

# Production Air Tools & Accessories

**DOBCO**  
EQUIPMENT LTD

Ontario's Largest  
Pneumatic & Hydraulic Tool Distributor

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**BOSCH**

Invented for life





## Quality By Design

Sturdy construction, highest quality materials and intense quality control of every Bosch production tool insures product reliability. Our C·L·E·A·N-tools make oilers and related oiler maintenance obsolete. Reduced air consumption and easy servicing are always a design factor; this helps reduce energy and maintenance costs for the end user. Excellent ergonomics coupled with the high speed of Bosch tools reduce assembly cycle time and optimize work flow.

## Environmentally-Friendly Design

Protection of the environment is always a consideration when designing and manufacturing Bosch production tools. From design to production to packaging, environmentally-friendly and energy-saving steps are in place to insure we do everything possible to renew our resources.

### **Conformity**

All air tools listed in this catalog conform to the following standards or standard documentation:  
EN 792, EN 50144 (in accordance with standard regulation 392/EWG).



Certified in accordance with ISO 9001

Certificate no. FM 30078

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- C** Consumption optimized
- L** Lubrication free
- E** Ergonomic
- A** Air tool
- N** Noise reduction

## **Bosch C·L·E·A·N Technology: What is it, and what are the advantages?**

C·L·E·A·N is actually an acronym that denotes several technical features of part of our range of air tools and air motors. C·L·E·A·N technology protects the workpiece, the tool user and the environment by eliminating the need for automatic oilers, reducing air consumption and reducing tool noise. C·L·E·A·N motors NEVER need oil, but are not affected by existing oilers in a facility! C·L·E·A·N technology reduces tool air consumption by up to 30%, (reducing facility energy costs) and reduces tool noise by several decibels depending on application. Look for the C·L·E·A·N symbol in this catalog; it will save you money, energy and repair time while reducing worker complaints based on noise and air pollution in the workplace.



## **The Many Benefits of Bosch Ergonomic Design**

Bosch Air Tools fit perfectly into most any hand. They are lightweight, quiet and run smooth. Our polyamide (fiberglass-reinforced plastic) housing effectively insulates against temperature extremes produced by the air motor, provides maximum grip comfort and is light, rigid & virtually indestructible. Polyamide is used in many of our products; some straight and angle drivers may use other materials. Polyamide saves as much as 40% of total tool housing weight, giving our tools an excellent power to weight ratio. You'll be amazed at how light and comfortable our tools feel in your hand.

### **Bosch Design Reduces Your Spare Part Inventory**

Controlling maintenance costs is important in today's competitive production environment. It's important to Bosch to produce tools that help you do just that. Our tools are designed to provide years of trouble-free service, but eventually, air motors can wear or tool damage may occur during use. We design our tools by family; they share many of the same air motors, housings and clutches across a wide range of tools. Our shut-off, cushion and S-plus clutches share many of the same parts, and even our housings are used across several applications. A T-grip drill may share the same housing with a T-grip shut-off driver; a 1/4 horsepower C·L·E·A·N air motor is used in many applications of straight drivers, angle nutrunners and drills. The more common parts we use in design, the more your total operating costs are reduced over the life of the tools.



### **Bosch Air Tools Provide Many Distinct Advantages:**

Bosch production tools stand out for their progressive technology, excellent ergonomic design and quality workmanship. Bosch air tools are versatile, efficient and reliable.

- C·L·E·A·N tools protect the workpiece, the user and the environment while reducing noise and air consumption.
- Production air motors run cool: The expanding compressed air eliminates motor overheating and burn out.
- Air motors don't produce sparks and are ideal for use in damp areas.
- Polyamide housings insulate against temperature extremes, provide maximum grip comfort and are light, rigid & virtually indestructible.
- Bosch tools share many of the same air motors, housings and clutches and are easy to maintain and repair.
- Bosch impulse and impact tools provide minimal torque reaction to the user.
- Precise shut-off clutches guarantee accurate, repeatable torque control for hard and soft joints alike.
- Ratcheting cushion clutches and our patented S-plus clutches handle a wide range of prevailing torque fasteners with ease.

# Bosch Clutches: The Right Accuracy for Any Fastening Application

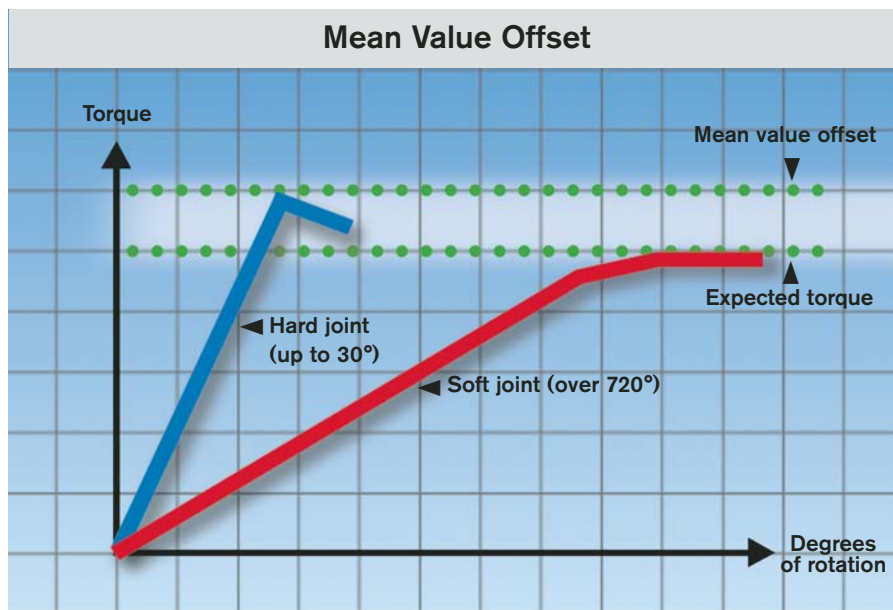


## Bosch Automatic Shut-Off Clutch Features

Our shut-off clutch is designed to minimize user influence on the fastening process. Bosch shut-off clutches are among the worlds' best in providing excellent repeatability & accuracy; they are ideal for fastening applications where torque accuracy is critical. Our repeatability rivals that of some DC-feedback tools costing thousands more than comparable Bosch air-driven tools.

## A Proven Performer

The patented Bosch shut-off clutch has been used in hundreds of applications over the years and is a proven performer in many real-world production environments. Our patented ball & detent design is virtually wear-free; the clutch will last for millions of fastening cycles before it must be replaced. The tool runs until the shut-off clutch disables the air motor by closing the air inlet valve. The tool runs again when the operator releases the trigger or moves to the next fastener (some push start models do not require a trigger).



## Precise, Accurate Shut-Off

Our Shut-off clutch ensures high torque repeatability and accuracy. Whether in a hard joint application of 30 degrees or a soft joint of 720 degrees, the clutch guarantees an extremely low mean value offset and consistent torque. Clutch quality conforms to ISO 5393 requirements.

## Precise and Stable Under Load

Bosch quality testing for our shut-off clutch is extremely rigorous. Each version of air tool with a shut-off clutch must survive a one million (1,000,000) cycle test under load without failure or excessive adjustment during development. All ball & detent-type Bosch clutches (shut-off, cushion & S-plus) provide 15% greater torque in reverse for removing fasteners. Precise adjustment is done with a special wrench. Modular design means fewer parts can cover several ranges & types of clutch.

### Ratcheting Cushion Clutch Features

The Bosch ratcheting cushion clutch shares many parts with the shut-off clutch; in principle, it works exactly the same as our shut-off clutch, but does not turn off the air motor of the tool when desired torque is reached. As a result, the tool ratchets on a cushion of clutch balls until the operator releases the trigger. It's great for soft joints or prevailing torque fasteners such as wood, sheet metal and self-tapping screws and provides good torque accuracy. The user can have a slight influence on final torque by allowing the clutch to ratchet for a longer period of time.

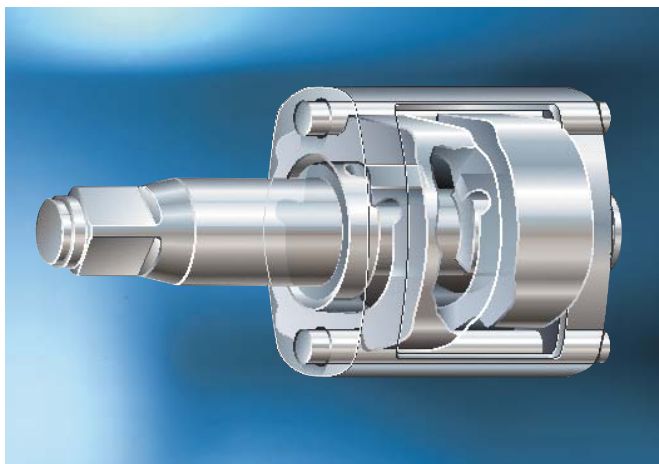
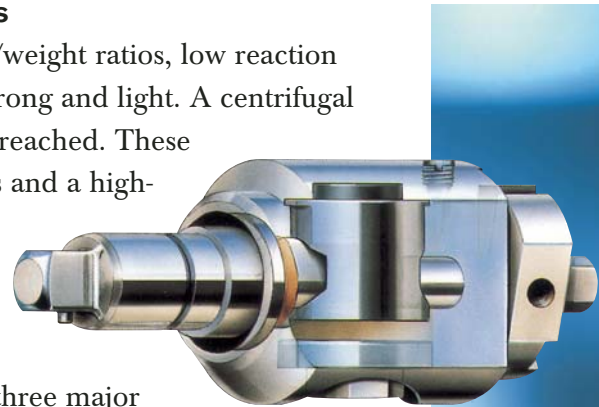
### S-Plus Combination Clutch Features

The Bosch S-Plus combo clutch is unique in the fastening industry. It is ideal for prevailing torque fasteners where start torque exceeds seat torque, such as a self-tapping screw. It combines the function of a shut-off and ratcheting cushion clutch into one clutch; this is done by installing a bypass valve on a standard shut-off clutch to allow the air motor to run when desired. An example would be a self-tapping screw in thick plastic: the initial torque needed to get the screw started is higher than desired final seat torque. The user can bypass the shut-off clutch and allow it to perform as a ratcheting cushion type until the threads are cut. Once the screw begins to spin freely, the bypass lever is released and the clutch becomes a shut-off type!

### T-Grip Impulse Wrench (With Shut-Off Function) Features

Bosch T-Grip impulse wrenches offer excellent performance/weight ratios, low reaction speed and low noise. A Polyamide housing makes the tool strong and light. A centrifugal shut-off mechanism shuts off the tool when desired torque is reached. These tools provide a more accurate alternative to impact wrenches and a higher-rpm alternative to shut-off clutch tools.

Bosch impulse wrenches are especially compact thanks to a patented impulse method of piston compression in a bath of hydraulic oil. The impulse mechanism from Bosch has only three major moving parts which increase longevity and resist higher loads than sleeve valve or vane type impulse mechanisms. Bosch impulse wrenches require no special tools, vacuums or syringes for service, and a typical oil change can be done in less than 10 minutes!



### Impact Wrenches

Bosch production impact wrenches are ideal for large fasteners with low torque accuracy and high rpm demands. They tighten the fastener using rotary impact pulses in a pin-type impact unit. High-alloy materials insure long life and minimal service demand.

# Choosing the Proper Tool for a Specific Fastener & Joint



Torque accuracy is dependent on finding the right driver for the desired fastener and type of joint (hard or soft).

The perfect torque for a fastener and joint is dependent on the type of application. Joints are referred to as “hard” or “soft”, depending on the material being secured. Hard joints are typically very repeatable; soft joints will produce a lower acceptable torque value for the same fastener since the joint crushes more as it is tightened. Torque deviation rises in soft joints. It’s impossible to account for all fastening scenarios in a catalog; there are too many possible variables in the fastening process. Always verify tool application to a joint with an actual test using torque measuring equipment and the actual joint. This chart gives an overview of the potential benefits & torque accuracy of each type of driver/clutch with various fastening applications.

## Clutch Torque Accuracy/Repeatability

| Joint types (from hardest to softest)   | Fastener rotation in degrees                                    | Screwdrivers with automatic shut-off clutches for high, uniform torque accuracy.      | Screwdrivers with ratcheting cushion clutch for normal joints with moderate torque accuracy. | Impulse wrenches feature low reaction torque, but with high torque accuracy. | Impact wrenches for high torque with restricted tolerance accuracy. | Direct drive for joints with low torque accuracy. Maximum torque is reached when the motor is stalled. |
|---|---|---|--|--|---|--|
| Torque vs Revolutions graph showing a sharp increase in torque at the end of the curve. | Hard joint: up to 30° rotation                                  | Very good clutch performance  | Satisfactory clutch performance  | Satisfactory clutch performance  | Satisfactory depending on required torque accuracy                  | Low  |
| Torque vs Revolutions graph showing a sharp increase in torque at the end of the curve. | Hard joint: up to 60° rotation                                  | Very good to good clutch performance  | Satisfactory   | Satisfactory   | Low   | Low  |
| Torque vs Revolutions graph showing a moderate increase in torque.                      | Medium joint: over 60° rotation                                 | Good if shut-off function is still working correctly (and not shutting off too early) | Satisfactory   | Satisfactory   | Low   | Low  |
| Torque vs Revolutions graph showing a gradual increase in torque.                       | Soft joint over 120° rotation                                   | Good if shut-off function is still working correctly (and not shutting off too early) | Satisfactory if ratchet function is still working correctly                                  | Satisfactory   | Low   | Low  |
| Torque vs Revolutions graph showing a gradual increase in torque.                       | Soft joint over 120° rotation on self-tapping screw             | Good if shut-off function is still working correctly (and not shutting off too early) | Satisfactory if ratchet function is still working correctly                                  | Low  | Low   | Low  |
| Torque vs Revolutions graph showing a gradual increase in torque.                       | Soft joint over 120° rotation on prevailing torque (wood) screw | Good if shut-off function is still working correctly (and not shutting off too early) | Satisfactory if ratchet function is still working correctly                                  | Low  | Low if screw is still being turned                                  | Low  |



# Torque Guide for Various Grades & Sizes of Metric Fasteners



This chart is a guide for determining maximum fastening torque (in Nm) for various grades and sizes of metric fasteners. The assumed screw head friction is  $\mu_{ges} = 0.12$ , as calculated from the tensile cross-section of the listed fastener. This chart is only a recommendation based on industry standards; actual use and application of a torque value to a fastener may vary based on application.

## Metric Screw Strength Grades

| Standard Metric Screw Sizes | 5.8    | 6.8    | 6.9    | 8.8    | 10.9   | 12.9   | 14.9   |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|
| M 1                         | 0.0239 | 0.0287 | 0.0322 | 0.0382 | 0.0539 | 0.0646 | 0.0755 |
| M 1.2                       | 0.0456 | 0.0547 | 0.0618 | 0.0732 | 0.103  | 0.123  | 0.144  |
| M 1.4                       | 0.074  | 0.088  | 0.099  | 0.118  | 0.166  | 0.199  | 0.232  |
| M 1.6                       | 0.106  | 0.128  | 0.144  | 0.17   | 0.238  | 0.288  | 0.336  |
| M 1.8                       | 0.166  | 0.2    | 0.225  | 0.265  | 0.373  | 0.45   | 0.52   |
| M 2                         | 0.22   | 0.264  | 0.297  | 0.35   | 0.5    | 0.595  | 0.695  |
| M 2.5                       | 0.444  | 0.54   | 0.608  | 0.72   | 1.02   | 1.21   | 1.42   |
| M 3                         | 0.78   | 0.935  | 1.05   | 1.24   | 1.75   | 2.1    | 2.45   |
| M 4                         | 1.78   | 2.14   | 2.4    | 2.9    | 4      | 4.8    | 5.6    |
| M 5                         | 3.5    | 4.21   | 4.73   | 5.5    | 8      | 9.4    | 11     |
| M 6                         | 6.02   | 7.22   | 8.13   | 9.7    | 13.6   | 16.2   | 18.9   |
| M 8                         | 14.6   | 17.5   | 19.7   | 23     | 33     | 39     | 46     |
| M 10                        | 29     | 35     | 39     | 47     | 65     | 78     | 92     |
| M 12                        | 50     | 60     | 67     | 80     | 113    | 135    | 15     |
| M 14                        | 79     | 95     | 107    | 130    | 180    | 215    | 251    |
| M 16                        | 122    | 147    | 165    | 196    | 275    | 330    | 386    |
| M 18                        | 168    | 202    | 227    | 270    | 380    | 450    | 530    |
| M 20                        | 238    | 286    | 320    | 385    | 540    | 635    | 750    |
| M 22                        | 320    | 385    | 430    | 510    | 715    | 855    | 1010   |
| M 24                        | 410    | 490    | 455    | 650    | 910    | 1100   | 1290   |
| M 27                        | 605    | 725    | 815    | 960    | 1345   | 1615   | 1900   |
| M 30                        | 820    | 990    | 1110   | 1300   | 1830   | 2200   | 2600   |
| M 33                        | 1110   | 1340   | 1500   | 1770   | 2480   | 2980   | 3500   |
| M 36                        | 1430   | 1720   | 1930   | 2260   | 3170   | 3810   | 4500   |
| M 39                        | 1850   | 2220   | 2500   | 2970   | 4170   | 5000   | 5800   |
| M 42                        | 2290   | 2750   | 3100   | 3670   | 5170   | 6200   | 7230   |

# Driver Selection Based on Fastener Size & Recommended Torque



## Legend

### 1 - Screw Class / Torque Range

This chart provides an overview of the recommended torques for popular metric fasteners. The recommended torque for fastener classes 8.8 & 6.6 refers to untreated, oil coated screws with a friction coefficient of 0.125. Torque values correspond to approximately 62% of the fastener yield point. Torque values are for hard joints only; soft joint values will be lower.

### 2 - High Accuracy/Repeatability

Drivers in this range are ideal for hard or soft joints with high torque accuracy & repeatability demands. These drivers tend to have an upper torque limit due to reaction torque effect on the user at higher settings. **Advantages:** Very accurate, low-noise, low wear, long service life, very little operator influence on torque.

### 3 - High Accuracy/Repeatability

Drivers in this range are ideal for hard or soft joints with high torque accuracy & repeatability demands. **Advantages:** Very accurate, low-noise, low wear, long service life, very little operator influence on torque.

### 4 - Good Accuracy/Repeatability

Drivers in this range are good for hard or soft joints with medium torque accuracy & repeatability demands, such as self-tapping or wood fastener applications. These drivers tend to have an upper torque limit due to reaction torque effect on the user at higher settings. **Advantages:** Accurate, low-noise, low wear, long service life, little operator influence on torque.

### 5 - Good Accuracy/High Speed

Impulse drivers in this range are good for hard joints requiring medium torque accuracy & repeatability, but high speed. Very low torque reaction, low in noise and wear. **Advantages:** Fast, accurate, low noise, low wear; shut off models have little operator influence on torque.

### 6 - High Torque/High Speed

For hard joints on large fasteners requiring lower torque accuracy and high speed. Very low torque reaction without upper torque limit (no shut-off function). **Advantages:** Fast.

| Metric screw sizes by strength class |       | Torque (Nm/ft-lbs.) | Shut-off Clutch Straight & T-Grip Screwdrivers |                |                |                |                |       |  |
|--------------------------------------|-------|---------------------|--|----------------|----------------|----------------|----------------|-------|--|
| 8.8                                  | 6.6   |                     | 0 607 A59 2...                                 | 0 607 A54 2... | 0 607 A53 2... | 0 607 A53 4... | 0 607 A61 2... | 0 607 |  |
| M 30                                 |       | 1000/738            |  |                |                |                |                |       |  |
|                                      | M 30  |                     |  |                |                |                |                |       |  |
| M 24                                 |       | 500/369             |  |                |                |                |                |       |  |
| M 22                                 | M 27  |                     |  |                |                |                |                |       |  |
| M 20                                 | M 24  |                     |  |                |                |                |                |       |  |
| M 18                                 | M 22  |                     |  |                |                |                |                |       |  |
| M 16                                 | M 20  |                     |  |                |                |                |                |       |  |
| M 14                                 | M 18  | 100/74              |  |                |                |                |                |       |  |
|                                      | M 16  |                     |  |                |                |                |                |       |  |
| M 12                                 | M 14  | 50/37               |  |                |                |                |                |       |  |
| M 10                                 | M 12  |                     |  |                |                |                |                |       |  |
| M 8                                  | M 10  |                     |  |                |                |                |                |       |  |
|                                      | M 8   | 10/7.4              |  |                |                |                |                |       |  |
| M 6                                  |       | 5/3.7               |  |                |                |                |                |       |  |
|                                      | M 6   |                     |  |                |                |                |                |       |  |
| M 5                                  |       |                     |  |                |                |                |                |       |  |
|                                      | M 5   |                     |  |                |                |                |                |       |  |
| M 4                                  |       |                     |  |                |                |                |                |       |  |
| M 3.5                                |       |                     |  |                |                |                |                |       |  |
|                                      | M 4   |                     |  |                |                |                |                |       |  |
| M 3                                  |       | 1/0.74              |  |                |                |                |                |       |  |
|                                      | M 3   |                     |  |                |                |                |                |       |  |
| M 2.5                                |       | 0.5/0.37            |  |                |                |                |                |       |  |
|                                      | M 2.5 |                     |  |                |                |                |                |       |  |
| M 2                                  |       |                     |  |                |                |                |                |       |  |
|                                      | M 2   |                     |  |                |                |                |                |       |  |
| M 1.8                                |       |                     |  |                |                |                |                |       |  |
| M 1.6                                | M 1.8 |                     |  |                |                |                |                |       |  |
| M 1.4                                |       | 0.1/0.07            |  |                |                |                |                |       |  |
|                                      | M 1.6 |                     |  |                |                |                |                |       |  |
| M 1.2                                |       |                     |  |                |                |                |                |       |  |
|                                      | M 1.4 |                     |  |                |                |                |                |       |  |
|                                      |       |                     | 1  |                | 2              |                |                |       |  |



## with CLEAN Oil-free 20–120 Watt Motors

### 20 Watt Pencil-Style Straight Screwdrivers

- Ideal for micro-electronics, eyewear, and other small assemblies
- C-L-E-A-N motor technology reduces noise & air consumption and eliminates the need for oil
- Clean room certified air motor
- Integrated screw vacuum system when used with optional guide sleeve (see accessory pages 36-37)
- Optional exhaust air hose
- Lightweight, break-resistant polyamide housing
- Locking reverse button



### Pencil-Style Straight Screwdrivers with Shut-off Clutch

(Best accuracy)



**CLEAN** 20 Watt  
0.03 Hp Motor

Image is not to scale; tool is only 6 inches long!

### Pencil-Style Straight Screwdriver with S-Plus Combination Clutch

(Best accuracy & best for self-tapping screws)



**CLEAN** 20 Watt  
0.03 Hp Motor

Image is not to scale; tool is only 6 inches long!

### Straight Screwdriver with Ratcheting Cushion Clutch

(Good accuracy, ideal for self-tapping screws)



**CLEAN** 120 Watt  
0.16 Hp Motor

### Straight Screwdriver with Shut-off Clutch

(Best accuracy)



**CLEAN** 120 Watt  
0.16 Hp Motor

### Straight Screwdriver with S-Plus Combination Clutch

(Best accuracy & best for self-tapping screws)



**CLEAN** 120 Watt  
0.16 Hp Motor

### 120 Watt Straight Screwdrivers

- C-L-E-A-N motor technology reduces noise & air consumption and eliminates the need for oil
- Clutch torque adjustment does not require bit removal
- Precision shut-off clutch allows very fine torque adjustment and minimal torque deviation
- Broad torque range – 0.8 to 7 Nm (7 to 62 in-lbs).
- S-Plus clutch combines the features of a shut-off and cushion clutch
- Higher torque in reverse aids in fastener removal
- Available custom clutch housing mates screwdriver to automatic screw-feed systems (non-Bosch item). Refer to accessory page 38 for information.
- Locking reverse button

| Tool part number | Recommended screw diameter @ grade 8.8 | Torque (Nm), hard joint (30°) | Torque (in-lbs), hard joint | Torque (in-lbs), hard joint |
|------------------|--|-------------------------------|-----------------------------|-----------------------------|
| 0 607 459 203    | M 3                                    | 0.06–1                        | 0.53–8.9                    | 0.06–0.9                    |
| 0 607 459 205    | M 3                                    | 0.06–0.8                      | 0.53–7                      | 0.06–0.6                    |
| 0 607 459 204    | M 3                                    | 0.06–1                        | 0.53–8.9                    | 0.06–0.9                    |
| 0 607 454 006    | M 4                                    | 0.8–3                         | 7–26.6                      | 0.8–2                       |
| 0 607 454 007    | M 5                                    | 0.8–3.4                       | 7–30                        | 0.8–3                       |
| 0 607 454 238    | M 4                                    | 0.8–3                         | 7–26.6                      | 0.8–2                       |
| 0 607 454 239    | M 5                                    | 0.8–3.4                       | 7–30                        | 0.8–3                       |
| 0 607 454 228    | M 4                                    | 0.8–2.5                       | 7–22                        | 0.8–1.5                     |
| 0 607 454 229    | M 4                                    | 0.8–3                         | 7–26.6                      | 0.8–2                       |
| 0 607 454 230    | M 5                                    | 0.8–3.4                       | 7–30                        | 0.8–3                       |
| 0 607 454 231    | M 5                                    | 0.8–5                         | 7–44.2                      | 0.8–4.5                     |
| 0 607 454 232    | M 4                                    | 0.8–7                         | 7–62                        | 0.8–7                       |
| 0 607 454 234    | M 4                                    | 0.8–3                         | 7–26.6                      | 0.8–2                       |
| 0 607 454 235    | M 5                                    | 0.8–3.4                       | 7–30                        | 0.8–3                       |
| 0 607 454 236    | M 5                                    | 0.8–5                         | 7–44.2                      | 0.8–4.5                     |
| 0 607 454 237    | M 6                                    | 0.8–7                         | 7–62                        | 0.8–7                       |

| Bit angle (30°) | Bit angle (720°) | No load speed (rpm) | Rotation (R = right, L = left) | Power (watts/horsepower) | Air consumption under load (l/s) | Air consumption under load (cfm) | Weight kg / lbs. | Bit Holder/Drive end<br>Hex = Female Hexagon<br>QC = Quick-change chuck | Air inlet thread | Features   | Included Accessories   | Accessory Part numbers   |
|-----------------|------------------|---------------------|--------------------------------|--------------------------|----------------------------------|----------------------------------|------------------|---|------------------|--|--|--|
| 0.53-8          | 800              | R/L                 | 20 / 0.03                      | 2.2                      | 4.7                              | 0.2 / 0.4                        | 3 mm Hex.        | M 5   |                  | Push start.  | Suspension hook  | 3 604 720 024  |
| 0.53-5.3        | 1200             | R/L                 | 20 / 0.03                      | 2.2                      | 4.7                              | 0.2 / 0.4                        | 3 mm Hex.        | M 5   |                  | Integrated screw vacuum for use with optional guide sleeve and bits (both models). Refer to accessory pages 36-37 for bit holder specifications.                             | Sintered metal muffler<br>Clutch springs:<br>0.2-0.6 Nm (brown, in tool)<br>0.06-0.3 Nm (green)<br>0.5-1 Nm (orange)<br>Guide sleeve spring                    | 3 607 000 024<br>3 604 617 002<br>3 604 616 006<br>3 604 618 005<br>3 604 610 016                  |
| 0.53-8          | 800              | R/L                 | 20 / 0.03                      | 2.2                      | 4.7                              | 0.2 / 0.4                        | 3 mm Hex.        | M 5   |                  | Push and lever start for shut-off bypass. Integrated screw vacuum for use with optional guide sleeve and bits. Refer to accessory pages 36-37 for bit holder specifications. | Suspension hook<br>Sintered metal muffler<br>Clutch springs:<br>0.2-0.6 Nm (brown, in tool)<br>0.06-0.3 Nm (green)<br>0.5-1 Nm (orange)<br>Guide sleeve spring | 3 604 720 024<br>3 607 000 024<br>3 604 617 002<br>3 604 616 006<br>3 604 618 005<br>3 604 610 016 |
| 7-18            | 1700             | R/L                 | 120 / 0.16                     | 3.4                      | 7.3                              | 0.8 / 1.8                        | 1/4" QC          | G 1/4"  |                  | Lever start  | Suspension hook  | 2 604 720 004  |
| 7-26.6          | 1050             | R/L                 | 120 / 0.16                     | 3.4                      | 7.3                              | 0.8 / 1.8                        | 1/4" QC          | G 1/4"  |                  | Lever start  | Barbed hose nipple   | 3 603 386 039  |
| 7-18            | 1700             | R/L                 | 120 / 0.16                     | 3.4                      | 7.3                              | 0.8 / 1.8                        | 1/4" QC          | G 1/4"  |                  | Push start   | Clutch adjusting tool  | 3 607 950 015  |
| 7-26.6          | 1050             | R/L                 | 120 / 0.16                     | 3.4                      | 7.3                              | 0.8 / 1.8                        | 1/4" QC          | G 1/4"  |                  | Push start   | Clutch spring (yellow)   | 3 604 619 003  |
| 7-13.2          | 2300             | R/L                 | 120 / 0.16                     | 3.4                      | 7.3                              | 0.75 / 1.7                       | 1/4" QC          | G 1/4"  |                  | Push start   | Suspension hook  | 2 604 720 004  |
| 7-18            | 1700             | R/L                 | 120 / 0.16                     | 3.4                      | 7.3                              | 0.8 / 1.8                        | 1/4" QC          | G 1/4"  |                  | Push start   | Barbed hose nipple   | 3 603 386 039  |
| 7-26.6          | 1050             | R/L                 | 120 / 0.16                     | 3.4                      | 7.3                              | 0.8 / 1.8                        | 1/4" QC          | G 1/4"  |                  | Push start   | Clutch adjusting tool  | 3 607 950 015  |
| 7-40            | 640              | R/L                 | 120 / 0.16                     | 3.4                      | 7.3                              | 0.8 / 1.8                        | 1/4" QC          | G 1/4"  |                  | Push start   | Clutch spring (yellow)   | 3 604 619 003  |
| 7-62            | 400              | R/L                 | 120 / 0.16                     | 3.4                      | 7.3                              | 0.8 / 1.8                        | 1/4" QC          | G 1/4"  |                  | Push start   |  |  |
| 7-18            | 1700             | R/L                 | 120 / 0.16                     | 3.4                      | 7.3                              | 0.8 / 1.8                        | 1/4" QC          | G 1/4"  |                  | Push and lever start for shut-off bypass. (all models)   | Suspension hook  | 2 604 720 004  |
| 7-26.6          | 1050             | R/L                 | 120 / 0.16                     | 3.4                      | 7.3                              | 0.8 / 1.8                        | 1/4" QC          | G 1/4"  |                  |  | Barbed hose nipple   | 3 603 386 039  |
| 7-40            | 640              | R/L                 | 120 / 0.16                     | 3.4                      | 7.3                              | 0.8 / 1.8                        | 1/4" QC          | G 1/4"  |                  |  | Clutch adjusting tool  | 3 607 950 015  |
| 7-62            | 400              | R/L                 | 120 / 0.16                     | 3.4                      | 7.3                              | 0.8 / 1.8                        | 1/4" QC          | G 1/4"  |                  |  | Clutch spring (yellow)   | 3 604 619 003  |

All motor power & torque data in this catalog assumes an air pressure of 6.3 bar/91psi exists at the tool inlet. Correct air pressure and volume should be verified at inlet with the tool running at no-load speed.

## with CLEAN Oil-free 180 Watt Motors or Standard 400 Watt Motors

### 180 Watt Straight Screwdrivers

- C·L·E·A·N motor technology reduces noise & air consumption and eliminates the need for oil
- Clutch torque adjustment does not require bit removal
- Precision shut-off clutch allows very fine torque adjustment and minimal torque deviation
- Broad torque range of 1.2 to 10 Nm (.88 to 7.4 ft-lbs.)
- S-Plus clutch combines the features of a shut-off and cushion clutch
- Higher torque in reverse aids in fastener removal
- Available custom clutch housing mates screwdriver to automatic screw-feed systems (non-Bosch item). Refer to accessory page 38 for information
- Locking reverse button

### Straight Screwdriver with Ratcheting Cushion Clutch

(Good accuracy, ideal for self-tapping screws)



### Straight Screwdriver with Shut-off Clutch

(Best accuracy)



### Straight Screwdriver with S-Plus Combination Clutch

(Best accuracy & best for self-tapping screws)



### Straight Screwdriver with Ratcheting Cushion Clutch

(Good accuracy, ideal for self-tapping screws)



### Straight Screwdriver with Shut-off Clutch

(Best accuracy)



### Straight Screwdriver with S-Plus Combination Clutch

(Best accuracy & best for self-tapping screws)



| Tool part number | Recommended screw diameter @ grade 8.8 | Torque (Nm), hard joint (30°) | Torque (ft-lbs), hard joint | Torque (ft-lbs), hard joint |
|------------------|--|-------------------------------|-----------------------------|-----------------------------|
| 0 607 453 009    | M 6                                    | 1.2-5.5                       | 0.89-4                      | 1.2-5                       |
| 0 607 453 010    | M 6                                    | 1.2-7                         | 0.89-5.1                    | 1.2-7                       |
| 0 607 453 233    | M 5                                    | 1.2-3                         | 0.89-2.2                    | 1.2-2.5                     |
| 0 607 453 234    | M 5                                    | 1.2-4.5                       | 0.89-3.3                    | 1.2-3                       |
| 0 607 453 229    | M 5                                    | 1.2-4.5                       | 0.89-3.3                    | 1.2-3                       |
| 0 607 453 230    | M 6                                    | 1.2-5.5                       | 0.89-4                      | 1.2-5.5                     |
| 0 607 453 231    | M 6                                    | 1.2-7                         | 0.89-5.1                    | 1.2-7                       |
| 0 607 453 232    | M 6                                    | 1.2-10                        | 0.89-7.4                    | 1.2-10                      |
| 0 607 453 235    | M 5                                    | 1.2-3                         | 0.89-2.2                    | 1.2-2.5                     |
| 0 607 453 236    | M 5                                    | 1.2-4.5                       | 0.89-3.3                    | 1.2-3                       |
| 0 607 453 237    | M 6                                    | 1.2-5.5                       | 0.89-4                      | 1.2-5                       |
| 0 607 453 238    | M 6                                    | 1.2-7                         | 0.89-5.1                    | 1.2-7                       |
| 0 607 453 239    | M 6                                    | 1.2-10                        | 0.89-7.4                    | 1.2-10                      |
| 0 607 453 240    | M 6                                    | 1.2-5.5                       | 0.89-4                      | 1.2-5                       |
| 0 607 453 241    | M 6                                    | 1.2-7                         | 0.89-5.1                    | 1.2-7                       |
| 0 607 453 242    | M 6                                    | 1.2-10                        | 0.89-7.4                    | 1.2-10                      |
| 0 607 461 001    | M 8                                    | 5.5-15                        | 4-11                        | 5.5-14                      |
| 0 607 461 201    | M 6                                    | 5.5-10                        | 4-7.4                       | 5.5-10                      |
| 0 607 461 202    | M 8                                    | 5.5-15                        | 4-11                        | 5.5-14                      |
| 0 607 461 205    | M 6                                    | 5.5-10                        | 4-7.4                       | 5.5-10                      |
| 0 607 461 203    | M 8                                    | 5.5-13                        | 4-9.6                       | 5.5-13                      |
| 0 607 461 206    | M 8                                    | 5.5-15                        | 4-11                        | 5.5-14                      |
| 0 607 461 204    | M 8                                    | 8-19                          | 5.9-14                      | 8-17                        |
| 0 607 461 207    | M 8                                    | 8-19                          | 5.9-14                      | 8-17                        |
| 0 607 461 208    | M 6                                    | 5.5-10                        | 4-7.4                       | 5.5-10                      |
| 0 607 461 209    | M 8                                    | 5.5-15                        | 4-11                        | 5.5-14                      |



### 400 Watt Straight Screwdrivers

- Auxiliary side handle included
- Virtually unbreakable, cold insulating polyamide housing protects motor and provides maximum operator comfort
- Exhaust air hose optional
- Locking reverse button
- Available guide sleeve and cover on accessory page 40

| Angle (30°) | Torque (Nm), soft joint (720°) | Torque (ft-lbs), soft joint (720°) | No load speed (rpm) | Rotation (R = right, L = left) | Power (watts/horsepower) | Air consumption under load (l/s) | Air consumption under load (cfm) | Weight kg / lbs. | Bit Holder/Drive end<br>Hex = Female Hexagon<br>QC = Quick-change chuck | Air inlet thread  | Features      | Included Accessories | Accessory Part numbers |
|-------------|--------------------------------|------------------------------------|---------------------|--------------------------------|--------------------------|----------------------------------|----------------------------------|------------------|---|---|---------------|----------------------|------------------------|
| 0.89-3.7    | 950                            | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.9 / 2.0                        | 1/4" QC                          | G 1/4"           | Lever start, yellow spring  | Suspension hook   | 2 604 720 004 |                      |                        |
| 0.89-5.1    | 600                            | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.9 / 2.0                        | 1/4" QC                          | G 1/4"           | Lever start, blue spring  | Clutch adjusting tool   | 3 607 950 015 |                      |                        |
| 0.89-1.8    | 2200                           | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.9 / 2.0                        | 1/4" QC                          | G 1/4"           | Push start, yellow spring   | Barbed hose nipple  | 3 603 386 039 |                      |                        |
| 0.89-2.2    | 1500                           | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.9 / 2.0                        | 1/4" QC                          | G 1/4"           | Push start, yellow spring   | Clutch spring (yellow)  | 3 604 619 003 |                      |                        |
|             |                                |                                    |                     |                                |                          |                                  |                                  |                  |   | Model 010 includes:<br>Clutch spring (blue)                         | 3 604 619 020 |                      |                        |
|             |                                |                                    |                     |                                |                          |                                  |                                  |                  |   | <b>Note:</b> lever start models<br>feature screw counting port      |               |                      |                        |
| 0.89-2.2    | 1500                           | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.8 / 1.8                        | 1/4" QC                          | G 1/4"           | Lever start, yellow spring  | Suspension hook   | 2 604 720 004 |                      |                        |
| 0.89-4      | 950                            | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.8 / 1.8                        | 1/4" QC                          | G 1/4"           | Lever start, yellow spring  | Clutch adjusting tool   | 3 607 950 015 |                      |                        |
| 0.89-5.1    | 600                            | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.9 / 2.0                        | 1/4" QC                          | G 1/4"           | Lever start, blue spring  | Barbed hose nipple  | 3 603 386 039 |                      |                        |
| 0.89-7.4    | 380                            | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.9 / 2.0                        | 1/4" QC                          | G 1/4"           | Lever start, blue spring  | Clutch spring (yellow)  | 3 604 619 003 |                      |                        |
| 0.89-1.8    | 2200                           | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.8 / 1.8                        | 1/4" QC                          | G 1/4"           | Push start, yellow spring   | Models 231, 232,<br>238, 239 include:                               |               |                      |                        |
| 0.89-2.2    | 1500                           | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.8 / 1.8                        | 1/4" QC                          | G 1/4"           | Push start, yellow spring   | Auxiliary handle  | 3 602 025 016 |                      |                        |
| 0.89-3.7    | 950                            | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.8 / 1.8                        | 1/4" QC                          | G 1/4"           | Push start, yellow spring   | Clutch spring (blue)  | 3 604 619 020 |                      |                        |
| 0.89-5.1    | 600                            | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.9 / 2.0                        | 1/4" QC                          | G 1/4"           | Push start, blue spring   | <b>Note:</b> lever start models<br>feature screw counting port      |               |                      |                        |
| 0.89-7.4    | 380                            | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.9 / 2.0                        | 1/4" QC                          | G 1/4"           | Push start, blue spring   |   |               |                      |                        |
| 0.89-3.7    | 950                            | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.8 / 1.8                        | 1/4" QC                          | G 1/4"           | Yellow spring   | Suspension hook   | 2 604 720 004 |                      |                        |
| 0.89-5.1    | 600                            | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.9 / 2.0                        | 1/4" QC                          | G 1/4"           | Blue spring   | Clutch adjusting tool   | 3 607 950 015 |                      |                        |
| 0.89-7.4    | 380                            | R/L                                | 180 / 0.24          | 5.5                            | 11.6                     | 0.9 / 2.0                        | 1/4" QC                          | G 1/4"           | Blue spring   | Barbed hose nipple  | 3 603 386 039 |                      |                        |
|             |                                |                                    |                     |                                |                          |                                  |                                  |                  | Push and lever start<br>for shut-off bypass.<br>(all models)            | Clutch spring (yellow)  | 3 604 619 003 |                      |                        |
|             |                                |                                    |                     |                                |                          |                                  |                                  |                  |   | Clutch spring (blue)  | 3 604 619 020 |                      |                        |
|             |                                |                                    |                     |                                |                          |                                  |                                  |                  |   | Model 241, 242 includes:<br>Model 242 includes:<br>Auxiliary handle | 3 602 025 016 |                      |                        |
| 4-10        | 700                            | R/L                                | 400 / 0.54          | 11                             | 23.3                     | 1.3 / 2.9                        | 1/4" QC                          | G 1/4"           | Lever start   | Suspension hook   | 3 604 720 004 |                      |                        |
| 4-7.4       | 1050                           | R/L                                | 400 / 0.54          | 11                             | 23.3                     | 1.3 / 2.9                        | 1/4" QC                          | G 1/4"           | Push start  | Clutch locking tab  | 3 601 329 007 |                      |                        |
| 4-10        | 700                            | R/L                                | 400 / 0.54          | 11                             | 23.3                     | 1.3 / 2.9                        | 1/4" QC                          | G 1/4"           | Push start  | Barbed hose nipple  | 2 603 386 002 |                      |                        |
|             |                                |                                    |                     |                                |                          |                                  |                                  |                  |   | Auxiliary handle  | 3 602 025 009 |                      |                        |
| 4-7.4       | 1050                           | R/L                                | 400 / 0.54          | 11                             | 23.3                     | 1.3 / 2.9                        | 1/4" QC                          | G 1/4"           | Push start  | Suspension hook   | 3 604 720 004 |                      |                        |
| 4-9.6       | 1200                           | R                                  | 400 / 0.54          | 10.2                           | 21.6                     | 1.3 / 2.9                        | 1/4" QC                          | G 1/4"           | Push start  | Clutch locking tab  | 3 601 329 007 |                      |                        |
| 4-10        | 700                            | R/L                                | 400 / 0.54          | 11                             | 23.3                     | 1.3 / 2.9                        | 1/4" QC                          | G 1/4"           | Push start  | Barbed hose nipple  | 2 603 386 002 |                      |                        |
| 5.9-12.5    | 800                            | R                                  | 400 / 0.54          | 10.2                           | 21.6                     | 1.3 / 2.9                        | 1/4" QC                          | G 1/4"           | Push start  | Auxiliary handle  | 3 602 025 009 |                      |                        |
| 5.9-12.5    | 800                            | R                                  | 400 / 0.54          | 10.2                           | 21.6                     | 1.3 / 2.9                        | 1/4" QC                          | G 1/4"           | Lever start   |   |               |                      |                        |
| 4-7.4       | 1050                           | R/L                                | 400 / 0.54          | 11                             | 23.3                     | 1.3 / 2.9                        | 1/4" QC                          | G 1/4"           | Push and lever start<br>for shut-off bypass.                            | Suspension hook   | 3 604 720 004 |                      |                        |
| 4-10        | 700                            | R/L                                | 400 / 0.54          | 11                             | 23.3                     | 1.3 / 2.9                        | 1/4" QC                          | G 1/4"           |   | Clutch locking tab  | 3 601 329 007 |                      |                        |
|             |                                |                                    |                     |                                |                          |                                  |                                  |                  |   | Barbed hose nipple  | 2 603 386 002 |                      |                        |
|             |                                |                                    |                     |                                |                          |                                  |                                  |                  |   | Auxiliary handle  | 3 602 025 009 |                      |                        |

All motor power & torque data in this catalog assumes an air pressure of 6.3 bar/91psi exists at the tool inlet. Correct air pressure and volume should be verified at inlet with the tool running at no-load speed.

## with CLEAN Oil-free 180 Watt Motors or Standard 370, 400, 740 Watt Motors

### 180/370 Watt Angle Nutrunners

- C·L·E·A·N motor technology reduces noise & air consumption and eliminates the need for oil (180W models only)
- External clutch torque adjustment
- Precision shut-off clutch allows very fine torque adjustment and minimal torque deviation
- Broad torque range – 1.5 to 30 Nm (1.1 to 22 ft-lbs).
- All 180 W & 370 W nutrunners use the same 5 angle heads as our cordless Angle EXACT models
- Precision angle head adjusts to 8 positions in 45° increments without shims or modification
- Locking reverse button

Angle Nutrunner with Shut-off Clutch  
(Best accuracy)



180 Watt, 1/4 Hp Motor

Angle Nutrunner with Shut-off Clutch  
(Best accuracy)



370 Watt, 1/2 Hp Motor

Angle Nutrunner with Shut-off Clutch  
(Best accuracy)



370 Watt, 1/2 Hp Motor

Angle Nutrunner with Shut-off Clutch  
(Best accuracy)



400 Watt, 0.54 Hp Motor

### 400-740 Watt Angle Nutrunners

- External clutch torque adjustment
- Precision shut-off clutch allows very fine torque adjustment and minimal torque deviation
- Broad torque range – 7 to 120 Nm (5 to 89 ft-lbs.)
- Precision angle head adjusts to 24 positions in 15° increments without shims or modification

Angle Nutrunner with Shut-off Clutch  
(Best accuracy)



740 Watt, 1 Hp Motor

| Tool part number | Recommended screw diameter @ grade 8.8 | Torque (Nm), hard joint (30°) | Torque (ft-lbs), hard joint | Torque (ft-lbs), hard joint |
|------------------|--|-------------------------------|-----------------------------|-----------------------------|
| 0 607 453 621    | M 5                                    | 1.5-8                         | 1.1-5.9                     | 1.5-7                       |
| 0 607 453 622    | M 5                                    | 1.5-8                         | 1.1-5.9                     | 1.5-7                       |
| 0 607 453 623    | M 6                                    | 2-10                          | 1.5-7.4                     | 2-9                         |
| 0 607 453 624    | M 6                                    | 2-10                          | 1.5-7.4                     | 2-9                         |
| 0 607 453 625    | M 8                                    | 2-15                          | 1.5-11                      | 2-14                        |
| 0 607 453 626    | M 8                                    | 2-15                          | 1.5-11                      | 2-14                        |
| 0 607 451 600    | M 10                                   | 7-27                          | 5.1-20                      | 7-24                        |
| 0 607 451 601    | M 10                                   | 7-27                          | 5.1-20                      | 7-24                        |
| 0 607 451 604    | M 10                                   | 7-30                          | 5.1-22.1                    | 7-30                        |
| 0 607 451 606    | M 10                                   | 7-27                          | 5.1-20                      | 7-24                        |
| 0 607 451 607    | M 10                                   | 7-27                          | 5.1-20                      | 7-24                        |
| 0 607 451 605    | M 10                                   | 7-30                          | 5.1-22.1                    | 7-30                        |
| 0 607 451 602    | M 10                                   | 7-28                          | 5.1-20.6                    | 7-26                        |
| 0 607 451 603    | M 10                                   | 7-28                          | 5.1-20.6                    | 7-26                        |
| 0 607 461 604    | M 10                                   | 8-30                          | 5.9-22.1                    | 8-21                        |
| 0 607 461 605    | M 10                                   | 8-30                          | 5.9-22.1                    | 8-21                        |
| 0 607 461 600    | M 10                                   | 8-40                          | 5.9-29.5                    | 8-34                        |
| 0 607 461 602    | M 12                                   | 8-45                          | 5.9-33.1                    | 8-39                        |
| 0 607 457 601    | M 14                                   | 31-80                         | 22.9-59                     | 31-70                       |
| 0 607 457 600    | M 14                                   | 39-100                        | 28.8-73.8                   | 39-90                       |
| 0 607 457 602    | M 16                                   | 50-120                        | 36.9-88.5                   | 50-110                      |



| Speed (30°)<br>(Nm), soft joint (720°) | Torque (ft/lbs), soft joint (720°) | No load speed (rpm) | Rotation (R = right, L = left) | Power (watts/horsepower) | Air consumption under load (l/s) | Air consumption under load (cfm) | Weight kg / lbs. | Bit Holder/Drive end<br>Hex = Female Hexagon<br>Sq. = Male Square Drive | Air inlet thread   | Features   | Included Accessories                                   | Accessory Part numbers |
|--|------------------------------------|---------------------|--------------------------------|--------------------------|----------------------------------|----------------------------------|------------------|---|--|--|--|------------------------|
| 1.1-5.1                                | 670                                | R/L                 | 180 / 0.2                      | 4.7                      | 10                               | 1.1 / 2.4                        | 1/4" Sq.         | G 1/4"  | Yellow spring  | Clutch adjusting tool  | 3 607 950 015  |                        |
| 1.1-5.1                                | 670                                | R/L                 | 180 / 0.2                      | 4.7                      | 10                               | 1.1 / 2.4                        | 1/4" Hex.        | G 1/4"  | Yellow spring  | Barbed hose nipple   | 3 603 386 039  |                        |
| 1.5-6.6                                | 420                                | R/L                 | 180 / 0.2                      | 4.7                      | 10                               | 1.1 / 2.4                        | 1/4" Sq.         | G 1/4"  | Blue spring  | Clutch spring (yellow)   | 3 604 619 003  |                        |
| 1.5-6.6                                | 420                                | R/L                 | 180 / 0.2                      | 4.7                      | 10                               | 1.1 / 2.4                        | 1/4" Hex.        | G 1/4"  | Blue spring  | Models 623, 624,<br>625, 626 include:<br>Clutch spring (blue)  | 3 604 619 020  |                        |
| 1.5-10.3                               | 260                                | R/L                 | 180 / 0.2                      | 4.7                      | 10                               | 1.1 / 2.4                        | 1/4" Sq.         | G 1/4"  | Blue spring  |  |  |                        |
| 1.5-10.3                               | 260                                | R/L                 | 180 / 0.2                      | 4.7                      | 10                               | 1.1 / 2.4                        | 3/8" Sq.         | G 1/4"  | Blue spring  | Shut-off clutch in forward;<br>ratcheting in reverse.          | <b>Note:</b> All models feature<br>screw counting port |                        |
| 5.1-17.7                               | 360                                | R/L                 | 370/0.5                        | 11.9                     | 25.2                             | 1.6 / 3.5                        | 3/8" Sq.         | G 1/4"  | Shut-off clutch in forward;<br>ratcheting in reverse;          | Clutch locking tab   | 3 601 329 007  |                        |
| 5.1-17.7                               | 360                                | R/L                 | 370/0.5                        | 11.9                     | 25.2                             | 1.6 / 3.5                        | 1/4" Hex.        | G 1/4"  | decentralized exhaust  | Barbed hose nipple   | 2 603 386 002  |                        |
| 5.1-22.1                               | 280                                | R/L                 | 370/0.5                        | 11.9                     | 25.2                             | 1.6 / 3.5                        | 3/8" Sq.         | G 1/4"  |  | Plastic muffler  | 3 607 000 073  |                        |
|  |                                    |                     |                                |                          |                                  |                                  |                  |   | All 370/400/740 Watt<br>nutrunners use the<br>identical clutch | Sintered metal muffler   | 3 603 462 000  |                        |
| 5.1-17.7                               | 360                                | R/L                 | 370 / 0.5                      | 11.9                     | 25.2                             | 1.5 / 3.3                        | 3/8" Sq.         | G 1/4"  | Shut-off clutch in forward;<br>ratcheting in reverse           | Clutch locking tab   | 3 601 329 007  |                        |
| 5.1-17.7                               | 360                                | R/L                 | 370 / 0.5                      | 11.9                     | 25.2                             | 1.5 / 3.3                        | 1/4" Hex.        | G 1/4"  |  | Barbed hose nipple   | 2 603 386 002  |                        |
| 5.1-22.1                               | 280                                | R/L                 | 370 / 0.5                      | 11.9                     | 25.2                             | 1.5 / 3.3                        | 3/8" Sq.         | G 1/4"  |  |  |  |                        |
| 5.1-19.1                               | 360                                | R                   | 370 / 0.5                      | 11.1                     | 23.5                             | 1.5 / 3.3                        | 3/8" Sq.         | G 1/4"  |  |  |  |                        |
| 5.1-19.1                               | 360                                | R                   | 370 / 0.5                      | 11.1                     | 23.5                             | 1.5 / 3.3                        | 1/4" Hex.        | G 1/4"  |  | All 370/400/740 Watt<br>nutrunners use the<br>identical clutch |  |                        |
| 5.9-15.5                               | 400                                | R/L                 | 400/0.54                       | 11.1                     | 23.5                             | 2 / 4.4                          | 3/8" Sq.         | G 1/4"  | Shut-off clutch in forward;<br>ratcheting in reverse           | Center mount<br>suspension hook                                | 3 604 720 006  |                        |
| 5.9-15.5                               | 400                                | R/L                 | 400/0.54                       | 11.1                     | 23.5                             | 2 / 4.4                          | 1/4" Hex.        | G 1/4"  |  | Rear suspension hook   | 3 604 720 004  |                        |
| 5.9-25                                 | 260                                | R/L                 | 400/0.54                       | 11.1                     | 23.5                             | 2.2 / 4.9                        | 3/8" Sq.         | G 1/4"  | Feather-touch<br>reverse button                                | Clutch locking tab   | 3 601 902 010  |                        |
| 5.9-28.8                               | 300                                | R                   | 400/0.54                       | 10.2                     | 21.6                             | 2.2 / 4.9                        | 3/8" Sq.         | G 1/4"  |  | Barbed hose nipple   | 2 603 386 002  |                        |
|  |                                    |                     |                                |                          |                                  |                                  |                  |   | All 370/400/740 Watt<br>nutrunners use the<br>identical clutch |  |  |                        |
| 22.9-51.6                              | 270                                | R/L                 | 740 / 1.0                      | 16.2                     | 34.3                             | 3.4 / 7.5                        | 1/2" Sq.         | G 3/8"  | Shut-off clutch in forward;<br>ratcheting in reverse           | Center mount<br>suspension hook                                | 3 604 720 006  |                        |
| 28.8-66.3                              | 200                                | R/L                 | 740 / 1.0                      | 16.2                     | 34.3                             | 3.4 / 7.5                        | 1/2" Sq.         | G 3/8"  |  | Clutch locking tab   | 3 601 902 010  |                        |
| 36.9-81.1                              | 100                                | R/L                 | 740 / 1.0                      | 20                       | 42.3                             | 3.6 / 7.9                        | 1/2" Sq.         | G 3/8"  | All 370/400/740 Watt<br>nutrunners use the<br>identical clutch | Barbed hose nipple   | 3 603 386 003  |                        |
|  |                                    |                     |                                |                          |                                  |                                  |                  |   |  | Plastic muffler  | 3 607 000 000  |                        |
|  |                                    |                     |                                |                          |                                  |                                  |                  |   |  | Sintered metal muffler   | 3 603 462 000  |                        |

All motor power & torque data in this catalog assumes an air pressure of 6.3 bar/91psi exists at the tool inlet. Correct air pressure and volume should be verified at inlet with the tool running at no-load speed.

## with CLEAN Oil-free 180 Watt Motors or Standard 400 Watt Motors

### 180 Watt T-Grip Screwdrivers

- C-L-E-A-N motor technology reduces noise & air consumption and eliminates the need for oil
- Clutch torque adjustment does not require bit removal
- Precision shut-off clutch allows very fine torque adjustment and minimal torque deviation
- Broad torque range of 1.2 to 10 Nm (.88 to 7.4 ft-lbs.)
- Higher torque in reverse aids in fastener removal
- Top-mounted forward/reverse switch
- Available custom clutch housing mates screwdriver to automatic screw-feed systems (non-Bosch item). Refer to accessory pages for information



### T-Grip Screwdriver with Shut-off Clutch (Best accuracy)



180 Watt  
1/4 Hp Motor



### T-Grip Screwdriver with Ratcheting Cushion Clutch (Good accuracy, ideal for self-tapping screws)



180 Watt  
1/4 Hp Motor



### T-Grip Screwdriver with Ratcheting Cushion Clutch (Good accuracy, ideal for self-tapping screws)

400 Watt  
0.54 Hp Motor



### 400 Watt Screwdriver

- Auxiliary side handle included
- Virtually unbreakable, cold insulating polyamide housing protects motor and provides maximum operator comfort
- Ergonomic T-Grip for optimal handling
- Exhaust air hose optional
- Low vibration
- All 400w drivers can use suspension hook 3 604 720 006 (pg. 38)

### T-Grip Screwdriver with Shut-off Clutch (Best accuracy)

400 Watt  
0.54 Hp Motor



| Tool part number | Recommended screw diameter @ grade 8.8 | Torque (Nm), hard joint (30°) | Torque (ft-lbs), hard joint | Torque (ft-lbs), hard joint |
|------------------|--|-------------------------------|-----------------------------|-----------------------------|
| 0 607 453 429    | M 6                                    | 1.2-10                        | 0.9-7.4                     | 1.2-10                      |
| 0 607 453 433    | M 6                                    | 1.2-7                         | 0.9-5.1                     | 1.2-7                       |
| 0 607 453 430    | M 6                                    | 1.2-5.5                       | 0.9-4                       | 1.2-5                       |
| 0 607 453 431    | M 5                                    | 1.2-4.5                       | 0.9-3.3                     | 1.2-3                       |
| 0 607 453 432    | M 5                                    | 1.2-3                         | 0.9-2.2                     | 1.2-2.5                     |
| 0 607 453 439    | M 6                                    | 1.2-10                        | 0.9-7.4                     | 1.2-10                      |
| 0 607 453 440    | M 6                                    | 1.2-5.5                       | 0.9-4                       | 1.2-5                       |
| 0 607 453 441    | M 6                                    | 1.2-7                         | 0.9-5.1                     | 1.2-7                       |
| 0 607 453 442    | M 5                                    | 0.5-2                         | 0.36-1.5                    | 0.5-2                       |
| 0 607 453 443    | M 5                                    | 1.2-4.5                       | 0.9-3.3                     | 1.2-3                       |
| 0 607 453 434    | M 6                                    | 1.2-10                        | 0.9-7.4                     | 1.2-10                      |
| 0 607 453 438    | M 6                                    | 1.2-7                         | 0.9-5.1                     | 1.2-7                       |
| 0 607 453 435    | M 6                                    | 1.2-5.5                       | 0.9-4                       | 1.2-5                       |
| 0 607 453 436    | M 5                                    | 1.2-4.5                       | 0.9-3.3                     | 1.2-3                       |
| 0 607 453 437    | M 5                                    | 1.2-3                         | 0.9-2.2                     | 1.2-2.5                     |
| 0 607 461 401    | M 8                                    | 5.5-15                        | 4-11                        | 5.5-13                      |
| 0 607 461 402    | M 10                                   | 8.5-26                        | 6.2-19                      | 8.5-21                      |
| 0 607 461 407    | M 10                                   | 8.5-26                        | 6.2-19                      | 8.5-21                      |
| 0 607 461 403    | M 8                                    | 8.5-19                        | 6.2-14                      | 8.5-16                      |
| 0 607 461 404    | M 8                                    | 8.5-24                        | 6.2-17.7                    | 8.5-20                      |
| 0 607 461 405    | M 10                                   | 5.5-15                        | 4-11                        | 5.5-15                      |
| 0 607 461 406    | M 10                                   | 8.5-26                        | 6.2-19                      | 8.5-21                      |
| 0 607 461 408    | M 10                                   | 8.5-26                        | 6.2-19                      | 8.5-21                      |
| 0 607 461 409    | M 10                                   | 8.5-26                        | 6.2-19                      | 8.5-27                      |

| Max torque (Nm) (30°) | Max torque (ft/lbs), soft joint (720°) | No load speed (rpm) | Rotation (R = right, L = left) | Power (watts/horsepower) | Air consumption under load (l/s) | Air consumption under load (cfm) | Weight kg / lbs. | Bit Holder/Drive end Hex = Female Hexagon QC = Quick-change chuck | Air inlet thread  | Features  | Included Accessories | Accessory Part numbers |
|-----------------------|--|---------------------|--------------------------------|--------------------------|----------------------------------|----------------------------------|------------------|---|---|---|----------------------|------------------------|
| 0.9-7.4               | 380                                    | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Push+trigger, blue spring   | Suspension hook   | 3 601 923 019        |                        |
| 0.9-5.1               | 600                                    | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Push+trigger, blue spring   | Clutch adjusting tool   | 3 607 950 015        |                        |
| 0.9-3.7               | 950                                    | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Push+trigger, yellow spring   | Barbed hose nipple  | 3 603 386 039        |                        |
| 0.9-2.2               | 1500                                   | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Push+trigger, yellow spring   | Clutch spring (yellow)  | 3 604 619 003        |                        |
| 0.9-1.8               | 2200                                   | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Push+trigger, yellow spring   | Models 429, 433 include:<br>Clutch spring (blue)  | 3 604 619 020        |                        |
| 0.9-7.4               | 380                                    | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Trigger start, yellow spring  | Models 442 includes:<br>Clutch spring (white)   | 3 604 618 003        |                        |
| 0.9-3.7               | 950                                    | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Trigger start, yellow spring  |   |                      |                        |
| 0.9-5.1               | 600                                    | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Trigger start, yellow spring  |   |                      |                        |
| 0.36-1.5              | 600                                    | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Trigger start, white spring   |   |                      |                        |
| 0.9-2.2               | 1500                                   | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Trigger start, yellow spring  |   |                      |                        |
|                       |  |                     |                                |                          |                                  |                                  |                  |   | <b>Note:</b> All models feature screw counting port. Use adapter 3 609 202 745 (See pg. 39) |   |                      |                        |
| 0.9-7.4               | 380                                    | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Trigger start, blue spring  | Suspension hook   | 3 601 923 019        |                        |
| 0.9-5.1               | 600                                    | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Trigger start, blue spring  | Clutch adjusting tool   | 3 607 950 015        |                        |
| 0.9-3.7               | 950                                    | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Trigger start, yellow spring  | Barbed hose nipple  | 3 603 386 039        |                        |
| 0.9-2.2               | 1500                                   | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Trigger start, yellow spring  | Clutch spring (yellow)  | 3 604 619 003        |                        |
| 0.9-1.8               | 2200                                   | R/L                 | 180/0.24                       | 5.5                      | 11.7                             | 0.9 / 2.0                        | 1/4" QC          | G 1/4"  | Trigger start, yellow spring  | Models 434, 438 include:<br>Clutch spring (blue)  | 3 604 619 020        |                        |
| 4-11                  | 700                                    | R/L                 | 400/0.54                       | 10.2                     | 21.6                             | 1.4 / 3.1                        | 1/4" QC          | G 1/4"  | Trigger start   | Clutch locking tab  | 3 601 329 007        |                        |
| 4-15.4                | 400                                    | R/L                 | 400/0.54                       | 10.2                     | 21.6                             | 1.4 / 3.1                        | 1/4" QC          | G 1/4"  | Trigger start   | Barbed hose nipple  | 2 603 386 002        |                        |
| 4-15.4                | 400                                    | R/L                 | 400/0.54                       | 10.2                     | 21.6                             | 1.4 / 3.1                        | 7/16" QC         | G 1/4"  | Trigger start   | Muffler   | 3 603 462 000        |                        |
|                       |  |                     |                                |                          |                                  |                                  |                  |   |   | Auxiliary handle  | 3 602 025 009        |                        |
| 6.2-11.8              | 800                                    | R                   | 400/0.54                       | 9.4                      | 19.9                             | 1.4 / 3.1                        | 1/4" QC          | G 1/4"  | Push and trigger start  | Clutch locking tab  | 3 601 329 007        |                        |
| 6.2-14.7              | 640                                    | R                   | 400/0.54                       | 9.4                      | 19.9                             | 1.4 / 3.1                        | 1/4" QC          | G 1/4"  | Push and trigger start  | Barbed hose nipple  | 2 603 386 002        |                        |
| 4-11                  | 700                                    | R/L                 | 400/0.54                       | 10.2                     | 21.6                             | 1.4 / 3.1                        | 1/4" QC          | G 1/4"  | Push and trigger start  | Muffler   | 3 603 462 000        |                        |
| 6.2-15.4              | 400                                    | R/L                 | 400/0.54                       | 10.2                     | 21.6                             | 1.4 / 3.1                        | 1/4" QC          | G 1/4"  | Push and trigger start  | Auxiliary handle  | 3 602 025 009        |                        |
| 6.2-15.4              | 400                                    | R/L                 | 400/0.54                       | 10.2                     | 21.6                             | 1.4 / 3.1                        | 7/16" QC         | G 1/4"  | Push and trigger start  | <b>Note:</b> All models feature screw counting port. Use adapter 3 609 202 791 or ...746 (See pg. 39) |                      |                        |
| 6.2-20                | 450                                    | R                   | 400/0.54                       | 9.4                      | 19.9                             | 1.4 / 3.1                        | 7/16" QC         | G 1/4"  | Push and trigger start  |   |                      |                        |

All motor power & torque data in this catalog assumes an air pressure of 6.3 bar/91psi exists at the tool inlet. Correct air pressure and volume should be verified at inlet with the tool running at no-load speed.

# Pistol-Grip Screwdrivers, T-Grip Screwdriver & Tappers



with **CLEAN** Oil-free 180 Watt Motors  
or Standard 400 Watt Motors

## 180 Watt Pistol Screwdrivers

- C-L-E-A-N motor technology reduces noise & air consumption and eliminates the need for oil
- Higher torque in reverse aids in tap removal
- Rocker-style trigger is forward/reverse switch

### Pistol Screwdriver/Tapper with Ratcheting Cushion Clutch



**CLEAN** 180 Watt  
1/4 Hp Motor



### T-Grip Screwdriver/Tapper with Ratcheting Cushion Clutch



400 Watt  
0.54 Hp Motor

(Tool also shown on page 18)

### T-Grip Tapper



400 Watt  
0.54 Hp Motor

## Screwdriver & Tappers

- One hand forward/reverse operation
- Long life
- Excellent performance for many applications
- Cushion clutch model features adjustable torque range
- All 400w drivers can use suspension hook 3 604 720 006 (pg. 38)

| Tool part number | Threaded bolt & stud diameter (mm) | Torque (Nm) | Torque (ft-lbs) |
|------------------|------------------------------------|-------------|-----------------|
| 0 607 453 421    | up to 5                            | 1.2-5.5     | 0.88-4.05       |
| 0 607 453 422    | up to 5                            | 1.2-4.5     | 0.88-3.32       |

|               |          |      |        |
|---------------|----------|------|--------|
| 0 607 461 407 | up to 12 | 8-26 | 5.9-19 |
|---------------|----------|------|--------|

|               |          |          |            |
|---------------|----------|----------|------------|
| 0 607 461 410 | up to 8  | up to 18 | up to 13.3 |
| 0 607 461 411 | up to 10 | up to 26 | up to 19   |
| 0 607 461 412 | up to 8  | up to 18 | up to 13.3 |
| 0 607 461 413 | up to 10 | up to 26 | up to 19   |

| No load speed (rpm) | Rotation (R = right, L = left) | Power (watts/horsepower) | Air consumption under load (l/s) | Air consumption under load (cfm) | Weight kg / lbs. | Bit Holder/Drive end<br>Hex = Female Hexagon<br>QC = Quick-change chuck | Air inlet thread | Features   | Included Accessories  | Accessory Part numbers  |
|---------------------|--------------------------------|--------------------------|----------------------------------|----------------------------------|------------------|---|------------------|--|---|---|
| 950                 | R/L                            | 180 / 0.24               | 4.7                              | 10                               | 1.2 / 2.6        | 1/4" Hex.   | G 1/4"           | Can be used for tapping blind holes and as a stud driver | Clutch locking tab<br>Muffler<br>Barbed hose nipple                     | 3 601 329 007   |
| 1500                | R/L                            | 180 / 0.24               | 4.7                              | 10                               | 1 / 2.2          | 1/4" Hex.   | G 1/4"           |  |   | 3 607 000 023<br>3 603 386 039  |
| 400                 | R/L                            | 400 / 0.54               | 12                               | 25.4                             | 1.4              | 7/16" QC  | G 1/4"           | Can be used for tapping blind holes and as a stud driver | Clutch locking tab<br>Muffler<br>Barbed hose nipple<br>Auxiliary handle | 3 601 329 007<br>3 603 462 000<br>2 603 386 002<br>3 602 025 009                |
| 560                 | R/L                            | 400 / 0.54               | 12                               | 25.4                             | 1.4 / 3.1        | 7/16" QC  | G 1/4"           |  |   | Direct drive; can be used for tapping through holes and as a direct screwdriver |
| 400                 | R/L                            | 400 / 0.54               | 12                               | 25.4                             | 1.4 / 3.1        | 7/16" QC  | G 1/4"           | 3 602 025 009  |   |   |
| 560                 | R/L                            | 400 / 0.54               | 12                               | 25.4                             | 1.4 / 3.1        | 7/16" QC  | G 1/4"           |  |   |   |
| 400                 | R/L                            | 400 / 0.54               | 12                               | 25.4                             | 1.4 / 3.1        | 7/16" QC  | G 1/4"           | 3 608 573 003  |   |   |

All motor power & torque data in this catalog assumes an air pressure of 6.3 bar/91psi exists at the tool inlet. Correct air pressure and volume should be verified at inlet with the tool running at no-load speed.

## with CLEAN Oil-free 300 Watt Motors or Standard 400 Watt Motors

### 400 Watt Straight Impulse Wrench

- Auxiliary side handle included
- Vane-type pulse unit does not have shut-off function, but provides for fast oil changes (less than 15 minutes) without any special tools or vacuum devices
- Locking reverse button

### Straight Impulse Wrench without Shut-off Function



400 Watt  
0.54 Hp Motor

| Tool part number | Recommended screw diameter @ grade 8.8 | Torque (Nm), hard joint (30°) | Torque (ft-lbs), hard joint | Torque (ft-lbs), soft joint |
|------------------|--|-------------------------------|-----------------------------|-----------------------------|
| 0 607 661 101    | M 8                                    | 20-35                         | 14.7-25.8                   | 16-28                       |
| 0 607 661 102    | M 8                                    | 20-35                         | 14.7-25.8                   | 16-28                       |
| 0 607 661 103    | M 10                                   | 30-50                         | 22.1-36.9                   | 23-40                       |
| 0 607 661 104    | M 10                                   | 30-50                         | 22.1-36.9                   | 23-40                       |



### Impulse Wrench with Shut-off Function



**CLEAN**  
300 Watt  
0.4 Hp Motor

| Tool part number | Recommended screw diameter @ grade 8.8 | Torque (Nm), hard joint (30°) | Torque (ft-lbs), hard joint | Torque (ft-lbs), soft joint |
|------------------|--|-------------------------------|-----------------------------|-----------------------------|
| 0 607 661 509    | M 6                                    | 8-18                          | 5.9-13.3                    | 5-15                        |
| 0 607 661 510    | M 6                                    | 8-18                          | 5.9-13.3                    | 5-15                        |
| 0 607 661 505    | M 8                                    | 16-35                         | 11.8-25.8                   | 12-29                       |
| 0 607 661 506    | M 8                                    | 16-35                         | 11.8-25.8                   | 12-29                       |

### 300 Watt T-Grip Impulse Wrenches

- C-L-E-A-N motor technology reduces noise & air consumption and eliminates the need for oil
- Extremely lightweight impulse wrench
- Ergonomic, reinforced T-Grip polyamide housing for balanced center of gravity and optimal comfort
- Shut-off function reacts to mechanical centrifugal force
- Impulse unit features patented innovative piston compression design consisting of only three major parts. This design allows for quick oil changes (less than 15 minutes) without any special tools or vacuum devices, and prevents pulse unit heat buildup
- Higher torque in reverse aids in fastener removal
- Dual-position suspension hook can be mounted on top or at rear of tool

### Impulse Wrench with Shut-off Function



**CLEAN**  
300 Watt  
0.4 Hp Motor

| Tool part number | Recommended screw diameter @ grade 8.8 | Torque (Nm), hard joint (30°) | Torque (ft-lbs), hard joint | Torque (ft-lbs), soft joint |
|------------------|--|-------------------------------|-----------------------------|-----------------------------|
| 0 607 661 507    | M 10                                   | 28-60                         | 20.6-44.2                   | 16-47                       |
| 0 607 661 508    | M 10                                   | 28-60                         | 20.6-44.2                   | 16-47                       |

| Speed (30°)<br>(Nm), soft joint (720°) | Torque (ft-lbs), soft joint (720°) | No load speed (rpm) | Rotation (R = right, L = left) | Power (watts/horsepower) | Air consumption under load (l/s) | Air consumption under load (cfm) | Weight kg / lbs. | Bit Holder/Drive end<br>Hex = Female Hexagon<br>QC = Quick-change chuck | Air inlet thread  | Features  | Included Accessories | Accessory Part numbers |  |
|--|------------------------------------|---------------------|--------------------------------|--------------------------|----------------------------------|----------------------------------|------------------|---|---|---|----------------------|------------------------|--|
| 11.8–20.6                              | 3800                               | R/L                 | 400 / 0.54                     | 8                        | 17                               | 1.5 / 3.3                        | 3/8" Sq.         | G 1/4"  | All models feature locking reverse button   | Barbed hose nipple<br>Auxiliary handle<br>Suspension hook<br>Adjusting screwdriver  | 2 603 386 002        |                        |  |
| 11.8–20.6                              | 3800                               | R/L                 | 400 / 0.54                     | 8                        | 17                               | 1.5 / 3.3                        | 7/16" QC         | G 1/4"  |   |   | 3 602 025 009        |                        |  |
| 17–29.5                                | 3800                               | R/L                 | 400 / 0.54                     | 8                        | 17                               | 1.5 / 3.3                        | 3/8" Sq.         | G 1/4"  |   |   | 3 604 720 004        |                        |  |
| 17–29.5                                | 3800                               | R/L                 | 400 / 0.54                     | 8                        | 17                               | 1.5 / 3.3                        | 7/16" QC         | G 1/4"  |   |   | 1 907 959 023        |                        |  |
|  |                                    |                     |                                |                          |                                  |                                  |                  |   |   |   |                      |                        |  |
| 3.7–11                                 | 4000                               | R/L                 | 300 / 0.4                      | 8                        | 17                               | 1 / 2.2                          | 3/8" Sq.         | G 1/4"  | All models feature screw counting port; the existing end plug must be replaced with adapter 3 609 202 745 to enable this option. (Item is on page 39) | Barbed hose nipple<br>0 607 661 509, ...510<br>0 607 661 505, ...506<br>Allen wrench<br>Dual-position suspension hook<br>Rear suspension hook bushing | 3 603 386 039        |                        |  |
| 3.7–11                                 | 4000                               | R/L                 | 300 / 0.4                      | 8                        | 17                               | 1 / 2.2                          | 1/4" QC          | G 1/4"  |   |   | 2 603 386 002        |                        |  |
| 8.8–21.3                               | 4500                               | R/L                 | 300 / 0.4                      | 9                        | 19                               | 1 / 2.2                          | 3/8" Sq.         | G 1/4"  |   |   | 1 907 950 004        |                        |  |
| 8.8–21.3                               | 4500                               | R/L                 | 300 / 0.4                      | 9                        | 19                               | 1 / 2.2                          | 1/4" QC          | G 1/4"  |   |   | 3 601 923 017        |                        |  |
|  |                                    |                     |                                |                          |                                  |                                  |                  |   |   |   |                      |                        |  |
| 12–34.7                                | 4700                               | R/L                 | 300 / 0.4                      | 11                       | 23.2                             | 1.3 / 2.9                        | 1/2" Sq.         | G 1/4"  | All models feature screw counting port; the existing end plug must be replaced with adapter 3 609 202 745 to enable this option (Item is on page 39)  | Barbed hose nipple<br>Allen wrench<br>Dual-position suspension hook<br>Rear suspension hook bushing   | 2 603 386 002        |                        |  |
| 12–34.7                                | 4700                               | R/L                 | 300 / 0.4                      | 11                       | 23.2                             | 1.3 / 2.9                        | 7/16" QC         | G 1/4"  |   |   | 1 907 950 004        |                        |  |
|  |                                    |                     |                                |                          |                                  |                                  |                  |   |   |   | 3 601 923 017        |                        |  |
|  |                                    |                     |                                |                          |                                  |                                  |                  |   |   |   | 3 603 231 006        |                        |  |

All motor power & torque data in this catalog assumes an air pressure of 6.3 bar/91psi exists at the tool inlet. Correct air pressure and volume should be verified at inlet with the tool running at no-load speed.

## 150–2200 Nm Torque Range



### Industrial Grade Impact Wrenches

- High speed for use in less critical fastening applications where precise torque values are not required
- Excellent performance/weight ratio
- High quality impact mechanisms ensure long service life
- Simple design; powerful double impact mechanism is made from high alloy materials
- Impact force can be reduced via built-in air limiting valve
- Magnesium housing reduces tool weight
- Magnesium housing models feature friction ring drive

3/8" Pistol Impact Wrench

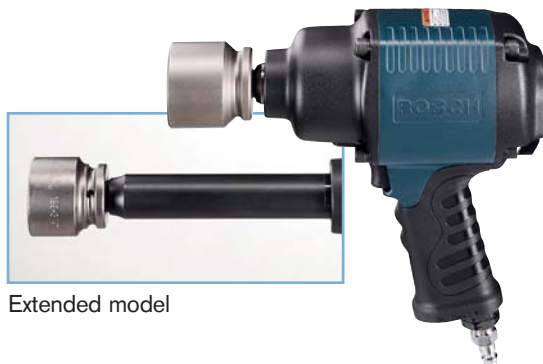


1/2" Pistol Impact Wrench



Extended model

3/4" Pistol Impact Wrench



Extended model

1" D-Handle Impact Wrench



| Tool part number | Recommended screw diameter @ grade 8.8 | *Recommended Torque (Nm) | *Recommended Torque |
|------------------|--|--------------------------|---------------------|
| 0 607 450 614    | M 14                                   | 150                      | 110                 |
| 0 607 450 615    | M 18                                   | 350                      | 258                 |
| 0 607 450 618    | M 18                                   | 300                      | 221                 |
| 0 607 450 616    | M 27                                   | 900                      | 664                 |
| 0 607 450 619    | M 27                                   | 850                      | 627                 |
| 0 607 450 605    | M 30                                   | 400–1700                 | 295–1254            |

\*Recommended torque indicates the ideal range based on the listed screw diameter.

\*\*Maximum torque indicates peak torque of tool regardless of screw diameter.



| (ft-lbs) | **Maximum Torque (Nm) | **Maximum Torque (ft-lbs) | No load speed (rpm) | Rotation (R = right, L = left) | Air consumption under load (l/s) | Air consumption under load (cfm) | Weight kg / lbs. | Bit Holder/Drive end Sq. = Male square drive | Air inlet thread   | Features                                | Included Accessories   | Accessory Part numbers |
|----------|-----------------------|---------------------------|---------------------|--------------------------------|----------------------------------|----------------------------------|------------------|--|--|---|--|------------------------|
| 150      | 110                   | 10,000                    | R/L                 | 6                              | 12.7                             | 1.3 / 2.9                        | 3/8" Sq.         | 1/4"-NPT                                     | 3-position torque control<br>Magnesium housing                                 |   |  |                        |
| 350      | 258                   | 7000                      | R/L                 | 9                              | 19                               | 2.3 / 5.1                        | 1/2" Sq.         | 1/4"-NPT                                     | 3-position torque control<br>Magnesium housing                                 |   |  |                        |
| 300      | 221                   | 7000                      | R/L                 | 9                              | 19                               | 2.6 / 5.7                        | 1/2" Sq. ext.    | 1/4"-NPT                                     | Model...618 features<br>extended anvil   |   |  |                        |
| 900      | 664                   | 4500                      | R/L                 | 11.5                           | 24.4                             | 5 / 11                           | 3/4" Sq.         | 3/8"-NPT                                     | 3-position torque control<br>Magnesium housing                                 |   |  |                        |
| 850      | 627                   | 4500                      | R/L                 | 11.5                           | 24.4                             | 5.9 / 13                         | 3/4" Sq. ext.    | 3/8"-NPT                                     | Model...619 features<br>extended anvil   |   |  |                        |
| 2200     | 1623                  | 4500                      | R/L                 | 23                             | 48.7                             | 9.3 / 20.5                       | 1" Sq.           | 1/2"-NPT                                     | Includes 5-position torque<br>control knob, active in for-<br>ward and reverse | Key<br>Key<br>Key<br>Barbed hose nipple | 3 609 202 190<br>3 609 202 239<br>3 609 202 248<br>3 609 202 238 |                        |

All motor power & torque data in this catalog assumes an air pressure of 6.3 bar/91psi exists at the tool inlet. Correct air pressure and volume should be verified at inlet with the tool running at no-load speed.

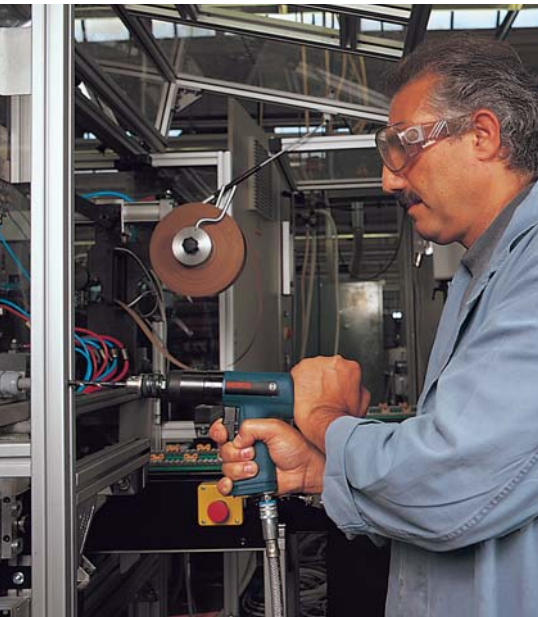
## with CLEAN Oil-free 180 Watt Motors or Standard 120, 180, 400 Watt Motors

### Straight Air Drills

- Production air drills rotate in forward direction only
- Polyamide housing reduces weight and provides operator comfort (400 watt model only)
- Excellent performance/weight ratio
- Air motor provides for long life and long run times without overheating



| Tool part number | Chuck type   | Recommended Maximum drilling diameter in steel |
|------------------|--------------|--|
| 0 607 154 101    | 3/8" Keyed   | 5/32"  |
| 0 607 153 103    | 3/8" Keyed   | 5/16"  |
| 0 607 153 106    | 3/8" Keyless | 5/16"  |
| 0 607 161 100    | 3/8" Keyed   | 5/16"  |
| 0 607 161 102    | 3/8" Keyless | 5/16"  |
| 0 607 161 101    | 3/8" Keyed   | 3/8"   |
| 0 607 161 103    | 3/8" Keyless | 3/8"   |
| 0 607 153 520    | 3/8" Keyed   | 5/16"  |
| 0 607 153 523    | 3/8" Keyless | 5/16"  |
| 0 607 153 521    | 3/8" Keyed   | 13/64"   |
| 0 607 153 524    | 3/8" Keyless | 13/64"   |
| 0 607 153 522    | 3/8" Keyed   | 5/16"  |
| 0 607 153 525    | 3/8" Keyless | 5/16"  |
| 0 607 161 500    | 3/8" Keyed   | 5/16"  |
| 0 607 161 504    | 3/8" Keyless | 5/16"  |
| 0 607 161 501    | 3/8" Keyed   | 3/8"   |
| 0 607 161 505    | 3/8" Keyless | 3/8"   |
| 0 607 161 502    | 1/2" Keyed   | 1/2"   |
| 0 607 161 506    | 1/2" Keyless | 1/2"   |
| 0 607 161 503    | 1/2" Keyed   | 1/2"   |
| 0 607 161 507    | 1/2" Keyless | 1/2"   |



### T-Grip Air Drills

- Production air drills rotate in forward direction only
- C-L-E-A-N motor technology reduces noise & air consumption and eliminates the need for oil (180 watt models only)
- Excellent performance/weight ratio
- Air motor provides for long life and long run times without overheating
- Ergonomic, reinforced T-Grip polyamide housing for balanced center of gravity and optimal comfort

| No load speed regulated (rpm) | No load speed unregulated (rpm) | Rotation (R = right, L = left) | Power (watts/horsepower) | Air consumption under load (l/s) | Air consumption under load (cfm) | Weight kg / lbs. | Drill spindle thread | Air inlet thread | Features           | Included Accessories                       | Accessory Part numbers         |
|-------------------------------|---------------------------------|--------------------------------|--------------------------|----------------------------------|----------------------------------|------------------|----------------------|------------------|--------------------|--|--------------------------------|
| 3200                          | -                               | R only                         | 120/0.16                 | 14.5                             | 19.5                             | 0.45/0.99        | 3/8"-24              | G 1/8"           | 3/8" Keyed chuck   | 3/8" Keyed chuck                           | 1 608 571 020                  |
| 1000                          | -                               | R only                         | 180/0.24                 | 16.0                             | 12.7                             | 0.73/1.6         | 3/8"-24              | G 1/8"           | 3/8" Keyed chuck   | 3/8" Keyed chuck or<br>3/8" Keyless chuck  | 2 608 572 067                  |
| 1000                          | -                               | R only                         | 180/0.24                 | 16.0                             | 12.7                             | 0.83/1.8         | 3/8"-24              | G 1/8"           | 3/8" Keyless chuck | Suspension hook<br>Barbed hose nipple      | 2 604 720 004<br>3 603 386 002 |
| -                             | 2560                            | R only                         | 400/0.54                 | 11.0                             | 23.3                             | 1.1/2.4          | 1/2"-20              | G 1/4"           | 3/8" Keyed chuck   | 3/8" Keyed chuck                           | 1 608 571 030                  |
| -                             | 2560                            | R only                         | 400/0.54                 | 11.0                             | 23.3                             | 1.3/2.8          | 1/2"-20              | G 1/4"           | 3/8" Keyless chuck | 3/8" Keyless chuck                         | 1 608 572 024                  |
| -                             | 1200                            | R only                         | 400/0.54                 | 11.0                             | 23.3                             | 1.2/2.6          | 1/2"-20              | G 1/4"           | 3/8" Keyed chuck   | Suspension hook                            | 3 604 720 004                  |
| -                             | 1200                            | R only                         | 400/0.54                 | 11.0                             | 23.3                             | 1.45/3.2         | 1/2"-20              | G 1/4"           | 3/8" Keyless chuck | Barbed hose nipple<br>Auxiliary handle     | 2 603 386 002<br>3 602 025 005 |
| -                             | 4000                            | R only                         | 180/0.24                 | 16.0                             | 12.7                             | 0.80/1.8         | 3/8"-24              | G 1/4"           | 3/8" Keyed chuck   | 3/8" Keyed chuck                           | 1 608 571 020                  |
| -                             | 4000                            | R only                         | 180/0.24                 | 16.0                             | 12.7                             | 0.90/2           | 3/8"-24              | G 1/4"           | 3/8" Keyless chuck | 3/8" Keyless chuck                         | 2 608 572 067                  |
| -                             | 3000                            | R only                         | 180/0.24                 | 16.0                             | 12.7                             | 0.80/1.8         | 3/8"-24              | G 1/4"           | 3/8" Keyed chuck   | Barbed hose nipple                         | 3 603 386 039                  |
| -                             | 3000                            | R only                         | 180/0.24                 | 16.0                             | 12.7                             | 0.90/2           | 3/8"-24              | G 1/4"           | 3/8" Keyless chuck | Suspension hook                            | 3 601 923 019                  |
| -                             | 1300                            | R only                         | 180/0.24                 | 16.0                             | 12.7                             | 0.80/1.8         | 3/8"-24              | G 1/4"           | 3/8" Keyed chuck   |  |                                |
| -                             | 1300                            | R only                         | 180/0.24                 | 16.0                             | 12.7                             | 0.90/2           | 3/8"-24              | G 1/4"           | 3/8" Keyless chuck |  |                                |
| -                             | 2560                            | R only                         | 400/0.54                 | 10.5                             | 22.2                             | 1.1/2.4          | 1/2"-20              | G 1/4"           | 3/8" Keyed chuck   | 3/8" Keyed chuck                           | 1 608 571 030                  |
| -                             | 2560                            | R only                         | 400/0.54                 | 10.5                             | 22.2                             | 1.3/2.9          | 1/2"-20              | G 1/4"           | 3/8" Keyless chuck | 3/8" Keyless chuck                         | 1 608 572 024                  |
| -                             | 1200                            | R only                         | 400/0.54                 | 10.5                             | 22.2                             | 1.3/2.9          | 1/2"-20              | G 1/4"           | 3/8" Keyed chuck   |  |                                |
| -                             | 1200                            | R only                         | 400/0.54                 | 10.5                             | 22.2                             | 1.5/3.3          | 1/2"-20              | G 1/4"           | 3/8" Keyless chuck |  |                                |
| -                             | 800                             | R only                         | 400/0.54                 | 10.5                             | 22.2                             | 1.45/3.2         | 1/2"-20              | G 1/4"           | 1/2" Keyed chuck   | 1/2" Keyed chuck                           | 1 608 571 055                  |
| -                             | 800                             | R only                         | 400/0.54                 | 10.5                             | 22.2                             | 1.5/3.3          | 1/2"-20              | G 1/4"           | 1/2" Keyless chuck | 1/2" Keyless chuck                         | 2 608 572 062                  |
| -                             | 640                             | R only                         | 400/0.54                 | 10.5                             | 22.2                             | 1.45/3.2         | 1/2"-20              | G 1/4"           | 1/2" Keyed chuck   | Barbed hose nipple                         | 2 603 386 002                  |
| -                             | 640                             | R only                         | 400/0.54                 | 10.5                             | 22.2                             | 1.6/3.5          | 1/2"-20              | G 1/4"           | 1/2" Keyless chuck | Sintered metal muffler<br>Auxiliary handle | 3 603 462 000<br>3 602 025 005 |

All motor power & torque data in this catalog assumes an air pressure of 6.3 bar/91psi exists at the tool inlet. Correct air pressure and volume should be verified at inlet with the tool running at no-load speed.

with 50–100 Watt Motors  
(0.067–0.134 Hp)



Straight Grinder



50 Watt  
0.07 Hp Motor

Straight Grinder



50 Watt  
0.07 Hp Motor

Straight Grinder



50 Watt  
0.07 Hp Motor

Straight Grinder



100 Watt  
0.13 Hp Motor

Straight Grinder



100 Watt  
0.13 Hp Motor

| Tool part number | Maximum grinding stone diameter (mm/inches) | No load speed (rpm) |
|------------------|---|---------------------|
| 0 607 250 202    | 6   | 85000               |
| 0 607 250 207    | 1/4"  | 85000               |
| 0 607 250 203    | 6   | 85000               |
| 0 607 250 208    | 1/4"  | 85000               |
| 0 607 250 201    | 10  | 55000               |
| 0 607 250 206    | 3/8"  | 55000               |
| 0 607 254 100    | 13  | 50000               |
| 0 607 254 106    | 1/2"  | 50000               |
| 0 607 254 105    | 13  | 50000               |
| 0 607 254 107    | 1/2"  | 50000               |

### Straight Grinders

- High speed for precise grinding and delicate polishing applications
- Excellent performance/weight ratio
- Production grinders available in metric collet sizes only
- Ideal for working in damp or wet environments

|        | Rotation (R = right, L = left) | Power (watts/horsepower) | Air consumption under load (l/s) | Air consumption under load (cfm) | Weight kg / lbs. | Collet diameter (mm/inches) | Air inlet thread | Internal hose width (mm) | Features  | Included Accessories                            | Accessory Part numbers |
|--------|--------------------------------|--------------------------|----------------------------------|----------------------------------|------------------|-----------------------------|------------------|--------------------------|---|---|------------------------|
| R only | 50 / .067                      | 1.8                      | 3.8                              | 0.24 / 0.53                      | 3 mm             | M6                          | 4.5              | Rotary switch            | 3 mm collet (grinder ...202)  | 2 609 200 158                                   |                        |
| R only | 50 / .067                      | 1.8                      | 3.8                              | 0.24 / 0.53                      | 1/8"             | M6                          | 4.5              | Rotary switch            | 1/8" collet (grinder ...207)  | 3 609 201 190                                   |                        |
|        |                                |                          |                                  |                                  |                  |                             |                  |                          | Both models include:<br>Open-end wrench, 6/8 mm                               | 2 609 200 157                                   |                        |
| R only | 50 / .067                      | 1.8                      | 3.8                              | 0.24 / 0.53                      | 3 mm             | M6                          | 4.5              | Safety lever switch      | 3 mm collet (grinder ...203)  | 2 609 200 158                                   |                        |
| R only | 50 / .067                      | 1.8                      | 3.8                              | 0.24 / 0.53                      | 1/8"             | M6                          | 4.5              | Safety lever switch      | 1/8" collet (grinder ...206)  | 3 609 201 190                                   |                        |
|        |                                |                          |                                  |                                  |                  |                             |                  |                          | Both models include:<br>Open-end wrench, 6/8 mm                               | 2 609 200 157                                   |                        |
| R only | 50 / .067                      | 1.8                      | 3.8                              | 0.12 / 0.26                      | 3 mm             | M6                          | 4.5              | Rotary switch            | 3 mm collet (grinder ...201)  | 2 609 200 158                                   |                        |
| R only | 50 / .067                      | 1.8                      | 3.8                              | 0.12 / 0.26                      | 1/8"             | M6                          | 4.5              | Rotary switch            | 1/8" collet (grinder ...208)  | 3 609 201 190                                   |                        |
|        |                                |                          |                                  |                                  |                  |                             |                  |                          | Both models include:<br>Open-end wrench, 6/8 mm                               | 2 609 200 157                                   |                        |
| R only | 100 / 0.134                    | 2.7                      | 5.7                              | 0.43 / 0.95                      | 3 mm             | G 1/8"                      | 6                | Lever switch             | 3 mm collet (grinder ...100)<br>6 mm collet (grinder ...100)                  | 2 609 200 158<br>3 608 570 006                  |                        |
| R only | 100 / 0.134                    | 2.7                      | 5.7                              | 0.43 / 0.95                      | 1/4"             | G 1/8"                      | 6                | Lever switch             | 1/4" collet (grinder ...106)  | 2 608 570 072                                   |                        |
|        |                                |                          |                                  |                                  |                  |                             |                  |                          | Both models include:<br>Collet nut<br>14 mm wrench<br>Barbed hose nipple      | 1 603 349 010<br>1 907 950 508<br>3 603 386 002 |                        |
| R only | 100 / 0.134                    | 2.7                      | 5.7                              | 0.43 / 0.95                      | 3 mm             | G 1/8"                      | 6                | Lever switch             | 3 mm collet (grinder ...105)  | 1 608 570 010                                   |                        |
| R only | 100 / 0.134                    | 2.7                      | 5.7                              | 0.43 / 0.95                      | 1/8"             | G 1/8"                      | 6                | Lever switch             | 1/8" collet (grinder ...107)  | 3 608 570 007                                   |                        |
|        |                                |                          |                                  |                                  |                  |                             |                  |                          | Both models include:<br>Collet nut<br>9 mm wrenches (2)<br>Barbed hose nipple | 1 603 314 001<br>1 907 950 503<br>3 603 386 002 |                        |

All motor power & torque data in this catalog assumes an air pressure of 6.3 bar/91psi exists at the tool inlet. Correct air pressure and volume should be verified at inlet with the tool running at no-load speed.

## with 120–450 Watt Motors (0.16–0.6 Hp)

### Straight Grinders

- High speed for precise grinding and delicate polishing applications
- Excellent performance/weight ratio
- Production grinders available in metric collet sizes only
- Ideal for working in damp or wet environments



Straight Grinder



120 Watt  
0.16 Hp Motor

Straight Grinder



220–240 Watt  
0.3–0.32 Hp Motor

Straight Grinder



400 Watt  
0.54 Hp Motor

Straight Grinder



450 Watt  
0.6 Hp Motor

| Tool part number | Maximum grinding stone diameter (mm/inches) | No load speed (rpm) |
|------------------|---|---------------------|
| 0 607 254 101    | 20  | 33000               |
| 0 607 254 108    | 3/4"  | 33000               |
| 0 607 253 101    | 20  | 33000               |
| 0 607 253 103    | 3/4"  | 33000               |
| 0 607 253 100    | 40  | 21000               |
| 0 607 253 104    | 1.5"  | 21000               |
| 0 607 261 101    | 30  | 26000               |
| 0 607 261 104    | 1.2"  | 26000               |
| 0 607 261 102    | 50  | 15000               |
| 0 607 261 105    | 2"  | 15000               |
| 0 607 251 102    | 40  | 21000               |
| 0 607 251 103    | 1.5"  | 21000               |

| Rotation (R = right, L = left) | Power (watts/horsepower) | Air consumption under load (l/s) | Air consumption under load (cfm) | Weight kg / lbs. | Collet diameter (mm/inches) | Air inlet thread | Internal hose width (mm) | Features   | Included Accessories   | Accessory Part numbers  |
|--------------------------------|--------------------------|----------------------------------|----------------------------------|------------------|-----------------------------|------------------|--------------------------|--|--|---|
| R only                         | 120 / 0.16               | 2.7                              | 5.7                              | 0.81 / 1.8       | 6 mm                        | G 1/8"           | 6                        | Lever switch   | 6 mm collet (grinder ...101)   | 3 608 570 006   |
| R only                         | 120 / 0.16               | 2.7                              | 5.7                              | 0.81 / 1.8       | 1/4"                        | G 1/8"           | 6                        | Lever switch   | 1/4" collet (grinder ...108)   | 2 608 570 072   |
|                                |                          |                                  |                                  |                  |                             |                  |                          |  | Both models include:<br>Collet nut<br>14 mm wrenches (2)<br>Barbed hose nipple                             | 1 603 349 010<br>1 907 950 508<br>3 603 386 002                                   |
| R only                         | 220 / 0.3                | 6                                | 12.7                             | 0.65 / 1.43      | 6 mm                        | G 1/8"           | 6                        | Safety lever switch  | 6 mm collet (grinder ...101)   | 3 608 570 006   |
| R only                         | 220 / 0.3                | 6                                | 12.7                             | 0.65 / 1.43      | 1/4"                        | G 1/8"           | 6                        | Safety lever switch  | 1/4" collet (grinder ...103)   | 2 608 570 072   |
| R only                         | 240 / 0.32               | 6                                | 12.7                             | 0.65 / 1.43      | 6 mm                        | G 1/8"           | 6                        | Safety lever switch,<br>speed regulated (model<br>100 & 104) | 6 mm collet (grinder ...100)   | 2 608 570 079   |
| R only                         | 240 / 0.32               | 6                                | 12.7                             | 0.65 / 1.43      | 1/4"                        | G 1/8"           | 6                        |  | 1/4" collet (grinder ...104)   | 2 608 570 085   |
|                                |                          |                                  |                                  |                  |                             |                  |                          |  | All models include:<br>Collet nut<br>14 mm wrench<br>17 mm wrench<br>Barbed hose nipple                    | 3 603 342 001<br>1 907 950 508<br>2 607 950 511<br>3 603 386 002                  |
| R only                         | 400 / 0.54               | 11                               | 23.3                             | 0.65 / 1.43      | 6 mm                        | G 1/4"           | 10                       | Safety lever switch  | 6 mm collet (grinder ...101)   | 2 608 570 079   |
| R only                         | 400 / 0.54               | 11                               | 23.3                             | 0.65 / 1.43      | 1/4"                        | G 1/4"           | 10                       | Safety lever switch  | 1/4" collet (grinder ...104)   | 2 608 570 085   |
| R only                         | 400 / 0.54               | 11                               | 23.3                             | 0.65 / 1.43      | 6 mm                        | G 1/4"           | 10                       | Safety lever switch,<br>speed regulated (model<br>102 & 105) | 6 mm collet (grinder ...102)   | 2 608 570 079   |
| R only                         | 400 / 0.54               | 11                               | 23.3                             | 0.65 / 1.43      | 1/4"                        | G 1/4"           | 10                       |  | 1/4" collet (grinder ...105)   | 2 608 570 085   |
|                                |                          |                                  |                                  |                  |                             |                  |                          |  | All models include:<br>Collet nut<br>14 mm wrench<br>17 mm wrench<br>Barbed hose nipple<br>Suspension hook | 3 603 342 001<br>1 907 950 508<br>2 607 950 511<br>2 603 386 002<br>3 604 720 004 |
| R only                         | 450 / 0.6                | 11                               | 23.3                             | 1.05 / 2.3       | 6 mm                        | G 1/4"           | 10                       | Safety lever switch,<br>speed regulated<br>(both models)     | 6 mm collet (grinder ...102)   | 2 608 570 079   |
| R only                         | 450 / 0.6                | 11                               | 23.3                             | 1.05 / 2.3       | 1/4"                        | G 1/4"           | 10                       |  | 1/4" collet (grinder ...103)   | 2 608 570 085   |
|                                |                          |                                  |                                  |                  |                             |                  |                          |  | Both models include:<br>Collet nut<br>17 mm wrench (2)<br>Barbed hose nipple<br>Suspension hook            | 3 603 342 001<br>2 607 950 511<br>2 603 386 002<br>3 604 720 004                  |

All motor power & torque data in this catalog assumes an air pressure of 6.3 bar/91psi exists at the tool inlet. Correct air pressure and volume should be verified at inlet with the tool running at no-load speed.

with 400–3500 Watt Motors  
(0.54–4.7 Hp)



**Vertical Sander**  
400 Watt  
0.54 Hp Motor

| Tool part number | Maximum abrasive wheel diameter (mm/inches) | No load speed (rpm) |
|------------------|---|---------------------|
| 0 607 361 100    | 170   | 5400                |
| 0 607 352 100    | 115   | 13000               |

### Vertical Grinders

- Polyamide housing for maximum comfort & durability
- Excellent performance/weight ratio
- Ideal for working in damp or wet environments



**Vertical Grinder**  
550 Watt  
0.74 Hp Motor

|               |     |      |
|---------------|-----|------|
| 0 607 355 100 | 180 | 8500 |
| 0 607 355 102 | 7"  | 8500 |
| 0 607 355 101 | 230 | 6500 |
| 0 607 355 103 | 9"  | 6500 |
| 0 607 356 100 | 180 | 8500 |
| 0 607 356 102 | 7"  | 8500 |
| 0 607 356 101 | 230 | 6500 |
| 0 607 356 103 | 9"  | 6500 |

**Vertical (Pot) Grinder**  
2500–3500 Watt  
3.35–4.7 Hp Motor





| Rotation (R = right, L = left) | Power (watts/horsepower) | Air consumption under load (l/s) | Air consumption under load (cfm) | Weight kg / lbs. | Spindle thread (mm) | Air inlet thread | Internal hose width (mm) | Features                                    | Included Accessories   | Accessory Part numbers   |
|--------------------------------|--------------------------|----------------------------------|----------------------------------|------------------|---------------------|------------------|--------------------------|---|--|--|
| R only                         | 400 / 0.54               | 11                               | 23.3                             | 0.95 / 2         | M 14                | G 1/4"           | 10                       | Use with flexible sanding discs             | Guard  | 2 601 329 036  |
|                                |                          |                                  |                                  |                  |                     |                  |                          | Grinder is available in metric spindle only | Barbed hose nipple<br>Muffler<br>Auxiliary handle<br>Handle clamp                    | 2 603 386 002<br>3 607 000 000<br>1 602 025 022<br>3 608 040 002 |
| R only                         | 550 / 0.74               | 12.5                             | 26.5                             | 1.6 / 3.5        | M 14                | G 1/4"           | 10                       | Speed regulated                             | Guard  | 1 605 510 118  |
|                                |                          |                                  |                                  |                  |                     |                  |                          | Grinder is available in metric spindle only | Flange nut<br>Flange nut pin spanner<br>Barbed hose nipple<br>Sintered metal muffler | 2 603 340 013<br>1 607 950 052<br>2 603 386 002<br>3 603 462 000 |
| R only                         | 2500 / 3.35              | 46                               | 97.5                             | 4.9 / 10.8       | M 14                | G 3/4"           | 19                       | All models are speed regulated              | Serrated nut   | 2 603 345 004  |
| R only                         | 2500 / 3.35              | 46                               | 97.5                             | 4.9 / 10.8       | 5/8" - 11           | G 3/4"           | 19                       |   | Flange nut   | 2 600 501 006  |
| R only                         | 2500 / 3.35              | 42                               | 89                               | 5.2 / 11.5       | M 14                | G 3/4"           | 19                       |   | Allen wrench   | 1 602 950 007  |
| R only                         | 2500 / 3.35              | 42                               | 89                               | 5.2 / 11.5       | 5/8" - 11           | G 3/4"           | 19                       |   | Flange nut pin spanner   | 1 607 950 061  |
| R only                         | 3500 / 4.7               | 58                               | 123                              | 5.5 / 12.1       | M 14                | G 3/4"           | 19                       |   | 17mm open end wrench   | 2 607 950 511  |
| R only                         | 3500 / 4.7               | 58                               | 123                              | 5.5 / 12.1       | 5/8" - 11           | G 3/4"           | 19                       |   | Barbed hose nipple   | 3 603 386 004  |
| R only                         | 3500 / 4.7               | 53                               | 112                              | 5.8 / 12.8       | M 14                | G 3/4"           | 19                       |   | Protective guard for:<br>0 607 355 100/102,<br>0 607 356 100/102                     | 3 605 510 008  |
| R only                         | 3500 / 4.7               | 53                               | 112                              | 5.8 / 12.8       | 5/8" - 11           | G 3/4"           | 19                       |   | Protective guard for:<br>0 607 355 101/103,<br>0 607 356 101/103                     | 2 605 510 009  |

All motor power & torque data in this catalog assumes an air pressure of 6.3 bar/91psi exists at the tool inlet. Correct air pressure and volume should be verified at inlet with the tool running at no-load speed.

For Loads from 0.3 to 17 kg  
(0.7 to 37.5 lbs)



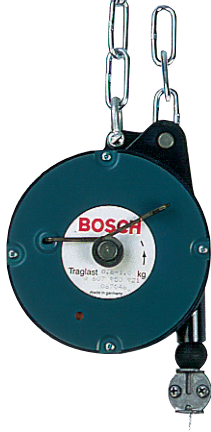
## Balancers

- Sturdy metal safety holder includes snap hook
- Balancers feature a high quality distribution valve and safety clutch for even, smooth cable action
- Spring breakage protection on balancers with a load capacity greater than 3 kg / 6.6 lbs.
- Cable changes do not require spring removal
- Balancer dimensions are on page 51

Balancer



Balancer



Balancer



| Part number   | Min. loading cap. (kg/lbs) | Max. loading cap. (kg/lbs) | Max. drop (mm / inches) | Weight (kg / lbs) | Features  |
|---------------|----------------------------|----------------------------|-------------------------|-------------------|---|
|               |                            |                            |                         |                   |   |
| 0 607 950 920 | 0.3 / 0.7                  | 1.2 / 2.6                  | 1200 / 47               | 0.5 / 1.1         | Coil return with adjustable load range          |
|               |                            |                            |                         |                   |   |
| 0 607 950 921 | 0.6 / 1.3                  | 1 / 2.2                    | 2000 / 79               | 0.7 / 1.5         | Coil return with adjustable load range          |
| 0 607 950 922 | 1 / 2.2                    | 2 / 4.4                    | 2000 / 79               | 0.7 / 1.5         |   |
| 0 607 950 923 | 2 / 4.4                    | 3 / 6.6                    | 2000 / 79               | 0.8 / 1.8         |   |
| 0 607 950 931 | 0.5 / 1.1                  | 2 / 4.4                    | 2000 / 79               | 0.7 / 1.5         | Coil return with adjustable load range and lock |
| 0 607 950 937 | 1.5 / 3.3                  | 3 / 6.6                    | 2000 / 79               | 0.8 / 1.8         |   |
|               |                            |                            |                         |                   |   |
|               |                            |                            |                         |                   |   |
| 0 607 950 924 | 3 / 6.6                    | 5 / 11                     | 2000 / 79               | 3 / 6.6           | Coil return with adjustable load range          |
| 0 607 950 925 | 6 / 13.2                   | 8 / 17.6                   | 2000 / 79               | 3.2 / 7.1         |   |
| 0 607 950 926 | 8 / 17.6                   | 10 / 22                    | 2000 / 79               | 3.4 / 7.5         |   |

**Balancer**



**Hose Balancer**








| Part number   | Min. loading cap. (kg / lbs) | Max. loading cap. (kg / lbs) | Max. drop (mm / inches) | Weight (kg / lbs) | Features   |
|---------------|------------------------------|------------------------------|-------------------------|-------------------|--|
| 0 607 950 927 | 9 / 19.8                     | 14 / 30.9                    | 2000 / 79               | 3.4 / 7.5         | Balancer with adjustable load range  |
| 0 607 950 928 | 13 / 28.7                    | 17 / 37.5                    | 2000 / 79               | 3.6 / 7.9         |  |
|               |                              |                              |                         |                   | All models are equipped with a 960 mm adjustable hanging chain   |
| <hr/>         |                              |                              |                         |                   |  |
| 0 607 950 938 | 0.4 / 0.9                    | 1.2 / 2.6                    | 800 / 31                | 1.2 / 2.6         | Balancer is equipped with quick lock clutch P/N 1 609 233 009. The usual pulley is omitted on these models and replaced with a 5 mm I.D. air supply hose. Air inlet is G 1/4" thread |
| 0 607 950 939 | 1.2 / 2.6                    | 2.2 / 4.9                    | 800 / 31                | 1.2 / 2.6         |  |
| 0 607 950 940 | 2.2 / 4.9                    | 3 / 6.6                      | 800 / 31                | 1.2 / 2.6         |  |

# 20 Watt Pencil-Style Straight Screwdriver Accessories



## 20 watt bits and guide sleeves for use with integrated screw vacuum retaining system

|  | Part number   | Features & Comments |
|--|---|---------------------|
|  <p>3 mm hex drive shank</p>   | Flat blade screwdriver bit, 3 mm drive shank, 0.5 thick x 3 mm wide blade | 3 608 520 001       |
|  | Flat blade screwdriver bit, 3 mm drive shank, 0.6 thick x 4 mm wide blade | 3 608 520 002       |
|  | Flat blade screwdriver bit, 3 mm drive shank, 0.8 thick x 5 mm wide blade | 3 608 520 003       |
|  <p>3 mm hex drive shank</p>   | Phillips head screwdriver bit, 3 mm drive shank, #0 (zero) tip size       | 3 608 520 004       |
|  | Phillips head screwdriver bit, 3 mm drive shank, #1 (one) tip size        | 3 608 520 005       |
|  <p>3 mm hex drive shank</p>   | Pozidrive head screwdriver bit, 3 mm drive shank, #0 (zero) tip size      | 3 608 520 006       |
|  | Pozidrive head screwdriver bit, 3 mm drive shank, #1 (one) tip size       | 3 608 520 007       |
|  <p>3 mm hex drive shank</p>   | Torx head screwdriver bit, 3 mm drive shank, size T5                      | 3 609 202 738       |
|  | Torx head screwdriver bit, 3 mm drive shank, size T6                      | 3 609 202 739       |
|  | Torx head screwdriver bit, 3 mm drive shank, size T7                      | 3 609 202 740       |
|  | Torx head screwdriver bit, 3 mm drive shank, size T8                      | 3 609 202 741       |
|  | Torx head screwdriver bit, 3 mm drive shank, size T9                      | 3 609 202 742       |
|  <p>3 mm hex drive shank</p> | Torx head screwdriver bit, 3 mm drive shank, size T10                     | 3 609 202 743       |
|  | Guide sleeve, blank (unfinished) for all bits listed on this page         | 3 600 723 001       |

**Bit and Vacuum System Operation**

All bits listed on this page can be used with or without the integrated screw vacuum feature on the 20 watt pencil screwdriver.

Bits are inserted into the driver by removing the collet cover (in direction of arrow on cover) and unscrewing the collet nut. The bit is secured after insertion by tightening the collet nut.

When screw vacuum is desired, a guide sleeve and sleeve holding spring must be used to cover the bit; the guide sleeve (shown below) is sold separately. The sleeve holding spring is included with the screwdriver.

Guide sleeves are shipped unfinished; the bore of the sleeve is drilled but the tip must be machined to fit each desired screw application by a qualified machine shop.

Screw vacuum level is adjusted on the back of the driver and can be disabled if desired. The guide sleeve directs vacuum to the tip of the bit; the guide sleeve spring allows the sleeve to retract into the tool as the screw is fastened.

Vacuum system can be used with screw sorting sheets (below) to increase fastening efficiency.

Vacuum system can be used with holding fixture (opposite page) to prevent dirt from clogging screwdriver when not in use. The holder is a simple valve and cup; when the tool is placed in the cup, the valve shuts off all feed air from the tool, disabling the vacuum system and motor.

The Bosch bits listed on this page are the only bits which work with the vacuum retaining system. All other commercial bits are too thick to function with the guide sleeve. A 1/4" adapter is available (see opposite page) for use with commercial bits.

Required for integrated screw vacuum retaining system. See above text for functional details.

## Screw sorting sheets for use with integrated screw vacuum retaining system



|   |               |
|---|---------------|
| Perforated screw sorting sheet for M1.6/M2 screws | 1 609 202 846 |
| Perforated screw sorting sheet for M2.5 screws    | 1 609 202 847 |
| Perforated screw sorting sheet for M3 screws      | 1 609 202 848 |

The user loads screws for vacuum pickup by placing a handful of screws on a sheet and gently shaking it until the shanks of all the screws drop into the slots of the sheet.

With the guide sleeve installed on the tip of the pencil screwdriver, individual screws can be retained without the use of hands. (Plastic bin shown is not a Bosch item)

**Pencil screwdriver holding fixture  
for use with integrated screw vacuum retaining system**



**Pencil driver holding fixture with built-in air supply shut off valve (prevents dirt & dust from clogging tool vacuum system)**

1 609 202 845

Prevents dirt & dust from clogging tool vacuum system. Valve is installed in series into supply air line.

The holder is a simple valve and cup; when the tool is placed in the cup, the valve shuts off the air supply to the tool, disabling the vacuum system and motor.

**Universal bit holder  
NOT for use with integrated screw vacuum retaining system**



**Universal bit holder, 3 mm drive to 1/4" quick-change chuck**

3 609 202 751

NOT for use with screw vacuum system  
Accepts all standard 1/4" bits


1/4" chuck

3 mm hex drive shank


# Accessories for Screwdrivers, Nutrunners, Tappers, Drills & Grinders



## Clutch Springs for all models of 120-180 Watt Shut-off Clutches

|   | Part number   | Features & Comments   |
|---|---|---|
|  | <b>White clutch spring</b><br>Torque range 0.5–2.5 Nm | 3 604 618 003<br>Optional for all drivers (not included as standard spring for any 120 to 180 watt driver.) Used for lowest torque applications.  |
|   | <b>Yellow clutch spring</b><br>Torque range 1.2–8 Nm  | 3 604 619 003<br>Standard spring included with most 120 to 180 watt drivers. Used for medium torque applications within product range.  |
|   | <b>Blue clutch spring</b><br>Torque range 1.2–15 Nm   | 3 604 619 020<br>Optional for all drivers, standard for some models. Used for maximum torque applications within product range. Refer to product pages for standard spring applications |


## Screw Feeder Clutch Housings for all 120-180 Watt Straight & T-Grip Drivers

|   |   |   |
|---|---|---|
|  | <b>Clutch housing for 120W - 0.16 Hp</b><br>Straight & T-Grip drivers | 3 605 125 058<br>Mates Bosch driver to automatic screw feed systems (non-Bosch item) Standard clutch housing is removed & replaced by this item |
|   | <b>Clutch housing for 180W - 0.25 Hp</b><br>Straight & T-Grip drivers | 3 605 125 057<br>Mates Bosch driver to automatic screw feed systems (non-Bosch item) Standard clutch housing is removed & replaced by this item |






## Accessory Handles & Sleeves

|   |   |  |
|---|---|--|
|  | <b>Rubberized grip sleeve for all 120 watt straight drivers</b>                           | 3 600 499 002<br>Slides over screwdriver housing to provide better grip and prevent tool from spinning in operators hand |
|   | <b>Rubberized grip sleeve for all 180 watt straight drivers</b>                           | 3 600 499 001<br>Slides over screwdriver housing to provide better grip and prevent tool from spinning in operators hand |
|   | <b>Standard side handle with wing nut clamp for all 400 watt straight drivers</b>         | 3 602 025 009<br>Handle clamp diameter is 46 millimeters. This handle is included with some drills & drivers             |
|   | <b>Integrated rear handle for 120 watt straight drivers</b>                               | 3 607 031 352<br>Converts straight driver to pistol-type. Slides over center of tool                                     |
|   | <b>Integrated rear handle for 180 watt straight drivers</b>                               | 3 607 031 351<br>Converts straight driver to pistol-type. Slides over center of tool                                     |
|   | <b>Heavy-duty side handle for all 400 watt straight &amp; T-grip drivers &amp; drills</b> | 1 602 025 022<br>Handle requires use of 3 608 040 002 clamp (shown below)  |
|   | <b>48 mm Heavy-duty clamp for use with heavy-duty side handles</b>                        | 3 608 040 002<br>Clamp is required for heavy duty handles  |









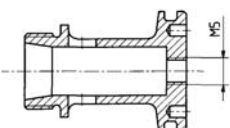
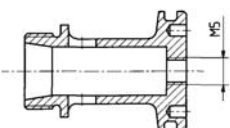
## Center Mount Suspension Hooks for Drills, Drivers & Nutrunners

|   |   |   |
|---|---|---|
|  | <b>Center mount suspension hook for 180 watt angle nutrunners</b>                       | 3 601 310 016<br>Connects tool to balancer cable; allows tool to hang horizontally. |
|   | <b>Center mount suspension hook for 370 watt angle nutrunners</b>                       | 2 601 310 002<br>Connects tool to balancer cable; allows tool to hang horizontally. |
|   | <b>Center mount suspension hook for 400 watt drills, drivers &amp; angle nutrunners</b> | 3 604 720 006<br>Connects tool to balancer cable; allows tool to hang horizontally. |

### Suspension Hooks & Grease Gun for Impact Wrenches

|  | Part number   | Features & Comments  |
|--|---------------|--|
|   | 3 609 201 495 | Connects tool to balancer cable; allows tool to hang horizontally. |
|   | 3 609 201 494 | Connects tool to balancer cable; allows tool to hang vertically.   |
|   | 3 609 202 280 | Connects tool to balancer cable; allows tool to hang vertically.   |
|   | 3 609 202 147 | Connects tool to balancer cable; allows tool to hang horizontally. |
|  | 3 609 202 133 | Lubricates impact pin mechanism                                    |


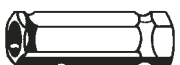
### Exhaust Hoses, Mufflers & Port Adapters for All Production Tools

|   |  |               |   |
|---|--|---------------|---|
|  | Exhaust hose for 20 watt screwdriver   | 3 600 712 008 | Fits decentralized exhaust of 20 watt pencil-style screwdriver  |
|  | Exhaust hose for 120–180 watt straight screwdriver & 100–120 watt grinders     | 3 607 000 064 | Central hose fits all 120/180 watt screwdrivers and grinders 0 607 254 100, ...101  |
|  | Offset exhaust housing and hose for 120–180 watt screwdrivers                  | 3 607 000 083 | Fits decentralized exhaust of 120/180 watt drivers with plastic rear housing (all models)                                       |
|   | Exhaust hose for 370/400 watt straight drivers, drills and grinders            | 3 607 000 027 | Central hose fits all 370/400 watt straight screwdrivers, drills 0 607 161 100, 101, 102, 103 and grinders 0 607 261 101, 102   |
|   | Exhaust hose for 400 watt T-grip screwdrivers & drills                         | 3 607 000 011 | Central hose fits all 400 watt T-grip drivers, drills 0 607 161 500-507 and grinders 0 607 254 100, 101                         |
|  | Offset exhaust housing and hose for 400 watt straight screwdrivers             | 3 607 030 024 | Decentralized hose fits all 400 watt straight screwdrivers, drills 0 607 161 100, 101, 102, 103 and grinders 0 607 261 101, 102 |
|  | Muffler for all 400 watt T-grip drivers & drills                               | 3 607 000 000 | Plastic muffler   |
|  | Screw counting port adapter sleeve for all 180W T-grip & 300W impulse wrenches | 3 609 202 745 | Fits models 0 607 661 505–510 and 0 607 453 429–443<br>Converts port to M5 thread   |
|  | Screw counting port adapter sleeve for 400W T-grip drivers                     | 3 609 202 746 | Fits models 0 607 461 405, 406, 408<br>Converts port to M5 thread   |
|  | Screw counting port adapter sleeve for 400W T-grip drivers                     | 3 609 202 791 | Fits models 0 607 461 403, 404, 409<br>Converts port to M5 thread   |





# Accessories for Screwdrivers, Tappers, Drills & Grinders



## Tapper Accessories

|   | Part number   | Features & Comments  |
|---|---------------|--|
|  | 3 608 573 000 | Includes square drive chuck key 1 607 950 002 listed below |
| Chuck key for two-jaw tapper  | 2 607 950 012 | Spare square drive key for flex chuck (above)              |
|  | 3 608 502 000 |  |
| Rigid short tap chuck with 7/16 inch shank 5.55 mm / 0.219 in. square drive       | 3 608 502 001 |  |

## 400 Watt Straight & T-Grip Screwdriver Guide Sleeve / Accessories Fits all models with 1/4" quick-change chuck

|   |                      |               |   |
|---|----------------------|---------------|---|
|    | Guide sleeve         | 3 600 329 000 | Prevents screw head from sliding off bit during fastening; requires clutch cover end cap, spring and serrated cap nut listed below. |
|   | Clutch cover end cap | 3 600 508 014 | Screws onto existing cover on tool. Used with 3 600 329 000 guide sleeve (above).   |
|  | Compression spring   | 3 604 615 000 | Inserts into clutch cover (above), keeps guide sleeve 3 600 329 000 extended around bit.  |
|  | Serrated cap nut     | 3 603 313 002 | Threads onto end cap 3 600 508 014 for use with guide sleeve 3 600 329 000.   |

## Miscellaneous Accessories

|   |   |               |  |
|---|---|---------------|--|
|  | Angle Head Protective Rubber Cover                  | 3 605 500 171 | Fits all Angle head models except Heavy-duty head 0 607 451 618          |
|  | Quick-Change Chuck Rubber Cover Sleeve              | 3 605 500 172 | For all 1/4" quick change chucks   |
|  | Straight Head for All 180/370 Watt Angle Nutrunners | 0 607 453 631 | Fits all 180/370 watt Air Nutrunners and all cordless angle EXACT models |




### Collets for Straight Grinders

| Collet Diameter | Collet Part Number | Straight Grinder Part Numbers |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
|-----------------|--------------------|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
|                 |                    | 0 607 250 202, ...207         | 0 607 250 203, ...206 | 0 607 250 201, ...208 | 0 607 254 100, ...106 | 0 607 254 101, ...108 | 0 607 254 105, ...107 | 0 607 253 101, ...103 | 0 607 253 100, ...104 | 0 607 261 101, ...104 | 0 607 261 102, ...105 | 0 607 251 102, ...103 |  |
| 1.0 mm          | 3 609 201 185      | ◆                             | ◆                     | ◆                     |                       |                       |                       |                       |                       |                       |                       |                       |  |
| 1.5 mm          | 3 609 201 186      | ◆                             | ◆                     | ◆                     |                       |                       |                       |                       |                       |                       |                       |                       |  |
| 2.0 mm          | 3 609 201 187      | ◆                             | ◆                     | ◆                     |                       |                       |                       |                       |                       |                       |                       |                       |  |
| 2.5 mm          | 3 609 201 188      | ◆                             | ◆                     | ◆                     |                       |                       |                       |                       |                       |                       |                       |                       |  |
| 3.0 mm          | 2 609 200 158      | ◆                             | ◆                     | ◆                     |                       |                       |                       |                       |                       |                       |                       |                       |  |
| 3.0 mm          | 1 608 570 010      |                               |                       |                       |                       |                       | ◆                     |                       |                       |                       |                       |                       |  |
| 3.0 mm          | 1 608 570 059*     |                               |                       |                       | ◆                     | ◆                     |                       | ◆                     |                       |                       |                       |                       |  |
| 3.0 mm          | 2 608 570 077      |                               |                       |                       |                       |                       |                       |                       | ◆                     | ◆                     | ◆                     | ◆                     |  |
| 6.0 mm          | 3 608 570 006      |                               |                       |                       | ◆                     | ◆                     |                       | ◆                     |                       |                       |                       |                       |  |
| 6.0 mm          | 2 608 570 079      |                               |                       |                       |                       |                       |                       |                       | ◆                     | ◆                     | ◆                     | ◆                     |  |
| 8.0 mm          | 2 608 570 081      |                               |                       |                       |                       |                       |                       |                       | ◆                     | ◆                     | ◆                     | ◆                     |  |
| 3/32"           | 3 609 201 189      | ◆                             | ◆                     | ◆                     |                       |                       |                       |                       |                       |                       |                       |                       |  |
| 1/8"            | 3 609 201 190      | ◆                             | ◆                     | ◆                     |                       |                       |                       |                       |                       |                       |                       |                       |  |
| 1/8"            | 2 608 570 060      |                               |                       |                       | ◆                     | ◆                     |                       | ◆                     |                       |                       |                       |                       |  |
| 1/8"            | 2 608 570 083      |                               |                       |                       |                       |                       |                       |                       | ◆                     | ◆                     | ◆                     | ◆                     |  |
| 1/8"            | 3 608 570 007      |                               |                       |                       |                       |                       | ◆                     |                       |                       |                       |                       |                       |  |
| 1/4"            | 2 608 570 072      |                               |                       |                       | ◆                     | ◆                     |                       | ◆                     |                       |                       |                       |                       |  |
| 1/4"            | 2 608 570 085      |                               |                       |                       |                       |                       |                       |                       | ◆                     | ◆                     | ◆                     | ◆                     |  |

\*includes collet nut

### Collet for Straight Drills

|   | Part number                               | Features & Comments   |
|---|---|---|
|  | <b>Drill collet chuck<br/>3/8" thread</b> | 3 608 570 003<br>Must be used with collets and collet nut listed below. Fits straight drills 0 607 154 101, 0 607 153 101-106 |
|   | <b>Collet nut</b>                         | 3 603 342 001<br>Nut for use with chuck 3 608 570 003   |

# Dimensions for Straight, Pistol & T-Grip Screwdrivers

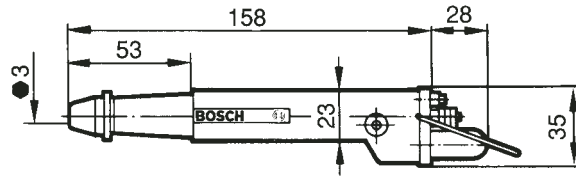


\*Asterisk indicates alternate dimensions for corresponding tool part numbers

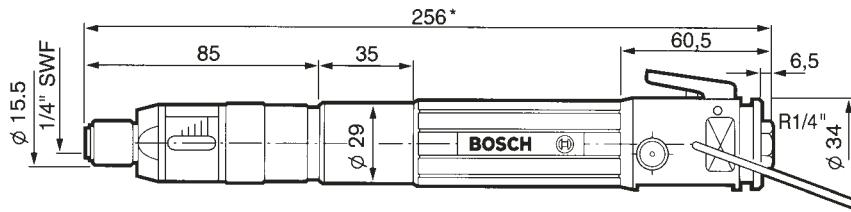
## Straight Screwdrivers

| Tool part number |
|------------------|
| 0 607 459 203    |
| 0 607 459 204    |
| 0 607 459 205    |
| 0 607 454 006    |
| 0 607 454 007    |
| 0 607 454 228*   |
| 0 607 454 229*   |
| 0 607 454 230*   |
| 0 607 454 231    |
| 0 607 454 232    |
| 0 607 454 234    |
| 0 607 454 235    |
| 0 607 454 236    |
| 0 607 454 237    |
| 0 607 454 238    |
| 0 607 454 239    |
| 0 607 453 009    |
| 0 607 453 010    |
| 0 607 453 229    |
| 0 607 453 230    |
| 0 607 453 231    |
| 0 607 453 232    |
| 0 607 453 233    |
| 0 607 453 234    |
| 0 607 453 235    |
| 0 607 453 236    |
| 0 607 453 237    |
| 0 607 453 238    |
| 0 607 453 239    |
| 0 607 453 240    |
| 0 607 453 241    |
| 0 607 453 242    |
| 0 607 461 001    |
| 0 607 461 201    |
| 0 607 461 202    |
| 0 607 461 203    |
| 0 607 461 204    |
| 0 607 461 205    |
| 0 607 461 206    |
| 0 607 461 207    |
| 0 607 461 208    |
| 0 607 461 209    |

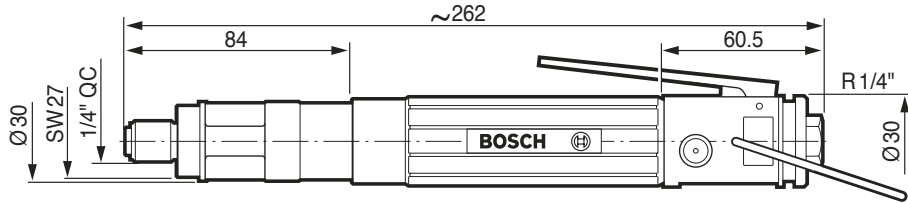
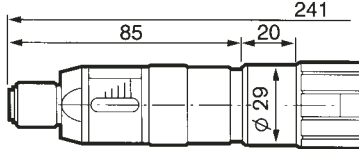
All tool dimensions are in mm



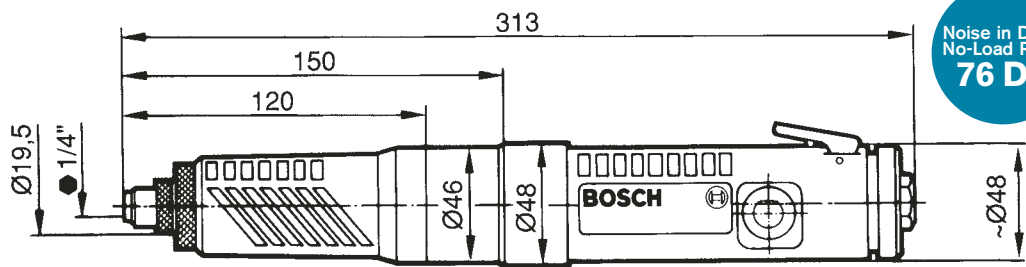
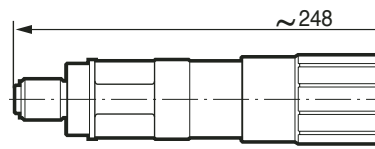
Noise in Db at No-Load Rpm:  
**70 Db**



Noise in Db at No-Load Rpm:  
**70 Db**



Noise in Db at No-Load Rpm:  
**70 Db**



Noise in Db at No-Load Rpm:  
**76 Db**

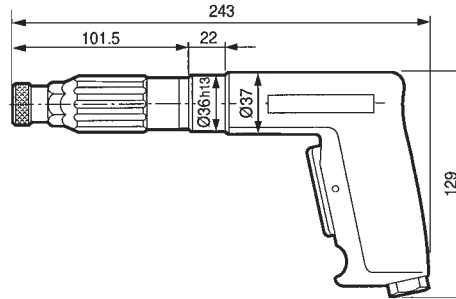
Tool part number

All tool dimensions are in mm

**Pistol & T-Grip Screwdrivers**

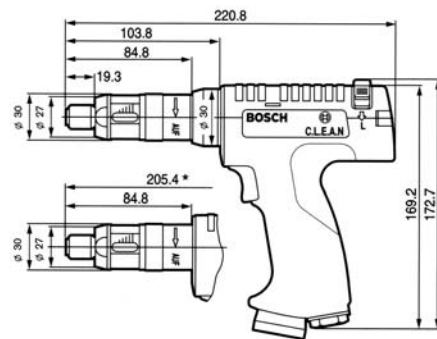
\*Asterisk indicates alternate dimensions for corresponding tool part numbers

- 0 607 453 421
- 0 607 453 422



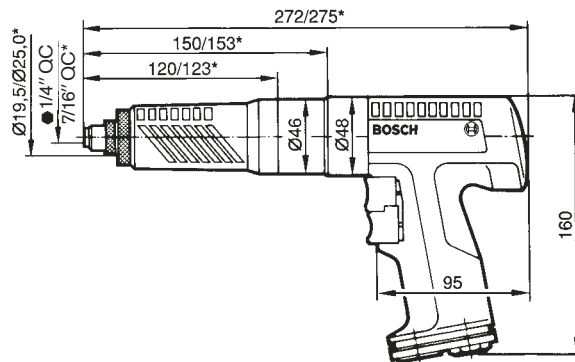
Noise in Db at No-Load Rpm:  
**70 Db**

- 0 607 453 429\*
- 0 607 453 430\*
- 0 607 453 431
- 0 607 453 432
- 0 607 453 433
- 0 607 453 434\*
- 0 607 453 435\*
- 0 607 453 436
- 0 607 453 437
- 0 607 453 438



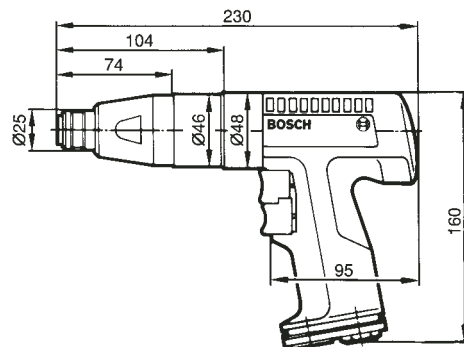
Noise in Db at No-Load Rpm:  
**70 Db**

- 0 607 461 401
- 0 607 461 402
- 0 607 461 403
- 0 607 461 404
- 0 607 461 405
- 0 607 461 406
- 0 607 461 407\*
- 0 607 461 408\*
- 0 607 461 409\*



Noise in Db at No-Load Rpm:  
**77 Db**

- 0 607 461 410
- 0 607 461 411
- 0 607 461 412
- 0 607 461 413



Noise in Db at No-Load Rpm:  
**76 Db**

# Dimensions for Angle Nutrunners



\*Asterisk indicates alternate dimensions for corresponding tool part numbers

## Angle Nutrunners

Tool part number

All tool dimensions are in mm

| Tool part number   | Dimensions and Features | Noise in Db at No-Load Rpm: |
|--|-------------------------|-----------------------------|
| 0 607 453 621<br>0 607 453 622<br>0 607 453 623<br>0 607 453 624<br>0 607 453 625<br>0 607 453 626 |                         | 76 Db                       |
| 0 607 451 600<br>0 607 451 601*<br>0 607 451 604   |                         | 77 Db                       |
| 0 607 451 602<br>0 607 451 603*<br>0 607 451 605   |                         | 77 Db                       |
| 0 607 451 606<br>0 607 451 607*  |                         | 77 Db                       |

## Angle Nutrunners

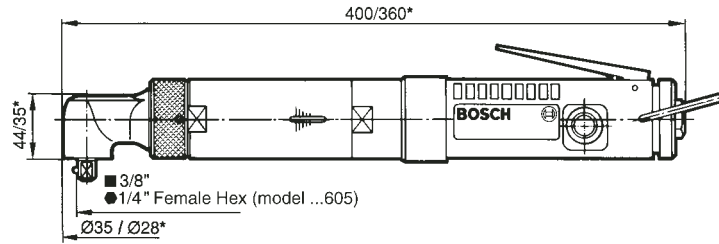
\*Asterisk indicates alternate dimensions for corresponding tool part numbers

Tool part number

All tool dimensions are in mm

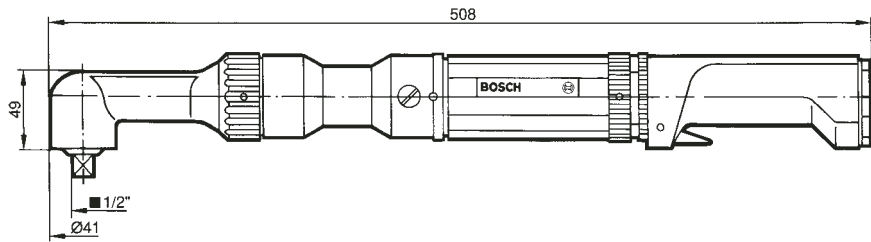


- 0 607 461 600
- 0 607 461 602
- 0 607 461 604\*
- 0 607 461 605\*



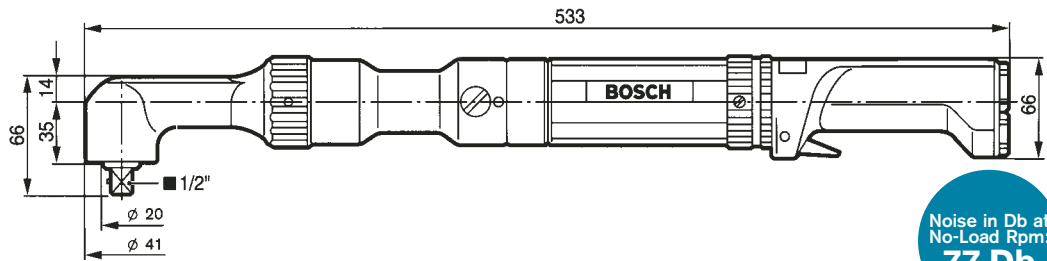
Noise in Db at No-Load Rpm:  
**76 Db**

- 0 607 457 600
- 0 607 457 601



Noise in Db at No-Load Rpm:  
**77 Db**

- 0 607 457 602



Noise in Db at No-Load Rpm:  
**77 Db**

# Dimensions for Impulse & Impact Wrenches

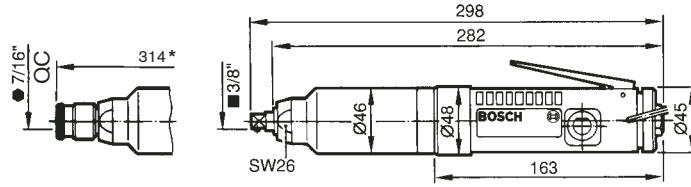


All tool dimensions are in mm

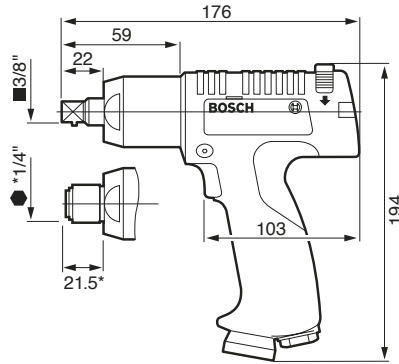
\*Asterisk indicates alternate dimensions for corresponding tool part numbers

## Impulse Wrenches

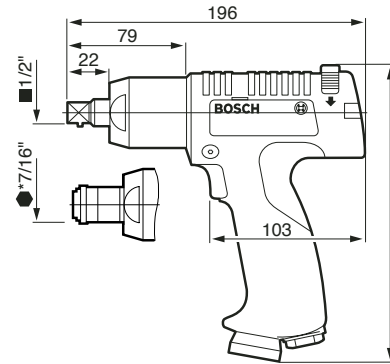
| Tool part number |
|------------------|
| 0 607 661 101    |
| 0 607 661 102*   |
| 0 607 661 103    |
| 0 607 661 104*   |
|                  |
| 0 607 661 505    |
| 0 607 661 506*   |
| 0 607 661 509    |
| 0 607 661 510*   |
|                  |
| 0 607 661 507    |
| 0 607 661 508*   |
|                  |



Noise in Db at No-Load Rpm:  
**77 Db**



Noise in Db at No-Load Rpm:  
**76 Db**



Noise in Db at No-Load Rpm:  
**76 Db**

**Impact Wrenches**

\*Asterisk indicates alternate dimensions for corresponding tool part numbers

All tool dimensions are in mm

Tool part number



0 607 450 614

**Dimensions not available at time of printing**

Noise in Db at No-Load Rpm:  
**93 Db**

0 607 450 615

**Dimensions not available at time of printing**

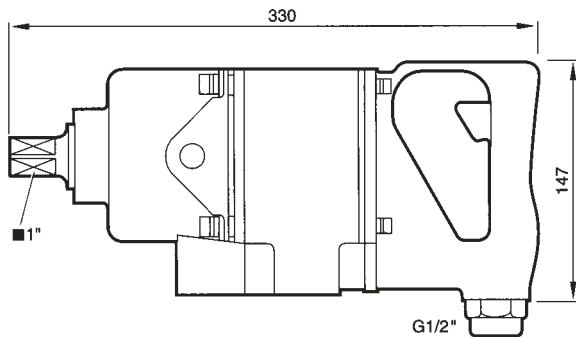
Noise in Db at No-Load Rpm:  
**97 Db**

0 607 450 616

**Dimensions not available at time of printing**

Noise in Db at No-Load Rpm:  
**97 Db**

0 607 450 605



Noise in Db at No-Load Rpm:  
**99 Db**

# Dimensions for Straight & Vertical Grinders



\*Asterisk indicates alternate dimensions for corresponding tool part numbers

| Tool part number                | All tool dimensions are in mm | Straight Grinders   |
|---------------------------------|-------------------------------|---|
| 0 607 250 201                   |                               | <p>Noise in Db at No-Load Rpm:<br/><b>77 Db</b></p>                 |
| 0 607 250 202                   |                               | <p>Noise in Db at No-Load Rpm:<br/><b>74 Db</b></p>                 |
| 0 607 250 203                   |                               | <p>Noise in Db at No-Load Rpm:<br/><b>77 Db</b></p>                 |
| 0 607 254 100<br>0 607 254 105* |                               | <p>Noise in Db at No-Load Rpm:<br/><b>73 Db</b><br/>67 Db*</p>      |
| 0 607 254 101                   |                               | <p>Noise in Db at No-Load Rpm:<br/><b>70 Db</b></p>                 |
| 0 607 253 100<br>0 607 253 101  |                               | <p>Noise in Db at No-Load Rpm:<br/><b>68 Db</b><br/>71 Db (101)</p> |

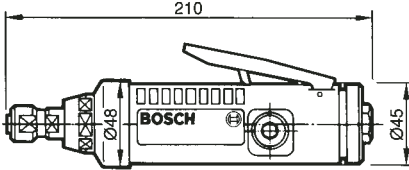
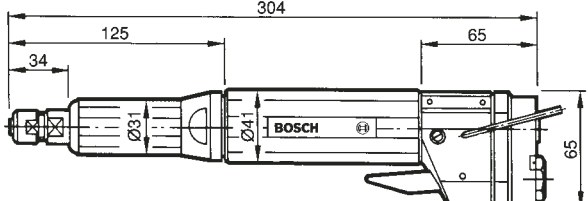
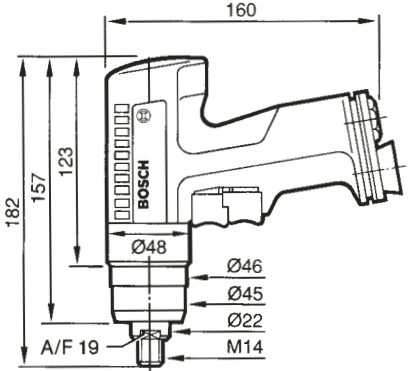
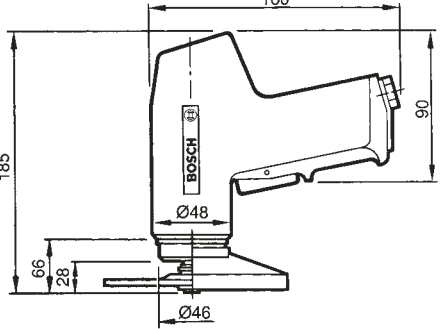
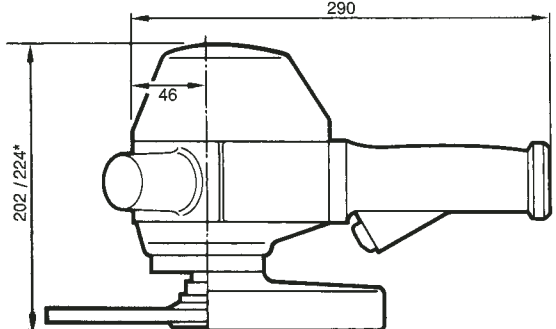


## Straight & Vertical (Pot) Grinders

\*Asterisk indicates alternate dimensions for corresponding tool part numbers

Tool part number

All tool dimensions are in mm

|   |  |   |
|---|--|---|
| <p>0 607 261 101</p> <p>0 607 261 102</p>   |    | <p>Noise in Db at No-Load Rpm:<br/><b>72 Db</b></p> |
| <p>0 607 251 102</p>  |    | <p>Noise in Db at No-Load Rpm:<br/><b>71 Db</b></p> |
| <p>0 607 361 100</p>  |   | <p>Noise in Db at No-Load Rpm:<br/><b>78 Db</b></p> |
| <p>0 607 352 100</p>  |  | <p>Noise in Db at No-Load Rpm:<br/><b>78 Db</b></p> |
| <p>0 607 355 100</p> <p>0 607 355 101</p> <p>0 607 356 100*</p> <p>0 607 356 101*</p> |  | <p>Noise in Db at No-Load Rpm:<br/><b>90 Db</b></p> |

# Dimensions for Drills



## Straight & T-Handle Drills

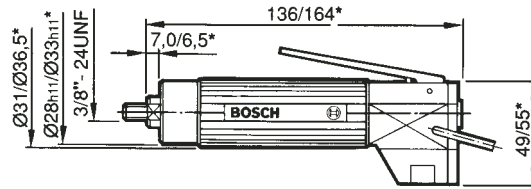
\*Asterisk indicates alternate dimensions for corresponding tool part numbers

Tool part number

All tool dimensions are in mm

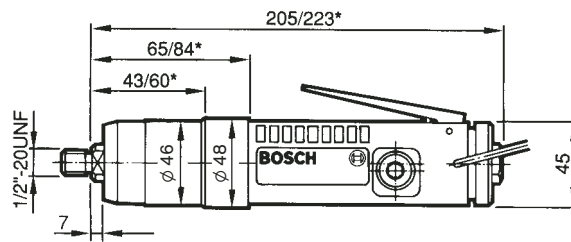


- 0 607 154 101
- 0 607 153 100\*
- 0 607 153 103\*
- 0 607 153 106\*



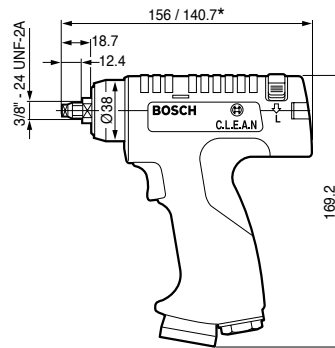
Noise in Db at No-Load Rpm:  
**71 Db**  
67 Db\*

- 0 607 161 100
- 0 607 161 101\*
- 0 607 161 102
- 0 607 161 103\*



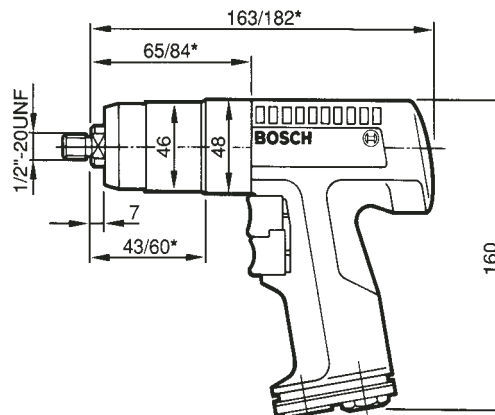
Noise in Db at No-Load Rpm:  
**75 Db**

- 0 607 153 520
- 0 607 153 521
- 0 607 153 522\*
- 0 607 153 523
- 0 607 153 524
- 0 607 153 525\*



Noise in Db at No-Load Rpm:  
**76 Db**

- 0 607 161 500
- 0 607 161 501
- 0 607 161 502\*
- 0 607 161 503\*
- 0 607 161 504
- 0 607 161 505
- 0 607 161 506\*
- 0 607 161 507\*



Noise in Db at No-Load Rpm:  
**76 Db**  
75 Db\*

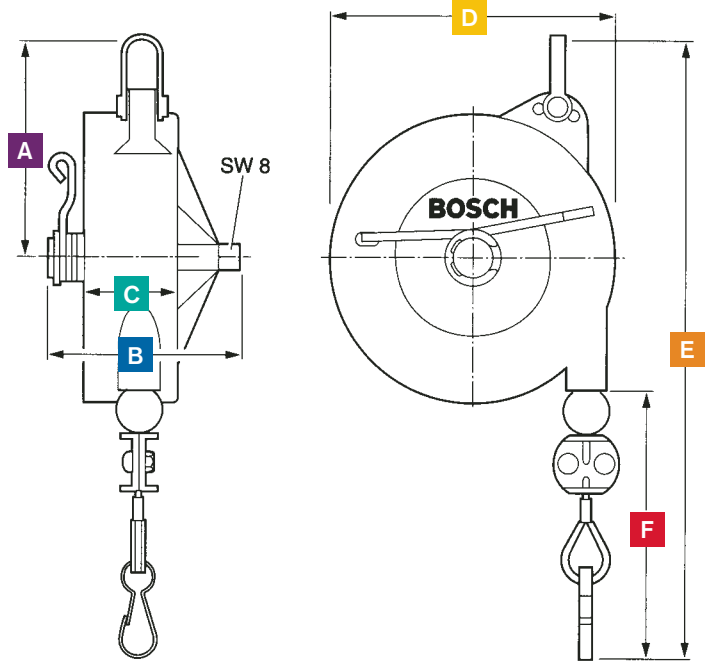
# Dimensions for Cable and Hose Spring Balancers



All tool dimensions are in mm

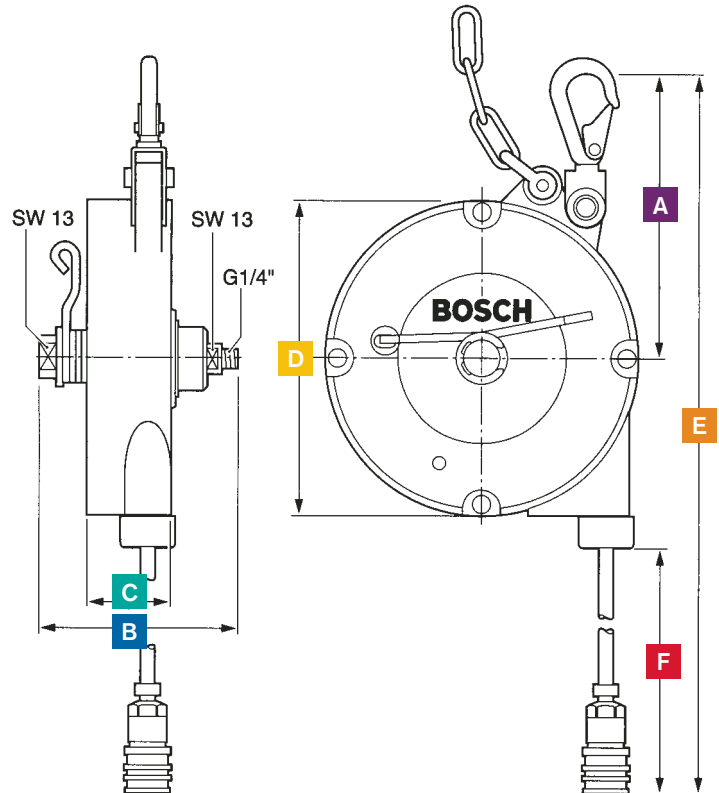
## Cable Balancers

| Tool part number | Hanger/maximum chain length to center | Total width | Housing width | Housing diameter | Total height | Cable/hose drop (mm/inches) |
|------------------|---------------------------------------|-------------|---------------|------------------|--------------|-----------------------------|
|                  | A                                     | B           | C             | D                | E            | F                           |
| 0 607 950 920    | 70                                    | 67          | 33            | 100              | 215          | 1200/47                     |
| 0 607 950 921    | 960                                   | 58.5        | 37            | 120              | 310          | 2000/79                     |
| 0 607 950 922    | 960                                   | 58.5        | 37            | 120              | 310          | 2000/79                     |
| 0 607 950 923    | 960                                   | 58.5        | 37            | 120              | 310          | 2000/79                     |
| 0 607 950 931    | 960                                   | 63.5        | 42            | 120              | 310          | 2000/79                     |
| 0 607 950 937    | 960                                   | 63.5        | 42            | 120              | 310          | 2000/79                     |
| 0 607 950 924    | 168                                   | 77          | 48            | 175              | 440          | 2000/79                     |
| 0 607 950 925    | 168                                   | 77          | 48            | 175              | 440          | 2000/79                     |
| 0 607 950 926    | 168                                   | 77          | 48            | 175              | 440          | 2000/79                     |
| 0 607 950 927    | 188                                   | 130         | 130           | 180              | 400          | 2000/79                     |
| 0 607 950 928    | 188                                   | 130         | 130           | 180              | 400          | 2000/79                     |



## Hose Balancers


|               | A   | B  | C   | D   | E   | F      |
|---------------|-----|----|-----|-----|-----|--------|
| 0 607 950 938 | 140 | 81 | 141 | 440 | 800 | 800/31 |
| 0 607 950 939 | 140 | 81 | 141 | 440 | 800 | 800/31 |
| 0 607 950 940 | 140 | 81 | 141 | 440 | 800 | 800/31 |





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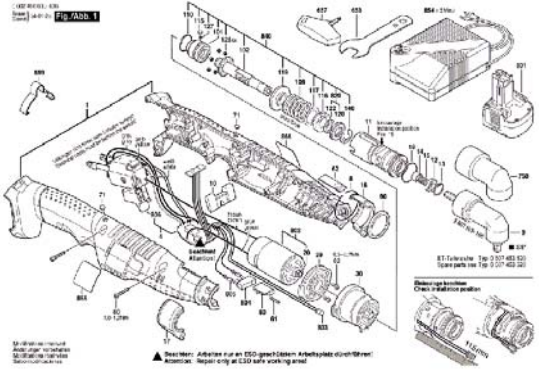
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- 0 602 490 636 / 9,6 / —
- 0 602 490 650 / 9,6 / —

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