IRWIN®

## THE HISTORY OF IRWIN TOOLS

IRWIN® Tools has a long and storied history, stretching for more than a century and set against the backdrop of a young, ambitious nation, In 1885, Charles Irwin patented the auger bit and, along with four business partners, formed the IRWIN Auger Bit Company. In 1924, William Petersen, a Danish immigrant, invented and patented VISE-GRIP® locking pliers. Through innovation and a series of acquisitions, these two companies have now become IRWIN Tools.

IRWIN Tools manufactures and distributes a broad line of professional-grade hand tools and power tool accessories worldwide for trade professionals who demand superior performance and durability on the job. The IRWIN Tools brand portfolio features user-preferred category leaders such as VISE-GRIP® locking tools, RECORD® working holding tools, JORAN® masonry drilling bits, MARATHON® circular saw blades, QUICK-GRIP® clamping tools, SPEEDBOR® wood drilling bits, STRAIT-LINE® marking tools, UNIBIT® step drill bits, Marples® fine woodworking tools and HANSON® taps and dies.

## NEW PRODUCTS

At IRWIN Tools, our end-user obsession, combined with world-class product development, enables us to produce professional-grade hand tools and power tool accessories that provide superior performance and durability on the job.

By incorporating end-user feedback with advanced engineering, we deliver innovative products that continue to surpass industry standards.

IRWIN® VISE-GRIP®

New

### Professional Hex Keys

**Made by Specialty "Max Torque" Steel**

IRWIN®

New

### Professional Measuring Tapes

**High Durability with Magnetic Hook**

## INNOVATION MILESTONES

# IRWIN Today

**IRWIN VISE-GRIP**

**Locking Pliers**

**IRWIN**

**Bi-Metal Utility Blades**

**IRWIN GILBOW**

**Snips**

**IRWIN**

**HSS Pro Metal Drill bits**

**IRWIN Marples**

**Chisels**

**IRWIN joran**

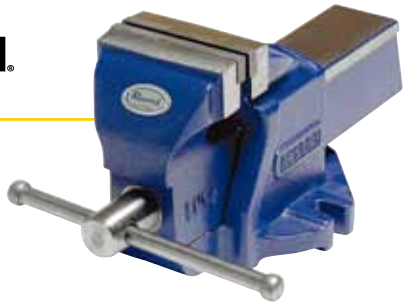
**Masonry Drill bits**

**IRWIN JACK**

**Handsaws**

**IRWIN Record**

**Vices**



**1986**
QUICK-GRIP
One-Handed Bar Clamp invented by Joe Sorenson

**1989**
MARATHON
Thin Curf Saw Blade

**2003**
UNIBIT
Self-Starting Speedpoint Tip

**2005**
VISE-GRIP
GrooveLock Pliers

**2006**
SPEEDBOR
Max Speed Bit with Tri-Flute Design and Screw Tip

**2007**
MARATHON
WeldTec Saw Blades with Welded Carbide Teeth

**2008**
UNIBIT
Cobalt Step Drill Bit

STRAIT-LINE
Mach6 Chalk Reel

**2009**
HANSON
Self-Aligning Taps & Dies

IRWIN®

## Product Category


- Locking Pliers, Water Pump Pliers & Pliers 1
- Hex Keys 11
- Pipe Tools 15
- Utility Knives & Blades 19
- Metal Cutting 24
- Workholding 29
- Wood Clamping 35
- Measuring Tools 42
- Layout Tools 46
- Handsaws 48
- Chisels 53
- Wood planes & Woodworking 57
- Tool Storage & Workwear 60
- Masonry Drilling 63
- Metal Drilling 70
- Wood Drilling 79
- Diamond Discs 84
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IRWIN

The Original
SINCE 1924™

## The Choice of Professional Tradesmen Since 1924

The IRWIN® VISE-GRIP® brand is legendary. Professional tradesmen have trusted the strength and durability of VISE-GRIP pliers since 1924. With proven performance in every turn, these are the tools that tradesmen choose first – and pass on to the next generation.

In addition to locking tools and tongue and groove pliers, VISE-GRIP offers a full line of pliers and wrenches, including traditional pliers, pipe wrenches, and specialty tools – all backed by the IRWIN VISE-GRIP Lifetime Guarantee.

IRWIN VISE-GRIP pliers and wrenches continue to set the standard for dependability, quality, and innovation... today and tomorrow. Wherever there's a need for a quality tool, IRWIN VISE-GRIP is on the job.

## CURVED JAW LOCKING PLIERS FEATURES

1.Patented curved jaw (CR) design is perfect
for securely gripping and torquing multiple
surface shapes, such as round pipe, square or hex bolts, and more; ideal
for any application that requires maximum torque.

2. Self-energizing lower jaw allows jaw to align on workpiece for maximum grip without slipping or stripping; provides maximum torque or grip without requiring heavy input pressure; jaw mechanism grips tighter as more torque is applied to the tool.

3. Fast Release™ handle for one-handed, triggerless release with no pinch points.

4.ProTouch™ grips have molded handles for comfort, control, and less hand fatigue.

5. Hex key adjusting screw offers controlled release, and draws materials tightly together.

Fast Release™

ProTouch™ GRIPS

3X MORE GRIPPING POWER*

2X LONGER LIFE*

IRWIN LIFETIME GUARANTEE™

*vs. traditional locking pliers

Curved Jaw

Straight Jaw

Long Nose

C-Clamps

## Fast Release™ Curved Jaw Locking Pliers

| Item No. | Model | Size | Jaw Thickness (mm) | Jaw Capacity (mm) | |
|---|---|---|---|---|---|
| 4935581 | 5CR | 5"/125mm | 6.4 | 28.6 | 5 |
| 13T | 7CR | 7"/175mm | 8 | 38.1 | 5 |
| 11T | 10CR | 10"/250mm | 9.5 | 47.6 | 5 |

*5"/125mm Pliers do not include ProTouch™soft grip

## Fast Release™ Curved Jaw Locking Pliers with Wire Cutter

- Wire Cutter will handle up to 6.5mm bolt

| Item No. | Model | Size | Jaw Thickness(mm) | Jaw Capacity (mm) | Cutting Capacity (mm) | |
|---|---|---|---|---|---|---|
| 09T | 5WR | 5"/125mm | 6.4 | 28.6 | 1.22 | 5 |
| 07T | 7WR | 7"/175mm | 8 | 38.1 | 2.31 | 5 |
| 05T | 10WR | 10"/250mm | 9.5 | 47.6 | 6.5 | 5 |

*5"/125mm Pliers do not include ProTouch™soft grip

## Fast Release™ Straght Jaw Locking Pliers

- Straight jaws provide maximum contact on flat, square or hex work

| Item No. | Model | Size | Jaw Thickness (mm) | Jaw Capacity (mm) | |
|---|---|---|---|---|---|
| 03T | 7R | 7"/175mm | 4.1 | 38.1 | 5 |
| 01T | 10R | 10"/250mm | 15.9 | 47.6 | 5 |

## Fast Release™ Long Nose Locking Pliers with Wire Cutter

- Long Straight nose provides easy access in narrow, hard-to-reach place

| Item No. | Model | Size | Jaw Thickness (mm) | Jaw Capacity (mm) | Cutting Capacity (mm) | |
|---|---|---|---|---|---|---|
| 14T | 6LN | 6"/150mm | 3.2 | 50.8 | 1.22 | 5 |
| 15T | 9LN | 9"/225mm | 3.2 | 69.9 | 2.31 | 5 |

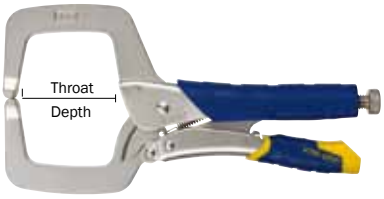
*5"/125mm Pliers do not include ProTouch™soft grip

## Fast Release™ Long Nose Locking Pliers with Wire Cutter

- Wide opening jaws provide greater versatility for clamping a variety of shapes

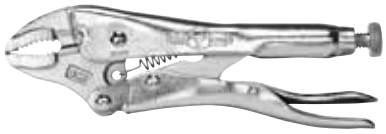
| Item No. | Model | Size | Jaw Capacity (mm) | Throat Depth (mm) | |
|---|---|---|---|---|---|
| 17T | 6R | 6"/150mm | 54.0 | 35 | 5 |
| 19T | 11R | 11"/275mm | 101.6 | 63 | 5 |

*5"/125mm Pliers do not include ProTouch™soft grip



## Curved Jaw Locking Pliers

| Item No. | Model | Size | Jaw Thickness (mm) | Jaw Capacity (mm) | |
|---|---|---|---|---|---|
| 10508019 | 5CR | 5"/125mm | 6.4 | 28.6 | 5 |
| 10508018 | 7CR | 7"/175mm | 8 | 38.1 | 5 |
| 10508017 | 10CR | 10"/250mm | 9.5 | 47.6 | 5 |



## Curved Jaw Locking Pliers with Wire Cutter

- Wire cutter will handle up to 6.5mm bolt

| Item No. | Model | Size | Jaw Thickness (mm) | Jaw Capacity (mm) | Cutting Capacity (mm) | |
|---|---|---|---|---|---|---|
| 1002EL4 | 4WR | 4"/100mm | 6.4 | 25.4 | 1.22 | 5 |
| 0902EL4 | 5WR | 5"/125mm | 6.4 | 28.6 | 1.2 | 5 |
| 0702EL4 | 7WR | 7"/175mm | 8 | 38.1 | 2.31 | 5 |
| 0502EL4 | 10WR | 10"/250mm | 9.5 | 47.6 | 6.5 | 5 |

## Straight Jaw Locking Pliers

- Straight jaws provide maximum contact on flat, square or hex work
- Can also be used as a portable vice

| Item No. | Model | Size | Jaw Thickness (mm) | Jaw Capacity (mm) | |
|---|---|---|---|---|---|
| 0302EL4 | 7R | 7"/175mm | 4.1 | 38.1 | 5 |
| 0102EL4 | 10R | 10"/250mm | 15.9 | 47.6 | 5 |

## Straight Jaw Locking Pliers

- Long straight nose provides easy access to narrow, hard-to-reach places
- Ideal for precision work and hobbies

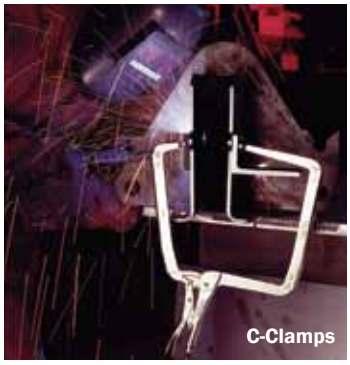
| Item No. | Model | Size | Jaw Thickness (mm) | Jaw Capacity (mm) | Cutting Capacity (mm) | |
|---|---|---|---|---|---|---|
| 1602EL4 | 4LN | 4"/100mm | 3.2 | 41.3 | 1.22 | 5 |
| 1402EL4 | 6LN | 6"/150mm | 3.2 | 50.8 | 2.81 | 5 |
| 1502EL4 | 9LN | 9"/225mm | 4.8 | 69.9 | 6.5 | 5 |

## Locking C-Clamps with Regular Tips

- Wide opening jaws provide greater versatility - can clamp wide variety of shapes

| Item No. | Model | Size | Jaw Capacity (mm) | Throat Depth (mm) | |
|---|---|---|---|---|---|
| 17EL4 | 6R | 6"/150mm | 54.0 | 35 | 5 |
| 19EL4 | 11R | 11"/275mm | 101.6 | 63 | 5 |
| 18R | 18R | 18"/455mm | 203.2 | 241 | 5 |
| 24R | 24R | 24"/605mm | 254 | 393 | 5 |

**Hex key adjusting screw offers controlled release, and draws materials tightly together.**


C-Clamps

C-Clamps with Swivel Pads

Locking Wrench

Locking Sheet Metal Tool

## Locking C-Clamps with Swivel Pads

- Swivel pads hold tapered work, awkward fabricating jobs, and delicate projects without damaging the work surface

| Item No. | Model | Size | Jaw Capacity (mm) | Throat Depth (mm) | |
|---|---|---|---|---|---|
| 165EL4 | 4SP | 4"/100mm | 41.3 | 25 | 5 |
| 18EL4 | 6SP | 6"/150mm | 54.0 | 31 | 5 |
| 9SP | 9SP | 9"/225mm | 114.3 | 120 | 5 |
| 20EL4 | 11SP | 11"/275mm | 85.0 | 63 | 5 |
| 18SP | 18SP | 18"/455mm | 203.2 | 241 | 5 |
| 24SP | 24SP | 24"/605mm | 254 | 393 | 5 |

## Locking C-Clamps(Large Throat)

- Ideal for welding and automotive applications

| Item No. | Model | Size | Jaw Capacity (mm) | Throat Depth (mm) | |
|---|---|---|---|---|---|
| 18DR | 18DR | 18"/455mm | 190.5 | 240 | 5 |

## Locking Wrenches with Wire Cutter

- Heavy duty jaws lock onto three sides of a hex fasterner, and won't slip or mark
- Designed to replace up to wrench sizes

| Item No. | Model | Size | Jaw Capacity (mm) | Cutting Capacity (mm) | |
|---|---|---|---|---|---|
| 4LW | 4LW | 4"/100mm | 6.4-14.3 | 1.22 | 5 |
| 7LW | 7LW | 7"/175mm | 11.1-19.1 | 2.31 | 5 |
| 10LW | 10LW | 10"/250mm | 15.9-28.6 | 6.5 | 5 |

## Locking Panel Clamp

- Provides quick clamping and alignment of auto body panels - bottom jaw slides in a straight motion
- Easy release trigger

| Item No. | Model | Size | Jaw Capacity (mm) | |
|---|---|---|---|---|
| 251EL4 | 9AC | 9"/225mm | 14.3 | 1 |

## Locking Sheet Metal Tool

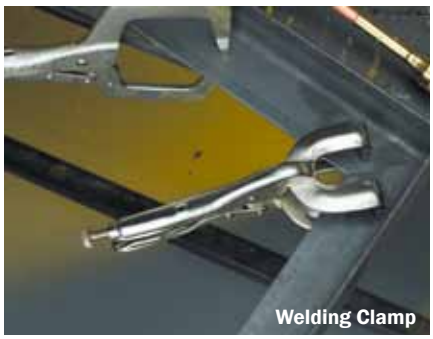
- Locks to work with powerful grip
- Makes bread pan corners and can crimp and double crimp
- Excellent for upholstery work, bending, forming & crimping sheet metal

| Item No. | Model | Size | Jaw Capacity (mm) | |
|---|---|---|---|---|
| 23EL4 | 8R | 8"/200mm | 44.5 | 1 |

Large Jaw

Pinch-Off Tool

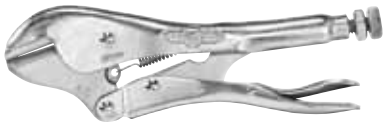
Chain Clamp


Welding Clamp

## Large Jaw Locking Pliers

- Heavy-duty jaw grips around work of all shapes
- Useful for plumbers, mechanics, welders and anyone who works with large objects

| Item No. | Model | Size | Jaw Capacity (mm) | Throat Depth (mm) | |
|---|---|---|---|---|---|
| 12EL4 | 12LC | 12"/300mm | 79.4 | 80 | 5 |



## Locking Pinch-Off Tool

- Pinches off and locks on tubing instantly - ideal for emergencies
- Easy-release trigger
- Ideal for refrigeration industry

| Item No. | Model | Size | Jaw Capacity (mm) | Cutting Capacity (mm) | |
|---|---|---|---|---|---|
| 29EL4 | RR | 7"/175mm | 6.4 | 1.22 | 5 |

## Locking Chain Clamp

- Holds and locks around any shape or size
- Adjusts quickly for ratchet action in either direction

| Item No. | Model | Size | Description | |
|---|---|---|---|---|
| 27EL4 | 20R | 9"/225mm | Clamp with 455mm Chain | 5 |
| 40EXT | 20EXT | 18"/455mm | Extension Chain - 455mm | 1 |
| 40REP | 20REP | 18"/455mm | Replacement Chain | 1 |

## Locking Welding Clamp

- Holds work in proper alignment - even when material is not identical in thickness
- Positive lock leaves hands free
- Deep-throat U-Shaped jaws for visibility and working space

| Item No. | Model | Size | Jaw Thickness (mm) | |
|---|---|---|---|---|
| 25EL4 | 9R | 9"/225mm | 44.5 | 1 |

## 3pc 'The Original' Locking Pliers Set

| Item No. | Description | |
|---|---|---|
| TVG73 | 3pc 'The Original' Pliers Set (10WR, 6LN, 5WR) | 1 |

VISE-GRIP®

GrooveLock Pliers

2X FASTER*
QUICK -ADJUSTING LOWER JAW

ProTouch™ GRIPS

GROOVELOCK PLIERS
## FEATURES

1. Press-n-slide button adjusts jaws 2X faster than traditional groove joint pliers.

2. Multi-groove ratcheting system has twice the groove positions than other groove joint pliers, for precise positioning on any type of work surfaces.

3.Anti-pinch, non-slip ProTouch™ Grips provide comfort, control, and less hand fatigue.

4. All-Purpose Jaw grips onto flat, round, hex and square work pieces to provide tremendous bit

V-Jaw

IRWIN LIFETIME GUARANTEE™

Anti-Pinch Design

## GrooveLock Water Pump Pliers with ProTouch™ Grip

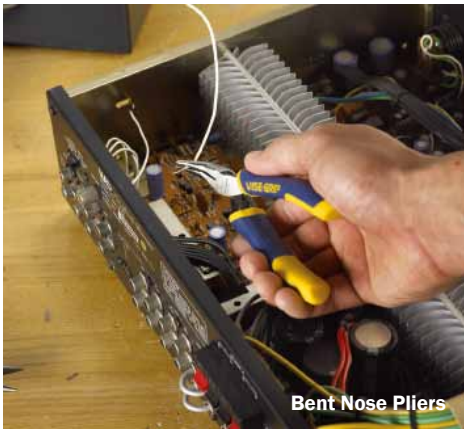
| Item No. | Jaw Type | Size | Jaw Capacity (mm) | |
|---|---|---|---|---|
| 10507627 | V Jaw | 8"/200mm | 44.5 | 5 |
| 10507628 | V Jaw | 10"/250mm | 57 | 5 |
| 10507629 | V Jaw | 12"/300mm | 70 | 5 |

## Groove Joint Pliers with ProTouch™ Grip

| Item No. | Jaw Type | Size | Jaw Capacity (mm) | |
|---|---|---|---|---|
| 10505498 | General Jaw | 8"/200mm | 38 | 5 |
| 10505500 | General Jaw | 10"/250mm | 51 | 5 |
| 10505502 | General Jaw | 12"/300mm | 57 | 5 |

Combination Pliers

Diagonal Cutting Pliers


Bent Nose Pliers

## Combination Pliers

- Induction hardened cutting edge stays sharper longer
- ProTouch™ grips provide extra comfort for reduced hand fatigue

| Item No. | Size | Jaw Length (mm) | Jaw Width (mm) | Jaw Thickness (mm) | |
|---|---|---|---|---|---|
| 10505875 | 6"/150mm | 35 | 32 | 6.35 | 5 |
| 10505877 | 7"/170mm | 38 | 32 | 7.2 | 5 |
| 10505876 | 8"/200mm | 44.5 | 32 | 8 | 5 |

## Long Nose Pliers

- Induction hardened cutting edge stays shaper longer
- Machined jaws for maximum gripping strength
- ProTouch™ grips provide extra comfort for reduced hand fatigue

| Item No. | Size | Jaw Length (mm) | Jaw Width (mm) | Jaw Thickness (mm) | |
|---|---|---|---|---|---|
| 10505503 | 6"/150mm | 48 | 19 | 11 | 5 |
| 10505504 | 8"/200mm | 62 | 24 | 12 | 5 |

## Bent Nose Pliers

- Thin profile nose gets into tight spaces, easy to reach around obstructions
- Induction hardened cutting edge stays sharper longer
- ProTouch™ grips provide extra comfort for reduced hand fatigue

| Item No. | Size | Jaw Length (mm) | Jaw Width (mm) | Jaw Thickness (mm) | |
|---|---|---|---|---|---|
| 10505505 | 6"/150mm | 40 | 19 | 11 | 5 |
| 10505506 | 8"/200mm | 50 | 24 | 12 | 5 |

## Diagonal Cutting Pliers

- Induction hardened cutting edge stays sharper longer
- ProTouch™ grips provide extra comfort for reduced hand fatigue

| Item No. | Size | Jaw Length (mm) | Jaw Width (mm) | Jaw Thickness (mm) | |
|---|---|---|---|---|---|
| 10505493 | 6"/150mm | 20.6 | 20.6 | 10.3 | 5 |
| 10505494 | 7"/175mm | 20.6 | 29 | 11.1 | 5 |
| 10505495 | 8"/200mm | 22 | 29 | 12.7 | 5 |

- Products are TÜV/GS certified for optimal safety and user confidence

End Cutting Pliers

Cable Cutting Pliers

Adjustable Wrench

## End Cutting Pliers

- Wide throat clearance allows semi-flush cutting of nails and rivets
- Induction hardened cutting edge stays sharper longer
- ProTouch™ grips provide extra comfort for reduced hand fatigue

| Item No. | Size | Jaw Length (mm) | Jaw Width (mm) | Jaw Thickness (mm) | |
|---|---|---|---|---|---|
| 10505517 | 8"/200mm | 12.7 | 42 | 28.5 | 5 |

## Cable Cutting Pliers

- Cuts up to 3/0 AWG fine stranded copper battery cable
- Induction hardened cutting edge stays sharper longer
- ProTouch™ grips provide extra comfort for reduced hand fatigue

| Item No. | Size | Jaw Length (mm) | Jaw Width (mm) | Jaw Thickness (mm) | |
|---|---|---|---|---|---|
| 10505518 | 8"/200mm | 20.6 | 32 | 15 | 5 |

## Adjustable Wrenches

- Imperial and metric scales

| Item No. | Size | Jaw Capacity (mm) | Jaw Width (mm) | Jaw Thickness (mm) | |
|---|---|---|---|---|---|
| 10505486 | 6"/150mm | 25 | 21.4 | 6.35 | 5 |
| 10505488 | 8"/200mm | 28 | 25.4 | 8 | 5 |
| 10505490 | 10"/250mm | 31 | 32 | 9.5 | 5 |
| 10505492 | 12"/300mm | 38 | 35.7 | 11.1 | 5 |

## Pro Pliers Set

| Item No. | Pliers in set | |
|---|---|---|
| 10505483 | 6" Diagonal Cutting Plier/8" Long Nose Plier/7" Combination Plier | 5 |

- Products are TÜV/GS certified for optimal safety and user confidence

## VDE Pliers

**IRWIN VISE-GRIP® VDE Pliers are fully TÜV, GS and VDE certified, meaning they are guaranteed safe for working with live electrical equipment up to AC 1000V or DV 1500V.**

**Induction hardened cutting edge stay sharp longer. Machined jaws for maximum gripping strength. ProTouch™ grips provide extra comfort for less hand fatigue.**

## VDE Combination Pliers

- Strong gripping teeth
- Induction hardened cutting edge stays sharper longer
- Slim profile nose

| Item No. | Size | Jaw Length (mm) | Jaw Width (mm) | Jaw Thickness (mm) | |
|---|---|---|---|---|---|
| 10505872 | 6"/150mm | 35 | 25.4 | 9.5 | 5 |
| 10505873 | 7"/170mm | 38 | 28.5 | 11.1 | 5 |
| 10505874 | 8"/200mm | 44.5 | 28.5 | 11.1 | 5 |

## VDE Long Nose Pliers

- Induction hardened cutting edge stays sharper longer
- Slim profile nose

| Item No. | Size | Jaw Length (mm) | Jaw Width (mm) | Jaw Thickness (mm) | |
|---|---|---|---|---|---|
| 10505868 | 6"/150mm | 54 | 17.5 | 8.7 | 5 |
| 10505869 | 8"/200mm | 76.2 | 20.6 | 9.5 | 5 |

## VDE Bent Nose Pliers

- Strong gripping teeth
- Induction hardened cutting edge stays sharper longer
- Slim profile nose to reach tight spaces and around obstructions

| Item No. | Size | Jaw Length (mm) | Jaw Width (mm) | Jaw Thickness (mm) | |
|---|---|---|---|---|---|
| 10505870 | 8"/200mm | 70 | 20.6 | 9.5 | 5 |

## VDE Diagonal Cutting Pliers

- Induction hardened cutting edge stays sharper longer

| Item No. | Size | Jaw Length (mm) | Jaw Width (mm) | Jaw Thickness (mm) | |
|---|---|---|---|---|---|
| 10505865 | 6"/150mm | 22 | 22.2 | 9.5 | 5 |
| 10505866 | 7"/170mm | 20.6 | 28.5 | 11.1 | 5 |
| 10505867 | 8"/200mm | 22 | 28.5 | 12.7 | 5 |

## VDE Wire Strippers

- Large handle shoulders prevent contact with the non-insulated area of the pliers

| Item No. | Size | Jaw Length (mm) | Jaw Width (mm) | Jaw Thickness (mm) | |
|---|---|---|---|---|---|
| 10505871 | 6"/150mm | 9.5 | 22.2 | 9.5 | 5 |

- Products are TÜV/GS certified for optimal safety and user confidence

IRWIN
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IRWIN
IRWIN

# IRWIN HEX KEY SETS

**Manufactured from high-strength and durable chrome vanadium steel. IRWIN Hex and Torx Keys have a black oxide surface and are specially ground for a better grip. Sizes are permanently stamped on the body for easy and quick identification.**

9097000
Short Hex Key Set (MM) – 10pc

9097001
Long Hex Key Set (MM) – 10pc

9097005
Ball-Ended Hex Key Set (MM) – 10pc

9097002
Short Hex Key Set (IMPERIAL) – 13pc

9097003
Long Hex Key Set (IMPERIAL) – 13pc

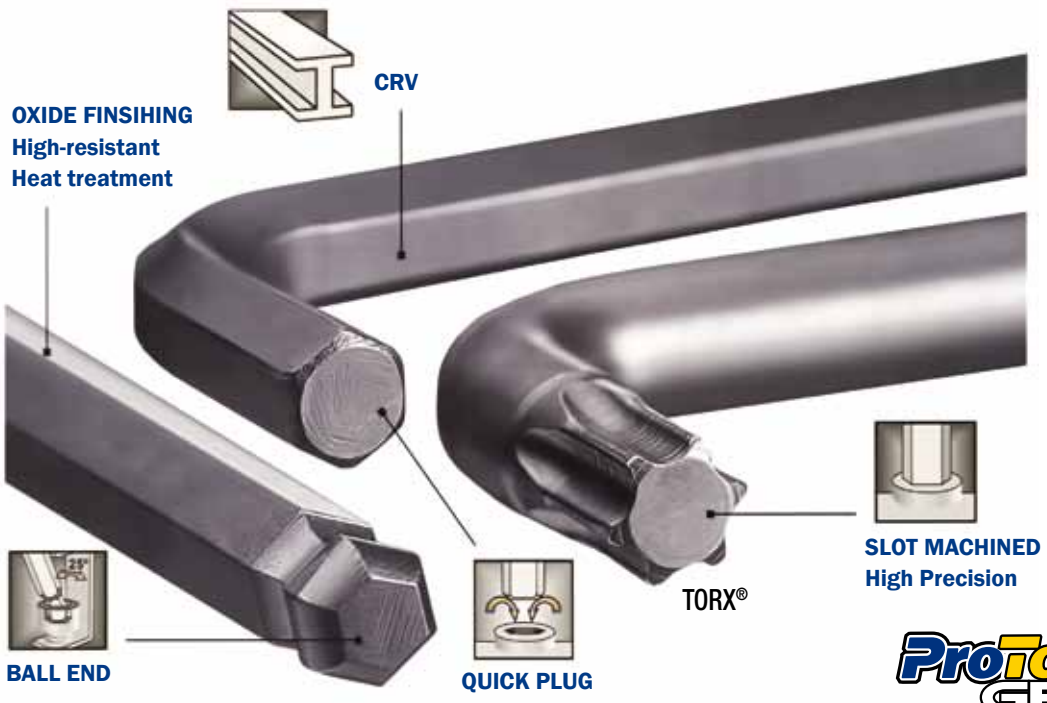
9097004
Ball-Ended Hex Key Set (IMPERIAL) – 13pc

9097006
Short Hex Key Set (TORX) – 11pc

| Item No. | End Type | Sizes | |
|---|---|---|---|
| 9097000 | HEX | 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0mm | 6 |
| 9097001 | HEX | 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0mm | 6 |
| 9097005 | Ball Point | 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0mm | 6 |
| 9097002 | HEX | 0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8" | 6 |
| 9097003 | HEX | 0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8" | 6 |
| 9097004 | Ball Point | 0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8" | 6 |
| 9097006 | TORX | T06, T07, T08, T09, T10, T15, T20, T25, T27, T30, T40 | 6 |

# IRWIN T-HANDLE HEX KEY SETS

**Manufactured from high-strength and durable chrome vanadium steel. Ergonomic design to ease gripping and handling, improving the torque performance. Routered tip finish for better gripping and holding of screws. Special surface treatment to prevent oxidisation and corrosion.**




ProTouch GRIPS™

9097009
T-Handle Hex Key Set (MM)
– 8pc

9097008
T-Handle Hex Key Set (IMPERIAL) –
8pc

9097007
Hex Key Fold-up Set (MM)
– 7pc

| Item No. | End Type | Sizes | |
|---|---|---|---|
| 9097009 | HEX | 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0mm | 3 |
| 9097008 | HEX | 3/32", 1/8", 9/64", 5/32", 3/16", 1/4", 5/16", 3/8" | 3 |
| 9097007 | HEX | 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0mm | 6 |

## Professional Hex Key – Specialty "Max Torque" Steel

| Item No. | Size (mm) | A Length (mm) | B Length (mm) | |
|---|---|---|---|---|
| H909708310C | 1.5 | 90 | 14 | 10pcs/Bag |
| H909708410C | 2.0 | 100 | 16 | 10pcs/Bag |
| H909708510C | 2.5 | 112 | 17 | 10pcs/Bag |
| H909708610C | 3.0 | 126 | 19 | 10pcs/Bag |
| H909708810C | 4.0 | 142 | 22 | 10pcs/Bag |
| H909708910C | 4.5 | 151 | 25 | 10pcs/Bag |
| H909709010C | 5.0 | 160 | 27 | 10pcs/Bag |
| H909709210C | 6.0 | 172 | 31 | 10pcs/Bag |
| H909709310C | 7.0 | 184 | 33 | 10pcs/Bag |
| H909709410C | 8.0 | 195 | 35 | 10pcs/Bag |
| H909709610C | 10.0 | 213 | 39 | 10pcs/Bag |

## Professional Hex Key (Ball Point) – Specialty "Max Torque" Steel

| Item No. | Size (mm) | A Length (mm) | B Length (mm) | |
|---|---|---|---|---|
| H909706110C | 1.5 | 90 | 14 | 10pcs/Bag |
| H909706210C | 2.0 | 100 | 16 | 10pcs/Bag |
| H909706310C | 2.5 | 112 | 17 | 10pcs/Bag |
| H909706410C | 3.0 | 126 | 19 | 10pcs/Bag |
| H909706610C | 4.0 | 142 | 22 | 10pcs/Bag |
| H909706710C | 4.5 | 151 | 25 | 10pcs/Bag |
| H909706810C | 5.0 | 160 | 27 | 10pcs/Bag |
| H909707010C | 6.0 | 172 | 31 | 10pcs/Bag |
| H909707110C | 7.0 | 184 | 33 | 10pcs/Bag |
| H909707210C | 8.0 | 195 | 35 | 10pcs/Bag |
| H909707310C | 9.0 | 202 | 37 | 10pcs/Bag |
| H909707410C | 10.0 | 213 | 39 | 10pcs/Bag |

## Professional Hex Key Sets– Specialty "Max Torque" Steel

| Item No. | Set | Measurement | Type | Length | Sizes | |
|---|---|---|---|---|---|---|
| 9097077 | 7PC | Metric | Ball Point | Extra Long | 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0mm | 100 |
| 9097099 | 7PC | Metric | HEX | Extra Long | 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0mm | 100 |
| 9097080 | 9PC | Metric | Ball Point | Extra Long | 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0mm | 50 |
| 9097102 | 9PC | Metric | HEX | Extra Long | 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0mm | 50 |
| 9097078 | 15PC | Metric | Ball Point | Extra Long | 1.27, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 7.0, 8.0, 9.0, 10.0mm | 20 |
| 9097100 | 15PC | Metric | HEX | Extra Long | 1.27, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 7.0, 8.0, 9.0, 10.0mm | 20 |
| 9097097 | 10PC | Imperial | HEX | Long | 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4" | 50 |
| 9097076 | 13PC | Imperial | Ball Point | Long | 0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8" | 50 |
| 9097098 | 13PC | Imperial | HEX | Long | 0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8" | 50 |

## QUICK ADJUSTING PIPE WRENCH
# FEATURES

### Forged Hook Jaw

With 2-1/4" jaw capacity equivalent to standard 14" pipe wrench; ideal for pipe diameters up to 1-1/2"; ideal for most surfaces including black, galvanized, PVC and copper pipe, as well as nuts, bolts and couplings; broached teeth

### Quick Adjusting Jaw

With one-handed operation, ratchets quickly to work the surface

### Cast Aluminium Construction

For 40% less weight than standard 14" cast iron pipe wrench; ergonomic handles are ideal for heavy torque and maximum comfort

3X FASTER*

IRWIN LIFETIME GUARANTEE™

| Item No. | Size | Jaw Capacity (mm) | Pipe Capacity (mm) | |
|---|---|---|---|---|
| 10503642 | 14"/350mm | 3 - 58 | 38 | 5 |

IRWIN
Record

## Stillson Pipe Wrenches

- Drop forged handle and jaw
- Cast SG ductile iron frame
- Hardened and tempered jaw teeth and adjusting nut
- Conforms to British Standard BS3594 Part 1

| Item No. | Size | Jaw Capacity (Imperial) | Jaw Capacity (Metric) | |
|---|---|---|---|---|
| 300/8 | 8"/200mm | 3/4" | 19mm | 6 |
| 300/10 | 10"/250mm | 1" | 25mm | 6 |
| 300/12 | 12"/300mm | 1-1/4" | 32mm | 6 |
| 300/14 | 14"/350mm | 1-1/2" | 38mm | 6 |
| 300/18 | 18"/450mm | 2" | 51mm | 4 |
| 300/24 | 24"/600mm | 2-1/2" | 63mm | 4 |
| 300/36 | 36"/900mm | 3-1/2" | 89mm | 2 |

## Leader Pipe Wrenches

- One-piece ductile iron casting assures Heavy-duty use
- Drop-forged jaws with to resist wear, distortion or breakage
- Hardened and tempered teeth provide excellent bite
- Widely use in the oil, gas and civil sectors

| Item No. | Size | Jaw Capacity (Imperial) | Jaw Capacity (Metric) | |
|---|---|---|---|---|
| 350/8 | 8"/200mm | 1" | 25mm | 4 |
| 350/10 | 10"/250mm | 1-1/2" | 38mm | 4 |
| 350/12 | 12"/300mm | 2" | 51mm | 4 |
| 350/14 | 14"/350mm | 2" | 51mm | 4 |
| 350/18 | 18"/450mm | 2-1/2" | 63mm | 4 |
| 350/24 | 24"/600mm | 3" | 76mm | 2 |
| 350/36 | 36"/900mm | 5" | 127mm | 1 |
| 350/48 | 48"/1220mm | 6" | 152mm | 1 |

IRWIN Record

## Chain Pipe Wrenches

- For use in confined spaces
- Hardened and tempered drop forged jaws
- Worn jaws may be reversed - doubles tool life
- 233C, 234C & 235C feature tubular steel handles attached to solid ductile iron castings for strength and durability
- 231-1/2 & 232-1/2 feature drop forged steel handles

| Item No. | Length (mm) | Pipe Capacity (mm) | Safe Load (kg) | Proof Torque (N.m.) | |
|---|---|---|---|---|---|
| 231-1/2 | 350 | 61 | 135 | 400 | 1 |
| 232-1/2 | 546 | 90 | 135 | 678 | 1 |
| 233C | 930 | 115 | 180 | 1580 | 1 |
| 234C | 1295 | 220 | 180 | 2260 | 1 |
| 235C | 1638 | 330 | 180 | 2825 | 1 |

## Handiwrench

- Mainly used in confined spaces, such as against a wall or close to a nest of other pipping
- Simply loop the chain around the pipe, lock it and the jaws will grip in the direction of turn
- Can be easily tightened or loosened with short strokes of the handles

| Item No. | Size | |
|---|---|---|
| 240 | 4"/100mm | 4 |

## Roller Pipe Cutters

- SG ductile iron body for durability
- Hardened and tempered machined wheel from solid steel
- Best for cutting steel pipe
- One fast cutting wheel and two wide rollers
- Rollers keep cutter square and smooth burrs ready for jointing or threading

| Item No. | Pipe Capacity (mm) | Weight (kg) | |
|---|---|---|---|
| 202 | 10-60 | 3.2 | 1 |
| 202-E-F | Wheel, Pin for 202 | | 1 |

## Tube Cutters

- Steel wheels and rollers in precision die-cast bodies
- Designed to cut copper, brass, aluminium or thin wall steel
- 200-30C features a de-burrer which folds into the body when not in use
- 200-45 also cuts plastic pipe

200-30C

200-45

| Item No. | Description | |
|---|---|---|
| 200-30C | Tube Cutter 3-30mm | 6 |
| 200-45 | Tube Cutter 15-45mm | 4 |
| 200-30C-D | Wheel for T200-30C | 1 |
| 200-45-D | Wheel for T200-45C | 1 |

## Basin Wrenches

- Designed to allow access to those difficult nuts under baths and wash basins
- Suitable for 1/2" and 3/4" nuts

THBW2101

THBW110

| Item No. | Pipe Capacity (mm) | |
|---|---|---|
| THBW110 | 10" | 10 |
| THBW210 | 9" - 16" | 10 |

## Chain Pipe Vices

- Cast from SG ductile iron
- Drop forged heat treated steel jaws
- Ideal for use in confined spaces

| Item No. | Pipe Capacity (mm) | |
|---|---|---|
| 181C | 1-60 | 1 |
| 182C | 10-115 | 1 |
| 183C | 15-220 | 1 |

## Hinged Pipe Vices

- Frame and base cast from strong SG ductile iron
- Replaceable steel jaws - hardened and tempered
- Ideal for fast, repetitive work

| Item No. | Pipe Capacity (mm) | |
|---|---|---|
| 92C | 3-50 | 1 |
| 92-1/2C | 3-63 | 1 |
| 93-1/2C | 3-88 | 1 |
| 96 | 3-150 | 1 |

## Tripod Stand

- For use with 182C, 92C and 921/2C Pipe Vices
- Hinged tool tray
- Fold-down platform
- Complete unit folds flat for easy transporting

| Item No. | Description | |
|---|---|---|
| TS10 | Tripod Stand (Vice Optional Extra) | 1 |

## Multi-Mini Tube Bender

- Calibrated for left hand, right hand and offset bends
- For small bore tubing
- Lightweight yet strong precision die-casting
- Integral formers and guides
- Can bend three sizes of copper, brass, aluminium or steel tube

| Item No. | Pipe Capacity | |
|---|---|---|
| T676810 | 6, 8, 10mm | 8 |

## GLM Hand Bending Machine

- Formers supported on both size and will not twist under heavy loading
- Durable, hardwearing steel rollers last much longer than aluminium
- Solid lug allows the machine to be held firmly between vice jaws
- Maximum capacity of 22mm copper and 15mm stainless steel
- Can also bend 12, 15 & 18mm cooper

| Item No. | Description | |
|---|---|---|
| T591057 | GLM Hand Bending Machine 15/22mm | 1 |

## Heavy Duty Universal Portable Benders

- Most advanced and versatile available
- For use by heating and ventilation engineers, electricians, plumbers, gas fitters, maintenance and motor vehicle engineers

| Item No. | Description | |
|---|---|---|
| TUL223 | Universal Portable Bending Machine | 1 |
| TUL223A | Universal Portable Bending Machine and Vice | 1 |

## EL Range Condiut Bending Machines

- Easily portable
- EL25 is the lightest condiut bender available

| Item No. | Description | |
|---|---|---|
| T090700B | EL25 Conduit Bender & Vice + 20/25mm Formers | 1 |
| T113100D | EL32 Conduit Bender & Vice + 20/25/32mm Formers | 1 |

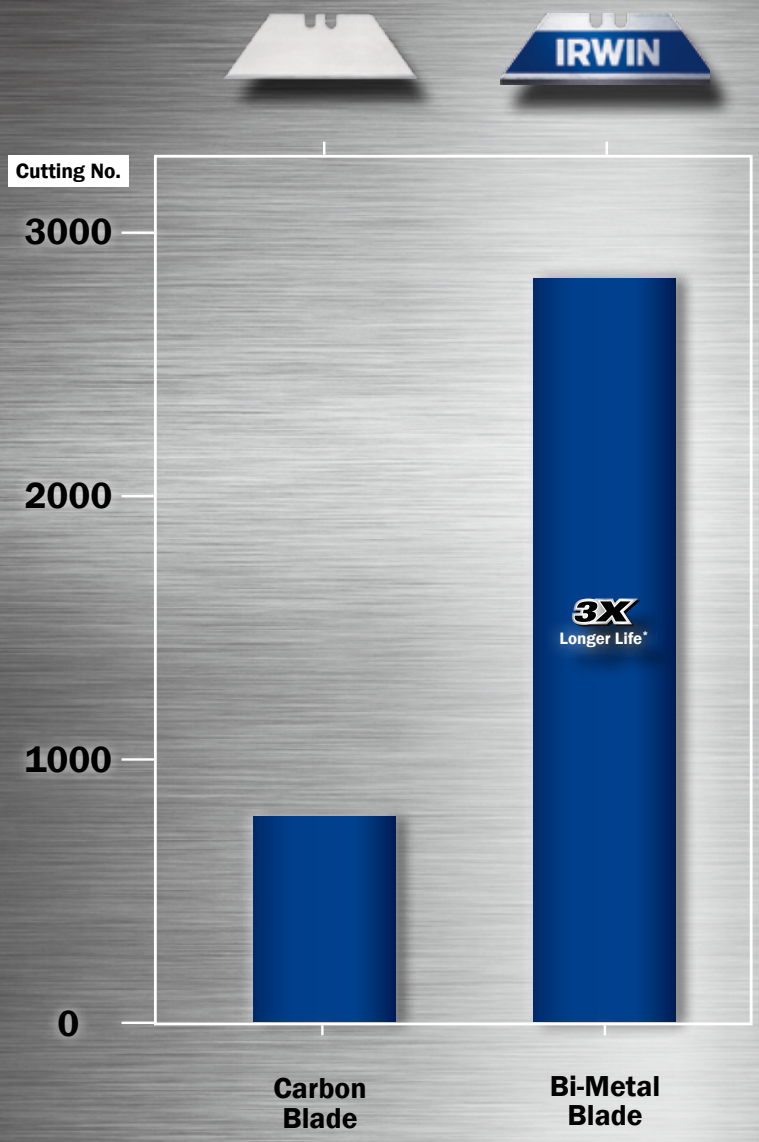
## IRWIN® Revolutionises Traditional Utility Blades

In 2003, IRWIN revolutionised traditional utility blades with the release of Bi-Metal technology. As the name implies, Bi-Metal blades are produced through a patented process of combining two types of metal, each with its own attributes and benefits.

1. Spring steel provides flexibility, resulting in a blade that is shatterproof.
2. High speed steel edge delivers a hardened cutting edge and stays sharper 3X longer than standard carbon steel blades.

The blades are safer since they will not break under normal working conditions, they help reduce the risk of injury from breaking or shattering blades. And with Bi-Metal blades lasting longer than traditional carbon blades, they result in fewer blade changes which means fewer accidental cuts.

This patented Bi-Metal technology has also been applied to 18mm snap off blades. The result is a blade with improved sharpness and durability that only snaps where it is supposed to.



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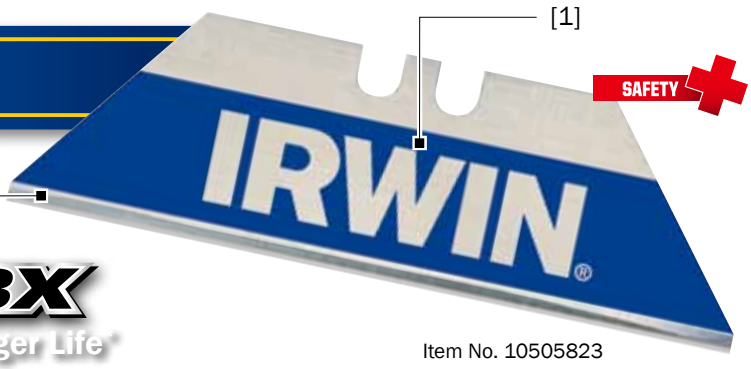
# Bi-Metal Utility Blades

Patented Bi-Metal technology fuses two premium steels together. This creates utility blades that are exceptionally durable, shatterproof and last 3x longer.
The product of these innovative features is a utility blade that outlasts and outperforms traditional carbon blades.

## BI-METAL SAFETY UTILITY BLADE FEATURES




1. Shatterproof spring steel body allows blade to bend and flex
2. Snub nose reduces risk of accidental puncture wounds

3X Longer Life*

Item No. 10505823

## Bi-Metal Utility Blades

- Bi-Metal blade for heavy duty cutting
- Shatterproof spring steel body allows blade to bend and flex
- High speed steel cutting edge stays sharper longer

## Carbon Utility Blades

- Carbon blade for general purpose cutting
- Carbon steel cutting edge

## Hook Blades

- Hooked point protects surface underneath
- Carbon Blade

| Description | Blade QTY | Item No. | |
|---|---|---|---|
| Bi-Metal Utility Blades | 5pc | 10504240 | 5 |
| | 10pc | 10504241 | 5 |
| | 100pc | 10504714 | 1 |
| | 100pc with Dispenser | 10504243 | 1 |
| Bi-Metal Safety Utility Blade | 5pc | 10505823 | 5 |
| Carbon Utility Blades | 5pc | 10504245 | 5 |
| | 10pc with Dispenser | 10504246 | 5 |
| | 100pc | 10506458 | 1 |
| | 100pc with Dispenser | 10504247 | 1 |
| Hook Blades | 5pc | 10504249 | 5 |
| | 10pc with Dispenser | 10504250 | 5 |
| | 100pc with Dispenser | 10504251 | 1 |

100pc

10pc

5pc

# Folding Utility Knife

## FOLDING UTILITY KNIFE FEATURES

1. 45° quick-change button for easy blade change
2. Wire stripper notch for built in convenience
3. Anchored belt clip for convenient access

2089100

## ProTouch™ Original Retractable Utility Knife

10504236

- Quick Change mechanism for easy blade changes
- Smooth three-position slide for variable blade lengths
- Easy tool-free push button entry
- ProTouch™ ergonomic grip
- Internal storage for up to 5 blades

## Standard Fixed Utility Knife

10504239

- Strong die cast aluminium body with 19° angled nose for greater comfort and to reduce strain
- Magnetised blade plate prevents blade from falling out when casing is open
- Screw is threaded into aluminium body preventing screw from falling out when casing is opened
- Internal blade storage for up to 5 blades

## Standard Retractable Utility Knife

10504238

- Strong die cast aluminium body with 19° angled nose for greater comfort and to reduce strain
- Magnetised blade plate prevents blade from falling out when casing is open
- Screw is threaded into aluminium body preventing screw from falling out when casing is opened
- Internal blade storage for up to 5 blades

## ProTouch™ Fixed Utility Knife

10504237

- Greater blade exposure
- Tool-free entry
- Magnetic blade holder
- ProTouch™ ergonomic grip
- Internal storage for up to 5 blades

## Self-Retracting Safety Utility Knife

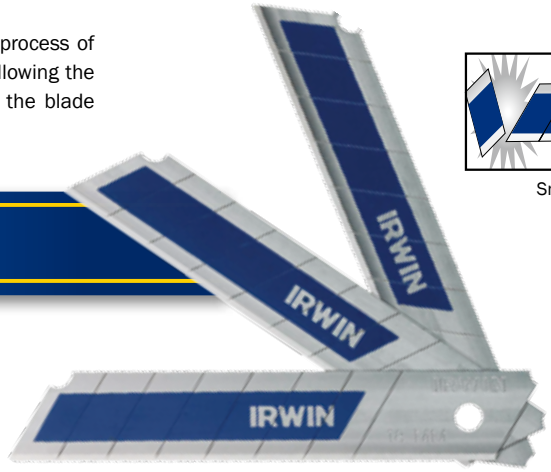
10505822

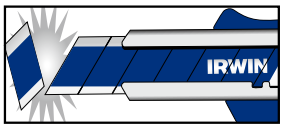
- Blade automatically retracts when it loses contact with cut material
- Strong die cast aluminium body with 19° angled nose for more comfortable cutting and to reduce strain
- Magnetised blade holder prevents blade from falling out when casing is open
- Captive bail screw for easy tool-free blade changes
- nternal blade storage for up to 5 blades

| Description | Type | Item No. | |
|---|---|---|---|
| ProTouch™ Utility Knife | Retractable | 10504236 | 5 |
| | Fixed | 10504237 | 5 |
| Utility Knife | Retractable | 10504238 | 5 |
| | Fixed | 10504239 | 5 |
| | Self-Retracting | 10505822 | 5 |
| Folding Utility Knife | Folding | 2089100 | 10 |

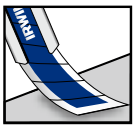
## Bi-Metal Snap-off Blades

IRWIN Bi-Metal Snap-off blades are produced through a patented process of combining two types of metal, spring steel and high speed steel, allowing the blade to bend without accidentally breaking. It also ensures that the blade snaps cleanly on the score every time.




Snaps Cleanly Every Time



Hi-Flex Blade

### BI-METAL SNAP-OFF BLADES FEATURES

- Snaps cleanly on the score
- Stays sharp 3X longer than traditional carbon blades
- Shatter-proof

3X MORE CUTS vs. traditional carbon blades

## 18mm ProTouch™ Snap-off Heavy Duty Knife

10507106

- Auto-load mechanism enables fast blade change
- Self-locking blade slider for fast blade adjustment on medium duty tasks
- Durable cast aluminium body with stainless steel blade guide
- ProTouch™ grip for a secure grip and excellent control
- Slim nose design for maximum visibility of the cutting surface
- Blade storage for 3 blades inside the removable cartridge
- Impact-resistant hinged end-cap cannot be separated from body
- With Bi-Metal Blade

## 18mm Snap-off Knife

10506544

- Self-locking blade adjustment
- With a removable end-cap which can assist breakage of each blade segment
- With Carbon Blade

Single Packs

## 18mm Standard Snap-off Screw Knife

10507580N

- Screw thread for convenient user controlled blade fixture
- Cartridge for storing 2 blades
- Strong ABS body with steel blade guide
- Texture grip provides improved control
- Slim nose design for maximum visibility
- Hinged end cap
- With Bi-Metal Blade

## 9mm Standard Snap-off Screw Knife

10507581N

- Screw thread for convenient user controlled blade fixture
- Cartridge for storing 2 blades
- Strong ABS body with steel blade guide
- Texture grip provides improved control
- Slim nose design for maximum visibility
- Hinged end cap
- With Carbon Blade

| Description | Size | Packaging | Item No. | |
|---|---|---|---|---|
| ProTouch™ Snap-off Knife | 18mm | Single Pack | 10507106 | 8 |
| | 18mm | 12pc in Bulk Pack | 10507107 | 1 |
| Standard Snap-off Screw Knife | 18mm | Single Pack | 10507580N | 5 |
| | 9mm | Single Pack | 10507581N | 5 |
| Snap-off Knife | 18mm | Single Pack | 10506544 | 5 |
| | 18mm | 24pc in Bulk Pack | 10506547 | 1 |
| | 9mm | Single Pack | 10506543 | 5 |
| | 9mm | 24pc in Bulk Pack | 10506546 | 1 |
| Bi-Metal Snap-off Blades | 18mm | 5pc | 10507102 | 10 |
| | 18mm | 8pc | 10507103 | 10 |
| | 18mm | 50pc | 10507104 | 2 |
| Carbon Snap-off Blades | 18mm | 5pc | 10504561 | 5 |
| | 18mm | 10pc | 10504562 | 5 |
| | 9mm | 5pc | 10504566 | 5 |
| | 9mm | 10pc | 10504567 | 5 |

BULK PACKS

Maximise sales using our new high impact bulk knife packs. Great for stackable counter features and shelves. Each knife is individually barcoded and comes with one blade loaded.

IRWIN

IRWIN GILBOW

## The Choice of Professional Tradesmen Since 1924

**IRWIN ® Gilbow® snips and shears have a cutting capability much greater than the strength of the user.**

**The original tin snips were first designed in 1924 and have dominated the sheet metal cutting industry to such an extent that today, snips and shears are referred to as "Gilbows" – a true sign of enduring dependability and trust.**

## General Purpose Snips

- Unique non-slip joint set and tested for a perfect cut
- Double, hollow ground baldes
- Drop-forged carbon tool steel handles and blades
- Safety stop prevents trapped fingers

| Item No. | Cutting Pattern | Size | Length (mm) | Cutting Capacity (mm) | |
|---|---|---|---|---|---|
| G245/8 | Straight | 8" | 200 | 1.2mm Cold Rolled Steel/0.46mm Stainless Steel | 6 |
| G245/10 | Straight | 10" | 250 | 1.2mm Cold Rolled Steel/0.46mm Stainless Steel | 6 |
| G245/12 | Straight | 12" | 300 | 1.2mm Cold Rolled Steel/0.46mm Stainless Steel | 6 |
| G245/14 | Straight | 14" | 350 | 1.4mm Cold Rolled Steel/1.2mm Stainless Steel | 6 |

## Spring-Divided Snips

- Automatically open the snips at the end of each cut

| Item No. | Cutting Pattern | Size | Length (mm) | Cutting Capacity (mm) | |
|---|---|---|---|---|---|
| G245S/8 | Straight | 8" | 200 | 1.2mm Cold Rolled Steel/0.46mm Stainless Steel | 6 |
| G245S/10 | Straight | 10" | 250 | 1.2mm Cold Rolled Steel/0.46mm Stainless Steel | 6 |
| G245S/12 | Straight | 12" | 300 | 1.2mm Cold Rolled Steel/0.46mm Stainless Steel | 6 |
| G245S/14 | Straight | 14" | 350 | 1.4mm Cold Rolled Steel/1.2mm Stainless Steel | 6 |

## Curved Blade Snips

- Drop-forged carbon tool steel
- Tight radius cuts in a clockwise or anti-clockwise direction

| Item No. | Cutting Pattern | Size | Length (mm) | Cutting Capacity (mm) | |
|---|---|---|---|---|---|
| G246/8 | Curved | 8" | 200 | 1.2mm Cold Rolled Steel/0.46mm Stainless Steel | 6 |
| G246/10 | Curved | 10" | 250 | 1.2mm Cold Rolled Steel/0.46mm Stainless Steel | 3 |
| G246/12 | Curved | 12" | 300 | 1.2mm Cold Rolled Steel/0.46mm Stainless Steel | 3 |

## Jeweller's Shears

- Short bladed light duty snips used by jewellers, silversmiths and model makers

| Item No. | Cutting Pattern | Size | Length (mm) | Cutting Capacity (mm) | |
|---|---|---|---|---|---|
| G56 | Straight | 7" | 175 | 1.2mm Cold Rolled Steel/0.46mm Stainless Steel | 6 |
| G056 | Curved | 7" | 175 | 1.2mm Cold Rolled Steel/0.46mm Stainless Steel | 6 |

## Heavy Duty Cranked Handle Shears

- These cranked-handled shears can be used for straight cutting
- G69 is right-hand cranked for working anticlockwise
- G67 is left-hand cranked for working clockwise

| Item No. | Cutting Pattern | Size | Length (mm) | Cutting Capacity (mm) | |
|---|---|---|---|---|---|
| G67 | Left Hand | 11" | 275 | 1.5mm Cold Rolled Steel/1.2mm Stainless Steel | 6 |
| G69 | Right Hand | 11" | 275 | 1.5mm Cold Rolled Steel/1.2mm Stainless Steel | 6 |

## Medium Duty Straight Handle Shears

- Used for straight cutting

| Item No. | Cutting Pattern | Size | Length (mm) | Cutting Capacity (mm) | |
|---|---|---|---|---|---|
| G950 | Straight | 12" | 300 | 1.2mm Cold Rolled Steel/1.2mm Stainless Steel | 6 |

# Aviation and Offset Snips

IRWIN® Aviation and Offset Snips feature hot-drop forged steel blades for a sharper cutting edge and greater strength. Ergonomically designed ProTouch™ grips and long-life spring increase leverage and optimize cuts.

Offset Snips

## Aviation Snips

10504309N

10504310N

10504311N

- Multiple pivot pins provide compound cutting action

## Offset Snips

10504316N

10504315N

Aviation Snips

## Bulldog Snips

10504313N

- Short blades designed for more power when notching and trimming thicker material

## Extra Cut Snips

10504314N

- For straight or curved cuts. Keeps hands safely above the work surface

Extra Cut Snips

| Item No. | Cutting Pattern | Size | Length (mm) | Length of Cut(mm) | Cutting Capacity Metal Sheet(mm) | Cutting Capacity Stainless (mm) | |
|---|---|---|---|---|---|---|---|
| 10504309N | Left Straight Cut | 10" | 250 | 33.40 | 1.19 | 0.84 | 5 |
| 10504310N | Right Straight Cut | 10" | 250 | 33.40 | 1.19 | 0.84 | 5 |
| 10504311N | Straight Cut | 10" | 250 | 33.40 | 1.19 | 0.84 | 5 |
| 10504315N | Straight & Angles or Left Curves | 9-1/2" | 241 | 30.20 | 1.19 | 0.84 | 5 |
| 10504316N | Straight & Angles or Right Curves | 9-1/2" | 241 | 30.20 | 1.19 | 0.84 | 5 |
| 10504313N | Straight & Angles | 9" | 228 | 19.00 | 1.52 | 1.19 | 5 |
| 10504314N | Straight & Curves | 11-3/4" | 296 | 80.00 | 0.60 | 0.47 | 5 |

ProTouch™ GRIPS

# Bolt Cutters

IRWIN® Record® bolt cutters made their debut in 1923. IRWIN® Record® bolt cutters combine specially formulated steel jaws and exacting manufacturing techniques to make a range of cutters that will handle high, low and medium tensile materials of all kinds.

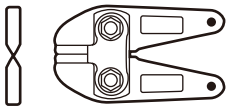
TBC924

924H

| Item No. | Tensile materials | Material Diameter 4mm | 5mm | 6mm | 8mm | 10mm | 11mm | 13mm | 14mm | 16mm | Adjustment | Cut Type | Sizes | Length (mm) | Weight (kg) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BC914H | Medium-Duty | √ | √ | | | | | | | | CAM | CENTRE | 14" | 355 | 1.1 | 1 |
| BC918H | Medium-Duty | √ | √ | √ | | | | | | | CAM | CENTRE | 18" | 460 | 1.5 | 1 |
| BC924H | Medium-Duty | √ | √ | √ | √ | | | | | | CAM | CENTRE | 24" | 610 | 2.7 | 1 |
| BC930H | Medium-Duty | √ | √ | √ | √ | √ | | | | | CAM | CENTRE | 30" | 760 | 4.8 | 1 |
| BC936H | Medium-Duty | √ | √ | √ | √ | √ | √ | | | | CAM | CENTRE | 36" | 915 | 6.7 | 1 |
| 914H | Heavy-Duty | √ | √ | | | | | | | | ARM | CENTRE | 14" | 355 | 1.3 | 1 |
| 924H | Heavy-Duty | √ | √ | √ | √ | | | | | | ARM | CENTRE | 24" | 610 | 2.8 | 1 |
| 930H | Heavy-Duty | √ | √ | √ | √ | √ | | | | | ARM | CENTRE | 30" | 760 | 4.9 | 1 |
| 936H | Heavy-Duty | √ | √ | √ | √ | √ | √ | | | | ARM | CENTRE | 36" | 915 | 6.9 | 1 |
| 942H | Heavy-Duty | √ | √ | √ | √ | √ | √ | √ | | | ARM | CENTRE | 42" | 1070 | 9.5 | 1 |
| TBC914 | General | √ | √ | √ | √ | | | | | | CAM | CENTRE | 14" | 355 | 1.1 | 1 |
| TBC918 | General | √ | √ | √ | √ | √ | | | | | CAM | CENTRE | 18" | 460 | 1.6 | 1 |
| TBC924 | General | √ | √ | √ | √ | √ | √ | | | | CAM | CENTRE | 24" | 610 | 2.7 | 1 |
| TBC930 | General | √ | √ | √ | √ | √ | √ | √ | √ | | CAM | CENTRE | 30" | 760 | 4.3 | 1 |
| TBC936 | General | √ | √ | √ | √ | √ | √ | √ | √ | √ | CAM | CENTRE | 36" | 915 | 5.9 | 1 |
| 918F | General | √ | √ | √ | √ | √ | | | | | ARM | CLIPPER | 18" | 460 | 1.8 | 1 |
| 924F | General | √ | √ | √ | √ | √ | √ | | | | ARM | CLIPPER | 24" | 610 | 3.1 | 1 |
| 930F | General | √ | √ | √ | √ | √ | √ | √ | √ | | CAM | CLIPPER | 30" | 760 | 4.8 | 1 |
| BC924E | General | √ | √ | √ | √ | √ | √ | | | | CAM | END | 24" | 610 | 2.5 | 1 |

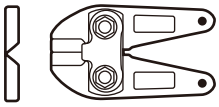
### Centre Cut Jaw

For general purpose cutting



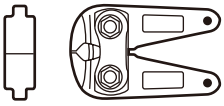
### Clipper Cut Jaw

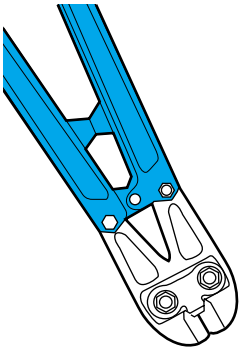
For close cropping applications



### End Cut Jaw

For flush cutting in confined spaces



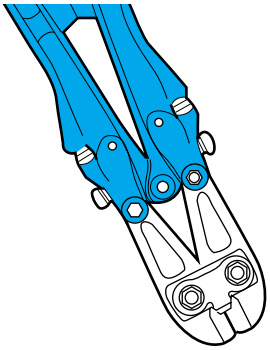


### Cam Adjusted Jaw Bolt Cutters

Lightweight and easy to adjust. Ideal for day-to-day use.

How to adjust the cam:

1. Loosen the locking nuts and tap through to release the cam bolt head.
2. Turn the cam bolts clockwise to close the jaws, or anti-clockwise to open.
3. When the jaws are adjusted, tap the cam bolt head into its recess and re-tighten the locking nuts.



### Arm Adjusted Jaw Bolt Cutters

Wide range of easily changeable adjustments. Best suited to continuous use.

How to adjust the arm:
Loosen the handle adjusting nuts.
Turn the arm adjusting bolt to align the cutting edges.
Re-tighten the handle adjusting nuts.

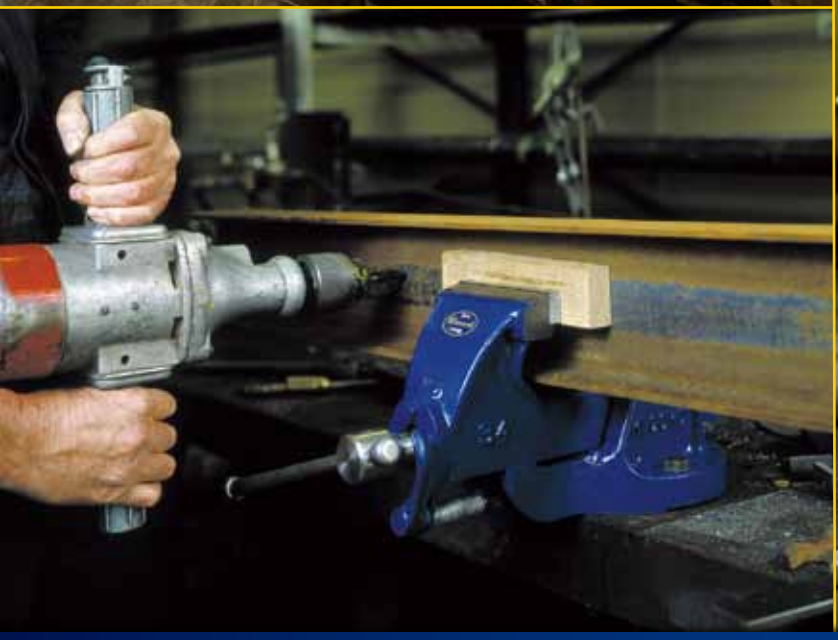
## Accessories

| Item No. | Description | Size | |
|---|---|---|---|
| T924U-EFGT | Replacement Strap Set | 24" | 1 |
| T930U-EFGT | Replacement Strap Set | 30" | 1 |
| T936U-EFGT | Replacement Strap Set | 36" | 1 |
| T942U-EFGT | Replacement Strap Set | 42" | 1 |
| TJ924H | Replacement Jaw – Centre Cut | 24" | 1 |
| TJ930H | Replacement Jaw – Centre Cut | 30" | 1 |
| TJ936H | Replacement Jaw – Centre Cut | 36" | 1 |
| TJ942H | Replacement Jaw – Centre Cut | 42" | 1 |
| TJ924F | Replacement Jaw – Clipper Cut | 24" | 1 |
| TJ930F | Replacement Jaw – Clipper Cut | 30" | 1 |

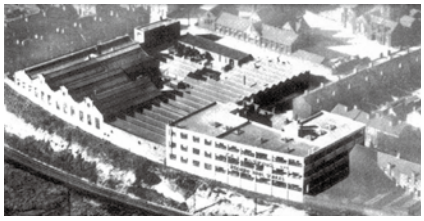
## Medium-Duty Cable Cutter

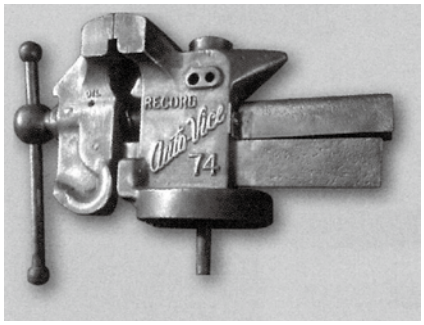
- Drop-forged steel heads with long tubular handles for cutting a variety of wire and cable

| Item No. | Cutting Capacity | Handle Type | |
|---|---|---|---|
| TWC16 | 16mm Wire Rope & 21mm OD Armoured Electric Cable | Tubular handle | 1 |
| TWC6 | Small, Solid and Strand Wire | Spring handle | 1 |



## The Choice of Professional Tradesman Since 1909






**Originally established in 1898 in the South Yorkshire city of Sheffield, the Record® Tools Factory was swiftly able to make a long lasting contribution to the worldwide reputation of the region for the manufacture of high quality steel and castings.**

**The Record® brand name was introduced in 1909 and by the 1920's the product range had expanded into vices, planes, clamps and pipe wrenches enabling the business to grow rapidly in the UK and many overseas markets.**

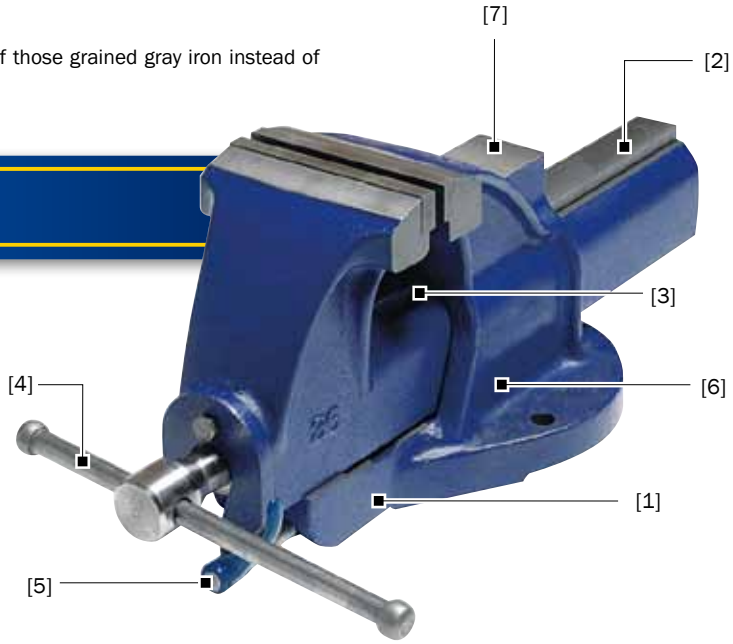
**Today, IRWIN® Record® continues excelling by sticking to the traditional values set by its founders, producing tools that are highly valued amongst professional users for quality and durability that remains strong today.**

# Engineers' Vice – Lifetime Vice Range

Designed for heavy-duty work, these vices are made from S.G. Ductile Iron with an integral anvil for shaping and beating, together with a quick-release mechanism for rapid slide adjustment. The reinforced body and slide, large diameter main screw allow these vices with the working strength and resilience to withstand the most demanding work.

Fitters' vices are similar in design to Engineers' however made of those grained gray iron instead of S.G. Ductile Iron. Full line of replacement parts available.

## ENGINEERS' VICES
## FEATURES



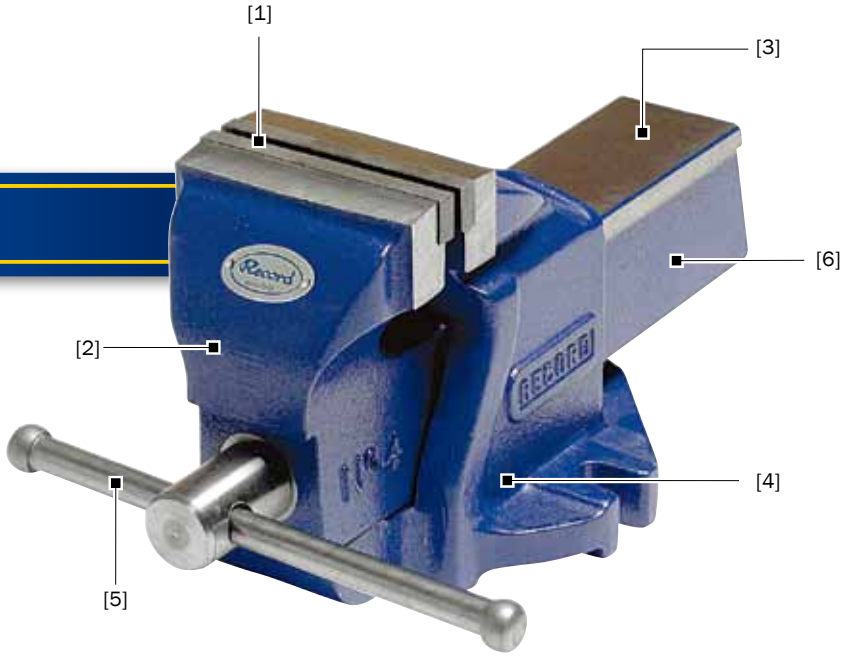

1. Made from S.G. Ductile Iron with high-impact resistance, guaranteeing strength and long life
2. Safety Stop prevents the slide from being separated from the body
3. Fully machined on all load-bearing surfaces for smooth and troublefree operation
4. Fused steel handle will bend before the vice can be overstressed
5. Quick-release mechanism disengages the main screw, allowing rapid , movement of the slide
6. Unbreakable SG Iron nut can be replaced when worn
7. Integral Anvil

| Item No. | Description | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | Average Clamping Force (kg) | Net Weight (kg) | |
|---|---|---|---|---|---|---|---|---|---|
| 8434 | Engineers'Vice 4-1/2" | 115 | 80 | 150 | 143 | 194 | 2000 | 17 | 1 |
| 36 | Engineers'Vice 6" | 150 | 100 | 190 | 165 | 121 | 2000 | 29 | 1 |
| 112 | Engineers'Vice 6" | 150 | 95 | 185 | 192 | 221 | 2500 | 33 | 1 |
| 114 | Engineers'Vice 8" | 205 | 115 | 235 | 203 | 290 | 2500 | 39 | 1 |
| 23* | Fitters'Vice 4-1/2" | 110 | 85 | 165 | 143 | 213 | 2000 | 28 | 1 |
| 25* | Fitters'Vice 6" | 150 | 115 | 210 | 165 | 273 | 2500 | 41 | 1 |

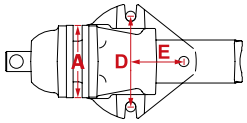
*Fitters' vices are similar in design to Engineers' however made of those grained gray iron instead of S.G. Ductile Iron.

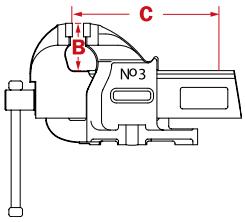
# Mechanics' Vice

## MECHANICS' VICES FEATURES




1. Replaceable hardened steel jaws (55HRC)
2. Cast from close grained grey iron guaranteeing strength and long life
3. Fully machined on all load-bearing surfaces for smooth and trouble free operation
4. Internal iron nut can be replaced when worn
5. Fused steel handle will bend before the vice is overstressed
6. Fast action rolled twin start acme thread for strength and wear resistance




| Item No. | Description | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | Average Clamping Force (kg) | Net Weight (kg) | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Mechanics'Vice 3" | 76 | 48 | 95 | 89 | 62 | 1000 | 5.4 | 1 |
| 3 | Mechanics'Vice 4" | 102 | 70 | 120 | 129 | 75 | 1500 | 15 | 1 |
| 4 | Mechanics'Vice 4-1/2" | 114 | 75 | 140 | 137 | 81 | 1800 | 19 | 1 |
| 5 | Mechanics'Vice 5" | 127 | 83 | 165 | 140 | 91 | 1800 | 24 | 1 |
| 6 | Mechanics'Vice 6" | 152 | 89 | 205 | 165 | 118 | 2000 | 32 | 1 |
| 8 | Mechanics'Vice 8" | 203 | 102 | 235 | 165 | 121 | 2000 | 38 | 1 |

## Workshop Vice (with Anil & Swivel Base)

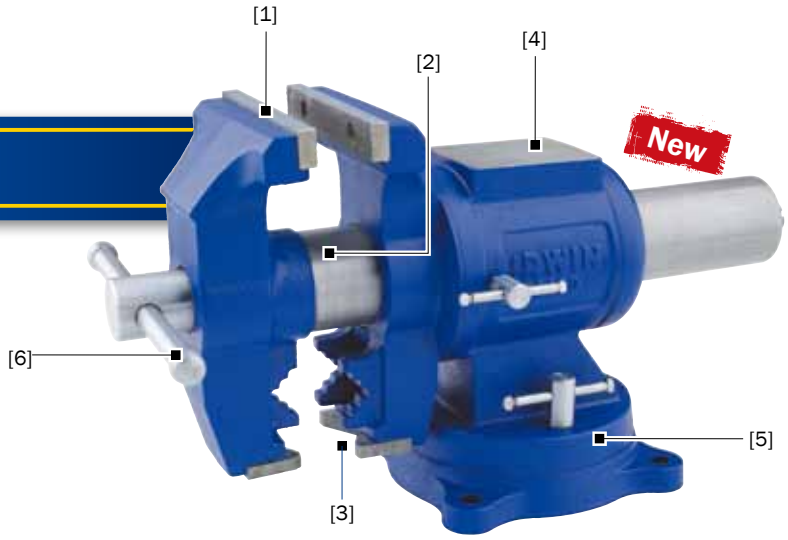
- Cast from close grained grey iron
- Lockable 360˚ swivel base
- Designed for use in workshops and garages

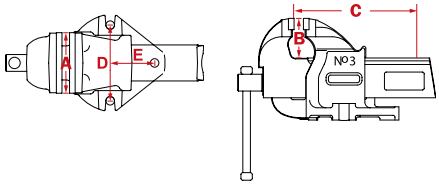
| Item No. | Description | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | Average Clamping Force (kg) | Net Weight (kg) | |
|---|---|---|---|---|---|---|---|---|---|
| 3TON-3VS | Workshop Vice 4" | 102 | 70 | 120 | 165 | 143 | 1000 | 15.75 | 1 |
| 6TON-3VS | Workshop Vice 6" | 152 | 75 | 145 | 203 | 176 | 2000 | 22.25 | 1 |

# Multi Purpose Vice

## MULTI PURPOSE VICE FEATURES

1. Replaceable hardened steel jaws
2. Rotating head for flexibility in jaw usage and placement
3. Integrated pipe jaws for holding round stock
4. Integrated hardened steel anvil
5. Swivel base - four mounting points and 360° rotation
6. Fused steel handle will bend before the vice can be overstressed




| Item No. | Description | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | Average Clamping Force (kg) | Net Weight (kg) | |
|---|---|---|---|---|---|---|---|---|---|
| 4935505 | Multi Purpose Vice 5" | 125 | 70 | 125 | 122 | 122 | 800 | 14.85 | 1 |

## Drill Press Vice

Quality and precision are the hallmarks of IRWIN® Record® Drill press vice, an ideal addition to the engineering working. Designed for use with drill presses and pillar drills.

- Unique swivel jaw for any shaped workpiece
- Precision-machined base and face for stable horizontal or vertical mounting
- Horizontal and vertical V-Grooved jaws provide excellent grip
- when clamping pipes
- Cross-drilled handle with tommy bar for extra leverage
- High quality cast iron body and sliding jaw

| Item No. | Description | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | Average Clamping Force (kg) | Net Weight (kg) | |
|---|---|---|---|---|---|---|---|---|---|
| 414 | Drill Press Vice 4" | 100 | 32 | 75 | 125 | 1000 | 3200 | 7.6 | 1 |

## Swivel Bases

| Item No. | Suits(Size) | Net Weight (kg) | |
|---|---|---|---|
| 1SB | 1# | 1.13 | 1 |
| 3SB | 3# | 3.01 | 1 |
| 4SB | 4# & 5# | 3.48 | 1 |
| 6SB | 6#, 8#, 25# & 36# | 7.03 | 1 |

## Fibre Grips

| Item No. | Size | Net Weight (kg) | |
|---|---|---|---|
| FG4 | 4" | 0.15 | 6 |
| FG4-1/2 | 4-1/2" | 0.21 | 6 |
| FG5 | 5" | 0.20 | 6 |
| FG6 | 6" | 0.24 | 6 |

## Quick-Release Woodworking Vices

- Cast from grey iron
- CNC machined for consistent functioning
- Time saving quick release mechanism
- Mounts under bench tops

| Item No. | Jaw Width | Jaw Opening | Net Weight (kg) | |
|---|---|---|---|---|
| 52ED | 7"/175mm | 8"/205mm | 10.11 | 1 |
| 52-1/2ED | 9"/230mm | 13"/330mm | 17.27 | 1 |
| 53ED | 10-1/2"/265mm | 15"/380mm | 19.02 | 1 |

## Plain Screw Woodworking Vices

- Cast from grey iron
- CNC machined for consistent reliability
- Unbreakable SG ductile iron half-nut takes the load and can be replaced when worn
- Two steel guide rods reduce wear and ensure smooth, parallel action
- Mounts under bench tops

| Item No. | Jaw Width | Jaw Opening | Net Weight (kg) | |
|---|---|---|---|---|
| 52PD | 7"/175mm | 8"/205mm | 8.98 | 1 |
| 52-1/2PD | 9"/230mm | 13"/330mm | 15.70 | 1 |
| 53PD | 10-1/2"/265mm | 15"/380mm | 17.90 | 1 |

## Woodcraft Vices

- Body and slide made from grey iron
- Fast action rolled twin start acme thread for strength and wear resistance
- Two parallel slide rods for smooth operation
- Mounts under bench tops
- Suitable for young woodworker or handyman

| Item No. | Jaw Width | Jaw Opening | Net Weight (kg) | |
|---|---|---|---|---|
| V149B | 6"/150mm | 4-1/2"/115mm | 2.65 | 1 |
| V150B | 6"/150mm | 4-1/2"/115mm | 3.21 | 1 |
| V175B | 7"/175mm | 6-1/2"/165mm | 5.59 | 1 |

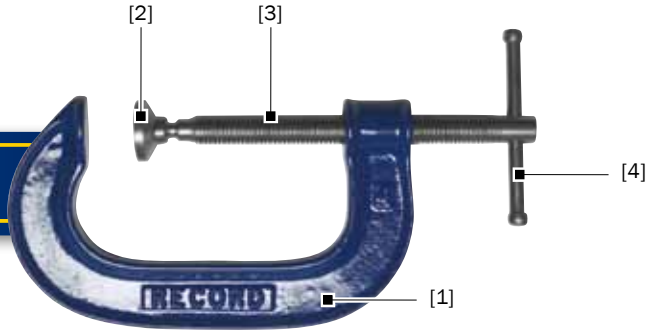
## Table Vice

- Ideal portable vice for small workpiece
- Built-in clamp allows to be attached to a bench, table or work surface quickly
- Pipe grips are incorporated below the parallel jaws
- Anvil on rear of the body

| Item No. | Jaw Width | Jaw Opening | Net Weight (kg) | |
|---|---|---|---|---|
| V75B | 3"/150mm | 2"/50mm | 1.99 | 1 |

# General G-Clamps

GENERAL G-CLAMPS
## FEATURES




1. I-Braced design, cast from strong SG ductile iron
2. Adjustable steel swivel shoe to help clamp uneven surfaces
3. Fast and smooth action twin start acme cold rolled thread
4. Fused handle designed to bend if overloaded

| Item No. | Capacity | Throat Depth (mm) | Frame Load (kg) | |
|---|---|---|---|---|
| 120/3 | 3"/75mm | 55 | 455 | 4 |
| 120/4 | 4"/100mm | 60 | 545 | 4 |
| 120/6 | 6"/150mm | 75 | 635 | 4 |
| 120/8 | 8"/200mm | 85 | 775 | 1 |
| 120/10 | 10"/250mm | 105 | 1000 | 1 |
| 120/12 | 12"/300mm | 115 | 1135 | 1 |

## Extra Heavy Duty G-Clamps

- Strongest G-Clamp available
- Drop forged steel frame for strength and durability
- Adjustable steel swivel shoe to help clamp uneven surfaces
- Fast action rolled twin start acme thread for strength and wear resistance
- Fused steel handle designed to bend if overloaded
- Recommended for metalworking and fabrication

| Item No. | Capacity | Throat Depth (mm) | Frame Load (kg) | |
|---|---|---|---|---|
| 121/3 | 3"/75mm | 55 | 2700 | 4 |
| 121/4 | 4"/100mm | 70 | 3200 | 4 |
| 121/6 | 6"/150mm | 90 | 4000 | 1 |
| 121/8 | 8"/200mm | 90 | 5770 | 1 |
| 121/10 | 10"/250mm | 100 | 6200 | 1 |
| 121/12 | 12"/300mm | 115 | 6800 | 1 |

## Medium Duty G-Clamps

- Drop forged steel frame for strength and durability
- Adjustable steel swivel shoe to help clamp uneven surfaces
- Fast action rolled twin start acme thread for strength and wear resistance
- Fused steel handle designed to bend if overloaded

| Item No. | Capacity | Throat Depth (mm) | Frame Load (kg) | |
|---|---|---|---|---|
| 119/2 | 2"/50mm | 40 | 400 | 6 |
| 119/3 | 3"/75mm | 55 | 500 | 6 |
| 119/4 | 4"/100mm | 70 | 590 | 6 |
| 119/6 | 6"/150mm | 90 | 680 | 6 |

## Deep Throat G-Clamp

- Made from SG ductile iron
- For use when clamping well in from the edge

| Item No. | Capacity | Throat Depth (mm) | Frame Load (kg) | |
|---|---|---|---|---|
| T122/4 | 4" / 100mm | 115 | 500 | 4 |

IRWIN
QUICK-GRIP
IRWIN
QUICK-GRIP

# The Complete Solution for any Clamping Application

IRWIN® QUICK-GRIP® can deliver the right fit, features and pressure for any clamping job - from the smallest craft project to large scale cabinetry. Whether you need the one-handed power of the QUICK-GRIP XP600 or the versatility of the SL300 clamp, you can be sure you will get the clamping performance you need when you reach for the clamp with the QUICK-GRIP brand.

**CLAMPING TOOLS APPLICATION GUIDE**

| Clamps & Specs | One-Handed Bar Clamps | | | | Handi and Spring Clamps | Traditional Bar Clamps | | | | Specialty Clamps |
|---|---|---|---|---|---|---|---|---|---|---|
| | Micro Bar Clamp | Mini Bar Clamp | Quick Grip SL300 | Quick Grip XP600 | Handi Clamp | F-Clamp (light Duty) | F-Clamp (Med. Duty) | F-Clamp (Heavy Duty) | Bar Clamp | Specialty Clamps |
| Holding Force: | 18kg | 70kg | 135kg | 250kg | 15kg | 300kg | 500kg | 700kg | 400kg | N/A |
| Clamp Capacity: | 100mm | 150~300mm | 150~900mm | 150~1200mm | 38~100mm | 200~800mm | 300~1000mm | 400~1500mm | 610~2000mm | N/A |
| Throat Depth: | 30mm | 62mm | 84mm | 92mm | 38mm | 80mm | 120mm | 140mm | 38mm | N/A |
| Crafts/Light Duty Clamping | BEST | BEST | BETTER | BETTER | | BETTER | GOOD | | GOOD | |
| Temporary hold-down quick clamping | BEST | BEST | BEST | BEST | BEST | BETTER | | | | |
| Flat panels/ Solid edge wood glue up / Deep reach clamping | | | | | BETTER | | GOOD | BETTER | BETTER | |
| Irregular shape/ Multiple surface/ Corner joining | | | | BETTER | BETTER | | | | | BEST |
| Installation/ Demolition/ Heavy-duty clamping | | | | GOOD | BETTER | | | BETTER | BEST | |
| Localized pressure/ Metal working | | | | | | | | BETTER | BETTER | |

IRWIN QUICK-GRIP

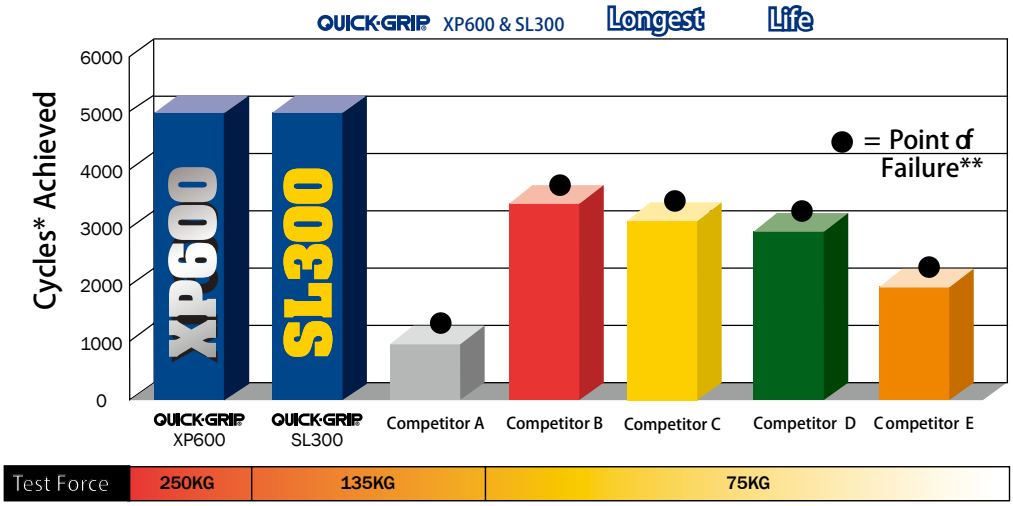
BEST — Best choice for clamping application
BETTER — Better choice for clamping application
GOOD — Good choice for clamping application

## One-Handed Bar Clamp Life Test

**An overall brand comparison is shown in this chart. Only the IRWIN QUICK-GRIP® XP600 and SL300 are able to complete the 5,000 cycle* test without showing failure.**

***1 cycle = clamp to test force and release**

****Failure = no longer achieving test force**



# QUICK-GRIP® XP600

With 250KG. of sustained clamping pressure/holding force, the IRWIN® QUICK GRIP® XP600 (Extreme Pressure) is the most powerful one-handed Bar clamp Available. It's ideal for heavy-duty applications such as installation, demolition, and rough glue-up. Dual-locking swivel jaws with removable, non-marring full-face pads provide even distribution of clamping force on the workpiece. The pads can be easily removed to activate the swivel jaws to maintain full contact and combat flexing at extreme pressure, or for conforming to irregular shapes. An adjustable foot provides added support so the clamp can sit upright on a table or work surface, making it perfect for gluing panels or cabinetry. Plus, the unique pistol grip design and Quick-Release™ trigger provide simple, one-handed operation. The IRWIN QUICK-GRIP XP600 One-Handed Bar Clamp delivers maximum power, versatility, and stability.

## QUICK-GRIP XP600 FEATURES

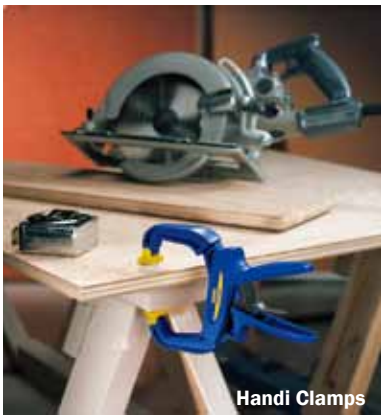
1. Dual-locking swivel jaws with removable full-face pads provide even distribution of clamping force.
2. 92mm (3-5/8") throat depth
3. Removable full face pads provide more surface area, even distribution of pressure, and protect work surface.
4. I-beam bar supports added pressure, with less bend and flex. Heat-treated, black oxide carbon steel provides maximum durability.
5. Patented Power Lock™ system holds more pressure longer.
6. Adjustable foot provides added support so clamp can sit upright on a table or work surface.
7. Quick-Change™ screw easily converts clamp to a spreader, and spring-loaded screw is affixed so it won't get lost.

| Item No. | Sizes | Throat Depth | |
|---|---|---|---|
| 10505942 | 6"/150mm | 3-5/8" (92 mm) | 5 |
| 10505943 | 12"/300mm | 3-5/8" (92 mm) | 5 |
| 10505944 | 18"/450mm | 3-5/8" (92 mm) | 5 |
| 10505945 | 24"/600mm | 3-5/8" (92 mm) | 5 |
| 10505946 | 36"/900mm | 3-5/8" (92 mm) | 4 |
| 10505947 | 50"/1250mm | 3-5/8" (92 mm) | 4 |

Quick Change™ SL300

Quick Change™ SL300

Micro Bar Clamps


Handi Clamps

## Quick Change™ SL300

- Patented locking swivel jaw suitable for clamping to uneven work surfaces
- Quick change screw allows for easy conversion to spreader and affixed screw won't get lost
- Removable resin pads protect work surface
- I-Beam Bar supports added pressure with less bend and flex
- Suitable for medium duty applications

| Item No. | Sizes | Throat Depth | |
|---|---|---|---|
| 506QCEL7 | 6"/150mm | 3-3/16" (81 mm) | 5 |
| 512QCEL7 | 12"/300mm | 3-3/16" (81 mm) | 5 |
| 518QCEL7 | 18"/450mm | 3-3/16" (81 mm) | 5 |
| 524QCEL7 | 24"/600mm | 3-3/16" (81 mm) | 5 |
| 536QCEL7 | 36"/900mm | 3-3/16" (81 mm) | 5 |

## Mini Bar Clamps

- Strong, light and fast
- One-handed operation - a simple hand squeeze applies pressure, trigger releases pressure
- Soft, pliable pads protect work surfaces

| Item No. | Sizes | Throat Depth | |
|---|---|---|---|
| 546EL7 | 6"/150mm | 2-1/16" (62mm) | 5 |

## Micro Bar Clamps

- Soft, durable pads protect delicate work surfaces
- Easily converts to a spreader
- Made from strong, lightweight resin material
- Perfect for hobby and craft use

| Item No. | Sizes | Throat Depth | |
|---|---|---|---|
| 53006EL7 | 4-1/4"/115mm | 2-1/16" (62mm) | 5 |

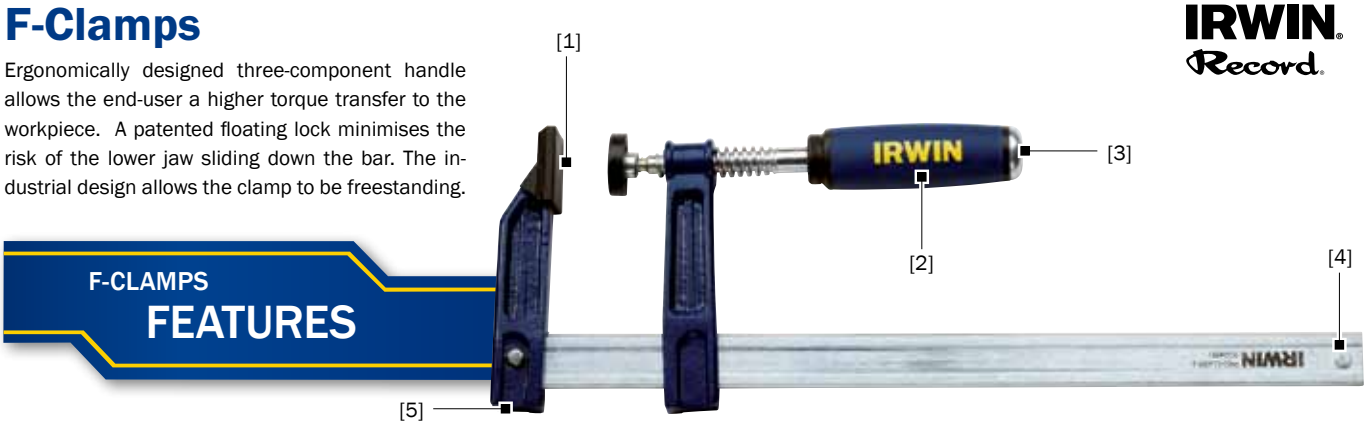
## Handi Clamps

- Quick Release trigger allows for fast, easy positioning and release
- Jaws designed to reach around odd shapes
- Non-marking swivel pads
- Made from strong, lightweight resin material
- Non-slip handles

| Item No. | Sizes | |
|---|---|---|
| 59100ECD | 1-1/2" (38mm) | 20 |
| 59200ECD | 2" (50mm) | 12 |
| 59400ECD | 4" (100mm) | 10 |

# F-Clamps

Ergonomically designed three-component handle allows the end-user a higher torque transfer to the workpiece. A patented floating lock minimises the risk of the lower jaw sliding down the bar. The industrial design allows the clamp to be freestanding.

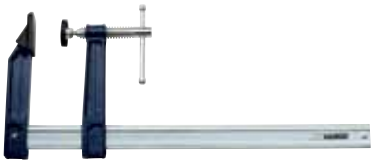



- TPE pads snap fit to prevent loss and give excellent friction to work surface while reducing marking
- Three-component handle for higher torque transfer than wood, plus added comfort (large range has tommy bar)
- Ergonomic soft hexed handle
- Zinc plated I-beam for strength and rust prevention
- Heads have flat feet allowing clamp to stand horizontally and vertically

## Heavy Duty F-Clamps

- Frame Load: 713KG

| Item No. | Clamping Capacity | Clamping Depth | |
|---|---|---|---|
| 10503574 | 16"/400mm | 4-5/8" (117.5 mm) | 3 |
| 10503575 | 24"/600mm | 4-5/8" (117.5 mm) | 3 |
| 10503576 | 32"/800mm | 4-5/8" (117.5 mm) | 3 |
| 10503577 | 40"/1000mm | 4-5/8" (117.5 mm) | 3 |
| 10503578 | 50"/1250mm | 4-5/8" (117.5 mm) | 3 |
| 10503579 | 60"/1500mm | 4-5/8" (117.5 mm) | 3 |



## Medium Duty F-Clamps

- Frame Load: 510KG

| Item No. | Clamping Capacity | Clamping Depth | |
|---|---|---|---|
| 10503569 | 12"/300mm | 3" (76 mm) | 4 |
| 10503570 | 16"/400mm | 3" (76 mm) | 4 |
| 10503571 | 24"/600mm | 3" (76 mm) | 4 |
| 10503572 | 32"/800mm | 3" (76 mm) | 4 |
| 10503573 | 41"/1000mm | 3" (76 mm) | 4 |

## Light Duty F-Clamps

- Frame Load: 305KG

| Item No. | Clamping Capacity | Clamping Depth | |
|---|---|---|---|
| 10503564 | 8"/200mm | 2-1/2" (64mm) | 4 |
| 10503565 | 12"/300mm | 2-1/2" (64mm) | 4 |
| 10503566 | 16"/400mm | 2-1/2" (64mm) | 4 |
| 10503567 | 24"/600mm | 2-1/2" (64mm) | 4 |
| 10503568 | 32"/800mm | 2-1/2" (64mm) | 4 |

## T-Bar Clamps

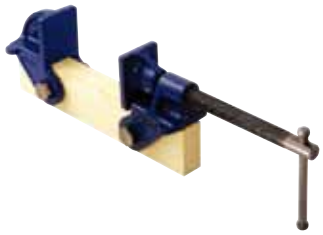
- Resists twisting under pressures up to 1900kg
- Fixed head fitted square to bar with 1.5˚–2˚ taper for a true parallel clamping action
- Durable steel handle and mainscrew
- Fast action rolled twin start acme thread for strength and wear resistance
- Drilled feet for bench mounting
- L136/6 is a 1220mm lengthening bar

| Item No. | Clamping Capacity | Weight (kg) | |
|---|---|---|---|
| 136/5 | 42"/1070mm | 4.92 | 1 |
| 136/6 | 48"/1220mm | 5.31 | 1 |
| 136/7 | 54"/1370mm | 5.72 | 1 |
| 136/9 | 66"/1680mm | 6.40 | 1 |
| 136/11 | 78"/1980mm | 7.40 | 1 |
| L136/6 | 48"/1220mm Lengthening bar | 3.74 | 1 |

## Sash Clamps

- Heavy duty clamps with 32mm x 6mm bar section
- Fixed head fitted square to bar with 1.5˚–2˚ taper for a true parallel clamping action
- Durable steel handle and mainscrew
- Fast action rolled twin start acme thread for strength and wear resistance
- Flat bottomed — can stand without support
- L135/4 is a 915mm lengthening bar

| Item No. | Clamping Capacity | Weight (kg) | |
|---|---|---|---|
| 135/2 | 24"/610mm | 2.00 | 1 |
| 135/3 | 30"/760mm | 2.10 | 1 |
| 135/4 | 36"/915mm | 2.20 | 1 |
| 135/5 | 42"/1070mm | 2.60 | 1 |
| 135/6 | 48"/1220mm | 2.70 | 1 |
| 135/7 | 54"/1370mm | 3.30 | 1 |
| 135/9 | 66"/1680mm | 3.70 | 1 |
| L135/4 | 36"/915mm Lengthening bar | 1.80 | 1 |



## Clamp Head

- Cast grey iron head and slide
- Fix to wooden battens 25mm x 38mm
- 11.1mm (7/16") holes required for fixing to timber
- Acts as a light duty bar clamp

| Item No. | Clamping Capacity | |
|---|---|---|
| M130 | 25 * 38 mm | 6 |

## Mitre Cutting Corner Clamps

- Solid grey iron construction machined on clamping surfaces
- Adjustable plastic swivel shoe
- Fast action rolled twin start acme thread for strength and wear resistance
- Two countersunk holes for fixing to a wood block
- Ideal for picture framing

| Item No. | Clamping Capacity | |
|---|---|---|
| TM140 | 2" | 1 |
| TM141 | 4-1/4" | 1 |

## Flooring Clamp

- For clamping floor boards ready for nailing - fits 75mm joists
- Body made from cast iron, shoe and cams made from SG ductile iron
- Bevel gears completely enclosed for protection from dirt or damage
- Spring loaded cams for quick release
- Strong location shoe for applying even force to floor boards

| Item No. | Description | |
|---|---|---|
| TMFC153 | Flooring Clamp 3"/75MM | 1 |

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8m/26ft

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8m/26ft
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PROFESSIONAL TAPE MEASURES

# FEATURES

New

## IRWIN® professional tape measures are engineered to provide a comfortable grip and versatile measuring convenience with enhanced features

Double side print

### Double Sided Print with Continuous Numbering Scales

Easy-to-read Metric/Imperial dual scales are imprinted on a low-glare, yellow background with continuous numbering; double-sided print increases measuring efficiency

Nylon coated blade

### Enhanced Durability with 2X Nylon Coating

Shock-resistant soft touch case and double nylon-coated blades offer superior durability and protection against wear and tear

### Non-Slip Rubber Grip with Fast Lock

Enhanced ease-of-use with secure, comfortable grip and one-touch operation for locking/braking

Magnetic hook

### Magnetic Hook

Triple-riveted end hook with magnets offers a convenient, practical way to measure from metal surfaces

### Available in 3 Lengths

Available in 3, 5 and 8 meter lengths with uniquely designed clip for carrying convenience

| Item No. | Description | Length | Width | Stand out | |
|---|---|---|---|---|---|
| 13949 | Professional Tape Measure 3m×16mm (10ft×5/8" ) | 3m/10ft | 16mm/5/8" | 1.4m | 6 |
| 13950 | Professional Tape Measure 5m×19mm (16ft×3/4") | 5m/16ft | 19mm/3/4" | 1.8m | 6 |
| 13951 | Professional Tape Measure 8m×25mm (26ft×1") | 8m/26ft | 25mm/1" | 2.3m | 6 |

TAPE MEASURES

# FEATURES

New

**IRWIN® tape measures are a grade above standard tape measures, with ergonomically designed cases and easy-to-read scales.**

### Easy-to-Read Continuous Numbering Scales

Metric/Imperial dual scales are imprinted on a low-glare, yellow background with continuous numbering

Nylon coated blade

### Durable Casing and Blades

Durable casings and nylon coated blades resist wear and tear

### User Friendly Ergonomic Design

Unique ergonomic design is combined with shock absorbing return stops to enhance measuring tasks

### Available in 3 Lengths

Available in 3, 5 and 8 meter lengths with uniquely designed clip for carrying convenience

| Item No. | Description | Length | Width | Stand out | |
|---|---|---|---|---|---|
| 13946 | Tape Measure 8m×25mm (26ft×1") | 3m/10ft | 16mm/5/8" | 1.2m | 6 |
| 13947 | Tape Measure 5m×19mm (16ft×3/4") | 5m/16ft | 19mm/3/4" | 1.8m | 6 |
| 13948 | Tape Measure 3m×13mm (10ft×1/2") | 8m/26ft | 25mm/1" | 2.3m | 6 |

# Bevels and Squares

Bevelled squares are used for marking out lines, testing squares and angle lengths. Sliding bevels are used for marking angle lengths. All measuring tools are made from aluminium block and with a steel blade. The scales are etched on the surface which ensures long durability and are manufactured according to very fine tolerances, so all IRWIN® measuring tools are very precise.

## Metal Squares

- High quality, long life stainless steel etched blades
- Sliding level point for accurate marking
- Accurate square tolerance 0.1/100mm, blade thickness 1.25mm
- Handles made from a strong diecast aluminium block with ribbed insert for improved gripping

| Item No. | Description | |
|---|---|---|
| 10503543 | Metal Square 250mm | 4 |
| 10503544 | Metal Square 300mm | 4 |
| 10503545 | Metal Square 350mm | 4 |

## Metal Bevels

- High quality, long life stainless steel blades
- Designed for free and easy movement and positive locking positions
- Accurate square tolerance 0.1/100mm, blade thickness 1.25mm

| Item No. | Description | |
|---|---|---|
| 10503546 | Metal Sliding Bevel 250mm | 4 |
| 10503547 | Metal Sliding Bevel 300mm | 4 |

## Rosewood Squares

IRWIN® Marples®

- Plantation grown rosewood
- Hardened steel blades secured by steel washers with brass rivets
- Tested for accuracy — exceeds British Standard on both internal and external angles
- M2200 range is faced with brass for even harder wearing and accuracy

| Item No. | Description | |
|---|---|---|
| M2200/6 | Tri Square with Brass Plate 150mm | 6 |
| M2200/12 | Tri Square with Brass Plate 300mm | 6 |
| MR2208/6 | Tri Square 150mm | 6 |
| MR2210 | Mitre Square 250mm | 1 |

## Rosewood Bevel

- Plantation grown rosewood
- Hardened steel blade - can be locked in any position with thumb screw
- For marking regular and irregular angles

| Item No. | Description | |
|---|---|---|
| M2226/10-1/2 | Sliding Bevel 225mm | 4 |

## Speedline PRO™ Chalk Reel

- 3.5:1 gear ratio with clutch
- Lightweight ABS plastic housing and metal handle
- 30m length line
- Chalk refill cap - 1/4 turn tightens securely
- Wide-prong steel hook for secure anchoring

| Item No. | Line Length(m) | Gear Ratio | Line Material | Case Material | |
|---|---|---|---|---|---|
| 10507676 | 30 | 3.5:1 | Nylon/Polyester Line | ABS | 1 |

## Aluminum Chalk Reel

- 1:1 gear ratio
- Durable heavy duty aluminium housing
- 30m length line
- Twisted cotton line for multiple strikes
- Leak-proof side fill opening
- Holds approximately 50g of chalk
- Retractable self locking metal handle

| Item No. | Line Length(m) | Gear Ratio | Line Material | Case Material | |
|---|---|---|---|---|---|
| 10507679 | 30 | 1:1 | Nylon/Polyester Line | Aluminum | 1 |

## Marking Chalk

- For use on a variety of surfaces including wood, plasterboard, concrete, stone and metal
- Easy to open flip-top cap

| Item No. | Time length | Colour | Weight | |
|---|---|---|---|---|
| 64801ZR | 1 week | Blue | 113g | 6 |
| 64802 | 3 week | Red | 227g | 6 |
| 64901 | 1 week | Blue | 113g | 6 |
| 64902 | 3 week | Red | 227g | 6 |

## Chalk Reel Sets

| Item No. | Line Length(m) | Gear Ratio | Line Material | Case Material | Colour/Weight | |
|---|---|---|---|---|---|---|
| 10507684 | 30 | 6:1 | 2X Nylon/Polyester Line | Aluminum | Blue 113g | 1 |
| 10507682 | 30 | 3.5:1 | 2X Nylon/Polyester Line | ABS/Aluminum | Blue 113g | 1 |

10507684

10507682

## Carpenter's Pencils and Sharpener

- For temporary marking on timber and concrete surfaces
- 178mm length

| Item No. | Description | Package | |
|---|---|---|---|
| 66300 | Carpenter's Medium Pencil | 12pc/case | 1 |
| 233250 | Pencil Sharpener | 25pc/case | 1 |

## Marking Crayons

- For marking on timber and concrete surfaces
- Suitable for timber concrete, ceramics, rubber, metal, paper and cardboard
- Wax based and non-toxic
- Waterproof marking for long life
- Overall length 115mm

| Item No. | Colour | Package | |
|---|---|---|---|
| 66401 | Red | 12pc/case | 1 |
| 66406 | Yellow | 12pc/case | 1 |

IRWIN
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## The Choice of Professional Tradesman Since 1933

**In 1933, a young man by the name of Hans Schroder set up as a wholesaler in Copenhagen, Denmark. During the first few years he kept his focus on selling general hand tools, but in 1938 he started to also manufacture saws.**

**Amongst his friends and business associates Han Schroder was known simply as Jack, and before long, the "Jack" name had become synonymous with the production of high quality saws.**

**Irwin® Jack® has been at the forefront of many advances with the development of the market leading Jack® 880 Universal triple ground technology.**

# XPERT Handsaws

The XPERT saw range takes wood cutting to whole new levels of comfort and performance. Designed for Professionals – The XPERT saw range has a specific saw for every material and application.

XPERT HANDSAWS
## FEATURES

- Triple-ground teeth for ultimate cutting performance
- 1mm rigid blade for maximum stability
- Deep gullets for enhanced performance & greater volume removal of waste material (Coarse saw only)
- Fine nose teeth for easy start (Universal Toolbox Saw only)
- Soft-grip handle with finger guide for maximum comfort in prolonged use
- Hard point teeth for longer life
- High quality C75 steel blade that is stable and ensures maximum power transfer
- Water based lacquer gives four times better rust protection than traditional lacquer

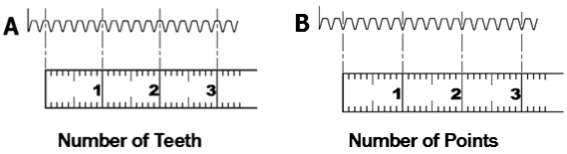
## XPERT Universal Saws

- Triple Ground Tooth technology for clean, fast and easy cutting
- Universal toothing will cut across and with the grain
- Ideal for soft woods and board materials

| Item No. | Size | Tooth Count | |
|---|---|---|---|
| 10505541 | 22"/550mm | 8T/9P | 4 |
| 10505543 | 22"/550mm | 10T/11P | 4 |

### TPI/PPI

The fineness/coarseness of the saw is expressed in either number of teeth per inch or number of points per inch. Many teeth/points per inch will give a fine cut. Few teeth/points per inch will give a coarse and faster cut.




A - Number of teeth is measured from gullet to gullet.

(Example A shows 5 teeth per inch)

B - Number of points is measured from tooth point to tooth point.

(Example B shows 6 points per inch.)

## XPERT Coarse Saw

- Triple Ground Tooth technology for clean, fast and easy cutting
- Deep gullets enhances performance through superior waste removal
- Ideal for plasterboard, MDF, particle board and other glued composite materials

| Item No. | Size | Tooth Count | |
|---|---|---|---|
| 10505542 | 22"/550mm | 8T/9P | 4 |

## XPERT Masonry Saws

- Wear-resistant thanks to carbide tipped models
- Specially designed for cutting light concrete and similar materials

| Item No. | Size | Tooth Count | |
|---|---|---|---|
| 10505548 | 28"/700mm | 2T/2P (Hardpoint Teeth) | 4 |
| 10505549 | 28"/700mm | 2T/2P (1/2 Carbide Tipped) | 4 |

## XPERT Cross Saw

- Designed for coarse jobs where high speed is preferred and a coarse cut is acceptable
- Suitable for cutting poles, temporary support beams and similar coarse jobs
- Supplied with non-hardened teeth and can be re-sharpened

| Item No. | Size | Tooth Count | |
|---|---|---|---|
| 10503531 | 24"/600mm | 3.5T/4P | 4 |

## XPERT Keyhole Saw

- For difficult to reach areas and cutting round holes

| Item No. | Size | Tooth Count | |
|---|---|---|---|
| 10503532 | 12"/300mm | 7T/8P | 4 |

## XPERT Floorboard/Veneer Saw

- Recommended for cutting wood, moulding, PVC pipe and guttering
- Round nose with cutting teeth enables cut to start in middle of sheet

| Item No. | Size | Tooth Count | |
|---|---|---|---|
| 10503533 | 13"/325mm | 12T/13P | 4 |

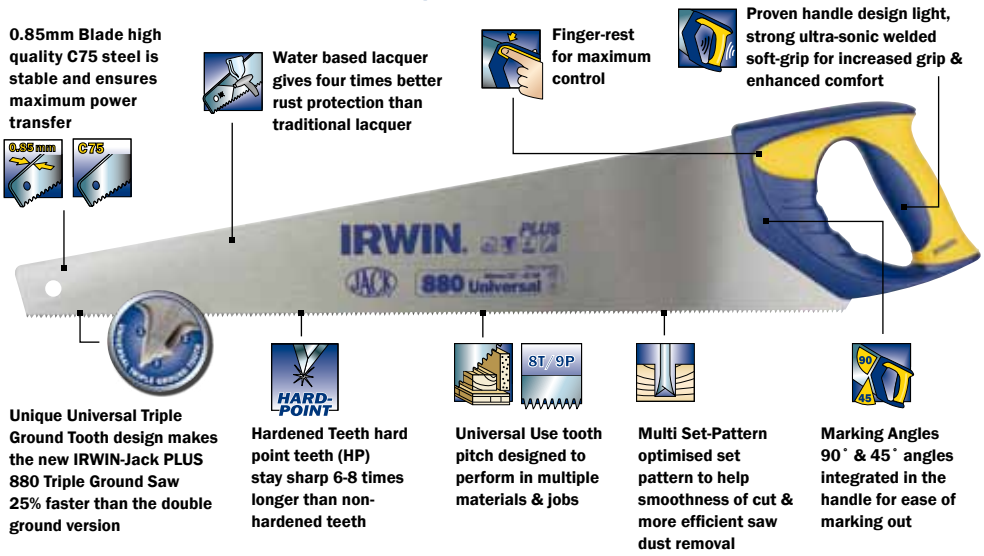
## XPERT Tenon Saws

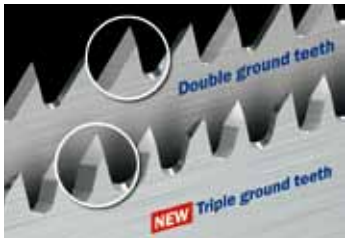
- Fine hard point teeth for precision cuts — recommended for use with mitre boxes
- Reinforced back for added stability

| Item No. | Size | Tooth Count | |
|---|---|---|---|
| 10507424 | 10"/250mm | 12T/13P | 4 |
| 10503534 | 13"/325mm | 12T/13P | 4 |
| 10503535 | 14"/350mm | 12T/13P | 4 |

# PLUS 880 Universal Triple Ground Saw

**The new IRWIN® Universal Triple Ground Tooth is designed to improve cutting performance and reflects latest market requirements.**




1. Triple Ground
The new IRWIN® Universal Triple Ground Tooth builds on the characteristics of the compact and robust PLUS 880 Universal Double Ground Tooth
2. Additional Ground Edge
The additional third ground edge improves cutting performance on both forward & backward strokes
3. Increased Gullet Size
The increased gullet size facilitates more efficient saw dust removal
4. Optimised Set Pattern
The optimised tooth set pattern delivers a smoother and more efficient cut whilst improving the ease of start

## PLUS 880 Universal Saws

| Item No. | Series | Size | Tooth Count | |
|---|---|---|---|---|
| 10503622 | PLUS 880 | 16"/400mm | 8T/9P | 4 |
| 10503623 | PLUS 880 | 18"/450mm | 8T/9P | 4 |
| 10503624 | PLUS 880 | 20"/500mm | 8T/9P | 4 |
| 10503625 | PLUS 880 | 22"/550mm | 8T/9P | 4 |

## ENTRY 880 Saws

- Light and strong handle
- Sharp, straight-ground hard point teeth stay sharp 6-8times longer than unhardened teeth
- Stable saw blade of cold-rolled quality steel
- Water based lacquer gives four times better rust protection than traditional lacquer

| Item No. | Series | Size | Tooth Count | |
|---|---|---|---|---|
| 10505307 | ENTRY 880 | 20"/500mm | 7T/8P | 4 |
| 10505308 | ENTRY 880 | 22"/550mm | 7T/8P | 4 |
| 10505309 | ENTRY 880 | 22"/550mm | 7T/8P (Cross-Cut) | 4 |

## ProTouch™ Plasterboard Saw

- Ergonomic ProTouch™ handle for safety, durability and comfort
- Hardened and tempered 1.5mm blade
- Sharpened tip for easy punching through plaster
- 8T/9P triple ground teeth for aggressive cuts on push and pull stroke

| Item No. | Size | Tooth Count | |
|---|---|---|---|
| 10505705 | 6-1/2" (165 mm) | 8T/9P | 4 |

## Plasterboard Saw

- Ergonomic handle for superior comfort
- Extra sharp tip provides easy entry to plasterboard

| Item No. | Size | Tooth Count | |
|---|---|---|---|
| 106-150 | 6" (150 mm) Standard | 7PT | 20 |

7-250/9-250/13-250

10505707

## Dovetail Saws

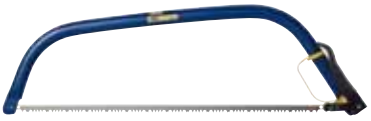
- Fine steel, reinforced back and fine toothing
- 10505707 with reversible handle

| Item No. | Size | |
|---|---|---|
| 10505707 | 9"/225mm | 4 |
| 7-250 | 10"/250mm | 10 |
| 9-250 | 10"/250mm | 10 |
| 13-250 | 10"/250mm | 10 |

## Pruning Saws

- Razor sharp hard point teeth
- High quality blade construction
- Handle designed to take extension pole for high cutting
- Fastened with two screws for maximum life
- Curved blade cuts on the pull stroke only

| Item No. | Size | |
|---|---|---|
| NA2072-330-000 | 13"/330mm | 6 |



## XPERT Bow Saws

- Precision filed and hardened teeth cut on pull and push stroke
- Tooth configurations for green and dry wood
- Manufactured with high frequency welded steel tubing to maintain blade tension
- Extra strong latches ensure optimal blade tension and hand protection while working

| Item No. | Size | Blade in pack | |
|---|---|---|---|
| XP1624-533-000 | 21"/533mm | Green wood | 5 |
| XP1124-610-000 | 24"/610mm | Green wood | 5 |
| XP1124-762-000 | 30"/762mm | Green wood | 5 |

## Combo Saw - Bow Saw/Hacksaw

- Includes wood blade and metal hacksaw blade
- Fine tooth design for a smooth cut
- Handle designed for easy blade replacement

| Item No. | Description | |
|---|---|---|
| XP1211-300-000 | Combo Saw 12"/300mm | 10 |
| XP3011-300-000 | Replacement Combo Saw Blade | 10 |

## Basic Bow Saws

- Precision filed, double ground saw teeth cut on pull and push stroke
- Hard point teeth last 6–8X longer than unhardened saw teeth
- Hook and clasp design for quick, easy, tool-free blade change

| Item No. | Description | Size | |
|---|---|---|---|
| BA1320-533-000 | Round Frame, Hard teeth point, dry wood | 21"/533mm | 12 |
| BA1220-610-000 | Oval Frame, Hard teeth point, dry wood | 24"/610mm | 12 |
| BA1220-762-000 | Oval Frame, Hard teeth point, dry wood | 30"/762mm | 12 |
| BA1224-610-000 | Oval Frame, Hard teeth point, green wood | 24"/610mm | 12 |
| BA1224-762-000 | Oval Frame, Hard teeth point, green wood | 30"/762mm | 12 |

## XPERT Bow Saw Blades

- Hard point teeth last 6-8X longer than non-hardened teeth

| Item No. | Size | Type of wood | |
|---|---|---|---|
| XP3020-533-000 | 21"/533mm | Dry Wood | 10 |
| XP3020-610-000 | 24"/610mm | Dry Wood | 10 |
| XP3020-762-000 | 30"/762mm | Dry Wood | 10 |
| XP3024-533-000 | 21"/533mm | Green Wood | 10 |
| XP3024-610-000 | 24"/610mm | Green Wood | 10 |
| XP3024-762-000 | 30"/762mm | Green Wood | 10 |

ORIGINAL EST. BLISHED '00
RUTH

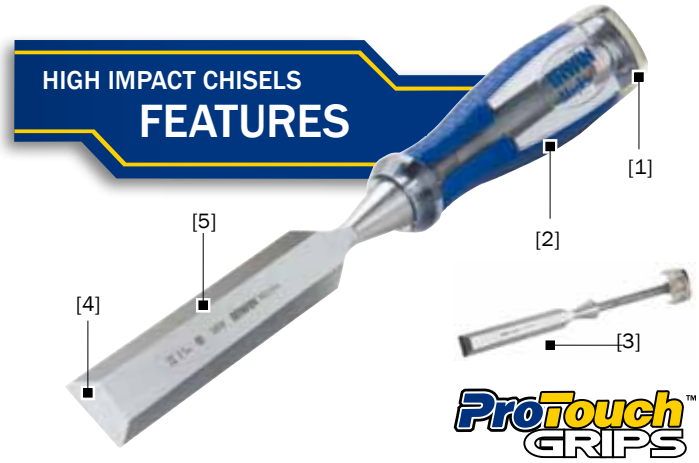
## The Choice of Professional Tradesman Since 1828

**At the heart of quality craftsmanship lies the rich heritage of Marples® woodworking tools. Originating in 1828 in Sheffield, England, the Marples® brand has consistently stood for superior performance and ultimate precision in fine woodworking. Founder William Marples® came from a long lineage of master craftsmen in the joinery and edge tool trades and after serving as an apprentice to his father, he established William Marples® and Sons Limited.**

**Using only the finest materials and hiring only the most skilled workers, Marples® had his name stamped into every product as a sign of his confidence in the quality and craftsmanship of each tool. Today, IRWIN® continues the tradition of quality with the introduction of the Marples® Chisels range.**

# M750 High Impact Chisels

The High Impact Chisel features a fully-forged core for unbeatable durability and strength while still providing the same high quality cutting performance. With an extra-large strike cap to withstand hammer pounding at multiple angles and a ProTouch™ over-mold grip for added ergonomic comfort, the High Impact Chisel is constructed with a split-proof acetate handle for reinforced handle toughness.




1. Extra large strike cap for use with hammers at different angles
2. Split-proof acetate handle for reinforced toughness
3. Fully forged steel core to better transfer energy from handle to blade
4. Blade hardened and tempered for long chisel life
5. Best in category steel quality for superior sharpness and edge retention

10503419

10503421

## M750 High Impact Chisels - Single

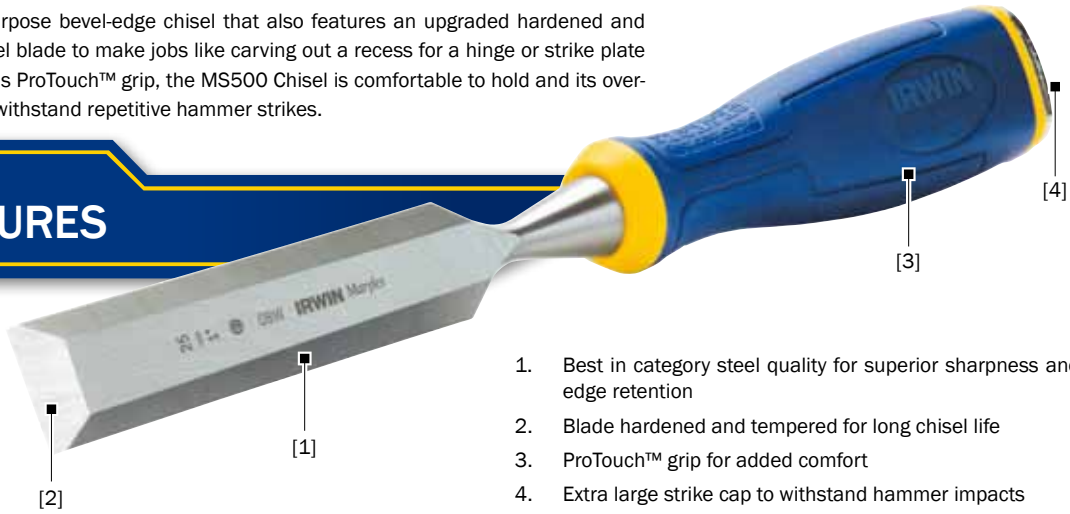
| Item No. | Description | |
|---|---|---|
| 10501671 | M750 High Impact Chisel - 1/8" / 3mm | 4 |
| 10501673 | M750 High Impact Chisel - 1/4" / 6mm | 4 |
| 10501674 | M750 High Impact Chisel - 8mm | 4 |
| 10501675 | M750 High Impact Chisel - 3/8" / 10mm | 4 |
| 10501676 | M750 High Impact Chisel - 12mm | 4 |
| 10501677 | M750 High Impact Chisel - 1/2" / 13mm | 4 |
| 10501678 | M750 High Impact Chisel - 14mm | 4 |
| 10501679 | M750 High Impact Chisel - 15mm | 4 |
| 10501680 | M750 High Impact Chisel - 5/8" / 16mm | 4 |
| 10501681 | M750 High Impact Chisel - 18mm | 4 |
| 10501682 | M750 High Impact Chisel - 3/4" / 19mm | 4 |
| 10501683 | M750 High Impact Chisel - 20mm | 4 |
| 10501684 | M750 High Impact Chisel - 22mm | 4 |
| 10501685 | M750 High Impact Chisel - 1" / 25mm | 4 |
| 10501686 | M750 High Impact Chisel - 26mm | 4 |
| 10501687 | M750 High Impact Chisel - 28mm | 4 |
| 10501688 | M750 High Impact Chisel - 30mm | 4 |
| 10501689 | M750 High Impact Chisel - 1-1/4" / 32mm | 4 |
| 10501690 | M750 High Impact Chisel - 35mm | 2 |
| 10501691 | M750 High Impact Chisel - 1-1/2" / 38mm | 2 |
| 10501693 | M750 High Impact Chisel - 2" / 51mm | 2 |

## M750 High Impact Chisels - Sets

| Item No. | Description | |
|---|---|---|
| 10503419 | M750 High Impact Chisel Set – 3pc | 4 |
| 10503421 | M750 High Impact Chisel Set – 5pc (Wallet) | 4 |

# MS500 Chisels

MS500 Chisel is an all-purpose bevel-edge chisel that also features an upgraded hardened and tempered high carbon steel blade to make jobs like carving out a recess for a hinge or strike plate easy and accurate. With it's ProTouch™ grip, the MS500 Chisel is comfortable to hold and its over-sized steel strike cap can withstand repetitive hammer strikes.




MS500 CHISELS
## FEATURES

1. Best in category steel quality for superior sharpness and edge retention
2. Blade hardened and tempered for long chisel life
3. ProTouch™ grip for added comfort
4. Extra large strike cap to withstand hammer impacts

## MS500 Chisels - Single

| Item No. | Description | |
|---|---|---|
| 10501698 | MS500 Chisel - 1/4" / 6mm | 4 |
| 10501699 | MS500 Chisel - 8mm | 4 |
| 10501700 | MS500 Chisel - 3/8" / 10mm | 4 |
| 10501701 | MS500 Chisel - 12mm | 4 |
| 10501702 | MS500 Chisel - 1/2" / 13mm | 4 |
| 10501703 | MS500 Chisel - 14mm | 4 |
| 10501704 | MS500 Chisel - 15mm | 4 |
| 10501705 | MS500 Chisel - 5/8" / 16mm | 4 |
| 10503666 | MS500 Chisel - 18mm | 4 |
| 10501706 | MS500 Chisel - 3/4" / 19mm | 4 |
| 10501707 | MS500 Chisel - 20mm | 4 |
| 10503667 | MS500 Chisel - 22mm | 4 |
| 10501708 | MS500 Chisel - 1" / 25mm | 4 |
| 10501709 | MS500 Chisel - 26mm | 4 |
| 10503668 | MS500 Chisel - 28mm | 4 |
| 10501710 | MS500 Chisel - 30mm | 4 |
| 10503669 | MS500 Chisel - 1-1/4" / 32mm | 4 |
| 10503423 | MS500 Chisel - 35mm | 2 |
| 10503670 | MS500 Chisel - 1-1/2" / 38mm | 2 |
| 10503425 | MS500 Chisel - 2" / 51mm | 2 |

10503426

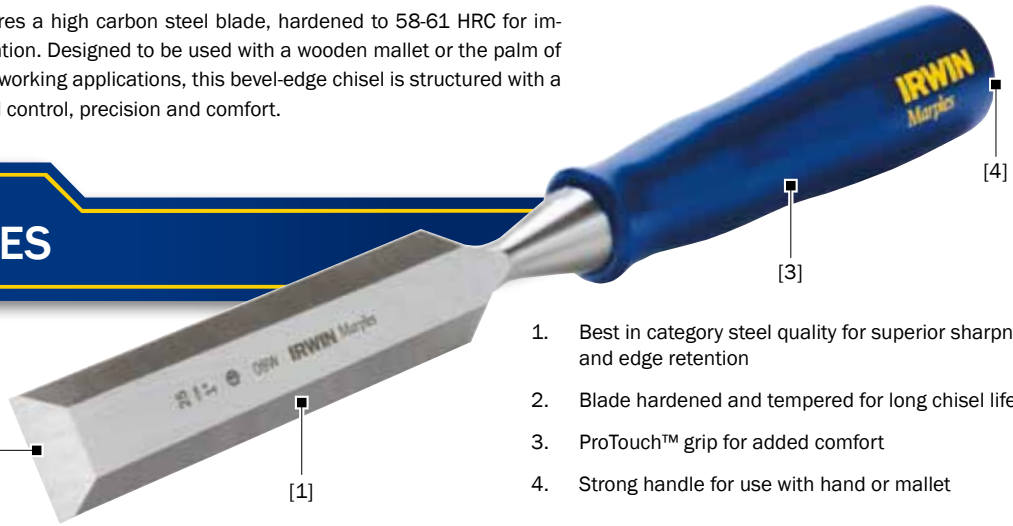
## MS500 Chisels - Sets

| Item No. | Description | |
|---|---|---|
| 10503426 | MS500 Chisel Set – 3pc (Wallet) - 1/2", 3/4", 1" | 4 |
| 10503428 | MS500 Chisel Set – 5pc (Wallet) - 1/4", 3/8", 1/2", 3/4", 1" | 4 |
| 10503429 | MS500 Chisel Set – 5pc (Wallet) - 6mm, 10mm, 15mm, 20mm, 25mm | 4 |
| 10503430 | MS500 Chisel Set – 6pc (Wooden box) - 1/4", 3/8", 1/2", 3/4", 1", 1-1/4" | 1 |
| 10503431 | MS500 Chisel Set – 6pc (Wooden box) - 6mm, 10mm, 12mm, 16mm, 20mm, 26mm | 1 |

10503430

# M444 Chisels

M444 Woodworking Chisel features a high carbon steel blade, hardened to 58-61 HRC for improved sharpness and edge retention. Designed to be used with a wooden mallet or the palm of the hand for traditional fine woodworking applications, this bevel-edge chisel is structured with a slim, ergonomic handle for added control, precision and comfort.




## M444 CHISELS FEATURES

1. Best in category steel quality for superior sharpness and edge retention
2. Blade hardened and tempered for long chisel life
3. ProTouch™ grip for added comfort
4. Strong handle for use with hand or mallet

ProTouch™ GRIPS

## M444 Chisels - Single

| Item No. | Description | |
|---|---|---|
| M444/-1/8 | M444 Chisel - 1/8" / 3mm | 4 |
| M444/-1/4 | M444 Chisel - 1/4" / 6mm | 4 |
| M444/-3/8 | M444 Chisel - 3/8" / 10mm | 4 |
| M444/-1/2 | M444 Chisel - 1/2" / 13mm | 4 |
| M444/-5/8 | M444 Chisel - 5/8" / 16mm | 4 |
| M444/-3/4 | M444 Chisel - 3/4" / 19mm | 4 |
| M444/1 | M444 Chisel - 1" / 25mm | 4 |
| M444/1-1/4 | M444 Chisel - 1-1/4" / 32mm | 4 |
| M444/1-1/2 | M444 Chisel - 1-1/2" / 38mm | 2 |
| M444/2 | M444 Chisel - 2" / 51mm | 2 |

M444/S3

## M444 Chisels - Sets

| Item No. | Description | |
|---|---|---|
| M444/S3 | M444 Chisel Set - 3pc - 1/2", 3/4", 1" | 4 |
| M444/S4 | M444 Chisel Set - 4pc - 1/4", 1/2", 3/4", 1" | 4 |
| M444/S5 | M444 Chisel Set - 5pc - 1/4", 3/8", 1/2", 3/4", 1" | 4 |
| M444/S6 | M444 Chisel Set - 6pc (Wooden box) - 1/4", 3/8", 1/2", 5/8", 3/4", 1" | 1 |

M444/S6

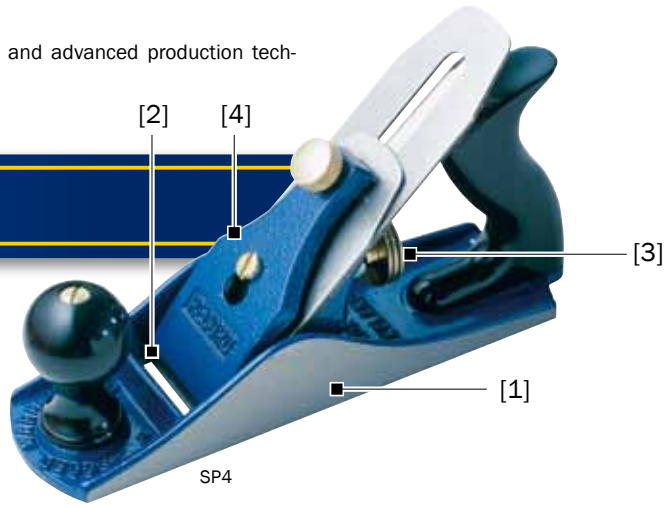
IRWIN
QUICK GRIP

# Woodworking Planes

IRWIN® Record® bring decades of experience, well proven design and advanced production techniques to produce this fine range of woodworking planes.

## SP4 WOODWORKING PLANES
## FEATURES

1. Cast fine-grained grey iron & CNC machined body
2. Razor sharp high speed steel blade
3. Brass adjusting nut for fine setting
4. Robust lever cap for secure location of the cutting iron



SP4

## Bench Planes

- Jack Plane designed for the initial preparation of rough timber
- Smoothing Plane used for smoothing and final finishing
- Joiner Plane used for preparing extra long rough timber

| Item No. | Type | Length ( mm ) | Cutter Width ( mm ) | Weight ( kg) | |
|---|---|---|---|---|---|
| 04 | Smoothing Plane/Wooden Handle (Boxed) | 245 | 50 | 1.89 | 1 |
| SP4 | Smoothing Plane/Plastic Handle (Blister Pack) | 245 | 50 | 2.63 | 4 |
| 05 | Jack Plane/Wooden Handle (Boxed) | 355 | 50 | 1.84 | 1 |
| SP5 | Jack Plane/Plastic Handle (Blister Pack) | 355 | 50 | 2.5 | 4 |
| 07 | Jointer Plane/Wooden Handle (Boxed) | 560 | 60 | 3.7 | 1 |

## Rebate Planes

- Designed to cut rebates up to 38mm
- Adjustable fence mounted on two guide rods for exact alignment
- Complete with spur for cross grain cutting and an accurate depth stop

| Item No. | Length ( mm ) | Cutter Width ( mm ) | Weight ( kg) | |
|---|---|---|---|---|
| 778 | 215 | <38 | 1.32 | 1 |

## Spokeshaves

- Flat face used for chamfering and shaping
- Round face used for convex and concave surfaces
- High speed steel cutter
- Lateral and vertical adjustment

| Item No. | Type | Length ( mm ) | Cutter Width ( mm ) | Weight ( kg) | |
|---|---|---|---|---|---|
| A151 | Flat | 250 | 54 | 0.42 | 4 |
| A151R | Round | 250 | 54 | 0.4 | 4 |

## Block Planes

- For use by craftsmen and cabinet makers
- Excellent fine finish on end grain, satin smooth finish on straight grain
- Adjustable mouth for coarse and fine work
- Cutter blade held firmly in place by lever cap
- Machined base and sides for accuracy
- Lateral adjusting lever for cutting alignment

| Item No. | Pitch | Length ( mm ) | Cutter Width ( mm ) | |
|---|---|---|---|---|
| 060-1/2 | 12.5 | 150 | 42 | 4 |
| 09-1/2 | - | 150 | 42 | 4 |

## Replacement plane cutters

| Item No. | Suitable Planes | |
|---|---|---|
| SI 2 | S04, S05, SP4, SP5 | 6 |
| SI 2-3/8 | S04, S05, S07 | 6 |
| 0220-D | 09-1/2, 060-1/2 | 1 |
| 778-D | 778 | 1 |

## Bradawls

| Item No. | Description | |
|---|---|---|
| M1838/C12 | Bradawl Wooden Handled (12pc/pack) | 1 |

## Gauges

IRWIN. Marples.

- Fitted with durable hardened steel spurs
- Plantation grown rosewood and quality brass fittings
- Used to scribe parallel lines along the grain
- M2153 has a single spur on top of stem and two on underside
- M2154 features thumbscrew adjusted slide and brass facing strips for accuracy and fine adjustment

| Item No. | Description | |
|---|---|---|
| M2153 | Mortice & Marking Gauges | 4 |
| M2154 | Mortice & Marking Gauges | 1 |
| MR2049 | Marking Gauges | 4 |
| M2083 | Cutting Gauges | 4 |

## Cabinet Scrapers

- Ensure the highest quality finish

| Item No. | Description | |
|---|---|---|
| M2452 | Gooseneck Scraper | 6 |
| M2453 | Hollow Scraper | 6 |

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# PRO Structural Foam Toolbox

- Industrial strength structural foam construction withstands temperatures below zero
- Increased storage capacity 3/4-length removable tray allows for storage of tall objects in box
- Lid access storage secures small parts
- Comfortable grip rubberised handle
- Rainproof design all hardware attached without penetrating interior space
- Easier lifting extra handle grips on sides
- Quick access storage easy access on both sides for IRWIN set cases for frequently used tools
- Secure closure rust-resistant metal latches
- Padlock Ready built-in eye

10503817

## Soft-Side Tool Organiser

10505369

- Lightweight 600 denier polyester material for durability and comfort
- Long enough to carry saws and pockets for other tools

## Double Wide Tool Bag

10506531

- Lightweight 600 denier polyester material for durability and comfort
- Two large separate compartments for tool separation and organisation
- Three exterior front cargo pockets, four large side pockets and three large back pockets for extra storage
- Double wall constructed for all-weather use
- Removable accessory zippered pouch for storage of smaller items and interior sleeve secures most power drills

## Tool Tote

10506532

- Lightweight 600 denier polyester material for durability and comfort
- Large storage capacity with a wide open tote design for quick tool recognition and easy access
- Eight exterior pockets, tape loop and a metal tape measure holder
- Interior webbed loops and side pockets for vertical storage

## Pro Soft-Side Tool Organiser

10503820

- Lightweight 600 denier polyester material for durability and comfort
- Padded handle features reinforced stiching for extra strength
- Extra wide opening provides easy access to all tools

## Pro Large Tool Organiser

10503818

- Lightweight 600 denier polyester material for durability and comfort
- Large capacity storage with top opening for quick an easy access
- Reinforced handles features extra strength rivets

## Job Tote Open-Top Box

10505371

- Lightweight 600 denier polyester material for durability and comfort
- Sturdy open-top tool organiser
- Useful to transfer tools for specific job from central location

## Pro Utility Tool Organiser

10503819

- Lightweight 600 denier polyester material for durability and comfort
- Enough capacity to carry range of tools and accessories
- Bottom made of tough wear resistant plastic
- Reinforced rivets throughout for added durability

## Builders Nail & Tool Pouch

10506534

- Lightweight 600 denier polyester material for durability and comfort
- Designed to be worn for left or right hand access

## Electrician's Utility Pouch

10503819

- Lightweight 600 denier polyester material for durability and comfort
- Designed for left- or right-handed use
- Back wall slots for long handled tools

| Item No. | Description | Size(mm) | |
|---|---|---|---|
| 10503817 | PRO Structural Foam Toolbox | 760×365×320 | 4 |
| 10505369 | Soft-Side Tool Organiser | 600×260×400 | 1 |
| 10506531 | Double Wide Tool Bag | 500×300×260 | 4 |
| 10506532 | Tool Tote | 420×210×250 | 4 |
| 10503820 | Pro Soft-Side Tool Organiser | 440×285×190 | 4 |
| 10503818 | Pro Large Tool Organiser | 420×350×345 | 4 |
| 10505371 | Job Tote Open-Top Box | 230×230×320 | 1 |
| 10503819 | Pro Utility Tool Organiser | 320×250×350 | 4 |
| 10506534 | Builders Nail & Tool Pouch | 580×430×360 | 5 |
| 10506535 | Electrician's Utility Pouch | 650×540×351 | 5 |

## Extreme Condition Gloves

- Better grip, long life reinforced thumb, palm and fingertips
- Convenient brow wipes Terry cloth inserts
- Knuckles padded with perforated Neoprene
- Ideal use in cold and wet weather

## Heavy-Duty Gloves

- Better grip, long life reinforced thumb, palm and fingertips
- Made of abrasion-resistant materials
- Knuckles padded with perforated Neoprene

## Heavy-Duty Gloves

- Better grip, long life reinforced thumb, palm and fingertips
- Rubberised finger tips for better gripping
- Knuckles padded with perforated Neoprene

## Carpenter Gloves

- Better grip, long life reinforced thumb, palm and fingertips
- Open finger design allow for better dexterity
- Knuckles padded with perforated Neoprene

## All Terrain Professional Kneepad

- Wide-body keeps stance more stable on uneven surfaces
- Foam cushion under pad protects knee from rough surfaces

## I-Gel™ Professional Kneepad

- Absorbs impact with I-Gel™ insert
- Excellent fit and stability adjustable sizing pads on both sides
- Protects surfaces non- marring cap
- Breathability perforated Neoprene material

## Swivel-Flex Professional Kneepad

- Convex cap design provides better pivoting and less resistance
- Giving greater manoeurability across textured surfaces

| Item No. | Description | |
|---|---|---|
| 10503822 | General Construction Work GlovesL | 6 |
| 10503823 | General Construction Work Gloves XL | 6 |
| 10503824 | Extreme Condition Gloves L | 6 |
| 10503825 | Extreme Condition Gloves XL | 6 |
| 10503826 | Heavy-Duty Gloves L | 6 |
| 10503827 | Heavy-Duty Gloves XL | 6 |
| 10503828 | Carpenter Gloves L | 6 |
| 10503829 | Carpenter Gloves XL | 6 |
| 10503830 | I-Gel™ Professional Kneepad | 6 |
| 10503831 | All Terrain Professional Kneepad | 6 |
| 10503832 | Swivel-Flex Professional Kneepad | 6 |

Application

- Compatible with all hammer drilling machines with SDS-plus holder. Designed for drilling in brick, block, masonry, concrete and granite

Drilling Recommendation

- When using drill bits with length over 400mm, pre-drill at least 150mm with a shorter drill bits of the same diameter

### Innovative Head and Tip Geometry

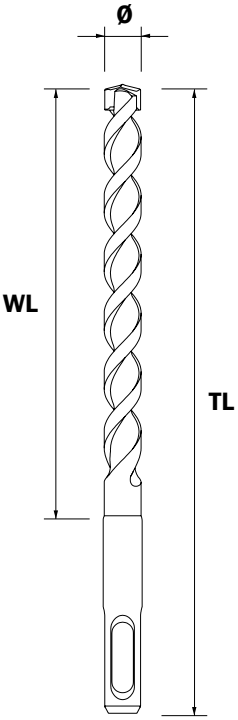
- 25% thicker carbide tip improves strength and durability.
- Aggressive concave cutting angles increase drilling speed by up to 20%
- Extra short drill bit head clears drilling dust directly into flute, reducing the risk of clogging
- Centering point prevents walking

### Surface Treatmen

- Drill bit fully hardened resulting in maximum rupture strength

### Unique Flute Design

- New extra deep, asymmetrical flute design with 28% greater capacity secures a fast dust removal and increases drilling speed




## Speedhammer™ Plus Drill Bits

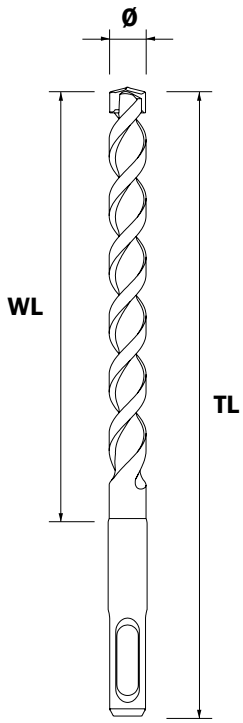
- Fastest IRWIN® Hammer Drill bit ever

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | |
|---|---|---|---|---|
| 10506929 | 4.0 | 50 | 110 | 10 |
| 10507546 | 4.0 | 100 | 160 | 10 |
| 10506931 | 5.0 | 50 | 110 | 10 |
| 10507547 | 5.0 | 100 | 160 | 10 |
| 10507548 | 5.5 | 50 | 110 | 10 |
| 10507549 | 5.5 | 100 | 160 | 10 |
| 10506933 | 6.0 | 50 | 110 | 10 |
| 10506934 | 6.0 | 100 | 160 | 10 |
| 10507551 | 6.0 | 150 | 210 | 10 |
| 10507870 | 6.0 | 200 | 260 | 10 |
| 10506937 | 6.5 | 50 | 110 | 10 |
| 10506938 | 6.5 | 100 | 160 | 10 |
| 10507871 | 6.5 | 150 | 210 | 10 |
| 10506939 | 7.0 | 50 | 110 | 10 |
| 10507006 | 7.0 | 100 | 160 | 10 |
| 10506940 | 8.0 | 50 | 110 | 10 |
| 10506941 | 8.0 | 100 | 160 | 10 |
| 10507552 | 8.0 | 150 | 210 | 10 |
| 10507553 | 8.0 | 200 | 260 | 10 |
| 10507872 | 8.0 | 240 | 300 | 10 |
| 10507873 | 9.0 | 100 | 160 | 10 |
| 10507874 | 9.0 | 150 | 210 | 10 |
| 10506943 | 9.5 | 100 | 160 | 10 |
| 10506944 | 10.0 | 50 | 110 | 10 |
| 10506945 | 10.0 | 100 | 160 | 10 |
| 10506946 | 10.0 | 150 | 210 | 10 |
| 10507554 | 10.0 | 200 | 260 | 10 |
| 10507875 | 10.0 | 240 | 300 | 10 |
| 10507004 | 11.0 | 100 | 160 | 10 |
| 10507876 | 11.0 | 200 | 260 | 10 |
| 10506949 | 12.0 | 100 | 160 | 10 |
| 10506950 | 12.0 | 150 | 210 | 10 |
| 10506951 | 12.0 | 200 | 260 | 10 |
| 10506952 | 12.0 | 240 | 300 | 10 |
| 10507555 | 12.0 | 290 | 350 | 10 |
| 10507877 | 12.0 | 400 | 460 | 10 |
| 10507878 | 12.0 | 540 | 600 | 5 |
| 10506954 | 13.0 | 100 | 160 | 10 |
| 10507557 | 13.0 | 200 | 260 | 10 |
| 10507003 | 13.0 | 240 | 300 | 10 |
| 10507558 | 14.0 | 100 | 160 | 10 |

**(Continue on page 65)**

## Speedhammer™ Plus Drill Bits

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | |
|---|---|---|---|---|
| 10506956 | 14.0 | 150 | 210 | 10 |
| 10507879 | 14.0 | 200 | 260 | 10 |
| 10506957 | 14.0 | 240 | 300 | 10 |
| 10507559 | 14.0 | 290 | 350 | 5 |
| 10506958 | 14.0 | 400 | 460 | 5 |
| 10507560 | 15.0 | 100 | 160 | 10 |
| 10507561 | 15.0 | 170 | 230 | 10 |
| 10507880 | 15.0 | 200 | 260 | 10 |
| 10506960 | 16.0 | 100 | 160 | 10 |
| 10506961 | 16.0 | 150 | 210 | 10 |
| 10506963 | 16.0 | 240 | 300 | 5 |
| 10507562 | 16.0 | 290 | 350 | 5 |
| 10506964 | 16.0 | 400 | 460 | 5 |
| 10507881 | 17.0 | 150 | 210 | 5 |
| 10507563 | 18.0 | 1150 | 210 | 5 |
| 10506966 | 18.0 | 240 | 300 | 5 |
| 10507564 | 18.0 | 290 | 350 | 5 |
| 10507882 | 18.0 | 400 | 460 | 5 |
| 10507565 | 19.0 | 150 | 210 | 5 |
| 10507566 | 19.0 | 240 | 300 | 5 |
| 10507883 | 19.0 | 400 | 460 | 5 |
| 10507567 | 20.0 | 150 | 210 | 5 |
| 10507568 | 20.0 | 200 | 260 | 5 |
| 10507884 | 20.0 | 240 | 300 | 5 |
| 10507569 | 20.0 | 290 | 350 | 5 |
| 10507885 | 20.0 | 400 | 460 | 5 |
| 10507570 | 22.0 | 200 | 260 | 5 |
| 10506972 | 22.0 | 240 | 300 | 5 |
| 10507571 | 22.0 | 290 | 350 | 5 |
| 10507886 | 22.0 | 400 | 460 | 2 |
| 10507887 | 24.0 | 240 | 300 | 1 |
| 10507888 | 24.0 | 400 | 460 | 1 |
| 10507000 | 25.0 | 200 | 260 | 1 |
| 10507889 | 25.0 | 240 | 300 | 1 |
| 10507572 | 25.0 | 290 | 350 | 1 |
| 10507890 | 25.0 | 400 | 460 | 1 |
| 10507573 | 26.0 | 200 | 260 | 1 |
| 10507891 | 26.0 | 240 | 300 | 1 |




## Speedhammer™ Plus Drill Bit Set

| Item No. | Description | |
|---|---|---|
| 10503843 | 5pc Set – 5.5/6/7/8/10mm (in plastic case) | 8 |

## Speedhammer™ Plus Demolition Chisels

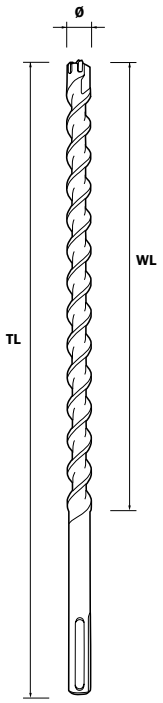
10502194

10502195

| Item No. | Description | |
|---|---|---|
| 10502194 | Pointed Chisel 250mm | 1 |
| 10502195 | Flat Chisel 20 x 250mm | 1 |

- For a wide range of applications for both SDS Plus hammer drills: breaking through, breaking up concrete, light demolition work and chasing of channels for pipes and electrical conduit
- Application: concrete and masonry
- Grey sandblasted professional finish

- IRWIN® tip design enhances dust removal and provides symmetrical holes
- Head takes 80% of the workload, ensuring higher durability, speed and rebar performance
- 53° drilling dead design means more aggressive cutting and faster dust
- 4-cutter tips for less vibration, faster drilling, rounder holes and better anchoring
- Single Flute design for faster dust removal and increased drilling speed
- Shank fits in all SDS-Max hammer machines



## Speedhammer™ Max Drill bits – 2 cutting Edges

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | |
|---|---|---|---|---|
| 10502092 | 12.0 | 200 | 340 | 1 |
| 10502093 | 12.0 | 400 | 540 | 1 |
| 10502094 | 12.0 | 550 | 690 | 1 |
| 10502095 | 14.0 | 200 | 340 | 1 |
| 10502096 | 14.0 | 400 | 540 | 1 |
| 10502097 | 15.0 | 200 | 340 | 1 |
| 10502098 | 15.0 | 400 | 540 | 1 |

## Speedhammer™ Max Drill bits – 4 cutting Edges

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | |
|---|---|---|---|---|
| 10502099 | 16.0 | 200 | 340 | 1 |
| 10502100 | 16.0 | 400 | 540 | 1 |
| 10502101 | 18.0 | 200 | 340 | 1 |
| 10502102 | 18.0 | 400 | 540 | 1 |
| 10502103 | 20.0 | 200 | 320 | 1 |
| 10502104 | 20.0 | 400 | 520 | 1 |
| 10502105 | 20.0 | 800 | 920 | 1 |
| 10502106 | 22.0 | 200 | 320 | 1 |
| 10502107 | 22.0 | 400 | 520 | 1 |
| 10502108 | 22.0 | 800 | 920 | 1 |
| 10502109 | 24.0 | 200 | 320 | 1 |
| 10502110 | 24.0 | 400 | 520 | 1 |
| 10502111 | 25.0 | 200 | 320 | 1 |
| 10502112 | 25.0 | 400 | 520 | 1 |
| 10502113 | 25.0 | 800 | 920 | 1 |
| 10502115 | 28.0 | 250 | 370 | 1 |
| 10502116 | 28.0 | 450 | 570 | 1 |
| 10502117 | 28.0 | 550 | 670 | 1 |
| 10502118 | 30.0 | 250 | 370 | 1 |
| 10502119 | 30.0 | 450 | 570 | 1 |
| 10502120 | 32.0 | 250 | 370 | 1 |
| 10502121 | 32.0 | 450 | 570 | 1 |
| 10502122 | 32.0 | 800 | 920 | 1 |
| 10502123 | 35.0 | 250 | 370 | 1 |
| 10502124 | 35.0 | 450 | 570 | 1 |
| 10502125 | 35.0 | 550 | 670 | 1 |
| 10502126 | 38.0 | 250 | 370 | 1 |
| 10502127 | 38.0 | 450 | 570 | 1 |
| 10502128 | 40.0 | 250 | 370 | 1 |
| 10502129 | 40.0 | 450 | 570 | 1 |
| 10502130 | 40.0 | 800 | 920 | 1 |

## Speedhammer™ Max Demolition Chisels

| Item No. | Description | |
|---|---|---|
| 10502184 | Pointed Chisel 280mm | 1 |
| 10502185 | Pointed Chisel 400mm | 1 |
| 10502187 | Flat Chisel 25 x 280mm | 1 |
| 10502188 | Flat Chisel 25 x 400mm | 1 |
| 10502190 | Spade Chisel 115 x 350mm | 1 |
| 10502192 | Spade Chisel 80 x 300mm | 1 |

## Masonry Drill Bits

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | |
|---|---|---|---|---|
| 10501812 | 3.0 | 40 | 70 | 10 |
| 10501813 | 3.5 | 45 | 75 | 10 |
| 10501814 | 4.0 | 45 | 80 | 10 |
| 10501815 | 4.0 | 115 | 160 | 10 |
| 10501816 | 4.5 | 45 | 85 | 10 |
| 10501817 | 5.0 | 50 | 90 | 10 |
| 10501818 | 5.0 | 115 | 160 | 10 |
| 10501819 | 5.5 | 55 | 95 | 10 |
| 10501820 | 5.5 | 115 | 160 | 10 |
| 10501821 | 6.0 | 60 | 100 | 10 |
| 10501822 | 6.0 | 115 | 160 | 10 |
| 10501823 | 6.0 | 280 | 330 | 10 |
| 10501824 | 6.0 | 300 | 400 | 10 |
| 10501825 | 6.0 | 500 | 600 | 10 |
| 10501826 | 6.5 | 60 | 105 | 10 |
| 10501827 | 6.5 | 115 | 160 | 10 |
| 10501828 | 6.5 | 280 | 330 | 10 |
| 10501829 | 6.5 | 300 | 400 | 10 |
| 10503846 | 6.5 | 550 | 600 | 1 |
| 10501830 | 7.0 | 65 | 110 | 10 |
| 10501831 | 7.0 | 115 | 160 | 10 |
| 10501833 | 7.5 | 62 | 115 | 10 |
| 10501834 | 8.0 | 70 | 120 | 10 |
| 10501835 | 8.0 | 110 | 160 | 10 |
| 10501836 | 8.0 | 130 | 200 | 10 |
| 10501837 | 8.0 | 280 | 330 | 10 |
| 10501838 | 8.0 | 300 | 400 | 10 |
| 10501839 | 8.0 | 500 | 600 | 10 |
| 10501840 | 8.5 | 75 | 125 | 10 |
| 10501841 | 9.0 | 80 | 130 | 10 |
| 10501842 | 9.5 | 85 | 135 | 10 |
| 10501843 | 9.5 | 100 | 160 | 10 |
| 10501844 | 9.5 | 270 | 330 | 10 |
| 10501845 | 9.5 | 300 | 400 | 10 |
| 10501846 | 10.0 | 90 | 140 | 10 |
| 10501847 | 10.0 | 110 | 160 | 10 |
| 10501848 | 10.0 | 130 | 200 | 10 |
| 10501849 | 10.0 | 280 | 330 | 10 |
| 10501850 | 10.0 | 300 | 400 | 10 |
| 10501851 | 10.0 | 500 | 600 | 10 |
| 10501852 | 10.0 | 900 | 1000 | 1 |
| 10501853 | 11.0 | 105 | 160 | 10 |
| 10501854 | 12.0 | 105 | 160 | 10 |
| 10501855 | 12.0 | 280 | 330 | 10 |
| 10501856 | 12.0 | 300 | 400 | 10 |
| 10501857 | 12.0 | 500 | 600 | 10 |
| 10501858 | 12.0 | 900 | 1000 | 1 |
| 10501859 | 13.0 | 100 | 160 | 10 |
| 10501860 | 13.0 | 270 | 330 | 10 |
| 10501861 | 13.0 | 300 | 400 | 10 |
| 10501862 | 14.0 | 100 | 160 | 10 |
| 10501863 | 14.0 | 280 | 330 | 10 |
| 10501864 | 14.0 | 300 | 400 | 10 |
| 10501865 | 14.0 | 500 | 600 | 10 |
| 10501866 | 15.0 | 85 | 160 | 5 |
| 10501867 | 16.0 | 85 | 160 | 5 |
| 10501868 | 16.0 | 280 | 330 | 5 |
| 10501869 | 16.0 | 300 | 400 | 5 |
| 10501870 | 16.0 | 500 | 600 | 5 |
| 10501871 | 16.0 | 900 | 1000 | 1 |
| 10501872 | 17.0 | 80 | 160 | 5 |

**Continue on page 68**

MASONRY

- **Improved carbide tip design ensures for durable and fast drilling in all masonry materials**
- **Aggressive head design up to 15% Speed advantage over competition**
- **Now 20% more life vs. previous version**
- **Single flute design giving maximum space for dust removal and provides a 60% faster dust removal**

MASONRY

## Masonry Drill Bits

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | |
|---|---|---|---|---|
| 10501873 | 18.0 | 80 | 160 | 5 |
| 10501874 | 18.0 | 300 | 400 | 5 |
| 10501875 | 18.0 | 500 | 600 | 5 |
| 10501876 | 19.0 | 80 | 160 | 5 |
| 10501877 | 19.0 | 300 | 400 | 5 |
| 10501878 | 20.0 | 80 | 160 | 5 |
| 10501879 | 20.0 | 280 | 330 | 5 |
| 10501880 | 20.0 | 300 | 400 | 5 |
| 10501881 | 20.0 | 500 | 600 | 5 |
| 10501882 | 22.0 | 80 | 160 | 5 |
| 10501883 | 22.0 | 280 | 330 | 5 |
| 10501884 | 22.0 | 300 | 400 | 5 |
| 10501885 | 24.0 | 80 | 160 | 1 |
| 10501886 | 24.0 | 300 | 400 | 1 |
| 10501887 | 25.0 | 280 | 330 | 1 |
| 10501888 | 26.0 | 80 | 160 | 1 |
| 10501890 | 26.0 | 300 | 400 | 1 |
| 10501891 | 28.0 | 300 | 400 | 1 |

## Masonry Drill Bit Sets

| Item No. | Description | |
|---|---|---|
| 10501892 | 5pc Set 4.0, 5.0, 6.0, 8.0, 10.0 mm | 15 |
| 10501893 | 7pc Set 4.0, 5.0, 6.0, 7.0, 8.0, 10.0, 12.0 mm | 8 |

GRANITE

- For percussion drilling in very hard materials such as granite
- Extremely hard and wear resistant carbide tip guarantees up to 40% more holes compared to conventional masonry drill bits
- Stone masons favour this product for impact drilling of natural stone like granite
- Special shaped cutting edges mean higher durability resulting in 50% more accurately sized holes per drill bit

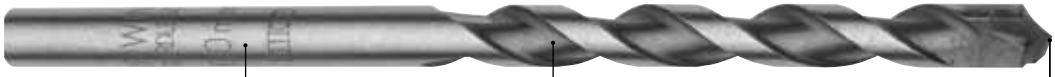
## Granite Drill Bits

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | |
|---|---|---|---|---|
| 10501894 | 3.0 | 40 | 70 | 10 |
| 10501895 | 3.5 | 40 | 75 | 10 |
| 10501896 | 4.0 | 45 | 80 | 10 |
| 10501897 | 5.0 | 50 | 90 | 10 |
| 10501898 | 5.0 | 100 | 160 | 10 |
| 10501899 | 5.5 | 55 | 95 | 10 |
| 10501900 | 5.5 | 115 | 160 | 10 |
| 10501901 | 6.0 | 60 | 100 | 10 |
| 10501902 | 6.0 | 115 | 160 | 10 |
| 10501903 | 6.5 | 60 | 105 | 10 |
| 10501904 | 6.5 | 115 | 160 | 10 |
| 10501905 | 7.0 | 65 | 110 | 10 |
| 10501906 | 7.0 | 115 | 160 | 10 |
| 10501907 | 8.0 | 70 | 120 | 10 |
| 10501908 | 8.0 | 130 | 200 | 10 |
| 10501909 | 8.5 | 72 | 125 | 10 |
| 10501910 | 9.0 | 77 | 130 | 10 |
| 10501911 | 10.0 | 90 | 140 | 10 |
| 10501912 | 10.0 | 130 | 200 | 10 |
| 10501913 | 11.0 | 105 | 160 | 10 |
| 10501914 | 12.0 | 105 | 160 | 10 |
| 10501915 | 13.0 | 100 | 160 | 10 |
| 10501916 | 14.0 | 100 | 160 | 10 |

## Granite Drill Bit Set

| Item No. | Description | |
|---|---|---|
| 10501918 | 7pc Set, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0, 12.0 mm | 8 |

## Cordless Multi Drill Bits – Rotary Drilling Only



- Chrome vanadium body with high carbon content allows more hardening and a stronger bit
- Single flute design giving maximum space for dust removal. Up to 15% speed advantage over competition. 10% more holes per battery charge.
- The hardest carbide grade and unique point grinding for fast drilling into most common materials and hardest tiles (scratch hardness 9)
- Brazed carbide tip has a unique diamond ground 4-face design for excellent centering and perfect hole quantity.

CORDLESS MULTI

- Most versatile drill bit for a wide selection of different materials - i.e. Brickwork, Ceramic Tiles, Breeze Block, Wood, Dry Wall, Limestone, Marble, Plastics, etc.
- Ceramic tile - up to a hardness grade of

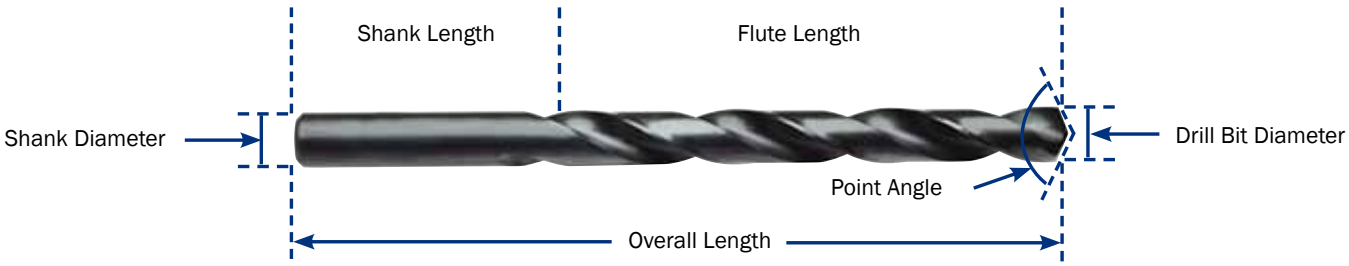
| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | |
|---|---|---|---|---|
| 10501919 | 3.0 | 40 | 70 | 10 |
| 10501920 | 3.5 | 40 | 75 | 10 |
| 10501921 | 4.0 | 45 | 80 | 10 |
| 10501922 | 5.0 | 50 | 90 | 10 |
| 10501923 | 5.5 | 55 | 95 | 10 |
| 10501924 | 5.5 | 115 | 160 | 10 |
| 10501925 | 6.0 | 60 | 100 | 10 |
| 10501926 | 6.0 | 115 | 160 | 10 |
| 10501927 | 6.0 | 120 | 200 | 10 |
| 10501928 | 6.5 | 60 | 105 | 10 |
| 10501929 | 6.5 | 120 | 200 | 10 |
| 10501930 | 7.0 | 65 | 110 | 10 |
| 10501931 | 7.0 | 115 | 160 | 10 |
| 10501932 | 8.0 | 70 | 120 | 10 |
| 10501933 | 8.0 | 120 | 200 | 10 |
| 10501934 | 10.0 | 90 | 140 | 10 |
| 10501935 | 10.0 | 120 | 200 | 10 |
| 10501936 | 12.0 | 105 | 160 | 10 |
| 10501937 | 14.0 | 100 | 160 | 10 |

每次应用需要1个钻头!

## Mixed Drill bit Set

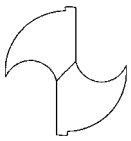
| Item No. | Description | |
|---|---|---|
| 10503993 | 15pc Set 2.0, 3.0, 3.5, 4.0, 5.0, 6.0, 8.0mm<br>Cordless Multi 4.0, 5.0, 6.0, 8.0mm<br>Brad Point 3.0, 4.0, 6.0, 8.0mm | 1 |

# High Speed Steel Drill Anatomy




Overall Length: The length from the point to the end of the drill bit
Point Angle: The angle of the cutting edges
Drill Diameter: The cutting diameter of the drill bit
Shank Length: The end of the drill bit that is secured by the drill
Flute Length: The length from the point to the end of the flutes

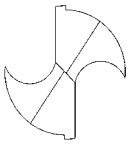
## Tip Geometry



### 118° Universal Point

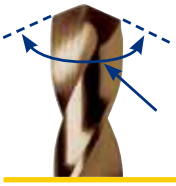
- General use
- Not self-centering
- Best used with Stationary Drills
- Performs better in softer materials than hard metal

118° Point Angle

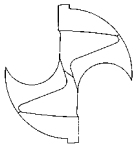


### 135° Split Point

- Self-centering (won't "walk")
- Best used with Portable Drills
- Requires less force than 118°



135° Point Angle



### TURBOMAX™ Tip

- Self-centering (won't "walk")
- Precision-ground to stay sharp longer and drill faster
- Best used with Portable Drills
- Requires less force than 118°

## Drill Bit Selection

| Material | TURBOMAX™ | HSS Titanium | HSS Cobalt | HSS Pro |
|---|---|---|---|---|
| Wood/Plaster | ● | ● | ● | ● |
| Sheet Metal | ● | ● | ● | ● |
| Mild Steel | ● | ● | ● | ● |
| High Alloy Steels | ● | ● | ● | ● |
| Stainless Steel | ● | ● | ● | ● |
| Cast Iron | ● | ● | ● | ● |
| Aluminium, Brass & Copper | ● | ● | ● | ● |
| Plastic | ● | ● | ● | ● |

Recommended ● Acceptable ● Not Recommended ●

## HSS PRO Drill Bits

- Ground Quality
- Manufactured to DIN 338 Standards
- Cylindrical Shank
- Universal 118° point shape for drilling a wide selection of materials
- Precision ground cutting edges for fast drilling and perfect finishing
- Ground flute for maximum accuracy and fast chip removal
- HSS steel drill bit body manufactured from high quality HSS steel with steam oxide surface finish

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | Pcs Per Pack | |
|---|---|---|---|---|---|
| 10502236 | 0.50 | 6 | 22 | 10pcs | 1 |
| 10502237 | 0.60 | 7 | 24 | 10pcs | 1 |
| 10502238 | 0.70 | 9 | 28 | 10pcs | 1 |
| 10502239 | 0.80 | 10 | 30 | 10pcs | 1 |
| 10502240 | 0.90 | 11 | 32 | 10pcs | 1 |
| 10502241 | 1.00 | 12 | 34 | 10pcs | 1 |
| 10502242 | 1.10 | 14 | 36 | 10pcs | 1 |
| 10502243 | 1.20 | 16 | 38 | 10pcs | 1 |
| 10502244 | 1.30 | 16 | 38 | 10pcs | 1 |
| 10502245 | 1.40 | 18 | 40 | 10pcs | 1 |
| 10502246 | 1.50 | 18 | 40 | 10pcs | 1 |
| 10502247 | 1.60 | 20 | 43 | 10pcs | 1 |
| 10502248 | 1.70 | 20 | 43 | 10pcs | 1 |
| 10502249 | 1.80 | 22 | 46 | 10pcs | 1 |
| 10502250 | 1.90 | 22 | 46 | 10pcs | 1 |
| 10502251 | 2.00 | 24 | 49 | 10pcs | 1 |
| 10502252 | 2.10 | 24 | 49 | 10pcs | 1 |
| 10502253 | 2.20 | 27 | 53 | 10pcs | 1 |
| 10502254 | 2.30 | 27 | 53 | 10pcs | 1 |
| 10502255 | 2.40 | 30 | 57 | 10pcs | 1 |
| 10502256 | 2.50 | 30 | 57 | 10pcs | 1 |
| 10502257 | 2.60 | 30 | 57 | 10pcs | 1 |
| 10502258 | 2.70 | 33 | 61 | 10pcs | 1 |
| 10502259 | 2.80 | 33 | 61 | 10pcs | 1 |
| 10502260 | 2.90 | 33 | 61 | 10pcs | 1 |
| 10502261 | 3.00 | 33 | 61 | 10pcs | 1 |
| 10502262 | 3.10 | 36 | 65 | 10pcs | 1 |
| 10502263 | 3.20 | 36 | 65 | 10pcs | 1 |
| 10502264 | 3.30 | 36 | 65 | 10pcs | 1 |
| 10502265 | 3.40 | 39 | 70 | 10pcs | 1 |
| 10502266 | 3.50 | 39 | 70 | 10pcs | 1 |
| 10502267 | 3.60 | 39 | 70 | 10pcs | 1 |
| 10502268 | 3.70 | 39 | 70 | 10pcs | 1 |
| 10502269 | 3.80 | 43 | 75 | 10pcs | 1 |
| 10502270 | 3.90 | 43 | 75 | 10pcs | 1 |
| 10502271 | 4.00 | 43 | 75 | 10pcs | 1 |
| 10502272 | 4.10 | 43 | 75 | 10pcs | 1 |
| 10502273 | 4.20 | 43 | 75 | 10pcs | 1 |
| 10502274 | 4.30 | 47 | 80 | 10pcs | 1 |
| 10502275 | 4.40 | 47 | 80 | 10pcs | 1 |
| 10502276 | 4.50 | 47 | 80 | 10pcs | 1 |
| 10502277 | 4.60 | 47 | 80 | 10pcs | 1 |
| 10502278 | 4.70 | 47 | 80 | 10pcs | 1 |
| 10502279 | 4.80 | 52 | 86 | 10pcs | 1 |
| 10502280 | 4.90 | 52 | 86 | 10pcs | 1 |
| 10502281 | 5.00 | 52 | 86 | 10pcs | 1 |
| 10502282 | 5.10 | 52 | 86 | 10pcs | 1 |
| 10502283 | 5.20 | 52 | 86 | 10pcs | 1 |
| 10502284 | 5.30 | 52 | 86 | 10pcs | 1 |
| 10502285 | 5.40 | 57 | 93 | 10pcs | 1 |
| 10502286 | 5.50 | 57 | 93 | 10pcs | 1 |
| 10502287 | 5.60 | 57 | 93 | 10pcs | 1 |
| 10502288 | 5.70 | 57 | 93 | 10pcs | 1 |
| 10502289 | 5.80 | 57 | 93 | 10pcs | 1 |
| 10502290 | 5.90 | 57 | 93 | 10pcs | 1 |
| 10502291 | 6.00 | 57 | 93 | 10pcs | 1 |
| 10502292 | 6.10 | 63 | 101 | 10pcs | 1 |
| 10502293 | 6.20 | 63 | 101 | 10pcs | 1 |
| 10502294 | 6.30 | 63 | 101 | 10pcs | 1 |
| 10502295 | 6.40 | 63 | 101 | 10pcs | 1 |
| 10502296 | 6.50 | 63 | 101 | 10pcs | 1 |
| 10502297 | 6.60 | 63 | 101 | 10pcs | 1 |
| 10502299 | 6.80 | 69 | 109 | 10pcs | 1 |
| 10502300 | 6.90 | 69 | 109 | 10pcs | 1 |
| 10502301 | 7.00 | 69 | 109 | 10pcs | 1 |

**Continue on page 73**

## HSS PRO Drill Bits

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | Pcs per Pack | |
|---|---|---|---|---|---|
| 10502302 | 7.10 | 69 | 109 | 5pcs | 1 |
| 10502303 | 7.20 | 69 | 109 | 5pcs | 1 |
| 10502304 | 7.30 | 69 | 109 | 5pcs | 1 |
| 10502305 | 7.40 | 69 | 109 | 5pcs | 1 |
| 10502306 | 7.50 | 69 | 109 | 5pcs | 1 |
| 10502307 | 7.60 | 75 | 117 | 5pcs | 1 |
| 10502308 | 7.70 | 75 | 117 | 5pcs | 1 |
| 10502309 | 7.80 | 75 | 117 | 5pcs | 1 |
| 10502310 | 7.90 | 75 | 117 | 5pcs | 1 |
| 10502311 | 8.00 | 75 | 117 | 5pcs | 1 |
| 10502312 | 8.10 | 75 | 117 | 5pcs | 1 |
| 10502313 | 8.20 | 75 | 117 | 5pcs | 1 |
| 10502314 | 8.30 | 75 | 117 | 5pcs | 1 |
| 10502315 | 8.40 | 75 | 117 | 5pcs | 1 |
| 10502316 | 8.50 | 75 | 117 | 5pcs | 1 |
| 10502317 | 8.60 | 81 | 125 | 5pcs | 1 |
| 10502318 | 8.70 | 81 | 125 | 5pcs | 1 |
| 10502319 | 8.80 | 81 | 125 | 5pcs | 1 |
| 10502320 | 8.90 | 81 | 125 | 5pcs | 1 |
| 10502321 | 9.00 | 81 | 125 | 5pcs | 1 |
| 10502322 | 9.10 | 81 | 125 | 5pcs | 1 |
| 10502323 | 9.20 | 81 | 125 | 5pcs | 1 |
| 10502324 | 9.30 | 81 | 125 | 5pcs | 1 |
| 10502325 | 9.40 | 81 | 125 | 5pcs | 1 |
| 10502326 | 9.50 | 81 | 125 | 5pcs | 1 |
| 10502327 | 9.60 | 87 | 133 | 5pcs | 1 |
| 10502328 | 9.70 | 87 | 133 | 5pcs | 1 |
| 10502329 | 9.80 | 87 | 133 | 5pcs | 1 |
| 10502330 | 9.90 | 87 | 133 | 5pcs | 1 |
| 10502331 | 10.00 | 87 | 133 | 5pcs | 1 |
| 10502332 | 10.10 | 87 | 133 | 5pcs | 1 |
| 10502333 | 10.20 | 87 | 133 | 5pcs | 1 |
| 10502334 | 10.30 | 87 | 133 | 5pcs | 1 |
| 10502335 | 10.40 | 87 | 133 | 5pcs | 1 |
| 10502336 | 10.50 | 87 | 133 | 5pcs | 1 |
| 10502337 | 10.60 | 87 | 133 | 5pcs | 1 |
| 10502338 | 10.70 | 94 | 142 | 5pcs | 1 |
| 10502339 | 10.80 | 94 | 142 | 5pcs | 1 |
| 10502341 | 11.00 | 94 | 142 | 5pcs | 1 |
| 10502343 | 11.20 | 94 | 142 | 5pcs | 1 |
| 10502344 | 11.30 | 94 | 142 | 5pcs | 1 |
| 10502346 | 11.50 | 94 | 142 | 5pcs | 1 |
| 10502349 | 11.80 | 94 | 142 | 5pcs | 1 |
| 10502351 | 12.00 | 101 | 151 | 5pcs | 1 |
| 10502356 | 12.50 | 101 | 151 | 5pcs | 1 |
| 10502357 | 12.60 | 101 | 151 | 5pcs | 1 |
| 10502358 | 12.70 | 101 | 151 | 5pcs | 1 |
| 10502361 | 13.00 | 101 | 151 | 5pcs | 1 |
| 10502362 | 13.50 | 108 | 160 | 5pcs | 1 |
| 10502363 | 14.00 | 108 | 160 | 1pc | 1 |
| 10502364 | 14.50 | 114 | 169 | 1pc | 1 |
| 10502365 | 15.00 | 114 | 169 | 1pc | 1 |
| 10502366 | 15.50 | 120 | 178 | 1pc | 1 |
| 10502367 | 16.00 | 120 | 178 | 1pc | 1 |
| 10502368 | 16.50 | 125 | 184 | 1pc | 1 |
| 10502369 | 17.00 | 125 | 184 | 1pc | 1 |
| 10502370 | 17.50 | 130 | 191 | 1pc | 1 |
| 10502371 | 18.00 | 130 | 191 | 1pc | 1 |
| 10502372 | 18.50 | 135 | 198 | 1pc | 1 |
| 10502373 | 19.0 | 135 | 198 | 1pc | 1 |
| 10502374 | 19.5 | 140 | 205 | 1pc | 1 |
| 10502375 | 20.0 | 140 | 205 | 1pc | 1 |

- Ground Quality
- Manufactured to DIN 338 Standards
- Cylindrical Shank
- Universal 118° point shape for drilling a wide selection of materials
- Precision ground cutting edges for fast drilling and perfect finishing
- Ground flute for maximum accuracy and fast chip removal
- HSS steel drill bit body manufactured from high quality HSS steel with steam oxide surface finish

## HSS PRO Long Drill Bits

- Ground Quality
- Manufactured to DIN 340 Standards
- Cylindrical Shank

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | Pcs per Pack | |
|---|---|---|---|---|---|
| 10502482 | 2.0 | 55 | 85 | 10pcs | 1 |
| 10502483 | 2.5 | 65 | 100 | 10pcs | 1 |
| 10502484 | 3.0 | 70 | 110 | 10pcs | 1 |
| 10503855 | 3.2 | 69 | 106 | 10pcs | 1 |
| 10502485 | 3.5 | 80 | 120 | 10pcs | 1 |
| 10502486 | 4.0 | 80 | 120 | 10pcs | 1 |
| 10503856 | 4.2 | 78 | 119 | 10pcs | 1 |
| 10502487 | 4.5 | 85 | 130 | 10pcs | 1 |
| 10504418 | 4.8 | 87 | 132 | 10pcs | 1 |
| 10502488 | 5.0 | 90 | 135 | 10pcs | 1 |
| 10504420 | 5.2 | 87 | 132 | 10pcs | 1 |
| 10502489 | 5.5 | 95 | 140 | 10pcs | 1 |
| 10502490 | 6.0 | 95 | 140 | 10pcs | 1 |
| 10502491 | 6.5 | 100 | 150 | 10pcs | 1 |
| 10502492 | 7.0 | 100 | 150 | 10pcs | 1 |
| 10502493 | 7.5 | 105 | 160 | 5pcs | 1 |
| 10502494 | 8.0 | 105 | 160 | 5pcs | 1 |
| 10502495 | 8.5 | 105 | 160 | 5pcs | 1 |
| 10502496 | 9.0 | 110 | 170 | 5pcs | 1 |
| 10502497 | 9.5 | 115 | 175 | 5pcs | 1 |
| 10502498 | 10.0 | 115 | 175 | 5pcs | 1 |
| 10503858 | 12.0 | 134 | 205 | 5pcs | 1 |

## HSS PRO Long Drill Bit Sets

| Item No. | Description | |
|---|---|---|
| 10503989 | HSS PRO Drill Set - 15pc 1.5,2.0,2.5,3.0,3.5,4.0,4.5,5.0,5.5,6.0,6.5,7.0,8.0,9.0, 10.0mm | 1 |
| 10503993 | HSS PRO Drill Set – 25pc 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0, 11.5, 12.0, 12.5, 13.0 mm | 1 |

## HSS Cobalt Drill Bits

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | Pcs per Pack | |
|---|---|---|---|---|---|
| 10502511 | 1.0 | 12 | 34 | 10pcs | 1 |
| 10502512 | 1.5 | 18 | 40 | 10pcs | 1 |
| 10502513 | 2.0 | 24 | 49 | 10pcs | 1 |
| 10502514 | 2.5 | 30 | 57 | 10pcs | 1 |
| 10502515 | 3.0 | 33 | 61 | 10pcs | 1 |
| 10502516 | 3.1 | 36 | 65 | 10pcs | 1 |
| 10502517 | 3.2 | 36 | 65 | 10pcs | 1 |
| 10502518 | 3.3 | 36 | 65 | 10pcs | 1 |
| 10502519 | 3.5 | 39 | 70 | 10pcs | 1 |
| 10502520 | 4.0 | 43 | 75 | 10pcs | 1 |
| 10502524 | 4.5 | 47 | 80 | 10pcs | 1 |
| 10502527 | 5.0 | 52 | 86 | 10pcs | 1 |
| 10502529 | 5.5 | 57 | 93 | 10pcs | 1 |
| 10502530 | 6.0 | 57 | 93 | 10pcs | 1 |
| 10502531 | 6.5 | 63 | 101 | 10pcs | 1 |
| 10502532 | 7.0 | 69 | 109 | 10pcs | 1 |
| 10502533 | 7.5 | 69 | 109 | 5pcs | 1 |
| 10502534 | 8.0 | 75 | 117 | 5pcs | 1 |
| 10502535 | 8.5 | 75 | 117 | 5pcs | 1 |
| 10502536 | 9.0 | 81 | 125 | 5pcs | 1 |
| 10502537 | 9.5 | 81 | 125 | 5pcs | 1 |
| 10502538 | 10.0 | 87 | 133 | 5pcs | 1 |
| 10502539 | 11.0 | 94 | 142 | 5pcs | 1 |
| 10502540 | 12.0 | 101 | 151 | 5pcs | 1 |
| 10502541 | 13.0 | 101 | 151 | 5pcs | 1 |

- Ground Quality
- Manufactured to DIN 338 Standards
- Cylindrical Shank
- 135° split point grinding ensures perfect centering and reduced drilling pressures
- Industrial quality ground flute for high accuracy and fast removal of chips
- Cobalt alloyed drill bit body manufactured from high quality HSS steel containing 5% Cobalt (Co.) The added 5% Cobalt improves the red hardness (heat resistance) of the drill bit and results in significantly extended life

## HSS Cobalt Drill Bit Set

| Item No. | Description | |
|---|---|---|
| 10503990 | HSS Cobalt Drill Set – 15pc 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 8.0, 9.0, 10.0 mm | 1 |

- Designed primarily for high performance drilling in sheet metal as well as in all types of wood and plastic.
- 100° tip guarantees most precise centering and guidance no walking - The fastest start. Also no center punch necessary on curved surfaces.
- Superb wear resistance – Hardness of 63-66HRC
- 3-flatted shank prevents slipping in chuck. No damaging of the drill due to slipping. Best power supply to the cutting lips
- Ground Flute
- Reinforced web for added strength and durability robust design – no breakage

## TURBOMAX™ HSS Drill Bits

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | Pcs per Pack | |
|---|---|---|---|---|---|
| 10502202 | 1.0 | 12 | 34 | 2pcs | 10 |
| 10502203 | 1.5 | 18 | 40 | 2pcs | 10 |
| 10502204 | 2.0 | 24 | 49 | 2pcs | 10 |
| 10502205 | 2.5 | 30 | 57 | 2pcs | 10 |
| 10502206 | 3.0 | 33 | 61 | 1pc | 10 |
| 10502207 | 3.1 | 36 | 65 | 1pc | 10 |
| 10502208 | 3.2 | 36 | 65 | 1pc | 10 |
| 10502209 | 3.3 | 36 | 65 | 1pc | 10 |
| 10502210 | 3.5 | 36 | 70 | 1pc | 10 |
| 10502211 | 4.0 | 43 | 75 | 1pc | 10 |
| 10502212 | 4.1 | 43 | 75 | 1pc | 10 |
| 10502213 | 4.2 | 43 | 75 | 1pc | 10 |
| 10502214 | 4.3 | 43 | 75 | 1pc | 10 |
| 10502215 | 4.5 | 47 | 80 | 1pc | 10 |
| 10502216 | 4.8 | 41 | 86 | 1pc | 10 |
| 10502217 | 4.9 | 41 | 86 | 1pc | 10 |
| 10502218 | 5.0 | 41 | 86 | 1pc | 10 |
| 10502219 | 5.1 | 41 | 86 | 1pc | 10 |
| 10502220 | 5.5 | 48 | 93 | 1pc | 10 |
| 10502221 | 6.0 | 48 | 93 | 1pc | 10 |
| 10502222 | 6.5 | 56 | 101 | 1pc | 10 |
| 10502223 | 7.0 | 62 | 109 | 1pc | 10 |
| 10502224 | 7.5 | 62 | 109 | 1pc | 10 |
| 10502225 | 8.0 | 70 | 117 | 1pc | 10 |
| 10502226 | 8.5 | 70 | 117 | 1pc | 10 |
| 10502227 | 9.0 | 78 | 125 | 1pc | 10 |
| 10502228 | 9.5 | 78 | 125 | 1pc | 10 |
| 10502229 | 10.0 | 83 | 133 | 1pc | 10 |
| 10502230 | 11.0 | 92 | 142 | 1pc | 10 |
| 10502231 | 12.0 | 101 | 151 | 1pc | 10 |
| 10502232 | 13.0 | 101 | 151 | 1pc | 10 |

## TURBOMAX™ HSS Drill Bit Set

| Item No. | Description | |
|---|---|---|
| 10503992 | TURBOMAX™ HSS Drill Set – 15pc 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 8.0, 9.0, 10.0 mm | 1 |

## HSS Titanium Drill Bits

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | Pcs per Pack | |
|---|---|---|---|---|---|
| 10502572 | 1.0 | 12 | 34 | 2pcs | 10 |
| 10502573 | 1.5 | 18 | 40 | 2pcs | 10 |
| 10502574 | 2.0 | 24 | 49 | 2pcs | 10 |
| 10502575 | 2.5 | 30 | 57 | 2pcs | 10 |
| 10502576 | 3.0 | 33 | 61 | 1pc | 10 |
| 10502580 | 3.5 | 39 | 70 | 1pc | 10 |
| 10502581 | 4.0 | 43 | 75 | 1pc | 10 |
| 10502583 | 4.2 | 43 | 75 | 1pc | 10 |
| 10502585 | 4.5 | 47 | 80 | 1pc | 10 |
| 10502588 | 5.0 | 52 | 86 | 1pc | 10 |
| 10502590 | 5.5 | 57 | 93 | 1pc | 10 |
| 10502591 | 6.0 | 57 | 93 | 1pc | 10 |
| 10502592 | 6.5 | 63 | 101 | 1pc | 10 |
| 10502593 | 7.0 | 69 | 109 | 1pc | 10 |
| 10502594 | 7.5 | 69 | 109 | 1pc | 10 |
| 10502595 | 8.0 | 75 | 117 | 1pc | 10 |
| 10502596 | 8.5 | 75 | 117 | 1pc | 10 |
| 10502597 | 9.0 | 81 | 125 | 1pc | 10 |
| 10502598 | 9.5 | 81 | 125 | 1pc | 10 |
| 10502599 | 10.0 | 87 | 133 | 1pc | 10 |
| 10502600 | 11.0 | 94 | 142 | 1pc | 10 |
| 10502601 | 12.0 | 101 | 151 | 1pc | 10 |
| 10502602 | 13.0 | 101 | 151 | 1pc | 10 |

- 135° split point grinding ensures perfect centering and reduced drilling pressures
- Industrial quality ground flute for high accuracy and fast removal of chips
- Titanium nitride coated drill bit body manufactured from high quality HSS steel coated with Titanium Nitride (TiN).
- The TiN coating has a hardness of app. 80HRC and is very resistant to wear.
- TiN has a low coefficient of friction. This results in less power being consumed and less heat generated during the drilling.
- Speed and feed can be increased by 40-60% and by 10-20% respectively without reducing the life time of the drill bit significantly, compared to traditional HSS Twist drill bits.
- Heat generated during the drilling process is diverted into the chips and coolant and less into the drill bit, as Tin is poor conductor of heat.

## HSS Titanium Drill Bit Set

| Item No. | Description | |
|---|---|---|
| 10503991 | HSS Titanium Drill Set – 15pc 1.5,2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 8.0, 9.0, 10.0mm | 1 |

## UNBIT® Step Drills

- Self centering point will not walk, eliminates centre punching
- Drill bit body made from Chrome Vanadium Steel. Hardened to 56 HRC
- Flute extra deep ground double flutes for extra chip capacity
- Flatted shank prevents the drill bit from slipping in the chuck
- Ideal for drilling holes in thin materials such as mild steel, copper, brass, aluminium, plexiglass, plastic, wood and laminates

| Item No. | Description | Pcs per Pack | |
|---|---|---|---|
| 10502850 | 1M 9 Hole sizes (4mm – 12mm), 1mm increments | 1pc | 1 |
| 10502851 | 2M 5 Hole sizes (4mm – 12mm), 2mm increments | 1pc | 1 |
| 10502852 | 3M 7 Hole sizes (6mm – 18mm), 2mm increments | 1pc | 1 |
| 10502853 | 4M 10 Hole sizes (2mm – 22mm), 2mm increments | 1pc | 1 |
| 10502854 | 5M 13 Hole sizes (5mm – 35mm), 2-3mm increments | 1pc | 1 |
| 10502855 | PG29M 10 Hole sizes (5, 7.5, 10, 12.5, 15.2, 18.6, 20.4, 22.5, 25.5, 28.3mm) | 1pc | 1 |

## TCT Drill Bits

- Designed for drilling hard and abrasive materials
- Carbide tip will drill hardened material up to a hardness of 50HRC.
- Four faceted ground for low drilling pressure and perfect centering
- Extra deep ground double flutes for extra chip capacity
- Reduced flute hand means less friction
- Drill bit body made from Chrome Vanadium Steel. Hardened to 56 HRC
- Coolant should always be used when drilling with TCT drill bits. It is recommended to use a 3-6% emulsion. The coolant will extend the life time of the drill bit

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | Pcs per Pack | |
|---|---|---|---|---|---|
| 10502618 | 2.0 | 24 | 51 | 1pc | 10 |
| 10502619 | 2.5 | 30 | 57 | 1pc | 10 |
| 10502620 | 3.0 | 33 | 61 | 1pc | 10 |
| 10502622 | 3.2 | 39 | 70 | 1pc | 10 |
| 10502624 | 3.3 | 39 | 70 | 1pc | 10 |
| 10502626 | 3.5 | 39 | 70 | 1pc | 10 |
| 10502627 | 3.6 | 43 | 75 | 1pc | 10 |
| 10502631 | 4.0 | 43 | 75 | 1pc | 10 |
| 10502633 | 4.2 | 47 | 80 | 1pc | 10 |
| 10502636 | 4.5 | 47 | 80 | 1pc | 10 |
| 10502641 | 5.0 | 52 | 86 | 1pc | 10 |
| 10502642 | 5.1 | 57 | 93 | 1pc | 10 |
| 10502643 | 5.2 | 57 | 93 | 1pc | 10 |
| 10502646 | 5.5 | 57 | 93 | 1pc | 10 |
| 10502649 | 5.8 | 57 | 93 | 1pc | 10 |
| 10502651 | 6.0 | 57 | 93 | 1pc | 10 |
| 10502656 | 6.5 | 63 | 101 | 1pc | 10 |
| 10502659 | 6.8 | 69 | 109 | 1pc | 10 |
| 10502661 | 7.0 | 69 | 109 | 1pc | 10 |
| 10502666 | 7.5 | 69 | 109 | 1pc | 10 |
| 10502671 | 8.0 | 75 | 117 | 1pc | 10 |
| 10502676 | 8.5 | 75 | 117 | 1pc | 10 |
| 10502680 | 9.0 | 81 | 125 | 1pc | 10 |
| 10502685 | 9.5 | 81 | 125 | 1pc | 10 |
| 10502689 | 10.0 | 87 | 133 | 1pc | 10 |
| 10502690 | 10.5 | 10 | 133 | 1pc | 10 |
| 10502691 | 11 | 94 | 142 | 1pc | 10 |
| 10502692 | 11.5 | 94 | 142 | 1pc | 10 |
| 10502693 | 12.0 | 101 | 151 | 1pc | 10 |
| 10502695 | 13.0 | 101 | 151 | 1pc | 10 |
| 10502697 | 14.0 | 108 | 160 | 1pc | 10 |

## TCT Drill Bits - Imperial

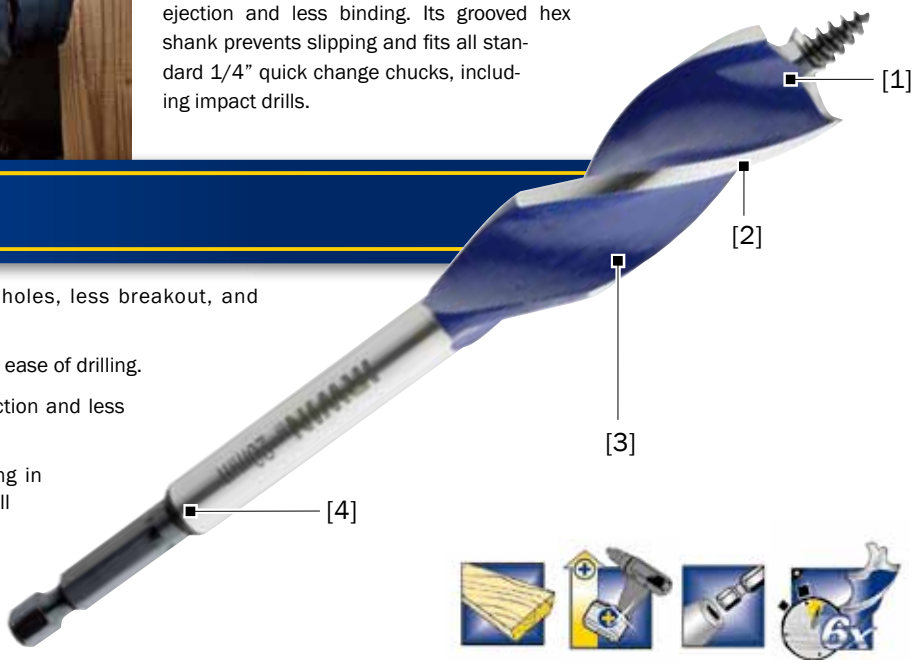
| Item No. | DiameterØ (inch) | Working Length (inch) | Total Length (inch) | Pcs per Pack | |
|---|---|---|---|---|---|
| 10502884 | 1/8 | 1-19/64 | 2-13/32 | 1pc | 10 |
| 10502886 | 5/32 | 1-11/16 | 2-61/64 | 1pc | 10 |
| 10502888 | 3/16 | 2-3/64 | 3-25/64 | 1pc | 10 |
| 10502889 | 13/64 | 2-1/4 | 3-21/32 | 1pc | 10 |
| 10502890 | 7/32 | 2-1/4 | 3-21/32 | 1pc | 10 |
| 10502892 | 1/4 | 2-31/64 | 4 | 1pc | 10 |
| 10502894 | 9/32 | 2-23/32 | 4-19/64 | 1pc | 10 |
| 10502896 | 5/16 | 2-61/64 | 4-39/64 | 1pc | 10 |

# IRWIN® Blue Groove 6X Wood Boring Bits

The IRWIN® Blue Groove 6X wood drilling bit is the FASTEST SPEED-BOR EVER™. The Speed Tip features a full screw-point that allows bit to self-feed, as well as three cutting spurs for faster, cleaner holes, less breakout, and extended drilling life. The tapered tri-flute design allows for faster chip ejection and less binding. Its grooved hex shank prevents slipping and fits all standard 1/4" quick change chucks, including impact drills.

BLUE GROOVE 6X WOOD BORING BITS

## FEATURES




1. Three cutting spurs for faster, cleaner holes, less breakout, and extended drilling life.
2. Full screw-point tip allows bit to self-feed for ease of drilling.
3. Tapered tri-flute design for faster chip ejection and less binding.
4. 1/4" quick-change shank reduces slipping in standard chucks and is compatible with all 1/4" quick-change chucks, including impact drills.*

*3/8" for 1-3/8" and 1-1/2" bits

| Item No. | DiameterØ (mm) | Length | |
|---|---|---|---|
| 10507602 | 14 | 6"/150mm | 6 |
| 10506620 | 16 | 6"/150mm | 6 |
| 10506621 | 18 | 6"/150mm | 6 |
| 10506622 | 20 | 6"/150mm | 6 |
| 10506623 | 22 | 6"/150mm | 6 |
| 10506624 | 25 | 6"/150mm | 6 |
| 10506625 | 28 | 6"/150mm | 6 |
| 10506626 | 32 | 6"/150mm | 6 |

## Blue Groove 6X Wood Boring Bit Set

| Item No. | Description | Length | |
|---|---|---|---|
| 10506627 | 3pc Set 20, 22, 25 mm | 6"/150mm | 1 |
| 10506628 | 6pc Set 16, 18, 20, 22, 25, 32 mm | 6"/150mm | 1 |

# Blue Groove 4X Flat Bits

## BLUE GROOVE 4X FLAT BITS
## FEATURES

1. Patented Blue-Groove™ point and cutting edge for faster chip removal and overall drilling speed.
2. Double cutting spurs scribe the outside of the hole for reduced breakout and cleaner holes.
3. 40% thicker cutting edge and enlarged shank for increased strength and longer drilling life.
4. 1/4" quick-change shank reduces slipping in standard chucks and is compatible with all 1/4" quick-change chucks, including impact drills.

**25% LARGER SHANK*** FOR DURABILITY

**40% THICKER CUTTING EDGE*** FOR DRILLING LIFE

| Item No. | DiameterØ (mm) | Length | |
|---|---|---|---|
| 10502803 | 6 | 6"/150mm | 6 |
| 10502804 | 8 | 6"/150mm | 6 |
| 10502805 | 10 | 6"/150mm | 6 |
| 10502806 | 12 | 6"/150mm | 6 |
| 10502807 | 13 | 6"/150mm | 6 |
| 10502808 | 14 | 6"/150mm | 6 |
| 10502809 | 16 | 6"/150mm | 6 |
| 10502810 | 17 | 6"/150mm | 6 |
| 10502811 | 18 | 6"/150mm | 6 |
| 10502812 | 19 | 6"/150mm | 6 |
| 10502813 | 20 | 6"/150mm | 6 |
| 10502814 | 22 | 6"/150mm | 6 |
| 10502815 | 24 | 6"/150mm | 6 |
| 10502816 | 25 | 6"/150mm | 6 |
| 10502817 | 26 | 6"/150mm | 6 |
| 10502818 | 28 | 6"/150mm | 3 |
| 10502819 | 30 | 6"/150mm | 3 |
| 10502820 | 32 | 6"/150mm | 3 |
| 10502821 | 35 | 6"/150mm | 3 |
| 10502822 | 38 | 6"/150mm | 3 |
| 10502823 | 40 | 6"/150mm | 3 |

## Blue Groove 4X Flat Bits – 400mm Length

| Item No. | DiameterØ (mm) | Length | |
|---|---|---|---|
| 10502830 | 6 | 16"/400mm | 6 |
| 10502831 | 8 | 16"/400mm | 6 |
| 10502832 | 10 | 16"/400mm | 6 |
| 10502833 | 12 | 16"/400mm | 6 |
| 10502834 | 13 | 16"/400mm | 6 |
| 10502835 | 14 | 16"/400mm | 6 |
| 10502836 | 16 | 16"/400mm | 6 |
| 10502837 | 18 | 16"/400mm | 6 |
| 10502838 | 19 | 16"/400mm | 6 |
| 10502839 | 20 | 16"/400mm | 6 |
| 10502840 | 22 | 16"/400mm | 6 |
| 10502842 | 25 | 16"/400mm | 6 |
| 10502843 | 28 | 16"/400mm | 3 |
| 10502844 | 30 | 16"/400mm | 3 |
| 10502845 | 32 | 16"/400mm | 3 |
| 10502846 | 35 | 16"/400mm | 3 |

## Blue Groove 4X Flat Bit Extensions

| Item No. | Size | Length | |
|---|---|---|---|
| 10502824 | 5/8" (16mm) | 6"/150mm | 6 |
| 10502825 | 5/8" (16mm) | 12"/300mm | 6 |

## Blue Groove 4X Flat Bit Set

| Item No. | Description | Length | |
|---|---|---|---|
| 10502826 | 6pc Set 10, 13, 16, 19, 22, 25 mm – Plastic Wallet | 6"/150mm | 1 |
| 10506629 | 9pc Set 12, 16, 18, 20, 22, 25, 28, 32 mm Case | 6"/150mm | 1 |
| 10507603 | 9pc Set 12, 14, 16, 18, 20, 22, 25, 28 mm Case | 6"/150mm | 1 |

## Auger Drill Bits

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | Shank Size (mm) | |
|---|---|---|---|---|---|
| 10502738 | 5 | 73 | 150 | 4.5 | 1 |
| 10502739 | 6 | 114 | 191 | 5.8 | 1 |
| 10502741 | 8 | 114 | 191 | 6.3 | 1 |
| 10502744 | 10 | 114 | 191 | 9.2 | 1 |
| 10502747 | 11 | 114 | 191 | 9.2 | 1 |
| 10502748 | 12 | 114 | 191 | 9.2 | 1 |
| 10502751 | 13 | 114 | 191 | 9.2 | 1 |
| 10502754 | 14 | 126 | 191 | 9.2 | 1 |
| 10502756 | 15 | 126 | 191 | 9.2 | 1 |
| 10502757 | 16 | 126 | 191 | 9.2 | 1 |
| 10502760 | 17 | 126 | 191 | 9.2 | 1 |
| 10502761 | 18 | 126 | 191 | 9.2 | 1 |
| 10502764 | 19 | 126 | 191 | 9.2 | 1 |
| 10502766 | 20 | 126 | 191 | 9.2 | 1 |
| 10502769 | 22 | 126 | 191 | 9.2 | 1 |
| 10502772 | 24 | 126 | 191 | 9.2 | 1 |
| 10502774 | 25 | 126 | 191 | 9.2 | 1 |
| 10502776 | 26 | 126 | 191 | 12.6 | 1 |
| 10502778 | 28 | 175 | 240 | 12.6 | 1 |
| 10502780 | 30 | 175 | 240 | 12.6 | 1 |
| 10502782 | 32 | 175 | 240 | 12.6 | 1 |
| 10502784 | 35 | 175 | 240 | 12.6 | 1 |
| 10502787 | 38 | 175 | 240 | 12.6 | 1 |
| 10502788 | 40 | 175 | 240 | 12.6 | 1 |

1. Coarse screw point for faster drilling into all types of wood
2. Single spur design for smoother hole finish
3. Extra wide flute for faster chip removal
4. Fully hardened body from tip to shank for extra durability
5. Hex shank prevents bit slipping in chuck

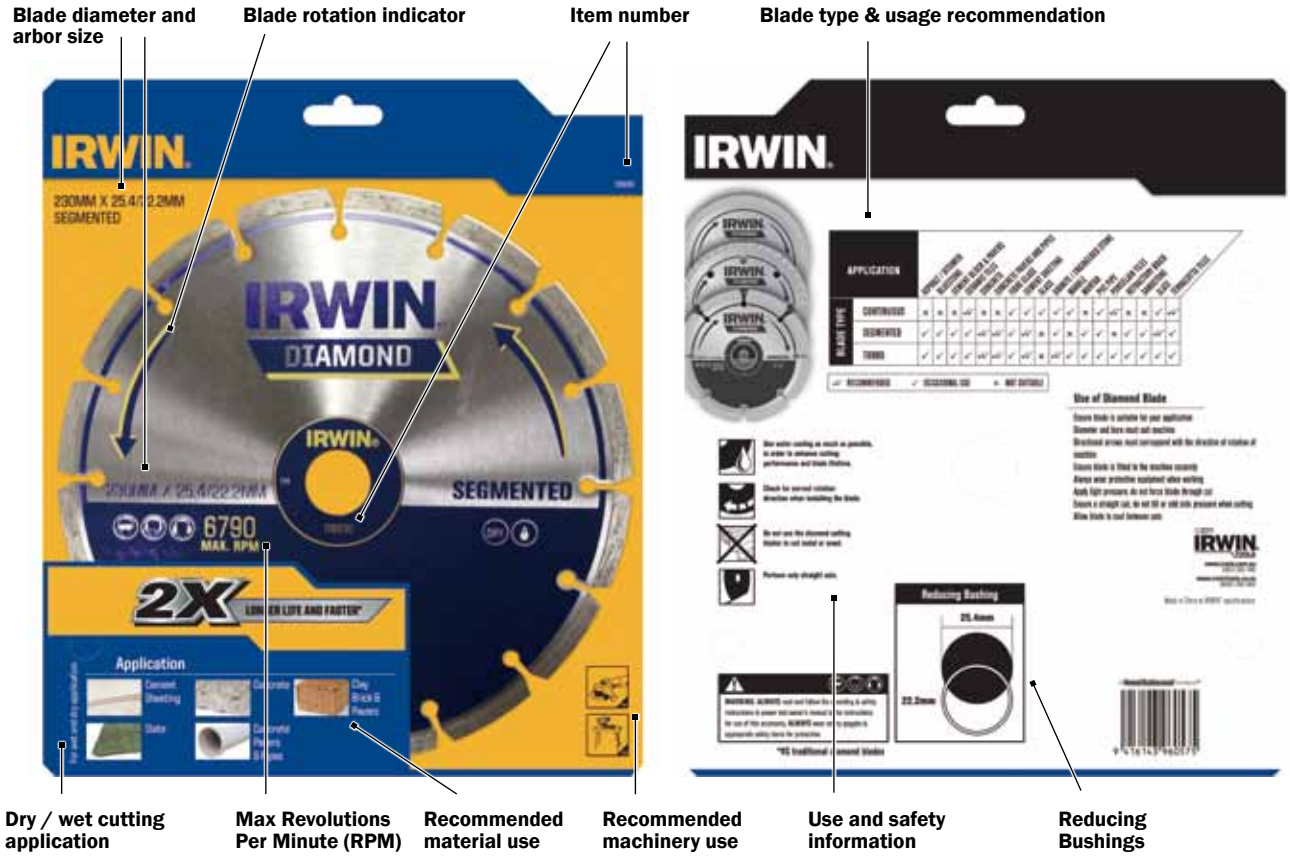
## Auger Drill Bits – Extra Long Length

| Item No. | DiameterØ (mm) | Working Length (mm) | Total Length (mm) | Shank Size (mm) | |
|---|---|---|---|---|---|
| 10502740 | 6 | 323 | 400 | 5.8 | 1 |
| 10502742 | 8 | 323 | 400 | 6.3 | 1 |
| 10502745 | 10 | 323 | 400 | 9.2 | 1 |
| 10502749 | 12 | 323 | 400 | 9.2 | 1 |
| 10502752 | 13 | 323 | 400 | 9.2 | 1 |
| 10502755 | 14 | 335 | 400 | 9.2 | 1 |
| 10502758 | 16 | 335 | 400 | 9.2 | 1 |
| 10502762 | 18 | 335 | 400 | 9.2 | 1 |
| 10502765 | 19 | 335 | 400 | 9.2 | 1 |
| 10502767 | 20 | 335 | 400 | 9.2 | 1 |
| 10502770 | 22 | 335 | 400 | 9.2 | 1 |
| 10502773 | 24 | 335 | 400 | 9.2 | 1 |
| 10502775 | 25 | 335 | 400 | 9.2 | 1 |
| 10502777 | 26 | 335 | 400 | 12.6 | 1 |
| 10502779 | 28 | 335 | 400 | 12.6 | 1 |
| 10502781 | 30 | 335 | 400 | 12.6 | 1 |
| 10502783 | 32 | 335 | 400 | 12.6 | 1 |
| 10502785 | 35 | 335 | 400 | 12.6 | 1 |
| 10502786 | 36 | 335 | 400 | 12.6 | 1 |

IRWIN
IRWIN

**The new line of IRWIN® Diamond Discs has been developed with the trade in mind. These blades have been designed to the most advanced technological standards to provide diamond blades that are suitable for multiple applications and better cost per cut.**

## LEGENDS




## WHAT IS IMPORTANT IN A DIAMOND BLADE?

The quality of a diamond blade can be measured by a variety of factors, the most important ones being:

- Universal Use: the capacity of one blade to perform on a variety of materials.
- Finish: clean cuts without residues or chips on the material. Fine finishes require a top quality blade.
- Cutting Speed: the number of cuts made per minute.
- Safety: the cutting band cannot, under any circumstance, break or detach during the operation. If detached, the cutting band could cause severe injuries.

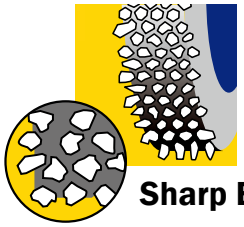
## HOW DO DIAMOND DISCS WORK?

Even though they are known as cutting tools, diamond discs are a type of abrasive that grinds away the material being worked. The diamond particles are fixed onto the band by a metal matrix called a "cutting band". While the metallic band wears down, the diamonds on the surface start breaking and are eliminated with the residue. At the same time, new diamonds appear on the surface of the band.

## SHARPENING THE BLADE

As the diamonds slowly become 'dull' or their edges become rounded, the disc will require sharpening. A dull disc is one where most of the exposed diamonds no longer have sharp edges and doesn't grind through the materials at hand.

To sharpen a disc, the metal band or matrix surrounding the dull diamond needs to be worn away so the new sharp diamond can be exposed. This can be done by cutting through an abrasive material, like a soft brick, or concrete block.



Sharp Band

Smooth Band

## WET OR DRY CUTTING?

IRWIN® Diamond Disc range features discs for wet and dry applications.

Wet Cutting: Discs for wet applications use water to cool down the cutting band and remove all residual dust.

Dry Cutting: Discs for dry applications use ventilation generated by the rotation of the blade for the same purpose. Dry discs may be used wet; however, wet discs may never be used dry.

The majority of IRWIN® Diamond Disc can be used in both, wet and dry applications; however, it is recommended to use water cooling as much as possible, in order to enhance cutting performance and disc lifetime.

## TYPE OF CUTTING DISCS

### Continuous

Continuous band features a flat, smooth cutting surface, suitable for high quality applications such as, ceramic coatings. Non interrupted cutting reduces chipping of the surface material.

### Turbo

Turbo discs offer the same finish and stability of a continuous band. Turbo discs also have the ability of cooling off and performing at a similar speed to a segmented disc.

### Segmented

Segmented discs are used for low friction applications. For cooling purposes, the gullets in the disc eliminate friction between the band and cutting materials. Segmented discs are used to cut materials that don't require high quality finish.

## Continuous

| Item No. | Diameter (mm) | Arbor (mm) | Max RPM (rpm) | Reducing Bushings | Cutting | |
|---|---|---|---|---|---|---|
| TDW105 | 105 | 20 | 15000 | 16mm | Wet/Dry | 10 |
| TDW110 | 110 | 20 | 13300 | 16mm | Wet/Dry | 10 |
| TDW115 | 115 | 22.2 | 13300 | - | Wet/Dry | 10 |
| TDW125 | 125 | 22.2 | 12000 | - | Wet/Dry | 10 |
| TDW150 | 150 | 25.4 | 10185 | 22.2 / 20mm | Wet/Dry | 10 |
| TDW180 | 180 | 22.2 | 8730 | - | Wet/Dry | 10 |
| TDW230 | 230 | 25.4 | 6790 | 22.2mm | Wet/Dry | 10 |

## Turbo

| Item No. | Diameter (mm) | Arbor (mm) | Max RPM (rpm) | Reducing Bushings | Cutting | |
|---|---|---|---|---|---|---|
| TDT105 | 105 | 20 | 15000 | 16mm | Wet/Dry | 10 |
| TDT110 | 110 | 20 | 13300 | 16mm | Wet/Dry | 10 |
| TDT115 | 115 | 22.2 | 13300 | - | Wet/Dry | 10 |
| TDT125 | 125 | 22.2 | 12000 | - | Wet/Dry | 10 |
| TDT180 | 180 | 22.2 | 8730 | - | Wet/Dry | 10 |
| TDT200 | 200 | 22.2 | 7640 | - | Wet/Dry | 10 |
| TDT230 | 230 | 25.4 | 6790 | 22.2mm | Wet/Dry | 10 |
| TDT300 | 300 | 25.4 | 5095 | 22.2/20mm | Wet/Dry | 10 |

## Segmented

| Item No. | Diameter (mm) | Arbor (mm) | Max RPM (rpm) | Reducing Bushings | Cutting | |
|---|---|---|---|---|---|---|
| TDD105 | 105 | 20 | 15000 | 16mm | Wet/Dry | 10 |
| TDD110 | 110 | 20 | 13300 | 16mm | Wet/Dry | 10 |
| TDD115 | 115 | 22.2 | 13300 | - | Wet/Dry | 10 |
| TDD125 | 125 | 22.2 | 12000 | - | Wet/Dry | 10 |
| TDD150 | 150 | 25.4 | 10185 | 22.2 / 20mm | Wet/Dry | 10 |
| TDD180 | 180 | 22.2 | 8730 | - | Wet/Dry | 10 |
| TDD200 | 200 | 22.2 | 7640 | - | Wet/Dry | 10 |
| TDD230 | 230 | 25.4 | 6790 | 22.2mm | Wet/Dry | 10 |

## Segmented Concrete

| Item No. | Diameter (mm) | Arbor (mm) | Max RPM (rpm) | Reducing Bushings | Cutting | |
|---|---|---|---|---|---|---|
| TDD355 | 355 | 50.8 | 4365 | 25.4mm | Wet/Dry | 10 |

### Machine Application Key:

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|---|---|---|---|---|---|---|---|---|---|
| 0102EL4 | 4 | 10501821 | 67 | 10501882 | 68 | 10502098 | 66 | 10502222 | 76 |
| 01T | 3 | 10501822 | 67 | 10501883 | 68 | 10502099 | 66 | 10502223 | 76 |
| 0220-D | 59 | 10501823 | 67 | 10501884 | 68 | 10502100 | 66 | 10502224 | 76 |
| 0302EL4 | 4 | 10501824 | 67 | 10501885 | 68 | 10502101 | 66 | 10502225 | 76 |
| 03T | 3 | 10501825 | 67 | 10501886 | 68 | 10502102 | 66 | 10502226 | 76 |
| 04 | 58 | 10501826 | 67 | 10501887 | 68 | 10502103 | 66 | 10502227 | 76 |
| 05 | 58 | 10501827 | 67 | 10501888 | 68 | 10502104 | 66 | 10502228 | 76 |
| 0502EL4 | 4 | 10501828 | 67 | 10501890 | 68 | 10502105 | 66 | 10502229 | 76 |
| 05T | 3 | 10501829 | 67 | 10501891 | 68 | 10502106 | 66 | 10502230 | 76 |
| 060-1/2 | 58 | 10501830 | 67 | 10501892 | 68 | 10502107 | 66 | 10502231 | 76 |
| 07 | 58 | 10501831 | 67 | 10501893 | 68 | 10502108 | 66 | 10502232 | 76 |
| 0702EL4 | 4 | 10501833 | 67 | 10501894 | 68 | 10502109 | 66 | 10502236 | 72 |
| 07T | 3 | 10501834 | 67 | 10501895 | 68 | 10502110 | 66 | 10502237 | 72 |
| 0902EL4 | 4 | 10501835 | 67 | 10501896 | 68 | 10502111 | 66 | 10502238 | 72 |
| 09-1/2 | 58 | 10501836 | 67 | 10501897 | 68 | 10502112 | 66 | 10502239 | 72 |
| 09T | 3 | 10501837 | 67 | 10501898 | 68 | 10502113 | 66 | 10502240 | 72 |
| 1 | 31 | 10501838 | 67 | 10501899 | 68 | 10502115 | 66 | 10502241 | 72 |
| 10501671 | 54 | 10501839 | 67 | 10501900 | 68 | 10502116 | 66 | 10502242 | 72 |
| 10501673 | 54 | 10501840 | 67 | 10501901 | 68 | 10502117 | 66 | 10502243 | 72 |
| 10501674 | 54 | 10501841 | 67 | 10501902 | 68 | 10502118 | 66 | 10502244 | 72 |
| 10501675 | 54 | 10501842 | 67 | 10501903 | 68 | 10502119 | 66 | 10502245 | 72 |
| 10501676 | 54 | 10501843 | 67 | 10501904 | 68 | 10502120 | 66 | 10502246 | 72 |
| 10501677 | 54 | 10501844 | 67 | 10501905 | 68 | 10502121 | 66 | 10502247 | 72 |
| 10501678 | 54 | 10501845 | 67 | 10501906 | 68 | 10502122 | 66 | 10502248 | 72 |
| 10501679 | 54 | 10501846 | 67 | 10501907 | 68 | 10502123 | 66 | 10502249 | 72 |
| 10501680 | 54 | 10501847 | 67 | 10501908 | 68 | 10502124 | 66 | 10502250 | 72 |
| 10501681 | 54 | 10501848 | 67 | 10501909 | 68 | 10502125 | 66 | 10502251 | 72 |
| 10501682 | 54 | 10501849 | 67 | 10501910 | 68 | 10502126 | 66 | 10502252 | 72 |
| 10501683 | 54 | 10501850 | 67 | 10501911 | 68 | 10502127 | 66 | 10502253 | 72 |
| 10501684 | 54 | 10501851 | 67 | 10501912 | 68 | 10502128 | 66 | 10502254 | 72 |
| 10501685 | 54 | 10501852 | 67 | 10501913 | 68 | 10502129 | 66 | 10502255 | 72 |
| 10501686 | 54 | 10501853 | 67 | 10501914 | 68 | 10502130 | 66 | 10502256 | 72 |
| 10501687 | 54 | 10501854 | 67 | 10501915 | 68 | 10502184 | 66 | 10502257 | 72 |
| 10501688 | 54 | 10501855 | 67 | 10501916 | 68 | 10502185 | 66 | 10502258 | 72 |
| 10501689 | 54 | 10501856 | 67 | 10501918 | 68 | 10502187 | 66 | 10502259 | 72 |
| 10501690 | 54 | 10501857 | 67 | 10501919 | 69 | 10502188 | 66 | 10502260 | 72 |
| 10501691 | 54 | 10501858 | 67 | 10501920 | 69 | 10502190 | 66 | 10502261 | 72 |
| 10501693 | 54 | 10501859 | 67 | 10501921 | 69 | 10502192 | 66 | 10502262 | 72 |
| 10501698 | 55 | 10501860 | 67 | 10501922 | 69 | 10502194 | 65 | 10502263 | 72 |
| 10501699 | 55 | 10501861 | 67 | 10501923 | 69 | 10502195 | 65 | 10502264 | 72 |
| 10501700 | 55 | 10501862 | 67 | 10501924 | 69 | 10502202 | 76 | 10502265 | 72 |
| 10501701 | 55 | 10501863 | 67 | 10501925 | 69 | 10502203 | 76 | 10502266 | 72 |
| 10501702 | 55 | 10501864 | 67 | 10501926 | 69 | 10502204 | 76 | 10502267 | 72 |
| 10501703 | 55 | 10501865 | 67 | 10501927 | 69 | 10502205 | 76 | 10502268 | 72 |
| 10501704 | 55 | 10501866 | 67 | 10501928 | 69 | 10502206 | 76 | 10502269 | 72 |
| 10501705 | 55 | 10501867 | 67 | 10501929 | 69 | 10502207 | 76 | 10502270 | 72 |
| 10501706 | 55 | 10501868 | 67 | 10501930 | 69 | 10502208 | 76 | 10502271 | 72 |
| 10501707 | 55 | 10501869 | 67 | 10501931 | 69 | 10502209 | 76 | 10502272 | 72 |
| 10501708 | 55 | 10501870 | 67 | 10501932 | 69 | 10502210 | 76 | 10502273 | 72 |
| 10501709 | 55 | 10501871 | 67 | 10501933 | 69 | 10502211 | 76 | 10502274 | 72 |
| 10501710 | 55 | 10501872 | 67 | 10501934 | 69 | 10502212 | 76 | 10502275 | 72 |
| 10501812 | 67 | 10501873 | 68 | 10501935 | 69 | 10502213 | 76 | 10502276 | 72 |
| 10501813 | 67 | 10501874 | 68 | 10501936 | 69 | 10502214 | 76 | 10502277 | 72 |
| 10501814 | 67 | 10501875 | 68 | 10501937 | 69 | 10502215 | 76 | 10502278 | 72 |
| 10501815 | 67 | 10501876 | 68 | 10502092 | 66 | 10502216 | 76 | 10502279 | 72 |
| 10501816 | 67 | 10501877 | 68 | 10502093 | 66 | 10502217 | 76 | 10502280 | 72 |
| 10501817 | 67 | 10501878 | 68 | 10502094 | 66 | 10502218 | 76 | 10502281 | 72 |
| 10501818 | 67 | 10501879 | 68 | 10502095 | 66 | 10502219 | 76 | 10502282 | 72 |
| 10501819 | 67 | 10501880 | 68 | 10502096 | 66 | 10502220 | 76 | 10502283 | 72 |
| 10501820 | 67 | 10501881 | 68 | 10502097 | 66 | 10502221 | 76 | 10502284 | 72 |

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| 10502286 | 72 | 10502367 | 73 | 10502588 | 77 | 10502757 | 83 | 10502838 | 82 |
| 10502287 | 72 | 10502368 | 73 | 10502590 | 77 | 10502758 | 83 | 10502839 | 82 |
| 10502288 | 72 | 10502369 | 73 | 10502591 | 77 | 10502760 | 83 | 10502840 | 82 |
| 10502289 | 72 | 10502370 | 73 | 10502592 | 77 | 10502761 | 83 | 10502842 | 82 |
| 10502290 | 72 | 10502371 | 73 | 10502593 | 77 | 10502762 | 83 | 10502843 | 82 |
| 10502291 | 72 | 10502372 | 73 | 10502594 | 77 | 10502764 | 83 | 10502844 | 82 |
| 10502292 | 72 | 10502373 | 73 | 10502595 | 77 | 10502765 | 83 | 10502845 | 82 |
| 10502293 | 72 | 10502374 | 73 | 10502596 | 77 | 10502766 | 83 | 10502846 | 82 |
| 10502294 | 72 | 10502375 | 73 | 10502597 | 77 | 10502767 | 83 | 10502850 | 77 |
| 10502295 | 72 | 10502482 | 74 | 10502598 | 77 | 10502769 | 83 | 10502851 | 77 |
| 10502296 | 72 | 10502483 | 74 | 10502599 | 77 | 10502770 | 83 | 10502852 | 77 |
| 10502297 | 72 | 10502484 | 74 | 10502600 | 77 | 10502772 | 83 | 10502853 | 77 |
| 10502299 | 72 | 10502485 | 74 | 10502601 | 77 | 10502773 | 83 | 10502854 | 77 |
| 10502300 | 72 | 10502486 | 74 | 10502602 | 77 | 10502774 | 83 | 10502855 | 77 |
| 10502301 | 72 | 10502487 | 74 | 10502618 | 78 | 10502775 | 83 | 10502884 | 78 |
| 10502302 | 73 | 10502488 | 74 | 10502619 | 78 | 10502776 | 83 | 10502886 | 78 |
| 10502303 | 73 | 10502489 | 74 | 10502620 | 78 | 10502777 | 83 | 10502888 | 78 |
| 10502304 | 73 | 10502490 | 74 | 10502622 | 78 | 10502778 | 83 | 10502889 | 78 |
| 10502305 | 73 | 10502491 | 74 | 10502624 | 78 | 10502779 | 83 | 10502890 | 78 |
| 10502306 | 73 | 10502492 | 74 | 10502626 | 78 | 10502780 | 83 | 10502892 | 78 |
| 10502307 | 73 | 10502493 | 74 | 10502627 | 78 | 10502781 | 83 | 10502894 | 78 |
| 10502308 | 73 | 10502494 | 74 | 10502631 | 78 | 10502782 | 83 | 10502896 | 78 |
| 10502309 | 73 | 10502495 | 74 | 10502633 | 78 | 10502783 | 83 | 10503419 | 54 |
| 10502310 | 73 | 10502496 | 74 | 10502636 | 78 | 10502784 | 83 | 10503421 | 54 |
| 10502311 | 73 | 10502497 | 74 | 10502641 | 78 | 10502785 | 83 | 10503423 | 55 |
| 10502312 | 73 | 10502498 | 74 | 10502642 | 78 | 10502786 | 83 | 10503425 | 55 |
| 10502313 | 73 | 10502511 | 75 | 10502643 | 78 | 10502787 | 83 | 10503426 | 55 |
| 10502314 | 73 | 10502512 | 75 | 10502646 | 78 | 10502788 | 83 | 10503428 | 55 |
| 10502315 | 73 | 10502513 | 75 | 10502649 | 78 | 10502803 | 81 | 10503429 | 55 |
| 10502316 | 73 | 10502514 | 75 | 10502651 | 78 | 10502804 | 81 | 10503430 | 55 |
| 10502317 | 73 | 10502515 | 75 | 10502656 | 78 | 10502805 | 81 | 10503431 | 55 |
| 10502318 | 73 | 10502516 | 75 | 10502659 | 78 | 10502806 | 81 | 10503531 | 50 |
| 10502319 | 73 | 10502517 | 75 | 10502661 | 78 | 10502807 | 81 | 10503532 | 50 |
| 10502320 | 73 | 10502518 | 75 | 10502666 | 78 | 10502808 | 81 | 10503533 | 50 |
| 10502321 | 73 | 10502519 | 75 | 10502671 | 78 | 10502809 | 81 | 10503534 | 50 |
| 10502322 | 73 | 10502520 | 75 | 10502676 | 78 | 10502810 | 81 | 10503535 | 50 |
| 10502323 | 73 | 10502524 | 75 | 10502680 | 78 | 10502811 | 81 | 10503543 | 45 |
| 10502324 | 73 | 10502527 | 75 | 10502685 | 78 | 10502812 | 81 | 10503544 | 45 |
| 10502325 | 73 | 10502529 | 75 | 10502689 | 78 | 10502813 | 81 | 10503545 | 45 |
| 10502326 | 73 | 10502530 | 75 | 10502690 | 78 | 10502814 | 81 | 10503546 | 45 |
| 10502327 | 73 | 10502531 | 75 | 10502691 | 78 | 10502815 | 81 | 10503547 | 45 |
| 10502328 | 73 | 10502532 | 75 | 10502692 | 78 | 10502816 | 81 | 10503564 | 39 |
| 10502329 | 73 | 10502533 | 75 | 10502693 | 78 | 10502817 | 81 | 10503565 | 39 |
| 10502330 | 73 | 10502534 | 75 | 10502695 | 78 | 10502818 | 81 | 10503566 | 39 |
| 10502331 | 73 | 10502535 | 75 | 10502697 | 78 | 10502819 | 81 | 10503567 | 39 |
| 10502333 | 73 | 10502536 | 75 | 10502738 | 83 | 10502820 | 81 | 10503568 | 39 |
| 10502336 | 73 | 10502537 | 75 | 10502739 | 83 | 10502821 | 81 | 10503569 | 39 |
| 10502337 | 73 | 10502538 | 75 | 10502740 | 83 | 10502822 | 81 | 10503570 | 39 |
| 10502338 | 73 | 10502539 | 75 | 10502741 | 83 | 10502823 | 81 | 10503571 | 39 |
| 10502339 | 73 | 10502540 | 75 | 10502742 | 83 | 10502824 | 82 | 10503572 | 39 |
| 10502341 | 73 | 10502541 | 75 | 10502744 | 83 | 10502825 | 82 | 10503573 | 39 |
| 10502343 | 73 | 10502572 | 77 | 10502745 | 83 | 10502826 | 82 | 10503574 | 39 |
| 10502346 | 73 | 10502573 | 77 | 10502747 | 83 | 10502830 | 82 | 10503575 | 39 |
| 10502351 | 73 | 10502574 | 77 | 10502748 | 83 | 10502831 | 82 | 10503576 | 39 |
| 10502356 | 73 | 10502575 | 77 | 10502749 | 83 | 10502832 | 82 | 10503577 | 39 |
| 10502361 | 73 | 10502576 | 77 | 10502751 | 83 | 10502833 | 82 | 10503578 | 39 |
| 10502363 | 73 | 10502580 | 77 | 10502752 | 83 | 10502834 | 82 | 10503579 | 39 |
| 10502364 | 73 | 10502581 | 77 | 10502754 | 83 | 10502835 | 82 | 10503622 | 51 |
| 10502365 | 73 | 10502583 | 77 | 10502755 | 83 | 10502836 | 82 | 10503623 | 51 |

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| 10503625 | 51 | 10505309 | 51 | 10506623 | 80 | 10507564 | 65 | 11T | 3 |
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| 10503670 | 55 | 10505490 | 9 | 10506629 | 82 | 10507570 | 65 | 120/8 | 34 |
| 10503817 | 61 | 10505492 | 9 | 10506929 | 64 | 10507571 | 65 | 121/10 | 34 |
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| 10503819 | 61 | 10505494 | 8 | 10506933 | 64 | 10507573 | 65 | 121/3 | 34 |
| 10503820 | 61 | 10505495 | 8 | 10506934 | 64 | 10507602 | 80 | 121/4 | 34 |
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| 10503825 | 62 | 10505503 | 8 | 10506940 | 64 | 10507629 | 7 | 13-250 | 52 |
| 10503826 | 62 | 10505504 | 8 | 10506941 | 64 | 10507676 | 47 | 135/2 | 40 |
| 10503827 | 62 | 10505505 | 8 | 10506943 | 64 | 10507679 | 47 | 135/3 | 40 |
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| 10503829 | 62 | 10505517 | 9 | 10506945 | 64 | 10507684 | 47 | 135/5 | 40 |
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| 10503832 | 62 | 10505542 | 50 | 10506950 | 64 | 10507872 | 64 | 135/9 | 40 |
| 10503843 | 65 | 10505543 | 49 | 10506951 | 64 | 10507873 | 64 | 136/11 | 40 |
| 10503846 | 67 | 10505548 | 50 | 10506952 | 64 | 10507874 | 64 | 136/5 | 40 |
| 10503855 | 74 | 10505549 | 50 | 10506954 | 64 | 10507875 | 64 | 136/6 | 40 |
| 10503856 | 74 | 10505705 | 51 | 10506956 | 65 | 10507876 | 64 | 136/7 | 40 |
| 10503858 | 74 | 10505707 | 52 | 10506957 | 65 | 10507877 | 64 | 136/9 | 40 |
| 10503989 | 74 | 10505822 | 22 | 10506958 | 65 | 10507878 | 64 | 13946 | 44 |
| 10503990 | 75 | 10505823 | 21 | 10506960 | 65 | 10507879 | 65 | 13947 | 44 |
| 10503991 | 77 | 10505865 | 10 | 10506961 | 65 | 10507880 | 65 | 13948 | 44 |
| 10503992 | 76 | 10505866 | 10 | 10506963 | 65 | 10507881 | 65 | 13949 | 43 |
| 10503993 | 69 | 10505867 | 10 | 10506964 | 65 | 10507882 | 65 | 13950 | 43 |
| 10504236 | 22 | 10505868 | 10 | 10506966 | 65 | 10507883 | 65 | 13951 | 43 |
| 10504237 | 22 | 10505869 | 10 | 10506972 | 65 | 10507884 | 65 | 13T | 3 |
| 10504238 | 22 | 10505870 | 10 | 10507000 | 65 | 10507885 | 65 | 1402EL4 | 4 |
| 10504239 | 22 | 10505871 | 10 | 10507003 | 64 | 10507886 | 65 | 14T | 3 |
| 10504240 | 21 | 10505872 | 10 | 10507004 | 64 | 10507887 | 65 | 1502EL4 | 4 |
| 10504241 | 21 | 10505873 | 10 | 10507006 | 64 | 10507888 | 65 | 15T | 3 |
| 10504243 | 21 | 10505874 | 10 | 10507102 | 23 | 10507889 | 65 | 1602EL4 | 4 |
| 10504245 | 21 | 10505875 | 8 | 10507103 | 23 | 10507890 | 65 | 165EL4 | 5 |
| 10504246 | 21 | 10505876 | 8 | 10507104 | 23 | 10507891 | 65 | 17EL4 | 4 |
| 10504247 | 21 | 10505877 | 8 | 10507106 | 23 | 10508017 | 4 | 17T | 3 |
| 10504249 | 21 | 10505942 | 37 | 10507107 | 23 | 10508018 | 4 | 181C | 18 |
| 10504250 | 21 | 10505943 | 37 | 10507424 | 50 | 10508019 | 4 | 182C | 18 |
| 10504251 | 21 | 10505944 | 37 | 10507546 | 64 | 1002EL4 | 4 | 183C | 18 |
| 10504408 | 28 | 10505945 | 37 | 10507547 | 64 | 10504309N | 26 | 18DR | 5 |
| 10504409 | 28 | 10505946 | 37 | 10507548 | 64 | 10504310N | 26 | 18EL4 | 5 |
| 10504418 | 74 | 10505947 | 37 | 10507549 | 64 | 10504311N | 26 | 18R | 4 |
| 10504420 | 74 | 10506458 | 21 | 10507551 | 64 | 10504313N | 26 | 18SP | 5 |
| 10504530 | 28 | 10506531 | 61 | 10507552 | 64 | 10504314N | 26 | 19EL4 | 4 |
| 10504531 | 28 | 10506532 | 61 | 10507553 | 64 | 10504315N | 26 | 19T | 3 |
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| 10504557 | 23 | 10506535 | 61 | 10507555 | 64 | 106-150 | 51 | 23 | 30 |
| 10504561 | 23 | 10506543 | 23 | 10507557 | 64 | 10LW | 5 | 25 | 30 |
| 10504562 | 23 | 10506544 | 23 | 10507558 | 64 | 112 | 30 | 202 | 17 |
| 10504566 | 23 | 10506546 | 23 | 10507559 | 65 | 114 | 30 | 240 | 17 |
| 10504567 | 23 | 10506547 | 23 | 10507560 | 65 | 119/2 | 34 | 233250 | 47 |
| 10504714 | 21 | 10506620 | 80 | 10507561 | 65 | 119/3 | 34 | 2089100 | 22 |
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