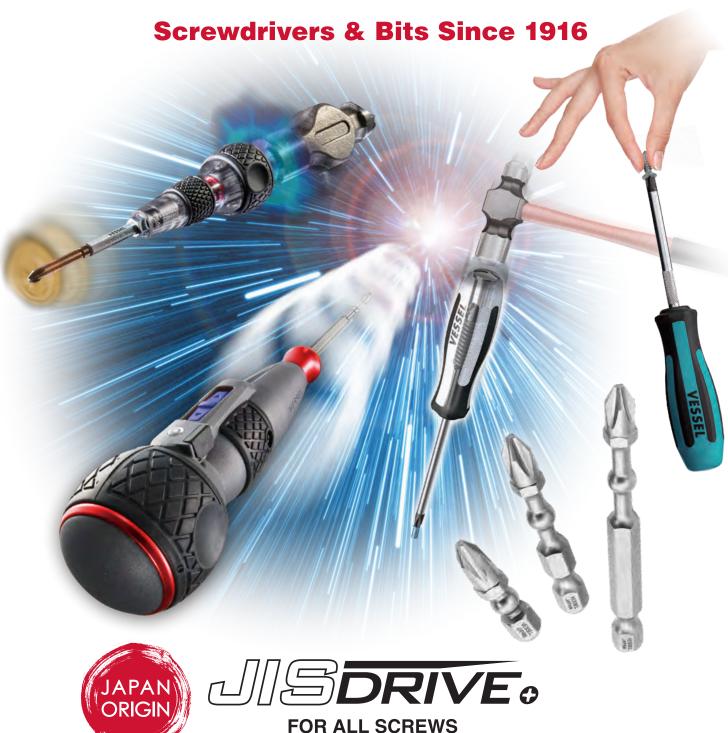
VESSEL®



VESSEL Co., Inc.
Osaka Japan

VESSEL TOOLS U.S.A., INC.

www.vessel.co.jp/english

vesseltoolsusa.com



VESSEL GROUP



VESSEL Co., Inc.

- * H/Q of Management / sales * Osaka branch
- * Hanna Real Estate





• VESSEL INDUSTRIAL CO., LTD.

- * Hand Screwdrivers
 * Wire Strippers, etc.

• VESSEL FUKUCHIYAMA CO., LTD. OSADANO PLANT

- * Air Impact Wrenches * Air Nippers







"GREEN" Home Center Div.



• VESSEL ENGINEERING CO., LTD.

* Air Screwdrivers * Air Micro Die Grinders



• VESSEL FUKUCHIYAMA CO., LTD. SP NAGANO PLANT







14001

9001:2015

• VESSEL SHIMANE CO., LTD. * Screwdriver Bits / Socket Bits



● VESSEL CHINA (WEIWEI TOOLS) CO., LTD. ● VESSEL (THAILAND) CO., LTD.



"GREEN" Home Center Manufaturing Division Logistics Division

OUR VALUES





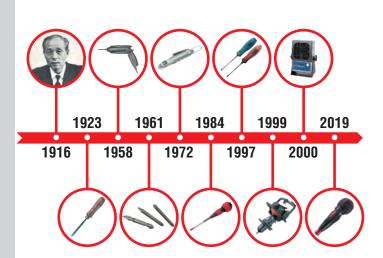




HISTORY

We are a Japanese tool manufacturer with over 100 years of history.

Since its foundation in 1916 by Ginosuke Taguchi in Japan as a screwdriver manufacturer, VESSEL has been developing and manufacturing bits, air and electric tools, anti-static products, and more. In 1933, VESSEL was named after the word's definition for "large merchant ship" as our vision is to deliver VESSEL products all over the world. Responding to the needs of our customers in the world with technology and ideas that have been cultivated for more than a century, we have created and will create innovative high-quality products.



VESSEL is a Leading Company in Japan.















What is JIS DRIVE?

JIS means Japanese Industrial Standards. This standard is applied for Japanese Standards screws, and is mainly used in Japanese-made cars, motorcycles, home appliances, etc.

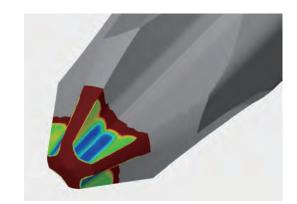
The tips of VESSEL screwdrivers and bits are manufactured in accordance with JIS. In addition, <u>VESSEL has developed its</u> own in-house standards to achieve even higher precision and quality tips.



Why FOR ALL SCREWS?

As shown in the picture, VESSEL
JISDRIVE was developed with the concept
that the 4 sides of the tip (shown as blue)
should fit the screw evenly, allowing you to
turn screws with confidence.

As a result, VESSEL tips can fit any standard screws and transmit force without loss of power.



Distance from Tip to Screw

Close Fit Poor Fit



In 1950, Osawa Shokai Co., Ltd. was the first company in Japan to obtain a license for Phillips screws, and VESSEL was commissioned to produce their Phillips screwdrivers.

VESSEL was involved in the establishment of the JIS as a representative of tool manufacturers, and this tip was called JIS B-1012. These JIS screwdrivers are now used for audio players, automobiles, motorcycles, and other industrial products in Japan and around the world.

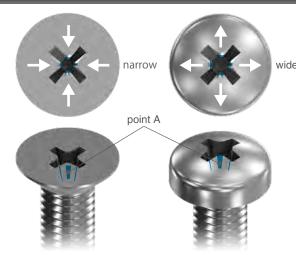
VESSEL's original "cross-point tips" that have been refined over many years of industrial experience are called JISDRIVE.

This is the Key Point!

Point A (blue area in the picture) is the common dimension in all standards, in JIS, ASME, ANSI and DIN.

In addition to that, in screw manufacturing, Point A is known as the most stable and accurate point of contact with the fewest deformation points.

VESSEL JISDRIVE is designed to fit all screws around the world by closely matching with the point A region of screws.



Cross recess is easily deformed when forming screws.

Countersunk screw: cross entrance may become narrow

Pan head screw: cross entrance may widen

Competitive Advantages!

Company A:

The tip contacts at the bottom of screw hole, and the driver becomes wobbly.

Company B:

The tip contacts near the entrance of the screw hole. It appears to fit well, but it actually doesn't. This can damage the screw hole.

>Both may not fit depending on the standard or screws, and can cause breakage or cam-out.

VESSEL JISDRIVE:

The tip fits extremely well, and there is a space between the tip and screw.

>Thereby, the blue part (all 4 sides of the tip) fits the screw evenly, allowing you to turn screws with confidence.

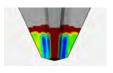
JIS DRIVE

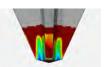
Company A

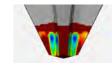
Rest fittinal

Company B

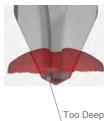
Poor F













 $\mathbf{3}$

e-ASSIST™ Screwdrivers

220USBP5U





>> P8

Interchangeable Precision Screwdriver 36PC. Bit Set 9836U



>> P26

JISDRIVE Screwdriver Sets 9806 / 2304 / 7304 JSPB









IMPACT & OUT™ Series 238HWB7PU



IMPACT©OUT™

>>P12

Micro Screwdrivers 5PC.Set 99005 4 models



>> P26

IMPACT BALL™ Torsion Bit Sets

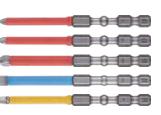




IMPACT**⊘BALL™** >>P41

IMPACT BALL™ Bit with Coated Tube Sets

IBC5P01



MEGADORA™ Interchangeable

MEGADORA

Speed L-Handle / Power Driver

>>P15

>>P27

Ratchet Screwdriver

900RT5PU

2WAY Series

SLH21U / 400PD21U

IMPACT**⊘BALL™** >>P41

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O.



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e-ASSIST™ Screwdrivers

e-ASSIST™

Bits

ELECTRIC & MANUAL



Do your work more efficiently, Easy to use.



Product Video









(

	[22009RP50]	[22009810]	[220098220]	[220098910]
Speed	[Slow] 280rpm [Medium] 340rpm [High] 400rpm	280	1,200rpm	
Torque (Electric)	[Slow] 10.6lbf-in [Medium] 14.2lbf-in [High] 17.7lbf-in	17.7	3.5lbf-in	
Torque (Manual)	106.2lbf-in	88.5	88.5lbf-in	
Weight	0.37lb	0.35lb	0.35lb (Tool Only) 1.2lb(Set)	0.35lb
Size (Inch)	5-3/4" -5/8" 1-9/16"	5-1	1-9/16"	5-1/2" -5/8" 1-9/16"
Charging Type	USB Type-C		B Type-B	Micro USB Type-B
Anti-lanyard	Attachable	Not atta	achable	Not attachable
	5pcs	1pc	25pcs	1pc

(

e-ASSIST™ Screwdriver <Higher Torque Model>

Electric output 17.7lbf-in (2.0N·m), No-load speed 280rpm, Manual torque up to 88.5lbf-in (10.N·m) Electric power for quick tightening and Manual for final tightening.



• USB Charging Cable (Micro USB Type B) (1m)×1pc

Model No.		[] (mm)	- - (mm)		Code
220USB1U	⊕2	90*1	43	140*2	148514

*1 Bit *2 Tool Only

e-ASSIST™ Screwdriver with 25 PC. Bit Set

- Electric output 17.7lbf-in(2.0N·m), No-load speed 280rpm, Manual torque up to 88.5lbf-in(10.N·m) • With 24pc of bits and 1pc of bit holder.
- Electric power for quick tightening and Manual for final tightening.
- With High Brightness LED light.
- Built in USB Recharge Li-ion Battery (3.6V-800mAh).
- 6.35mm HEX shank.

VESSEL









Package

size (mm)

184x123x67 148527 *1 Bit only *2 Bit Holder only *3 Tool only

Up to 88.5 lbf-in

Code

Up to **88.5** lbf-in



Model No.	Drive Size Overall Length	Code
USB45BSQ2S10	1/4" 58	487050

e-ASSIST™ Screwdriver <Higher Speed model>

• 220USB1U(Higher Torque model)×1pc • Impact Ball Torsion Bit (30mm) ×24pc Impact Ball Bit holderx 1pc
 USB Charging Cable (Micro USB Type B) (1m)x1pc

140*3



Model No.

220USB25U 30*1/67*2

- 220USBS1U×1pc Impact Ball Torsion Bit (⊕2×90mm)×1pc
- USB Charging Cable (Micro USB Type B) (1m)×1pc

Model No.		(mm)	- m -(mm)	(mm)	Code
220USBS1U	⊕2	90*1	43	140*2	148515
				*1 8	Bit *2 Tool Only

e-ASSIST™ Screwdriver <3 Adjustable Speeds Model>

Electric output [10.6lbf-in.14.2lbf-in.17.7lbf-in] No-load speed [280rpm, 340rpm, 400rpm], Manual torque up to 88.5lbf-in • Electric power for quick tightening and Manual for final tightening.

With High Brightness LED light.Built in USB Recharge Li-ion Battery (3.6V-800mAh).

• Charging Port (USB type C)

Attachable Anti-drop lanyard attachment hole

• 6.35mm HEX shank.

10.6 lbf-in 280 rpm 14.2 lbf-in 320 rpm Up to 106.2 lbf-in

17.7 lbf-in **400** rpn

 $(\oplus 2\times 90\text{mm})\times 2\text{pcs}, (\oplus 3\times 90\text{mm})\times 1\text{pc}, (\ominus 6\times 90\text{mm})\times 1\text{pc}, (SQ2\times 90\text{mm})\times 1\text{pc}$ • USB Charging Cable (USB Type C) (1m)×1pc

Model No. Code 140*2 220USBP5U 90*1 43 148530

*1 Bit *2 Tool Only

Socket Adapter with Hex Bolster

• 220USB Socket Adapter, Spanner Holder (B Type)

• The hexagonal bolster (H10mm) enables use of a wrench for powerful tightening and loosening of hard screws.

• The SQ 1/4" socket head is convenient for various bolts and nuts.

Press-fit type. 8 times more durable than fully machined sockets.
 Compatible with VESSEL e-ASSIST Screwdrivers (220USB series)

Contents • 220USBP1U×1pc Impact Ball Torsion Bit



		DRY
th	Code	

VESSEL can offer wide ranges of screwdriver bits for e-ASSIST series

7 30X (19)

See page 41 for more details.

VESSEL HAND TOOLS/SCREWDRIVERS



General type

in the handle.

END CAP TYPES

Type in which a shank is held

GRIP TYPES

comfortable screw tightening

Tang-Thru type
A shank is installed through the handle so that the screwdriver can be used for position adjustment or screw-hole

correction by tapping the head with a hammer.

Designed to fit the palm of the hand ensuring

VESSEL®-developed non-slip surface for the

transmission and screwing even with oily hands.

WOOD COMPO series enables torque



SHANK TYPES

Good precision and durability refined over decades in assembly lines. Chrome vanadium steel that improves the shank strength.

Cr (chromium): hardens the tip.

V (vanadium): makes the tip tough.

MO (molybdenum): improves strength, hardness, and even toughness.

Bolt shank, diameter of 8 mm or less With hexagonal bolster for spanner

Standard shank

Popular shank diameter and length based on various standards

Thin shank, diameter of 4 mm

Long slender shank to avoid interference even in a narrow area

Suitable for screw tightening in deep area

Short shank suitable for work

IMPACT & OUT / Impacta

For removing stuck, rusted and distorted screws.Unscrew stubborn and stripped screws with Hammer Impacting technology.Blade turns 12° counterclockwise when striking with a hammer.











Cushion handle

Non-slip

Elastic elastomer grip offering large tightening force.

Ball Grip

Transmits ample tightening force to screw with a comfortable grip that fits the palm.



Wood handle

Made of natural wood using a 100+ year old traditional technique.



Designed to transmit a minute force efficiently. Intended for precision work.



Armor Grip

Ergonomic Soft Surface Grip with firm armor-like structure



Stubby shank

in a confined area



Magnetized Tip-End

The tip-end is strongly magnetized to capture screws for better work efficiency.





/AW/SFIT

Fine protrusions are added to the tip-end by special machining. These protrusions bite firmly into the screw head recess and prevents cam-out of the bit.



Black Oxide tips have high precision and are resistant to the effects of plating layer thickness.



Hexagon bolster Enables use of a spanner,

etc. to retighten screws or loosen stuck screws.







IMPACT & OUT™

IMPACT & OUT™

Wrenches

11



SCAN HERE TO LEARN MORE!			MPACTOOUT	
Item	238HWB7PU	238HWB2PU	HZB10P01	B39K10P01
Description	Screwdriver & 7PC. Bit Set	Screwdriver & Screw Removal Kit	Screw Removing Bit ASSORTMENT	Striking Bit ASSORTMENT
Package Includes	· Screwdriver Grip · 6 Bits (Black / Impact Rated) Standard use & Striking ⊕2 ⊕3 ⊖SL6 ⊖SL7 ⊕T25 ⊕T30 · Screw removing bit For ⊕2 · Pouch	·Screwdriver Grip ·Screw Removing Pliers ·Screw removing bit For ⊕2 ·Pouch	·10 Screw removing bits For ⊕ ⊕1 ⊕2x2pcs ⊕3x2pcs For ⊚ ⊕H2 ⊚H2.5 ⊕H3 ⊚H4 ⊕H5 ·Bit Belt	· 10 Bits (Black / Impact Rated) Standard use & Striking ⊕ 2x2pcs ⊕ 3x2pcs ⊕ T25x2pcs ⊕ T30x2pcs ⊖ SL6 ⊖ SL7
Screwdriver Mechanism	·End cap designed for ham ·Blade turns 12° counterclo when striking with a hamr ·Hex bolster for applying m	ockwise ner	-	-
Bit Size		4" Length (100mm) 🙋	
7-11119	· 6 Bits (Black / Impact Rated) Standard use & Striking	·1 Bit (White) ** For screw removal only usable with electric	·10 Bits (White) For screw removal only usable with electric	· 10 Bits (Black / Impact Rated) Standard use & Striking

Note: Cannot be used for removing high hardness screws (Drilling screws, Drywall screws, Stainless screw, and so on). Only bits included can be used for hammering.

For Screw removal only

· A pair of Pliers

·1 Bit (White) 🥨

usable with electric

impact drivers

For screw removal only

Bit Functions

IMPACT & OUT™ Screwdriver & 7PC. Bit Set

- End Cap designed for hammer Striking • Cam mechanism allows for 12-degree reverse rotation when
- Hex Bolster for Applying more torque
- Includes 6 assorted standard bits and 1 screw removal only bit (⊕2, ⊕3, ⊖SL6, SL7, TX25, TX30, and ⊕2 screw removal only)
- 1 screw removal only bit has wedge shaped blades that bite into
- damaged screws · Comes with storage pouch
- Made in Japan





Model No. / Code	Set Contents
238HWB7PU	Screwdriver Grip, Screw removing Bit $\oplus 2x100$,
125255	6 Striking bits ⊕2,3 / ⊝SL6,SL7 / T25,T30

IMPACT & OUT™ Screw Removing Bit ASSORTMENT

- Impact & Out Screw Removing Bit ASSORTMENT
 Bits for Screw Removal only 8 Assortment Bits (⊕1, ⊕2 x 2,⊕3 x 2 , H2, H2.5, H3, H4, H5mm) 1999-1 • The newly developed tip-end enables stuck screws to be removed.
 - Wedge-Shaped Tip and Cam-Out prevention
 - Can be used with Electric Impact Driver
 - Made in Japan







Model No. Set Contents Screw removing bits ⊕1, ⊕2x2pcs HZB10P01 ⊕3x2pcs / H2, H2.5, H3, H4, H5

IMPACT & OUT™ Screwdriver & Screw Removal Kit



- Impact & Out Screwdriver & Screw Removal Kit
- End Cap designed for hammer Striking • Cam mechanism allows for 12-degree reverse rotation when
- Hex Bolster for Applying more torque
- Includes 1 screw removing Bit (⊕2) & A pair of Screw Removing
- The serrations on the tip catch screws (Plier)
- Even screws with thin heads such as truss screws can be firmly gripped (Plier)

 Comes with storage pouch
- Made in Japan



238HWB2PU Screwdriver Grip, Screw removing bit ⊕2x100, 125254 Screw Removing Pliers

IMPACT & OUT™ Striking Bit ASSORTMENT



- Impact & Out Striking Bit ASSORTMENT
- Set Includes ⊕2×2pc, ⊕3×2pc, T25×2pc, T30×2pc, SL6, SL7 (4" Length)
- For Removal of a rusted or stuck screw with a hammer and
 - for standard use • Made in Japan



Model No.

Set Contents

B39K10P01 Striking bits \(\pm 2x2pcs\), \(\pm 3x2pcs/\) ⊖SL6, SL7 / T25x2pcs, T30x2pcs

IMPACT & OUT™

Wrenches

NECK TORSION™

MEGADORA™ Screwdrivers

MEGADORA™

Screwdrivers

MEGADORA™ Screwdrivers

Wrenches

MEGADORA™

BLACK POINT TIP

MG

CHROME VANADIUM STEEL SHANK

KNURLED SHANK FOR QUICK TURNING

CUSHIONED HEXAGONAL CROSS

SECTION CORNERS



Product Video

Bites Into Screws and Reduces Cam-out

FEATURING /AWSFIT



REDUCES CAM-OUT

MEGADORA™ Tang-Thru Screwdriver

- Cross Point JAWSFIT tip that firmly grips screws
- Tang-Thru shank with large steel capWith a hexagonal bolster for additional wrenching



Model No.	1		I	_		Code
930S5575	⊖ SL5.5	0.8	75(3")	30	175	8 125711
930S6100	SL6	0.9	100(4")	34	213	10 125712
930S6150	SL6	0.9	150(6")	34	263	10 125713
930S8150	SL8	1.1	150(6")	36	278	12 125714
930P175	1 JAWSFIT.		75(3")	30	176	8 125715
930P2100	2 JAWSFIT.		100(4")	34	213	10 125716
930P2150	2 JAWSFIT.		150(6")	34	263	10 125717
930P3150	3 JAWSFIT.		150(6")	36	278	12 125718

Reduce Cam-Out

Suitable for a variety of screws from machine screws to wood screws, and especially for car repairs as well as electric work, electronics



MEGADORA™ Screwdriver

- Cross Point JAWSFIT tip that firmly grips screws
- · Useful knurled blade for quick and slipless driving



Magnetic

Magnetic

Model No.	Ĭ			-	(mm)	Code
900S5575	⊖SL5.5	8.0	75(3")	30	175	125701
900S6100	SL6	0.9	100(4")	34	210	125702
900S6150	SL6	0.9	150(6")	34	260	125703
900S8150	SL8	1.1	150(6")	36	275	125704
900P175	1 JAWSFIT.		75(3")	30	175	125705
900P2100	2 JAWSFIT.		100(4")	34	210	125706
900P2150	2 JAWSFIT.		150(6")	34	260	125707
900P3150	3 JAWSFIT.		150(6")	36	275	125708
903PZ175	⊕ PZ1		75(3")	30	175	267254
903PZ2100	PZ2		100(4")	34	210	267255
903PZ3150	PZ3		150(6")	36	275	267256

MEGADORA™ Stubby Screwdriver

• Cross Point JAWSFIT tip that firmly grips screws

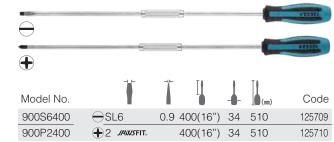
• 1"(25mm)-long blade, ideal for works in a narrow place



Model No.	1		I	-	(mm)	Code
920S625	⊖SL6	0.9	25(1")	36	75	125752
920P125	1 JAWSFIT.		25(1")	36	75	125753
920P225	2 JAWSFIT.		25(1")	36	75	125754

MEGADORA™ Screwdriver Extra Long Type

- Cross Points JAWSFIT tip that firmly grips screws
- Ideal for work in deep places
- Useful for adjustment of automotive headlight and hose band removal • Knurled guide sleeve to minimize run-out due to its long blade
- and ensure stable operation



MEGADORA™ Thin Shank Screwdriver

• Precision type with 4 mm or smaller blade diameter • High precision black point tip, which is unaffected by the plating thickness



Model No.	Ĭ	-11-	I	_	[] (mm)	Code
910S375	⊖SL3	0.4	75(3")	21	153	125746
910S3100	SL3	0.4	100(4")	21	178	125747
910S475	SL4	0.5	75(3")	21	153	125748
910S4100	SL4	0.5	100(4")	21	178	125749
910S4150	SL4	0.5	150(6")	21	228	125750
910S4200	SL4	0.5	200(8")	21	278	125751
910P075	① 0		75(3")	21	153	125742
910P0100	0		100(4")	21	178	125743
910P175	1		75(3")	21	153	125744
910P1100	1		100(4")	21	178	125745

Magnetic

Magnetic Wrenches

NECK TORSION™



MEGADORA™ Screwdrivers

MEGADORA™

Wrenches

15

Screwdrivers 72-tooth gear ratchet for comfortable operation



IMPACT**⊘BALL™**

Non slip ergonomic handle by triple structure injection molding

with fine turning.

Fits well in the palm of the hand

MEGADORA™ Clip Remover

- Applicable for both large and small clips used in automobiles
- Smooth surface finish chrome plating to avoid making scratches on a painted metal parts
- Easy removing of door trim and wire binding clips by its optimum leverage angle in



MEGADORA™ Interchangeable Ratchet Screwdriver 5PC. Bit Set

- Impact rated Bits: Using New Alloy Steel "VoHA" (VESSEL Outstanding High-Performance Alloy) Highest Hardness 62 HRC
- Impact rated Bits : High Durability via shock absorption at
- Comes with storage pouch



Model No.

Screwdriver Grip, bits ⊕1,2,3 / ⊖SL4,SL6, storage pouch

MEGADORA™ Insulated Screwdriver







_ / r	Model No.	Ī		I	-	[] (mm)	Code
_	960S575	⊖SL5	0.8	75(3")	30	177	125824
d S	960S6100	SL6	1	100(4")	34	212	125825
_	960S8150	SL8	1.2	150(6")	36	277	125826
S	960P175	⊕ 1		75(3")	30	177	125821
_	960P2100	2		100(4")	34	212	125822
r	960P3150	3		150(6")	36	277	125823
-	Model No.				-	[mm)	Code
	960PS2100	⊕PS2		100(4")	34	212	125827
_	960PS3150	PS3		150(6")	36	277	125828

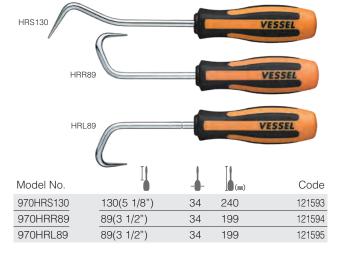
MEGADORA™ Chisel-Type Screwdriver Magnetic

- Using special high quality steel for cold chisel use; 58HRC and pursuing abrasion resistance
- · Reducing gripping fatigue by shock-absorbing Elastomer resin · Less deformative large steel cap with carburizing and quenching



Model No.				-	(mm)	Code
970C7100	7(9/32")	1.5	100(4")	34	213	125722
970C95120	9.5(3/8")	1.7	120(4 3/4")	36	248	125732

MEGADORA™ Hose Remover





For removing stuck,

rusted, or stripped screws.

Stuck screw Rusted screw Distorted screw

MEGADORA IMPACTA™ **Impact Driven Screwdriver**



• Tang-Thru shank and steel cap with cam rotation mechanism High precision black point tip



Model No.		I	-	(mm)	Code	
980P2100	① 2	100(4")	34	213	125941	
980P2150	2	150(6")	34	263	125942	
980P3150	3	150(6")	36	278	125943	

BALL GRIP™ Screwdrivers

Long Life Design products

Released in 1984 by inheriting the design of

the "screwdriver for electrical work" of the

1930's. This enables turning while pressing

ordinary screwdrivers. In recognition of its

evolution in response to changes in the

the Long Life Award in 2021.

down, reducing fatigue by 20% compared to

environment and market, the product received

BALL GRIP™ Screwdrivers

Wrenches

LONG LIFE DESIGN support the changing times and society.

1984 No.220 Ball-Grip Screwdriver

1990 No.225

Ball-Grip Screwdriver(With covered shank)

1994 No.230 2000 No.220F

Ball-Grip Tang-Thru Screwdriver

Free-Turning Ball Grip Screwdriver

2012 No.220W Ball Grip (Bit-replaceable grip)

2014 No.250 Tang-Thru Screwdriver

2015 No.2200 Ball Ratchet Screwdriver

Ball Grip (Bit-replaceable Tang-Thru grip)

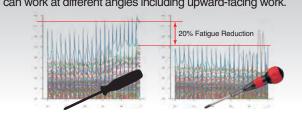
2018 No.220USB-1 e-ASSIST Screwdriver

> 2020 No.200 Ball-Grip Insulated Screwdriver

POINT

Reduce your fatigue by 20%

BALL GRIP™ Screwdriver can reduce fatigue by 20% compared to straight grip screwdrivers based on a musculoskeletal system analysis. With stable pressing force, you can work at different angles including upward-facing work.



BALL GRIP™ Screwdriver



• Transmits sufficient tightening force to screw

High precision black point tip



BALL GRIP™ Screwdriver

220P3150



125374

• Our original ergonomic BALL GRIP™ handle enables both quick and power driving,

150(6") 41 250

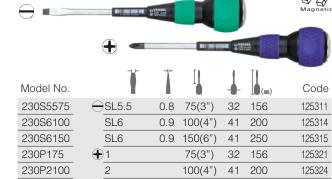
and reduces fatigue compared to a traditional cylindrical handle.

Transmits sufficient tightening force to screw

		N/Januari	Vesse	
Model No.		<u> </u>		(mm)
220SQ1100	■SQ1	100(4")	32	181
220SQ2150	SQ2	150(6")	32	250
220SQ3150	SQ3	150(6")	41	250
2203SQ	SQ1x100, S	Q2x150, SQ3	3x150)

BALL GRIP™ Tang-Thru Screwdriver

Cushion grip color-coded by ⊕⊖



• Large nut for easy hammering • Transmits sufficient tightening force to screw

· High precision black point tip BALL GRIP™ Screwdrivers

230P2150 150(6") 41 250 125325

BALL GRIP™ Tang-Thru Screwdriver w/Ceramic Ball



• Incorporates a ceramic ball that prevents electricity from being conducted

 Uses zirconia ceramic that is highest strength, stiffness, and abrasion resistance among ceramics

• The large steel cap for easy hammering

POINT

High precision black point tip

Model No. Code 112105 250S6100 ⊖SL6 100(4") 41 200 0.9 SL6 0.9 150(6") 41 250 112106 250S6150 250S8150 SL8 1.1(3/64")150(6") 41 250 112109 112107 250P2100 100(4") 41 200 150(6") 41 250 112108 250P2150 250P3150 150(6") 41 400 112110

Ceramic ball blocks electricity [No.250]

It can be used for various electrical and

can be "hit with a hammer and used

for electricity-related work.'

mechanical equipment as a screwdriver that

NECK TORSION™

18

BALL GRIP™ Screwdrivers

BALL GRIP™

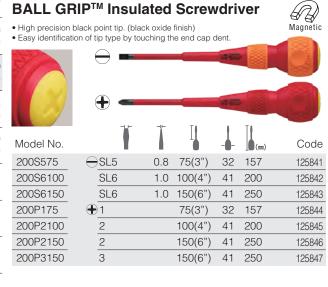
Screwdrivers

BALL GRIP™ Screwdrivers

Wrenches

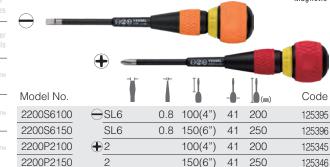
2200P3150

19



BALL RATCHET™ Screwdriver

- 36-tooth gear ratchet for comfortable operation with fine tuning. Blade cover to prevent electrical short circuit.
- Using special alloy steel used for power tool bit,
- Fully hardened and Interchangeable blade. Reduced or slim blade for convenience when using in a terminal block.



BALL RATCHET™ Screwdriver Replacement Blade

150(6") 41 250

125347

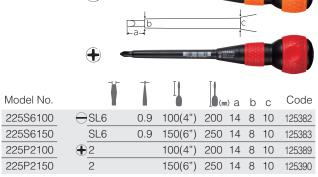
• Using special alloy steel used for power tool bit, fully hardened





BALL GRIP™ Screwdriver w/ Covered Shank

- Resin-covered shank. It prevents electrical short circuit.
- Transmits ample tightening force to screw.
- Cushion grip is marked ⊕⊖ for quick identification



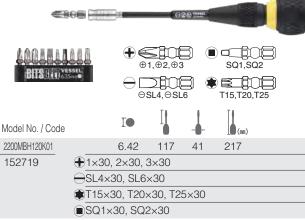
BALL GRIP™ Interchangeable Ratchet Screwdriver

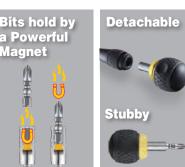
- 36-tooth gear ratchet for comfortable operation with fine tuning.
- · Bits are replaceable
- · Comes with one bit piece



BALL GRIP™ Interchangeable Ratchet Screwdriver 10PC. Bit Set

- 36-tooth gear ratchet for comfortable operation with fine tuning.
- Bits are replaceable. . With 10pc of bits and bit holding belt.





6-tooth Gea

BALL GRIP™ Interchangeable grip

- Elastic grip assures reliable tightening.
- Compatibility with a 1/4"(6.35mm) hex drive bit enables use as a familiar ball grip screwdriver.



Model No. / Code	Set Contents	
220W	BALL GRIP™	Carded
125344	Interchangeable Drive Handle	- Carueu

BALL GRIP™ Interchangeable Screwdriver

 Slotted tip used for quick connection at terminals such as outlets and frequently-used $\oplus 2$ tip are combined into one bit.





Model No. / Code	Set Contents	
220W62	BALL GRIP™ Interchangeable Drive Handle	Cardad
233071	⊖SI 6/⊕2 x110	Carded

BALL GRIP™ Interchangeable Screwdriver

• Convenient set with ⊕1, ⊕3, - tip used for quick connection at a terminal such as an outlet, frequently-used $\oplus 2$ tip, and PZ2 and PZ3 tips widely used for European furniture, appliances, sports equipment, and more





Model No. / Code	Set Contents	
220W3	BALL GRIP™ Interchangeable Drive Handl	е
233072	⊕1/⊕3 x110, ⊝SL6/⊕2 x110	Carded
	PZ2/PZ3 x110	

BALL GRIP™ Combi Plus Screwdriver

• Three sizes are combined into one bit. Can be used for most of Cross Point screws commonly used.





Model No. / Code	Set Contents		
220W123	BALL GRIP™ Interchangeable Drive Handle	Cardad	
233073	⊕1•⊕3/⊕2 x110	Carded	

BALL GRIP™ Interchangeable Tang-Thru grip

- Blade interchangeable tang-thru grip. 1/4"(6.35mm)
- 1"(25.4mm) large nut incorporated to efficiently transmit hammering powe

125326



Model No. / Code Set Contents 230W BALL GRIP™

Carded Interchangeable Tang-Thru Drive Handle

BALL GRIP™ Interchangeable Tang-Thru Screwdriver

- Blade interchangeable tang-thru grip. (A/F6.35mm)
- 1"(25.4mm) large nut incorporated to efficiently transmit hammering power



Model No. / Code	Set Contents

230W2 BALL GRIP™ Interchangeable Tang-Thru Drive Handle Carded 125327 ⊕2×140

BALL GRIP™ Interchangeable Tang-Thru Screwdriver

 Blade interchangeable tang-thru grip. (A/F6.35mm) • 1"(25.4mm) large nut incorporated to efficiently transmit hammering power



Model No. / Code Set Contents 230W3 BALL GRIP™ Interchangeable Tang-Thru Drive Handle

⊕3×140

Carded

BALL GRIP™ Interchangeable Tang-Thru Screwdriver

• Blade interchangeable tang-thru grip. (A/F6.35mm)

125328

• 1"(25.4mm) large nut incorporated to efficiently transmit hammering power





_ 6 ■	WISSIE.
Model No. / Code	Set Contents
00014/0	DALL ODIDTM Interchanges his Tone Theory Deliver

Model No. / Code	Set Contents	
230W6	BALL GRIP™ Interchangeable Tang-Thru Drive Handle	_
125329	⊖SL6×140	C

arded

Screwdrivers

Cushion Grip Screwdrivers



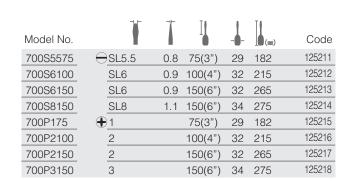
SUPER CUSHION™ Screwdriver

• "Super Cushion" grip fits your hand perfectly



125223

*Bulk



Cushion Grip Stubby Screwdriver

- Anti-corrosion black chrome plated blade
- · Ideal for working in a narrow place



15(19/32") 35 68

SUPER CUSHION™ Tang-Thru Screwdriver

- "Super Cushion" grip fits your hand perfectly
- Star-shaped steel cap for hammering
 Anti-corrosion black chrome plated blade



		-11-		-11-	Τø	1	Ī		
Model No.					1	-6	- [[(m	n)	Code
730S5575	\in	SL5.5		0.8	75(3")	29	182		125231
730S6100		SL6		0.9	100(4")	32	215		125232
730S6150		SL6		0.9	150(6")	32	265		125233
730S8150		SL8		1.1	150(6")	34	276		125234
730P175	4	1			75(3")	29	182		125235
730P2100		2			100(4")	32	215		125236
730P2150		2			150(6")	32	265		125237
730P3150		3			150(6")	34	276		125238
	730S5575 730S6100 730S6150 730S8150 730P175 730P2100 730P2150	730S5575 730S6100 730S6150 730S8150 730P175 730P2100 730P2150	730S5575 730S6100 SL6 730S6150 730S8150 730P175 730P2100 730P2150 2	730S5575 730S6100 SL6 730S6150 730S8150 730P175 730P2100 730P2150 2	730S5575 →SL5.5 0.8 730S6100 SL6 0.9 730S6150 SL6 0.9 730S8150 SL8 1.1 730P175 ⊕1 730P2100 2 730P2150 2	730S5575 →SL5.5 0.8 75(3") 730S6100 SL6 0.9 100(4") 730S6150 SL6 0.9 150(6") 730S8150 SL8 1.1 150(6") 730P175 ⊕1 75(3") 730P2100 2 100(4") 730P2150 2 150(6")	730S5575 →SL5.5 0.8 75(3") 29 730S6100 SL6 0.9 100(4") 32 730S6150 SL6 0.9 150(6") 32 730S8150 SL8 1.1 150(6") 34 730P175 ⊕1 75(3") 29 730P2100 2 100(4") 32 730P2150 2 150(6") 32	730S5575 ⊖SL5.5 0.8 75(3") 29 182 730S6100 SL6 0.9 100(4") 32 215 730S6150 SL6 0.9 150(6") 32 265 730S8150 SL8 1.1 150(6") 34 276 730P175 ⊕1 75(3") 29 182 730P2100 2 100(4") 32 215 730P2150 2 150(6") 32 265	730S5575 ⊕SL5.5 0.8 75(3") 29 182 730S6100 SL6 0.9 100(4") 32 215 730S6150 SL6 0.9 150(6") 32 265 730S8150 SL8 1.1 150(6") 34 276 730P175 ⊕1 75(3") 29 182 730P2100 2 100(4") 32 215 730P2150 2 150(6") 32 265

Cushion Grip TORX Screwdriver

- Optimal for fastening screws in precision fields
- Non-electrolytic plating, keeping the precise tip quality
- Cushion grip fits comfortably in hand
- Also good for tamper-proof TORX screws (except T5 and T6)



Model No.		T.		-0-	(mm)	Code
640T540	● T5	1.42	40(1 37/64")	20.5	126	123561
640T640	T6	1.69	40(1 37/64")	20.5	126	123562
640T7H40	Ф Т7Н	1.97	40(1 37/64")	20.5	126	123563
640T8H40	T8H	2.30	40(1 37/64")	20.5	126	123564
640T9H40	Т9Н	2.48	40(1 37/64")	20.5	126	123565
64019H40	1911	2.48	40(137/64)	20.5	126	123303

TORX[®] is a registered trademark of Acument TM Intellectual Properties, LLC (USA). VESSEL has a manufacturing license in Japan and selling same to the world.

Cushion Grip Interchangeable Stubby Screwdriver

• Stubby type suited for working in cramped places

Slotted tip used for quick connection at terminals such as outlets and frequently-used ⊕2 are combined into one bit



Bit Interchangeable Cushion Sutbby Grip 270BW62 233075

⊖6/ ⊕2×110mm

Cushion Grip Interchangeable Stubby Screwdriver

• Stubby type suited for working in cramped places

• Three sizes are combined into one bit. Can be used for most of cross-pointed screws commonly used

⊕1·**⊕**3 **●**



Model No. / Code Set Contents Bit Interchangeable Cushion Sutbby Grip 270BW123 Carded

233076 ⊕1•⊕3/⊕2×45mm



Model No.	1		II	[] (mm)	Code
265S6100	⊖SL6	0.9	100(4")	185	125561
265S6150	SL6	0.9	150(6")	235	125562
265P2100	① 2		100(4")	185	125563
265P2150	2		150(6")	235	125564

Screwdrivers

21

WOOD-COMPO™ Screwdrivers

Maintenance of cars, motorbikes and

grip effect.

machines always involves oils. Wood-compo screwdriver's coarse wood powder on the grip surface stops the oil flow against the tightening torque, producing an outstanding non-slip

Comparison of torque-down rates: standard and with oily grips

Tightening force if the grip is with oil Usual tightening force

Torque-down rate

*Image is for illustration purposes.

5.9Nm 6.1Nm



• Extraordinary non-slip grip; Secure working efficiency even with oily hands Magnetic

• Wood-composite material, reproducing the natural material texture



Model No.		Ī		I		(mm)	Code
300S5575	\ominus	SL5.5	0.8	75(3")	30	182	120021
300S6100		SL6	0.9	100(4")	32	215	120022
300S6150		SL6	0.9	150(6")	32	265	120027
300S8150		SL8	1.1	150(6")	35	275	120023
300P175	①	1		75(3")	30	182	120024
300P2100		2		100(4")	32	215	120025
300P2150		2		150(6")	32	265	120029
300P3150		3		150(6")	35	275	120026

WOOD-COMPO™ Screwdriver (Stubby Type)

- Stubby type, which is convenient for tightening screws in cramped spaces
- Wood-composite resin, reproducing the natural material texture

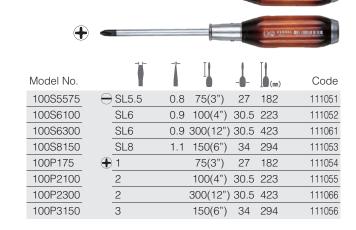
• Rust-resistant black chrome plating shank





GenuineWood Handle Tang-Thru Screwdriver

- Wooden handle and Tang-Thru shank with thick end cap
- Large and long grip that is comfortable to hold
- · Black point tip



POINT

Non-Slip Screwdriver even with oily hands

Uses biomass plastic which contains 70% wood powder.

This compound material forms the

base for our wood-compo screwdrivers, a new wooden-handled product type with the texture of wood and excellent strength.

Our drivers have also been proven to be "non-slip" even in oily hands

This feature is most applicable to work that involves oil such as car maintenance and iron work.



WOOD-COMPO™ Tang-Thru Screwdriver



 Star-shaped steel cap for hammering · Anti-corrosion black chrome plated blade



T T

4 T4

Model No.		- 1			-	(mm)	Code
330S5575	\in	SL5.5	8.0	75(3")	30	183	120041
330S6100		SL6	0.9	100(4")	32	217	120042
330S6150		SL6	0.9	150(6")	32	267	120043
330S8150		SL8	1.1	150(6")	35	277	120044
330P175	+	1		75(3")	30	183	120045
330P2100		2		100(4")	32	217	120046
330P2150		2		150(6")	32	267	120047
330P3150		3		150(6")	35	277	120048

POINT

VESSEL created the prototype of the "Tang-thru screwdriver," in which the shaft penetrates to the back of the grip with a large nut. VESSEL's commitment to the tang-thru

screwdrivers can be seen in its many nut designs. Thick type, star-shaped, mark-punched..., our ideas and techniques are incorporated into even a simple nut.

WOOD-COMPO™

Series

23

24

NON-SLIP WOOD-COMPO™ 70% Wood - 30% Plastic Series **Composite Grip**

Grip surface enlarged.

The grip section is made of "wood resin,"

a mixture of wood powder and plastic, by injection molding using our proprietary

se it contains a large amount of

ood powder, you can feel the texture of

ne natural wood and its grip in your

WOOD-COMPO™ Ratchet

*Available stock is limited. As this item is now discontinued, we can only sell our remaining inventory and will not be selling more once we have run out.

HR۱

16







WOOD-COMPO™ Ratchet Handle

• High durability and less gear skipping by firmly engaging wedge-shaped gears

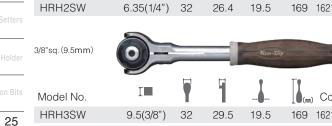




WOOD-COMPO™ Swivel Ratchet Handle

• High durability and less gear skipping by firmly engaging wedge-shaped gears

Power Bits/ Mag Catcher	1/4"sq. (6.35mm)				Wen-Sl	F
Double-Ended Power Bits	Model No.	I■	7	1		(mm) Code
	HRH2SW	6.35(1/4")	32	26.4	19.5	169 162104
Nut Setters						



WOOD-COMPO™ **Swivel Socket Wrench Set** 1/4"sq.(6.35mm) 21pcs.



del No. / Code	Set Contents
W2004MSW	Wood-compo swivel ratchet handle 1/4"sq. (6.35mm)
2102	Extension bar Overall length 55mm 1/4"sq. (6.35mm)
	Extension bar Overall length 150mm 1/4"sq. (6.35mm)
	Quick spinner 1/4"sq. (6.35mm)
	Hex key wrench: H2.5, 3, 4, 5, 6, 8mm
	1/4"sockets: H5 5.5 6.7 8.9 10.11.12.13.14mm



	Model No. / Code	Set Contents
	HRW3005MSW	Wood-compo swivel ratchet handle3/8"sq. (9.5mm)
	162103	Extension bar Overall length 55mm 3/8"sq. (9.5mm
		Quick spinner 3/8"sq. (9.5mm)
Deep socket 3		Deep socket 3/8"sq. (9.5mm): H8, 10, 12, 14mm
		3/8"sockets: H8, 10, 12, 13, 14, 17, 19, 21, 24mm

WOOD-COMPO™ **Socket Wrench Set**

3/8"sq.(9.5mm) 16pcs.



	Model No. / Code	Set Contents
	HRW3002MW	Wood-compo ratchet handle 3/8"sq.(9.5mm)
	162002	Universal socket adaptor 3/8"sq.(9.5mm)
		Sliding T-shaped handle 3/8"sq.(9.5mm)
		Extension bar Overall length 150mm 3/8"sq.(9.5mm
		Extension bar Overall length 75mm 3/8"sq.(9.5mm
-		3/8" sockets: 7, 8, 10, 11, 12, 13, 14, 17, 19,
		21 22mm

Precision Screwdrivers

Micro Screwdriver

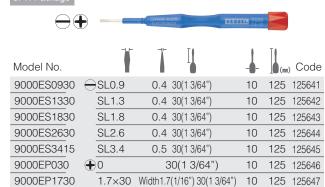
- Smooth rotating end cap for quick turning
- · High precision black point tip



Model No.		T I	-	(mm)	Code
9900ES1850	⊖SL1.8	0.25 50(2")	10	145	125621
9900ES2575	SL2.5	0.35 75(3")	10	170	125622
9900ES3100	SL3	0.45 100(4")	10	195	125623
9900ES3150	SL3	0.45 150(6")	10	245	125624
9900EP0075	① 00	75(3")	10	170	125625
9900EP0100	0	100(4")	10	195	125626
9900EP0150	0	150(6")	10	245	125627

Precision Ceramic Adjuster

- Uses a zirconia ceramics tip, non-inductive magnetic substance
- Optimal for coil and trimmer adjustments
- For adjustment of electronic parts, such as audio instruments, computers. telecommunication devices, electronics components, and electric components



Micro Screwdriver 3PC. Set

- 2 types of set recommended for work in the precision field
- Sets with frequently used sizes
- For adjustment and repair of precision devices, electric devices, glasses, watches, and more





	9902E	9903E
Model No. / Code	Set Contents	
9902E	Micro Screwdriver	
125636	⊖ SL1.8x50	
	⊕ 00x75, 0x100	
9903E	Micro Screwdriver	
125637	⊖ SL1.8x50, SL2.5x75	
	⊕ 00x75	

Interchangeable precision Screwdriver 36PC. Bit Set

- Aluminum Alloy Grip with rotating head cap
- The storage case slides open and the lid can click into place to make a stand



Model No.	Set Contents
9836U	Aluminum handle,
	⊕ 000, 00×2, 0×2, 1, 2,⊖SL1.5×2, SL2, SL3, SL
	● H0.89, 1.5, 2
	● T2, T3, T4, T5H, 6H, 7H, 8H, 9H, 10H, 15H
	★ 1IPR, 4IPR, ★ 0.6, 1, 2, 2.5, •• 2, 2.6
	♠ 2.3, ● 0.8, Stand type case

Micro Screwdriver 5PC. Set

- For adjustment and repair of precision devices, electric devices, glasses, watches,
- Smooth rotating end cap for quick turningHigh precision black point tip



99005PHPBU 99005PFPBU 99005TXPBU 99005HXPBU

Model No.	Set Contents
99005PHPBU	Micro Screwdriver
	⊕ 0000×50, 000×50, 00×75, 0×100 1×100
99005PFPBU	Micro Screwdriver
	⊕ SL2×50, SL3×100
	⊕ 00×75, 0×100 1×100
99005TXPBU	Micro Screwdriver
	€ T5×50, T6×50
	₱ T7H×50, T8H×50, T10H×50
99005HXPBU	Micro Screwdriver
	● H0.89×50, H1.27×50, H1.5×50, H2.0×50, H2.5×50

IMPACT & OUT

WOOD-COMPO™ Series

Wrenches

NECK TORSION™

2WAY Series

SOCKET

(TILT)

H8

H10

H12

VESSEL

Solid & Tilt position

Pull =

5 Bits 1/4"HEX 1" Length

⊕1 ⊕2 ⊕3 ⊖SL4 ⊖SL6

2 Way-Speed L-Handle, 11PC. Set

Use the stubby shank side for final tightening.

• Dual-use drive for both socket and bit. Move the sleeve forward to use with a bit;

backward to use with a socket.

The tilting drive (for socket) and the rotating grip enable quick and light turning.

2WAY Series

Wrenches

27

SLH21U 251702

Model No. / Code

Speed L-Handle Bits $\oplus 1, \oplus 2, \oplus 3, \ominus SL4, \ominus SL6 \times 25.4$ mm 1/4"Sockets: H8, 10, 12, 13, 14×25.4mm

Set Contents

2Way Power Driver, 11PC. Set

- Dual-use drive for both socket and bit. Move the sleeve forward to use with a bit; backward to use with a socket.
- The standard shape of screwdriver can be transformed to the L-shaped screwdriver that enables more powerful work for re-tightening screws and loosening stuck screws.

More Torque with long shaft

More Speed with rotating sleeve

Product Video



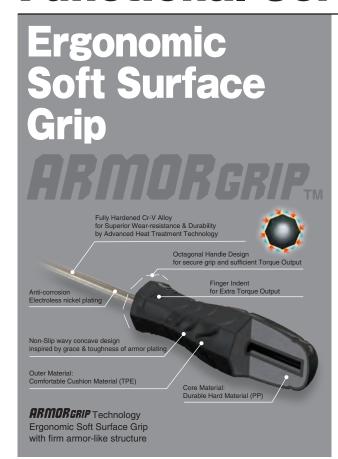
Model No. / Code

Set Contents

400PD21U 251701

Power Screwdriver (1/4"SQ / 1/4"Hex) Bits ⊕1,⊕2,⊕3,⊖SL4,⊖SL6×25.4mm 1/4"Sockets: H8, 10, 12, 13, 14×25.4mm

Functional Screwdrivers



ARMOR GRIP™ Socket Driver

- Fully Hardened Cr-V Alloy for Superior Wear-resistance & Durability.
- Anti-corrosion Fully Nickel Plated Blade (Magnetized Tip).
 Ergonomic Soft Surface Grip with firm armor-like structure (ARMOR GRIP Technology).



Model No.	Tip Size	Shank length	Shank diameter	Overall Length	(m) Code
550A2U	1/4"	125	8	250	000000

ARMOR GRIP™ T-handle Socket Driver

- Fully Hardened Cr-V Alloy for Superior Wear-resistance & Durability.
- Anti-corrosion Fully Nickel Plated Blade (Magnetized Tip).
 Ergonomic Soft Surface Grip with firm armor-like structure (ARMOR GRIP Technology).



Model No.	Tip Size	Shank length	Shank diameter	Overall Length (r	m) Code
460A2U	1/4"	130	6.35	170.5	000000

Flat-shaped Ratchet Screwdriver (Straight type)

- 18mm thin head ratchet screwdriver
- Magnetized bits (Overall length: 18mm)
- Can be used in tight places
- 2pcs of bit can be stored in the handle with a hole for hanging
 High-precision ratchet gear mechanism enables ideal fastening



Model No. / Code TX76U

251237

Set Contents

Flat-shaped Ratchet Screwdriver (Straight type) Bits \oplus 1, \oplus 2, \oplus 2, \oplus 3, \ominus SL4, \ominus SL6,

Carded H2.5, H3, H4, H5, H6×18mm, Bit holder

Flat-shaped Ratchet Screwdriver (Angle Type)

- . 18mm thin head ratchet screwdriver
- Magnetized bits (Overall length: 18mm)
- Can be used in tight places.
- 2pcs of bit can be stored in the handle with a hole for hanging High-precision ratchet gear mechanism enables ideal fastening



Model No. / Code Set Contents

Flat-shaped Ratchet Screwdriver (Angle Type) TX79U 251238

Bits ⊕1, ⊕2, ⊕2, ⊕3, ⊖SL4, ⊖SL6, Carded H2.5, H3, H4, H5, H6×18mm, Bit holder

Flat-shaped Ratchet Screwdriver **Counter Display**



Model No. Description TX76U 10Pack 2 10Pack TX79U

Functional Screwdrivers

Wrenches

NECK TORSION™

Ratchet Screwdriver Set

Functiona Screwdrivers

29

TD6816MGU 247025 Bits: ⊕1,⊕2,⊕3, ⊖SL6, H2, H2.5, H3, H4, H5, T10H, T15H, T20H, T25H, T27H,

Ratcheting Screwdriver 4PC. Bit Set



• Smooth click feeling enabled by rotating angle of 5 deg. and 72-tooth gear. Magnetic High strength accomplished by 2 nails supporting the ratchet gear. It can be used for final tightening work.

 The handle is made out of oil-resistant cellulose acetate resin. • Easy to carry around with cassette type bit storage inside the handle.

Bit insertion part 1/4"(6.35mm)

Model No. / Code Set Contents TD6804MGU Ratcheting Screwdriver

Carded Bits: ⊕1,⊕2,⊕3, ⊖SL6×1" (25.4mm)

Carded

Ratcheting Screwdriver 8PC. Bit Set



- It can be used for final tightening work.

 The handle is made out of oil-resistant cellulose acetate resin.
- Easy to carry around with cassette type bit storage inside the handle. • Stores 8 types of bits including HEX bit.
- . Magnetic bits can be replaced with one-touch
- Bit insertion part 1/4"(6.35mm).



Model No. / Code

TD6808MGU

Model No. / Code

247023

Ratcheting Screwdriver Bits: ⊕1,⊕2,⊕3, ⊖SL6

H2.5, H3, H4, H5×1" (25.4mm)

Ratcheting Screwdriver 16PC. Bit Set

- Smooth click feeling enabled by rotating angle of 5 deg. and 72-tooth gear. Magnetic High strength accomplished by 2 nails supporting the ratchet gear. It can be used for final tightening work.
- The handle is made out of oil-resistant cellulose acetate resin.
- Easy to carry around with cassette type bit storage inside the handle.
- 16 types of bits to adapt to various types of work.



Set Contents

Ratcheting Screwdriver Carded T30H, T40H x1" (25.4mm)

Ratcheting Screwdriver 8PC. Bit Set

- Smooth click feeling enabled by rotating angle of 5 deg. and 72-tooth gear. Magnetic High strength accomplished by 2 nails supporting the ratchet gear. It can be used for final tightening work.
- The handle is made out of oil-resistant cellulose acetate resin
- Easy to carry around with cassette type bit storage inside the handle
- Stores 8 types of bits including TORX bit.
- · Magnetic bits can be replaced with one-touch
- Bit insertion part 6.35mm.

247024

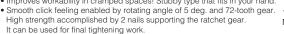


Ratcheting Stubby Screwdriver with Flexible shaft

Bits: ⊕1,⊕2, T10H, T15H, T20H,

T25H, T30H, T40H×1" (25.4mm)

• Improves workability in cramped spaces! Stubby type that fits in your hand.



- The handle is made out of oil-resistant cellulose acetate resin
- · Ball-lock bits can be replaced with one-touch
- Bit insertion part 1/4"(6.35mm).



Model No. / Code

TD6700FX4U Ratchet stubby screwdriver

247027

Bits: ⊕1,⊕2, ⊖SL4, ⊖SL6×33mm Carded Flexible shaft 165mm

Set Contents

Ratcheting Stubby Screwdriver with Double Ended Bit ⊕2/⊕3



Carded

- Improves workability in cramped spaces! Stubby type that fits in your hand. Smooth click feeling enabled by rotating angle of 5 deg, and 72-tooth gear. High strength accomplished by 2 nails supporting the ratchet gear. It can be used for final tightening work.
- The handle is made out of oil-resistant cellulose acetate resin
- Ball-lock bits can be replaced with one-touch.
- Bit insertion part 1/4"(6.35mm)."



Model No. / Code TD6700W23U Ratchet stubby screwdriver

247026 Double Ended bit ⊕2/⊕3×35mm Carded

Impact Drivers

Manual Impact Driver with Cushion Grip Handle 5/16" Hex & 1/2" SQ Drive Set

- Change rotation directions with one touch.
- Soft non-slip resin handle, comfortable to grip. Designed for less shock on hands
- For heavy-duty use.
- If the bit adapter is detached, a 12.7 mm socket can be attached.
- Bit insertion part ●8mm



Model No. / Code Set Contents

ID240001 Bits \ominus SL10, \oplus 2, \oplus 3, \oplus 4×36, \oplus 2, \oplus 3×80 Body length 176mm dia. 37.5mm 246051

Manual Impact Driver 5/16" Hex & 1/2" SQ Drive Set

- Effective for very tight fastening and loosening rusted screws
- Suited for automobile maintenance, and assembly and disassembly of machinery and equipment.
- · For heavy-duty use.
- If the bit adapter is detached, a 12.7 mm socket can be attached.
- Bit insertion part ●8mm



Model No. / Code Set Contents ID250001 Bits \ominus SL10, \oplus 2, \oplus 3, \oplus 4×36

Body length 166mm dia. 32mm

Manual Impact Driver 1/4" Hex Drive Set

- Thin handle. Can be used as normal screwdriver
- Long shank bit. Ideal for hard-to-reach cramped spaces
- Bit insertion part
 6.35mm



Set Contents ID260002 Bits \ominus SL5, \ominus SL6, \ominus SL7, \oplus 1, \oplus 2, \oplus 3 ×125 246016 Body length 32.5mm dia. 26mm

INSERT BIT 1/4" Hex

Model No.

C50P2125G

C50P3125G

C50MIXP6

Model No.

C51P236G

C51P280G

C51P336E

C51P380E

C51MIXP4

POINT

Distorted screws

Rusted screws

Stuck screws

INSERT BIT 5/16" Hex

C51P236G

C51P336E



C50MIXP6

⊕2x125 for Manual Impact Driver 10 Bulk 431302

Content

C51P280G

C51P380E

Set

Content

Removal of a rusted or stuck screw

Hitting the handle with a hammer causes the impact

The tip turns counterclockwise at the instant

when the handle is hit with a hammer.

Loosened by impact acceleration

Pack Code QTY

C51MIXP4

Pack

QTY

⊕2×36G for Manual Impact Driver 10 Bulk 431041

⊕2×80G for Manual Impact Driver 10 Bulk 431042 ①3×36E for Manual Impact Driver 10 Bulk 431051

⊕3×80E for Manual Impact Driver 10 Bulk 431052

4PC. Set for Manual Impact Driver 10 Bulk 431801

⊕3x125 for Manual Impact Driver 10 Bulk 431303 6PC. Set for Manual Impact Driver 10 Bulk 431701

Code

Impact Drivers

NECK TORSION™

JISDRIVE .

Reduce your fatigue by 20%

BALL GRIPTM

MEGADORA™

+JAWSFIT

IMPACTA

For removing stuck, rusted

SUPER CUSHION™

CEL FUNCTION

GEL GRIP is ideal for a heavy load on the palm.

and distorted screws.

Our Tang-thru nut

incorporates a cam

Screwdriver Sets

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BALL GRIP™ JISDRIVE Screwdriver 4PCS. Set

- INCLUDES 4PCS JISDRIVE Screwdrivers, ⊕1, ⊕2, ⊕2, ⊕3
 Ergonomic BALL GRIP for anti-fatigue and various way of driving
- (Purple grip)Tang-Thru Screwdriver to strike by a hammer • (Ratchet model)Functionally enhanced BALL GRIP with 36-teeth gear ratchet for
- smooth driving by simple repeated finger or wrist movement • (Ratchet Model) Useable as a stubby ratchet by popping off the blade and inserting 1/4"



Model No.

Set Contents

2304JSPB

No.230 BALL GRIP™ Screwdriver 1×75, 2×100

No.2200 BALL RATCHET™ Screwdriver

⊕ 2×150, 3×150

MEGADORA™ JISDRIVE Screwdriver 6PCS. Set

- INCLUDES 6PCS JISDRIVE Screwdrivers, $\oplus 0$, $\oplus 1$, $\oplus 1$, $\oplus 2$, $\oplus 2$, $\oplus 3$
- (Green Grip)Useful knurled blade for quick and slip-less driving (Red Grip) Forged hexagonal bolster for additional wrenching
- (Silver Grip) Blade turns 12° counterclockwise and loosen stuck screws when striking with a hammer
- (Red&Green Grip) JAWSFIT JISDRIVE tip that firmly grips screws
- Made in Japan by VESSEL



Model No.

Set Contents

9806JSPB

No.910 MEGADORA[™] Thin Shank Screwdriver ⊕ 0×75

No.900 MEGADORA™ Screwdriver 1×75

No.930 MEGADORA™ Tang-Thru Screwdriver

1×75, 2×100

No.980 MEGADORA IMPACTA™ Impact Driven Screwdriver

+2×150, 3×150

SUPER CUSHION™ JISDRIVE Screwdriver 4PCS. Set



- INCLUDES 4PCS JISDRIVE Screwdrivers, ⊕1,⊕2, ⊕2, ⊕3
- Combining Cushion and Gel material to have Maximum Comfort Grip that fits into your palm
- Secure Gripping by its Flexy material enables Max Torque Output

Model No.

No.730 SUPER CUSHION™ Tang-Thru Screwdriver

Screwdriver Sets

MEGADORA™ JAWSFIT® Screwdriver 8PC. Set



Set Contents

9008EVA 121587

Model No. / Code

No.900 MEGADORA™ Screwdriver ← SL5.5×75, SL6×150, SL8×150

⊕ 1×75, 2×150, 3×150 **No.920** MEGADORA™ Stubby Screwdriver

→ SL6×25, **⊕** 2×25

MEGADORA™ JAWSFIT® Tang-Thru Screwdriver 8PC. Set



Model No. / Code Set Contents

9308EVA 121588

121589

No.930 MEGADORA™ Tang-Thru Screwdriver

⊖ SL5.5×75, SL6×150, SL8×150 **⊕** 1×75. 2×150. 3×150

No.920 MEGADORA™ Stubby Screwdriver

⊖SL6×25 ⊕ 2×25

MEGADORA IMPACTA™ Assorted Screwdriver 8PC. Set



Model No. / Code Set Contents 980MIXEVA No.980 MEGADORA IMPACTA™ Screwdriver

⊕ 2×100, 2×150, 3×150

No.900 MEGADORA™ Screwdriver

⊕ SL8×150, ⊕ 1×75

No.930 MEGADORA™ Tang-Thru Screwdriver

No.920 MEGADORA™ Stubby Screwdriver

⊕ SL6×25, ⊕ 2×25

MEGADORA™ Screwdriver 6PC. Set

Model No. / Code

Model No. / Code

Model No. / Code

9706EVA

121598

9606EVA

9006PB

122500



Set Contents

Set Contents

Set Contents

No.970 MEGADORA™ Chisel-Type Screwdriver

No.970 MEGADORA™ Clip Remover

CR6×110, CR7 • 12×120

HRS×130. HRR×89. HRL×89

No.960 MEGADORA™ Insulated Screwdriver

SL5×75, SL6×100, SL8×150

1×75, 2×100, 3×150

Hose Remover Mix 6PC. Set

9.5×120

No.900 MEGADORA™ Screwdriver

← SL5.5×75, SL6×100, SL8×150

+ 1×75, 2×100, 3×150

MEGADORA™ Insulated Screwdriver 6PC. Set



Screwdriver

MEGADORA™ Chisel/ Clip Remover/

Magnetic Chisel-Type

No.970 MEGADORA™ Hose Remover



Screwdriver Sets

Set Contents **No.980** MEGADORA IMPACTA™ Screwdriver

Set Contents

Set Contents

No.970 MEGADORA™ Hose Remover

Set Contents

HRS×130, HRR×89, HRL×89

BALL RATCHET™ Screwdriver 5PC. Set 🞣

No.970 MEGADORA™ Clip Remover

CR6×110, CR7 • 12×120

MEGADORA™ Hose Remover 3PC. Set

MEGADORA IMPACTA™ Screwdriver 2PC. Set

⊕ 2×100, 3×150

MEGADORA™ Clip Remover 2PC. Set

IMPACT & OUT

Magnetic

Model No. / Code

Model No. / Code

970CR2SC

Model No. / Code

970HR3PB

121596

9802SC

Screwdriver Sets

33

22005EVA 121590

Model No. / Code

No.2200 Ball Ratchet™ Screwdriver ⊖ SL6×100, SL6×150 + 2×100, 2×150, 3×150

BALL RATCHET™ Screwdriver 2PC. with 3PC. Replacement Blade Set





Model No. / Code Set Contents 22002N3EVA No.2200 Ball Ratchet™ Screwdriver ⊖SL6×100 **⊕** 2×100 No.2200B Replacement Blade ⊕ SL6×150, ⊕ 2×150, 3×150

BALL GRIP™ Screwdriver 4PC. Set





Model No. / Code Set Contents 2204PBU No.220 Ball Grip™ Screwdriver ⊖ SL5.5×75, SL6×100 152720 1×75, 2×100

BALL GRIP™ Insulated Screwdriver 5PC. Set



Model No. / Code Set Contents 2005PBU No.200 Ball Grip™ Insulated Screwdriver

← SL5×75, SL6×100

⊕ 1×75, 2×100, 3×150

150905

WOOD-COMPO™ Non-Slip Tang-Thru Screwdriver 8PC. Set

3308EVA

150902



Model No. / Code Set Contents **No.330** WOOD-COMPO™ Tang-Thru Screwdriver ⊕ SL5.5×75, SL6×150, SL8×150 1×75, 2×150, 3×150 **No.320** WOOD-COMPO™ Stubby Screwdriver ⊕ SL6×15, ⊕ 2×15

(P)

Magnetic

Magnetic

Model No.

550A8PTU

Model No.

550APH4PBU

WOOD-COMPO™ Non-Slip **Tamper-proof Torx Screwdriver 7PC. Set**



Model No. / Code Set Contents 3407EVA **No.340** WOOD-COMPO™ Tamper-proof Torx Screwdriver 150903 ₱ T10×120H, T15H×120, T20H×120, T25H×120 T27H×120, T30H×120, T40H×120

WOOD-COMPO™ Non-Slip Hex Nut Driver 8PC. Set



Model No. / Code Set Contents No.380 WOOD-COMPO™ Hex Nut Driver 3808EVA 150904 ○ A/F 5×125, A/F 5.5×125, A/F 7×125, A/F 8×125 A/F 10×125, A/F12×125, A/F13×125, A/F 14×125 WOOD-COMPO™ Non-Slip Screwdriver 6PC. Set



Model No. / Code Set Contents 3006CS **No.300** WOOD-COMPO™Screwdriver 150901 ⊖ SL5.5×75, SL6×100, SL8×150

1×75, 2×100, 3×150

ARMOR GRIP™ Screwdriver 8PC. Set

Set Contents

1×75, 2×100, 3×150, 2×25.4

Set Contents

⊕ 0×75, 1×75, 2×150, 3×150

No.550 ARMOR GRIP™ Screwdriver

ARMOR GRIP™ Screwdriver 4PC. Set

No.550 ARMOR GRIP™ Screwdriver

← SL5.5×75,SL6×100,SL8×150,SL6×25.4



NECK TORSION™

"L-KEY" Wrenches

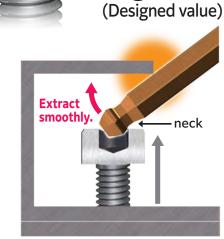
"L-KEY" Wrenches

35

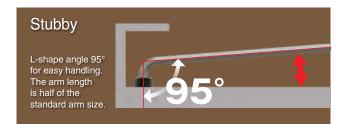
VESSEL's **Advanced Technology**

extracted smoothly even if it contacts with obstacles while tightening screws. It does not get caught or trapped in the hexagon screw head. Max **Tilting** Angle

The ball point tip-end is designed to be







Ball Point Wrench Stubby (Short Type) 9PC. Set

• Stubby ideal for cramped space

L-shape angle 95° for easy handling



Set Contents Model No. / Code 8209BPSU Ball Point Wrench Stubby (Short Type) 143878 ● 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm Carded Holder

Ball Point Wrench Stubby 9PC. Set

- Stubby ideal for cramped space L-shape angle 95° for easy handling



Model No. / Code Set Contents 8209BPU Ball Point Wrench Stubby 143879 • 1.5. 2. 2.5. 3. 4. 5. 6. 8. 10 mm Carded Holder



Ball Point Wrench Stubby (Long Type) 9PC. Set

• Stubby ideal for cramped space



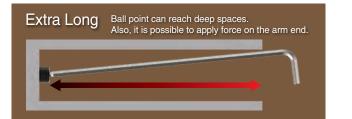
Model No. / Code Set Contents 8209BPLU Ball Point Wrench Stubby (Long Type) ● 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm 143880



8309BPU Ball Point Wrench 143881 **1.5**, 2, 2.5, 3, 4, 5, 6, 8, 10 mm Carded Holder



Model No. / Code Set Contents 8309BPLU Ball Point Wrench (Long Type) 143882 • 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm Carded





8309BPXLU Ball Point Wrench (Extra Long Type) 143883 ● 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm Holder

Ball Point Wrench (Long Type) (Inch) 9PC. Set



Model No. / Code Set Contents 8309BPLINU Ball Point Wrench (Long Type) (Inch) 1/16, 5/64, 3/32, 1/8, 5/32, Carded 3/16, 1/4, 5/16, 3/8 inch

Quick Tightening at tilted angle

Ball-shaped TORX wrench can tighten screws quickly even at a tilted angle. It is ideal for work in a cramped space such as automotive maintenance.

Max Tilting ¹ Angle (Designed value)

Ball End TORX Wrench 9PC. Set



Model No. / Code

8509BTXU Ball End TORX Wrench ₱ T8.T9.T10.T15.T20.T25.

Carded T27,T30,T40 mm

Tamper-proof TORX® system

Tamper-proof TORX screw has a protrusion in the center of the screw recess that cannot be tightend or loosened with a standard TORX screwdriver.

*Not applicable for non-standard TORX screws



TORX

Tip-end processing based on TORX standards Corresponds to various screws.

Tamper-proof TORX Wrench 9PC. Set



Model No. / Code

Holder

8509TXHU Tamper-proof TORX Wrench 143886 **♥** T8H,T9H,T10H,T15H,T20H,T25H, T27H,T30H,T40H mm

"L-KEY"

Carded

Other Hand Tools

Wrenches Other

Hand Tools

Ratchet Rivet Gun

Can caulk blind rivets easily with one hand.Easily calks 4.8 mm steel rivets that were difficult to

use with existing manual riveters.



Woder No. / Code	oct oontonts
RG95	AccessoriesNose piece 2.4, 3.2, 4.0, 4.8mm
621310	Nose piece wrench A/F10mm
	Rody length 230mm

Thread Thru Stud Bolt Wrench

- Works with continuous thread studs, cut bolts and hanger bolts.
- Can be used 2 ways: Straight for tightening, or bent for fast turning.
 Can be used from halfway point with long hanger bolts.
- · Lightweight, compact and easy to carry.



Model No.	Thread part		1	Ĭ	Code
ZW3	3/8	32(1 17/64")	20(25/32")	140(5 33/64")	621320
ZW4	1/2	32(1 17/64")	20(25/32")	140(5 33/64")	621321

POINT



Ratchet Rivet Gun Allows you to caulk blind rivets easily with one hand



Thread Thru Stud Wrench

Dedicated for installing a full-thread bolt It can be bent to turn a bolt quickly.

Plastic Head Hammer

 Soft durable plastic head. Does not damage workpieces. · Replacement heads are available.



Model No.	Siz	e Lengt	h Diamete	er Length (mm) Code
H7014	_1/4	280	19.5	66.5	142001
H7012	1/2	280	25	82	142002
H7010	1	295	31.3	108	142003
H70112	1 1/	2 325	37.6	125.5	142004
H7020	2	350	45.4	139	142005

Handles are not separately sold.

Replacement head for No.70

JPN Package	Set	Inner	Package	
Model No.	Contents	Ctn.	size (m)	Code
RH7014	1/4	20	85×102×20	142011
RH7012	1/2	20	110×132×27	142012
RH7010	1	20	130×155×35	142013
RH70112	1 1/2	20	80×185×42	142014
RH7020	2	20	100×225×48	142015

Gel Grip Hammer (Plastic Head)

- Gel resin grip drastically absorbs the shocks by hammer blows to your palm. Alleviates the strain on your wrist.
- Slip resistance grip design of elastomer resin.
 Excellent balance between both heads, providing a firm hammering feel. Hammer heads are screwed on and replaced easily. Replacement head is available as option.



			Head	Head	Weight	
Model No.	Size	Length	Diameter	Lengthize (mm)	(g)	Code
H7610	1	315	32	120	430	142082

Replacement Head for No.76 (Plastic Head)

JPN Package	0 .		Б	
Model No.	Set Contents	Inner Ctn.	Package size (m)	Code
RH7610	1Lb	20	130×155×35	142131
**Useable for:	Gel Grip Hamme Plastic Head Ha			

Gel Grip Hammer (Rubber/Plastic Head)

- Gel resin grip drastically absorbs the shocks by hammer blows to your palm. Alleviates the strain on your wrist.
- Slip resistance grip design of elastomer resin
- Excellent balance between both heads, ensuring firm feeling of hammering.
- Hammer heads are screwed on and replaced easily. Replacement head is available as option.

1 315 32 120 430 142091

Rubber ne	ad is of iig	gnt gray colo	r, wnich doe	es not cause col	or staining to	tne object.
The second second	NAME AND ADDRESS OF THE OWNER,	The last live of	-			
* HOUSE						
			Head	Head	Weight	
Model No.	Size	Length	Diameter	Lengthize (mm) (g)	Code

Replacement Head for No.77 (Rubber Head)

JPN Package Model No.	Set Contents	Inner Ctn.	Package size (m)	Code	
RH7710	1Lb	20	130×155×35	142121	
**Useable for:	Gel Grip Hammer No.77-10 Cannot be used for plastic hammer No.70-1.				

Wire Stripper

- Lightweight (100g) , compact handy type
- Diamond finely polished blade for precision stripping.
 AWG-mm-mm conversion table on the grip.



Model No.	Color	Overall length (mm)	Weight (g)	Code
WS3500E1E	Red	155	100	141036
WS3500E2E	Yellow	155	100	141037

Wire Stripper

- True circle shape. No damage on wires.
- Different colors adopted for instant awareness of holding position.
 Thread cutters for small screws or bolts.



Model No.	Color	length (m)	(g)	Code
WS3500E3	Red Black	163	107	141013
WS3500E4	Yellow Black	163	107	141014

WS3500E1E	AWG	12	14	16	18	20	22	24
WS3500E1E	Solid wire(mm)	2.0	1.6	1.3	1.0	0.8	0.65	0.5
WSSSUUESE	Stranded wire(mm)	3.3	2.0	1.3	0.8	0.5	0.3	0.2
WS3500E2E	AWG	18	20	22	24	26	28	30
	Solid wire(mm)	1.0	0.8	0.65	0.5	0.4	0.3	0.25
WS3500E4E	Stranded wire(mm)	0.8	0.5	0.3	0.2	0.13	0.08	0.05
* Como Toflon u	iraa ara nat ariitabla							

Some Teflon wires are not suitable

Wire Stripper

- Nimbly and cleanly strips off sheathing in a single operation.
- Can be used with wiring for TV, radio, home appliances, electrical work, automotive circuits, telephones, etc. · Comes with a strip gauge.



Model No.	Wire diameter and nominal sectional area	Handle color	Overall length (mm)	Weigh (g)	t Code
WS3000A	For solid wire 0.5/1.2/1.6/2.0mm	Green	170	350	141001
WS3000B	For solid wire 1.0/1.6/2.0/2.6/3.2mm	Red	170	350	141002
WS3000C	For stranded wire 0.9/1.25/2.0/3.5/5.5mm	Black	170	350	141000

Wire Stripper Blade

JPN Package		MC Constant	
Model No.	Applicable wire stripper	Wire diameter and nominal sectional area	Code
WB001	WS3000A	For solid wire	141071
WB002	WS3000B	For solid wire	141072
WB003	WS3000C	For stranded wire	141073

Adjustable Electrician Knife (Stainless steel)

- Rust-resistant stainless steel blade (DAK-2)
- Blade length can be adjusted to suit actual work (0 to 63 mm/slide pitch 5 mm).
- Safe because the blade can be stored, and compact when carrying or storing.
- Self-locking slide. The dial on the backside prevents the blade from rattling.
 The blade is replaceable. The blade is removable for sharpening.
- The elastomer body prevents slipping and ensures a firm grip.
- Equipped with a slit blade for easy vertical splitting of VVF (VA wire) sheath. Comes with an anti-drop lanyard attachment hole.



Model No.	Material (Blade)	Overall length (m)	Weight (g)	Code
DAK2	Stainless	171	121	252107

Replaceable Blade for Adjustable Electrician Knife (Stainless steel)

Dedicated blade for Adjustable Electrician Knife.
 Replacement blade for stainless steel blade (DAK-2).



Model No.	Material (Blade)	Overall length (m)	Weight (g)	Code
DAKB2	Stainless	94	25	252122

Holder for Adjustable Electrician Knife

- Can store 1pc of Electrician Knife and additional 2pcs of other tools like a pair of pliers.
- Wide opening enables both smooth storage and retrieval.
- Dedicated shape that securely holds the Adjustable Electrician Knife • Comes with a D-ring to attach an anti-drop lanyard, carabiner, and so on.
- Belt loop supporting the belt width 60mm max.





Model No.	Body size	Package size	Weight (g)	Code
TPK30	280×91×89	345×108×91	153	252125

Hand Tools

NECK TORSION™

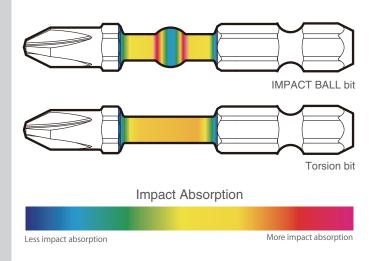
38

What is IMPACT BALL?

IMPACT BALL bits are designed to absorb impact not only in the standard torsion zone (shown as yellow), but also at the joint of the sphere and shaft. (shown as red).

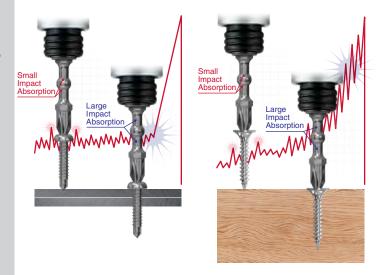
In other words, this dual absorbing function can minimize impact on the tips.

The red part suppresses excessive impact and vibration during tightening. The yellow part also absorbs excessive impact during screw seating.



Why spherical?

Our evaluation tests have shown that the round-shaped joint has 40% to 80% more impact-suppressing effect than the standard flat shape. With this in mind, VESSEL has come up with a spherical design like a powerful "flexing bicep" for the new torsion bit. It has succeeded in dramatically improving protection performance of the tip-end, compared to a standard torsion bit.



Dual impact-absorbing function



In 1961, VESSEL launched the world's first double-ended bit. Later, in 1997, in response to the development competition among power tool manufacturers seeking higher torque, VESSEL developed a plate-shaped torsion bit, followed by a cylindrical cross section bit in 1998 to further improve performance. In this way, VESSEL has established a dominant position in Japan as a pioneer in bit manufacturing.

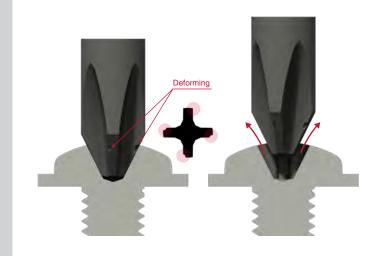


This is the Key Point!

Tip breakage occurs at the wings where they contact screws.

The more screws are tighened, the wings become loaded, get deformed, start cam-ing out and the wings can became broken at the end.

Therefore, it is important to minimize impact and vibration damage as much as possible.



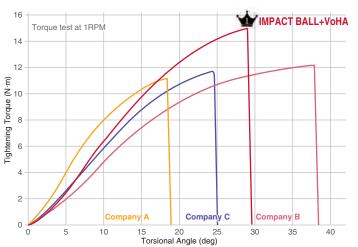
Competitive Advantages!

We developed an original steel for bits that combines hardness and toughness, called <u>VoHA</u> steel (VESSEL Outstanding High- Performance Alloy). This steel provides much greater durability in addition to dual impact- absorbing function.

VoHA has the highest hardness of 62HRC which can be seen with its outstanding durability.

Therefore, without difficulty, it can tighten even high-impact screws such as self-drilling tapping screws or drilling screws used at construction sites.

			Number of Scr	ews Tightened
Comparative data	Hardness	Toughness		~~~
IMPACT BALL+VoHA	62HRC	14.96N·m	38	25
Company A	58.6HRC	12.39N·m	1	6
Company B	57.7HRC	12.12N·m	4	3
Company C	59.3HRC	11.64N·m	12	13



Model No. / Code

Wrenches

IMPACT BALL™





Highest Hardness 62 HRC

Model No. / Code IB31P02U 426115

41

IMPACT BALL™ Torsion Bit 52 PC. Set

- 52PC IMPACT BALL Torsion Bits in hard case.
- · High Durability by shock absorption at Ball Torsion part.
- Using New Alloy Steel "VoHA" (VESSEL Outstanding High-Performance Alloy) Highest Hardness 62 HRC



2"

50







mm Set Contents =

IB52P01U \bullet 00(1), 0(1), 1(1), 2(1), 3(1) 487045 **★** PZ1(1), PZ2(1), PZ3(1) → SL4(1), SL6(1), SL8(1)

■ SQ1(1), SQ2(1), SQ3(1)

T4(1), T5(1), T6(1), T7(1), T8(1),T9H(1), T10H(1), T15H(1), T20H(1), T25H(1), T27H(1), T30H(1), T40H(1)

H2(1), H2.5(1), H3(1), H4(1) H5(1), H6(1), H8(1), H10(1), H3/32"(1), H7/64"(1), H1/8"(1), H9/64"(1), H5/32"(1), H3/16"(1), H7/32"(1), H1/4"(1), H5/16"(1)

H3/8"(1) Magnetic Nut Setter 1/4"(1), 5/16"(1), 3/8"(1)

Socket Adapter 1/4"(1), 3/8"(1), 1/2"(1) MAG ENHANCER

IMPACT BALL™ Torsion Bit 30+1 PC. Set in SLIDE CASE

• High Durability by shock absorption at Ball Torsion part. Using New Alloy Steel "VoHA" (VESSEL Outstanding High-Performance Alloy)









mm inch Set Contents

1(1), 2(1), 3(1) **☀** PZ1(1), PZ2(1), PZ3(1)

→ SL4(1), SL6(1), SL8(1) SQ1(1), SQ2(1), SQ3(1)

T10(1), T15(1), T20(1), T25(1) T27(1), T30(1), T40(1) 30 13/16"

H3(1), H4(1), H5(1), H6(1), H3/32(1), H7/64(1), H1/8(1), H9/64(1), H3/16(1), H7/32(1), Magnet Bit Holder 60mm

IMPACT BALL™ Torsion Bit 10+1 PC. Set in POP-UP CASE

- High Durability by shock absorption at Ball Torsion part.
 Using New Alloy Steel "VoHA" (VESSEL Outstanding High-Performance Alloy) Highest Hardness 62 HRC

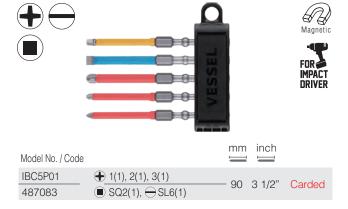






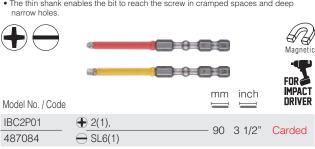
IMPACT BALL™ Bit with Coated Tube 5PC. Set

- The tube covers the bit up to the tip-end and will not damage other workpieces during work.
- The tube prevents short-circuits caused by contact with terminals. • The thin shank enables the bit to reach the screw in cramped spaces and deep



IMPACT BALL™ Bit with Coated Tube 2PC. Set

- The tube covers the bit up to the tip-end and will not damage other workpieces during work.
- The tube prevents short-circuits caused by contact with terminals.
- The thin shank enables the bit to reach the screw in cramped spaces and deep







Dool

		mm	inch	Pack		
Model No.				QTY		Code
IBPH130P2	1	30	1 3/16"	2	Carded	426030
IBPH130P25K	1	30	1 3/16"	25	Bulk	426083
IBPH150P2	1	50	2"	2	Carded	487051
IBPH150P25K	1	50	2"	25	Bulk	426065
IBPH230P2	2	30	1 3/16"	2	Carded	426031
IBPH230P5	2	30	1 3/16"	5	Carded	426033
IBPH230P15T	2	30	1 3/16"	15	TicTac	426102
IBPH230P25K	2	30	1 3/16"	25	Bulk	426066
IBPH250P2	2	50	2"	2	Carded	487052
IBPH250P25K	2	50	2"	25	Bulk	426084
IBPH250P5	2	50	2"	5	Carded	487053
IBMGEPH250P10T	2	50	2"	10	TicTac	487074
IBPH250P15T	2	50	2"	15	TicTac	426593
IBPH275P2	2	75	3"	2	Carded	487054
IBPH290P2	2	90	3 1/2"	2	Carded	487055
IBPH290P10K	2	90	3 1/2"	10	Bulk	426086
IBPH2150P1	2	150	6"	1	Carded	487056
IBPH2150P10K	2	150	6"	10	Bulk	426087
IBPH330P2	3	30	1 3/16"	2	Carded	426032

IMPACT BALL™ Torsion Bit

30

50

50

IBPH330P25K

IBPH350P2

IBPH350P25K



1 3/16"

25

25

Bulk

Carded

426067

487057

426085

IBSQ130P25K SQ1 30 1 3/16" 2 Carded 42603	ode
IBSQ150P2 SQ1 50 2" 2 Carded 48709 IBSQ230P2 SQ2 30 1 3/16" 2 Carded 42600	037
IBSQ230P2 SQ2 30 1 3/16" 2 Carded 42603	071
	058
IBSO230P25K SO2 30 1.3/16" 25 Bulk 42607	038
15042001 2011 042 00 1 0/10 20 Dulk 42001	6072
IBSQ250P2 SQ2 50 2" 2 Carded 48705	059
IBSQ250P25K SQ2 50 2" 25 Bulk 42608	880
IBSQ290P2 SQ2 90 3 1/2" 2 Carded 48706	'060
IBSQ290P10K SQ2 90 3 1/2" 10 Bulk 42608	089
IBSQ330P2 SQ3 30 1 3/16" 2 Carded 42603	039
IBSQ330P25K SQ3 30 1 3/16" 25 Bulk 42607	073
IBSQ350P2 SQ3 50 2" 2 Carded 48706	061

IMPACT BALL™ Torsion Bit



Model No.

IBTX1030P2

IBTX1030P25K

IBTX1050P2

IBTX1050P25K

IBTX1530P25K

IBTX1530P2

IBTX1550P2

IBTX1550P25K

IBTX2030P25K

IBTX2030P2

IBTX2050P2

IBTX2050P25K

IBTX2090P2

IBTX2090P10K

IBTX2530P2

IBTX2530P25K

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426095

487068

426098

487069

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487071

426091

487072

426096

487073





MPACT BALL™

IMPACT BALL™ Torsion Double Ended Bit

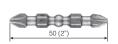


Model No.

IBDEPH250P5

IBDEPH350P2

IBDEPH150P2 → 1



inch

=

QTY

mm

50

50

50

50



Carded 487075



Mag Charge!

Easy Magnetizing and Demagnetizing by friction.

Insert the bit into the groove of the bit clip and pull it down to magnetize the bit.

Move the bit up and down along the

side of the groove and pull it away to

4 2(5)

IMPACT BALL™ Torsion Bit with Mag Charge Holder

IMPACT BALL™ Torsion Bit with Mag Charge Holder

IMPACT BALL™ Screwdriver Bit

426076

IMPACT & BALL™

IMPACT BALL™

44

Wrenches

-Demagnetize

Model No. / Code

426074

demagnetize the bit.

IMPACT BALL™

43

Model No. / Code **1**(1), 2(1), 3(1) ■ SQ2(1), SQ3(1)

mm inch 30 1 3/16" Wrapped

FOR IMPACT

FOR IMPACT

30 1 3/16" Wrapped

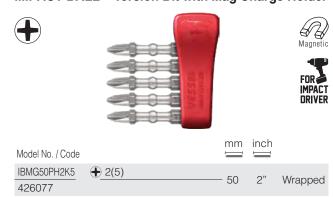
IMPACT BALL™ Torsion Bit with Mag Charge Holder



IMPACT BALL™ Torsion Bit with Mag Charge Holder

T25(1), T30(1)

30 1 3/16" Wrapped



IMPACT BALL™ Torsion Bit with Mag Charge Holder



IMPACT BALL™ Torsion Bit with Mag Charge Holder



90 3 1/2" Wrapped 426081

Model No. / Code

IBMG50K003

Model No. / Code

1 2(2)

■ SQ2(1)

T20(1), T25(1)

IMPACT BALL™ Torsion Bit with Mag Charge Holder



IMPACT BALL™ Torsion Bit with Mag Charge Holder

IMPACT BALL™ Torsion Bit with Mag Charge Holder

==

50 2"

mm inch

Wrapped

Magnetic

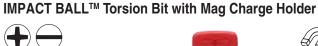
FOR IMPACT

Model No. / Code			inch	
IBMG90K001	1 (1), 2(1), 3(1)	00	0.1/0"	Cordo
426121	SL4(1), SL6(1)	——— 90	3 1/2"	Carde



	mm	inch	Pack		FOR IMPACT DRIVER
	=		QTY		Code
P1	67	2 5/8"	1	Hanger	426111

IBHBM67P10K 67 2 5/8" 10 Bulk 4	26111
	26099
IBHBM150P1 150 6" 1 Hanger 4	26112
IBHBM150P10K 150 6" 10 Bulk 4	26100
IBHBM300P1 300 12" 1 Hanger 4	26113
IBHBM300P10K 300 12" 10 Bulk 4	26101





IMPACT BALL™ Torsion Bit with Mag Charge Holder



IMPACT BALL™ Torsion Bit with Mag Charge Holder



Model No. / Code		mm		
IBMG150PH2K5 426082	<u>+</u> 2(5)	150	6"	Wrapped

IMPACT BALL™ Torsion Bit Holder • Holds bits with a C-ring and a strong magnetic force



	mm	inch	Pack		
Model No.	=		QTY		Cod
BHBM67P1	 67	2 5/8"	1	Hanger	42611
BHBM67P10K	67	2 5/8"	10	Bulk	42609
BHBM150P1	150	6"	1	Hanger	42611
BHBM150P10K	150	6"	10	Bulk	42610
BHBM300P1	300	12"	1	Hanger	42611
DI IDN 1000 DAOI/	000	40"	4.0	Б	40046

NECK TORSION™ Screwdriver Bit

The reduced shank

makes screw head

visible.

Wrenches

NECK TORSION™

Model No.

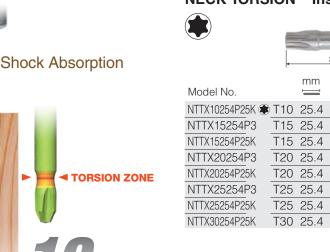
NTSQ1254P25K

NTSQ2254P3

NTSQ3254P3

45

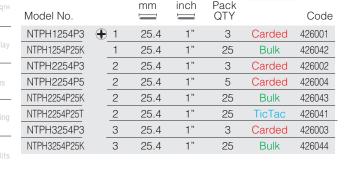




NECK TORSION™ Insert Bit Magnetic FOR IMPACT \equiv QTY Code NTTX10254P25K T10 25.4 25 426045 Bulk T15 25.4 426005 T15 25.4 25 Bulk 426046 3 T20 25.4 426006 T20 25.4 25 Bulk 426047 T25 25.4 426007 T25 25.4 25 Bulk 426048 1" 25 Bulk 426049



Model No.		mm	inch	Pack QTY		Code
NTPH150P2	① 1	50	2"	2	Carded	426017
NTPH150P25K	1	50	2"	25	Bulk	426053
NTPH250P2	2	50	2"	2	Carded	426018
NTPH250P5	2	50	2"	5	Carded	426022
NTPH250P25K	2	50	2"	25	Bulk	426054
NTPH275P2	2	75	3"	2	Carded	426019
NTPH275P10K	2	75	3"	10	Bulk	426062
NTPH2150P1	2	150	6"	1	Carded	426020
NTPH2150P10K	2	150	6"	10	Bulk	426063
NTPH350P2	3	50	2"	2	Carded	426021
NTPH350P25K	3	50	2"	25	Bulk	426055



inch

SQ3 25.4 1" 25 Bulk

QTY

25

25

Carded 426009

mm

SQ1 25.4

SQ1 25.4

SQ2 25.4

SQ2 25.4

SQ3 25.4

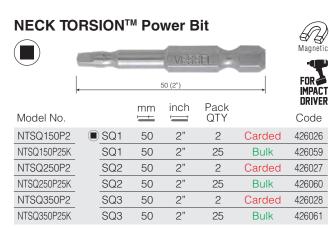
NECK TORSION™ Insert Bit



FOR

IMPACT

DRIVER











426013

50

DEPH3PH350P2









NECK TORSION™ Power Bit with MAG ENHANCER™

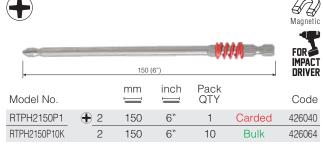












Magnetic

NECK TORSION™

DRYWALLER™ Screwdriver Bit / Counter Display

REDUCED TIP ▶

Reduced diameter for drywall screw

Good visibility at the bit tip

DRYWALLER™ Insert Bit

DRYWALLER™ Power Bit

and superior wear resistance

25.4 (1")

mm

25.4

25.4

25.4

25.4

inch

=

QTY

3

25

20

Pack

Carded

487079

426118

FOR IMPACT

Code

Wrenche

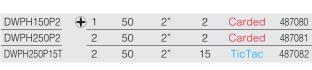
DRY WALLER™

Model No.

DWPH1254P3

DWPH2254P3

Model No.



inch

IMPACT BALL™ Torsion Bit **Counter Display (Bulk)**



Display For IMPACT BALL™ Bits

+1 x 30mm (1 3/16") 25PC. (Bulk)

+1 x 50mm (2") 25PC, (Bulk)

W14.3" (36.3cm) x D15" (38.1cm) x H19" (48.3cm)

Model No. IBBUI K-DSP 1 IBPH130P25K

2 IBPH150P25K 3 IBPH230P25K 4 IBPH250P25K 5 IBPH290P10K

19 IBTX2590P10K 20 IBTX3050P25K 21 IBHBM67P10K 22 IBHBM150P10K

+2 x 30mm (1 3/16") 25PC. (Bulk) +2 x 50mm (2") 25PC. (Bulk) +2 x 90mm (3 1/2") 10PC. (Bulk) +2 x 150mm (6") 10PC, (Bulk) +3 x 30mm (1 3/16") 25PC. (Bulk) +3 x 50mm (2") 25PC. (Bulk) SQ1 x 30mm (1 3/16") 25PC. (Bulk) SQ2 x 30mm (1 3/16") 25PC. (Bulk) SQ2 x 50mm (2") 25PC. (Bulk) SQ2 x 90mm (3 1/2") 10PC. (Bulk) T10 x 50mm (2") 25PC. (Bulk)

6 IBPH2150P10K 7 IBPH330P25K 8 IBPH350P25K 9 IBSQ130P25K 10 IBSQ230P25K 11 IBSQ250P25K 12 IBSQ290P10K 13 IBTX1050P25K 14 IBTX1550P25K 15 IBTX2050P25K 16 IBTX2090P10K 17 IBTX2530P25K 18 IBTX2550P25K

T15 x 50mm (2") 25PC. (Bulk) T20 x 50mm (2") 25PC, (Bulk) T20 x 90mm (3 1/2") 10PC. (Bulk) T25 x 30mm (1 3/16") 25PC. (Bulk) T25 x 50mm (2") 25PC. (Bulk) T25 x 90mm (3 1/2") 10PC. (Bulk) T30 x 50mm (2") 25PC. (Bulk) Bit Holder H1/4" x 67mm (2 5/8") 10PC. (Bulk) Bit Holder H1/4" x 150mm (6") 10PC. (Bulk) 23 IBHBM300P10K Bit Holder H1/4" x 300mm (12") 10PC. (Bulk)

Counter Display

IMPACT BALL™ Torsion Bit with Mag Charge Holder Counter Display

Description IBDISPSTND-DSP DISPLAY FOR IMPACT BALL BITS 1 IBMG30PH2K5 +2 x 30mm (1 3/16") 5PC, (MG Holder) 2 IBMG30K001 +1, +2, +3, SQ2, SQ3 x 30mm (1 3/16") 5PC. (MG Holder) 3 IBMG30K002 T10, T15, T20, T25, T30 x 30mm (1 3/16") x 5PC. (MG Holder 4 IBMG50PH2K5 +2 x 50mm (2") 5PC. (MG Holder) 5 IBMG50K001 +1, +2, +2, +2, +3 x 50mm (2") x 5PC. (MG Holder) 6 IBMG50K002 T10, T15, T20, T25, T30x 50mm (2") x 5PC. (MG Holder) 7 IBMG90PH2K5 +2 x 90mm (3 1/2") 5PC. (MG Holder) 8 IBMG150PH2K5 +2 x 150mm (6") 5PC. (MG Holder)

IMPACT BALL™ Torsion Bit **Tic Tac Case Counter Display**



9 IBHBM67P10K 10 IBHBM150P10K

11 IBHBM300P10K

Torsion Bit Holder H1/4" x 67mm (2 5/8") 10PC. (Bulk)

Torsion Bit Holder H1/4" x 150mm (6") 10PC. (Bulk)

Torsion Bit Holder H1/4" x 300mm (12") 10PC. (Bulk)

Displayer Dimensions: W9"(23cm) x D10.8"(27.5cm) x H7.9"(20cm)

Model No. Description IBPH230P15T-DSP Display Tic Tac For IMPACT BALL™ Bits (IBPH230P15T) IBPH230P15T IMPACT BALL™ Torsion Bit +2x30mm (1 3/16") 15PCS. (Case) x 15Packs

IBPH250P15T-DSP Display Tic Tac For IMPACT BALL™ Bits (IBPH250P15T)

IBPH250P15T IMPACT BALL™ Torsion Bit +2x50mm (2") 15PCS. (Case) x 15Packs

DRYWALLER™ Insert Bit **Tic Tac Case Counter Display**



DRYWALLER™

Display Dimensions: W9"(23cm) x D10.8"(27.5cm) x H7.9"(20cm)

Model No. Description DWPH2254P20T-DSP Display Tic Tac For DRYWALLER™ Bits (DWPH2254P20T) DWPH2254P20T DRYWALLER Insert Bit +2x25.4mm (1") 20PCS. (Case) x 15Packs





Displayer Dimensions: W11.8" (30cm) x D11" (27.8cm) x H18.3" (46.6cm)

NECK TORSION™ Insert Bit Tic Tac Case Counter Display



Displayer Dimensions: W9"(23cm) x D10.8"(27.5cm) x H7.9"(20cm)

NTPH2254P25T-DSP Display Tic Tac For NECK TORSION™ Bits (NTPH2254P25T)

NTPH2254P25T NECK TORSION™ Insert Bit +2x25.4mm (1") 25PCS. (Case) x 15Packs

NECK TORSION™ Power Bit with Mag ENHANCER™ **Tic Tac Case Counter Display**



W9"(23cm) x D10.8"(27.5cm) x H7.9"(20cm) Model No

MGEPH250P10T-DSP Display Tic Tac For NECK TORSION™ Bits with MAG ENHANCER™ (MGEPH250P10T) NECK TORSION Power Bit +2x50mm (2") 10PC. with MAG ENHANCER™ (Case) x 15Packs

<15Packs of your choice>

with MAG ENHANCER™ (Case)

with MAG ENHANCER™ (Case)

with MAG ENHANCER™ (Case)

MGETXXX50P10T-DSP

MGETX1550P10T

MGETX2050P10T MGETX2550P10T

MGFTX3050P10T

MGFTX4050P10T

NECK TORSION Power Bit T40x50mm (2") 10PC

Wrenches

Counter Display

NECK TORSION Power Bit T20x50mm (2") 10PC. NECK TORSION Power Bit T25x50mm (2") 10PC.

with MAG ENHANCER™ (Case) NECK TORSION Power Bit T30x50mm (2") 10PC. with MAG ENHANCER™ (Case)

Display Tic Tac For NECK TORSION™ Bits

NECK TORSION Power Bit T15x50mm (2") 10PC.

with MAG ENHANCER™ (MGXXX50)

48

Accessories

WOOD-COMPO™

Wrenches

DRY WALLER™

Accessories

49

Catch screws with strong magnetic force Magnetized bits get weakened by heat and vibration from work.

Attaching Mag Enhancer maintains the magnetic force.

Its holding power has 15 times more magnetic force.



*Applicable to smaller diameter than 1/4 inch

MAG ENHANCER™

*Applicable to smaller diameter than 1/4 inch



Model No.	mm	inch	Pack QTY		Code
MGEP2	21	13/16"	2	Carded	426103

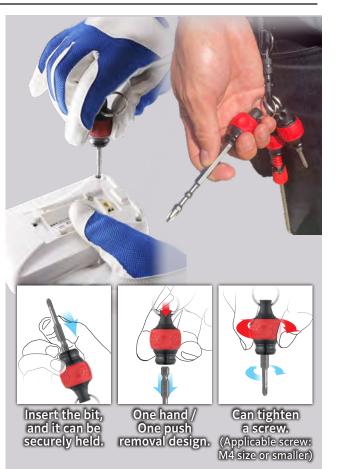
Magnetize



Insert onto a driver bit.



forth on the side. Release the tip last.



BALL GRIP™ Carrying Bit Holder





Model No.	Contents	Pack QTY		Code
QB22RU	Red	1	Carded	486937
QB22GU	Green	1	Carded	486939
QB22VU	Purple	1	Carded	486940
QB22YU	Yellow	1	Carded	486938
QB22KU	Black	1	Carded	487043

For Branding

POP: WING PANEL





DEMO KIT



Size:H24" × W8"

vesseltoolsusa.com

IMPACT & OUT™

Wrenches

NECK TORSION

For Branding

For Branding

Wrenches

For Branding

WOOD-COMPO™

BANNER



Size: H2ft × W4ft



LOGO PANEL



Size L:H15" x W36" M:H10" × W23" S:H6" × W14"

FLOOR MAT w/ Adhesive also for countertop



Size: H17.5" × W24"



IMPACT & OUT

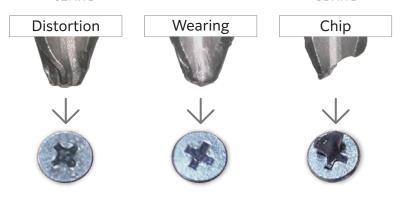
For Branding

Selecting Best Bits

Hardness (Heat treatment classification)

(1)	Hardness Heat treatment classification)			G Standard hardness	E Low hardness
•	Examples of use for screws Precision small screws, automated machine fitting, collated screws Wood screws, small screws tapping screws, self-drilling screws		, ,, ,	Tapping screws, small screws	Self-drilling screws, tapping screws, small screws
			Light electric assembly, communication acoustic device assembly, civil engineering and construction work	Automobile and machine assembly, sash frame assembly	Rigid joint, sheet metal assembly, heavy work

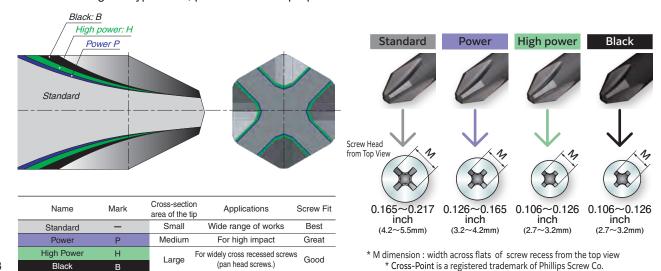




Easy to fracture when a bit is higher than optimum hardness Easy to wear-out or distort when a bit is lower than optimum hardness

Screw Types (High Power Type)

For increased durability, we offer a bit with a larger cross-sectional area of the tip-end. When selecting this type of bit, please consider proper screw fit.



A Long Lasting Technology

Breakage of a screwdriver bit not only reduces work efficiency but also adversely affects the quality of an assembled product. Improving durability of a screwdriver bit is a critical issue for assembly lines.



Precision Fitting

Screwdriver bits are produced with consistent accuracy due to superior manufacturing machines and thorough quality control.

In-house controlled heat treatment developed by in-depth analysis also produces a more durable product.





Insert Bits

NECK TORSION

Neck design absorbs and reduces vibration during

screwing into wood, tapping,

This shape also reduces bit

bouncing thereby improving

work efficiency and extend-

and other similar applications.

WOOD-COMPO™

Insert Bits

Bit Holder

Model No. Tip Size

NTPH1254P3 ⊕ 1

NTPH1254P25K

NTPH2254P5

NTPH2254P25T

NTPH2254P25K

NTPH3254P3

1/4" Hex NECK TORSION™ Insert Bit

Drive: 1/4 DIN 3126-C6.3, ISO 1173

1/4" Hex NECK TORSION™ Insert Bit

25.4 1"

25.4 1"

25.4 1" X

25.4 1" X

25.4

25.4



Length (mm) Length (inch) Hardness Inner Ctn

Χ

		←	25.4	(1")	>	62 HR3	IMPACT
Model No.	Tip Size	Overall Length (mm)	Overall Length (inch)	Hardness	Inner Ctn.	(Highest Hardness)	DRIVER Code
NTTX10254P25K	▶ T10	25.4	1"	Χ	25	Bulk	426045
NTTX15254P3	T15	25.4	1"	Χ	3	Carded	426005
NTTX15254P25K	T15	25.4	1"	Χ	25	Bulk	426046
NTTX20254P3	T20	25.4	1"	Χ	3	Carded	426006
NTTX20254P25K	T20	25.4	1"	Χ	25	Bulk	426047
NTTX25254P3	T25	25.4	1"	Χ	3	Carded	426007
NTTX25254P25K	T25	25.4	1"	Χ	25	Bulk	426048
NTTX30254P25K	T30	25.4	1"	Χ	25	Bulk	426049

1/4" Hex NECK TORSION™ Insert Bit





		Overall	Overall			CyVOIIA	DRIVER
Model No.	Tip Size	Length (mm)	Length (inch)	Hardness	Inner Ctn.		Code
NTSQ1254P3 (SQ1	25.4	1"	Χ	3	Carded	426008
NTSQ1254P25K	SQ1	25.4	1"	Χ	25	Bulk	426050
NTSQ2254P3	SQ2	25.4	1"	Χ	3	Carded	426009
NTSQ2254P25K	SQ2	25.4	1"	Χ	25	Bulk	426051
NTSQ3254P3	SQ3	25.4	1"	Χ	3	Carded	426010
NTSQ3254P25K	SQ3	25.4	1"	Χ	25	Bulk	426052

1/4" Hex Insert Bit







Model No.	Tip Size	Length (mm)	Length (inch)	Hardness	Inner Ctn.	Code
B33P03254H (⊕ 0	25.4	1"	Н	10	426124
B33P1254H	1	25.4	1"	Н	10	421231
B33P145254H	1	25.4	1"	Н	10	426120
B33P2254H	2	25.4	1"	Н	10	421241
B33P25254H	2	25.4	1"	Н	10	426125
B33P3254G	3	25.4	1"	G	10	421242

1/4" Hex Insert Bit



FOR IMPACT

Code

426041

426043

DyVoliA

3 Carded 426001

3 Carded 426002

5 Carded 426004

Bulk

3 Carded 426003

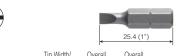
25 Bulk

Bulk 426042

25

25

25

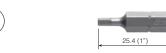




Model No.	Shank Diameter	Length (mm)	Length (inch)	Hardness	Inner Ctn.	Code
B33S4254G	⊖ SL4	25.4	1"	G	10	421251
B33S6254G	SL6	25.4	1"	G	10	421252

1/4" Hex Insert Bit







Model No.	Tip Size	Overall Length (mm)	Overall Length (inch)	Hardness	Inner Ctn.	Code
B33H2254H	H2	25.4	1"	Н	10	421260
B33H25254H	H2.5	25.4	1"	Н	10	421261
B33H3254H	НЗ	25.4	1"	Н	10	421262
B33H4333H	H4	33	1 5/16'	' H	10	421263
B33H5333H	H5	33	1 5/16'	' H	10	421264
B33H6333H	H6	33	1 5/16'	' Н	10	421265

1/4" Hex Insert Bit



B33T40254H



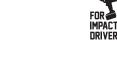
			25			DRIVER
Model No.	Tip Size	Overall Length (mm)	Overall Length (inch)	Hardness	Inner Ctn.	Code
B33T325H	● T3	25	1"	Н	10	489154
B33T525H	T5	25	1"	Н	10	489155
B33T6254H	T6	25.4	1"	Н	10	635400
B33T725H	T7	25	1"	Н	10	489157
B33T8254H	T8	25.4	1"	Н	10	635401
B33T10254H	T10	25.4	1"	Н	10	635402
B33T15254H	T15	25.4	1"	Н	10	635403
B33T20254H	T20	25.4	1"	Н	10	635404
B33T25254H	T25	25.4	1"	Н	10	635405
B33T27254H	T27	25.4	1"	Н	10	635406
B33T30254H	T30	25.4	1"	Н	10	635407

1/4" Hex Insert Bit



T40

25.4



10

635408

FOR

Model No.	Tip Size	(mm)	(inch)	Hardness	Inner Ctn.	Code
B33IP1525H	15IP	25	1"	Н	10	447204
B33IP2025H	20IP	25	1"	Н	10	447205
B33IP2525H	25IP	25	1"	Н	10	447206
B33IP3025H	30IP	25	1"	Н	10	447207
B33IP4025H	40IP	25	1"	Н	10	447208

1"

Drive: 5/16 DIN 3126-C8, ISO 1173

5/16" Hex Insert Bit





						IMPACT
			32	→		DRIVER
Model No.	Tip Size	Overall Length (mm)	Overall Length (inch)	Hardness	Inner Ctn.	Code
A5T3032H €	T30	32	1 1/4"	Н	10	635427
A5T4032H	T40	32	1 1/4"	Н	10	635428
A5T4532H	T45	32	1 1/4"	Н	10	635429
A5T5032H	T50	32	1 1/4"	Н	10	635430

Drive: 1/4 DIN 3126-C6.3, ISO 1173

Magnet Screw Catcher

Magnet Screw Catcher

Magnet Screw Catcher

T20

Model No. Tip Size

B33MMBCPZ133H **₩PZ1**

B33MMBCPZ233H PZ2



FOR IMPACT



SE SEPTION .

Length (inch)

33 1 5/16"

1 5/16"

Hardness

Hardness

Н

Hardness

Н

Length (mm)

33



Overall Length (inch) Length (mm) Model No. Tip Size Hardness Inner Ctn. Code B33MMBCP133H **→** 1 33 1 5/16" 10 447105 447106 1 5/16"

FOR

DRIVER

Code 447107

447108

Inner Ctn.

10

10

Inner Ctn.

10

10

10

10

10

10

10

10

10

10

10

FOR IMPACT DRIVER

Code 447104 447102

447110

Replacement Bits For MMBC Series

Length (mm)

33

33

33

33

ength (mm)

33

33

33





Model No. Tip Size

B33MMBCT1533HRB T15

B33MMBCT2533HRB T25

B33MMBCP233HRB 2

B33MMBCPZ133HRB **₹**PZ1

B33MMBCPZ233HRB PZ2

T20

B33MMBCT2033HRB

Model No. Tip Size

B33MMBCT1033H **T10**

B33MMBCT1533H T15

B33MMBCT2533H T25

B33MMBCT2033H



33 1 5/16" X

1 5/16"

1 5/16"

1 5/16"

1 5/16"

33 1 5/16"

33 1 5/16"

33 1 5/16"

Length (inch)

1 5/16"

1 5/16"

33 1 5/16"

1 5/16" H



447330

447331

447332

447333

447334

447335

447336

447103

		IMPACT DRIVER	Power Bits
In	ner Ctn.	Code	Power Bits Mag Catch
	10	447329	-

Power Bits

Power Bits

Model No.

NTSQ150P25K

NTSQ250P2

NTSQ250P25K

NTSQ350P2

NTSQ350P25K

NTSQ150P2 SQ1

Tip Size

SQ1

SQ2

SQ2

SQ3

Drive: 1/4 DIN 3126-E6.3, ISO 1173

1/4" Hex NECK TORSION™ Power Bit





Model No.	Tip Size	Overall Length (mm)	Overall Length (inch)	Length	Hardness	Inner Ctn.		Code
	_'	(111111)	. ,	(A)		IIII GIII.		
NTPH150P2	⊕ 1	50	2"	25	Х	2	Carded	426017
NTPH150P25K	1	50	2"	25	Χ	25	Bulk	426053
NTPH250P2	2	50	2"	25	Χ	2	Carded	426018
NTPH250P5	2	50	2"	25	Χ	5	Carded	426022
NTPH250P15T	2	50	2"	25	Χ	15	TicTac	426029
NTPH250P25K	2	50	2"	25	Χ	25	Bulk	426054
NTPH275P2	2	75	3"	25	Χ	2	Carded	426019
NTPH275P10K	2	75	3"	25	Χ	10	Bulk	426062
NTPH2150P1	2	150	6"	100	Χ	1	Carded	426020
NTPH2150P10K	2	150	6"	100	Χ	10	Bulk	426063
NTPH350P2	3	50	2"	25	Χ	2	Carded	426021
NTPH350P25K	3	50	2"	25	Χ	25	Bulk	426055

Other 1/4" Hex NECK TORSION™ Power Bit





Model No.	Tip Size	Overall Length (mm)	Overall Length (inch)	Hardness	Inner Ctn.		Code
NTTX1550P2	● T15	50	2"	Χ	2	Carded	426023
NTTX1550P25K	T15	50	2"	Χ	25	Bluk	426056
NTTX2050P2	T20	50	2"	Χ	2	Carded	426024
NTTX2050P25K	T20	50	2"	Χ	25	Bulk	426057
NTTX2550P2	T25	50	2"	Χ	2	Carded	426025
NTTX2550P25K	T25	50	2"	Χ	25	Bulk	426058

1/4" Hex NECK TORSION™ Power Bit

50

50

50

50

50



		+	25 →	
			VESSEL -	\
		L		6
,				
	Overall	Overall		

SQ3 50 2" X 25 TicTac 426061

Overall			EXVOII.	3 DRIVER
Length (inch)	Hardness	Inner Ctn.		Code
2"	Χ	2	Carded	426026
2"	Χ	25	Bulk	426059
2"	Χ	2	Carded	426027
2"	Χ	25	Bulk	426060
2"	X	2	Carded	426028

1/4" Hex Power BIT



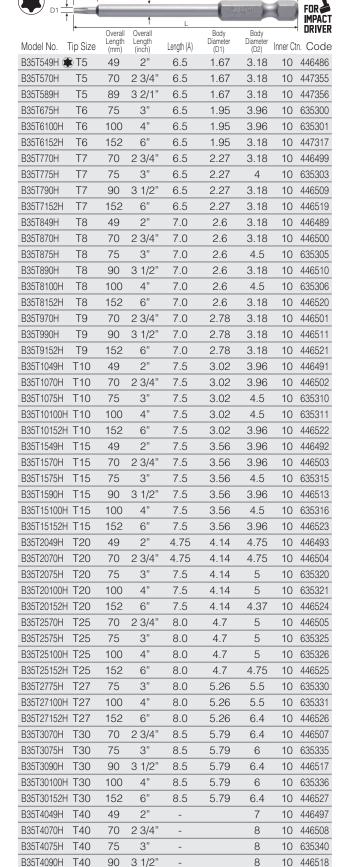
		Overall	Overall		Pody		
Model No.	Tip Size	Length (mm)	Length (inch)	Hardness	Body Diameter	Inner Ctn.	Code
B35P00122060H	⊕ 00	60	2 3/8	Н	1.2	10	446126
335P0015849H	00	49	2"	Н	1.58	10	446423
B35P00240100H	00	100	4"	Н	2.0	10	446141
B35P031749H	0	49	2"	Н	3.17	10	487195
335P0143060H	0	60	2 3/8"	Н	1.4	10	446145
B35P022060H	0	60	2 3/8"	Н	2.0	10	446153
335P0230100H	0	100	4"	Н	2.0	10	446157
335P150H	1	50	2"	Н	7	10	424032
335P175H	1	75	3"	Н	7	10	424035
335P145100H	1	100	4"	Н	4.5	10	424036
335P14889H	1	89	3 1/2"	Н	4.8	10	487202
B35P248100H	2	100	4"	Н	4.8	10	446429
335P26100H	2	100	4"	Н	6	10	489255
335P26150H	2	150	6"	Н	6	10	489673
335P26200H	2	200	8"	Н	6	10	446439
B35P263549H	2	49	2"	Н	6.4	10	487205
B35P263570H	2	70	2 3/4"	Н	6.35	10	487206
B35P263589H	2	89	3 1/2"	Н	6.35	10	487207
335P2635152H	2	152	6"	Н	6.35	10	487208
335P250X	2	50	2"	Χ	7	10	424061
B35P250G	2	50	2"	G	7	10	424040
335P275X	2	75	3"	Χ	7	10	424062
335P275H	2	75	3"	Н	7	10	424047
B35P275G	2	75	3"	G	7	10	424041
B35P275E	2	75	3"	Е	7	10	424042
335P2775100H	2	100	4"	Н	7	10	424048
335P2100G	2	100	4"	G	7	10	424043
B35P2100E	2	100	4"	Е	7	10	424044
335P2150H	2	150	6"	Н	7	10	424049
335P2150G	2	150	6"	G	7	10	424045
B35P2150E	2	150	6"	Е	7	10	424046
B35P245100H	2	100	4"	Н	4.5	10	424038
335P349H	3	49	2"	Н	7.9	10	487210
335P389H	3	89	3 1/2"	Н	7.9	10	487212
B35P375H	3	75	3"	Н	7	10	424050
B35P375E	3	75	3"	Е	7	10	424051
B35P3100H	3	100	4"	Н	7	10	424052
B35P3100E	3	100	4"	Е	7	10	424053
B35P3150G	3	150	6"	G	7	10	424054

1/4" Hex Power BIT



Model No.	Tip Size	Length (mm)	Length (inch)	Hardness	Tip Width/ Shank Diamet	erInner Ctn.	Code
B35S675E	⊖ SL6	75	3"	Е	6	10	424075
B35S6351049H	SL6.35	49	2"	Н	6.35	10	487245
B35S791249H	SL7	49	2"	Н	7.9	10	487255

1/4" Hex Power BIT

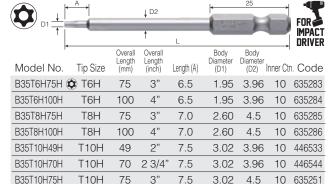


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B35T40100H T40 100 4"

Model No.	Tip Size	Overall Length (mm)	Overall Length (inch)	Length (A)	Body Diameter (D1)	Body Diameter (D2)	Inner Ctn	Code
B35T40152H	T40	152	6"	-	-	8	10	446528
B35T4575H	T45	75	3"	-		7.9	10	635345
B35T45100H	T45	100	4"	-		7.9	10	635346

1/4" Hex Power BIT



B35T6H100H	Т6Н	100	4"	6.5	1.95	3.96	10	635284
B35T8H75H	T8H	75	3"	7.0	2.60	4.5	10	635285
B35T8H100H	Т8Н	100	4"	7.0	2.60	4.5	10	635286
B35T10H49H	T10H	49	2"	7.5	3.02	3.96	10	446533
B35T10H70H	T10H	70	2 3/4"	7.5	3.02	3.96	10	446544
B35T10H75H	T10H	75	3"	7.5	3.02	4.5	10	635251
B35T10H100H	T10H	100	4"	7.5	3.02	4.5	10	635252
B35T15H75H	T15H	75	2 3/4"	7.5	3.56	4.5	10	635255
B35T15H100H	T15H	100	4"	7.5	3.56	4.5	10	635256
B35T20H49H	T20H	49	2"	7.5	4.14	4.37	10	446535
B35T20H70H	T20H	70	2 3/4"	7.5	4.14	4.37	10	446546
B35T20H75H	T20H	75	3"	7.5	4.14	5	10	635261
B35T20H100H	T20H	100	4"	7.5	4.14	5	10	635262
B35T25H75H	T25H	75	3"	8.0	4.70	5	10	635265
B35T25H100H	T25H	100	4"	8.0	4.70	5	10	635266
B35T27H75H	T27H	75	3"	8.0	5.26	5.5	10	635271
B35T27H100H	T27H	100	4"	8.0	5.26	5.5	10	635272
B35T30H75H	T30H	75	3"	8.5	5.79	6	10	635275
B35T30H100H	T30H	100	4"	8.5	5.79	6	10	635276
B35T40H75H	T40H	75	3"	-	-	7	10	635281
B35T40H100H	T40H	100	4"	-	-	7	10	635282

1/4" Hex Power BIT

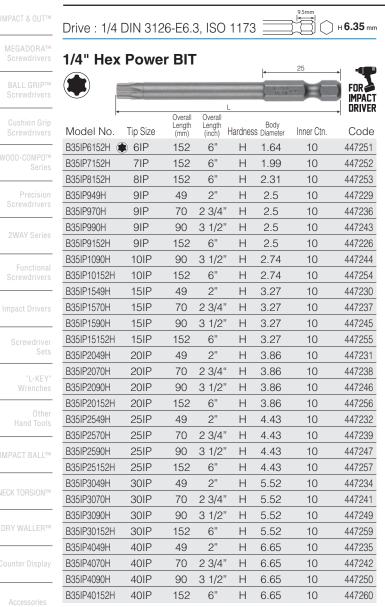


11.			Ī	L					DRIVER
Model No.	Tip Size	Overall Length (mm)	Overall Length (inch)	Length (A)	Body Diameter (D1)	Body Diameter (D2)	Hardness	Inner Ctn.	Code
B35H275H	● H2	75	3"	9.5	2.35	7	Н	10	424080
B35H2100H	H2	100	4"	9.5	2.35	7	Н	10	424081
B35H2575H	H2.5	75	3"	9.5	2.9	7	Н	10	424082
B35H25100H	H2.5	100	4"	9.5	2.9	7	Н	10	424083
B35H25150H	H2.5	150	6"	9.5	2.9	7	Н	10	424093
B35H375H	НЗ	75	3"	10	3.55	7	Н	10	424084
B35H3100H	НЗ	100	4"	10	3.55	7	Н	10	424085
B35H3150H	НЗ	150	6"	10	3.55	7	Н	10	424094
B35H44649H	H4	49	2"	27	4.6	4.6	Н	10	487282
B35H475H	H4	75	3"	11	4.75	7	Н	10	424086
B35H4100H	H4	100	4"	11	4.75	7	Н	10	424087
B35H4150H	H4	150	6"	11	4.75	7	Н	10	424095
B35H55849H	H5	49	2"	27	5.8	5.8	Н	10	487283
B35H575G	H5	75	3"	13	5.85	7	G	10	424088
B35H5100G	H5	100	4"	13	5.85	7	G	10	424089
B35H5150G	H5	150	6"	13	5.85	7	G	10	424096
B35H649H	H6	49	2"	-	He	3.35		Н	48170284
B35H675G	H6	75	3"	-	7		G	10	424090
B35H6100G	H6	100	4"	-	7		G	10	424091

B35H6150G H6 150 6" - 7

Power Bits

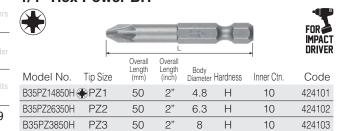
Power Bits/ Mag Catcher



1/4" Hex Power BIT



1/4" Hex Power BIT



/4" Hex	Powe	r BIT		3	11	
				L		FOR IMPACT
Model No.	Tip Size	Overall Length (mm)	Overall Length (inch)	Hardness	Inner Ctn.	DRIVER Code
35TW140H 🗜	TW1	40	1 9/16"	Н	10	424201
35TW240H	TW2	40	1 9/16"	Н	10	424202
35TW340H	TW3	40	1 9/16"	Н	10	424203
35TW440H	TW4	40	1 9/16"	Н	10	424204

1/4" Hex NECK TORSION™ Mag Catcher Power Bit



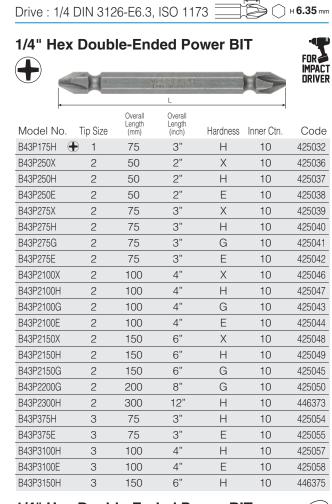
1/4" Hex NECK TORSION™ Mag Catcher Insert Bit Replacement Bit



1/4" Hex		er E	Bit Re	educe	ed Sh	aft	FOR IMPACT DRIVER	Magnetic
	A(B)		—	L				9.5
Model No.	Tip Size	Overall Length (mm)	Overall Length (inch)	Length (A(B))	Hardness	Body Diameter	Inner Ctn.	Code
MAB16P24565H (₽ 2	65	2 9/16	" 40	Н	4.5	10	415301
MAB16P245100H	2	100	4"	75	Н	4.5	10	415302
MAB16P245150H	2	150	6"	50(75)	Н	4.5	10	415303

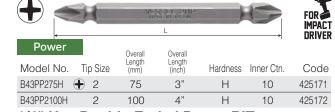
WAD 10F 243 13011 Z	150 0	30(73)	1 4.	5 10	413303
MAGNETIC S	CREW C	ATCHE	ER	-460	
super magnet holds extra long screw.	墨		- a	FOR IMPACT DRIVER	Magnetic
	Overall Length	71 Overall Lend	ath	ı	
Model No.	(mm)	Overall Leng (inch)	9	Inner Ctn.	Code
MBCAF63571	71	2 3/4"		1PC	486345

Double-Ended Power Bits





1/4" Hex Double-Ended Power BIT



1/4" Hex Double-Ended Power BIT

	1/4 nex D	labo	e-⊏⊓	ded Pov	wer bi	1	
(H		L			FOR IMPACT DRIVER
	High power Model No. Ti	p Size	Overall Length (mm)	Overall Length (inch)	Hardness	Inner Ctn.	Code
E	B43HP275H ⊕	2	75	3"	Н	10	425151
E	B43HP2100H	2	100	4"	Н	10	425153
Е	B43HP2150H	2	150	6"	Н	10	425155

1/4" Hex Double-Ended Power BIT



OR SCREWGRIVERS

MPACT
RIVER

BALL GRIP™
Screwdrivers

Length (inch) Model No. Tip Size Hardness Inner Ctn. Code 50 S B43BP250S ⊕ 2 2" 10 425141 B43BP275S 75 3" S 10 425142 100 4" S 10 425143 B43BP2100S 2 150 10 425144

1/4" Hex Double-Ended Power BIT



 Model No.
 Tip Size
 Overall Length (mm)
 Overall Length (inch)
 Hardness
 Body Diameter
 Inner Ctn.
 Code

 BT43P275H
 ♣
 2
 75
 3"
 H
 Torsion
 10
 425161

 BT43P2100H
 2
 100
 4"
 H
 Torsion
 10
 425162

1/4" Hex Double-Ended Power BIT

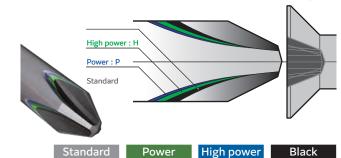


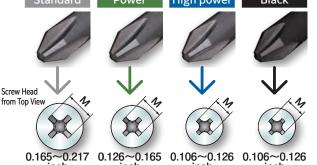
 Power
 Overall Length (mm)
 Overall Length (inch)
 Hardness
 Body Diameter Inner Ctn.
 Code

 BT43PP275X
 ▶ 2
 75
 3"
 X
 Torsion
 10
 425201

 BT43PP2100X
 2
 100
 4"
 X
 Torsion
 10
 425202

Selecting best fit Cross-Point tip* for various screw types





(2.7~3.2mm)

* M dimension: width across flats of screw recess from the top view * Cross-Point is a registered trademark of Phillips Screw Co. e-ASSIST™ Screwdrivers

IMPACT & OUT™

MEGADORA™ Screwdrivers

> BALL GRIP™ Screwdrivers Cushion Grip

Screwdrivers

WOOD-COMPOTM
Series

Precision Screwdrivers

2WAY Series

Functional Screwdrivers

Impact Drivers

Sets

Wrenches
Other

IMPACT DALLIM

DRY WALLER™

For Branding

For Branding

Power Bits

Power Bits/ Mag Catcher

Double-Ended Power Bits

Nut Setters

Bit Holder

Precision Bits

^{*} Refer to P53 for hardness table (heat treatment classification).

Nut Setters

IMPACT & OUT™

Wrenches

Nut Setters

Bit Holder

Features of press-fit type sockets (Press-fit type: marked with a star symbol in the table of each model) MEDIUM HARDNESS HIGH HARDNESS Improves durability of socket Strong resistance to shank breakage

The shank and socket have been heat-treated to the best hardness and press-fit together. The socket part is strong against wear and the shank against twisting, resulting in higher durability. Prevents shank breakage Torsion moment with a static torque Press-fit type 07

N·m

Drive: 1/4 DIN 3126-C6.3, ISO 1173

Nutsetter 1/4" Hex Nutsetter Metric



Model No.	Socket Size	Overall Length (mm)	Overall Length (inch)	Socket Nose Diameter φ	Inner Ctr	n. Code	
	A /F4	50	2"	8	10	489301	
B45AF475	A/F4	75	3"	8	10	489314	
B45AF4100	A/F4	100	4"	8	10	489327	
B45AF4550	AF/4.5	50	2"	8	10	489302	
B45AF550	AF/5	50	2"	8	10	489303	
B45AF575	AF/5	75	3"	8	10	489316	
B45AF5100	AF/5	100	4"	8	10	489329	
B45AF5550	A/F5.5	50	2"	9	10	489304	
B45AF5575	A/F5.5	75	3"	9	10	424281	
B45AF55100	A/F5.5	100	4"	9	10	424380	
B45AF55150	A/F5.5	150	6"	9	10	424265	☆
B45AF650	A/F6	50	2"	10	10	489305	
B45AF675	A/F6	75	3"	10	10	424282	☆
B45AF6100	A/F6	100	4"	10	10	424381	
B45AF6150	A/F6	150	6"	10	10	424266	☆
B45AF750	A/F7	50	2"	13.5	10	489306	
B45AF71175	A/F7	75	3"	11	10	424279	
B45AF775	A/F7	75	3"	13.5	10	424283	☆
B45AF711100	A/F7	100	4"	11	10	424280	
B45AF7100	A/F7	100	4"	13.5	10	424382	☆
B45AF7150	A/F7	150	6"	13.5	10	424267	☆
B45AF850	A/F8	50	2"	13.5	10	489307	
B45AF875	A/F8	75	3"	13.5	10	424284	☆
B45AF8100	A/F8	100	4"	13.5	10	424383	☆
B45AF8150	A/F8	150	6"	13.5	10	424483	$\stackrel{\wedge}{\sim}$
B45AF950	A/F9	50	2"	16	10	489308	
B45AF1050	A/F10	50	2"	16	10	489309	
B45AF1075	AF/10	75	3"	16	10	424286	☆
B45AF10100	AF/10	100	4"	16	10	424384	$\stackrel{\wedge}{\sim}$
B45AF10150	AF/10	150	6"	16	10	424484	☆
B45AF1150	A/F11	50	2"	17	10	489310	
B45AF1175	A/F11	75	3"	17	10	424270	$\stackrel{\wedge}{\bowtie}$
B45AF11100	A/F11	100	4"	17	10	424271	$\stackrel{\wedge}{\bowtie}$
B45AF1250	A/F12	50	2"	18	10	489311	
B45AF1275	A/F12	75	3"	18	10	424287	$\stackrel{\wedge}{\simeq}$
B45AF12100	A/F12	100	4"	18	10	424385	$\stackrel{\wedge}{\simeq}$
B45AF12150	A/F12	150	6"	18	10	424272	☆
B45AF1350	A/F13	50	2"	19	10	489312	
B45AF1375	AF/13	75	3"	19	10	424288	
B45AF13100	AF/13	100	4	19	10	424386	\Rightarrow
B45AF1450	A/F14	50	2"	20	10	489313	
B45AF1475	A/F14	75	3"	20	10	424289	
B45AF14100	A/F14	100	4"	20	10	424387	\Rightarrow

☆ = Made with a patented axial press-fit shank technique.

Nutsetter 1/4" Hex Magnet Nutsetter Metric



Model No.	Socket Size	Overall Length (mm)	Overall Length (inch)	Socket Nose Diameter φ	Inner Ct	n. Code	
MB45AF550	O A/F5	50	2"	8.5	10	489340	
MB45AF575	A/F5	75	3"	8.5	10	489351	
MB45AF5100	A/F5	100	4"	8.5	10	489362	
MB45AF5550	A/F5.5	50	2"	9	10	489341	
MB45AF5575	A/F5.5	75	3"	9	10	489352	
MB45AF650	A/F6	50	2"	10	10	489342	
MB45AF675	A/F6	75	3"	10	10	489353	
MB45AF6100	A/F6	100	4"	10	10	489364	
MB45AF750	A/F7	50	2"	13	10	489343	
MB45AF765	A/F7	65	2 9/16'	' 13	10	482520	
MB45AF775	A/F7	75	3"	13	10	489354	
MB45AF7100	A/F7	100	4"	13	10	489365	
MB45AF7150	A/F7	150	4"	13.5	10	446622	
MB45AF850	A/F8	50	2"	13.5	10	489344	
MB45AF865	A/F8	65	2 9/16'	13.5	10	482521	7
MB45AF875	A/F8	75	3"	13.5	10	482523	
MB45AF8100	A/F8	100	4"	13.5	10	482524	7
MB45AF8150	A/F8	150	6"	13.5	10	424274	7
MB45AF950	A/F9	50	2"	14	10	489345	
MB45AF9665	A/F9.6	65	2 9/16'	' 15	10	482522	7
MB45AF1050	A/F10	50	2"	16	10	489346	
MB45AF1075	A/F10	75	3"	16	10	482525	7
MB45AF10100	A/F10	100	4"	16	10	482526	7
MB45AF10150	A/F10	150	6"	16	10	424275	7
MB45AF1150	A/F11	50	2"	17	10	489347	
MB45AF1175	A/F11	75	3"	17	10	489358	
MB45AF11100	A/F11	100	4"	17	10	489369	
MB45AF1250	A/F12	50	2"	19	10	489348	
MB45AF1275	A/F12	75	3"	18	10	424276	7
MB45AF12100	A/F12	100	4"	18	10	424277	7
MB45AF12150	A/F12	150	6"	18	10	424278	7
MB45AF1350	A/F13	50	2"	19	10	489349	
MB45AF1375	A/F13	75	3"	19	10	489360	
MB45AF13100	A/F13	100	4"	19	10	489371	
MB45AF13150	A/F13	150	6"	19	10	446626	
MB45AF1475	A/F14	75	3"	20	10	489361	
MB45AF14100	A/F14	100	4"	20	10	489372	

☆= Made with a patented axial press-fit shank technique.

Nutsetter 1/4" Hex **Sliding Magnet Nutsetter Metric**



Model No.	Socket Size	Overall Length (mm)	Overall Length (inch)	Socket Nose Diameter φ	Inner Ctn.	Code
MB45DAF8100 () A/F8	100	4"	13	10	482516
MB45DAF10100	A/F10	100	4"	16	10	482517

Nutsetter 1/4" Hex **Side Magnet Nutsetter Metric**



Model No.	Socket Size	Overall Length (mm)	Overall Length (inch)	Socket Nose Diameter φ	Inner Ctn.	Code
MB45SAF8100	O A/F8	100	4"	13	10	482406
MB45SAF10100	A/F10	100	4"	16	10	482407

Magnetic

FOR IMPACT

Bit Holder

61

e-ASSIST™ Bit Holder

TORSION ZONE

is fully seated.

ABSORB SHOCKS Torsion zone absorbs the impact caused by an impact

driver when the screw head

Impact absorption helps to

reduce tip breakage.

NECK TORSION

IMPACT & OUT™

Wrenches

Accessories

Power Bits

Bit Holder

Precision Bits





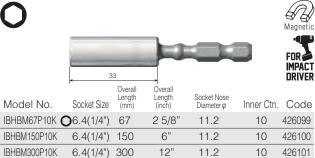
Bit Holder 1/4" Hex Bit Holder w. C-pin

HBMAF63575 **6**.4(1/4") 75 3" 11.2(7/16") 10



Model No.	Socket Size	Length (mm)	Length (inch)	Socket Nose Diameter ϕ	Inner Ctn.	Code	
HBAF63575	O 6.4(1/4")	75	3"	10(13/32")	10	482420	

IMPACT BALL™ Torsion Magnet Bit Holder



Hex Socket Adapter







Model No.	Drive Size	Length (mm)	Length (inch)	Inner Ctn. Code
B35SA63575	6.35(1/4")	75	3"	10 487382
B35SA635100	6.35(1/4")	100	4"	10 487383
B35SA635150	6.35(1/4")	150	6"	10 487384
B35SA9550	9.6(3/8")	50	2"	10 487391
B35SA9575	9.6(3/8")	75	3"	10 487392
B35SA95100	9.6(3/8")	100	4"	10 487393
B35SA95150	9.6(3/8")	150	6"	10 487394

Precision Bits

Drive: 4mm HIOS direct drive

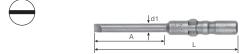
11.5mm \$\display \phi 4 mm

Cross-Point Precision Bit



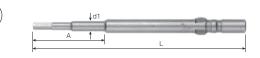
Model No.	Tip Size	Length (mm)	Length (inch)	Diameter (d1)	Length (A)	Inner Ctn.	Code
D73P00122040		40	1 9/16"	1.2	20	10	446001
D73P00152040	00	40	1 9/16"	1.5	20	10	483001
D73P00152060	00	60	2 3/8"	1.5	20	10	483002
D73P00152080	00	80	3 1/8"	1.5	20	10	483003
D73P00172040	00	40	1 9/16"	1.7	20	10	446004
D73P0022040	00	40	1 9/16"	2	20	10	483005
D73P0022060	00	60	2 3/8"	2	20	10	483006
D73P0142040	0	40	1 9/16"	1.4	20	10	446016
D73P0142060	0	60	2 3/8"	1.4	20	10	446017
D73P0142080	0	80	3 1/8"	1.4	20	10	483008
D73P0152040	0	40	1 9/16"	1.5	20	10	446022
D73P0152060	0	60	2 3/8"	1.5	20	10	446076
D73P0172040	0	40	1 9/16"	1.7	20	10	483010
D73P0172060	0	60	2 3/8"	1.7	20	10	483011
D73P0172080	0	80	3 1/8"	1.7	20	10	483012
D73P0182060	0	60	2 3/8"	1.8	20	10	483013
D73P022040	0	40	1 9/16"	2	20	10	446025
D73P022060	0	60	2 3/8"	2	20	10	446026
D73P023060	0	60	2 3/8"	2	30	10	446029
D73P022080	0	80	3 1/8"	2	20	10	446027
D73P0220100	0	100	4"	2	20	10	446028
D73P0220120	0	120	4 3/4"	2	20	10	483014
D73P0252040	0	40	1 9/16"	2.5	20	10	483015
D73P0252060	0	60	2 3/8"	2.5	20	10	483016
D73P0252080	0	80	3 1/8"	2.5	20	10	446033
D73P02520100	0	100	4"	2.5	20	10	446034
D73P02520120	0	120	4 3/4"	2.5	20	10	483017
D73P1252040	1	40	1 9/16"	3	20	10	446048
D73P132040	1	40	1 9/16"	3	20	10	483021
D73P132060	1	60	2 3/8"	3	20	10	446053
D73P132080	1	80	3 14/8"	2	20	10	446054
D73P1320100	1	100	4"	3	20	10	446055
D73P1320120	1	120	3 1/8"	3	20	10	483376
D73P140	1	40	1 9/16"	4	-	10	483025
D73P160	1	60	2 3/8"	4	-	10	446059
D73P180	1	80	3 1/8"	4	-	10	483026
D73P1100	1	100	4"	4	-	10	483027
D73P1120	1	120	4 3/4"	4	-	10	483028
D73P1150	1	150	6"	4	-	10	483029
D73P1200	1	200	8"	4	-	10	483032
D73P240	2	40	1 9/16"	4	-	10	483031
D73P260	2	60	2 3/8"	4	-	10	446070
D73P280	2	80	3 1/8"	4	-	10	446071
D73P2100	2	100	4"	4	-	10	446072
D73P2120	2	120	4 3/4"	4	-	10	446073
D73P2150	2	150	6"	4	-	10	483033

Slotted Precision Bit



Model No.	. Tip Size	Length (mm)	Length (inch)	Tip Width/ Shank Diameter	Length (A)	Inner Ctn.	Code
D73S20340	⊖ SL2	40	1 9/16'	' 2	20	10	483041
D73S250340	SL2.5	40	1 9/16'	' 2.5	20	10	483042
D73S30440	SL3	40	1 9/16'	' 3	20	10	483043
D73S40540	SL4	40	1 9/16'	, 4	-	10	483044

Hex Precision Bit



Model No.	Tip Size	Overall Length (mm)	Overall Length (inch)	Diameter (d1)	Length (A)	Inner Ctn.	Code
D73H1522060	● H1.5	60	2 3/8"	2	20	10	483051
D73H232060	H2	60	2 3/8"	3	20	10	483052
D73H2532060	H2.5	60	2 3/8"	3	20	10	483053
D73H360	НЗ	60	2 3/8"	4	-	100	483054

TORX Precision Bit





Model No	. Tip Size	Length (mm)	Length (inch)	Diameter (d1)	Length (A)	Inner Ctn.	Code
D73T1152040	● T1	40	1 9/16"	1.5	20	10	635621
D73T2152040	T2	40	1 9/16"	1.5	20	10	635622
D73T3172040	Т3	40	1 9/16"	1.7	20	10	635623
D73T4182040	T4	40	1 9/16"	1.8	20	10	635624
D73T522040	T5	40	1 9/16"	2	20	10	635625
D73T522060	T5	60	2 3/8"	2	20	10	446108
D73T6252040	T6	40	1 9/16"	2.5	20	10	635626
D73T622040	T6	40	1 9/16"	2	20	10	446109
D73T622060	T6	60	2 3/8"	2	20	10	446110
D73T7252040	T7	40	1 9/16"	2.5	20	10	635627
D73T722060	T7	60	2 3/8"	2	20	10	446113
D73T832040	T8	40	1 9/16"	3	20	10	635628
D73T932040	T9	40	1 9/16"	3	20	10	635629
D73T1032040	T10	40	1 9/16"	3	20	10	635630
D73T10H60	☼ T10H	60	2 3/8"	4	-	10	446119

IMPACT & OUT™

Wrenches

Accessories

Precision Bits

e-ASSIST™ Screwdrivers Precision Bits

WOOD-COMPO™

Bit Holder

Precision Bits

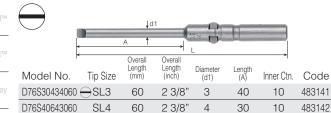
20.5mm Φ **5** mm Drive: 5mm HIOS direct drive

Cross-Point Precision Bit



Model No.	Tip Size	Length (mm)	Length (inch)	Diameter (d1)	Length (A)	Inner Ctn.	Code
D76P0022060	⊕ 00	60	2 3/8"	2	20	10	48310
D76P022560	0	60	2 3/8"	2	25	10	48310
D76P0252560	0	60	2 3/8"	2.5	25	10	48311
D76P02525100	0	100	4"	2.5	25	10	48311
D76P133060	1	60	2 3/8"	3	30	10	48312
D76P133080	1	80	3 1/8"	3	30	10	44626
D76P1330100	1	100	4"	3	30	10	48312
D76P1330120	1	120	4 3/4"	3	30	10	48312
D76P160	1	60	2 3/8"	5	-	10	48312
D76P1100	1	100	4"	5	-	10	48312
D76P1200	1	200	8"	5	-	10	48313
D76P260	2	60	2 3/8"	5	-	10	48313
D76P280	2	80	3 1/8"	5	-	10	44627
D76P2100	2	100	4"	5	-	10	44628
D76P2120	2	120	4 3/4"	5	-	10	44628
D76P2150	2	150	6"	5	-	10	44628
DZGDQQQQ	2	200	0"	5		10	10010

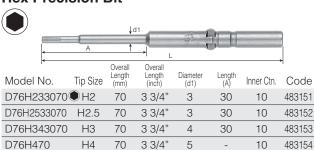
Slotted Precision Bit



60 2 3/8"

Hex Precision Bit

D76S50760 SL5



TORX Precision Bit



Model No.	Tip Size	Length (mm)	Length (inch)	Diameter (d1)	Length (A)	Inner Ctn.	Code
D76T522060	● T5	60	2 3/8"	2	20	10	635651
D76T6252060	T6	60	2 3/8"	2.5	20	10	635652
D76T7252060	T7	60	2 3/8"	2.5	20	10	635653
D76T832060	T8	60	2 3/8"	3	20	10	635654
D76T932060	T9	60	2 3/8"	3	20	10	635655
D76T1032060	T10	60	2 3/8"	3	20	10	635656
D76T1542060	T15	60	2 3/8"	4	20	10	635657
D76T2060	T20	60	2 3/8"	5	-	10	635658
D76T2560	T25	60	2 3/8"	5	-	10	635659

\$ φ4 mm Drive: 4mm HIOS direct drive

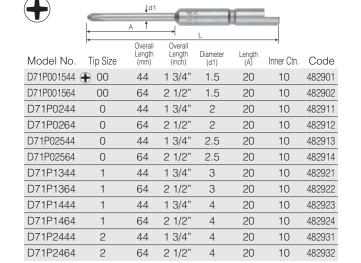
Nutsetter



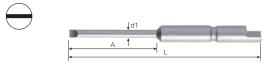
Model No.	Socket Size	Overall Length (mm)	Overall Length (inch)	Socket Nose Diameter φ	Inner Ctn.	Code
D73AF460	O A/F4	60	2 3/8"	8	10	483924
D73AF560	A/F5	60	2 3/8"	8	10	483926
D73AF5560	A/F5.5	60	2 3/8"	8	10	483927

Drive: 4mm half moon direct drive

Cross-Point Precision Bit



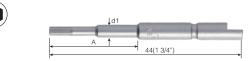
Slotted Precision Bit



Overall

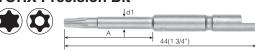
Model No.	Tip Size	Length (mm)	Length (inch)	Diameter (d1)	Length (A)	Inner Ctr	n. Code
D71S20344 (SL2	44	1 3/4"	2	20	10	482941
D71S250344	SL2.5	44	1 3/4"	2.5	20	10	482942
D71S30444	SL3	44	1 3/4"	3	20	10	482943
D71S40544	SL4	44	1 3/4"	4	20	10	482944

Hex Precision Bit



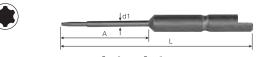
Model No.	Tip Size	Overall Length (mm)	Overall Length (inch)	Diameter (d1)	Length (A)	Inner Ct	n. Code
D71H15244	H1.5	44	1 3/4"	2	20	10	482951
D71H2344	H2	44	1 3/4"	3	20	10	482952
D71H25344	H2.5	44	1 3/4"	3	20	10	482953
D71H3444	НЗ	44	1 3/4"	4	-	10	482954

TORX Precision Bit



Model No	. Tip Size	Overall Length (mm)	Overall Length (inch)	Diameter (d1)	Length (A)	Inner Ct	n. Code
D71T144		44	1 3/4"	1.5	20	10	63560
D71T244	T2	44	1 3/4"	1.5	20	10	63560
D71T344	Т3	44	1 3/4"	1.7	20	10	63560
D71T444	T4	44	1 3/4"	1.8	20	10	63560
D71T544	T5	44	1 3/4"	2.5	20	10	63560
D71T644	T6	44	1 3/4"	2.5	20	10	63560
D71T744	T7	44	1 3/4"	2.5	20	10	63560
D71T844	T8	44	1 3/4"	3	20	10	63560
D71T944	Т9	44	1 3/4"	3	20	10	63560
D71T1044	T10	44	1 3/4"	3	20	10	63561
D71T8H44	☎ T8H	44	1 3/4"	4	-	10	44632
D71T15H44	T15H	44	1 3/4"	4	-	10	44632

TORX Plus Precision Bit



D71 P244 ● 2 P 44 1 3/4" 1.5 20 10 447428 D71 P264 2 P 64 2 1/2" 1.5 20 10 447412 D71 P344 3 P 44 1 3/4" 1.7 20 10 447429 D71 P364 3 P 64 2 1/2" 1.7 20 10 447413	Model No.	Tip Size	Length (mm)	Length (inch)	Diameter (d1)	Length (A)	Inner Ctr	n. Code
D71IP344 3IP 44 1 3/4" 1.7 20 10 447429	D71IP244	2IP	44	1 3/4"	1.5	20	10	447428
	D71IP264	2IP	64	2 1/2"	1.5	20	10	447412
D71IP364 3IP 64 2 1/2" 1.7 20 10 447413	D71IP344	3IP	44	1 3/4"	1.7	20	10	447429
	D71IP364	3IP	64	2 1/2"	1.7	20	10	447413

Nutsetter Precision Bit



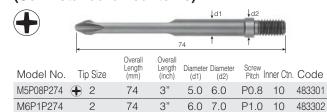
Model No.	Tip Size	Length (mm)	Length (inch)	Diameter (d1)	Inner Ctn. Code
D72AF444 () A/F4	44	1 3/4"	7	10 482961
D72AF4544	A/F4.5	44	1 3/4"	7	10 482962
D72AF544	A/F5	44	1 3/4"	8	10 482963
D72AF5544	A/F5.5	44	1 3/4"	8	10 482964

■ M5/M6 Drive: M5/M6

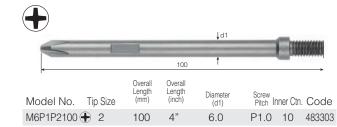
Screw Shank Driver Bit



Bits for screw fastening robots (Semi-standardized items)



Bits for screw fastening robots (Semi-standardized items)



Precision Bits

66



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Impact Ratchet Wrench SP-1765HD SP-1764HD SP-7265RP SP-7730 >>P3 **Ratchet Wrench** SP-7260 SP-7265 SP-7265W SP-7770 SP-7780 SP-7772 SP-7250H >>P4 **Impact Wrench** SP-1140EXL SP-7144 SP-7146EX SP-7825 SP-7150-V8 SP-1193GE-6 SP-1194DX-6 >>P5 **Air Impact Driver** SP-7825HU SP-7146HX



OUR STORY



SP AIR products are used around the world

SP Air USA Inc. was established in 1989 as a subsidiary of SP Air Corporation of Tokyo, Japan. In December of 2011 SP Air USA Inc. opened a new warehouse in Columbus, Ohio.

We are a Japanese manufacturer of high quality pneumatic tools with over 50 years of experience. SP Air's main focus is the automotive aftermarket, and we also provide a number of precision products in the woodworking/craftsman and light industrial markets.

As of July 1st, 2020, VESSEL Co., Inc. (Osaka, Japan) acquired SP Air Corporation (Tokyo, Japan) and VESSEL TOOLS U.S.A., Inc. (Torrance, CA) also merged with SP AIR USA Inc (Columbus, OH).



Exclusively Distributed by **VESSEL TOOLS U.S.A., INC.**

WARRANTY & REPAIR

Authorized Warranty & Repair Center in USA

All Repairs must be sent to: Power Tool Repair ADDRESS: 371 West Ave Tallmadge, OH 44278

PHONE: 330-630-0022 EMAIL: service@ptrohio.com

https://powertoolrepair.com/service-orders/

Authorized Warranty & Repair Center in Canada

REPAIR CENTER	ADDRESS	PHONE	EMAIL	
Advanced Air Tool Repair B.C	1471 Laburnam Street Pemberton, B.C V0N2L1	416-520-6113	airtoolsbc@gmail.com	
Claude Maheux Pneumatique	35 De La Sapiniere Gatineau, Quebec J9A 2W9	819-595-9284	cmp@bellnet.ca	
H.T Pneumatic Rebuilders Inc.	22 Goodmark PL Unit #8 Toronto ON M9W 6R2	416-407-5739	johnhollick@htpneumatic.com	

SP-1405

SP-1470

>>P16

Impact Ratchet Wrench

Three times as fast as a standard air ratchet!

The impact mechanism is built into the air ratchet wrench, so that it can be tightened by the power of impact.

- It is safer because there is little backlash when tightening is completed.
- The rotation speed is more than Three times as fast as that of a normal ratchet, which makes tightening and loosening fast and easy.

• The speed of tightening can be adjusted by the built-in air regulator on the top rear of the tool.







SP-1764HD

1/4" SUPER FAST MINI IMPACT RATCHET 700rpm/ 55ft-lbs.

- Impact Mechanism [Patented].
- Built-in Power Regulator.
- Single Dog Clutch.



SP-1765HD

3/8" SUPER FAST

700rpm/ 55ft-lbs.

MINI IMPACT RATCHET





Scan to watch Demo Video

SP-7260RP

1/4" THE PERFECT IMPACT RATCHET 600rpm/ 45ft-lbs.

SP-7265RP

3/8" THE PERFECT IMPACT RATCHET 600rpm/ 45ft-lbs.

- Sealed Head for Long Life.
- Impact Mechanism [Patented].
- Built-in Power Regulator.
- Single Dog Clutch.













SP-7730

3/8" REACTION FREE HIGH SPEED IMPACT RATCHET 450rpm/ 100ft-lbs.

- Impact Mechanism [Patented].
- Built-in Power Regulator.
- Reverse Lever.
- Single Dog Clutch.



Model No.	Sq.Drive	Bolt Capacity	Max. Torque	Free Speed	Overall Length	Net Weight	Sound Level
SP-1764HD	1/4"	5/16"	55 ft-lbs.	700 rpm	6.9"	1.4 lbs.	84.4 dB
SP-1765HD	3/8"	3/8"	55 ft-lbs.	700 rpm	6.9"	1.4 lbs.	84.4 dB
SP-7260RP	1/4"	5/16"	45 ft-lbs.	600 rpm	7.5"	1.6 lbs.	88.1 dB
SP-7265RP	3/8"	3/8"	45 ft-lbs.	600 rpm	7.5"	1.6 lbs.	88.1 dB
SP-7730	3/8"	3/8"	100 ft-lbs.	450 rpm	11.6"	3.1 lbs.	88.2 dB

Ratchet Wrench

SP-7265

MINI RATCHET

290rpm/ 25ft-lbs.

3/8" WOBBLE ANVIL

SEALED FLAT HEAD

MINI RATCHET

3/8" SEALED FLAT HEAD



High Power

Ratchet Wrench

SP-7260

1/4" SEALED FLAT HEAD MINI RATCHET

290rpm/ 25ft-lbs.

Sealed Head for Long Life. SP-7265W

- Reverse Lever for One-handed operation.
- Air Regulator.
- Swivel Air Inlet with 360° Exhaust Sleeve.



Sealed Flat Ratchet Mechanism

SP-7772

3/8" ROTATIONAL HEAD

RATCHET WRENCH

220rpm/ 25ft-lbs.





SP-7770

1/4" ROTATIONAL HEAD RATCHET WRENCH

220rpm/ 25ft-lbs.

• Reverse Lever. • Built-in Air Regulator.



• To adjust head, slide the ring forward and turn the ratchet housing.







SP-7780

3/8" HEAVY-DUTY SEALED FLAT HEAD RATCHET WRENCH [SHORT VERSION]

200rpm/ 80ft-lbs.

• Sealed Head for Long Life.

- Reverse Lever for One-handed operation.
- Air Regulator.
- 360° Exhaust Sleeve.





290rpm/ 25ft-lbs.

SP-7250H

LOW PROFILE 1/4" HEX. BIT DRIVER

- Sealed Head for Long Life.
- Reverse Lever for One-handed operation.
- Air Regulator.
- Swivel Air Inlet with 360° Exhaust Sleeve.



Broken Bit Knock Out Access





- Low profile for use in tight areas.
- Use with any 1/4" drive bit.
- Ratchet style for ease of use.

Model No.	Sq.Drive	Bolt Capacity	Max. Torque	Free Speed	Overall Length	Net Weight	Sound Level
SP-7260	1/4"	5/16"	25 ft-lbs.	290 rpm	8"	1.5 lbs.	87 dB
SP-7265	3/8"	3/8"	25 ft-lbs.	290 rpm	8"	1.5 lbs.	87 dB
SP-7265W	3/8"	3/8"	25 ft-lbs.	290 rpm	8"	1.5 lbs.	87 dB
SP-7770	1/4"	5/16"	25 ft-lbs.	220 rpm	7.9"	1.3 lbs.	82 dB
SP-7772	3/8"	3/8"	25 ft-lbs.	220 rpm	7.9"	1.3 lbs.	82 dB
SP-7780	3/8"	3/8"	80 ft-lbs.	200 rpm	9.75"	3.5 lbs.	82.6 dB
SP-7780	3/8"	3/8"	80 ft-lbs.	200 rpm	9.75"	3.5 lbs.	82.6 dB

CD 705011 1/4" 05 ft lba 000 rpm 0" 1.5 lba 00 dD	Model No.	Hex. Drive	Max. Torque	Free Speed	Overall Length	Net Weight	Sound Level
5F-7250H 1/4 25 IFIDS. 290 IPITI 6 1.5 IDS. 62 UB	SP-7250H	1/4"	25 ft-lbs.	290 rpm	8"	1.5 lbs.	82 dB

Impact Wrench

SP-1140EX

1/2" HEAVY DUTY IMPACT WRENCH

SP-1140EXL

1/2" HEAVY DUTY IMPACT WRENCH w/ 2" EXTEND ANVIL

• Built-in Power Regulator.

• Twin Dog Clutch.

Impact Wrench



• Twin dog clutch provides more power and smooth balanced blows.

• Produced 800ft-lbs. of bolt removing torque.

• Visual forward regulator with 4 torque settings and one full power reverse setting.

SP-7144

1/2" COMPOSITE IMPACT WRENCH



Twin Dog Clutch



SAS (Side And Side) System Forward / Reverse for one hand operation.



Air Regulator

4 torque setting and full power reverse.

 Composite body greatly reduces weight to allow longer, fatigue free, operation when compared to heavier models with comparable torque and speed specifications.

	-1							
	Model No.	Sq. Drive	Bolt Capacity	Max. Torque	Free Speed	Overall Length	Net Weight	Sound Level
nmer -	SP-1140EX	1/2"	5/8"	800 ft-lbs.	6,000 rpm	7.5"	5.7 lbs.	88.8 dB
IIIIGI	SP-1140EXL	1/2"	5/8"	800 ft-lbs.	6,000 rpm	9.5"	6.6 lbs.	88.8 dB
	SP-7144	1/2"	5/8"	(F) 750 ft-lbs.	(F) 5,700 rpm	6.1"	4.0 lbs.	93.1 dB
— [SF-7 144	1/2	5/6	(R) 800 ft-lbs.	(R) 6,500 rpm	0.1	4.0 108.	93.1 00
	SP-7146EX	1/2"	5/8"	440 ft-lbs.	10,000 rpm	5.2"	2.1 lbs.	93.1 dB
caler	SP-7146EXS	3/8"	1/2"	380 ft-lbs.	10,000 rpm	5.2"	2.1 lbs.	93.1 dB
	SP-7825	3/8"	3/8"	94 ft-lbs.	17,000 rpm	4.3"	1.5 lbs.	84.2 dB
	SP-7825S	1/4"	3/8"	94 ft-lbs.	17,000 rpm	4.3"	1.5 lbs.	84.2 dB
5	SP-1850	3/8"	3/8"	72 ft-lbs.	10,000 rpm	5.4"	1.0 lbs.	87.4 dB
5	SP-1850S	1/4"	3/8"	72 ft-lbs.	10,000 rpm	5.4"	1.0 lbs.	87.4 dB

SP-7146EX

1/2" COMPOSITE MINI IMPACT WRENCH



Twin Dog Clutch



SP-7146EXS

3/8" COMPOSITE

MINI IMPACT WRENCH

Air Regulator 4 torque setting. **Ultralight**

Double

SP-7825

3/8" COMPOSITE MINI IMPACT WRENCH

1/4" COMPOSITE MINI IMPACT WRENCH

SP-7825S



SAS (Side And Side) System Forward / Reverse for one hand operation.



Air Regulator 4 torque setting. **Ultralight**



SP-1850S

3/8" PALM IMPACT WRENCH

Double Hammer Clutch



Air Regulator 4 torque setting. Palm Size

1/4" PALM IMPACT WRENCH

SP-7150-V8

3/4" COMPOSITE IMPACT WRENCH



Clutch



Forward / Reverse for one hand operation.



Air Regulator 4 torque setting.

- Eight vane motor delivers hard-hitting torque of more than 1,000 ft-lbs.
- Housed in a composite housing weighing less than 8 lbs.

SP-1193GE-6

1" IMPACT WRENCH



Pinless Hammer Clutch



Air Regulator Forward, Reverse torque setting.

SP-1158

3/4" IMPACT WRENCH



Single Dog Clutch



Air Regulator Forward, Reverse buton with 5 torque setting.

SP-1194DX-6

1" IMPACT WRENCH



Twin Dog Clutch



Twin dog clutch assembly operates within an oil bath to provide long life and reduced noise.

Air Regulator 4 torque setting.

Model No.	Sq. Drive	Bolt Capacity	Max. Torque	Free Speed	Overall Length	Net Weight	Sound Level
SP-7150-V8	3/4"	1"	1,100 ft-lbs.	4,300 rpm	9.3"	7.9 lbs.	94.9 dB
SP-1158	3/4"	1"	1,200 ft-lbs.	5,500 rpm	8.7"	12.0 lbs.	93.5 dB
SP-1193GE-6	1"	1-1/2"	2,300 ft-lbs.	4,000 rpm	22.0"	28.7 lbs.	98.0 dB
SP-1194DX-6	1"	1-1/2"	1,800 ft-lbs.	4,800 rpm	20.6"	17.2 lbs.	96.7 dB

Air Impact Driver

SP-7825HU

1/4" HEX. COMPOSITE IMPACT DRIVER

Double

Hammer

SAS (Side And Side) System

Forward / Reverse for one hand operation.

Air Regulator

4 torque setting.

Clutch

1/4" Hexagonal



Air Impact Driver



SP-7146HX

1/4" HEX. COMPOSITE IMPACT DRIVER

Ultralight

Ultralight

SP-8102BU

1/4" Hexagonal

1/4" HEX. IMPACT DRIVER

Double

Clutch

Hammer

Reverse Lever

Air Regulator 4 torque setting.

1/4" Hexagonal











4 torque setting.

Air Regulator

Double

Clutch

Hammer

Hex. Drive Max. Torque Free Speed Sound Level Model No. Overall Length Net Weight SP-7825HU 1/4" 94 ft-lbs. 17,000 rpm 4.7" 1.5 lbs. 85.5 dB SP-7146HX 100 ft-lbs. 8,500 rpm 2.1 lbs. 92.0 dB SP-8102BU 100 ft-lbs. 11,500 rpm 2.6 lbs. 90.0 dB

Air Drill



SP-7527

1/2" COMPOSITE AIR DRILL



- 1/2"(13mm) Drill Chuck.
- Light Weight Composite Body.





SAS (Side And Side) System

Forward / Reverse for one hand operation.



Air Exhaust with Muffler

SP-7527KL

1/2" COMPOSITE AIR DRILL [KEYLESS CHUCK]

• 1/2"(13mm) Keyless Drill Chuck.

• Light Weight Composite Body.





SAS (Side And Side) System Forward / Reverse for one hand operation.



Air Exhaust with Muffler

SP-1523D

3/8" STRAIGHT DRILL / TIRE BUFFER

- Precision drill chuck.
- Lever type.
- Right rotation only.



Air Drill

Model No.	Chuck Size	Free Speed	Overall Length	Net Weight	Sound Level	
SP-7527	1/2"	400 rpm	7"	2.9 lbs.	86.8 dB	N
SP-7527KL	1/2"	400 rpm	7.1"	2.9 lbs.	86.8 dB	
SP-1523D	3/8"	3,800 rpm	7.5"	1.59 lbs.	83.0 dB	

Cut-off Tool

SP-7230

CUT-OFF TOOL (DISC SIZE : 3")

- Ergonomic design cushion-grip handle.
- Rear exhaust. Safety throttle lever.
- Built-in power regulator.
- Direct drive motor. Graduated trigger.
- Metal guard. Cuts muffler clamps and hangers, sheet metal, radiator hose clamps, bumper bolts, and even steel rods up to 3/4".

SP-7231

FLEX HEAD CUT-OFF TOOL (DISC SIZE: 3")



- Built-in Power Regulator.
- Rear Exhaust.
- Safety Throttle Lever.

3-POSITION **FLEX HEAD**



SP-7231R

REVERSIBLE FLEX HEAD CUT-OFF TOOL (DISC SIZE: 3")



- Built-in Power Regulator.
- Rear Exhaust.
- Safety Throttle Lever.
- Reverse Lever.

3-POSITION **FLEX HEAD**



7231AWC

ADJUSTABLE WHEEL COVER









Fits SP AIR model # SP-7231, SP-7231R. Fits also MAC AT35A (Mac Brand) Adjustable cut depth (Minimum 1/8")

	Model No.	Disc Size	Free Speed	Overall Length	Net Weight	Sound Level
	SP-7230	3"	20,000 rpm	6-3/4"	1.5 lbs.	90.0 dB
Air Hammer	SP-7231	3"	18,000 rpm	8.6"	2.6 lbs.	90.0 dB
	SP-7231R	3"	12,000 rpm	8.8"	2.8 lbs.	90.0 dB

SP-7234

4" EXTENDED REACH CUT-OFF TOOL

- · Long Shaft.
- · Wheel Cover.
- · Safety Lever.

• Built-in Power Regulator.



SP-7234-100 x1

SP-1257

Reciprocating Saw/ Disc Grinder SPAIR

5" ANGLE DISC GRINDER [LEVER TYPE]



• Built-in governor mechanism.

- · Safety lever.
- Handle grip mounts on either side for right or left hand operation.
- Hardened and ground spiral bevel gears for lower vibration.

SP-7610

RECIPROCATING SAW [GEAR TYPE]

- Adjustable Blade Guide.
- Safety Lever.
- Air Regulator.
- Cutting Capacity 5/32".



SP-7620

SHORT RECIPROCATING SAW [GEAR TYPE]

- Blade Guide.
- Safety Lever. Compact Body
- Air Regulator.
- Cutting Capacity 5/64"



Accessories

Net Weight

Scan to watch **Demo Video**

Model No.

Tool Cutaway

Disc Size



Free Speed

Option

7610-200 Edge Blade

Durable 24 TPI blades. (Set of 10pcs.)

Overall Length

Hex. Wrench x1

Edge Blade x2

Sound Level

88.8 dB SP-7234 14,000 rpm 3.3 lbs. 13.8" SP-1257 12,000 rpm 3.7 lbs. 86.0 dB Strokes/min. Stroke Overall Length Net Weight Sound Level

Model No. SP-7610 5,300 0.47" 8.15" 1.3 lbs. 86.5 dB SP-7620 7,500 0.24" 1.0 lbs. 86.5 dB

Die Grinder

SP-7220

1/4" HEAVY-DUTY STRAIGHT DIE GRINDER

• Ergonomic design cushion-grip handle.

Rear exhaust.

- Built-in power regulator.
- Safety throttle lever.
- Direct drive motor with graduated trigger.

SP-7211

1/4" HEAVY-DUTY 90 degree ANGLE HEAD DIE GRINDER



- Ergonomic design cushion-grip handle. Rear exhaust.
- Built-in power regulator.
- Safety throttle lever.

SP-7212

1/4" HEAVY-DUTY 120 degree ANGLE HEAD DIE GRINDER

Die Grinder



- 120 degree Angle head.
- Ergonomic design cushion-grip handle.
- Rear exhaust.
- Built-in power regulator.
- Safety throttle lever.

SP-1900

1/8" MICRO GRINDER



• Rear exhaust.

• Flexible 59" long hose.

	Model No.	Disc Size	Free Speed	Overall Length	Net Weight	Sound Level
Air Hammer	SP-7220	1/4"	20,000 rpm	6-7/8"	1.37 lbs.	90.1 dB
All Hallillel	SP-7211	1/4"	18,000 rpm	6-7/8"	1.75 lbs.	87.8 dB
	SP-7212	1/4"	18,000 rpm	6-5/8"	1.69 lbs.	86.8 dB
	SP-1900	1/8"	70.000 rpm	6" (w/o hose)	0.9 lbs. (w/o hose)	78.3 dB

SP-7200

1/4" STRAIGHT DIE GRINDER



- Ergonomic design cushion-grip handle.
- Swivel Air Inlet with 360° Exhaust Sleeve.
- Built-in power regulator.
- Safety throttle lever.
- Direct drive motor with graduated trigger.

SP-7201

1/4"ANGLE HEAD DIE GRINDER



- Anti-vibration ultra-soft grip.
- · Easy adjustment of the regulator.
- · Swivel inlet and exhaust.

SP-7202

Model No.

SP-7200

SP-7201

SP-7202

1/4" ANGLE HEAD DIE GRINDER



Disc Size

1/4"

1/4"

1/4"

- Urethane covered cushion grip. • Built-in power regulator.
- 360 degrees rotating rear exhaust.

Free Speed

23,000 rpm

20,000 rpm

20,000 rpm

SP-4BS

CARBIDE BURR 4pc SET FOR FERROUS MATERIALS

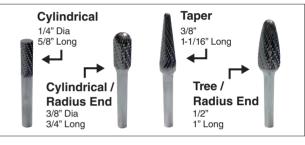
• For use with 1/4" High Speed Die Grinders.

• For use in metalworking, mold and pattern making, die sinking, surface cleaning and maintenance.

• Removes Burrs from Sheet metal or cast iron.

• Cleans up welding areas.

CARBIDE BURRS



SP-4NF

Overall Length

6"

6-3/8"

7.6"

CARBIDE BURR 4pc SET FOR ALUMINUM / NON-FERROUS MATERIALS

 Allowing rapid stock removal on nonferrous and plastics materials.

· Avoiding clogging. • Ensures smooth cutting operation.

· Giving a guaranteed smoother grinding operation.



Sound Level

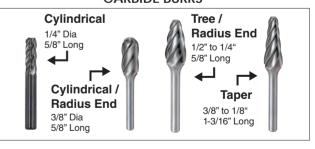
82.0 dB

82.4 dB

83.0 dB

Die Grinder

CARBIDE BURRS



Net Weight

0.88 lbs

1.25 lbs

1.23 lbs

11

Beveler

SP-7252F SP-7252FR AIR MINI BEVELER AIR MINI BEVELER [STRAIGHT] [RADIUS]

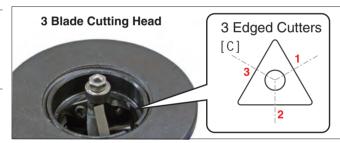
Palm Size

- Safety Throttle Lever.
- Front Exhaust for cooling metal.

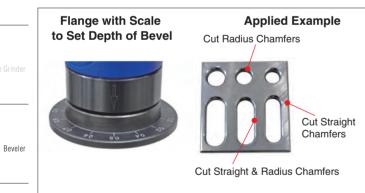


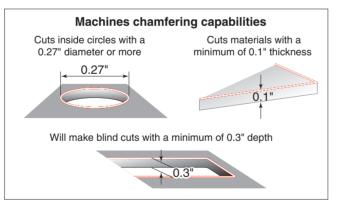
Scan to watch **Demo Video**

- Use the Palm Beveler to: Clean up the welds, Beveling steel or aluminum edges for Custom work, Automotive, Motorcycles, Marine and Aircraft uses.
- 45° Straight and Radius Blade available.









Model No.	Min. Diameter	Chamfering Capacity	Free Speed	Overall Length	Net Weight	Sound Level
SP-7252F	0.27"	C45° 0.06"	23,000 rpm	4.4"	0.9 lbs.	81.5 dB
 SP-7252FR	0.27"	R0.06"	23,000 rpm	4.4"	0.9 lbs.	81.5 dB

Sander/ Polisher



SP-1350



SP-7201DA

2" MINI D/A SANDER

Swivel Air Inlet with 360° Exhaust Sleeve.



Compact and Lightweight

2" SANDING DISC



SPP-7201DA-80 (25PK,50PK,100PK) SPP-7201DA-180(25PK,50PK,100PK) SPP-7201DA-320(25PK,50PK,100PK)

SP-7500AHM

3" MINI POLISHER

• Swivel Air Inlet with 360° Exhaust Sleeve.

SPP-3TWP

Disc Size

3"& 5"

2"

• Spindle Size: 5/16-24UNF.

3" 100% Twist Wool Pad

<Image>

Model No.

SP-7201DA

SP-7500AHM

SP-1350



- - More Powerful.
 - Wide Range of Uses.
 - Polish Small Areas.

Free Speed

15,000 rpm

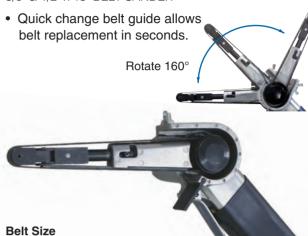
12,000 rpm

2.500 rpm

 Polish Complex Shapes.

SP-1370A

3/8" & 1/2" x 13" BELT SANDER



REPLACEMENT BELT

SPP-370-80 (5pcs, 10pcs)

Replacement Belt

SP-1380

3/4" x 20-1/2" BELT SANDER



Net Weight

2.1 lbs.

1.3 lbs.

SPP-380-60 (5pcs, 10pcs)

Sander/ Polisher

Sound Level

77.8 dB

87.9 dB

85.8 dB

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Model No.	Belt Size	Free Speed	Overall Length	Net Weight	Sound Level
SP-1370A	3/8 & 1/2" x 13"	16,000 rpm	11"	1.7 lbs.	82.0 dB
SP-1380	3/4" x 20-1/2"	17,000 rpm	14.4"	3.1 lbs.	85.5 dB

Overall Length

5"

6.3"

Air Hammer

SP-1400

LONG BARREL AIR HAMMER

• For industrial and auto repair

body panel crimping, shearing,

rust/paint removal, chipping and

• Ideal for general cutting,

• Graduated trigger control.

SP-1405

SHORT BARREL AIR HAMMER

• For industrial and auto repair

body panel crimping, shearing,

rust/paint removal, chipping and

• Comfortable non-slip ergonomic grip.

• Quick change coil spring retainer allows for fast and easy chisel changes.

• Ideal for general cutting,

Graduated trigger control.

• Built-in air regulator.

• Handle exhaust.

applications.

scraping.

Air Hammer

Model No.	Shank Size	Free Speed	Overall Length	Net Weight	Sound Level 96 dB	
SP-1400	0.4"	2,100 rpm	8.5"	3.6 lbs.		
SP-1405	0.4"	3,000 rpm	6.5"	2.6 lbs.	100 dB	
SP-1410/ SP-1410K	0.4"	3,000 rpm	8.5"	3.6 lbs.	96 dB	

SP-1410 AIR HAMMER



• Built-in air regulator. Quick change coil spring retainer allows for fast and easy chisel changes.

• Comfortable non-slip ergonomic grip.

Handle exhaust.

applications.

scraping.

SP-1410K

AIR HAMMER KIT



Needle Scaler



SP-1460

NEEDLE SCALER [SMALL]



SP-1470



Model No.	Bore	Stroke	Needle	Blows/min.	Overall Length	Net Weight	Vibration Level A	
SP-1460	3/4"	1/2"	1/8" x 12 pcs	5,000	9"	2.8 lbs.	27.87 m/s ²	
SP-1470	1"	7/8"	1/8" x 19 pcs	4,000	16"	5.7 lbs.	31.68 m/s ²	

Needle Scaler