	4	900	0,3 - 2,2	8	0,54	1/4"	6,5	<2,5	68
RRI-SD21704	RRI	1/4" Hex	4	1.700	1,0 - 3,5	10	0,77	1/4"	6,5	<2,5	72
RRI-SD21104	RRI	1/4" Hex	4	1.100	1,5 - 4,0	10	0,77	1/4"	6,5	<2,5	72
RRI-SD20705	RRI	1/4" Hex	4	700	1,5 - 4,5	10	0,77	1/4"	6,5	<2,5	72
RRI-SD31706	RRI	1/4" Hex	5	1.700	3,5 - 6,0	12	0,89	1/4"	6,5	<2,5	72
RRI-SD31108	RRI	1/4" Hex	5	1.100	3,5 - 8,0	12	0,89	1/4"	6,5	<2,5	72
RRI-SD30710	RRI	1/4" Hex	6	700	3,5 - 10,0	12	0,89	1/4"	6,5	<2,5	72
RRI-SD30511	RRI	1/4" Hex	6	550	3,5 - 11,0	12	0,89	1/4"	6,5	<2,5	72

Shut-Off screwdrivers lever start type

RRI-SL11602	RRI	1/4" Hex	4	1.600	0,3 - 1,8	8	0,59	1/4"	6,5	<2,5	68
RRI-SL10902	RRI	1/4" Hex	4	900	0,3 - 2,2	8	0,59	1/4"	6,5	<2,5	68
RRI-SL21704	RRI	1/4" Hex	4	1.700	1,0 - 3,5	10	0,84	1/4"	6,5	<2,5	72
RRI-SL21104	RRI	1/4" Hex	4	1.100	1,5 - 4,0	10	0,84	1/4"	6,5	<2,5	72
RRI-SL20705	RRI	1/4" Hex	4	700	1,5 - 4,5	10	0,84	1/4"	6,5	<2,5	72
RRI-SL31706	RRI	1/4" Hex	5	1.700	3,5 - 6,0	12	0,93	1/4"	6,5	<2,5	72
RRI-SL31108	RRI	1/4" Hex	5	1.100	3,5 - 8,0	12	0,93	1/4"	6,5	<2,5	72
RRI-SL30710	RRI	1/4" Hex	6	700	3,5 - 10,0	12	0,93	1/4"	6,5	<2,5	72
RRI-SL30511	RRI	1/4" Hex	6	550	3,5 - 11,0	12	0,93	1/4"	6,5	<2,5	72

CHARACTERISTICS

- Shut-off
- New straight design with soft grip
- Reversible
- Rear-exhaust, silenced

- Ergonomic grip, lever start
- Easily adjustable
- Delivery includes hanger
- Large torque range

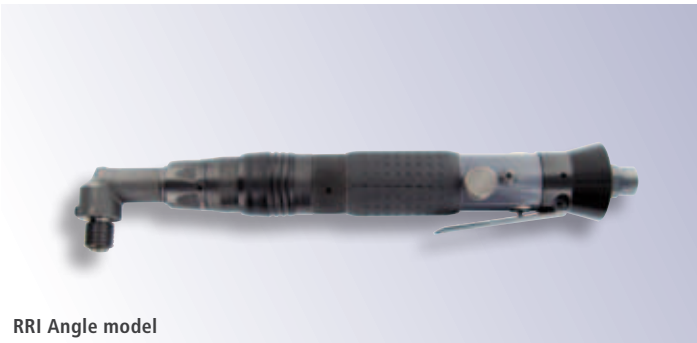
- Side grip delivered with size 3 tools (order number: 766-027)

DIMENSIONS

Type	A mm	B mm	Type	A mm	B mm
RRI-SD11602	228	16	RRI-SL11602	244	16
RRI-SD10902	228	16	RRI-SL10902	244	16
RRI-SD21704	244	18	RRI-SL21704	263	18
RRI-SD21104	244	18	RRI-SL21104	263	18
RRI-SD20705	244	18	RRI-SL20705	263	18
RRI-SD31706	276	18	RRI-SL31706	263	18
RRI-SD31108	276	18	RRI-SL31108	309	18
RRI-SD30710	276	18	RRI-SL30710	309	18
RRI-SD30511	276	18	RRI-SL30511	309	18

Angle models

The Red Rooster Shut-Off screwdrivers have a large torque-range, are highly accurate and have a low vibration level. Very ergonomic design and low noise level. The special design of the clutch combines low reaction forces with a high repeatability of the torque. This air tool is designed for the assembly industry, where threaded fasteners are used. The screwdriver can be connected by 4 mm O.D. tube to a YTC-3 controller for batch counting.



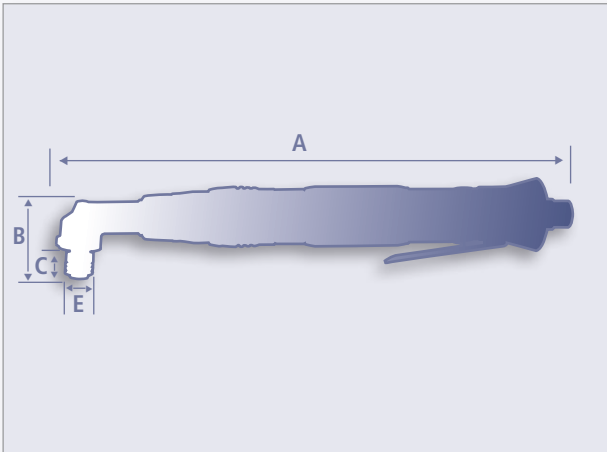
Type	Brand	Square / hex drive	Bolt capacity mm	RPM	Torque Nm	Air-cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s²	Noise level dB(A)
RRI-SA11602	RRI	1/4" Hex	4	1.600	0,3 - 1,8	8	0,82	1/4"	6,5	<2,5	68
RRI-SA10902	RRI	1/4" Hex	4	900	0,3 - 2,2	8	0,82	1/4"	6,5	<2,5	68
RRI-SA21704	RRI	1/4" Hex	4	1.700	1,0 - 3,5	10	1,02	1/4"	6,5	<2,5	72
RRI-SA21104	RRI	1/4" Hex	4	1.100	1,5 - 4,0	10	1,02	1/4"	6,5	<2,5	72
RRI-SA20705	RRI	1/4" Hex	4	700	1,5 - 4,5	10	1,02	1/4"	6,5	<2,5	72
RRI-SA31108	RRI	1/4" Hex	5	1.100	3,5 - 8,0	12	1,36	1/4"	6,5	<2,5	72
RRI-SA30710	RRI	1/4" Hex	6	700	3,5 - 10,0	12	1,36	1/4"	6,5	<2,5	72
RRI-SA30511	RRI	1/4" Hex	6	550	3,5 - 11,0	12	1,36	1/4"	6,5	<2,5	72
RRI-SA31108W	RRI	3/8" Square	5	1.100	3,5 - 8,0	12	1,36	3/8"	6,5	<2,5	72
RRI-SA30710W	RRI	3/8" Square	6	700	3,5 - 10,0	12	1,36	3/8"	6,5	<2,5	72
RRI-SA30511W	RRI	3/8" Square	6	550	3,5 - 11,0	12	1,36	3/8"	6,5	<2,5	72

CHARACTERISTICS

- Shut-off
- New angled body-design with soft grip
- Reversible
- Rear-exhaust, silenced

- Ergonomic grip, lever start
- Easily adjustable
- Delivery includes hanger
- Large torque range

DIMENSIONS



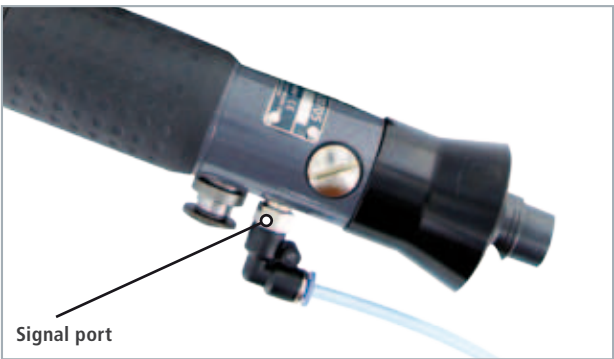
Type	A mm	B mm	C mm	E mm
RRI-SA11602	294	29	16,1	12
RRI-SA10902	294	29	16,1	12
RRI-SA21704	314	29	16,1	12
RRI-SA21104	314	29	16,1	12
RRI-SA20705	314	30,5	15,8	13,5
RRI-SA31108	350	30,5	15,8	13,5
RRI-SA30710	350	30,5	15,8	13,5
RRI-SA30511	350	30,5	15,8	13,5
RRI-SA31108W	350	30,5	15,8	13,5
RRI-SA30710W	350	30,5	15,8	13,5
RRI-SA30511W	350	30,5	15,8	13,5

Poka Yoke controller YTC-3

Quality assurance

In order to reduce the chance of faulty tightenings in the assembly process, the Poka Yoke controller YTC-3 offers great opportunities in combination with the Red Rooster shut-off screwdrivers RRI-S series.

The RRI-S series of screwdrivers have on the pistol models, on the angle models and on the straight models with lever start a signal port (M5 threaded). A hose coupling for 4 mm PU tube is delivered as part of the standard accessories. The signal port is receiving the (air-pressure) signal once the shut-off mechanism has been activated. Thus indicating that a correct tightening has been made.



Once the signal port is connected to the internal air pressure sensor of the YTC-3 controller, the analogue signal processing is converted into electronic signal processing. Setting the parameters (times, air pressures) correctly of the YTC-3 controller is done simply by push button menu. Simply stated, the controller will check if the tightening process is qualified as finished correctly by checking continuously the measured values against the preset windows. At the same time, the I/O terminal board of the controller offers the possibility to connect to the peripheral equipments, such as start buttons, limit switches, signaling lights / lamp towers, line control plc systems etc.

The YTC-3 controller judges the tightening process and an audio signal indicates to the operator the result of the judgment. The system can count the correct tightenings and offers group control, by audio signal and output signal to the I/O terminal board).

Controller YTC-3



System features

Power supply: 100 - 240V AC

- Input: 8
- Relay output: 4 opening and shutting capacity: max. DC-48W, AC-220VA)
- Output for solenoid valve: 1(DC24V 2W)
- Group control
- Double tightening detection
- Interlock with assembly line
- Error judgement on trigger