

Ingersoll-Rand®

1 Series Light Assembly Tools

All in 1

THE RIGHT TOOL AT THE RIGHT PRICE

HIGH PERFORMANCE TOOLS

- Accurate tools with high precision clutch.
 - Lightweight and compact design for maximum operator comfort and efficiency.
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HIGH QUALITY DESIGN

- Superior reliability thanks to IR proven design.
 - Fast, simple and low cost maintenance.
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New Range



Straight Screwdrivers

- Ten models of inline fastening tools.
- 0.2 to 5.1 Nm torque range.
- Soft-touch grip and convenient control (push or lever start) for operator comfort.
- Automatic shut-off and cushion clutch models.



Pistol Grip Screwdrivers

- 5 compact lightweight pistol grip models.
- Push to start or trigger start version.
- Automatic shut-off and cushion clutch models.
- Soft-touch grip and convenient control for operator comfort.



Angle Wrenches

- 4 angle models.
- Shut-off and direct drive versions
- Square drive and quick change spindles.
- Control by lever.
- Soft-touch grip and convenient control for operator comfort



Production Drills

- 8 models, pistol, straight or angle.
- 0.2 and 0.3 air motor (0.14 to 0.23 kW).
- Speeds from 600 to 3800 rpm.
- Compact and lightweight design.
- Precision control through progressive lever or trigger.
- Soft touch coating for secured grip with minimal grip force.

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1 Series Light Assembly Tools

Technical Specifications



Fastening Tools (specifications at 620 kPa - 90 psi)

| Model No. / Push to start control | Model No. / Trigger or lever control | Clutch type | Torque range (soft joint) Nm | Spindle type | Free speed rpm | Total weight kg | Overall length mm | Side to centre dist. mm |  | Air inlet in |
|-----------------------------------|--------------------------------------|--------------|---------------------------------|----------------|-------------------|--------------------|----------------------|----------------------------|---|-----------------|
| STRAIGHT MODELS | | | | | | | | | | |
| 1RPLS1 | — | Shut-off | 0.4 - 1.45 | 1/4 Quick Ch. | 2800 | 0.50 | 213 | 14 | — | 1/8 NPTF |
| 1RPMS1 | — | Shut-off | 0.30 - 2.25 | 1/4 Quick Ch. | 1650 | 0.50 | 222 | 14 | — | 1/8 NPTF |
| 1RPNS1 | 1RLNS1 | Shut-off | 0.15 - 3.40 | 1/4 Quick Ch. | 1000 | 0.50 | 222 | 14 | — | 1/8 NPTF |
| 1RPQS1 | 1RLQS1 | Shut-off | 0.15 - 5.10 | 1/4 Quick Ch. | 500 | 0.50 | 222 | 17 | — | 1/8 NPTF |
| 1RPMC1 | 1RLMC1 | Cushion | 0.30 - 2.25 | 1/4 Quick Ch. | 1650 | 0.48 | 222 | 14 | — | 1/8 NPTF |
| 1RPNC1 | 1RLNC1 | Cushion | 0.15 - 3.40 | 1/4 Quick Ch. | 1000 | 0.48 | 222 | 14 | — | 1/8 NPTF |
| PISTOL MODELS | | | | | | | | | | |
| 1RTMS1 | — | Shut-off | 0.30 - 2.25 | 1/4 Quick Ch. | 1650 | 0.68 | 217 | 17 | — | 1/8 NPTF |
| 1RTNS1 | — | Shut-off | 0.15 - 3.40 | 1/4 Quick Ch. | 1000 | 0.68 | 217 | 17 | — | 1/8 NPTF |
| 1RTQS1 | — | Shut-off | 0.15 - 5.10 | 1/4 Quick Ch. | 500 | 0.68 | 222 | 17 | — | 1/8 NPTF |
| — | 1RAMC1 | Cushion | 0.30 - 2.25 | 1/4 Quick Ch. | 1650 | 0.68 | 217 | 17 | — | 1/8 NPTF |
| — | 1RANC1 | Cushion | 0.15 - 3.40 | 1/4 Quick Ch. | 1000 | 0.68 | 217 | 17 | — | 1/8 NPTF |
| ANGLE MODELS | | | | | | | | | | |
| — | 1RLM2S5 | Shut-off | 0.45 - 3.40 | 1/4 Square Dr. | 1100 | 0.79 | 318 | 13 | 33 | 1/8 NPTF |
| — | 1RLN2S5 | Shut-off | 0.25 - 5.20 | 1/4 Square Dr. | 700 | 0.79 | 318 | 13 | 33 | 1/8 NPTF |
| — | 1RLN2S3 | Shut-off | 0.25 - 5.20 | 1/4 Bit Holder | 700 | 0.79 | 318 | 13 | 31 | 1/8 NPTF |
| — | 1RLN2D5 | Direct drive | 5.20 | 1/4 Square Dr. | 700 | 0.60 | 211 | 13 | 33 | 1/8 NPTF |



Production Drills (specifications at 620 kPa - 90 psi)

| Model number | Free speed | Motor power | Stalling torque | Chuck / collet capacity | Total weight | Overall length | Side to centre distance |  | Air inlet | |
|---|------------|-------------|-----------------|-------------------------|--------------|----------------|-------------------------|---|-----------|--|
| | rpm | kW / HP | Nm | mm | kg | mm | mm | | | |
| STRAIGHT MODELS - NON REVERSIBLE - LEVER START | | | | | | | | | | |
| 1LL1 | 2800 | 0.14 / 0.20 | 1.70 | 6 mm | 0.51 | 194 | 17 | — | 1/4 NPTF | |
| 1S30MF4 | 3000 | 0.23 / 0.30 | 1.90 | 6 mm | 0.54 | 186 | 16.5 | — | 1/4 NPTF | |
| PISTOL MODELS - NON REVERSIBLE - TRIGGER START | | | | | | | | | | |
| 1P06ST4 | 600 | 0.23 / 0.30 | 11.3 | 6 mm | 0.68 | 171 | 17 | — | 1/4 NPTF | |
| 1P09ST4 | 900 | 0.23 / 0.30 | 7.60 | 6 mm | 0.68 | 171 | 17 | — | 1/4 NPTF | |
| 1AL1 | 2800 | 0.14 / 0.20 | 1.70 | 6 mm | 0.65 | 159 | 16.5 | — | 1/4 NPTF | |
| 1P38ST4 | 3800 | 0.23 / 0.30 | 2.30 | 6 mm | 0.65 | 159 | 17 | — | 1/4 NPTF | |
| ANGLE MODELS - NON REVERSIBLE - TRIGGER START | | | | | | | | | | |
| 1LL1A1 | 2700 | 0.14 / 0.20 | 1.60 | 1/4"-28 F | 0.51 | 234 | 8 | 28 | 1/4 NPTF | |
| 1LJ1A1 | 3700 | 0.14 / 0.20 | 1.10 | 1/4"-28 F | 0.51 | 234 | 8 | 28 | 1/4 NPTF | |



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