

Screwdrivers

Applications and mechanisms





Screwdrivers are available with various impact mechanisms. Each application has its own mechanism. Therefore please take note of the information below before purchasing a tool.

1-Hammer

The 1-hammer system makes 1 impact per rotation at 1 side of the anvil. This causes a higher energy per blow. The screwdrivers with the 1-hammer system are especially suitable for wood and steel screws.

2-Hammer

The 2-hammer system makes 2 impacts per rotation at both sides of the anvil. This mechanism is used for wood and steel screws and works more quiet than the 1-hammer system.

Direct drive

These direct drive screwdrivers are suitable for self-tapping screws and wood screws.

Clutch mechanism

Screwdrivers with a clutch type mechanism are used for standard applications with normal joints. The mechanism works by means of spring pressure. When reaching the torque the mechanism slips.

Shut-off mechanism

To comply with the ever increasing demands for screwdriving accuracy and work safety, we present a new range of pneumatic screwdrivers with maximum torque repeatability. Along with the exceptional torque accuracy, the new **Jointech Plus 2 torque control system has automatic high speed air shut off** to allow for a considerable reduction of the reaction to the operator's hand.

Screwdrivers

Hammer mechanism /
Directe drive



| Type | Brand | Drive | Screw capacity mm | Model | Rotations p/min | Torque Nm | Air consumption l/sec | Weight kg | Inlet thread | Hose diameter mm |
|------|-------|-------|-------------------|-------|-----------------|-----------|-----------------------|-----------|--------------|------------------|
|------|-------|-------|-------------------|-------|-----------------|-----------|-----------------------|-----------|--------------|------------------|

1-Hammer mechanism

| | | | | | | | | | | |
|--------|--------|----------|---|----------|--------|------|-----|------|---------|-----|
| YD-3A* | YOKOTA | 1/4" Hex | 4 | Straight | 12.000 | 7.5 | 1.6 | 0.50 | PT 1/8" | 6.5 |
| YD-4A* | YOKOTA | 1/4" Hex | 5 | Straight | 11.000 | 12.0 | 2.3 | 0.60 | PT 1/8" | 6.5 |
| YD-5A* | YOKOTA | 1/4" Hex | 6 | Straight | 10.000 | 15.5 | 3.2 | 0.85 | PT 1/8" | 6.5 |

2-Hammer mechanism

| | | | | | | | | | | |
|--------------|--------|----------|--------|----------|--------|----|-----|------|---------|-----|
| MID-600** | TOKU | 1/4" Hex | 3 - 5* | Pistol | 9.500 | 90 | 5.0 | 0.9 | PT 1/4" | 8.0 |
| YD-40PZ | YOKOTA | 1/4" Hex | 4 | Pistol | 14.000 | 15 | 1.6 | 0.52 | PT 1/4" | 6.5 |
| YD-600SZ** | YOKOTA | 1/4" Hex | 6 | Straight | 7.500 | 37 | 5.0 | 0.95 | PT 1/4" | 6.5 |
| YD-670-RF*** | YOKOTA | 1/4" Hex | 6 | Pistol | 7.500 | 90 | 6.1 | 0.98 | PT 1/4" | 6.5 |

Direct drive

| | | | | | | | | | | |
|---------|-----|----------|---|--------|-------|------|------|-----|---------|----|
| RR-8724 | RRA | 1/4" Hex | 6 | Pistol | 800 | 10.5 | 10.3 | 1.4 | PT 1/4" | 10 |
| RR-8725 | RRA | 1/4" Hex | 6 | Pistol | 1.800 | 7.5 | 9.8 | 1.0 | PT 1/4" | 10 |

* = supplied with regulator

** = air supply adjustable with 4 step button

*** = supplied with rubber protection cover

Screwdrivers

Clutch- / shut-off mechanism



| Type | Brand | Drive | Screw-capacity mm | Model | Rotations p/min | Torque Nm | Air consumption l/sec | Weight kg | Inlet thread | Hose diameter mm |
|------|-------|-------|----------------------|-------|--------------------|--------------|-----------------------------|--------------|-----------------|------------------------|
|------|-------|-------|----------------------|-------|--------------------|--------------|-----------------------------|--------------|-----------------|------------------------|

Clutch type mechanism (adjustable)

| | | | | | | | | | | |
|-----------|--------|----------|---|----------|-------|----------|------|------|---------|-----|
| YD-400SCA | YOKOTA | 1/4" Hex | 4 | Straight | 1.700 | 3.2 | 2.5 | 0.56 | PT 1/8" | 6.5 |
| YD-5PHCA | YOKOTA | 1/4" Hex | 5 | Pistol | 1.650 | 6.6 | 5.8 | 1.20 | PT 1/4" | 6.5 |
| RR-550 | RRA | 1/4" Hex | 6 | Pistol | 750 | 0.5 - 16 | 10.0 | 1.50 | PT 1/4" | 6.4 |
| RR-580 | RRA | 1/4" Hex | 6 | Straight | 800 | 5.0 - 16 | 10.0 | 1.20 | PT 1/4" | 9.0 |

Shut-off mechanism

| | | | | | | | | | | |
|------------|-----|----------|---|----------|-------|------------|-----|------|---------|-----|
| RRI-0830SP | RRI | 1/4" Hex | 4 | Straight | 1.300 | 1.0 - 3.0* | 2.6 | 0.60 | PT 1/8" | 6.5 |
| RRI-0830SL | RRI | 1/4" Hex | 4 | Straight | 1.300 | 1.0 - 3.0* | 2.6 | 0.65 | PT 1/8" | 6.5 |
| RRI-2580SP | RRI | 1/4" Hex | 5 | Straight | 1.000 | 2.5 - 8.0 | 8.0 | 0.87 | PT 1/4" | 9.0 |
| RRI-0530P | RRI | 1/4" Hex | 5 | Pistol | 900 | 0.5 - 3.0 | 3.3 | 0.75 | PT 1/4" | 9.0 |
| RRI-25100P | RRI | 1/4" Hex | 6 | Pistol | 500 | 2.5 - 10.0 | 6.3 | 1.10 | PT 1/4" | 9.0 |

* = hard joint

soft joint: RRI-0830 SP/SL = 0.8 - 2.5

See next page for screwdriver controls.

Screwdrivers

Control and accessories



Push start
RRI-2580SP

1-Hammer mechanism

| | |
|-------|------------|
| YD-3A | Push start |
| YD-4A | Push start |
| YD-5A | Push start |



Lever control
RRI-0830SL

2-Hammer mechanism

| | |
|------------|----------------|
| EID-600 | Trigger start |
| YD-40PZ | 2-step trigger |
| YD-600SZ | Lever control |
| YD-670A-RF | 4-step trigger |



Trigger start
RRI-25100P

Direct drive

| | |
|---------|---------------|
| RR-8724 | Trigger start |
| RR-8725 | Trigger start |



4-step trigger
YD-670-RF

Clutch type mechanism (adjustable)

| | |
|-----------|---------------|
| YD-400SCA | Push start |
| YD-5PHCA | Trigger start |
| RR-550 | Trigger start |
| RR-580 | Lever control |



2-step trigger
YD-5PHCA

Shut-off mechanism

| | |
|------------|---------------|
| RRI-0830SP | Push start |
| RRI-0830SL | Lever control |
| RRI-2580SP | Push start |
| RRI-0530P | Trigger start |
| RRI-25100P | Trigger start |



Spring balancers

In order to support the weight of tools, the use of a spring balancer should be considered. The performance of the tool will be speeded up due to good balance and reduced operator fatigue, when using a spring balancer. For more information we refer to the special chapter.

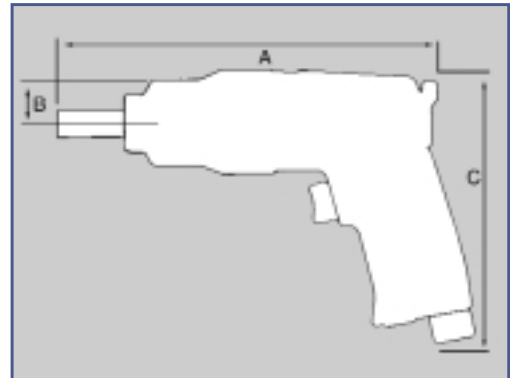
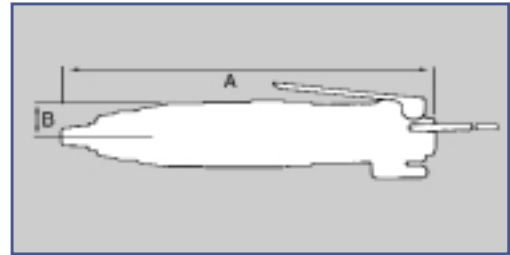
The YD-400SCA and YD-5PHCA are supplied as standard with set screw spanner number 2201-0234-00-00.

Automotive models RR-550 and RR-580 are supplied with 3 torque springs (10 Nm low, 12 Nm medium and 16 Nm high).

Screwdrivers

Dimensions

| Type | A | B | C |
|-------------|-----|------|-----|
| MID-600 | 149 | 22 | 161 |
| RR-550 | 227 | 150 | 155 |
| RR-580 | 260 | 50 | - |
| RR-8724 | 185 | 20 | 155 |
| RR-8725 | 200 | 20 | 155 |
| RRI-0530 P | 200 | 15 | 200 |
| RRI-0830 SP | 220 | 15 | - |
| RRI-0830 SL | 240 | 15 | - |
| RRI-2580 SP | 245 | 20 | - |
| RRI-25100 P | 245 | 20 | 155 |
| YD-3A | 168 | 13.5 | - |
| YD-4A | 180 | 16 | - |
| YD-5A | 200 | 19 | - |
| YD-5PHCA | 217 | 20 | 154 |
| YD-40PZ | 107 | 18 | 125 |
| YD-400SCA | 209 | 16.5 | - |
| YD-600SZ | 206 | 23 | - |
| YD-670A-RF | 149 | 22 | 167 |



RR-8724



RR-580

All screwdrivers adopt 1/4" standard type hexagon insert bits and are reversible.

Springs for torque adjustment

| Type | Spring pink | Spring brown | Spring grey | Spring red | Spring blue | Spring neutral |
|------------|-------------|----------------------|-------------|------------------------|-------------|----------------|
| RRI-0830SP | 1 - 3* | 0.8 - 3 [^] | - | - | - | - |
| RRI-0830SL | 1 - 3* | 0.8 - 3 [^] | - | - | - | - |
| RRI-0530P | - | - | 0.8 - 3.3* | 0.4 - 1.7 [^] | - | - |
| RRI-2580SP | - | - | - | - | 2.5 - 8* | - |
| RRI-25100P | - | - | - | - | - | 2.5 - 10* |

* = mounted on the tool / [^] = supplied with the tool