

# VESSEL

PROFESSIONAL TOOLS

## HAND TOOLS & FASTENING BITS



# vesseltools.com



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Authorized North American Distributor of VESSEL

# BALL GRIP SERIES



WORLD-WIDE BEST SELLER

**PALM-GRIP**

**POWER FASTENING**

HIGH-TORQUE OUTPUT

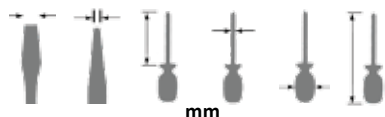
The unique ball shaped handle combines maximum power transmission with smooth speed and excellent leverage.



## 220 Ball Grip Screwdriver



- Transmits ample tightening force to screw
- Cushion grip color-coded by + / -
- Fully hardened chrome vanadium steel
- High precision black point tip



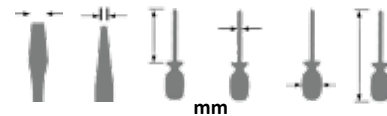
Part No.	EDP No.	mm	mm	mm	mm	mm	mm
220 5.5*75	125351	5.5	0.8	75	5.5	32	156.5
220 5.5*100	125361	5.5	0.8	100	5.5	32	181.5
220 5.5*150	125362	5.5	0.8	150	5.5	32	231.5
220 6*100	125352	6.0	0.9	100	6.4	41	200
220 6*150	125353	6.0	0.9	150	6.4	41	250
220 6*200	125354	6.0	0.9	200	6.4	41	300
220 P1*75	125355	+ No.1		75	5.5	32	156.5
220 P1*100	125371	+ No.1		100	5.5	32	181.5
220 P1*150	125372	+ No.1		150	5.5	32	231.5
220 P2*100	125356	+ No.2		100	6.4	41	200
220 P2*150	125357	+ No.2		150	6.4	41	250
220 P2*200	125358	+ No.2		200	6.4	41	300
220 P3*150	125374	+ No.3		150	6.4	41	250

## 230 Ball Grip Tang-Thru Screwdriver



Steel End Cap

- Tang-Thru shank with steel end cap
- Solid body offers extra fastening power
- Cushion grip color-coded by + / -
- Fully hardened chrome vanadium steel
- High precision black point tip

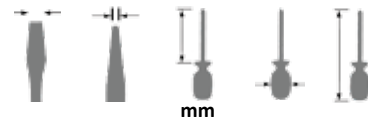


Part No.	EDP No.	mm	mm	mm	mm	mm	mm
230 5.5*75	125311	5.5	0.8	75	5.5	32	156.5
230 6*100	125314	6.0	0.9	100	6.4	41	200
230 6*150	125315	6.0	0.9	150	6.4	41	250
230 P1*75	125321	+ No.1		75	5.5	32	156.5
230 P2*100	125324	+ No.2		100	6.4	41	200
230 P2*150	125325	+ No.2		150	6.4	41	250

## 225 Ball Grip Coated Shank Screwdriver



- Shank is covered with resin to prevent electrical circuiting (See ⚡ below)
- Solid body offers extra fastening power
- Cushion grip color-coded by + / -
- Fully hardened chrome vanadium steel
- Transmits ample tightening force



Part No.	EDP No.	mm	mm	mm	mm	mm	mm
225 6*100	125382	6.0	0.9	100	41	200	
225 6*150	125383	6.0	0.9	150	41	250	
225 P2*100	125389	+ No.2		100	41	200	
225 P2*150	125390	+ No.2		150	41	250	

⚡ Electric insulation is not guaranteed. For safety purposes, shut off power before use. The covered shank protects against unexpected shorts. Should it become scratched, damaged, or deteriorated, do not use the screwdriver.

## KNOW Better

Steel End Cap

### TANG THRU HANDLES

Also known as demolition and go-through handles, Tang-Thru screwdrivers feature a steel end cap that passes through the handle to connect with the steel shank. This prevents damage to the screwdriver handle when striking with a hammer.

Available on:

- 230 & 250 Series Ball Grip (pg 2&3)
- 330 Series Non-Slip (pg 4)
- 730 Series Gel Grip (pg 8)
- 930 & 980 Series Megadora (pg 6&7)

Steel Shank



## 2200 Ball Grip Ratcheting Screwdriver



- Slim shank cover works as a countermeasure for short-circuit accidents
- Shank cover makes this screwdriver perfect for terminal blocks and electrical work
- 36 tooth gear mechanism provides smooth, high-speed tightening with one hand

Removable handle doubles as a stubby screwdriver when used with a 1/4" (6.35mm) insert bit (sold separately). See pg 14 for bit selection.

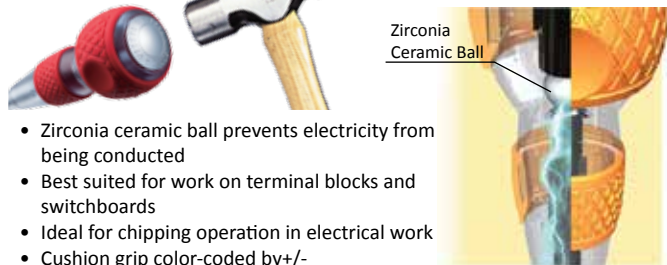
Part No.	EDP No.							Extra Shank Part No.
mm								
2200 6*100	125395	-6.0	100	6.0	41	200	125397	
2200 6*150	125396	-6.0	150	6.0	41	250	125398	
2200 P2*100	105011	+ No. 2	100	6.0	41	200	105110	
2200 P2*150	105028	+ No. 2	150	6.0	41	250	105127	
2200 P3*150	105035	+ No. 3	150	6.0	41	250	105134	

⚠ Electric insulation is not guaranteed. For safety purposes, shut off power before use. The covered shank protects against unexpected shorts. Should it become scratched, damaged, or deteriorated, do not use the screwdriver.

## 250 Non-Conductive Tang-Thru Screwdriver



Steel End Cap



- Zirconia ceramic ball prevents electricity from being conducted
- Best suited for work on terminal blocks and switchboards
- Ideal for chipping operation in electrical work
- Cushion grip color-coded by +/-
- High precision black point tips

Part No.	EDP No.							
mm								
250 6*100	112105	6.0	0.9	100	6.4	41	200	
250 6*150	112106	6.0	0.9	150	6.4	41	250	
250 P2*100	112107	+ No. 2	100	6.4	41	200		
250 P2*150	112108	+ No. 2	150	6.4	41	250		

⚠ WARNING  
• This screwdriver is not insulated. For safety purposes, shut off power before use.



## 210 Ball Grip Screwdriver with Tether



SC-90 Tether stretches from 19" to 60"  
Included with 210ST models



Part No.	EDP No.							
mm								
210ST 6*125	105745	6.0	0.9	125	6.4	41	225	
210 6*125	105721	6.0	0.9	125	6.4	41	225	
210ST P2*125	105738	+ No. 2	125	6.4	41	225		
210 P2*125	105714	+ No. 2	125	6.4	41	225		

NOTE: Only "ST" models can be used with tether (included)

## KNOW Better ERGONOMICS



# NO MORE Busted Knuckles!

**ADVANCED NON-SLIP TECHNOLOGY**  
STOPS OIL-FLUX

**MAX TORQUE OUTPUT**  
IN WET OR OILY CONDITIONS



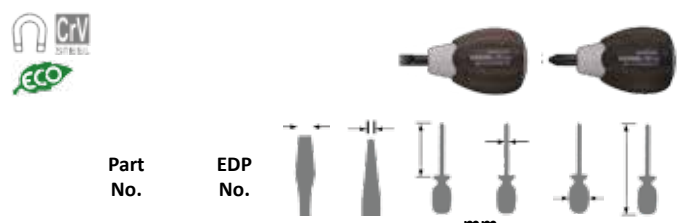
## 300 Non-Slip Screwdriver



- Non-slip secure grip
- Chrome vanadium steel shank with a black chrome plate finish
- Precision machined tips

Part No.	EDP No.	mm	mm	mm	mm	mm	mm
300 5.5*75	120021	5.5	0.8	75	5.5	29	182
300 6*100	120022	6.0	0.9	100	6.4	32	215
300 6*150	120027	6.0	0.9	150	6.4	32	265
300 8*150	120023	8.0	1.1	150	8.0	34	275
300 P1*75	120024	+ No. 1		75	5.5	29	182
300 P2*100	120025	+ No. 2		100	6.4	32	215
300 P2*150	120029	+ No. 2		150	6.4	32	265
300 P3*150	120026	+ No. 3		150	8.0	34	275

## 320 Non-Slip Stubby Screwdriver



Part No.	EDP No.	mm	mm	mm	mm	mm
300 6*15	120035	6.0	0.9	15	6.0	68
300 P2*15	120037	+ No. 2		15	6.0	68

## 330 Non-Slip Tang-Through Screwdriver



- Non-slip secure grip
- Tang-Through shank with steel end cap
- Chrome vanadium steel shank with Black chrome plate finish
- Precision machined tips

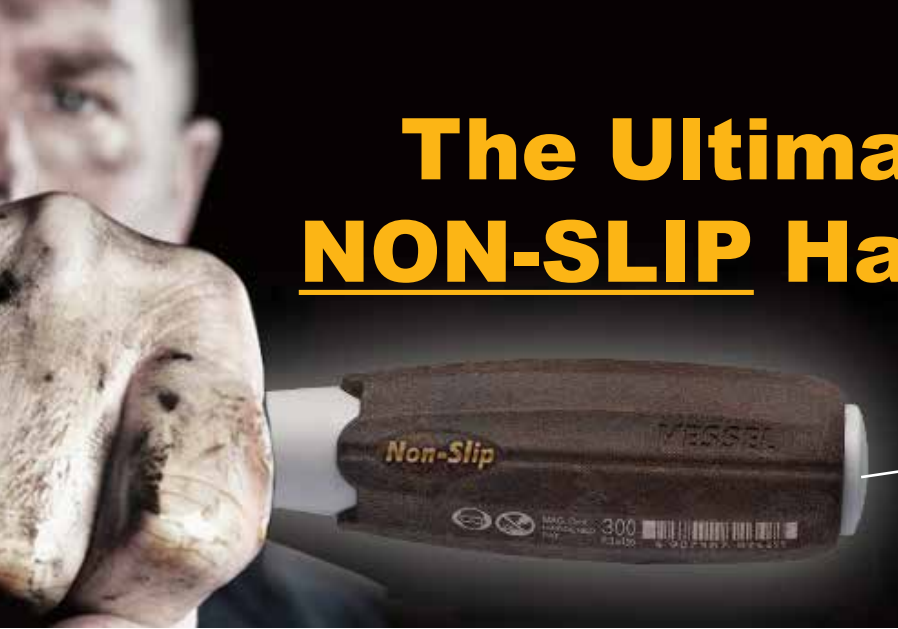
Part No.	EDP No.	mm	mm	mm	mm	mm	mm
330 5.5*75		5.5	0.8	75	5.5	30	183
330 6*100		6.0	0.9	100	6.4	32	217
330 6*150		6.0	0.9	150	6.4	32	267
330 8*150		8.0	1.0	150	8.0	35	277
330 P1*75		+ No. 1		75	5.5	30	183
330 P2*100		+ No. 2		100	6.4	32	217
330 P2*150		+ No. 2		150	6.4	32	267
330 P3*150		+ No. 3		150	8.0	35	277

## KNOW Better NON-SLIP GRIP!

The grip is formed by a mold injection of a "wood resin" blend. This material contains a combination of 70% wood and 30% plastic, utilizing uniquely developed technologies, providing users the texture and comfort of traditional natural wood materials.



# The Ultimate NON-SLIP Handle



200x Magnification of Handle Surface  
Stops Oil Flux



Knurled for Speed Fastening



6 Point Hexagon Sockets Provide Surface Contact to Avoid Damage on Nuts and Bolts



Push Lock & Release to Easily Attach and Release Sockets with the Push of a Button



REVERSIBLE

Wedge Shaped Gears Firmly Engage the Gears for High Durability and Less Gear Skipping



Robust Case Features Elastomer Corners to Absorb Impact if Case is Ever Drpped

## HRW2000 Non-Slip Ratchets & Socket Sets

### HRH2-W 1/4" (6.35mm) Non-Slip Ratchet



1/4" (6.35mm)

### HRH3-W 3/8" (9.5mm) Non-Slip Ratchet



3/8" (9.5mm)



1/4" (6.35mm)



3/8" (9.5mm)



3/8" (9.5mm)

### HRW2001M-W

36pc 1/4" Non-Slip Ratchet Driver Set

- 1/4" (6.35mm) Sq. Non-Slip Ratchet
- 1/4" (6.35mm) Sq. Non-Slip Stubby Handle
- 1/4" (6.35mm) Sq. Extension (4"/100mm OAL)
- 1/4" (6.35mm) Sq. Swivel extension
- 1/4" (6.35mm) Sq. to 1/4" (6.35mm) Hex Bit Socket Adapter
- 1/4" Hex Sockets:  
4/4.5/5/5.5/6/7/8/9/10/11/12/13/14mm
- 1/4" Bits:  
-4/-6/+1/+2/+3/H1.5/H2/H2.5/H3/H4/H5/T10/T20/T25/T27/T30/T40

### HRW2303M-W

36pc 3/8" (9.5mm) Non-Slip Ratchet Driver Set

- 3/8" (9.5mm) Sq. Non-Slip Ratchet
- 1/4" (6.35mm) Sq. Non-Slip Driver Handle
- 3/8" (9.5mm) Sq. Extension (6"/150mm OAL)
- 3/8" (9.5mm) Sq. Swivel extension
- 1/4" (9.5mm) Sq. to 1/4" (6.35mm) Hex Bit Adapter
- 1/4" (6.35mm) Hex Sockets:  
4/4.5/5/5.5/6/7mm
- 3/8" (9.5mm) Hex Sockets:  
10/11/12/13/14/17/19/21/22mm
- 1/4" Bits:  
-4/-6/+1/+2/+3/H3/H4/H5/H6/T10/T15/T20/T25/T30/T40

### HRW3002M-W

16pc 3/8" (9.5mm) Non-Slip Ratchet Driver Set

- 3/8" (9.5mm) Sq. Non-Slip Ratchet
- 3/8" (9.5mm) Sliding T-Handle (6"/150mm OAL)
- 3/8" (9.5mm) Sq. Extension (3"/75mm OAL)
- 3/8" (9.5mm) Sq. Swivel Extension
- 3/8" (9.5mm) Hex Sockets:  
7/8/10/11/12/13/14/17/19/21/22mm

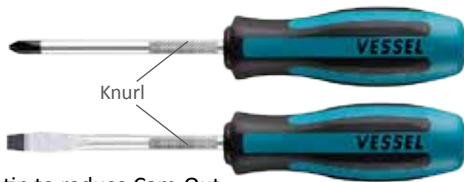


# KNOW BETTER FIT



**Triple Molded Handle**  
Ultra smooth flat-surface grip  
for maximum comfort and power  
fastening

## 900 MEGADORA Screwdriver



- **JAWSFIT** tip to reduce Cam-Out
- Knurled shank for quick turning
- Fully hardened chrome vanadium steel
- High precision black point tips

Part No.	EDP #	mm					
900 5.5*75	125701	5.5	0.8	75	5.5	34	185
900 6*100	125702	6.0	0.9	100	6.4	34	210
900 6*150	125703	6.0	0.9	150	6.4	34	260
900 6x400	125709	6.0	0.9	400	6.4	34	510
900 8*150	125704	8.0	1.1	150	8.0	36	275
900 P1*75	▲ 125806	+ No. 1		75	5.5	30	175
900JF P1*75	125705	+ No. 1		75	6.4	30	175
900 P2*100	▲ 125807	+ No. 2		100	6.4	34	210
900JF P2*100	125706	+ No. 2		100	6.4	34	210
900 P2*150	▲ 125808	+ No. 2		150	6.4	34	260
900JF P2*150	125707	+ No. 2		150	6.4	34	260
900JF P2*400	125710	+ No. 2		400	6.4	34	510
900 P3*150	▲ 125809	+ No. 3		150	8.0	36	275
900JF P3*150	125708	+ No. 3		150	8.0	36	275

▲ = This screwdriver does not feature JAWSFIT tips, and is recommended for restoration work

## 920 MEGADORA Stubby Screwdriver



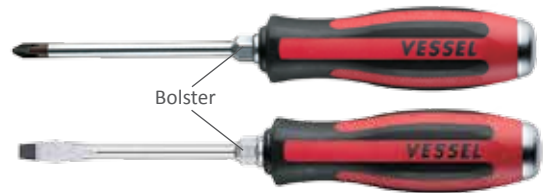
920 6*25	125752	6.4	0.9	25	6.4	36	75
920 P1*25	125753	+ No. 1		25	6.4	36	75
920 P2*25	125754	+ No. 2		25	6.4	36	75

## 910 MEGADORA Thin Shank Screwdriver



Part No.	EDP #	mm					
910 3x75	125746	3.0	0.4	75	3.0	21	153
910 3x100	125747	3.0	0.4	100	3.0	21	178
910 4x75	125748	4.0	0.5	75	4.0	21	153
910 4x100	125749	4.0	0.5	100	4.0	21	178
910 4x200	125750	4.0	0.5	150	4.0	21	228
910 4x200	125751	4.0	0.5	200	4.0	21	278
910 P00x75	125741	+ No. 00		75	3.0	21	153
910 P0x75	125742	+ No. 0		75	3.0	21	153
910 P0x100	125743	+ No. 0		100	3.0	21	178
910 P1x75	125744	+ No. 1		75	4.0	21	153
910 P1x100	125745	+ No. 1		100	4.0	21	178

## 930 MEGADORA Tang-Thru Screwdriver



- **JAWSFIT** tip to reduce Cam-Out
- Tang-Thru shank with large end cap
- Fully hardened chrome vanadium steel
- Bolster for wrench
- High precision black point tips

Part No.	EDP #	mm					
930 5.5x75	125711	5.5	0.8	75	5.5	34	188
930 6x100	125712	6.0	0.9	100	6.4	34	213
930 6x150	125713	6.0	0.9	150	6.4	34	263
930 8x150	125714	8.0	1.1	150	8.0	36	278
930JF P1x75	125715	+ No. 1		75	5.5	34	176
930JF P2x100	125716	+ No. 2		100	6.4	34	213
930JF P2x150	125717	+ No. 2		150	6.4	34	263
930JF P3x150	125718	+ No. 3		150	8.0	36	278

## KNOW Better

FEATURING  
**JAWSFIT**

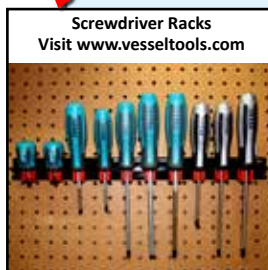
**BITES INTO SCREW**

Only available on 900JF and 930JF Series Cross Point Tips

✓ Prevent Cam-Out

✓ Remove Damaged Screws

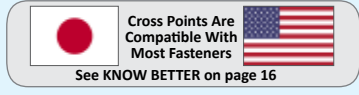
✓ Reduce Pressing Force



NOTE:  
JAWSFIT screwdrivers are not intended to be used when working with soft or plated screws, and may not be suitable for restoration work.



# KNOW BETTER FORCE

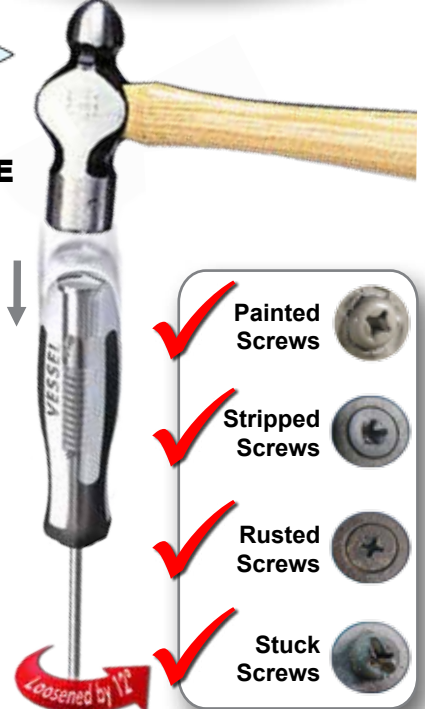


## 980 "IMPACTA" Screw Removal Screwdriver



- Fully hardened chrome vanadium steel
- High precision black point tips

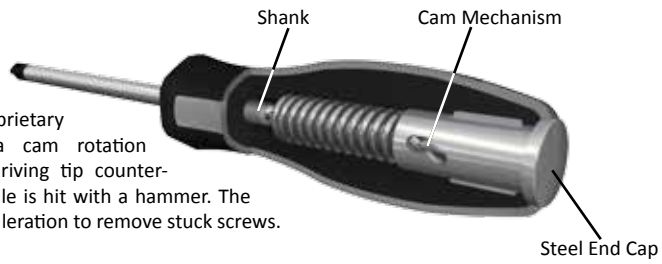
**2 IN 1**  
SCREWDRIVER  
with built in  
IMPACT FEATURE



**NOTE:**  
Do not use this product to remove screws in materials that could be damaged or distorted, such as aluminum and thin sheet metal.

Part No.	EDP No.						
980 P2*100	125941	+ No. 2	100	6.4	34	213	
980 P2*150	125942	+ No. 2	100	6.4	34	263	
980 P3*150	125943	+ No. 3	150	8.0	36	278	

The 980 Series "Impacta" is a revolutionary screwdriver that features a built-in impact driven screw removal function. The proprietary Tang-Thru nut incorporates a cam rotation mechanism, which turns the driving tip counter-clockwise by 12° when the handle is hit with a hammer. The "Impacta" leverages impact acceleration to remove stuck screws.



## 240001 Heavy Duty Impact Driver



- 5/16" (8mm) Drive
- Bits included:  
+2 / +3 / +4 / -10 (x 36mm)  
+2 / +3 (x 80mm)
- One-touch reverse switching
- Rubber grip reduces fatigue from repetitive striking
- Effective for tight fastening and loosening of rusted screws
- Suited for automobile servicing, and assembly / disassembly of machinery and equipment
- For heavy-duty use
- By removing the adapter unit, a 1/2" (12.7mm) socket can be attached

## 250001 Heavy Duty Impact Driver



- 5/16" (8mm) Drive
- Bits included:  
+2 / +3 / -8 / -10 (x 36mm)
- Effective for tight fastening and loosening of rusted screws
- Suited for automobile servicing, and assembly / disassembly of machinery and equipment
- For heavy-duty use
- By removing the adapter unit, a 1/2" (12.7mm) socket can be attached

## C51/KIT Impact Bit Set



For use with 240001 Impact Driver  
5/16" (8mm) Drive  
Includes: +2 / +3 / +4 / -10 (x 36mm) +2 / +3 (x 80mm)

## 431801 Impact Bit Set



For use with 250001 Impact Driver  
5/16" (8mm) Drive  
Includes: +2 / +3 / +4 / -10 (x 36mm)

## KNOW Better



**Loosen by impact acceleration**  
Impact Screwdrivers are the perfect solution for fastening and unfastening stubborn screws. To ensure the tightest fit you only have to strike the Impact Driver to multiply the amount of tightening torque for most screw sizes. Impact Screwdrivers are also great for loosening fasteners with stripped screw heads and stubborn rusted screws.

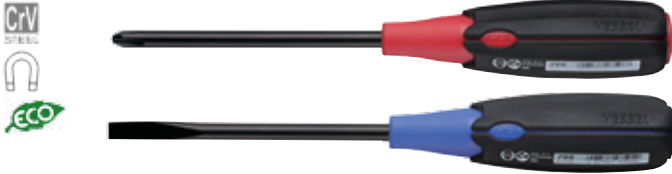
# KNOW BETTER COMFORT



## Gel Grip Handle

The super cushion grip handle fits comfortably in the palm of your hand for maximum torque while tightening.

### 700 Gel Grip Screwdriver



Part No.	EDP No.	mm	mm	mm	mm	mm	mm
700 5.5*75	125211	5.5	0.8	75	5.5	29	182
700 6*100	125212	6.0	0.9	100	6.4	32	215
700 6*150	125213	6.0	0.9	150	6.4	32	265
700 8*150	125214	8.0	1.1	150	8.0	34	275
700 P1*75	125215	+ No. 1		75	5.5	29	182
700 P2*100	125216	+ No. 2		100	6.4	32	215
700 P2*150	125217	+ No. 2		150	6.4	32	265
700 P3*150	125218	+ No. 3		150	8.0	34	275

### 610 Cushion Grip Thin Shank Screwdriver



Part No.	EDP No.	mm	mm	mm	mm	mm	mm
610 4*75	125332	4.0	0.5	75	4.0	20.5	162
610 4*100	125333	4.0	0.5	100	4.0	20.5	187
610 4*150	125335	4.0	0.5	150	4.0	20.5	237
610 P00*75	125337	+ No. 00		75	4.0	20.5	162
610 P00*100	125338	+ No. 00		100	4.0	20.5	187
610 P0*75	125339	+ No. 0		75	4.0	20.5	162
610 P0*100	125340	+ No. 0		100	4.0	20.5	187
610 P1*75	125341	+ No. 1		75	4.0	20.5	162
610 P1*100	125342	+ No. 1		100	4.0	20.5	187
610 P1*150	125343	+ No. 1		150	4.0	20.5	237

### 720 Gel Grip Stubby Screwdriver



720 6*15	125221	6.0	0.9	15	6.0	35	68
720 P1*15	125222	+ No. 1		15	6.0	35	68
720 P2*15	125223	+ No. 2		15	6.0	35	68

### 730 Gel Grip Tang-Thru Screwdriver



Part No.	EDP No.	mm	mm	mm	mm	mm	mm
730 5.5*75	125231	5.5	0.8	75	5.5	29	182
730 6*100	125232	6.0	0.9	100	6.4	32	215
730 6*150	125233	6.0	0.9	150	6.4	32	265
730 8*150	125234	8.0	1.1	150	8.0	34	276
730 P1*75	125235	+ No. 1		75	5.5	29	182
730 P2*100	125236	+ No. 2		100	6.4	32	215
730 P2*150	125237	+ No. 2		150	6.4	32	265
730 P3*150	125238	+ No. 3		150	8.0	34	276

## KNOW Better

Gel is formed in layers

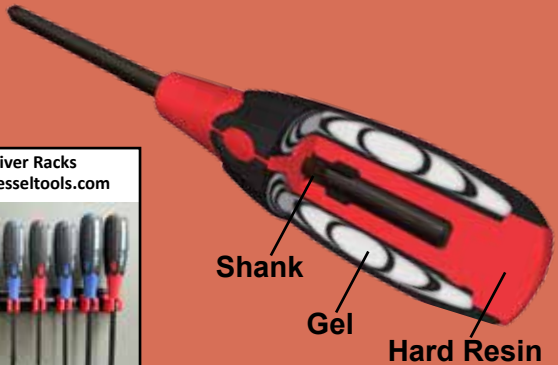


The grip does not expand externally even when grasped firmly



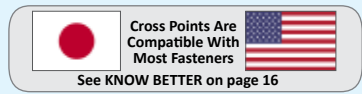
It prevents the skin from being caught during tightening

Smooth torque transmission





# KNOW BETTER PRECISION



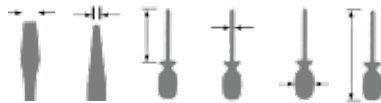
These precision screwdrivers are perfect for the delicate screw tightening operations of precision work. Our high-precision tip process conforms to JIS and JCIA standards\*. The ergonomic grips employed enable a smoother torque transfer.



## 9900 Micro Screwdriver



- Handle is fitted with revolving cap for fast turning
- Fully hardened chrome vanadium steel



Part No.	EDP No.	mm					
9900 1.8*50	125621	1.8	0.25	50	2.5	10	145
9900 2.5*75	125622	2.5	0.35	75	2.5	10	170
9900 3*100	125623	3	0.45	100	3	10	195
9900 3*150	125624	3	0.45	150	3	10	245
9900 P00*75	125625	+ No. 00		75	2.5	10	170
9900 P0*100	125626	+ No. 0		100	3	10	195
9900 P0*150	125627	+ No. 0		150	3	10	245

\* JIS - Japanese Industrial Standard  
JCIA - Japanese Camera Industrial Association



## 9900 Micro Screwdriver



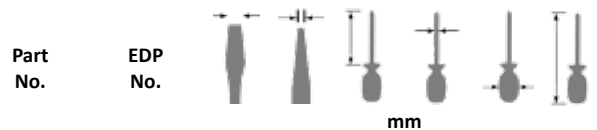
- For adjustment and repair of precision equipment, electronics, glasses, watches, etc.

Part No.	EDP No.	Set Includes (mm)
9902	125610	+00x75 / +0x100 / -1.8x50
9903	126611	+00x75 / -2.5x75 / -3x100

## 9000 Ceramic Adjustment Tool



- Made from high quality Zirconia ceramic
- Ideal for adjustment of electronic parts, wireless equipment, TV, VCR, video cameras, radio equipment, computers, or communications equipment
- Anti-static, non-magnetic, and acid resistant



Part No.	EDP No.	mm					
9000 0.9*30	125650	0.9	0.4	30	1.8	10	125
9000 1.3*30	125651	1.3	0.4	30	1.8	10	125
9000 1.8*30	125652	1.8	0.4	30	1.8	10	125
9000 2.6*30	125653	2.6	0.4	30	2.6	10	125
9000 3.4*15	125654	3.4	0.5	15	3.4	10	115
9000 P0*30	125655	+ No. 0		30	2.6	10	125
9000 P1.7*30	125656	+ No. 1.7		30	2.6	10	125

## TD Series - Precision Screwdriver Sets with Cushion Grips

### TD-55



Set Includes:  
-0.9 / -1.2 / -1.8 / -2.3 / -3.0 / -3.5

### TD-56



Set Includes:  
-0.9 / -1.2 / -1.8 / -2.3 / +00 / +0

### TD-57



Set Includes:  
A/F 2.2 / 3.0 / 4.0 / 4.5 / 5.0 / 5.5

### TD-58



Set Includes:  
H0.89 / H1.27 / H1.5 / H2.0 / H2.50 / +00



# KNOW BETTER GEARS



## TD-6804MG Ratchet Driver



Set Includes:  
-6 / +1 / +2 / +3

## TD-6816MG Ratchet Driver



Set Includes:  
-6 / +1 / +2 / +3  
H2 / H2.5 / H3 / H4 / H5  
T10H / T15H / T20H / T25H / T27H / T30H / T40H

## TD-6700FX-4 Stubby Ratchet with 6.5" Flexible Extension



(Flexible Extension Available Separately)



See EXT165-FLEX on page 14

- 1/4" hex bit insert
- Ideal in confined spaces
- Ball lock type for easy bit replacement
- Flexible 6.5" shaft extension
- Set includes: -4 / -6 / +1 / +2 x 33mm

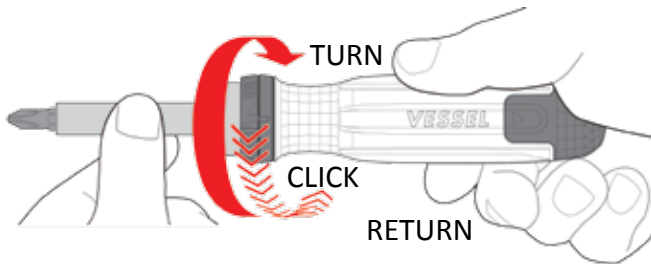
## KNOW Better



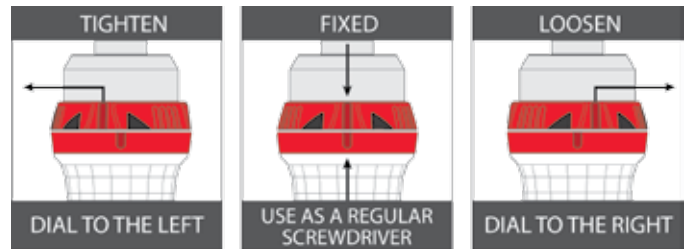
- Smooth operation with every click
- Just twist your wrist. Possible to keep operating without re-gripping
- Newly developed accurate and durable 72 tooth gear provides smooth operation
- Oil resistant acetate handle

(TD-6700 & TD-6800 Series Only)

## WHEN TIGHTENING SCREWS



## THREE SELECTABLE DRIVE POSITIONS



HOLD THE SHANK OF THE RATCHET AND TWIST

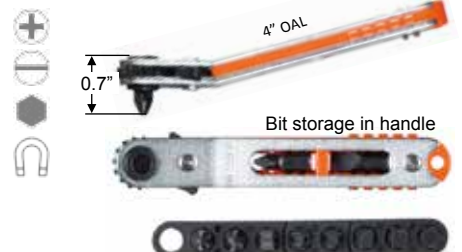


## TD-73MC Flat Plate Bit Ratchet



Features a Magnetic Screw Catcher  
Reversible for fastening or loosening  
1/4" Hex Drive Bits Included (1" L):  
• +1 / +2 / +3 / -4 / -6  
• H2.5 / H3 / H4 / H5 / H6

## TD-79 Angled Plate Bit Ratchet



1/4" Hex Drive Bits Included (0.7" L):  
• +1 / +2 / +3 / -4 / -6  
• H2.5 / H3 / H4 / H5 / H6

# KNOW BETTER QUALITY

## GEL Grip Hammers



- Superior Weight Balance
- Non-Slip Grip

Part No.	EDP No.	Description
76-10	142082	Plastic Head Hammer(1" Diameter)
77-10	142091	Plastic & Rubber Head Hammer(1" Diameter)

## 970 MEGADORA Chisel Screwdriver



- Made of high grade chisel steel (58HRC)
- Tang-thru shaft with large end cap
- For spot welding stripping, deburring, and tile and brick chipping

Part No.	EDP #	mm						
970 7*100	125722	7.0	1.5	100	7.0	34	213	
970 9.5*120	125732	9.5	1.7	120	9.5	36zz	248	

## LE-325 Heavy-Duty Utility Knife

For electrical installation work, the LE-325 is ideal for splitting and peeling cable insulation jackets, cutting cables, opening up electrical outlets in plywood or sheetrock, or other general cable preparations.

Anyone spending time outdoors camping, hiking, fishing, etc. will also find this knife to very useful. The knife can be easily removed from the sheath's safety lock with one hand, allowing the user to quickly access the knife when needed.

The large handle can provide the leverage Shipping Departments need to cut through boxes, poly strapping, stretch wrap, and packaging.

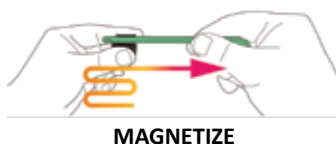


## Hex Wrenches

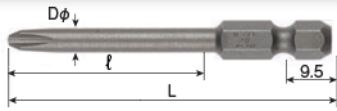
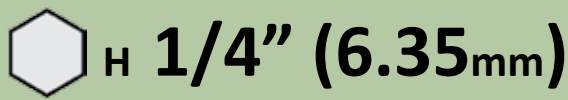
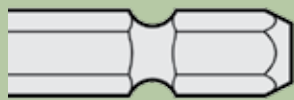


The hex wrench holder opens like a fan and functions as a stand. By the magnetic force of the magnetizer stored in the lower part of the holder, the holder can be fixed onto level metal parts of machine tools, automated machinery, surface plates, etc.

The magnetizer can be taken out from the holder and used to magnetize and demagnetize hex wrenches by either rubbing the wrench on the magnetizer, or by simply attaching the magnetizer to the hex wrench.



Part No.	EDP #	Sizes Included (mm)
8906BP	144352	1.5 / 2 / 2.5 / 3 / 4 / 5
8909BP	144351	1.5 / 2 / 2.5 / 3 / 4 / 5 / 6 / 8 / 10



### B35 Bit - Tapered Shaft



	Tip	OAL	DØ	ℓ	HRC	MOQ
+	446423	P00 1.94" (49mm)	.063" (1.6mm)		H 10	
+	446126	P00 2.36" (60mm)	.047" (1.2mm)	20mm	H 10	
+	446141	P00 4.00" (100mm)	.079" (2.0mm)	40mm	H 10	
+	487195	P0 1.94" (49mm)	.125" (3.2mm)		H 10	
+	446153	P0 2.36" (60mm)	.079" (2.0mm)	20mm	H 10	
+	41000183	P0 3.00" (75mm)	.079" (2.0mm)	20mm	H 10	
+	446157	P0 4.00" (100mm)	.079" (2.0mm)	30mm	H 10	
+	446175	P1 1.57" (40mm)	.098" (2.5mm)	20mm	H 10	
+	487200	P1 1.90" (49mm)	.188" (4.8mm)		H 10	
+	487201	P1 2.76" (70mm)	.188" (4.8mm)		H 10	
+	446174	P1 3.00" (75mm)	.091" (2.3mm)	20mm	H 10	
+	487202	P1 3.50" (89mm)	.188" (4.8mm)		H 10	
+	487205	P2 1.94" (49mm)	.250" (6.4mm)		H 10	
+	487206	P2 2.76" (70mm)	.250" (6.4mm)		H 10	
+	446426	P2 3.00" (75mm)	.188" (4.8mm)		H 10	
+	446201	P2 3.00" (75mm)	.126" (3.2mm)	30mm	H 10	
+	487207	P2 3.50" (89mm)	.250" (6.4mm)		H 10	
+	446435	P2 5.00" (127mm)	.313" (6.0mm)		H 10	
+	487208	P2 6.00" (152mm)	.250" (6.4mm)	20mm	H 10	
+	446439	P2 8.00" (200mm)	.236" (6.0mm)		H 10	
+	487210	P3 1.94" (49mm)	.313" (8.0mm)		H 10	
+	487212	P3 3.50" (89mm)	.313" (8.0mm)		H 10	
+	489256	P3 4.00" (100mm)	.315" (8.0mm)		H 10	
+	446437	P3 6.00" (150mm)	.315" (8.0mm)		H 10	

### B35 Bit - Tapered Shaft Magnetic



	Tip	OAL	DØ	ℓ	HRC	MOQ
+	487201(M)	P1 2.76" (70mm)	.188" (4.8mm)		H 10	
+	487205(M)	P2 1.94" (49mm)	.250" (6.4mm)		H 10	
+	487206(M)	P2 2.76" (70mm)	.250" (6.4mm)		H 10	
+	487207(M)	P2 3.50" (89mm)	.250" (6.4mm)		H 10	



### B35 Bit - Standard Shaft Hex Tip



Item ID	Tip	OAL	d1	d2	HRC	MOQ
+	424080	H2 3.0" (75mm)	.093" (2.35mm)	.276" (7mm)	H 10	
+	424081	H2 4.0" (100mm)	.093" (2.35mm)	.276" (7mm)	H 10	
+	424082	H2.5 3.0" (75mm)	.114" (2.90mm)	.276" (7mm)	H 10	
+	424083	H2.5 4.0" (100mm)	.114" (2.90mm)	.276" (7mm)	H 10	
+	424084	H3 3.0" (75mm)	.140" (3.55mm)	.276" (7mm)	H 10	
+	424085	H3 4.0" (100mm)	.140" (3.55mm)	.276" (7mm)	H 10	
+	424086	H4 3.0" (75mm)	.187" (4.75mm)	.276" (7mm)	H 10	
+	424087	H4 4.0" (100mm)	.187" (4.75mm)	.276" (7mm)	H 10	
+	424088	H5 3.0" (75mm)	.230" (5.50mm)	.276" (7mm)	H 10	
+	424089	H5 4.0" (100mm)	.230" (5.50mm)	.276" (7mm)	H 10	
+	424090	H6 3.0" (75mm)	-	.276" (7mm)	H 10	
+	424091	H6 4.0" (100mm)	-	.276" (7mm)	H 10	

Item ID	Tip	OAL	HRC	MOQ
+	BIT/ 64591	H3/32 1.94" (49mm)	H 10	
+	487270	H7/64 1.94" (49mm)	H 10	
+	487271	H1/8 1.94" (49mm)	H 10	
+	487272	H9/64 1.94" (49mm)	H 10	
+	487273	H5/32 1.94" (49mm)	H 10	
+	487274	H3/16 1.94" (49mm)	H 10	
+	487275	H7/32 1.94" (49mm)	H 10	
+	487276	H1/4 1.94" (49mm)	H 10	

### B35 Bit - Standard Shaft



Item ID	Tip	OAL	DØ	HRC	MOQ
+	424034	P1 3.0" (75mm)	0.28" (7mm)	X 10	
+	424032	P1 2.0" (50mm)	0.28" (7mm)	H 10	
+	424035	P1 3.0" (75mm)	0.28" (7mm)	H 10	
+	424036	P1 4.0" (100mm)	0.18" (4.5mm)	H 10	
+	424040	P2 2.0" (50mm)	0.28" (7mm)	G 10	
+	424061	P2 2.0" (50mm)	0.28" (7mm)	X 10	
+	424042	P2 3.0" (75mm)	0.28" (7mm)	E 10	
+	424041	P2 3.0" (75mm)	0.28" (7mm)	G 10	
+	424047	P2 3.0" (75mm)	0.28" (7mm)	H 10	
+	424062	P2 3.0" (75mm)	0.28" (7mm)	X 10	
+	424038	P2 4.0" (100mm)	0.18" (4.5mm)	E 10	
+	424044	P2 4.0" (100mm)	0.28" (7mm)	E 10	
+	424043	P2 4.0" (100mm)	0.28" (7mm)	G 10	
+	424048	P2 4.0" (100mm)	0.28" (7mm)	H 10	
+	424046	P2 6.0" (150mm)	0.28" (7mm)	E 10	
+	424045	P2 6.0" (150mm)	0.28" (7mm)	G 10	
+	424049	P2 6.0" (150mm)	0.28" (7mm)	H 10	
+	446207	P2 8.0" (200mm)	0.28" (7mm)	H 10	
+	424050	P3 3.0" (75mm)	0.28" (7mm)	H 10	
+	424051	P3 3.0" (75mm)	0.28" (7mm)	E 10	
+	424052	P3 4.0" (100mm)	0.28" (7mm)	H 10	
+	424053	P3 4.0" (100mm)	0.28" (7mm)	E 10	
+	424054	P3 6.0" (150mm)	0.28" (7mm)	G 10	



### Bit - Standard Shaft Torx Tip



Item ID	TIP	OAL	d1	d2	HRC	MOQ
+	T10603	T3 1.94" (49mm)	.051" (1.30mm)	.122" (3.10mm)	H 10	
+	446486	T5 1.94" (49mm)	.066" (1.67mm)	.157" (4.00mm)	H 10	
+	446491	T10 1.94" (49mm)	.119" (3.02mm)	.178" (4.52mm)	H 10	
+	446492	T15 1.94" (49mm)	.140" (3.56mm)	.177" (4.50mm)	H 10	
+	446493	T20 1.94" (49mm)	.163" (4.14mm)	.197" (5.00mm)	H 10	
+	446494	T25 1.94" (49mm)	.185" (4.70mm)	.197" (5.00mm)	H 10	
+	446496	T30 1.94" (49mm)	.228" (5.79mm)	.236" (6.00mm)	H 10	
+	446497	T40 1.94" (49mm)	-	.276" (7.00mm)	H 10	



### MMBC Bits with Magnetic VISCATCH

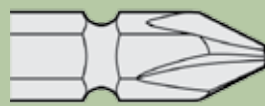
Ultra Strong Magnet Firmly Holds Screws In Place While Fastening



Item ID	TIP	OAL	HRC	MOQ
+	447111	T10 1.94" (49mm)	X 10	
+	447112	T10 2.75" (70mm)	X 10	
+	447115	T15 1.94" (49mm)	X 10	
+	447116	T15 2.75" (70mm)	X 10	
+	447113	T20 1.94" (49mm)	X 10	
+	447101	T20 3.00" (75mm)	X 10	
+	447109	T20 6.00" (150mm)	X 10	
+	447117	T25 1.94" (49mm)	X 10	
+	447118	T25 2.75" (70mm)	X 10	

## DOUBLE END BITS

Not compatible with all drivers. Please visit [www.vesseltools.com](http://www.vesseltools.com) for details.



# H 1/4" (6.35mm)



### B43 Double End Bit

For assembly work focusing on workability

Item ID	Tip	OAL	HRC	MOQ
425032	P1	3" (75mm)	H	10
425036	P2	2" (50mm)	X	10
425037	P2	2" (50mm)	H	10
425038	P2	2" (50mm)	E	10
425039	P2	3" (75mm)	X	10
425040	P2	3" (75mm)	H	10
425041	P2	3" (75mm)	G	10
425042	P2	3" (75mm)	E	10
425043	P2	4" (100mm)	G	10
425044	P2	4" (100mm)	E	10
425045	P2	6" (150mm)	G	10
425046	P2	4" (100mm)	X	10
425047	P2	4" (100mm)	H	10
425048	P2	6" (150mm)	X	10
425049	P2	6" (150mm)	H	10
425050	P2	8" (200mm)	G	10
446373	P2	12" (300mm)	H	10
425054	P3	3" (75mm)	H	10
425055	P3	3" (75mm)	E	10
425057	P3	4" (100mm)	H	10
425058	P3	4" (100mm)	E	10
446375	P3	6" (150mm)	H	10



### M-B43 Double End (Magnetized)

For assembly work focusing on workability

Item ID	Tip	OAL	HRC	MOQ
446669	P2	3" (75mm)	H	10
446672	P2	4" (100mm)	H	10
446673	P2	6" (150mm)	H	10

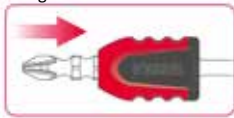


(Bit Sold Separately)

### NMC Bit Magnetizer / Demagnetizer

**Strong Magnet Catches Screws!** Attaching the NMC-2P to a bit makes its retaining strength about 20 times more than normal magnetized bits. The NMC-2P is powerful enough to catch long screws.

Slide the NMC onto the end of a bit to magnetize it

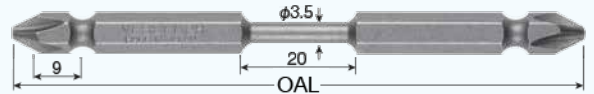


Approximately **20x** STRONGER  
0.7010lbf

Remove residual magnetic charge from the bit by swiping it across the NMC



Item ID	Description
NMC-2P	(2pc) Bit Magnetizer / Demagnetizer for 1/4" (6.35mm) Hex Drive Bits



### BT43 Torsion Bit

For soft joints (wood screws)

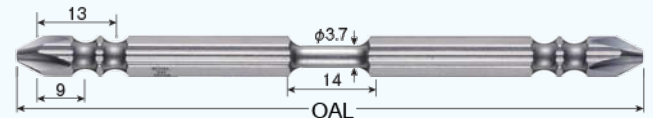
Item ID	Tip	OAL	HRC	MOQ
425161	P2	3 (75mm)	H	10
425162	P2	4 (100mm)	H	10



### BT43P Torsion Bit (Power Tip)

For hard joints (drill screws)

Item ID	Tip	OAL	HRC	MOQ
425201	P2	3 (75mm)	X	10
425202	P2	4 (100mm)	X	10



### RS SUPER Torsion Bit

For hard joints (drill screws)

Item ID	Tip	OAL	HRC	MOQ
486948	P2	2.6" (65mm)	H	10
486950	P2	4.3" (110mm)	H	10



### B43B TAPPING Bit (Black Tip)

Reinforced tip for tapping work

Item ID	Tip	OAL	HRC	MOQ
425141	P2	2" (50mm)	S	10
425142	P2	3" (75mm)	S	10
425143	P2	4" (100mm)	S	10
425144	P2	6" (150mm)	S	10



### B43H TAPPING Bit (High Power Tip)

Reinforced tip for tapping work

Item ID	Tip	OAL	HRC	MOQ
425151	P2	3" (75mm)	H	10
425153	P2	4" (100mm)	H	10
425155	P2	6" (150mm)	H	10



### B43P Double End Bit (Power Tip)

Good balance of tip precision and strength

Item ID	Tip	OAL	HRC	MOQ
425171	P2	3" (75mm)	H	10
425172	P2	4" (100mm)	H	10





# H 1/4" (6.35mm)



## B33 Insert Bit (for Bit Holder)



Item ID	Tip	OAL	HRC	MOQ
421231	P1	1" (25.4mm)	H	10
421241	P2	1" (25.4mm)	H	10
421242	P3	1" (25.4mm)	G	10
421251	-4	1" (25.4mm)	G	10
421252	-6	1" (25.4mm)	G	10
421260	H2	1" (25.4mm)	H	10
421261	H2.5	1" (25.4mm)	H	10
421262	H3	1" (25.4mm)	H	10
421263	H4	1" (25.4mm)	H	10
421264	H5	1" (25.4mm)	H	10
421265	H6	1" (25.4mm)	H	10
489154	T3	1" (25.4mm)	H	10
489155	T5	1" (25.4mm)	H	10
635400	T6	1" (25.4mm)	H	10
489157	T7	1" (25.4mm)	H	10
635401	T8	1" (25.4mm)	H	10
489159	T9	1" (25.4mm)	H	10
635402	T10	1" (25.4mm)	H	10
635403	T15	1" (25.4mm)	H	10
635404	T20	1" (25.4mm)	H	10
635405	T25	1" (25.4mm)	H	10
635406	T27	1" (25.4mm)	H	10
635407	T30	1" (25.4mm)	H	10
635408	T40	1" (25.4mm)	H	10



## B33 Thin Shank

Item ID	Tip	OAL	d1	HRC	MOQ
A-16479	P0, P1, P2	1" (25.4mm)		H	1
489001	P0	1" (25.4mm)	0.118" (3.0mm)	H	10
489002	P1	1" (25.4mm)	0.177" (4.5mm)	H	10
489003	P2	1" (25.4mm)	0.197" (5.0mm)	H	10

## BEST SELLER



421270



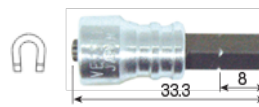
A-16479



A-16621

## B33 Bit Sets

Item ID	Tip	OAL	HRC	MOQ
421270	P1, P2, P3, -4, -6	1" (25.4mm)	H/G	1
Includes bit holder				
A-16479	P0, P1, P2	1" (25.4mm)		1
A-16621	P1, P2, P3	1" (25.4mm)	H/G	1



Ultra Strong Magnet Firmly Holds Screws In Place While Fastening



## MMBC VISCATCH Bit with Magnetic Sleeve

Item ID	Tip	OAL	HRC	MOQ
447105	P1	1.3" (33mm)	X	10
447106	P2	1.3" (33mm)	X	10
447107	PZ1	1.3" (33mm)	X	10
447108	PZ2	1.3" (33mm)	X	10
447104	T10	1.3" (33mm)	X	10
447102	T15	1.3" (33mm)	X	10
447103	T20	1.3" (33mm)	X	10
447110	T25	1.3" (33mm)	X	10



## BH Bit Holder

Item ID	Description	OAL	MOQ
482420	1/4" Hex Bit Holder	3.0" (75mm)	10
487366	1/4" Hex Bit Holder	4.0" (102mm)	10
487367	1/4" Hex Bit Holder	6.0" (152mm)	10
482425	1/4" Hex Bit Holder	3.0 (75mm)	10
487370	1/4" Hex Bit Holder	3.0" (75mm)	10
487371*	1/4" Hex Bit Holder	4.0" (102mm)	10
487372	1/4" Hex Bit Holder	6.0" (152mm)	10



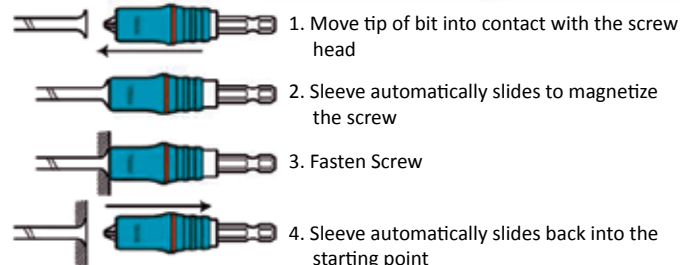
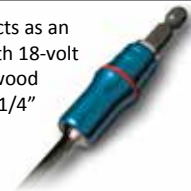
## EXT165-FLEX 6.5" Flexible Extension

Ideal for use in areas where conventional screwdrivers cannot reach



## MBC VISCATCH Bit with Magnetic Sleeve

This magnetic viscatach bit holder and screw starter acts as an automatic screw holding system, and can be used with 18-volt impact type power tools so it's deal for driving long wood screws in home building applications. Also, standard 1/4" hex insert bits can be changed out quickly due to the quick-release chuck design.



Item ID	Description	OAL	MOQ
MBC-1B	1/4" Hex Bit Holder (w. Magnetic Screw Holder)	2.8" (71mm)	1



# Ø 4mm Wing Type



## D73 Bit - Precision HIOS Wing Type



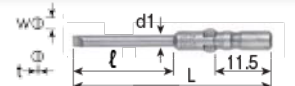
Item ID	Benchmark	TIP	OAL	d1	ℓ	MOQ
446001		P00	40	1.2	20	10
483001	DLB64411-10	P00	40	1.5	20	10
446004	05 135280 001	P00	40	1.7	20	10
483005		P00	40	2.0	20	10
483002	DLB64412-10	P00	60	1.5	20	10
483006		P00	60	2.0	20	10
446010		P00	60	2.0	30	10
446016		P0	40	1.4	20	10
446022		P0	40	1.5	20	10
445985	05 135284 001	P0	40	1.7	20	10
446025	DLB64416-10	P0	40	2.0	20	10
483015		P0	40	2.5	20	10
446017		P0	60	1.4	20	10
446076		P0	60	1.5	20	10
445986	05 135285 001	P0	60	1.7	20	10
483011	05 135287 001	P0	60	2.0	20	10
446029		P0	60	2.0	30	10
483016	05 135289 001	P0	60	2.5	20	10
446027	DLB64418-10	P0	80	2.0	20	10
446033		P0	80	2.5	20	10
446028	DLB64419-10	P0	100	2.0	20	10
446034		P0	100	2.5	20	10
446048		P1	40	2.5	20	10
483021	05 135290 001	P1	40	3.0	20	10
446053	05 135291 001	P1	60	3.0	20	10
446059	DLB64423-10	P1	60	4.0	-	10
446054		P1	80	3.0	20	10
446055		P1	100	3.0	20	10
483376		P1	120	3.0	20	10
483031		P2	40	4.0	-	10
446070		P2	60	4.0	-	10
446071		P2	80	4.0	-	10
446072	DLB64431-10	P2	100	4.0	-	10
446073	DLB64432-10	P2	120	4.0	-	10



## DS73 SHOCKLESS Bit - Precision HIOS Wing Type

By providing the bit with a torsion zone, the impact applied in the instant that the screw is seated is absorbed, and chipping of the tool tip is suppressed. We are also able to greatly reduce the rush acceleration at the time of seating by reducing the bit's weight. A more stable torque accuracy can be attained with the "Impact & Moment of Inertia Absorbition" effect applied on the VESSEL Shockless Bit

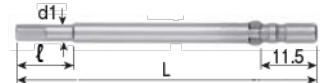
Item ID	TIP	OAL	d1	ℓ	MOQ
483801	P00	40	1.5	20	10
483802	P00	60	1.5	20	10
483809	P0	40	1.5	20	10
483810	P0	60	1.5	20	10
483811	P0	40	1.7	20	10
483812	P0	60	1.7	20	10
483813	P0	40	2.0	20	10
483814	P0	60	2.0	20	10
483901	T5	40	2.0	20	10
483902	T5	60	2.0	20	10
483903	T6	40	2.0	20	10
483904	T6	60	2.0	20	10



Item ID	Benchmark	W	OAL	t	d1	ℓ	MOQ
483041		-2	40	0.3	2.0	20	10
483042		-2.5	40	0.3	2.5	20	10
483043	64449	-3	40	0.4	3.0	20	10
483044		-4	40	0.5	4.0	20	10



Item ID	Benchmark	TIP	OAL	d1	ℓ	MOQ
635621	05 135400 001	T1	40	1.5	20	10
635622	05 135401 001	T2	40	1.5	20	10
635623	05 135402 001	T3	40	1.7	20	10
635624	05 135403 001	T4	40	1.8	20	10
635625	05 135404 001	T5	40	2.0	20	10
635695		T5	60	2.0	20	10
635626	64822	T6	40	2.5	20	10
635696	64823	T6	60	2.0	20	10
635627		T7	40	2.5	20	10
446113	64825	T7	60	2.0	20	10
635628	05 135407 001	T8	40	3.0	20	10
635629	05 135408 001	T9	40	3.0	20	10
635630	05 135409 001	T10	40	3.0	20	10
446119	64828	T10H	60	4.0	-	10



Item ID	Benchmark	TIP	OAL	d1	ℓ	MOQ
483051	64482	H1.5	60	2.0	20	10
483052	64483	H2.0	60	3.0	20	10
483053	64484	H2.5	60	3.0	20	10
483054		H3.0	60	4.0	20	10

## KNOW Better

Use precision bits in a screwdriver handle!

Model #

**V B1DW**

4mm wing type to 1/4" hex adapter



Model #  
**220W-D73**

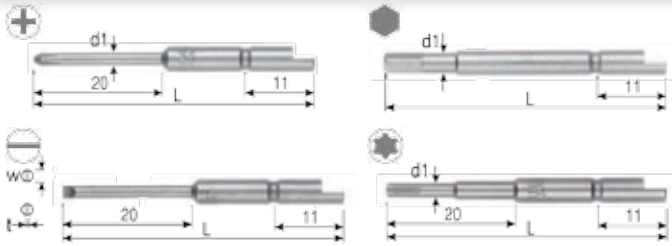
220 Series handle and V B1DW

Bits Sold Separately





# 4mm Half Moon Type



## D71 Bit - Precision DELVO Half Moon

Item ID	Benchmark	TIP	OAL	d1	MOQ
482901	05 135270 001	P00	44	1.5	10
482902	05 135271 001	P00	64	1.5	10
482911	05 135274 001	P0	44	2.0	10
482912		P0	64	2.0	10
482913	DLB2124-10	P0	44	2.5	10
482914	DLB2125-10	P0	64	2.5	10
482921	DLB2126-10	P1	44	3.0	10
482922	DLB2127-10	P1	64	3.0	10
482923	DLB2128-10	P1	44	4.0	10
482924	DLB2129-10	P1	64	4.0	10

Item ID	Benchmark	TIP	OAL	d1	MOQ
635601	05 135220 001	T1	44	1.5	10
635602	05 135221 001	T2	44	1.5	10
635603	05 135222 001	T3	44	1.7	10
635604	05 345352 001	T4	44	1.8	10
635605		T5	44	2.0	10
635606		T6	44	2.5	10
635607		T7	44	2.5	10
635608	05 345026 001	T8	44	3.0	10
446323		T8H	44	4.0	10
635609		T9	44	3.0	10
635610		T10	44	3.0	10
446328		T15H	64	4.0	10

H denotes a Tamper Proof Type (ex. T8H, T15H)

ITEM ID	Benchmark	W	OAL	t	MOQ
482941	DLB2220-10	2.0	44	0.3	10
482942	DLB2221-10	2.5	44	0.3	10
482943	DLB2222-10	3.0	44	0.4	10
482944	DLB2223-10	4.0	44	0.5	10

ITEM ID	Benchmark	TIP	OAL	d1	MOQ
482951	DLB2321-10	H1.5	44	2.0	10
482952	DLB2322-10	H2	44	3.0	10
482953		H2.5	44	3.0	10
482954	DLB2323-10	H3	44	-	10

## KNOW Better

Can't find a bit? Let us help!

Part No. \_\_\_\_\_ Date: \_\_\_\_\_  
 Similar VESSEL item \_\_\_\_\_ Ref. No.: \_\_\_\_\_

**POINT**

CROSS POINT (000, 00, 0.1, 2, 3)  
 SUBZEVY (1, 2, 3)  
 PASSIVE (1, 2, 3)  
 PLAN SLOT (1, 2, 3)  
 TORX (1-10, 15, 20, 25, 27, 30, 40, 45, 50, 55)  
 TORX (4-point head) (9-10, 15, 20, 25, 27, 30, 40, 45, 50, 55)  
 HEXAGON HEAD (1, 2, 3, 4, 5, 6, 8)  
 HEXAGON HEAD (1, 2, 3, 4, 5, 6, 8)  
 SQUARE HEAD (1, 2, 3, 4)  
 BALLPOINT (1, 2, 3, 4, 5, 6, 8)  
 ANTIKICK (1, 2, 3, 4)  
 HEX SOCKET (1, 2, 3, 4, 5, 6, 8)  
 HEX SOCKET (1, 2, 3, 4, 5, 6, 8)  
 OTHERS ?

**DRIVE**

4mm DRIVE  
 SCREW SHANK DRIVE  
 6.35mm HEX DRIVE  
 6.35mm HEX SHANK DRIVE  
 6.35mm SHANK DRIVE  
 8mm HEX SHANK DRIVE  
 OTHERS

**TOLERANCE**  
 VESSEL Spec.  Specified ( )

**QUANTITY** \_\_\_\_\_ pcs (Min. 200pcs)

**SURFACE TREATMENT**  
 Shot (Blast)  Black Finish

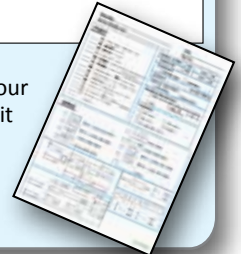
**MAGNETIC/MAGNETIZED**  
 YES (For Nut Setters inquiry, the bolt with flange)  
 NO  YES (Torque set screw)  
 NO

**HARDNESS**  
 HRC 62±1  HRC 60±1  
 HRC 57±1  OTHERS ( )  
 Nut Setters (HRC 49±2)

**Dimensions:**  
 Dia: mm  
 L: mm  
 Dia: mm  
 L: mm  
 Dia: mm  
 L: mm

To receive a quote on a custom order bit, download the Bits Questionnaire Form from our website. Complete the form and email or fax it to us and a Sales Representative will contact you.

Download the Custom Bits form at: [www.vesseltools.com/bitsform.pdf](http://www.vesseltools.com/bitsform.pdf)



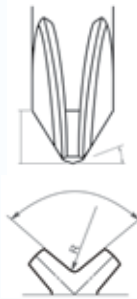
## KNOW Better

### VESSEL Cross Point Tips

VESSEL's unique hybrid Cross Point design was born from the JIS specifications they helped establish, but has been dimensionally refined to accommodate most industrial specifications including ANSI, DIN, and others.

It's very hard to distinguish the difference between a Phillips screw and a JIS screw without magnification. Some JIS screws can be easily identified by a single dot or dimple on the screw head, however not all JIS screws feature this marking.

### Japanese Industrial Standard (JIS)



Japanese engineers developed their own cross-point design similar to that of the Phillips®. The Japanese cross-point drivers also have the self-centering and quick tool and screw engagement, however the "JIS" (Japanese Industrial Standard) design allowed torque and over-tightening to be controlled by the operator and not at the head of the screw. This key difference is why Phillips screwdrivers cannot properly engage "JIS" (Japanese Industrial Standard) screws.

### Phillips Screws



Henry Phillips invented and patented the Phillips® design in 1936. The Phillips® design was a great solution for the automobile production lines since it was designed to "cam-out" after a certain torque was reached to prevent over-tightening of the screw. Another advantage over the use of flat head screws was that the Phillips® self-centering design allowed operators to engage the tip of the driver into the screw head very quickly and easily.



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Fair Lawn, NJ 07410 USA

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Authorized North American Distributor of **VESSEL** PROFESSIONAL TOOLS

#### NOTE:

- The products and packaging in this catalog are subject to change without notice
- Product dimensions are in millimeters (mm) unless otherwise noted