

Industrial Bits

BITS & SOCKETS





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About ISO

ISO 9001 : 2008

Our screwdriver manufacturing division, VESSEL SHIMANE CO., LTD is certified according to ISO standard, the global standard for quality assurance control.



ISO 14001 : 2004

We obtained ISO 14001 in August 2010. VESSEL will further strive to offer eco-friendly products, aiming at minimizing the environmental burden as a manufacturing group.



Industrial bits Technical

BITS & SOCKETS TECHNICAL

RoHS

Environmental measures

Pb (lead) / Cd (cadmium) / Hg (mercury) / Hexavalent chromium / PBB (polybrominated biphenyl) / PBDE (polybrominated diphenyl ether) / DEHP, BBP, DBP, DIBP (phthalate esters)

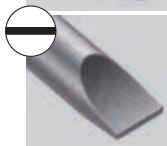
The products with this mark in this catalogue are compliant with the RoHS directives (EU) (usage limit of the above 10 substances).

Note: For the updated information on RoHS compliant products, visit our homepage, because some products or sizes are under investigation or are not compliant at the time of publication of this catalogue.



For cross recessed screws

Most commonly used in the market
JIS B4633.
Devised by PHILLIPS SCREW COMPANY.



For slotted head screws

Especially used for small screws for watches, glasses and precision equipment.
Also used for cross recessed slotted screws
JIS B4609.



For square screws

Mainly used for quake-resistant hardware.
Also good for sash doors and log houses.



For hexagonal socket screws

Used for metal products assembly, mold tools, machines, precision equipment and motorcycles, etc.



For TORX screws

Used for hard disk, automobiles and cutting tools.
VESSEL manufactures tools for TORX and TORX PLUS under the licensing agreement with Acument Intellectual Properties, LLC.



For POZIDRIV screws

Favored in Europe and used for OA devices, computers, housing materials, automobiles and airplanes.
VESSEL manufactures POZIDRIV tools under the licensing agreement with European Ind. Serv. Ltd. in UK.



For SUPADRIV screws

Favored in UK, Where this shape was devised, and used for OA devices, computers, housing materials, automobiles and airplanes. VESSEL manufactures SUPADRIV tools under the licensing agreement with European Ind. Serv. Ltd. in UK.



For hexagonal bolts and nuts

Sockets widely used for metal product assembly, automobiles, machines, houses and construction related fields



Magnetized bits

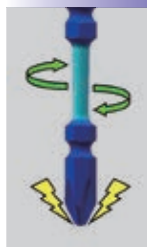
These bits can capture screws with a strong magnetic force enhancing work efficiency.



TORSION

Torsion part

Torsion part absorbs the impact caused when the screw head is fully seated by an impact driver, preventing tip breakage.

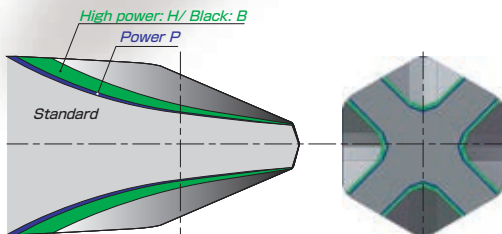


$\phi 3.5 \times 20\text{mm}$

For soft joint such as wood screws fastening.
Suitable when fastened material is soft.

$\phi 3.7 \times 14\text{mm}$

For hard joint such as drill fastening.
Suitable when fastened material is hard.



Name	Mark	Cross-section area of the tip	Purpose	Fitting to screws
Standard	—	Small	Wide range of works	Strongly Recommended
Power	P	Medium	For high impact	Very Good
High Power	H	Large	For widely cross recessed screws (pan head screws.)	Good
Black	B			

Sockets with a press-fitted shank

The socket and the shank are separately heat-treated at different harnesses, realizing a high torsional strength nearly two times greater than that of integrated type sockets.

Insertion part

For compact electric screw drivers

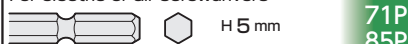
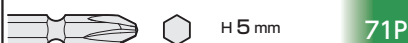


82P

81P
83P

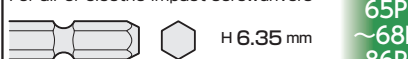
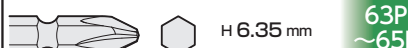
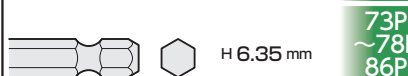
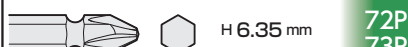
84P

For electric or air screwdrivers

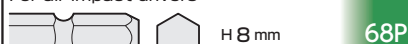
71P
85P

71P

For air or electric impact screwdrivers

65P
~68P
86P63P
~65P73P
~78P
86P
~88P72P
73P

For air impact drivers



68P



68P

Carefully selected materials

With our long experience and research in manufacturing, we developed our own materials with balanced hardness (less wearing) and toughness (hard to chip).

Properties of the elements contained in the materials are improved to an optimal level through a heat treatment process.

C...Carbon | The more carbon is contained, the greater hardening penetration becomes. When the carbon content is 0.6 % or more, abrasion resistance increases, although hardening penetration remains the same.

Ni...Nickel | The addition of small amount of nickel increases steel's shock resistance and toughness. When added in a large amount, it becomes weak and breaks easily.

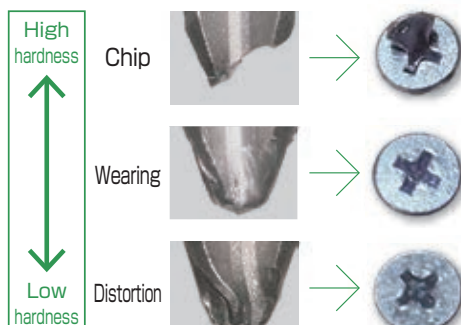
Cr...Chrome | Hardenability increases. Oxidation resistance increases. Toughness is improved.

Mo...Molybdenum | Hardenability increases. Significant decrease in toughness can be prevented.

Hardness (Heat processing classifications)

Chip, wearing and deformation, which directly affect the life of bits and sockets, can be controlled by choosing different hardnesses (heat processing classification)

Hardness (Heat processing classifications)	Examples of use for screws	Industrial use
X Possible highest hardness	Precision small screws, automated machine fitting, collated screws	Precision device assembly, light electrical automated screw tightening, collated screws for housing
H High hardness	Wood screws, small screws, tapping screws, self-drilling screws	Light electric assembly, communication acoustic device assembly, civil engineering and construction work
G Standard hardness	Tapping screws, small screws	Automobile and machine assembly, sash frame assembly
E S Low hardness	Self-drilling screws, tapping screws, small screws	Rigid joint, sheet metal assembly, heavy work



If you do not find any bits or sockets suitable for your work in our product line-up, we also offer made-to-order products according to your specifications.



- Need a longer bit. Is it OK to connect two bits by welding?
- Bit does not catch screws well. Center run-out of the screw driver is the cause?
- Want to use bits for a long time. Supplies expense is too much?
- Want to stabilize the screw tightening torque as much as possible.
- Want to use bits in narrow spaces. Parts are getting in the way of bits.
- Want to reduce the breakage of the bit tips. Having hard time in removing the broken piece of the bit tip from the screw head.
- Annoyed by stuck screws. Screw fastening machine often stops.
- Rust and oil of bits cause problems.
- Want to prevent screw stripping. It spoils precious workpieces.
- Want to introduce special screws. Tamper-proof screws are under consideration.
- Want to reduce the number of interruptions in production line due to bit changes, etc.

Best practice

Ideal fitting and improved bit tip life with tailored bits

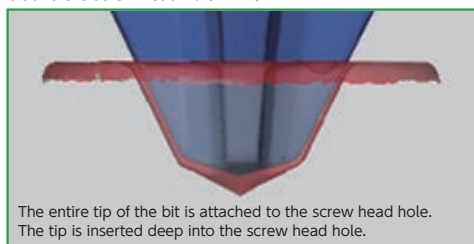
Analyze the fitting between the tip of the bit currently used and the screw head by using a 3D measurement device.

Fitting between the screw head and a user's bit



Analyze the fitting between the tip of the tailored bit and the screw head hole by using a 3D measurement device

Fitting between the tailored bit and the screw head hole

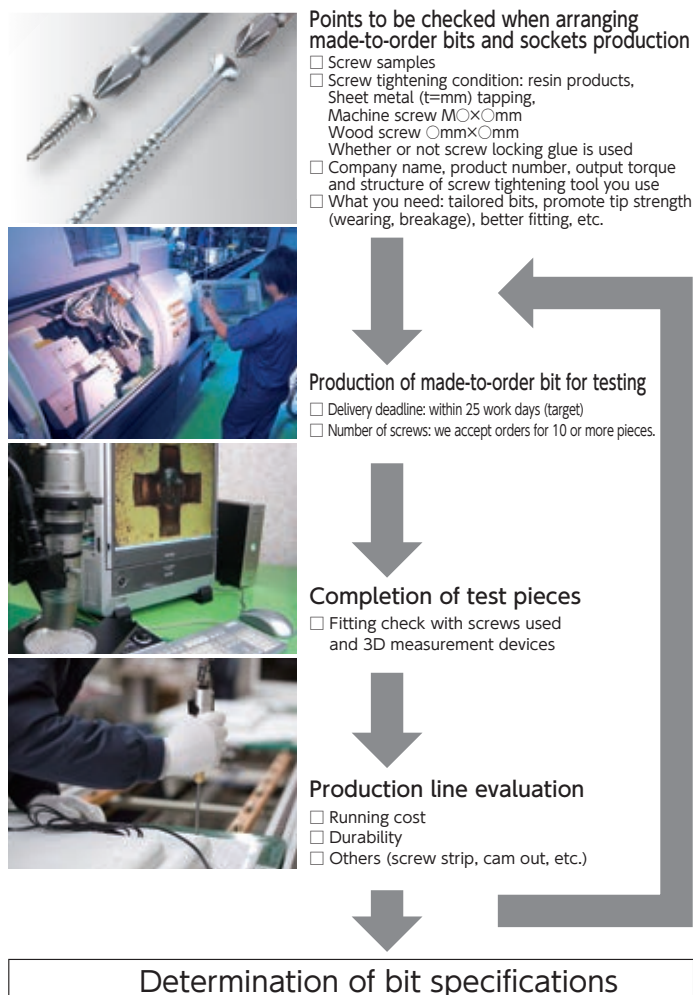


Result

The life of bits increased three times and the frequency of screw strip decreased.

*Analyses using 3D measurement devices are conducted as needed.
They are not conducted every time made-to-order bits and socket are manufactured.

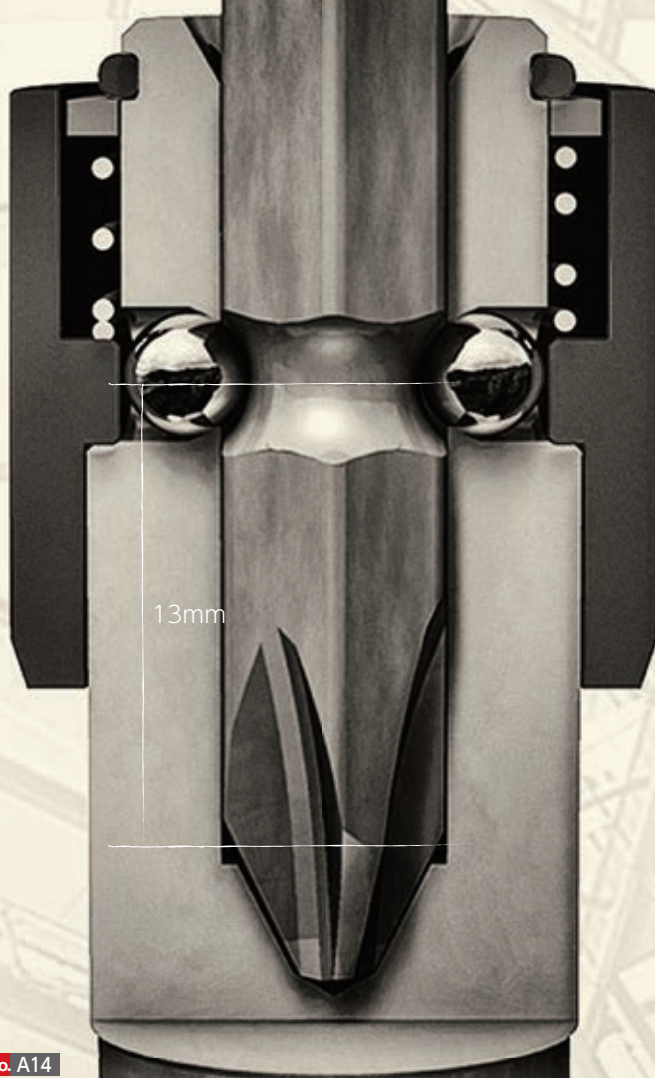
Flow of arrangement and process of made-to-order bits and sockets production



Double End Bit Type A



The Type A entry is designed to VESSEL's special insertion dimensions, developed when we first started manufacturing air drivers. The majority of electric drivers on the market can be used with our ubiquitous Type A bits.



13mm

13mm



No. A14

Double End Bit

High precision bit tips...

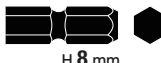
Our mission is to design and manufacture optimal bits for many kinds of screws. For such purpose, we take proactively into consideration licensing agreements for various screw types.

Also we supply bits that correspond to the continual changes in the screw recess design, by having technological exchanges with the screw punch manufacturers.

※This is for illustrative purpose.

Applicable models

Please check the model No. of your drivers before determining which bit(s) to choose.

Shape	Model No.	Page	Applicable models			
			 Air Screwdriver	 Electric Screwdriver		
 H 6.35 mm	A14	63P 64P	VESSEL GT-H4R-H4PR-H4.5-H5R-H5P-PH4-PH5-S4.5DR-PLR-PLZ-PLP-PLHII-S6MLR-S6HS-S6.5D-P4.5D-P4.5DR-P5LS-P6EXD-P6LSIII-P6HS-P6.5D-S4TR-S4TS-S4TG-S5TR-S5TB-S5TG-S5TS-S4.5XD-P4.5XD-PLXD-P60XD-P6LXD-S6LXD-S60XD-PLIXD-P5XD Hitachi Koki WH 12AB2-12H2 NPK ND-○○○Y NPW-○○○Y SD-4 Fuji Kuki FLT series D-10-D-20 FPT series D-10 FL series D-10 FPW series D-10 FW series D-10-D-20-D-60-D-70-D-80 Makita AD604-AD605H	VESSEL VE-5000-5000P-6000-6000P Toshiba CI-144VBKS Hitachi Koki WH 7DL-9DM2-10DL-10DAL-14DSL2-14DBAL2-14DDL-14DDL2-18DBAL2-18DDL-18DDL2-14DBEL-18DBEL-14DKL-18DKL-10DCL-14DCL-12H2-12AB2-12VE WM 10DBL-14DBL-18DBL WP 14DSL-12VA DB 3DL2 FWH 7DL-10DAL-10DFL-14DGL-14DSAL-12DC2-12VD-10DCL FDB 3DL2-10DFL W 4SA2-5SA-8V (Old model) WH 6DC-9DM-12DM-12DAF2-12DM2-12DMR-12DK-12DMR2-14DMRL-14DBL-14DBAL-18DBDL-8DYA(No.2 only available)-14DH-14DM-14DML-14DMR-14DSL-18DL-12VA-12VB-12VC3-12VC2-12VC-12VD WP 10A-12DM W 4SA-5VC-5VD-5VE-6VC-6VH-6VJ-6M-6MV-6MV2 ●The models in blue letters are the screwdrivers for light steel substrates and boards. It is recommended to use a 45mm long bit.		
	A14P	63P			Hitachi Koki WH 7DL-9DM2-10DL-10DAL-14DSL2-14DBAL2-14DDL-14DDL2-18DBAL2-18DDL-18DDL2-14DBEL-18DBEL-14DKL-18DKL-10DCL-14DCL-12H2-12AB2-12VE WM 10DBL-14DBL-18DBL WP 14DSL-12VA DB 3DL2 FWH 7DL-10DAL-10DFL-14DGL-14DSAL-12DC2-12VD-10DCL FDB 3DL2-10DFL W 4SA2-5SA-8V	
	M-A14					
	A14H					
	A14B					
	AZ14					
	AS14					
	A14R	64P			FLT series D-10-D-20 FPT series D-10 FL series D-10 FPW series D-10 FW series D-10-D-20-D-60-D-70-D-80	Hitachi Koki WH 7DL-9DM2-10DL-10DAL-14DSL2-14DBAL2-14DDL-14DDL2-18DBAL2-18DDL-18DDL2-14DBEL-18DBEL-14DKL-18DKL-10DCL-14DCL-12H2-12AB2-12VE WM 10DBL-14DBL-18DBL WP 14DSL-12VA DB 3DL2 FWH 7DL-10DAL-10DFL-14DGL-14DSAL-12DC2-12VD-10DCL FDB 3DL2-10DFL W 4SA2-5SA-8V
	AL14					
	AT14	65P			FW series D-10-D-20-D-60-D-70-D-80	Hitachi Koki WH 7DL-9DM2-10DL-10DAL-14DSL2-14DBAL2-14DDL-14DDL2-18DBAL2-18DDL-18DDL2-14DBEL-18DBEL-14DKL-18DKL-10DCL-14DCL-12H2-12AB2-12VE WM 10DBL-14DBL-18DBL WP 14DSL-12VA DB 3DL2 FWH 7DL-10DAL-10DFL-14DGL-14DSAL-12DC2-12VD-10DCL FDB 3DL2-10DFL W 4SA2-5SA-8V
	AT14P					
	ST14					
 H 6.35 mm	A16	65P 66P	Yokota YLa60B-70B-80B YLT50B-60B-70B-60BL-70BL Y-40SB-41B-46B YX-80B-180B-180SB-280B-380B-500B-180SB-280SB-380SB-500SB YBX-50B YD-400SCB-4.5LBZ-6WBZK-600SBZ-40PBZ-4.5PBZK-600PBZ-650PBZ-65PTBZ-65PBZ-670B-670B-F-670B-R-670B-RF Yutani D-6SPAL-5WPEA-6WSPEA-6WSHPEA-600SHEA-604A-8WPE-6SSAEL-6WSHA DH-6PL-4.5PEA-6PLE-4.5SA-6SELA HPW-4D-6D-6αD-8αD-4SD-6SD-6αSD ETC-10HD-15HD-5HSD-10HSD MAX AT-ID6P1-HF-ID7P1	●The models in blue letters are the screwdrivers for light steel substrates and boards. It is recommended to use a 45mm long bit. Makita TD 0220-021D-061D-090D-110D-135D-134D-146D-134DX2-146DX2-134DSHX-160D-170D-138D-149D-136D-137D-146D-147D-148D TL 060D-061D TP 140D-131D-141D TS 131D-141D 6955-6963SPK DF 010D-030D-031D Panasonic EZ 75A7-75A1-7544-7207-6506-7545-7521-7520-7548-6507-7410-7411-7420-6220 Ryobi BD-361 BID-1100-180-1810-1228-1229-1250-1260-1415-1416-1417-1418-143-1440-145-1805-1806 CID-1100 ID-140 Tonichi AUR5N MAX PJ-ID144-SD101 Yokota YBX-50B		
	M-A16	66P			Yokota YLa60B-70B-80B YLT50B-60B-70B-60BL-70BL Y-40SB-41B-46B YX-80B-180B-180SB-280B-380B-500B-180SB-280SB-380SB-500SB YBX-50B YD-400SCB-4.5LBZ-6WBZK-600SBZ-40PBZ-4.5PBZK-600PBZ-650PBZ-65PTBZ-65PBZ-670B-670B-F-670B-R-670B-RF	
	D81					
	V	66P 67P			Yokota YLa60B-70B-80B YLT50B-60B-70B-60BL-70BL Y-40SB-41B-46B YX-80B-180B-180SB-280B-380B-500B-180SB-280SB-380SB-500SB YBX-50B YD-400SCB-4.5LBZ-6WBZK-600SBZ-40PBZ-4.5PBZK-600PBZ-650PBZ-65PTBZ-65PBZ-670B-670B-F-670B-R-670B-RF	
	A20	67P				Yokota YLa60B-70B-80B YLT50B-60B-70B-60BL-70BL Y-40SB-41B-46B YX-80B-180B-180SB-280B-380B-500B-180SB-280SB-380SB-500SB YBX-50B YD-400SCB-4.5LBZ-6WBZK-600SBZ-40PBZ-4.5PBZK-600PBZ-650PBZ-65PTBZ-65PBZ-670B-670B-F-670B-R-670B-RF
	A20-5					
	SB	68P			Yokota YLa60B-70B-80B YLT50B-60B-70B-60BL-70BL Y-40SB-41B-46B YX-80B-180B-180SB-280B-380B-500B-180SB-280SB-380SB-500SB YBX-50B YD-400SCB-4.5LBZ-6WBZK-600SBZ-40PBZ-4.5PBZK-600PBZ-650PBZ-65PTBZ-65PBZ-670B-670B-F-670B-R-670B-RF	
	MA20					
	MA20S	86P			Yokota YLa60B-70B-80B YLT50B-60B-70B-60BL-70BL Y-40SB-41B-46B YX-80B-180B-180SB-280B-380B-500B-180SB-280SB-380SB-500SB YBX-50B YD-400SCB-4.5LBZ-6WBZK-600SBZ-40PBZ-4.5PBZK-600PBZ-650PBZ-65PTBZ-65PBZ-670B-670B-F-670B-R-670B-RF	
	HA					
	HAM	87P			Yokota YLa60B-70B-80B YLT50B-60B-70B-60BL-70BL Y-40SB-41B-46B YX-80B-180B-180SB-280B-380B-500B-180SB-280SB-380SB-500SB YBX-50B YD-400SCB-4.5LBZ-6WBZK-600SBZ-40PBZ-4.5PBZK-600PBZ-650PBZ-65PTBZ-65PBZ-670B-670B-F-670B-R-670B-RF	
	HD-71 × 45					
 H 6.35 mm	D830082 D831045 D831075 D832075 D832100 D832150	108P	Panasonic EZ 6220-6225-7410-7411 Ryobi D-500			
 H 8 mm	A15	68P	VESSEL GT-P8D-P10SII-P80XD Hitachi Koki WH 14DA Panasonic EZ6680			
 H 8 mm	A19	68P			VESSEL GT-P8D-P10SII-P80XD Hitachi Koki WH 14DA Panasonic EZ6680	
	V5					



No. A14 Double End Bit

- If one end breaks, the other end can be used.
- A wide variety of bits according to different heat treatment.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 1× 45	H	10	100	413029
65	H	10	100	413031
65	G	10	100	413032
110	H	10	100	413231
110	G	10	100	413232
⊕ 2× 45	X	10	100	413039
45	H	10	100	413041
45	G	10	100	413040
65	X	10	100	413047
65	H	10	100	413042
65	G	10	100	413043
65	E	10	100	413045
110	X	10	100	413262
110	H	10	100	413241
110	G	10	100	413242
110	E	10	100	413243
150	X	10	100	413263
150	H	10	100	413245
150	G	10	100	413246
150	E	10	100	413247
200	X	10	150	413264
200	H	10	150	413249
200	G	10	150	413248
200	E	10	150	413250
300	G	10	100	413255
⊕ 3× 45	H	10	100	413051
45	E	10	100	413050
65	X	10	100	413054
65	H	10	100	413052
65	E	10	100	413053
110	H	10	100	413252
110	E	10	100	413251

No. A14P Double End Bit (Power tip)

- If one end breaks, the other end can be used.
- Well balanced combination between tip precision and strength.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2× 65	H	10	100	415331
110	H	10	100	415333
150	H	10	100	415334

No. A14H TAPPING Bit (High power tip)

- If one end breaks, the other end can be used.
- Reinforced tip for tapping work.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2× 65	H	10	100	413351
110	H	10	100	413355
150	H	10	100	413359

No. M-A14 Double End Bit (Magnetized)

- If one end breaks, the other end can be used.
- Strongly magnetized.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 1× 45	H	10	100	413401
65	H	10	100	413402
110	H	10	100	413407
⊕ 2× 45	H	10	100	413403
45	G	10	100	413404
65	H	10	100	413405
65	G	10	100	413406
110	H	10	100	413408
110	G	10	100	413411
150	H	10	100	413409

No. A14B TAPPING Bit (Black tip)

- If one end breaks, the other end can be used.
- Reinforced tip for tapping work.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2× 50	S	10	100	413141
75	S	10	100	413142
100	S	10	100	413341
150	S	10	100	413342

No. AZ14 GIZA Bit

PAT.

- If one end breaks, the other end can be used.
- Jagged tip prevents cam-out.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2× 65	H	10	100	413360
110	H	10	100	413361

No. AS14 SLENDER Bit

- If one end breaks, the other end can be used.
- Tapered tip allows for easy view.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 1× 65	H	10	100	413367
⊕ 2× 45	H	10	100	413366
65	H	10	100	413364
110	H	10	100	413365

 H 6.35 mm

No. A14 Square Double End Bit

- If one end breaks, the other end can be used.
- Specially-shaped tip prevents the bit from getting stuck.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
SQ 1× 65	H	10	100	413380
SQ 2× 65	H	10	100	413381
110	H	10	100	413383
★ SQ 3× 65	H	10	100	413385
110	H	10	100	413382
150	H	10	100	413384
150	H	10	100	413386

No. A14R Square Double End Bit

- If one end breaks, the other end can be used.
- With a ring attached preventing the bit from getting stuck.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
★ SQ 1× 65	H	10	100	413387
★ SQ 2× 65	H	10	100	413388
★ 110	H	10	100	413389
★ 150	H	10	100	413390
★ SQ 3× 65	H	10	100	413391
★ 110	H	10	100	413392
★ 150	H	10	100	413393

No. A14 SUPADRIV Bit

- SUPADRIV systems are patented and registered as the trademark of EIS corp. in U.K.
- VESSEL has a manufacturing license in Japan and selling same to the world.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
SDV1× 65	H	10	100	636101
SDV2× 45	H	10	100	636105
65	H	10	100	636106
SDV3× 65	H	10	100	636111

 H 6.35 mm

No. AL14 ALFA Bit

- If one end breaks, the other end can be used.
- Modest torsion effect created by tempering treatment on the ball grooves.

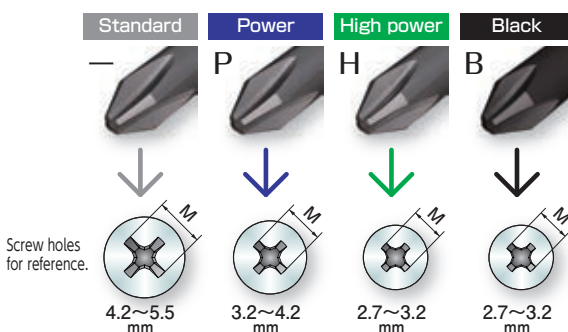
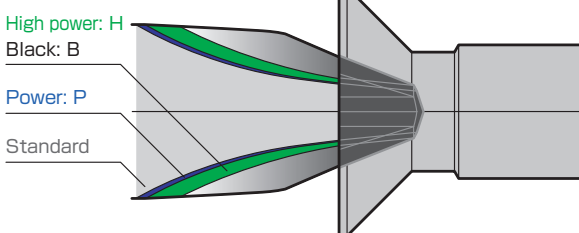


Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2× 65	H	10	100	413369
110	H	10	100	413370

One point

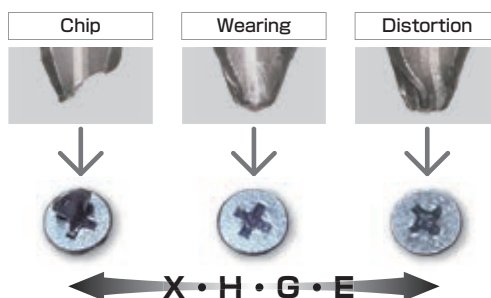
Bit selection I

- Selecting Phillips tip suitable for screw head hole



* M dimension : the size of a cross recess on a screw head viewed from directly above

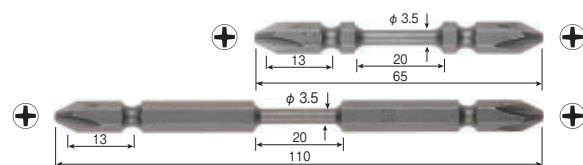
- Selecting Phillips tip according to hardness classification





No. AT14 TORSION Bit

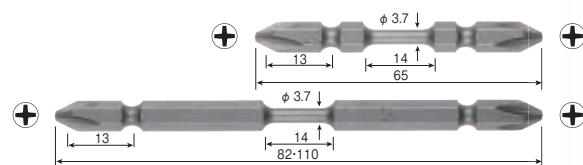
- If one end breaks, the other end can be used.
- For soft joint such as wood screws.



Size Tip×φ×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2×3.5× 65	H	10	100	413143
110	H	10	100	413144

No. AT14P TORSION Bit (Power tip)

- If one end breaks, the other end can be used.
- For hard joint such as drill screws.

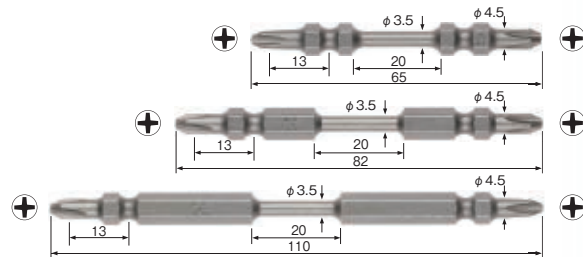


Size Tip×φ×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2×3.7× 65	X	10	100	415361
82	X	10	100	415362
110	X	10	100	415363

No. ST14 SLENDER TORSION Bit

PAT.

- If one end breaks, the other end can be used.
- Thin tip allows for easy view. For soft joint such as wood screws.

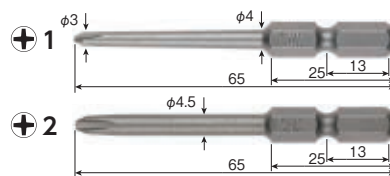


Size Tip×φ×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 1×3.5× 65	H	10	100	413374
⊕ 2×3.5× 65	H	10	100	413375
82	H	10	100	413377
110	H	10	100	413376



No. A16 Recessed Bit

- Recessed type. Thin shank allows for use in narrow spaces.

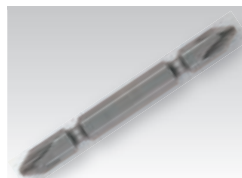


Size Tip×φ×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 1×3 × 65	H	10	100	415061
⊕ 2×4.5× 65	H	10	100	415066

One point

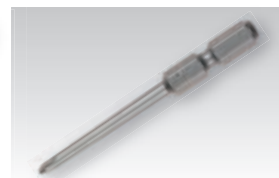
Bit selection II

- Selection according to bit shapes



Double End Bit

If one end breaks, the other end can be used.



Recessed Bit / Bit

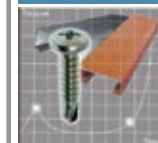
Thin shank improves workability in narrow spaces.

- Selection according to torsion effect

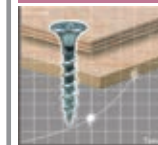


Impact is absorbed by the torsion effect at the slot part which receives tempering treatment.

Hard Joint

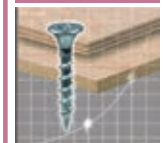


Soft Joint



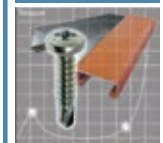
Impact is absorbed by the torsion part (φ3.5 × 20mm).

Soft Joint



Impact is absorbed by the torsion part (φ3.7 × 14mm).

Hard Joint



Hard Joint

When an instantaneous impact is given when the head of drill screw and tapping screw is fully seated

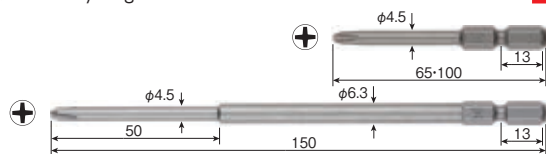
Soft Joint

When load is gradually increased such as in fastening wood screws



No. M-A16 Recessed Bit (Magnetized)

- Recessed type. Thin shank allows for use in narrow spaces.
- Powerfully magnetized.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
2×4.5×65	H	10	100	415311
100	H	10	100	415312
150	H	10	100	415313

No. A16 Hex Bit

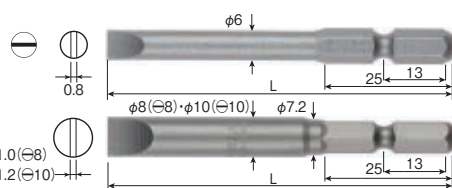
- For assembly work focusing on workability.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
H 2×65	H	10	100	481090
110	H	10	100	481100
2.5×65	H	10	100	481091
110	H	10	100	481101
3×65	H	10	100	481092
110	H	10	100	481102
4×65	H	10	100	481093
110	H	10	100	481103
5×65	G	10	100	481094
110	G	10	100	481104
6×65	G	10	100	481096
110	G	10	100	481105

No. A16 Recessed Bit

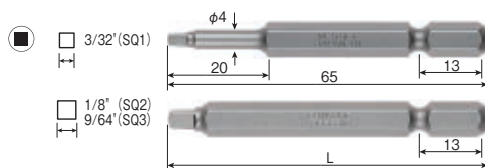
- For assembly work focusing on workability.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
6×45	G	10	100	415071
70	G	10	100	415072
8×45	G	10	300	415171
70	G	10	250	415172
10×52	G	10	200	415271
70	G	10	200	415272

No. A16 Square Bit

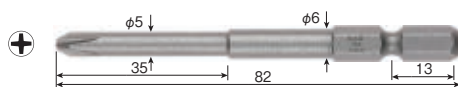
- For assembly work focusing on workability.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
SQ 1×4×65	H	10	100	481001
SQ 2×65	H	10	100	481002
110	H	10	100	481005
150	H	10	100	481008
SQ 3×65	H	10	100	481003
110	H	10	100	481006
150	H	10	100	481009

No. D81 Recessed Bit

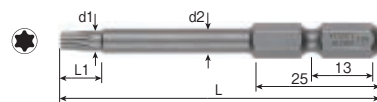
- Recessed type. Thin shank allows for use in narrow spaces.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
2×82	X	10	100	482040
82	H	10	100	482041
82	E	10	100	482042

No. V TORX Bit

- For TORX screws used in the automotive industry.



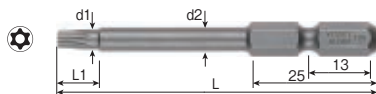
Size Tip×Overall Length (mm)	d1	L1	d2	(mm)	Inner Ctn.	EDP No.
T6 × 65	1.65	1.95	6.5	4.0	10	634997
110	1.65	1.95	6.5	4.0	10	634998
T8 × 65	2.3	2.60	7.0	4.5	10	634999
110	2.3	2.60	7.0	4.5	10	635000
T10× 65	2.72	3.02	7.5	4.5	10	635120
110	2.72	3.02	7.5	4.5	10	635121
T15× 65	3.26	3.56	7.5	4.5	10	635125
110	3.26	3.56	7.5	4.5	10	635126
T20× 65	3.84	4.14	7.5	5.0	10	635130
110	3.84	4.14	7.5	5.0	10	635131
T25× 65	4.4	4.70	8.0	5.0	10	635135
110	4.4	4.70	8.0	5.0	10	635136
T27× 65	4.96	5.26	8.0	5.5	10	635140
110	4.96	5.26	8.0	5.5	10	635141
T30× 65	5.49	5.79	8.5	6.0	10	635145
110	5.49	5.79	8.5	6.0	10	635146
T40× 65	6.6	H6.35	—	H6.35	10	635150
110	6.6	H6.35	—	H6.35	10	635151

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VESSEL has a manufacturing license in Japan and selling same to the world.



No. V TORX Bit (Tamper-Proof)

- For TORX screws used in the automotive industry.
- With a round hole for tamper-proof.

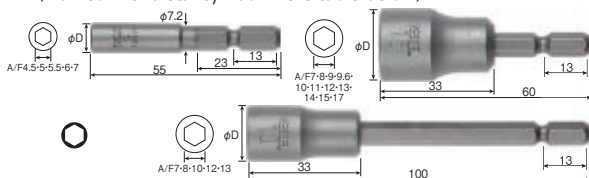


Size Tip×Overall Length (mm)		d1	L1	d2	Inner Ctn.	EDP No.
T8H × 65	2.3	2.60	7.0	4.5	10	635032
110	2.3	2.60	7.0	4.5	10	635033
T10H× 65	2.72	3.02	7.5	4.5	10	635001
110	2.72	3.02	7.5	4.5	10	635002
T15H× 65	3.26	3.56	7.5	4.5	10	635005
110	3.26	3.56	7.5	4.5	10	635006
T20H× 65	3.84	4.14	7.5	5.0	10	635010
110	3.84	4.14	7.5	5.0	10	635011
T25H× 65	4.4	4.70	8.0	5.0	10	635015
110	4.4	4.70	8.0	5.0	10	635016
T27H× 65	4.96	5.26	8.0	5.5	10	635020
110	4.96	5.26	8.0	5.5	10	635021
T30H× 65	5.49	5.79	8.5	6.0	10	635025
110	5.49	5.79	8.5	6.0	10	635026
T40H× 65	6.6	H6.35	—	H6.35	10	635030
110	6.6	H6.35	—	H6.35	10	635031

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No. A20 Socket Bit

- Socket bit for assembly.
- Strong resistance to shank breakage with press-fit method.
(Marked with a star symbol in the table below)

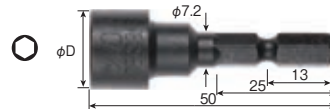


Size Tip×Overall Length (mm)	φD (mm)	Hole depth (mm)	Inner Ctn.	Outer Ctn.	EDP No.
A/F 4.5× 55	7.5	20	10	250	416080
5 × 55	8.5	20	10	250	416081
5.5× 55	9	20	10	250	416082
100	9	25	10	250	416281
6 × 55	10	20	10	200	416083
100	10	25	10	200	416282
7 × 11× 55	11	20	10	200	416084
100	11	25	10	150	416280
7 × 60 ☆	13.5	22	10	200	416095
100 ☆	13.5	25	10	150	416283
8 × 60 ☆	13.5	22	10	200	416085
100 ☆	13.5	22	10	150	416284
9 × 60 ☆	15	22	10	150	416086
9.6× 60 ☆	15	22	10	150	416087
10 × 60 ☆	16	22	10	150	416088
100 ☆	16	22	10	100	416286
11 × 60 ☆	17	22	10	150	416089
12 × 60 ☆	18	22	10	100	416090
100 ☆	18	22	10	100	416287
13 × 60 ☆	19	22	10	100	416091
100 ☆	19	22	10	50	416288
14 × 60 ☆	20	22	10	100	416092
15 × 60 ☆	21	22	10	50	416093
17 × 60 ☆	23	22	10	50	416094

☆---Press-fit type

No. A20-5 Socket Bit

- Short type socket bit to use in narrow spaces, such as on the periphery of automobile engines.

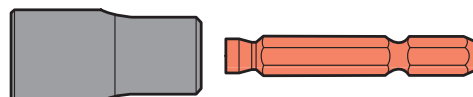


Size Tip×Overall Length (mm)	φD (mm)	Drilling holes depth (mm)	Inner Ctn.	Outer Ctn.	EDP No.
A/F 10× 50	16	10	10	150	416396

One point

Features of press-fit type sockets

(Press-fit type: marked with a star symbol in the table of each model)



MEDIUM HARDNESS
Improves durability of socket

HIGH HARDNESS
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 shank against twisting, resulting in higher durability.

Prevents shank breakage

Torsion moment with a static torque

Normal type

75
N·m

Press-fit type

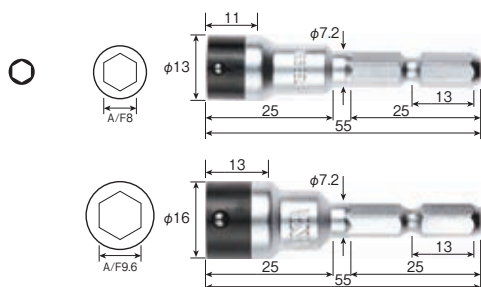
107
N·m



H 6.35 mm

No. SB Nut Setter (Ball Lock)

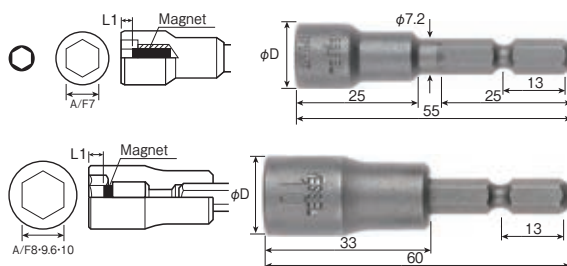
- Socket bit for Hex screws.
- Ball-lock type for minimum cutting particles.



Size Tip×Overall Length	Inner Ctn. (mm)	Outer Ctn.	EDP No.
A/F 5/16"(8mm) × 55(For screw dia. 5mm)	5	50	482531
A/F 3/8"(9.6mm) × 55(For screw dia. 6mm)	5	50	482532

No. MA20 Socket Bit (Press-Fit Magnet)

- Socket bit for Hex screws.
- Holds the screw with a strong magnet, to prevent the screws from dropping.



Size Tip×Overall Length	(mm)	φD	L1	Inner Ctn. (mm)	Outer Ctn.	EDP No.
A/F 7 × 55 (For screw dia. of 4mm)		13	2.5	10	200	482510
A/F 8 × 60 (For screw dia. of 5mm)	☆	13.5	3.17	10	150	482511
A/F 9.6× 60 (For screw dia. of 6mm)	☆	15	3.96	10	150	482512
A/F 10 × 60 (For screw dia. of 6mm)	☆	16	3.96	10	150	482513

☆Press-fit type.

No. MA20S Socket Bit (Side Magnet)

- Socket bit for Hex screws.
- Holds the screw with side magnet, to prevent the screws from dropping.



Size Tip×Overall Length	(mm)	φD	Drilling holes depth	Inner Ctn.	Outer Ctn.	EDP No.
A/F 5/16"(8mm)× 55		13	20	10	100	482401
A/F 3/8"(9.6mm)× 55		16	20	10	100	482402
A/F 10mm× 55		16	20	10	100	482403



H 8 mm

No. A15 Double End Bit

- If one end breaks, the other end can be used.
- High strength with 8mm hexagonal shank.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2× 65	G	10	250	414041
110	G	10	150	414042
⊕ 3× 65	E	10	250	414051
110	E	10	150	414052



H 8 mm

No. A19 Hex Bit

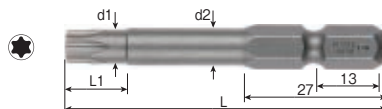
- For assembly work focusing on workability.
- High strength with 8mm hexagonal shank.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
H 5× 65	G	10	250	481191
6× 65	G	10	250	481192
130	G	10	100	481196
8× 65	G	10	250	481193
130	G	10	100	481197
10× 65	S	10	200	481194
130	S	10	100	481198

No. V5 TORX Bit

- For TORX screws used in the automotive industry.
- High strength with 8mm hexagonal shank.



Size Tip×Overall Length (mm)	d1	L1	d2	(mm)	Inner Ctn.	EDP No.
T25× 65	4.4	4.70	10.0	6.0	10	635215
110	4.4	4.70	10.0	6.0	10	635216
T27× 65	4.96	5.26	11.5	6.5	10	635220
110	4.96	5.26	11.5	6.5	10	635221
T30× 65	5.49	5.79	11.5	6.5	10	635225
110	5.49	5.79	11.5	6.5	10	635226
T40× 65	6.6	6.90	11.5	7.5	10	635230
110	6.6	6.90	11.5	7.5	10	635231
T45× 65	7.77	8.0	—	8.0	10	635235
110	7.77	8.0	—	8.0	10	635236
T50× 65	8.79	H8	—	H8	10	635240
110	8.79	H8	—	H8	10	635241

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No. B35

Bit Type B

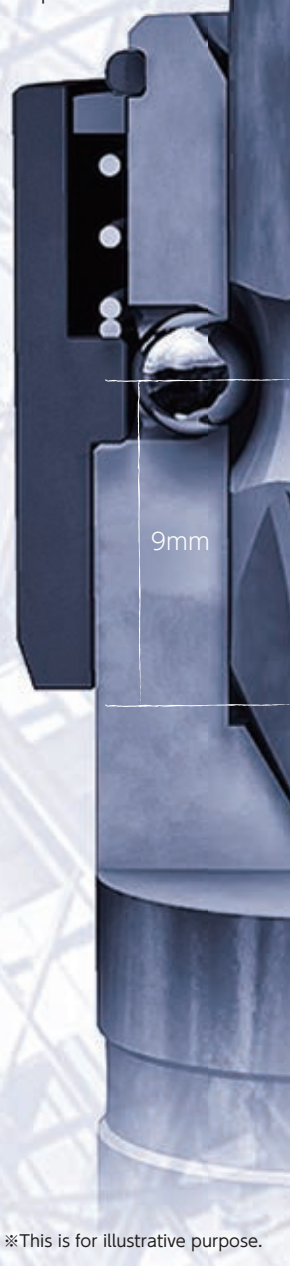
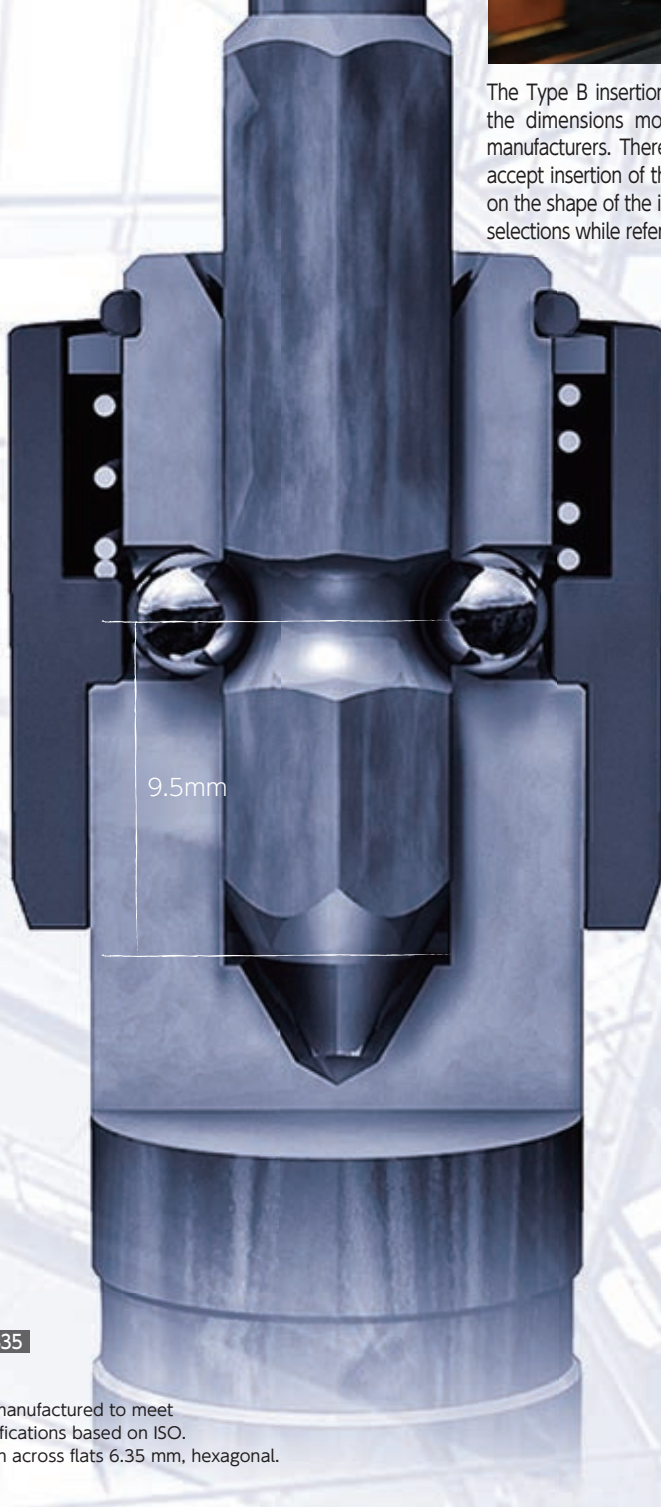


The Type B insertion entry is designed to work with the dimensions most commonly used by air tool manufacturers. There are some models that will not accept insertion of the double-head types, depending on the shape of the insertion chuck. Please make your selections while referring to the specifications table.



No. B35
Bit

Bits manufactured to meet specifications based on ISO.
Width across flats 6.35 mm, hexagonal.



※This is for illustrative purpose.

HAND TOOLS

BITS & SOCKETS

ELECTRIC TOOLS

AIR TOOLS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

Applicable models

Please check the model No. of your drivers before determining which bit(s) to choose.

Shape	Model No.	Page	Applicable models	
			 Air Screwdriver	 Electric Screwdriver
 H 5 mm	B36	71P	VESSEL GT-S5TFR-S5TFB-S5TFG-S4TFR-S4TFS-S4TFG Uryu US-40-3.5A-4-4PB/ US-LT○○A/AL series Yokota YD-3-4-400SC	VESSEL VE-4000-4000P-4500-4500P
 H 5 mm	B34	71P	VESSEL GT-S4TFR-S4TFS-S4TFG-S5TFR-S5TFB-S5TFG Uryu US-40-3.5A-4-4PB (Except B44 Socket Bit Overall Length 70mm) US-LT○○A/AL series Yokota YD-3-4-400SC	VESSEL VE-4000-4000P-4500-4500P Hios PG-7000, BLG-5000BC1/-15/-20/-HT BLG-5000/-15/-20/HT, BL-5000/-15/-20-5020-7000/-20 CL-4000-6000-6500-7000 SS-4000-6500-7000, α-4500-5000-6500 CD-4000-5000-6000-7000 VB-1510/-18-1820-3012-2008-3020 VZ-1510-1812-1820-3012-3007 Delvo DLV ○○○○-EJN/-DJN/-DJE DLV 7(8)120-SPC-7(8)130-SPC-7(8)140-SPC- 7(8)241-SPC-7(8)231-SPC DLV 30LL(P)-SPC-30SL(P)-SPC-30HL(P)-SPC Hitachi Koki WT 3G/3GP-4G/4GP-5G/5GP Kanon 3K-120L-180L-180LF-120P-180P-180PF 9K-130P-140P-130PF-131L-131LF-131P-131PF 5KD-200-300 Panasonic FE-A310S-A310MH-A310L-A111L-A111MH-A111M-A710AXN-A710MHN
	N			
	B44			
 H 6.35 mm	B43	72P	Uryu UX-U-UW-ALPHA-UL-UEP-UAT-UA-UDP all driver type US-350W-450WB-5-50-5PB-○○W/PW-LT○○B/BL/PB	Yokota YBX-50A
	M-B43			Tonich AUR5N-U (Except U1000CN) -UR-DU
	B43P		NPK ND-○○○X, NPW-○○○X	●Following Tool models are applicable only for the single end bits.
	B43H		Fuji Kuki FLT series D-1-D-2	Hios PG-7000
	B43B		FPT series D-1, FL series D-1, FPW series D-1 FW series D-1-D-2-D-6-D-7-D-8, FD series D-4-D-5	BLG-4000BC1-5000BC1/-15/-20/-HT BLG-4000-5000/-15/-20/HT BL-3000-5000/-15/-20-5020-7000/-20 CL-4000-6000-6500-7000-9000 SS-4000-6500-7000 α-4500-5000-6500 CD-4000-5000-6000-7000 VB-1510/-18-1820-3012-4504-2008-3020 VBH-1820-3012 VZ-1510-1812-1820-3012-3007-4504-4506 VZH-1820-3012
	BT43	73P	Yutani D-6SPBL-5WPB-6WSPB-6WSPB-600SHEB- 604B-8WPE-6SSBEL-6WSHSH DH-6PL-4.5PEB-6PLE-4.5SB-6SELB HPW-4D-6D-6αD-8αD-4SD-6SD-6αSD	Delvo DLV ○○○○-EKN/-DKN/-DKE DLV 8150-SPC-7(8)251-SPC DLV 45LL(P)-SPC-45SL(P)-SPC-70LL(P)-SPC
 H 6.35 mm	BT43P			Uryu UDBP-AF-TA-A
	B35	73P ~76P	Yokota TKa60A-70A-80A YEX-120A-150A-501A-100SA-120SA-150SA- 300SA-500SA YLa60A-70A-80A YLT50A-60A-70A-60AL-70AL Y-40SA-41A-46A YX-80A-180A-280A-380A-500A-280A-380A- 500A-180SA-280SA-380SA-500SA-280CA-500CA YBX-50A YD-400SCA-500SCA-5PHCA-3A-4A-4.5SZ-5A- 4.5LAZ-6WAZK-600SZ-40PZ-4.5PZK-600PZ- 650PZ-65PTZ-65PZ-670A-670A-F-670A-R-670A-RF	Kanon 9K-150P
	J	74, 75P		
	IP	75P		
	X5000	76P		
	B45	77P		
	MB45			
	MB45S	78P		
	MB45D		Atlas-Copco LUM-LUF-LUD-TWIST-COMBI series	
	HB	86P		
	HBM			
	DBHM	87P		
	MMBC	88P		
 H 6.35 mm	B39	76P	VESSEL GT- H4RC-H5RC-S6CD-PLRC Uryu US-3.5ACB-4CA-5CA- LT30B-○○C-LT40B-○○C Yutani D-6WHCL Yokota YD-600L YX-280CA-500CA	Kanon (Old model) CN 60LTDK~N 10LTDK(N6~N100LTDK) CN 60STDK~N 10STDK(N6~N100STDK) CN 100~CN 500DPSK(N10~N50DPSK) CN 100~CN 500DPSK-L(N10~N50DPSK(II)) CN 15/CN 30LTDK-H(N1.5/N3LTDK-H) DTDK-CN 500EXL(DDTK-N5EXL)

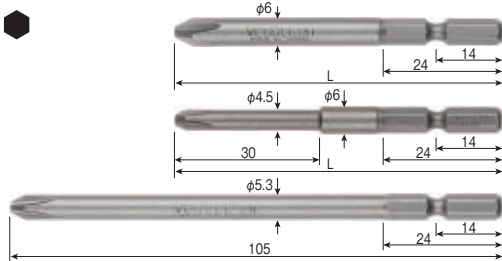


Manual type Torque Screwdriver



No. B34 Bit

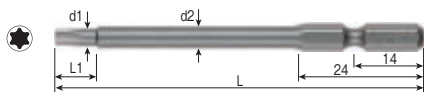
- For assembly work focusing on workability.
- Hexagonal shape with the width across flats of 5mm is also suited for electric drivers.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 1 × 70	H	10	100	422031
100	H	10	100	422032
150	H	10	100	422033
⊕ 1 × 4 × 70	H	10	100	422048
⊕ 1 × 4 × 30 × 70	H	10	100	446335
⊕ 1 × 5.3 × 105	H	10	100	422034
* 120	X	10	100	422040
120	H	10	100	422035
⊕ 2 × 70	H	10	100	422041
100	H	10	100	422042
120	H	10	100	422045
150	H	10	100	422043
200	H	10	100	422044
⊕ 2 × 3 × 30 × 75	H	10	100	446340
⊕ 2 × 4.5 × 70	H	10	100	422049
⊕ 2 × 5.3 × 105	H	10	100	422046
120	H	10	100	422047
H 2 × 70	H	10	100	422071
H 2.5 × 70	H	10	100	422072
H 3 × 70	H	10	100	422073
H 4 × 70	H	10	100	422074
H 5 × 70	H	10	100	422075

No. N TORX Bit

- For TORX screws popular in the automotive industry.

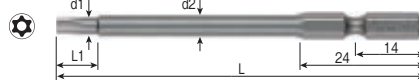


Size Tip×Overall Length (mm)	d1	L1	d2	(mm)	Inner Ctn.	EDP No.
T5 × 75	1.37	1.67	6.5	4.0	10	635498
100	1.37	1.67	6.5	4.0	10	635499
T6 × 75	1.65	1.95	6.5	4.0	10	635500
100	1.65	1.95	6.5	4.0	10	635501
T8 × 75	2.3	2.60	7.0	4.5	10	635505
100	2.3	2.60	7.0	4.5	10	635506
T10 × 75	2.72	3.02	7.5	4.5	10	635510
100	2.72	3.02	7.5	4.5	10	635511
T15 × 75	3.26	3.56	7.5	4.5	10	635515
100	3.26	3.56	7.5	4.5	10	635516
T20 × 75	3.84	4.14	7.5	5.0	10	635520
100	3.84	4.14	7.5	5.0	10	635521
T25 × 75	4.4	4.70	8.0	5.0	10	635525
100	4.4	4.70	8.0	5.0	10	635526
T27 × 75	4.96	5.26	8.0	5.5	10	635530
100	4.96	5.26	8.0	5.5	10	635531

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.

No. N TORX Bit (Tamper-Proof)

- For TORX screws popular in the automotive industry.
- With a round hole for tamper-proof.

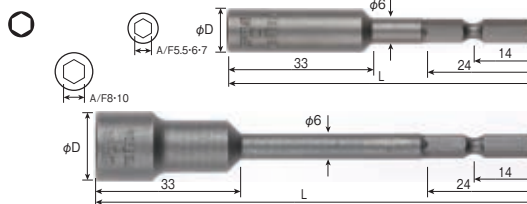


Size Tip×Overall Length (mm)	d1	L1	d2	(mm)	Inner Ctn.	EDP No.
T10H × 75	2.72	3.02	7.5	4.5	10	635551
100	2.72	3.02	7.5	4.5	10	635552
T15H × 75	3.26	3.56	7.5	4.5	10	635553
100	3.26	3.56	7.5	4.5	10	635554
T20H × 75	3.84	4.14	7.5	5.0	10	635555
100	3.84	4.14	7.5	5.0	10	635556
T25H × 75	4.4	4.70	8.0	5.0	10	635557
100	4.4	4.70	8.0	5.0	10	635558

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No. B44 Socket Bit

- Socket bit for Hex screws.



Size Tip×Overall Length (mm)	φD	Drilling holes depth	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
A/F 5.5 × 70	9	25		10	250	422371
100	9	25		10	250	422381
6 × 70	10	25		10	200	422372
100	10	25		10	200	422382
7 × 70	11	25		10	200	422373
100	11	25		10	150	422383
8 × 70	13	25		10	200	422374
100	13	25		10	150	422384
10 × 100	16	25		10	100	422385



No. B36 Double End Bit

- If one end breaks, the other end can be used.
- For assembly work focusing on workability.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 1 × 70	H	10	100	423031
100	H	10	100	423032
⊕ 2 × 70	H	10	100	423041
100	H	10	100	423042
150	H	10	100	423043
200	H	10	100	423044

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No. B43 Double End Bit

- If one end breaks, the other end can be used.
- For assembly work focusing on workability.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 1× 75	H	10	100	425032
⊕ 2× 50	X	10	100	425036
50	H	10	100	425037
50	E	10	100	425038
75	X	10	100	425039
75	H	10	100	425040
75	G	10	100	425041
75	E	10	100	425042
100	X	10	100	425046
100	H	10	100	425047
100	G	10	100	425043
100	E	10	100	425044
150	X	10	100	425048
150	H	10	100	425049
150	G	10	100	425045
200	G	10	100	425050
300	H	10	100	446373
⊕ 3× 75	H	10	100	425054
75	E	10	100	425055
100	H	10	100	425057
100	E	10	100	425058
150	H	10	100	446375

No. M-B43 Double End Bit (Magnetized)

- If one end breaks, the other end can be used.
- For assembly work focusing on workability.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2× 75	H	10	100	446669
100	H	10	100	446672
150	H	10	100	446673

No. B43P Double End Bit (Power tip)

- If one end breaks, the other end can be used.
- Well balanced combination between tip precision and strength.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2× 75	H	10	100	425171
100	H	10	100	425172

No. B43H TAPPING Bit (High power tip)

- If one end breaks, the other end can be used.
- Reinforced tip for tapping work.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2× 75	H	10	100	425151
100	H	10	100	425153
150	H	10	100	425155

No. B43B TAPPING Bit (Black tip)

- If one end breaks, the other end can be used.
- Reinforced tip for tapping work.

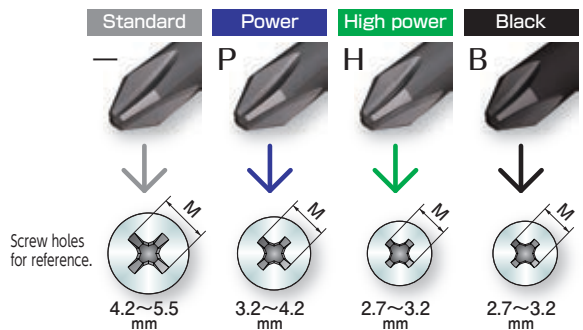
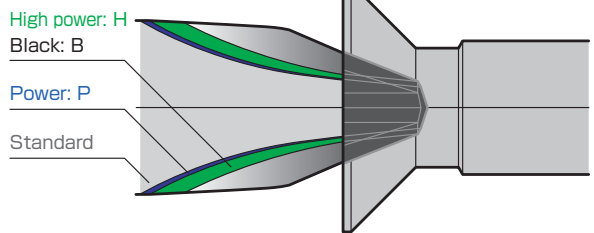


Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2× 50	S	10	100	425141
75	S	10	100	425142
100	S	10	100	425143
150	S	10	100	425144

One point

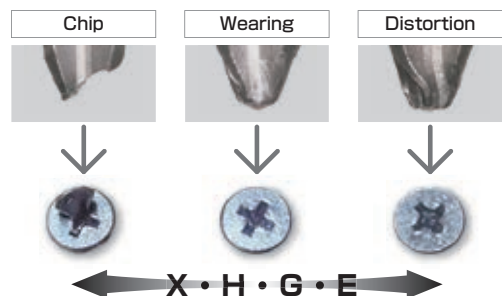
Bit selection I

- Selecting Phillips tip suitable for screw head hole



* M dimension : the size of a cross recess on a screw head viewed from directly above

- Selecting Phillips tip according to hardness classification

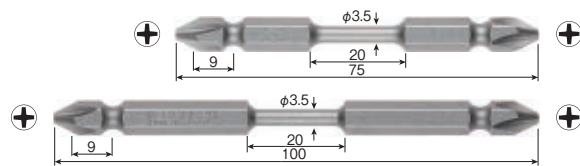


← X · H · G · E →



No. BT43 TORSION Bit

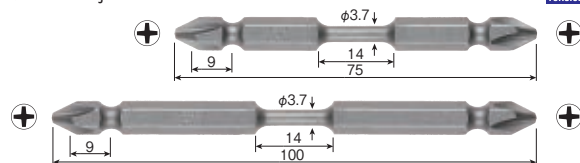
- If one end breaks, the other end can be used.
- For soft joint such as wood screws.



Size Tip×φ×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2×3.5× 75	H	10	100	425161
100	H	10	100	425162

No. BT43P TORSION Bit (Power tip)

- If one end breaks, the other end can be used.
- For hard joint such as drill screws.

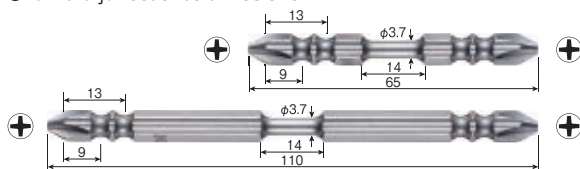


Size Tip×φ×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2×3.7× 75	X	10	100	425201
100	X	10	100	425202



No. RS SUPER TORSION bit

- If one end breaks, the other end can be used.
- Compatible with both A and B type chucks.
- For hard joint such as drill screws.



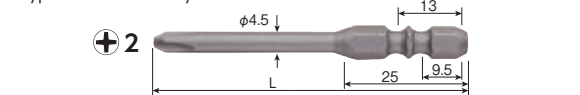
Model No.	Contents	Heat treatment classification	Package size (mm)	EDP No.
RS10P2065F	⊕2×φ3.7× 65 10pcs.	H	143×87×7	486948
RS10P2082F	⊕2×φ3.7× 82 10pcs.	H	143×87×7	486949
RS10P2110F	⊕2×φ3.7×110 10pcs.	H	162×87×7	486950

Inner Ctn.: 10 sets



No. M-AB16 Recessed Bit (Magnetized)

- Compatible with both A and B type chucks.
- Useful when using multiple fastening tools with different drive types in an assembly line.

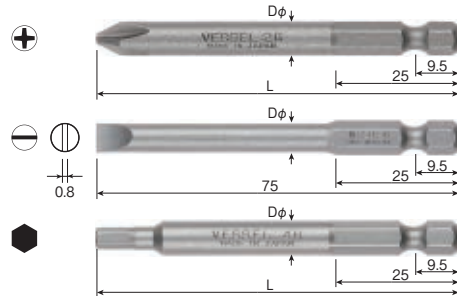


Size Tip×φ×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2×4.5× 65	H	10	100	415301
100	H	10	100	415302
150	H	10	100	415303



No. B35 Bit

- For assembly work focusing on workability.
- International standards compatible H 6.35mm (1/4")

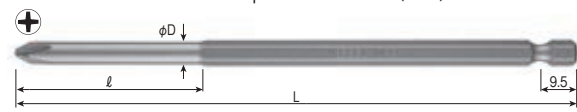


	Size Tip×Overall Length	Heat treatment classification	φD	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 1	× 50	H	7.0	10	100	424032
	75	X	7.0	10	100	424034
	75	H	7.0	10	100	424035
⊕ 1	×4.5×100	H	4.5	10	100	424036
⊕ 2	× 50	X	7.0	10	100	424061
	50	G	7.0	10	100	424040
	75	X	7.0	10	100	424062
	75	H	7.0	10	100	424047
	75	G	7.0	10	100	424041
	75	E	7.0	10	100	424042
	100	H	7.0	10	100	424048
	100	G	7.0	10	100	424043
	100	E	7.0	10	100	424044
	150	H	7.0	10	100	424049
	150	G	7.0	10	100	424045
	150	E	7.0	10	100	424046
⊕ 2	×4.5×100	H	4.5	10	100	424038
⊕ 3	75	H	7.0	10	100	424050
	75	E	7.0	10	100	424051
	100	H	7.0	10	100	424052
	100	E	7.0	10	100	424053
	150	G	7.0	10	100	424054
⊖ 6	× 75	E	6.0	10	100	424075
⊖ 6.35×0.97t×	49 (1524)	H	6.35	10	100	487245
⊖ 7.9×1.17t×	49 (1526)	H	7.92	10	100	487255
★ ⊖ 6.99×1.07t×	76 (1565)	H	6.99	10	100	446464
H 2	× 75	H	7.0	10	100	424080
	100	H	7.0	10	100	424081
H2.5	× 75	H	7.0	10	100	424082
	100	H	7.0	10	100	424083
	150	H	7.0	10	100	424093
H 3	× 75	H	7.0	10	100	424084
	100	H	7.0	10	100	424085
	150	H	7.0	10	100	424094
H 4	× 49 (21204)	H	4.6	10	100	487282
	75	H	7.0	10	100	424086
	100	H	7.0	10	100	424087
	150	H	7.0	10	100	424095
H 5	× 49 (21205)	H	5.8	10	100	487283
	75	G	7.0	10	100	424088
	100	G	7.0	10	100	424089
	150	G	7.0	10	100	424096
H 6	× 49 (21206)	H	—	10	100	487284
	75	G	7.0	10	100	424090
	100	G	7.0	10	100	424091
	150	G	7.0	10	100	424097
★ H 7	× 70 (1336/70)	G	7.0	10	100	489295
★ H 8	× 70 (1337/70)	G	7.0	10	100	489296
H 9	× 70 (1339/70)	G	7.0	10	100	489298



No. B35 Bit

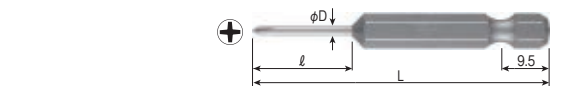
- For assembly work focusing on workability.
- International standards compatible H 6.35mm(1/4")



Model No.	Heat treatment classification	Tip	φD	ℓ	L	Inner Ctn.	Outer Ctn.	EDP No.
1092	H	⊕2	6.35	50	152	10	100	487208

No. B35 Bit

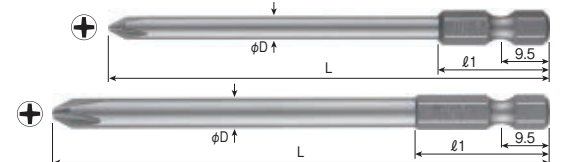
- For assembly work focusing on workability.
- International standards compatible H 6.35mm(1/4")



Model No.	Heat treatment classification	Tip	φD	ℓ	L	Inner Ctn.	Outer Ctn.	EDP No.
⊕00x1.2x20x60	H	⊕00	1.2	20	60	10	100	446126
⊕00x2x40x100	H	⊕00	2.0	40	100	10	100	446141
⊕0x1.4x30x60	H	⊕0	1.4	30	60	10	100	446145
⊕0x1.4x30x100	H	⊕0	1.4	30	100	10	100	446147
⊕0x2x20x60	H	⊕0	2.0	20	60	10	100	446153
⊕0x2x30x100	H	⊕0	2.0	30	100	10	100	446157

No. B35 Bit

- For assembly work focusing on workability.
- International standards compatible H 6.35mm(1/4")



Model No.	Heat treatment classification	Tip	φD	ℓ1	L	Inner Ctn.	Outer Ctn.	EDP No.
10600	H	⊕00	1.58	21	49	10	100	446423
1060	H	⊕0	3.17	21	49	10	100	487195
1081	H	⊕1	4.76	21	89	10	100	487202
★ 4301/150	H	⊕1	4.5	27	150	10	100	489672
4302/51	H	⊕2	6.0	27	51	10	100	489229
4302/100	H	⊕2	6.0	27	100	10	100	489255
4302/127	H	⊕2	6.0	27	127	10	100	446435
4302/150	H	⊕2	6.0	27	150	10	100	489673
4302/200	H	⊕2	6.0	27	200	10	100	446439
1062	H	⊕2	6.35	21	49	10	100	487205
1072	H	⊕2	6.35	21	70	10	100	487206
1082	H	⊕2	6.35	21	89	10	100	487207

No. B35 Bit

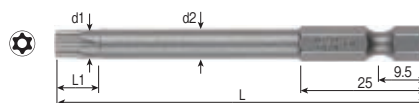
- For assembly work focusing on workability.
- International standards compatible H 6.35mm(1/4")



Model No.	Heat treatment classification	Tip	φD	ℓ1	L	Inner Ctn.	Outer Ctn.	EDP No.
1063	H	⊕3	8.0	25	49	10	100	487210
1073	H	⊕3	8.0	25	70	10	100	487211
1083	H	⊕3	8.0	25	89	10	100	487212
★ 4303/100	H	⊕3	8.0	25	100	10	100	489256

No. J TORX Bit (Tamper-Proof)

- For TORX screws used in the automotive industry.
- With a round hole for tamper-proof.



Model No.	mm	d1	L1	d2	Inner Ctn.	EDP No.
T6H × 75	1.65	1.95	6.5	4.0	10	635283
100	1.65	1.95	6.5	4.0	10	635284
T8H × 75	2.3	2.60	7.0	4.5	10	635285
100	2.3	2.60	7.0	4.5	10	635286
T10H × 49 (T10610H)	2.72	3.02	7.5	3.96	10	446533
70 (T10710H)	2.72	3.02	7.5	3.96	10	446544
75	2.72	3.02	7.5	4.5	10	635251
100	2.72	3.02	7.5	4.5	10	635252
T15H × 75	3.26	3.56	7.5	4.5	10	635255
100	3.26	3.56	7.5	4.5	10	635256
T20H × 49 (T10620H)	3.84	4.14	7.5	4.37	10	446535
70 (T10720H)	3.84	4.14	7.5	4.37	10	446546
75	3.84	4.14	7.5	5.0	10	635261
100	3.84	4.14	7.5	5.0	10	635262
T25H × 75	4.4	4.70	8.0	5.0	10	635265
100	4.4	4.70	8.0	5.0	10	635266
T27H × 75	4.96	5.26	8.0	5.5	10	635271
100	4.96	5.26	8.0	5.5	10	635272
T30H × 75	5.49	5.79	8.5	6.0	10	635275
100	5.49	5.79	8.5	6.0	10	635276
T40H × 75	6.6	—	—	7.0	10	635281
100	6.6	—	—	7.0	10	635282

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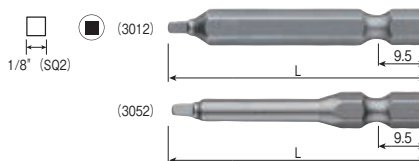
No. B35 Bit

- For assembly work focusing on workability.
- International standards compatible H 6.35mm(1/4")



Model No.	(mm)	φD	Inner Ctn.	EDP No.
⊕1x3/16"×100(41081)		4.76	10	446428
⊕2x3/16"×100(42081)		4.76	10	446429

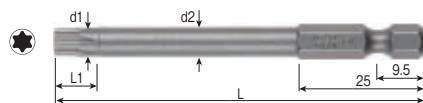
No. B35 Square Bit



Model No.	Heat treatment classification	Inner Ctn.	EDP No.
SQ2 ×49 (3012)	H	10	487292
SQ2 ×90 (3052)	H	10	487307

No. J TORX Bit

●For TORX screws used in the automotive industry.



Model No.	(mm)		d1	L1	d2 (mm)	Inner Ctn.	EDP No.	
T5 ×	49 (T10605)	1.37	1.67	6.5	3.18	10	446486	
	70 (T10705)	1.37	1.67	6.5	3.18	10	447355	
	89 (T10805)	1.37	1.67	6.5	3.18	10	447356	
T6 ×	75	1.65	1.95	6.5	4.0	10	635300	
	100	1.65	1.95	6.5	4.0	10	635301	
	152 (T10906)	1.65	1.95	6.5	3.18	10	447317	
T7 ×	70 (T10707)	1.97	2.27	6.5	3.18	10	446499	
	75	1.97	2.27	6.5	4.0	10	635303	
	90 (T10807)	1.97	2.27	6.5	3.18	10	446509	
	152 (T10907)	1.97	2.27	6.5	3.18	10	446519	
	T8 ×	49 (T10608)	2.3	2.6	7.0	3.18	10	446489
		70 (T10708)	2.3	2.6	7.0	3.18	10	446500
75		2.3	2.6	7.0	4.5	10	635305	
	90 (T10808)	2.3	2.6	7.0	3.18	10	446510	
	100	2.3	2.6	7.0	4.5	10	635306	
	152 (T10908)	2.3	2.6	7.0	3.18	10	446520	
T9 ×	70 (T10709)	2.5	2.78	7.0	3.18	10	446501	
	90 (T10809)	2.5	2.78	7.0	3.18	10	446511	
	152 (T10909)	2.5	2.78	7.0	3.18	10	446521	
T10×	49 (T10610)	2.72	3.02	7.5	3.96	10	446491	
	70 (T10710)	2.72	3.02	7.5	3.96	10	446502	
	75	2.72	3.02	7.5	4.5	10	635310	
	100	2.72	3.02	7.5	4.5	10	635311	
	152 (T10910)	2.72	3.02	7.5	3.96	10	446522	
	T15×	49 (T10615)	3.26	3.56	7.5	3.96	10	446492
70 (T10715)		3.26	3.56	7.5	3.96	10	446503	
75		3.26	3.56	7.5	4.5	10	635315	
	90 (T10815)	3.26	3.56	7.5	3.96	10	446513	
	100	3.26	3.56	7.5	4.5	10	635316	
	152 (T10915)	3.26	3.56	7.5	3.96	10	446523	
T20×	49 (T10620)	3.84	4.14	4.75	4.37	10	446493	
	70 (T10720)	3.84	4.14	4.75	4.37	10	446504	
	75	3.84	4.14	7.5	5.0	10	635320	
	100	3.84	4.14	7.5	5.0	10	635321	
	152 (T10920)	3.84	4.14	7.5	4.37	10	446524	
	T25×	70 (T10725)	4.4	4.7	8.0	5.0	10	446505
75		4.4	4.7	8.0	5.0	10	635325	
100		4.4	4.7	8.0	5.0	10	635326	
	152 (T10925)	4.4	4.7	8.0	4.75	10	446525	
	T27×	75	4.96	5.26	8.0	5.5	10	635330
		100	4.96	5.26	8.0	5.5	10	635331
152 (T10927)		4.96	5.26	8.0	6.35	10	446526	
T30×	70 (T10730)	5.49	5.79	8.5	6.35	10	446507	
	75	5.49	5.79	8.5	6.0	10	635335	
	90 (T10830)	5.49	5.79	8.5	6.35	10	446517	
	100	5.49	5.79	8.5	6.0	10	635336	
	152 (T10930)	5.49	5.79	8.5	6.35	10	446527	
	T40×	49 (T10640)	6.6	—	—	7.0	10	446497
70 (T10740)		6.6	—	—	8.0	10	446508	
75		6.6	—	—	8.0	10	635340	
	90 (T10840)	6.6	—	—	8.0	10	446518	
	100	6.6	—	—	7.0	10	635341	
	152 (T10940)	6.6	—	—	8.0	10	446528	
T45×	75	7.77	—	—	8.0	10	635345	
	100	7.77	—	—	8.0	10	635346	

No. IP TORX Plus Bit

●For TORX Plus screws used for various assembly lines.

TORX



Model No.	Tip	mm	Overall Length (mm)	Inner Ctn.	EDP No.
IP10906	6IP	1.64	152	10	447251
IP10907	7IP	1.99	152	10	447252
IP10908	8IP	2.31	152	10	447253
IP10609	9IP	2.5	49	10	447229
IP10709	9IP	2.5	70	10	447236
IP10809	9IP	2.5	90	10	447243
IP10909	9IP	2.5	152	10	447226
IP10810	10IP	2.74	90	10	447244
IP10910	10IP	2.74	152	10	447254
IP10615	15IP	3.27	49	10	447230
IP10715	15IP	3.27	70	10	447237
IP10815	15IP	3.27	90	10	447245
IP10915	15IP	3.27	152	10	447255
IP10620	20IP	3.86	49	10	447231
IP10720	20IP	3.86	70	10	447238
IP10820	20IP	3.86	90	10	447246
IP10920	20IP	3.86	152	10	447256
IP10625	25IP	4.43	49	10	447232
IP10725	25IP	4.43	70	10	447239
IP10825	25IP	4.43	90	10	447247
IP10925	25IP	4.43	152	10	447257
IP10630	30IP	5.52	49	10	447234
IP10730	30IP	5.52	70	10	447241
IP10830	30IP	5.52	90	10	447249
IP10930	30IP	5.52	152	10	447259
IP10640	40IP	6.65	49	10	447235
IP10740	40IP	6.65	70	10	447242
IP10840	40IP	6.65	90	10	447250
IP10940	40IP	6.65	152	10	447260

No. B35 SUPADRIV Bit

●For SUPADRIV screws. ●Special tip shape prevents cam-out.



Model No.	(mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
SDV1× 75		H	10	100	636121
SDV2× 75		H	10	100	636122
100		H	10	100	636123
SDV3× 75		H	10	100	636130

No. 1733/50, 1735/50 BALL POINT Bit

●For hexagon socket head cap bolts and screws.

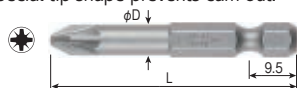


Model No.	(mm)	φD	Tip (mm)	Inner Ctn.	EDP No.
* BP3× 50 (1733/50)		4	3	10	446579
* BP5× 50 (1735/50)		6	5	10	446581

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No. B35 POZIDRIV Bit

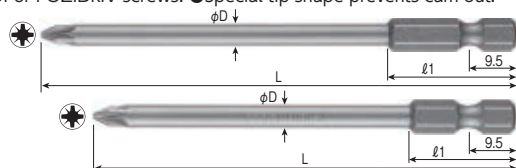
●For POZIDRIV screws. ●Special tip shape prevents cam-out.



Model No.	Heat treatment classification (mm)	Tip	φD	ℓ	L (mm)	Inner Ctn.	Outer Ctn.	EDP No.
★ PZ0 × 2 × 60	H	PZ0	2.0	20	60	10	100	447301
★ PZ0 × 3 × 60	H	PZ0	3.0	20	60	10	100	447303
★ PZ1 × 50	H	PZ1	4.8	—	50	10	100	424101
PZ2 × 50	H	PZ2	6.3	—	50	10	100	424102
PZ3 × 50	H	PZ3	8.0	—	50	10	100	424103

No. B35 POZIDRIV Bit

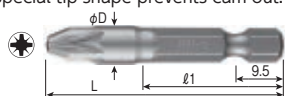
●For POZIDRIV screws. ●Special tip shape prevents cam-out.



Model No.	Heat treatment classification (mm)	Tip	φD	φ1	L (mm)	Inner Ctn.	Outer Ctn.	EDP No.
★ 1071PZ	H	PZ1	4.76	21	70	10	100	487216
★ 1081PZ	H	PZ1	4.76	21	89	10	100	487217
★ 4301/100PZ	H	PZ1	4.5	27	100	10	100	489257
★ 4302/100PZ	H	PZ2	6.0	27	100	10	100	489258
★ 4302/127PZ	H	PZ2	6.0	27	127	10	100	446445
★ 4302/150PZ	H	PZ2	6.0	27	150	10	100	489674
★ 4302/200PZ	H	PZ2	6.0	27	200	10	100	446449
★ 1062PZ	H	PZ2	6.35	21	49	10	100	487220
★ 1062PZ	X	PZ2	6.35	21	49	10	100	487523
★ 1082PZ	H	PZ2	6.35	21	89	10	100	487222

No. B35 POZIDRIV Bit

●For POZIDRIV screws. ●Special tip shape prevents cam-out.



Model No.	Heat treatment classification (mm)	Tip	φD	φ1	L (mm)	Inner Ctn.	Outer Ctn.	EDP No.
★ 1063PZ	H	PZ3	8.0	29	49	10	100	487225
★ 4304/51PZ	H	PZ4	8.0	29	51	10	100	489234

No. B39 Bit

●For assembly work focusing on workability.



Model No.	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 1× 23	H	10	100	424131
⊕ 2× 23	H	10	100	424141
40	H	10	100	424143
100	H	10	100	424147
★ ⊕2×4.8×25×150(1092-2)	H	10	—	487209
★ ⊕3×6.3×25× 50(1063-2)	H	10	—	487214

No. B39 POZIDRIV Bit

●For POZIDRIV screws. ●Special tip shape prevents cam-out.



Model No.	Heat treatment classification	Inner Ctn.	EDP No.
★ PZ2×4.8×25×150(1092PZ-2)	H	10	487224

No. B39 3-Flute Fastening Bit

●For fastening screws used in aircraft, special vehicles, etc.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
TW1×40	H	10	100	424201
TW2×40	H	10	100	424202
TW3×40	H	10	100	424203
TW4×40	H	10	100	424204
TW5×40	H	10	100	424205

No. X50 Adapters

●Hex socket adaptors.



Model code	SQ	Overall Length (mm)	Inner Ctn.	EDP No.
X5001	1/4"	35	10	487380
X5003	1/4"	75	10	487382
X5004	1/4"	100	10	487383
X5005	1/4"	150	10	487384
X5012	3/8"	50	10	487391
X5013	3/8"	75	10	487392
X5014	3/8"	100	10	487393
X5015	3/8"	150	10	487394



No. A5 TORX Bit

●For TORX screws used in the automotive industry.



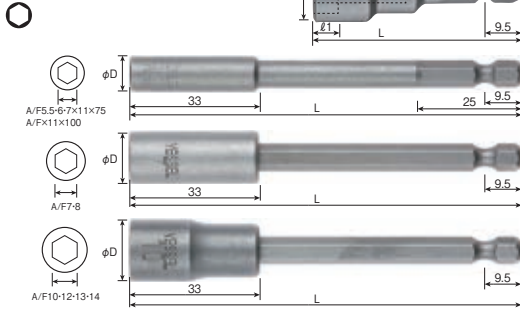
Size Tip	mm	Overall Length (mm)	Inner Ctn.	EDP No.
T30	5.49	32	10	635427
T40	6.6	32	10	635428
T45	7.77	32	10	635429
T50	8.79	32	10	635430

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 H 6.35 mm

No. B45/13** Socket Bit

●Socket bit for Hex screws.



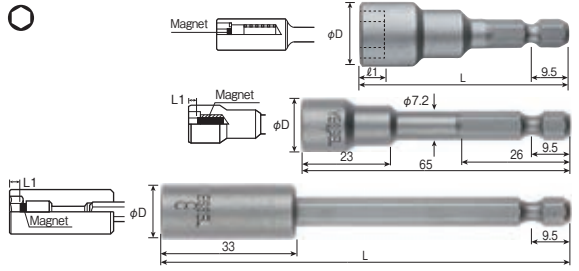
Model No.	(mm)	A/F	φD	L1	L2	OAL (mm)	Inner Ctn.	EDP No.
1304/50		4	8	3	15	50	10	489301
1304/75		4	8	3	25	75	10	489314
1304/100		4	8	3	25	100	10	489327
1345/50		4.5	8	3	15	50	10	489302
1345/75		4.5	8	3	25	75	10	489315
1345/100		4.5	8	3	25	100	10	489328
1305/50		5	8.5	3.5	15	50	10	489303
1305/75		5	8.5	3.5	25	75	10	489316
1305/100		5	8.5	3.5	25	100	10	489329
1305/150		5	8.5	3.5	25	150	10	446602
1355/50		5.5	9	3.5	15	50	10	489304
A/F5.5x75		5.5	9	3.5	25	75	10	424281
A/F5.5x100		5.5	9	3.5	25	100	10	424380
A/F5.5x150	☆	5.5	9	3.5	25	150	10	424265
1306/50		6	10	4	15	50	10	489305
A/F6x75	☆	6	10	4	25	75	10	424282
A/F6x100		6	10	4	25	100	10	424381
A/F6x150	☆	6	10	4	25	150	10	424266
1307/50		7	13	5	15	50	10	489306
A/F7x11x75		7	11	4.5	25	75	10	424279
A/F7x11x100		7	11	4.5	25	100	10	424280
A/F7x75	☆	7	13.5	5.5	22	75	10	424283
A/F7x100	☆	7	13.5	5.5	22	100	10	424382
A/F7x150	☆	7	13.5	5.5	22	150	10	424267
1308/50		8	13	5	15	50	10	489307
A/F8x75	☆	8	13.5	6.5	22	75	10	424284
A/F8x100	☆	8	13.5	6.5	22	100	10	424383
A/F8x150	☆	8	13.5	6.5	22	150	10	424483
1309/50		9	14	5.5	15	50	10	489308
A/F9x75	☆	9	15	6.5	22	75	10	424268
A/F9x100	☆	9	15	6.5	22	100	10	424269
1310/50		10	16	6.5	15	50	10	489309
A/F10x75	☆	10	16	6.5	22	75	10	424286
A/F10x100	☆	10	16	6.5	22	100	10	424384
A/F10x150	☆	10	16	6.5	22	150	10	424484
1311/50		11	17	7	15	50	10	489310
A/F11x75	☆	11	17	7	22	75	10	424270
A/F11x100	☆	11	17	7	22	100	10	424271
1312/50		12	19	7.5	15	50	10	489311
A/F12x75	☆	12	18	8	22	75	10	424287
A/F12x100	☆	12	18	8	22	100	10	424385
A/F12x150	☆	12	18	8	22	150	10	424272
1313/50		13	19	8	15	50	10	489312
A/F13x75	☆	13	19	8	22	75	10	424288
A/F13x100	☆	13	19	8	22	100	10	424386
A/F13x150	☆	13	19	8	22	150	10	424273
1314/50		14	20	8	15	50	10	489313
A/F14x75	☆	14	20	8	22	75	10	424289
A/F14x100	☆	14	20	8	22	75	10	424387

☆...Adopts a patented axial press-fit shank technique

No. MB45/13**M Socket Bit (Press-Fit Magnet)

●Socket bit for Hex screws.

●Holds the screw with a strong magnet, to prevent the screws from dropping.

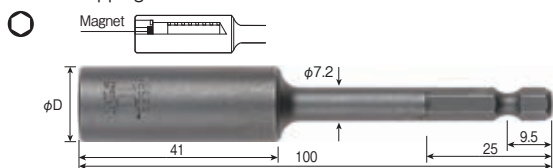


Model No.	(mm)	A/F	φD	L1	OAL (mm)	Inner Ctn.	EDP No.
1305/50M		5	8.5	3.5	50	10	489340
1305/75M		5	8.5	3.5	75	10	489351
1305/100M		5	8.5	3.5	100	10	489362
1305/150M		5	8.5	3.5	150	10	446619
1355/50M		5.5	9	3.5	50	10	489341
1355/75M		5.5	9	3.5	75	10	489352
1355/100M		5.5	9	3.5	100	10	489363
1355/150M		5.5	9	3.5	150	10	446620
1306/50M		6	10	4	50	10	489342
1306/75M		6	10	4	75	10	489353
1306/100M		6	10	4	100	10	489364
1306/150M		6	10	4	150	10	446621
1307/50M		7	13	4.5	50	10	489343
A/F7x65		7	13	2.5	65	10	482520
1307/75M		7	13	4.5	75	10	489354
1307/100M		7	13	4.5	100	10	489365
1307/150M		7	13	5	150	10	446622
1308/50M		8	13	5	50	10	489344
A/F8x65	☆	8	13.5	3.17	65	10	482521
A/F8x75	☆	8	13.5	3.17	75	10	482523
A/F8x100	☆	8	13.5	3.17	100	10	482524
A/F8x150	☆	8	13.5	3.17	150	10	424274
1309/50M		9	14	5.5	50	10	489345
1309/75M		9	14	5.5	75	10	489356
1309/100M		9	14	5.5	100	10	489367
A/F3/8x65	☆	9.6	15	3.96	65	10	482522
1310/50M		10	16	6.5	50	10	489346
A/F10x75	☆	10	16	3.96	75	10	482525
A/F10x100	☆	10	16	3.96	100	10	482526
A/F10x150	☆	10	16	3.96	150	10	424275
1311/50M		11	17	7	50	10	489347
1311/75M		11	17	7	75	10	489358
1311/100M		11	17	7	100	10	489369
1312/50M		12	19	7.5	50	10	489348
A/F12x75	☆	12	18	5.5	75	10	424276
A/F12x100	☆	12	18	5.5	100	10	424277
A/F12x150	☆	12	18	5.5	150	10	424278
1313/50M		13	19	8	50	10	489349
1313/75M		13	19	8	75	10	489360
1313/100M		13	19	8	100	10	489371
1313/150M		13	19	8	150	10	446626
1314/50M		14	20	8	50	10	489350
1314/75M		14	20	8	75	10	489361
1314/100M		14	20	8	100	10	489372

☆...Adopts a patented axial press-fit shank technique

No. MB45D Socket Bit (Sliding Magnet)

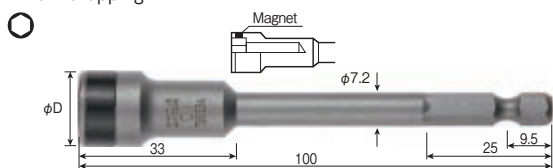
- Socket bit for Hex screw.
- Holds the screw with sliding magnet, to prevent the screws from dropping.



Model No.	(mm)	φD	Hole depth	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
A/F 8×100		13	36		10	100	482516
A/F 10×100		16	36		10	100	482517

No. MB45S Socket Bit (Side Magnet)

- Socket bit for Hex screw.
- Holds the screw with side magnet, to prevent the screws from dropping.

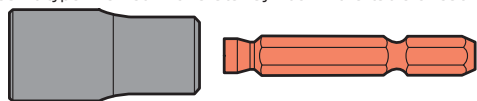


Model No.	(mm)	φD	Hole depth	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
A/F 8×100		13	25		10	100	482406
A/F 10×100		16	25		10	100	482407

One point

Features of press-fit type sockets

(Press-fit type: marked with a star symbol in the table of each model)



MEDIUM HARDNESS
Improves durability of socket

HIGH HARDNESS
Strong resistance to shank breakage

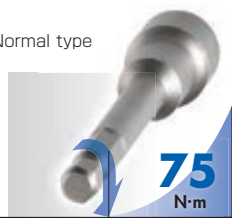


The shank and socket have been heat-treated to the best hardness and press-fit together. The socket part is strong against wear and shank against twisting, resulting in higher durability.

Prevents shank breakage

Torsion moment with a static torque

Normal type



Press-fit type



107
N·m

No. DS73

Shockless Bit



No. DS73

Shockless Bit

Combination of special alloy steel + zinc die cast.
Less variation in inrush torque at seating, therefore tightening becomes consistent.
Moreover, the tip durability is improved significantly.



High Precision Bit Tips

Bits with 4mm and 5mm shafts for use with a wide variety of small, electric drivers.

Our strong, durable bits undergo actual work tests, damage tests, and repeated fatigue tests before delivery to the market.

In our quest for ever-greater reliability, we employ torque analysis and screw-engagement checks that result in ultra high precision bit tips.

HAND TOOLS

BITS & SOCKETS

ELECTRIC TOOLS

AIR TOOLS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

Applicable models

Please check the model No. of your drivers before determining which bit(s) to choose.

Shape	Model NO.	Page	Applicable models
			 Electric S/D (Precision type)
 H 5 mm	B34	84P	VESSEL VE-4000-4000P-4500-4500P Hios PG-7000 BLG-5000BC1/-15/-20/-HT BLG-5000/-15/-20/HT BL-5000/-15/-20-5020-7000/-20 CL-4000-6000-6500-7000 SS-4000-6500-7000 α-4500-5000-6500 CD-4000-5000-6000-7000 VB-1510/-18-1820-3012-2008-3020 VZ-1510-1812-1820-3012-3007
	N	85P	Delvo DLV ○○○○-EJN/-DJN/-DJE DLV 7(8)120-SPC-7(8)130-SPC-7(8)140-SPC-7(8)241-SPC-7(8)231-SPC DLV 30LL(P)-SPC-30SL(P)-SPC-30HL(P)-SPC Hitachi Koki WT 3G/3GP-4G/4GP-5G/5GP
	B44	85P	Kanon 3K-120L-180L-180LF-120P-180P-180PF, 9K-130P-140P-130PF-131L-131LF-131P-131PF, 5KD-200-300 Panasonic FE-A310S-A310MH-A310L-A111L-A111MH-A111M-A710AXN-A710MHN
 ϕ 4 mm	D71	82P	Delvo DLV ○○○○-BMN/-CMN/-EMN/-SB DLV 5820-5820H-5840 DLV 7410A-SPC-7410HA-SPC-7420A-SPC-7321-SPC-7331-SPC-7020-SPC-7030-SPC-7031-SPC-8020-SPC-8030-SPC-8031-SPC
	D72		
 ϕ 4 mm	DS73	81P	VESSEL VE-1500-1500EPA-2000-2000EPA-3000 Hios PG-3000-5000 BLG-4000BC1-5000BC1/-15/-20 BLG-4000-5000/-15/-20 BL-2000-3000-5000/-15/-20 CL-2000-3000-4000 SS-2000-3000-4000 α-4500-5000 CD-4000-5000 VB-1510/-18 VZ-1510
	D73	83P	Kanon 3K-110L-110P 2KD-100-200-300
 ϕ 5 mm	D76	84P	Hios CL-6000-6500-7000 SS-6500-7000 α-6500 CD-6000-7000

HAND TOOLS

BITS & SOCKETS

ELECTRIC TOOLS

AIR TOOLS

STATIC SOLUTIONS

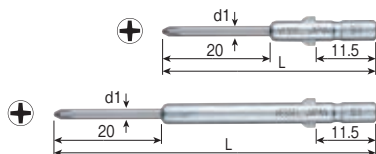
GASOLINE ENGINE TOOLS



No. DS73 Shockless Bit

PAT.

- Combination of special alloy steel and zinc die cast; Stable fastening torque and improved durability.
- Bit tip high-precision-machined to thread standards.

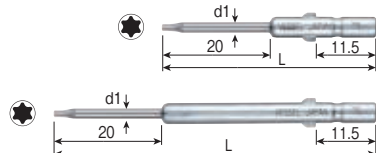


Model No.	(mm)	d1	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 00×1.5×40		1.5		10	100	483801
60		1.5		10	100	483802
⊕ 0 ×1.5×40		1.5		10	100	483809
60		1.5		10	100	483810
⊕ 0 ×1.7×40		1.7		10	100	483811
60		1.7		10	100	483812
⊕ 0 ×2.0×40		2.0		10	100	483813
60		2.0		10	100	483814

No. DS73 Shockless Bit

PAT.

- Combination of special alloy steel and zinc die cast; Stable fastening torque and improved durability.
- Bit tip high-precision-machined to thread standards.



Model No.	(mm)		d1	Inner Ctn.	Outer Ctn.	EDP No.
T5 ×2.0×	40		1.37	2.0	10 100	483901
	60		1.37	2.0	10 100	483902
T6 ×2.0×	40		1.65	2.0	10 100	483903
	60		1.65	2.0	10 100	483904

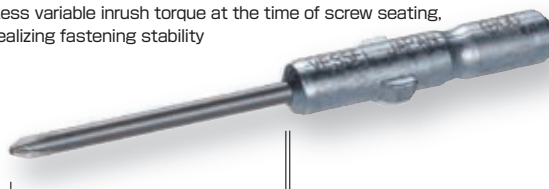
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One point

Advantage of Shockless Bit

Shockless Bit have cushioning characteristics to absorb the impact occurred when a screw is fully seated.

Less variable inrush torque at the time of screw seating, realizing fastening stability



Special alloy steel
Precision cutting & tempering

→

Combination
of
different
materials

←

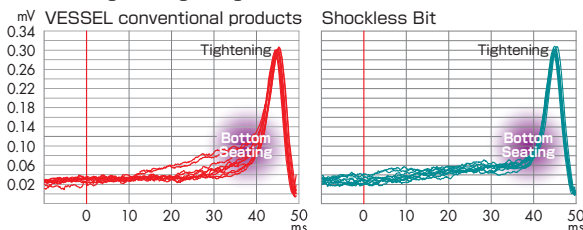
Zinc die cast

●Stable tightening torque

The combination of alloy steel and zinc creates a shockless effect and stabilizes the tightening torque.

【Measurement of tightening waveform】

The load during screw tightening is indicated as a waveform



●Break-resistant with improved durability

The shockless effect of the alloy steel and zinc combination greatly improves the durability of the tool tip.

【Driving durability test】

Number of tools which do not break when continuously screwed in by a screw tightening robot.

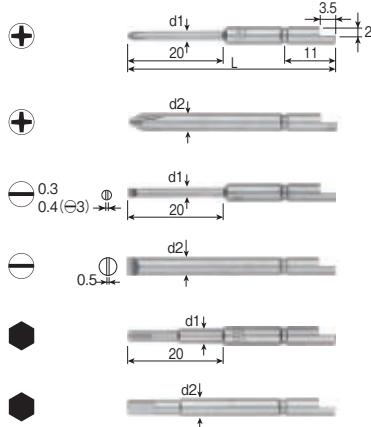


Cushion effect of combination of several materials enables the impact on the tip-end to be absorbed and makes the bit durable. This also leads to less damage on screw or workpieces as Shockless Bit is not merely hard but cushiony.

• $\phi 4$ mm

No. D71 Bit

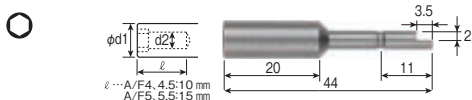
- With crescentic shank shape in cross section; for fastening precision small screws.
- Bit tip high-precision-machined to thread standards.



Model No. (mm)	d1	d2 (mm)	Inner Ctn.	Outer Ctn.	EDP No.
$\oplus 00 \times 1.5 \times 44$	1.5	—	10	100	482901
$\oplus 00 \times 2 \times 44$	1.5	—	10	100	482902
$\oplus 00 \times 2.5 \times 44$ (EPH204)	2.0	2.0	10	—	446293
$\oplus 00 \times 2.5 \times 44$ (EPH205)	2.5	2.0	10	—	446294
$\oplus 0 \times 2 \times 44$	2.0	—	10	100	482911
$\oplus 0 \times 2 \times 44$	2.0	—	10	100	482912
$\oplus 0 \times 2.5 \times 44$	2.5	—	10	100	482913
$\oplus 0 \times 2.5 \times 44$	2.5	—	10	100	482914
$\oplus 1 \times 3 \times 44$	3.0	—	10	100	482921
$\oplus 1 \times 3 \times 44$	3.0	—	10	100	482922
$\oplus 1 \times 4 \times 44$	—	4.0	10	100	482923
$\oplus 1 \times 4 \times 44$	—	4.0	10	100	482924
$\oplus 2 \times 4 \times 44$	—	4.0	10	100	482931
$\oplus 2 \times 4 \times 44$	—	4.0	10	100	482932
$\ominus 2 \times 0.3 \times 44$	2.0	—	10	200	482941
$\ominus 2.5 \times 0.3 \times 44$	2.5	—	10	200	482942
$\ominus 3 \times 0.4 \times 44$	3.0	—	10	200	482943
$\ominus 4 \times 0.5 \times 44$	—	4.0	10	200	482944
$H 1.5 \times 2 \times 44$	2.0	—	10	200	482951
$H 2 \times 3 \times 44$	3.0	—	10	200	482952
$H 2.5 \times 3 \times 44$	3.0	—	10	200	482953
$H 3 \times 4 \times 44$	—	4.0	10	200	482954

No. D72 Socket Bit

- With crescentic shank shape in cross section; for fastening precision small screws.
- Bit tip high-precision-machined to thread standards.

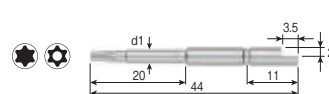


Model No. (mm)	d1	d2 (mm)	Inner Ctn.	Outer Ctn.	EDP No.
A/F 4 $\times 44$	7	3	10	100	482961
A/F 4.5 $\times 44$	7	3	10	100	482962
A/F 5 $\times 44$	8	4	10	100	482963
A/F 5.5 $\times 44$	8	4	10	100	482964

• $\phi 4$ mm

No. D71 TORX Bit

- With crescentic shank shape in cross section; for fastening small screws for such as computers, HDDs.
- Bit tip high-precision-machined to thread standards.

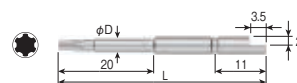


Model No. (mm)	d1 (mm)	d2 (mm)	Inner Ctn.	Outer Ctn.	EDP No.
T1 $\times 44$	0.84	1.5	10	100	635601
T2 $\times 44$	0.94	1.5	10	100	635602
T3 $\times 44$	1.12	1.7	10	100	635603
T4 $\times 44$	1.3	1.8	10	100	635604
T5 $\times 44$	1.37	2.0	10	100	635605
T6 $\times 44$	1.65	2.5	10	100	635606
T7 $\times 44$	1.97	2.5	10	100	635607
T8 $\times 44$	2.3	3.0	10	100	635608
T8H $\times 44$ (ETX254)	2.3	4	10	200	446323
T9 $\times 44$	2.48	3.0	10	100	635609
T10 $\times 44$	2.72	3.0	10	100	635610
T15H $\times 44$ (ETX259)	3.26	4	10	200	446328

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No. D71 TORX Plus Bits

- The earlobe-shaped protrusions on the tip-end provide longer lifetime because they are designed to have the largest fitting area between the bit (which is designed to have large cross-sectional area) and the screw head recess, so as to disperse the stress while tightening.

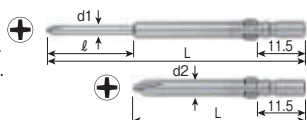


Model No. (mm)	IP	ϕD	ϕ	L (mm)	Inner Ctn.	EDP No.
2IP $\times 44$	2IP	1.5	20	44	10	447428
2IP $\times 64$	2IP	1.5	20	64	10	447412
3IP $\times 44$	3IP	1.7	20	44	10	447429
3IP $\times 64$	3IP	1.7	20	64	10	447413



No. D73 Bit

- For fastening precision small screws.
- Bit tip high-precision-machined to thread standards.



Model No.	(mm)	Tip	ℓ	d1	d2	L	Inner Ctn.	Outer Ctn.	EDP No.
⊕00×1.2×20×40	00	20	1.2	—	40	10	100	446001	
⊕00×1.5×40	00	20	1.5	—	40	10	100	445981*(483001)	
⊕00×1.5×60	00	20	1.5	—	60	10	100	445982*(483002)	
⊕00×1.5×80	00	20	1.5	—	80	10	100	483003	
⊕00×1.7×20×40	00	20	1.7	—	40	10	100	446004	
⊕00×2×40	00	20	2	—	40	10	100	445983*(483005)	
⊕00×2×60	00	20	2	—	60	10	100	445984*(483006)	
⊕0×1.2×20×40	0	20	1.2	—	40	10	100	483007	
⊕0×1.4×20×40	0	20	1.4	—	40	10	100	446016	
⊕0×1.4×20×60	0	20	1.4	—	60	10	100	446017	
⊕0×1.4×20×80	0	20	1.4	—	80	10	100	483008	
⊕0×1.5×20×40	0	20	1.5	—	40	10	100	446022	
⊕0×1.5×20×60	0	20	1.5	—	60	10	100	446076	
⊕0×1.7×40	0	20	1.7	—	40	10	100	483010	
⊕0×1.7×60	0	20	1.7	—	60	10	100	445986*(483011)	
⊕0×1.7×80	0	20	1.7	—	80	10	100	483012	
⊕0×1.8×60	0	20	1.8	—	60	10	100	483013	
⊕0×2×20×40	0	20	2	—	40	10	100	446025	
⊕0×2×20×60	0	20	2	—	60	10	100	446026	
⊕0×2×30×60	0	30	2	—	60	10	100	446029	
⊕0×2×20×80	0	20	2	—	80	10	100	446027	
⊕0×2×20×100	0	20	2	—	100	10	100	446028	
⊕0×2×120	0	20	2	—	120	10	100	483014	
⊕0×2.5×40	0	20	2.5	—	40	10	100	483015	
⊕0×2.5×60	0	20	2.5	—	60	10	100	483016	
⊕0×2.5×20×80	0	20	2.5	—	80	10	100	446033	
⊕0×2.5×20×100	0	20	2.5	—	100	10	100	446034	
⊕0×2.5×120	0	20	2.5	—	120	10	100	483017	
⊕1×2.5×20×40	1	20	2.5	—	40	10	100	446048	
⊕1×3×40	1	20	3	—	40	10	100	483021	
⊕1×3×20×60	1	20	3	—	60	10	100	446053	
⊕1×3×20×80	1	20	3	—	80	10	100	446054	
⊕1×3×20×100	1	20	3	—	100	10	100	446055	
⊕1×3×20×120	1	20	3	—	120	10	100	483376	
⊕1×4×40	1	—	—	4	40	10	100	483025	
⊕1×4×60	1	—	—	4	60	10	100	446059	
⊕1×4×80	1	—	—	4	80	10	100	483026	
⊕1×4×100	1	—	—	4	100	10	100	483027	
⊕1×4×120	1	—	—	4	120	10	100	483028	
⊕1×4×150	1	—	—	4	150	10	100	483029	
⊕1×4×180	1	—	—	4	180	10	100	483030	
⊕1×4×200	1	—	—	4	200	10	100	483032	
⊕2×4×40	2	—	—	4	40	10	100	483031	
⊕2×4×60	2	—	—	4	60	10	100	446070	
⊕2×4×80	2	—	—	4	80	10	100	446071	
⊕2×4×100	2	—	—	4	100	10	100	446072	
⊕2×4×120	2	—	—	4	120	10	100	446073	
⊕2×4×150	2	—	—	4	150	10	100	483033	

EDP number with mark * will be shifted to the other number in parenthesis.

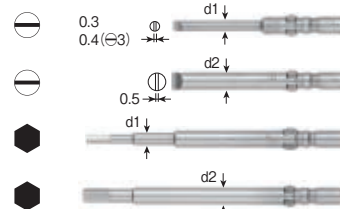
Socket Bit



Model No.	(mm)	Size	φD	L	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
A/F2.3×40		A/F 2.3	6	40		10	100	483921
A/F2.5×40		A/F 2.5	6	40		10	100	483922
A/F3×40		A/F 3	6	40		10	100	483923
A/F4×60		A/F 4	7	60		10	100	483924
A/F4.5×60		A/F 4.5	7	60		10	100	483925
A/F5×60		A/F 5	8	60		10	100	483926
A/F5.5×60		A/F 5.5	8	60		10	100	483927

No. D73 Bit

- For fastening precision small screws.
- Bit tip high-precision-machined to thread standards.

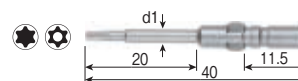


Model No.	(mm)	d1	d2	Inner Ctn.	Outer Ctn.	EDP No.
⊖ 2 ×0.3 ×40		2.0	—	10	100	483041
⊖ 2.5×0.3 ×40		2.5	—	10	100	483042
⊖ 3 ×0.4 ×40		3.0	—	10	100	483043
⊖ 4 ×0.5 ×40		—	4.0	10	100	483044
H 1.5×2 ×60		2.0	—	10	100	483051
H 2 ×3 ×60		3.0	—	10	100	483052
H 2.5×3 ×60		3.0	—	10	100	483053
H 3 ×4 ×60		—	4.0	10	100	483054



No. D73 TORX Bit

- For fastening small screws for HDDs, etc.
- Bit tip high-precision-machined to thread standards.



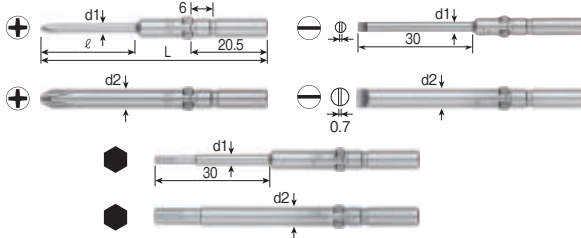
Model No.	(mm)	mm 	d1	Inner Ctn. (mm)	Outer Ctn.	EDP No.
T1 × 40	40	0.84	1.5	10	100	635621
T2 × 40	40	0.94	1.5	10	100	635622
T3 × 40	40	1.12	1.7	10	100	635623
T4 × 40	40	1.3	1.8	10	100	635624
T5 × 40	40	1.37	2.0	10	100	635625
T5 × 2×20×40		1.37	2.0	10	100	446107
60		1.37	2.0	10	100	446108
60		1.37	2.0	10	100	635695
T6 × 40	40	1.65	2.5	10	100	635626
T6 × 2×20×40		1.65	2.0	10	100	446109
60		1.65	2.0	10	100	446110
60		1.65	2.0	10	100	635696
T7 × 40	40	1.97	2.5	10	100	635627
T7 × 2×20×60		1.97	2.0	10	100	446113
T8 × 40	40	2.3	3.0	10	100	635628
T9 × 40	40	2.48	3.0	10	100	635629
T10× 40	40	2.72	3.0	10	100	635630
T10H × 4 × 60	60	2.72	4.0	10	100	446119

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No. D76 Bit

- For fastening various small screws and tapping screws for sheet metals.
- Bit tip high-precision-machined to thread standards.



Model No.	(mm)	Tip	ℓ	d1	d2	L	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
Φ00×2×60	00	20	2	—	60	10	100	446241*(483105)		
Φ0×2×60	0	25	2	—	60	10	100	483106		
Φ0×2.5×60	0	25	2.5	—	60	10	100	483115		
Φ0×2.5×80	0	25	2.5	—	80	10	100	483116		
Φ0×2.5×100	0	25	2.5	—	100	10	100	483117		
Φ0×2.5×150	0	25	2.5	—	150	10	100	483118		
Φ1×3×15×40	1	15	3	—	40	10	100	483119		
Φ1×3×60	1	30	3	—	60	10	100	483121		
Φ1×3×30×80	1	30	3	—	80	10	100	446267		
Φ1×3×30×100	1	30	3	—	100	10	100	483122		
Φ1×3×30×120	1	30	3	—	120	10	100	483123		
Φ1×5×40	1	—	—	5	40	10	100	483124		
Φ1×5×60	1	—	—	5	60	10	100	483125		
Φ1×5×80	1	—	—	5	80	10	100	483126		
Φ1×5×100	1	—	—	5	100	10	100	446271*(483127)		
Φ1×5×120	1	—	—	5	120	10	100	483128		
Φ1×5×150	1	—	—	5	150	10	100	483129		
Φ1×5×180	1	—	—	5	180	10	100	483130		
Φ1×5×200	1	—	—	5	200	10	100	483132		
Φ1×5×250	1	—	—	5	250	10	100	483133		
Φ1×5×300	1	—	—	5	300	10	100	483134		
Φ2×5×40	2	—	—	5	40	10	100	483135		
Φ2×5×60	2	—	—	5	60	10	100	483131		
Φ2×5×80	2	—	—	5	80	10	100	446279		
Φ2×5×100	2	—	—	5	100	10	100	446280		
Φ2×5×120	2	—	—	5	120	10	100	446281		
Φ2×5×150	2	—	—	5	150	10	100	446282		
Φ2×5×180	2	—	—	5	180	10	100	483136		
Φ2×5×200	2	—	—	5	200	10	100	483137		
Φ2×5×250	2	—	—	5	250	10	100	483138		
Φ2×5×300	2	—	—	5	300	10	100	483139		
Φ2×5×400	2	—	—	5	400	10	100	483140		
Φ3×0.4×60	Φ3×0.4t	30	3	—	60	10	100	483141		
Φ4×0.6×60	Φ4×0.6t	30	4	—	60	10	100	483142		
Φ5×0.7×60	Φ5×0.7t	—	—	5	60	10	100	483143		
H2×3×70	H2	30	3	—	70	10	100	483151		
H2.5×3×70	H2.5	30	3	—	70	10	100	483152		
H3×4×70	H3	30	4	—	70	10	100	483153		
H4×5×70	H4	—	—	5	70	10	100	483154		

EDP number with mark * will be shifted to the other number in parenthesis.

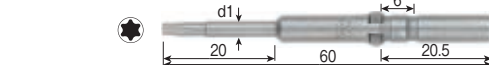
Socket Bit



Model No.	(mm)	Size	φD	L	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
A/F4×60		A/F 4	7	60		10	100	483941
A/F4.5×60		A/F 4.5	7	60		10	100	483942
A/F5×60		A/F 5	8	60		10	100	483943
A/F5.5×60		A/F 5.5	8	60		10	100	483944

No. D76 TORX Bit

- For fastening small screws for HDDs, etc.
- Bit tip high-precision-machined to thread standards.



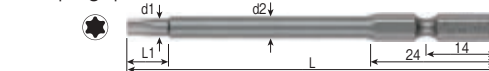
Model No. (mm)		d1 (mm)	Inner Ctn.	Outer Ctn.	EDP No.
T5 × 60	1.37	2.0	10	100	635651
T6 × 60	1.65	2.5	10	100	635652
T7 × 60	1.97	2.5	10	100	635653
T8 × 60	2.3	3.0	10	100	635654
T9 × 60	2.48	3.0	10	100	635655
T10× 60	2.72	3.0	10	100	635656
T15× 60	3.26	4.0	10	100	635657
T20× 60	3.84	—	10	100	635658
T25× 60	4.4	—	10	100	635659

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VESSEL has a manufacturing license in Japan and selling same to the world.



No. N TORX Bit

- For fastening small screws for HDDs, etc.
- Bit tip high-precision-machined to thread standards.

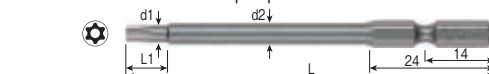


Model No.		d1	L1	d2	Inner Ctn.	EDP No.
(mm)	(mm)					
T5 × 75	1.37	1.67	6.5	4.0	10	635498
100	1.37	1.67	6.5	4.0	10	635499
T6 × 75	1.65	1.95	6.5	4.0	10	635500
100	1.65	1.95	6.5	4.0	10	635501
T8 × 75	2.3	2.60	7.0	4.5	10	635505
100	2.3	2.60	7.0	4.5	10	635506
T10× 75	2.72	3.02	7.5	4.5	10	635510
100	2.72	3.02	7.5	4.5	10	635511
T15× 75	3.26	3.56	7.5	4.5	10	635515
100	3.26	3.56	7.5	4.5	10	635516
T20× 75	3.84	4.14	7.5	5.0	10	635520
100	3.84	4.14	7.5	5.0	10	635521
T25× 75	4.4	4.70	8.0	5.0	10	635525
100	4.4	4.70	8.0	5.0	10	635526
T27× 75	4.96	5.26	8.0	5.5	10	635530
100	4.96	5.26	8.0	5.5	10	635531

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VESSEL has a manufacturing license in Japan and selling same to the world.

No. N TORX Bit (Tamper-Proof)

- For fastening small screws for HDDs, etc.
- Bit tip high-precision-machined to thread standards.
- With a round hole for tamper-proof.



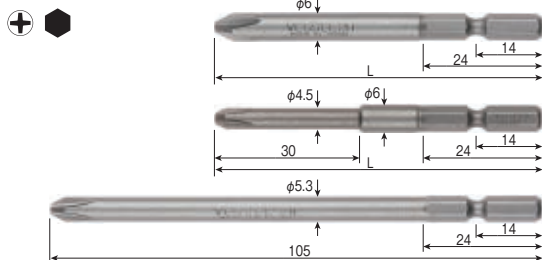
Model No.	(mm)		d1	L1	d2	(mm)	Inner Ctn.	EDP No.
T10H× 75	2.72	3.02	7.5	4.5		10		635551
	100	2.72	3.02	7.5	4.5	10		635552
T15H× 75	3.26	3.56	7.5	4.5		10		635553
	100	3.26	3.56	7.5	4.5	10		635554
T20H× 75	3.84	4.14	7.5	5.0		10		635555
	100	3.84	4.14	7.5	5.0	10		635556
T25H× 75	4.4	4.70	8.0	5.0		10		635557
	100	4.4	4.70	8.0	5.0	10		635558

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No. B34 Bit

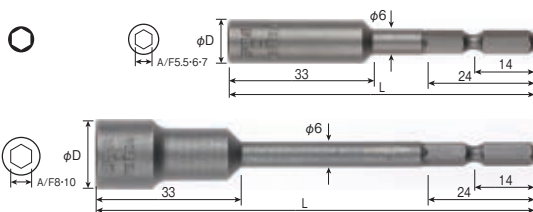
- For fastening various small screws and tapping screws for sheet metals.
- Bit tip high-precision-machined to thread standards.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 1 × 70	H	10	100	422031
100	H	10	100	422032
150	H	10	100	422033
⊕ 1 × 4 × 70	H	10	100	422048
⊕ 1 × 4 × 30 × 70	H	10	10	446335
⊕ 1 × 5.3 × 105	H	10	100	422034
* 120	X	10	100	422040
120	H	10	100	422035
⊕ 2 × 70	H	10	100	422041
100	H	10	100	422042
120	H	10	100	422045
150	H	10	100	422043
200	H	10	100	422044
⊕ 2 × 3 × 30 × 75	H	10	100	446340
⊕ 2 × 4.5 × 70	H	10	100	422049
⊕ 2 × 5.3 × 105	H	10	100	422046
120	H	10	100	422047
H 2 × 70	H	10	100	422071
H 2.5 × 70	H	10	100	422072
H 3 × 70	H	10	100	422073
H 4 × 70	H	10	100	422074
H 5 × 70	H	10	100	422075

No. B44 Socket bit

- For fastening screws for electric appliances and hex head tapping screws.



Size Tip×Overall Length (mm)	φD	Hole depth (mm)	Inner Ctn.	Outer Ctn.	EDP No.
A/F 5.5 × 70	9	25	10	250	422371
100	9	25	10	250	422381
6 × 70	10	25	10	200	422372
100	10	25	10	200	422382
7 × 70	11	25	10	200	422373
100	11	25	10	150	422383
8 × 70	13	25	10	200	422374
100	13	25	10	150	422384
10 × 100	16	25	10	100	422385



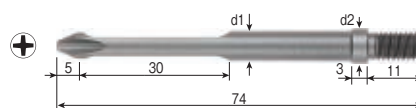
Other bits for screw fastening robots than the following can be custom-made.
Please contact VESSEL with detailed information, listed in the right "One point" column.

No. 3491/34,3492/34 Screw Shank Driver Bit



Model No.	Size Tip×Overall Length (mm)	M	Inner Ctn.	Outer Ctn.	EDP No.
3491/34	⊕ 1 × 34 -M4	M4	10	100	489656
3492/34	⊕ 2 × 34 -M4	M4	10	100	489657

No. D61 Bits for screw fastening robots (Semi-standardized items)



Model No.	(mm)	d1	d2	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2 × 74-M5 P0.8		5.0	6.0		10	100	483301
⊕ 2 × 74-M6 P1.0		6.0	7.0		10	100	483302

No. D62 Bits for screw fastening robots (Semi-standardized items)



Model No.	(mm)	d1	d2	(mm)	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2 × 100-M6 P1.0		6.0	—		10	100	483303

One point

Custom-Made Bits

If you cannot find an appropriate bit among our standard line-up, VESSEL can also produce specially designed bits for your application.

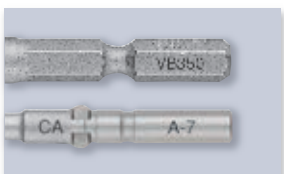


Bits for automated assembly lines

High-precision processing is required for bits to be installed in automatic assembly machines, which operate in micro-level accuracy. VESSEL has technology and know-how for such precision bits as one of the biggest bit manufacturers in the world.

Order-made bit database

All the previous orders are recorded and organized by computer system.



Laser marking

Necessary information can be directly laser-marked on bits, which brings further efficiency to your inventory management.

Innovative material and surface treatment

We choose most suitable materials and surface treatment methods for each different application, for example, high-endurance bits made of corrosion-resistant stainless steel and high-speed steel, etc.

How to request for customized bits for automated machinery

Type of screw drive			
Type and size of screw drive	A×B	M	mm
Hardness	Sample screw Available/ Not available		
Tolerance	To be specified/ To be based on VESSEL standards Official drawing Available/ Not available		
Surface treatment	Black oxide finish Shot blasting Quantity		

Outline for made-to-order bit

Arrangement We receive a minimum order of 10 pieces including test samples. Since the more the number of bits ordered, the less the unit cost becomes, we recommend you to make a bulk purchase for production.

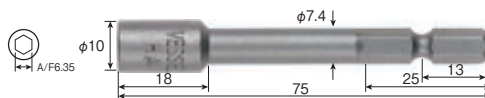
Delivery deadline Normally, we ship products within 21 work days after receiving your order. Regarding bits for Torx and automatic machine (screw thread cutting), we try to ship products within 25 work days after receiving your order.

*For some types of bits, more time may be needed to machine specific dies and jigs.
*For delivery deadline, we will inform you each time.

Size H 6.35 mm

No. HA Bit Holder

- Holds a bit with C-pin.
- Cutting chips do not attach to the bit.



Size	Inner Ctn.	Outer Ctn.	EDP No.
Tip×Overall Length (mm)			
A/F6.35× 75	10	100	482410

No. HAM Bit Holder

- Holds the bit with a strong magnetic force.



Size	Inner Ctn.	Outer Ctn.	EDP No.
Tip×Overall Length (mm)			
A/F6.35× 75	10	100	482415

Size H 6.35 mm

No. HB Bit Holder

- Holds a bit with C-pin.
- Cutting chips do not attach to the bit.



Size	Inner Ctn.	Outer Ctn.	EDP No.
Tip×Overall Length (mm)			
A/F6.35× 75	10	100	482420

No. HBM Bit Holder

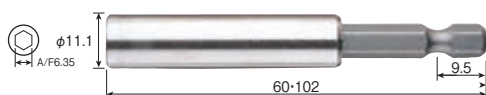
- Holds the bit with a strong magnetic force.



Size	Inner Ctn.	Outer Ctn.	EDP No.
Tip×Overall Length (mm)			
A/F6.35× 75	10	100	482425

No. DBH-01 Bit Holder

- Holds a bit with C-pin.



Size Tip×Overall Length		Inner Ctn.	EDP No.
A/F6.35×60	—	10	482431
★ A/F6.35×102(BH44)	—	10	487366

No. BH423M Bit Holder

Size Tip×Overall Length		Inner Ctn.	EDP No.
A/F6.35×75	—	10	487370

No. DBHM-01 Double Bit Holder

- Popular bit holders.



Size Tip×Overall Length		Inner Ctn.	EDP No.
A/F6.35×60	—	10	482433

No. DBH-02 Bit Holder

- Popular bit holders.



Size Tip×Overall Length		Inner Ctn.	EDP No.
A/F6.45×62	—	10	482432

No. DBHM-02 Double Bit Holder

- Popular bit holders.



Size Tip×Overall Length		Inner Ctn.	EDP No.
A/F6.45×62	—	10	482434

No. HD-71×45 Bit Holder

- By attaching a crescentic shank shape precision bit, it can be used with compact electric screwdrivers.



Size Overall Length (mm)		Inner Ctn.	Outer Ctn.	EDP No.
45	—	10	100	482429

※ Bit is not included.

One point

Precision bits can be installed to electric screwdrivers.

D71 / D72 (4mm) bits can be inserted.

No. HD-71×45

(6.35mm)



No. MMBC-J Magnet Screw Catcher

●Micro magnet screw catchers.



Size Tip×Overall Length (mm)	Tip size	L	Inner Ctn.	EDP No.
T10× 49	T10	49	10	447111
70	T10	70	10	447112
T15× 49	T15	49	10	447115
70	T15	70	10	447116
T20× 49	T20	49	10	447113
75	T20	75	10	447101
150	T20	150	10	447109
T25× 49	T25	49	10	447117
70	T25	70	10	447118

H 6.35 mm

No. MMBC Magnet Screw Catcher

●Micro magnet screw catchers.



Size Tip×Overall Length (mm)	Tip size	L	Inner Ctn.	EDP No.
T10× 33	T10	33	10	447104
T15× 33	T15	33	10	447102
T20× 33	T20	33	10	447103
T25× 33	T25	33	10	447110
PH1× 33	PH1	33	10	447105
PH2× 33	PH2	33	10	447106
PZ1× 33	PZ1	33	10	447107
PZ2× 33	PZ2	33	10	447108

Replacement Bits For MMBC Series



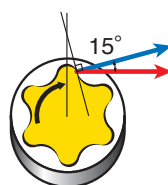
Size Tip×Overall Length (mm)		Inner Ctn.	EDP No.
PH1× 33	bit only, for MMBC	10	447333
PH2× 33	bit only, for MMBC	10	447334
PZ1× 33	bit only, for MMBC	10	447335
PZ2× 33	bit only, for MMBC	10	447336
T10× 33	bit only, for MMBC	10	447329
T10× 49	bit only, for MMBC-J	10	447337
T10× 70	bit only, for MMBC-J	10	447338
T15× 33	bit only, for MMBC	10	447330
T15× 49	bit only, for MMBC-J	10	447361
T15× 70	bit only, for MMBC-J	10	447362
T20× 33	bit only, for MMBC	10	447331
T20× 49	bit only, for MMBC-J	10	447339
T20× 75	bit only, for MMBC-J	10	447340
T20×150	bit only, for MMBC-J	10	447341
T25× 33	bit only, for MMBC	10	447332

One point

Features of TORX Bits

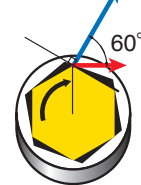


TORX has 6-lobe shaped curves. Compared to hexagonal shape driver, TORX has higher drive effectiveness and transfers torque smoothly and accurately while eliminating "CAM-OUT".



TORX

TORX transfers max torque due to small driving angle.



Hex

Meanwhile, Hex square drive need max upload torque to transfer for large diving angle to other directions.

Driving Torque

Loading Torque

TAMPER-PROOF TORX SYSTEM



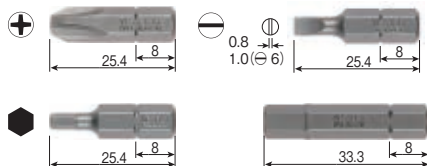
Added function of "Never Touch Screw" a post in the middle of the recess for maximum security eliminates regular TORX drive or any other flat screwdrivers for safety. Tamper proof screws are mostly used at communication equipment and computers so as not to abuse the screwing/unscrewing due to its design and control of function. Keep off unscrewing unless otherwise maintenance serving practiced.

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No. B33 Short Bit (For Bit Holder)

● Can be used by attaching to a bit holder.

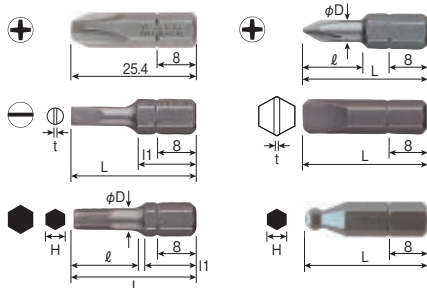


Model No. (mm)	Heat treatment classification	Tip	L	Inner Ctn. (mm)	Outer Ctn.	EDP No.
Φ1 × 25.4	H	Φ1	25.4	10	100	421231
Φ2 × 25.4	H	Φ2	25.4	10	100	421241
Φ3 × 25.4	G	Φ3	25.4	10	100	421242
Φ4 × 25.4	H	Φ4	25.4	10	100	421251
Φ6 × 25.4	H	Φ6	25.4	10	100	421252
H2 × 25.4	H	H2	25.4	10	100	421260
H2.5 × 25.4	H	H2.5	25.4	10	100	421261
H3 × 25.4	H	H3	25.4	10	100	421262
H4 × 33.3	H	H4	33.3	10	100	421263
H5 × 33.3	H	H5	33.3	10	100	421264
H6 × 33.3	H	H6	33.3	10	100	421265

Model No.	Contents	Set content	Inner Ctn.	Outer Ctn.	EDP No.
B33 Driver Bit Set	1 for each	Φ1, Φ2, Φ3, Φ4, Φ6 × 25.4 with holder	1	10	421270
B33 Hex. Bit Set	1 for each	H 2, 2.5, 3 × 25.4 H 4, 5, 6 × 33.3 with holder	1	10	421271

No. B33 Short Bit (For Bit Holder)

● Can be used by attaching to a bit holder.



Model No. (mm)	Heat treatment classification	Tip	φD	ℓ	l1	L (mm)	Outer Ctn.	EDP No.
* 1001	H	Φ1	—	—	—	25.4	10	487105
* 3002R/25	H	Φ2	6	12	—	25	10	489003
* 1002	H	Φ2	—	—	—	25.4	10	487106
* 1002X	X	Φ2	—	—	—	25.4	10	487502
* 5603/25	H	Φ3 × 0.5t	—	—	11	25	10	489061
* 5635/25	H	Φ3.5 × 0.55t	—	—	11	25	10	489678
* 1501	H	Φ4.76 × 0.86t	—	—	—	25.4	10	487120
* 1502	H	Φ5.56 × 1.02t	—	—	—	25.4	10	487121
* 1503	H	Φ6.35 × 1.07t	—	—	—	25.4	10	487122
* 1504	H	Φ7.14 × 1.17t	—	—	—	25.4	10	487123
* 1505	H	Φ8 × 1.27t	—	—	—	25.4	10	487124
* 30325/25	H	H2.5	3	4.5	11	25	10	489052
* 21005	H	H5	—	12.7	18	33.3	10	487143
* 3034/25	H	H4	4.75	6	11	25	10	489054
* 3036/25	H	H6	—	8	—	25	10	489056
* 3038/25	H	H8	—	10	—	25	10	489057
* 3760/25	H	BP H6	—	—	—	25	10	446407

No. B33 3-Flute Bit (For Bit Holder)

● Can be used by attaching to a bit holder.



Model No. (mm)	Heat treatment classification	Tip	L (mm)	Inner Ctn.	EDP No.
* 4002	H	TW2	25.4	10	446412
* 4004	H	TW4	25.4	10	446415

No. B33 Square Bits (For Bit Holder)

● Can be used by attaching to a bit holder.



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	EDP No.
SQ1×25.4 (3001)	H	10	487150



No. B33 Hex Bit (For Bit Holder)

● Can be used by attaching to a bit holder.



Model No. (mm)	Heat treatment classification	Tip	ℓ	L (mm)	Inner Ctn.	EDP No.
3048/34	H	H8	16	34	10	489105
3050/34	H	H10	16	34	10	489106

No. A4 TORX Bit

●Can be used by attaching to a bit holder.



Size Tip No.	mm	Overall Length (mm)	Inner Ctn.	EDP No.
T6	1.65	25.4	10	635400
T8	2.3	25.4	10	635401
T10	2.72	25.4	10	635402
T15	3.26	25.4	10	635403
T20	3.84	25.4	10	635404
T25	4.4	25.4	10	635405
T27	4.96	25.4	10	635406
T30	5.49	25.4	10	635407
T40	6.6	25.4	10	635408

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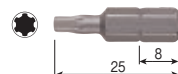


Model No.	Size	mm	Overall Length (mm)	Inner Ctn.	EDP No.
T3/25	T3	1.12	25	10	489154
T5/25	T5	1.37	25	10	489155
T7/25	T7	1.99	25	10	489157
T27/25	T27	4.96	25	10	489164
★ TF08/25	T8H	2.31	25	10	446392
★ TF09/25	T9H	2.5	25	10	446393
★ TF15/25	T15H	3.26	25	10	489168
★ TF25/25	T25H	4.43	25	10	489170
★ TF27/25	T27H	4.96	25	10	489171
TF30/25	T30H	5.49	25	10	489172

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No. IP TORX Plus Bit

●Can be used by attaching to a bit holder.



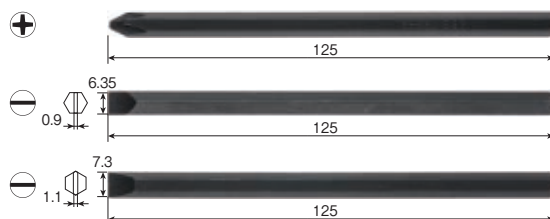
TORX

Size Tip No.	mm	Overall Length (mm)	Inner Ctn.	EDP No.
15IP	3.26	25	10	447204
20IP	3.84	25	10	447205
25IP	4.4	25	10	447206
30IP	5.49	25	10	447207
40IP	6.6	25	10	447208

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H 6.35 mm

No. C50 Impact Driver Bit



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	EDP No.
⊕ 1× 125	G	10	431301
⊕ 2× 125	G	10	431302
⊕ 3× 125	G	10	431303
⊖ 5× 125	G	10	431311
⊖ 6× 125	G	10	431312
⊖ 7× 125	G	10	431313

Applicable models

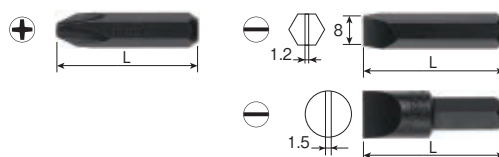
No.2300
No.2600A
No.230001
No.260002



Model No.	Contents	Set content	Inner Ctn.	EDP No.
2300• 2600A Bit Set	1 for each	C50 ⊕1, ⊕2, ⊕3, ⊖5, ⊖6, ⊖7×125mm	1	431701

H 8 mm

No. C51 Impact Driver Bit



Size Tip×Overall Length (mm)	Heat treatment classification	Inner Ctn.	Outer Ctn.	EDP No.
⊕ 2× 36	G	10	250	431041
80	G	10	250	431042
⊕ 3× 36	E	10	250	431051
80	E	10	250	431052
⊕ 4× 36	E	10	250	431061
⊖ 8× 36	E	10	250	431171
80	E	10	250	431172
⊖ 10× 36	E	10	250	431271
80	E	10	200	431272
⊖ 12× 36	E	10	200	431273

Applicable models

No.2500
No.240001
No.250001



Model No.	Contents	Set content	Inner Ctn.	Outer Ctn.	EDP No.
2500 Bit Set	1 for each	C51 ⊕2, ⊕3, ⊕4, ⊖10×36mm	1	50	431801

■ 9.5 mm Attachment for Impact Driver

No. S6 TORX Socket

●SQ9.5mm TORX sockets for impact wrenches



Size Tip×Overall Length (mm)	mm	d1 (mm)	EDP No.
T30× 75	▲	5.49 5.79	— 635681
T40× 75	▲	6.6 6.9	— 635682
T45× 75	▲	7.77 8.0	— 635683
T50× 75	▲	8.79 10.0	— 635684

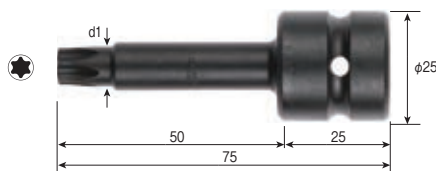
▲For the date of delivery, consult Vessel.

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.

■ 12.7 mm Attachment for Impact Driver

No. S8 TORX Socket

●SQ12.7mm TORX sockets for impact wrenches.



Size Tip×Overall Length (mm)	mm	d1 (mm)	EDP No.
T40× 75	▲	6.6 6.9	— 635691
T45× 75	▲	7.77 8.0	— 635692
T50× 75	▲	8.79 9.09	— 635693

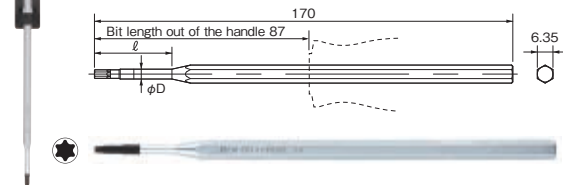
▲For the date of delivery, consult Vessel.

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.

No. BTX Blades for Torque Screwdrivers

- Blades for TORX screws.
- Adopted for replacement of chips of machine tools that has been going up in speed.

Cr-V Mo
Steel



Model No.	Tip	mm	ℓ (mm)	φD (mm)	Outer Ctn.	EDP No.
BTX06	T6	1.69	30	3.5	10	173206
BTX07	T7	1.97	30	3.5	10	173207
BTX08	T8	2.3	30	3.5	10	173208
BTX10	T10	2.72	30	3.5	10	173210
BTX15	T15	3.26	32	4.5	10	173215
BTX20	T20	3.84	34	5	10	173220

No. B IP Blades for Torque Screwdrivers

- Blades for TORX PLUS screws.
- Adopted for replacement of chips of machine tools that has been going up in speed.

TORX
Cr-V Mo
Steel



Model No.	Tip	mm	ℓ (mm)	φD (mm)	Outer Ctn.	EDP No.
B06IP	6IP	1.69	30	3.5	10	173106
B07IP	7IP	1.97	30	3.5	10	173107
B08IP	8IP	2.29	30	3.5	10	173108
B09IP	9IP	2.48	30	3.5	10	173109
B10IP	10IP	2.72	30	3.5	10	173110
B15IP	15IP	3.25	30	4.5	10	173111

No. BPH Blades for Torque Screwdrivers

- Blades for Phillips screws.
- Optimal for tightening control of various terminal blocks.

Cr-V Mo
Steel



Model No.	Tip	ℓ (mm)	φD (mm)	Outer Ctn.	EDP No.
BPH01	⊕1	35	5	10	173301
BPH02	⊕2	35	6	10	173302
BPH03	⊕3	—	—	10	173303

No. BHX Blades for Torque Screwdrivers

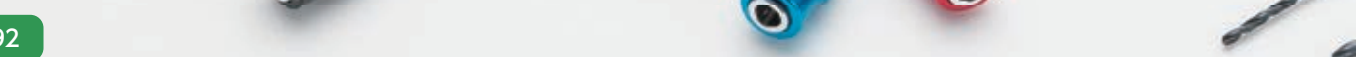
- Blades for hexagonal socket head bolts and set screw.
- Optimum for assembly of machines or automatic equipment.

Cr-V Mo
Steel



Model No.	Tip	mm	ℓ (mm)	φD (mm)	Outer Ctn.	EDP No.
BHX15	H1.5	1.5	29.5	3	10	173321
BHX20	H2	2	29.5	3	10	173322
BHX25	H2.5	2.5	29.5	3	10	173323
BHX30	H3	3	32	4	10	173324
BHX40	H4	4	34	5	10	173325
BHX50	H5	5	36	6	10	173326

BITS & SOCKETS



[illegible]

HAND TOOLS

BITS & SOCKETS

ELECTRIC TOOLS

[illegible]

AIR TOOLS

[illegible]

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

Ideal Bits for construction & facilities

BITS & SOCKETS TECHNICAL

Environmental Measures

RoHS

Pb (lead) / Cd (cadmium) / Hg (mercury) / Hexavalent chromium / PBB (polybrominated biphenyl) / PBDE (polybrominated diphenyl ether) / DEHP, BBP, DBP, DIBP (phthalate esters)

The products with this mark in this catalogue are compliant with the RoHS directives (EU) (usage limit of the above 10 substances).

Note: For the updated information on RoHS compliant products, visit our homepage, because some products or sizes are under investigation or are not compliant at the time of publication of this catalogue.



Rib PAT.

Magnum bit is an unconventional bit with reinforced ribs on its tip. Combining with optimal torsion part, it has realized excellent torque transmission and high durability. With high strength, this bit shows superb durability for various works.

102P
131P



GIZA

The jagged tip of our GIZA BIT prevents cam-out of cross-head screws. Just as the bit starts to cam-out, the jagged edges bite into the internal wall of the recess of the screw.

105P



EXTRA HARD

Our EXTRA HARD BITS have been hardened to a maximum hardness of 62 HRC. They are ideal for relatively hard screws such as stainless steel screws and board screws.

105P



TAPPING

Our TAPPING BITS are designed with thick wings and short flutes for extra strength, making them ideal for heavy-duty work such as driving sash screws of greater than 4mm in diameter.

105P



SLENDER

The tips of our SLENDER BIT series have been worked to a fine point, making it easy to see the heads of the screws. These bits are designed for soft joint work such as wood screws and resin tapping screws.

103P
104P



JAWS PAT.

Our JAWS BITS are perfect for working wood screws. From start to finish, these bits bite into the screw holes, allowing for increased work efficiency without fallen screws.

105P



Tapered shape (SAKISUBO BITS)

The constricted part of the bit reduces the vibration caused when the thread starts to enter the material and screw passes through wood grain, preventing cam out and allowing efficient works.

111P
123P
~125P
127P
131P

Carefully selected materials

With our long experience and research in manufacturing, we developed our own materials with hardness (less wearing) and toughness (hard to chip). Properties of the elements contained in the materials have been improved to an optimal level through a heat treatment process.

C...Carbon

The more carbon is contained, the greater hardening penetration becomes. When the carbon content is 0.6 % or more, abrasion resistance increases, although hardening penetration remains the same.

Ni...Nickel

The addition of small amount of nickel increases steel's shock resistance and toughness. When added in a large amount, it becomes weak and breaks easily.

Cr...Chrome

Hardenability increases. Oxidation resistance increases. Toughness is improved.

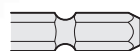
Mo...Molybdenum

Hardenability increases. Significant decrease in toughness can be prevented.





Drive



H 6.35 mm



H 6.35 mm

Ultra Hex

Special hexagonal cross section composed of the flat surfaces and the waved surfaces. The waved surfaces fit to the inner surface of chuck improving driving efficiency. In the meantime, the flat surfaces prevent shank from getting stuck in the chuck reducing damage to chuck.

102P
103P

Cushion ring

By minimizing the gap between chuck and bit, rattling and vibration are reduced.

103P

Plastic spring

Bits come out automatically with the help of spring when the sleeve of chuck is pulled, allowing users to pull out a bit with one hand. Useful to change heated bit

102P

Magnetized bits

These bits can capture screws with a strong magnetic force enhancing work efficiency.



Torsion part

Torsion part absorbs the impact caused when the screw head is fully seated by an impact driver, preventing tip breakage.

102P
~104P
111P
123P
~125P
127P
131P



$\phi 3.5 \times 20\text{mm}$

For soft joint such as fastening wood screws Suitable when fastened material is soft



$\phi 3.7 \times 14\text{mm}$

For hard joint such as drill fastening Suitable when fastened material is hard

No. GS

"GOSAI" Bits



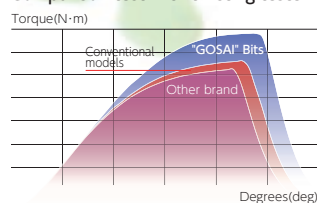
"Extra Superalloy" is VESSEL's new and unique steel material for bits. This is very enduring and ductile, determining reputation of VESSEL bits. Resistant to twist and breaking.

Extra Superalloy*

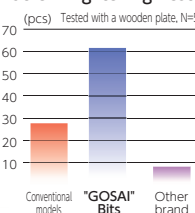
*Adopted to the items and sizes optimizing the material characteristics.

- The max hardness is HRC62. Resistant to breaking and twisting, and also transmitting the torque properly and assuredly, for reliable screw tightening.

Comparison test with twisting tester

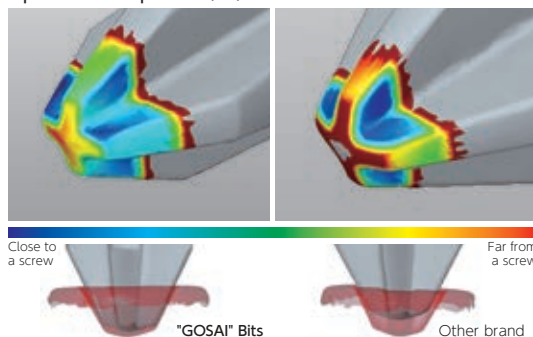


Screw Tightening Test



- Precise tip-end machining. High quality fitting. As the tip-end is not plated or painted, the cross shaped tip-end can fit various screws.

Tip-end 3D comparison (+0)



※The illustrations are for reference only.

No. GS14

Double End "GOSAI" bits

- Different colors applied to each size.
- Endurable and ductile.



HAND TOOLS

BITS & SOCKETS

ELECTRIC TOOLS

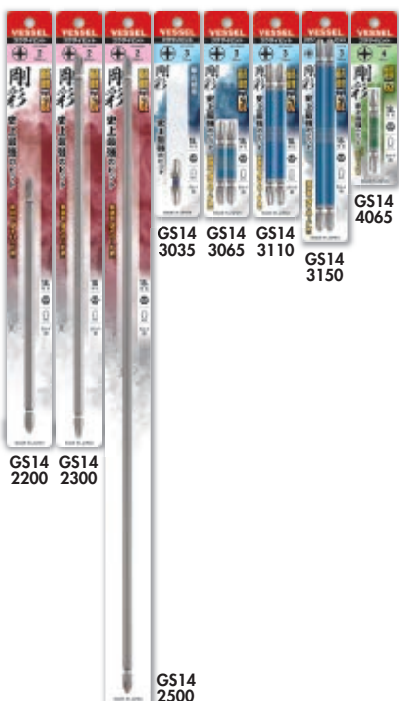
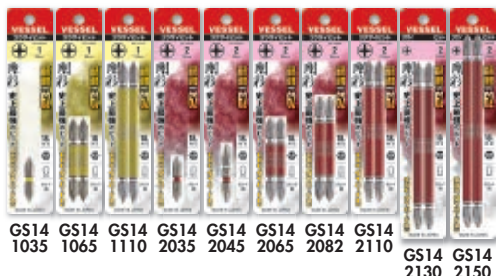
AIR TOOLS

STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

No. GS14 Double End "GOSAI" bits NEW

- Different colors applied to each size.
- Endurable and ductile.

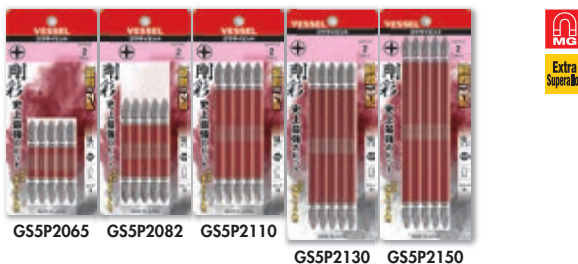


Model No.	Set Content	Package Size (mm)	EDP No.
GS141035	⌀1× 35 1pc.	160×35×8	485501
GS141065	⌀1× 65 2pcs.	160×35×8	485502
GS141110	⌀1×110 2pcs.	160×35×8	485503
GS142035	⌀2× 35 1pc.	160×35×8	485504
GS142045	⌀2× 45 1pc.	160×35×8	485505
GS142065	⌀2× 65 2pcs.	160×35×8	485506
GS142082	⌀2× 82 2pcs.	160×35×8	485507
GS142110	⌀2×110 2pcs.	160×35×8	485508
GS142130	⌀2×130 2pcs.	180×35×8	485509
GS142150	⌀2×150 2pcs.	180×35×8	485510
GS142200	⌀2×200 1pc.	340×35×8	485511
GS142300	⌀2×300 1pc.	340×35×8	485512
GS142500	⌀2×500 1pc.	540×35×8	485513
GS143035	⌀3× 35 1pc.	160×35×8	485514
GS143065	⌀3× 65 2pcs.	160×35×8	485515
GS143110	⌀3×110 2pcs.	160×35×8	485516
GS143150	⌀3×150 2pcs.	180×35×8	485517
GS144065	⌀4× 65 1pc.	135×35×8	485519

※ Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GS5P Double End "GOSAI" Bit 5-pc set NEW



Model No.	Set Content	Package Size (mm)	EDP No.
GS5P2065	⌀2× 65 5pcs.	160×70×8	485552
GS5P2082	⌀2× 82 5pcs.	160×70×8	485553
GS5P2110	⌀2×110 5pcs.	160×70×8	485554
GS5P2130	⌀2×130 5pcs.	180×70×8	485555
GS5P2150	⌀2×150 5pcs.	180×70×8	485556

※ Colors inside the table indicate the bit color.

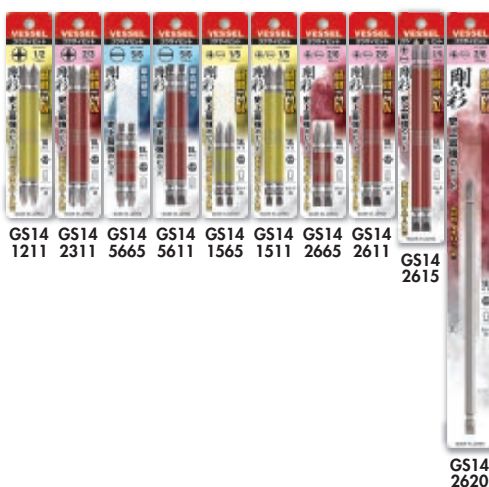
Inner Ctn.: 10 sets

No. GS14 Double End Combi "GOSAI" Bit NEW

- 2 different sizes are combined into one bit.



Except ⌀5, ⌀6



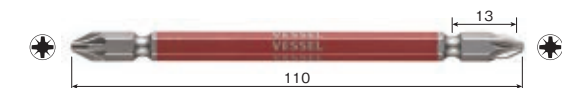
Model No.	Set Content	Package Size (mm)	EDP No.
GS141211	⌀1/⌀2×110 2pcs.	160×35×8	485520
GS142311	⌀2/⌀3×110 2pcs.	160×35×8	485518
GS145665	⌀5/⌀6× 65 2pcs.	160×35×8	485550
GS145611	⌀5/⌀6×110 2pcs.	160×35×8	485551
GS141565	⌀1/⌀5× 65 2pcs.	160×35×8	485521
GS141511	⌀1/⌀5×110 2pcs.	160×35×8	485522
GS142665	⌀2/⌀6× 65 2pcs.	160×35×8	485523
GS142611	⌀2/⌀6×110 2pcs.	160×35×8	485524
GS142615	⌀2/⌀6×150 2pcs.	180×35×8	485525
GS142620	⌀2/⌀6×200 1pc.	340×35×8	485526

※ Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GSPZ Double End POSIDRIV "GOSAI" Bit NEW

- For POSIDRIV screws.
- Special tip shape prevents cam-out.



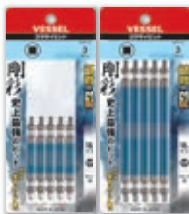
GSPZ 1110 GSPZ 2110 GSPZ 3110

Model No.	Content	Package Size (mm)	EDP No.
GSPZ1110	PZ1×110 1pc.	160×35×8	485564
GSPZ2110	PZ2×110 1pc.	160×35×8	485565
GSPZ3110	PZ3×110 1pc.	160×35×8	485566

※Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GS5P Double End Square "GOSAI" Bit, 5-pc set NEW



GS5P-42 GS5P-44



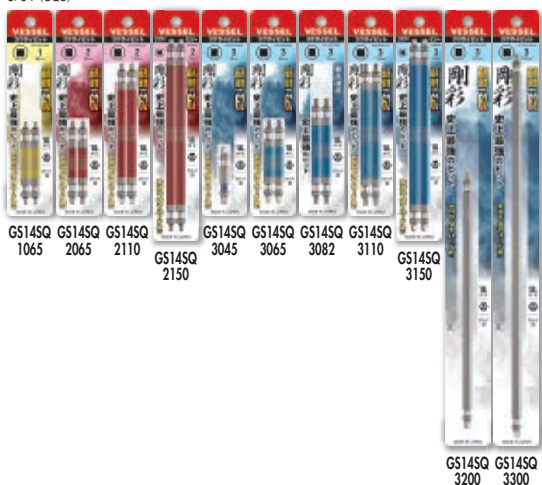
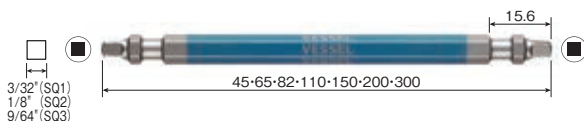
Model No.	Set Content	Package Size (mm)	EDP No.
GS5P-42	SQ3× 65 5pcs.	160×70×8	485634
GS5P-44	SQ3×110 5pcs.	160×70×8	485635

※Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GS14SQ Double End Square "GOSAI" Bit NEW

- For square head screws, popular for sash and/or quake-proof hardware.



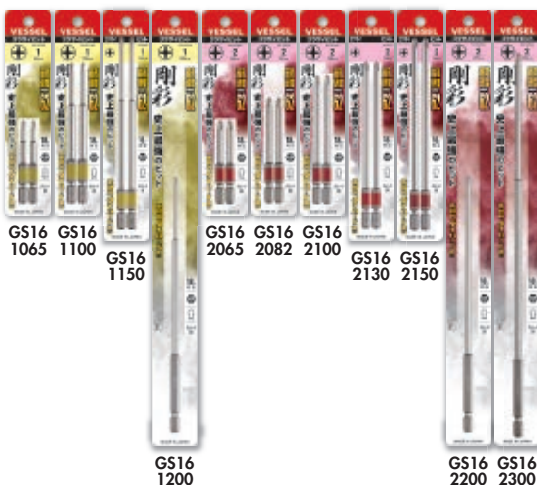
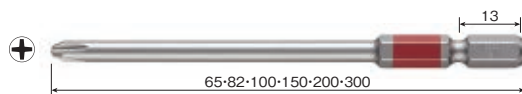
Model No.	Set Content	Package Size (mm)	EDP No.
GS14SQ1065	SQ1× 65 2pcs.	160×35×8	485623
GS14SQ2065	SQ2× 65 2pcs.	160×35×8	485624
GS14SQ2110	SQ2×110 2pcs.	160×35×8	485625
GS14SQ2150	SQ2×150 2pcs.	180×35×8	485626
GS14SQ3045	SQ3× 45 1pc.	160×35×8	485627
GS14SQ3065	SQ3× 65 2pcs.	160×35×8	485628
GS14SQ3082	SQ3× 82 2pcs.	160×35×8	485629
GS14SQ3110	SQ3×110 2pcs.	160×35×8	485630
GS14SQ3150	SQ3×150 2pcs.	180×35×8	485631
GS14SQ3200	SQ3×200 1pc.	340×35×8	485632
GS14SQ3300	SQ3×300 1pc.	340×35×8	485633

※Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GS16 Thin Shank "GOSAI" Bit NEW

- Thin shank model, good for use in a cramped space.



Model No.	Set Content	Package Size (mm)	EDP No.
GS161065	⊕1 × 65 2pcs.	160×35×8	485532
GS161100	⊕1 ×100 2pcs.	160×35×8	485533
GS161150	⊕1 ×150 2pcs.	180×35×8	485534
GS161200	⊕1 ×200 1pc.	340×35×8	485535
GS162065	⊕2 × 65 2pcs.	160×35×8	485536
GS162082	⊕2 × 82 2pcs.	160×35×8	485537
GS162100	⊕2 ×100 2pcs.	160×35×8	485538
GS162130	⊕2 ×130 2pcs.	180×35×8	485539
GS162150	⊕2 ×150 2pcs.	180×35×8	485540
GS162200	⊕2 ×200 1pc.	340×35×8	485541
GS162300	⊕2 ×300 1pc.	340×35×8	485542

※Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GS16 Precision Type "GOSAI" Bit NEW



Extra
Superbly

GS16 GS16 GS16 GS16 GS16
00065 00100 0065 0082 0100

Model No.	Set Content	Package Size (mm)	EDP No.
GS1600065	Φ00× 65 2pcs.	160×35×8	485527
GS1600100	Φ00×100 2pcs.	160×35×8	485528
GS160065	Φ0 × 65 2pcs.	160×35×8	485529
GS160082	Φ0 × 82 2pcs.	160×35×8	485530
GS160100	Φ0 ×100 2pcs.	160×35×8	485531

※Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GS16PL Slotted "GOSAI" Bit NEW

●For slotted screws.



MG
Except
Ø8



GS16 GS16 GS16 GS16 GS16 GS16
PL18 PL25 PL30 PL40 PL50 PL60 PL80

Model No.	Set Content	Package Size (mm)	EDP No.
GS16PL18	Ø1.8× 65 2pcs.	135×35× 8	485543
GS16PL25	Ø2.5× 65 2pcs.	135×35× 8	485544
GS16PL30	Ø3 × 65 2pcs.	135×35× 8	485545
GS16PL40	Ø4 × 65 2pcs.	135×35× 8	485546
GS16PL50	Ø5 × 65 2pcs.	135×35× 8	485547
GS16PL60	Ø6 × 65 2pcs.	135×35× 8	485548
GS16PL80	Ø8 × 65 1pc.	135×35×15	485549

※Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GS5P Thin Shank "GOSAI" Bit, 5-pc set NEW



MG
Extra
Superbly

GS5P1065D GS5P2065D GS5P2082D GS5P2100D
GS5P2130D GS5P2150D

Model No.	Set Content	Package Size (mm)	EDP No.
GS5P1065D	Φ1× 65 5pcs.	160×70×8	485636
GS5P2065D	Φ2× 65 5pcs.	160×70×8	485557
GS5P2082D	Φ2× 82 5pcs.	160×70×8	485637
GS5P2100D	Φ2×100 5pcs.	160×70×8	485558
GS5P2130D	Φ2×130 5pcs.	180×70×8	485559
GS5P2150D	Φ2×150 5pcs.	180×70×8	485560

※Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GS5P Assorted "GOSAI" Bit, 5-pc set NEW



GS5P-01 GS5P-02 GS5P-03

MG
Extra
Superbly
Except GS5P-03
Ø3, Ø4

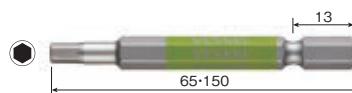
Model No.	Set Content	Package Size (mm)	EDP No.
GS5P-01	Double End Φ2/Ø6× 65 1pc.	160×70×8	485563
	Double End Φ2 ×110 1pc.		
	Double End Φ3 × 65 1pc.		
	Thin Shank Φ1 × 65 1pc.		
GS5P-02	Thin Shank Φ2 ×100 1pc.	160×70×8	485562
	Double End Φ1 × 65 1pc.		
	Double End Φ2 × 65 1pc.		
	Double End Φ2 ×110 2pcs.		
GS5P-03	Double End Φ3 × 65 1pc.	160×70×8	485561
	Thin Shank Φ00 × 65 1pc.		
	Thin Shank Φ0 × 65 1pc.		
	Thin Shank Φ1 × 65 1pc.		
	Thin Shank Φ3 × 65 1pc.		
	Thin Shank Φ4 × 65 1pc.		

※Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GSH HEX "GOSAI" Bit NEW

●For hexagon socket head cap bolts and screws.



MG
Extra
Superbly
Except H8 and
larger sizes



GSH 0155 GSH 0205 GSH 0255 GSH 0305 GSH 0405 GSH 0505 GSH 0605 GSH 0805 GSH 1005 GSH 1205 GSH 1405 GSH 1705

Model No.	Content	Package Size (mm)	EDP No.
GSH0155	H 1.5×65 1pc.	135×35× 8	485567
GSH0205	H 2 ×65 1pc.	135×35× 8	485568
GSH0255	H 2.5×65 1pc.	135×35× 8	485569
GSH0305	H 3 ×65 1pc.	135×35× 8	485570
GSH0405	H 4 ×65 1pc.	135×35× 8	485571
GSH0505	H 5 ×65 1pc.	135×35× 8	485572
GSH0605	H 6 ×65 1pc.	135×35× 8	485573
GSH0805	H 8 ×65 1pc.	135×35×10	485574
GSH1005	H 10 ×65 1pc.	135×35×22	485575
GSH1205	H 12 ×65 1pc.	135×35×22	485576
GSH1405	H 14 ×65 1pc.	135×35×22	485577
GSH1705	H 17 ×65 1pc.	135×35×22	485578

※Colors inside the table indicate the bit color.
(GSH1005, GSH1205, GSH1405, GSH1705 - Inner Ctn.: 5 sets)

No. GSH HEX "GOSAI" Bit, Long type **NEW**

GSH 020L GSH 025L GSH 030L GSH 040L GSH 050L GSH 060L GSH 080L

Model No.	Content	Package Size (mm)	EDP No.
GSH020L	H 2 × 150 1pc.	180×35× 8	485580
GSH025L	H 2.5×150 1pc.	180×35× 8	485581
GSH030L	H 3 × 150 1pc.	180×35× 8	485582
GSH040L	H 4 × 150 1pc.	180×35× 8	485583
GSH050L	H 5 × 150 1pc.	180×35× 8	485584
GSH060L	H 6 × 150 1pc.	180×35× 8	485585
GSH080L	H 8 × 150 1pc.	180×35×15	485586

*Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GS5P Assorted HEX "GOSAI" Bit, 5-pc set **NEW**

GS5P-31

GS5P-32

Model No.	Set Content	Package Size (mm)	EDP No.
GS5P-31	H 2.5× 65 1pc.	160×70×8	485579
	H 3 × 65 1pc.		
	H 4 × 65 1pc.		
	H 5 × 65 1pc.		
	H 6 × 65 1pc.		
GS5P-32	H 2.5×150 1pc.	180×70×8	485587
	H 3 ×150 1pc.		
	H 4 ×150 1pc.		
	H 5 ×150 1pc.		
	H 6 ×150 1pc.		

*Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GSVT TORX "GOSAI" Bit **NEW**

- For TORX screws.
- TORX bits manufactured by the TORX official licensee.
- Tamper-proof type (except T4 and T5).



GSVT 04S GSVT 05S GSVT 06SH GSVT 08SH GSVT 10SH GSVT 15SH GSVT 20SH GSVT 25SH GSVT 27SH GSVT 30SH

Model No.	Content	Package Size (mm)	EDP No.
GSVT04S	T4 × 65 1pc.	135×35×8	485603
GSVT05S	T5 × 65 1pc.	135×35×8	485604
GSVT06SH	T6H × 65 1pc.	135×35×8	485605
GSVT08SH	T8H × 65 1pc.	135×35×8	485606
GSVT10SH	T10H× 65 1pc.	135×35×8	485607
GSVT15SH	T15H× 65 1pc.	135×35×8	485608
GSVT20SH	T20H× 65 1pc.	135×35×8	485609
GSVT25SH	T25H× 65 1pc.	135×35×8	485610
GSVT27SH	T27H× 65 1pc.	135×35×8	485611
GSVT30SH	T30H× 65 1pc.	135×35×8	485612
GSVT40SH	T40H× 65 1pc.	135×35×8	485613

*Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GSVT TORX "GOSAI" Bit. Long type **NEW**

GSVT 10LH GSVT 15LH GSVT 20LH GSVT 25LH GSVT 27LH GSVT 30LH GSVT 40LH

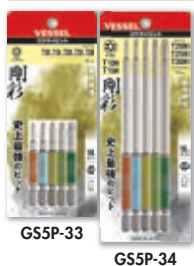
Model No.	Content	Package Size (mm)	EDP No.
GSVT10LH	T10H×150 1pc.	180×35×8	485615
GSVT15LH	T15H×150 1pc.	180×35×8	485616
GSVT20LH	T20H×150 1pc.	180×35×8	485617
GSVT25LH	T25H×150 1pc.	180×35×8	485618
GSVT27LH	T27H×150 1pc.	180×35×8	485619
GSVT30LH	T30H×150 1pc.	180×35×8	485620
GSVT40LH	T40H×150 1pc.	180×35×8	485621

*Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

VESSEL is an official licensee of TORX, which is a registered trademark of Accument TM Intellectual Properties, LLC (USA).

No. GS5P Assorted TORX "GOSAI" Bit, 5-pc set **NEW**



Model No.	Set Content	Package Size (mm)	EDP No.
GS5P-33	T10H× 65 1pc.	160×70×8	485614
	T15H× 65 1pc.		
	T20H× 65 1pc.		
	T25H× 65 1pc.		
	T30H× 65 1pc.		
GS5P-34	T10H×150 1pc.	180×70×8	485622
	T15H×150 1pc.		
	T20H×150 1pc.		
	T25H×150 1pc.		
	T30H×150 1pc.		

※Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GSBP Ball Point "GOSAI" Bit, Long type **NEW**



Extra
Super Alloy
Except
H8

Model No.	Content	Package Size (mm)	EDP No.
GSBP030L	H 3 ×150 1pc.	180×35× 8	485597
GSBP040L	H 4 ×150 1pc.	180×35× 8	485598
GSBP050L	H 5 ×150 1pc.	180×35× 8	485599
GSBP060L	H 6 ×150 1pc.	180×35× 8	485600
GSBP080L	H 8 ×150 1pc.	180×35×15	485601

※Colors inside the table indicate the bit color.

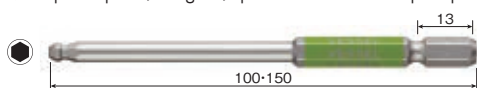
Inner Ctn.: 10 sets

No. GSBP Ball Point "GOSAI" Bit **NEW**

- For hexagon socket head cap bolts and screws.
- Ball point tip-end, tilting 26°, optimal for use in a cramped space.



Except
H10 H8, H10



GSBP 020S GSBP 025S GSBP 030S GSBP 040S GSBP 050S GSBP 060S GSBP 080S GSBP 100S

Model No.	Content	Package Size (mm)	EDP No.
GSBP020S	H 2 ×100 1pc.	160×35× 8	485588
GSBP025S	H 2.5×100 1pc.	160×35× 8	485589
GSBP030S	H 3 ×100 1pc.	160×35× 8	485590
GSBP040S	H 4 ×100 1pc.	160×35× 8	485591
GSBP050S	H 5 ×100 1pc.	160×35× 8	485592
GSBP060S	H 6 ×100 1pc.	160×35× 8	485593
GSBP080S	H 8 ×100 1pc.	160×35×15	485594
GSBP100S	H 10 ×100 1pc.	160×35×22	485595

※Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. GS5P Assorted Ball Point "GOSAI" Bit, 5-pc set **NEW**



Except
H8

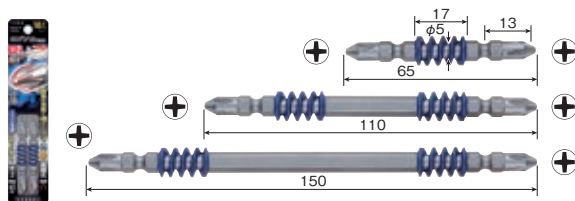
Model No.	Set Content	Package Size (mm)	EDP No.
GS5P-35	H 3 ×100 1pc.	160×70×15	485596
	H 4 ×100 1pc.		
	H 5 ×100 1pc.		
	H 6 ×100 1pc.		
	H 8 ×100 1pc.		
GS5P-36	H 3 ×150 1pc.	180×70×15	485602
	H 4 ×150 1pc.		
	H 5 ×150 1pc.		
	H 6 ×150 1pc.		
	H 8 ×150 1pc.		

※Colors inside the table indicate the bit color.

Inner Ctn.: 10 sets

No. MX14 Double End MAGNUM bit 2-Piece Set PAT.

- Long life with ribbed tip and torsion.
- Plastic spring facilitates bit replacement.

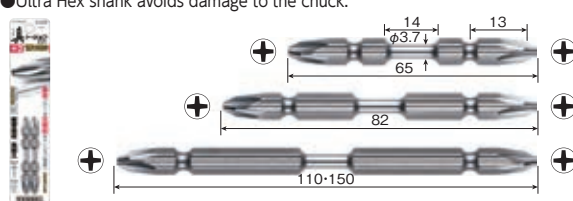


Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
MX142065	Φ2×Φ5× 65 2pcs.	H	160×35×8	485031
MX142110	Φ2×Φ5×110 2pcs.	H	160×35×8	485033
MX142150	Φ2×Φ5×150 2pcs.	H	210×35×8	485034

Inner Ctn.: 10 sets

No. RT "SUPER TORSION BIT" 2-Piece Set PAT.

- Tapered tip allows for easy view of small screw head.
- Combination of strong tip-end and torsion which is suitable for heavy works.
- Ultra Hex shank avoids damage to the chuck.



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
RT142065	Φ2×Φ3.7× 65 2pcs.	X	160×35×8	484461
RT142082	Φ2×Φ3.7× 82 2pcs.	X	160×35×8	484462
RT142110	Φ2×Φ3.7×110 2pcs.	X	160×35×8	484463
RT142150	Φ2×Φ3.7×150 2pcs.	X	210×35×8	484464

Inner Ctn.: 10 sets

No. MX5P Double End MAGNUM bit 5-Piece Set PAT.

MX5P2065 MX5P2110



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
MX5P2065	Φ2×Φ5× 65 5pcs.	H	160×70×8	485051
MX5P2110	Φ2×Φ5×110 5pcs.	H	160×70×8	485052

Inner Ctn.: 10 sets

No. RT5P "SUPER TORSION BIT" 5-Piece Set PAT.

RT5P2065 RT5P2082 RT5P2110

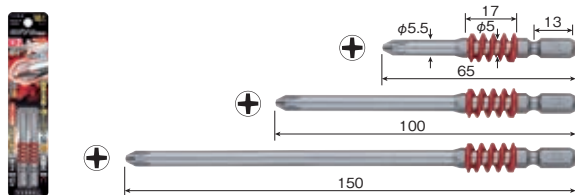


Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
RT5P2065	Φ2×Φ3.7× 65 5pcs.	X	160×70×8	484471
RT5P2082	Φ2×Φ3.7× 82 5pcs.	X	160×70×8	484472
RT5P2110	Φ2×Φ3.7×110 5pcs.	X	160×70×8	484473

Inner Ctn.: 10 sets

No. MX16 Recessed MAGNUM bit 2-Piece Set PAT.

- Long life with ribbed tip and torsion.
- Plastic spring facilitates bit replacement.



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
MX162065	Φ2×Φ5× 65 2pcs.	H	160×35×8	485035
MX162100	Φ2×Φ5×100 2pcs.	H	160×35×8	485037
MX162150	Φ2×Φ5×150 2pcs.	H	210×35×8	485038

Inner Ctn.: 10 sets

No. RT10P "SUPER TORSION BIT" 10-Piece Set PAT.

RT10P2065F RT10P2082F RT10P2110F



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
RT10P2065F	Φ2×Φ3.7× 65 10pcs.	X	143×87×7	413441
RT10P2082F	Φ2×Φ3.7× 82 10pcs.	X	143×87×7	413442
RT10P2110F	Φ2×Φ3.7×110 10pcs.	X	162×87×7	413443

Inner Ctn.: 10 sets

No. MX5P Recessed MAGNUM bit 5-Piece Set PAT.

MX5P2065D MX5P2100D

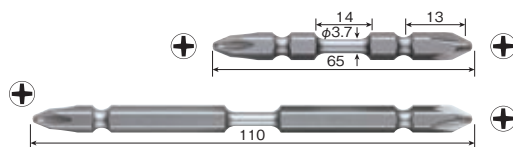


Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
MX5P2065D	Φ2×Φ5× 65 5pcs.	H	160×70×8	485053
MX5P2100D	Φ2×Φ5×100 5pcs.	H	160×70×8	485054

Inner Ctn.: 10 sets

No. MT MEGA TORSION BIT 2-Piece Set PAT.

- Jaws fit tip fits screw head hole.
- Torsion design suitable for heavy works.



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
MT142065	Φ2×Φ3.7× 65 2pcs.	X	160×35×8	484435
MT142110	Φ2×Φ3.7×110 2pcs.	X	160×35×8	484437

Inner Ctn.: 10 sets

No. MT5P MEGA TORSION BIT 5-Piece Set PAT.



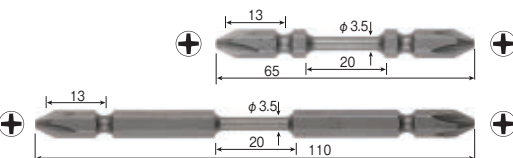
MT5P2065 MT5P2110

Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
MT5P2065	Φ2×Φ3.7× 65 5pcs.	X	160×70×8	484440
MT5P2110	Φ2×Φ3.7×110 5pcs.	X	160×70×8	484442

Inner Ctn.: 10 sets

No. AT TORSION BIT 2-Piece Set

- Absorbs efficiently the impact caused when screws are fully seated.
- Torsion design suitable for tightening wood screws.



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
AT142065	Φ2×Φ3.5× 65 2pcs.	H	160×35×8	486113
AT142110	Φ2×Φ3.5×110 2pcs.	H	160×35×8	486114

Inner Ctn.: 10 sets

No. BW TORSION BIT 5-Piece Set



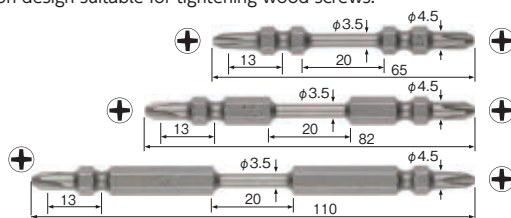
BW-163 BW-165

Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
BW-163	Φ2×Φ3.5× 65 5pcs.	H	140×70×23	486306
BW-165	Φ2×Φ3.5× 65 3pcs. Φ2×Φ3.5×110 2pcs.	H	140×70×23	486308

Provided with one bit holder. Outer Ctn.: 10 sets

No. ST SLENDER TORSION BIT 2-Piece Set PAT.

- Absorbs efficiently the impact caused when screws are fully seated.
- Tapered finished tip fits to slim screws.
- Torsion design suitable for tightening wood screws.



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
ST141065	Φ1×Φ3.5× 65 2pcs.	H	160×35×8	484400
ST142065	Φ2×Φ3.5× 65 2pcs.	H	160×35×8	484401
ST142082	Φ2×Φ3.5× 82 2pcs.	H	160×35×8	484403
ST142110	Φ2×Φ3.5×110 2pcs.	H	160×35×8	484402

Inner Ctn.: 10 sets

No. BW SLENDER TORSION BIT 5-Piece Set PAT.



BW-301 BW-302 BW-303 BW-305

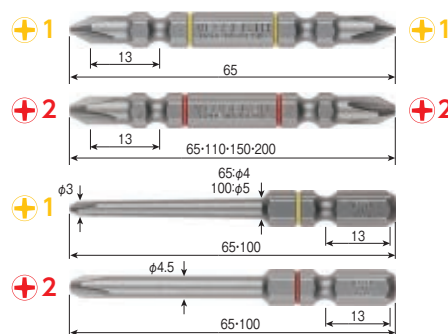
Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
BW-301	Φ2×Φ3.5× 65 5pcs.	H	140×70×23	486691
BW-302	Φ2×Φ3.5×110 5pcs.	H	140×70×23	486692
BW-303	Φ2×Φ3.5× 65 3pcs. Φ2×Φ3.5×110 2pcs.	H	140×70×23	486693
BW-305	Φ2×Φ3.5× 82 5pcs.	H	140×70×23	486694

Provided with one bit holder. Outer Ctn.: 10 sets

No. AC CUSHION BIT 2-Piece Set PAT.

PAT.

- Cushion ring is attached to reduce vibration.
- UltraHex shank avoids damage to the chuck.



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
AC141065	Φ1× 65 2pcs.	H	160×35×8	484376
AC142065	Φ2× 65 2pcs.	H	160×35×8	484378
AC142110	Φ2×110 2pcs.	H	160×35×8	484379
AC142150	Φ2×150 2pcs.	H	210×35×8	484380
AC142200	Φ2×200 2pcs.	H	260×35×8	484381
AC161065	Φ1×Φ4 × 65 2pcs.	H	160×35×8	484386
AC161100	Φ1×Φ5 ×100 2pcs.	H	160×35×8	484387
AC162065	Φ2×Φ4.5× 65 2pcs.	H	160×35×8	484388
AC162100	Φ2×Φ4.5×100 2pcs.	H	160×35×8	484389

※Colors inside the table cells indicate the ring color.

Inner Ctn.: 10 sets

No. AS SLENDER BIT 2-Piece Set

- Tapered finished tip fits to slim screws.
- For soft joint such as wood screws and resin tapping screws.



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
AS141065	Φ1× 65 2pcs.	H	160×35×8	486187
AS142045	Φ2× 45 2pcs.	H	160×35×8	486186
AS142065	Φ2× 65 2pcs.	H	160×35×8	486184
AS142110	Φ2×110 2pcs.	H	160×35×8	486185

Inner Ctn.: 10 sets

No. BW SLENDER BIT 5-Piece Set

BW-180 BW-181 BW-182



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
BW-180	Φ2× 65 5pcs.	H	140×70×23	486650
BW-181	Φ2×110 5pcs.	H	140×70×23	486651
BW-182	Φ2× 65 3pcs. Φ2×110 2pcs.	H	140×70×23	486652

Provided with one bit holder. Outer Ctn.: 10 sets

No. AS5P SLENDER BIT 5-Piece SetAS5P1065F AS5P2065F
AS5P2110F

Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
AS5P1065F	Φ1× 65 5pcs.	H	135×50×7	485441
AS5P2065F	Φ2× 65 5pcs.	H	135×50×7	485442
AS5P2110F	Φ2×110 5pcs.	H	160×50×7	485443

Inner Ctn.: 10 sets

No. AS20P SLENDER BIT 20-Piece SetAS20P2065F
AS20P2110F

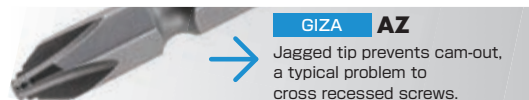
Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
AS20P2065F	Φ2× 65 20pcs.	H	143×87×14	484481
AS20P2110F	Φ2×110 20pcs.	H	162×87×14	484482

Inner Ctn.: 5 sets

One point

Bit Selection

- Different tip-end for various application.



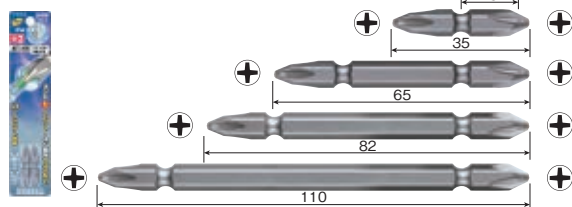
- Selection according to torsion effect

AL	AT/ST	RT/MT
Ball groove Impact is absorbed with the torsion effect at the tempered groove part.	Impact is absorbed by the torsion part (ø3.5 × 20mm).	Impact is absorbed by the torsion part (ø3.7 × 14mm).
HARD JOINT	SOFT JOINT	HARD JOINT
SOFT JOINT	HARD JOINT	SOFT JOINT
	When an instantaneous impact is given when the head of drill screw or tapping screw is fully seated	When the load is gradually increased such as in fastening wood screws

No. JA JAWS BIT 2-Piece Set

PAT.

- Jaws fit tip fits screw head hole.
- Reliable work possible as this tip prevents screws from falling over.



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
JA142035	⌀2× 35 2pcs.	H	160×35×8	484450
JA142065	⌀2× 65 2pcs.	H	160×35×8	484451
JA142082	⌀2× 82 2pcs.	H	160×35×8	484452
JA142110	⌀2×110 2pcs.	H	160×35×8	484453

Inner Ctn.: 10 sets

No. JA5P JAWS BIT 5-Piece Set

PAT.



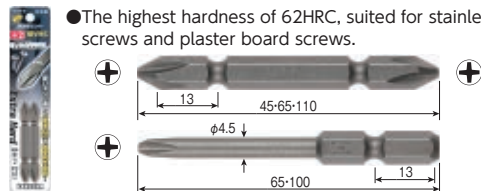
JA5P2065 JA5P2082 JA5P2110

Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
JA5P2065	⌀2× 65 5pcs.	H	160×70×8	484456
JA5P2082	⌀2× 82 5pcs.	H	160×70×8	484457
JA5P2110	⌀2×110 5pcs.	H	160×70×8	484458

Inner Ctn.: 10 sets

No. AX EXTRA HARD BIT 2-Piece Set

- The highest hardness of 62HRC, suited for stainless screws and plaster board screws.



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
AX142045	⌀2× 45 2pcs.	X	160×35×8	486192
AX142065	⌀2× 65 2pcs.	X	160×35×8	486193
AX142110	⌀2×110 2pcs.	X	160×35×8	486194
AX162065	⌀2×⌀4.5× 65 2pcs.	X	160×35×8	486195
AX162100	⌀2×⌀4.5×100 2pcs.	X	160×35×8	486196

Inner Ctn.: 10 sets

No. BW EXTRA HARD BIT 5-Piece Set



BW-36 BW-37 BW-38 BW-39

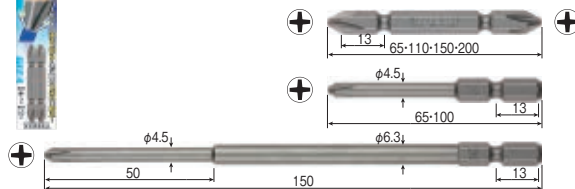
Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
BW-36	⌀2× 65 5pcs.	X	140×70×23	486596
BW-37	⌀2×110 5pcs.	X	140×70×23	486597
BW-38	⌀2×⌀4.5× 65 5pcs.	X	140×70×23	486598
BW-39	⌀2×⌀4.5×100 5pcs.	X	140×70×23	486599

Provided with one bit holder. Outer Ctn.: 10 sets

No. AZ GIZA BIT 2-Piece Set



- Jagged parts prevents cam-out.
- Suited for fastening screws in a poor footing unstable place.



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
AZ142065	⌀2× 65 2pcs.	H	160×35×8	486177
AZ142110	⌀2×110 2pcs.	H	160×35×8	486178
AZ142150	⌀2×150 2pcs.	H	210×35×8	486179
AZ142200	⌀2×200 2pcs.	H	260×35×8	486180
AZ162065	⌀2×⌀4.5× 65 2pcs.	H	160×35×8	486181
AZ162100	⌀2×⌀4.5×100 2pcs.	H	160×35×8	486182
AZ162150	⌀2×⌀4.5×⌀6.3×150 2pcs.	H	210×35×8	486183

Inner Ctn.: 10 sets

No. A14H TAPPING BIT 2-Piece Set

- Increased thickness of the cross blade recommended to heavy works.
- Suited for screws for sash frames with a thread size of about 4mm.

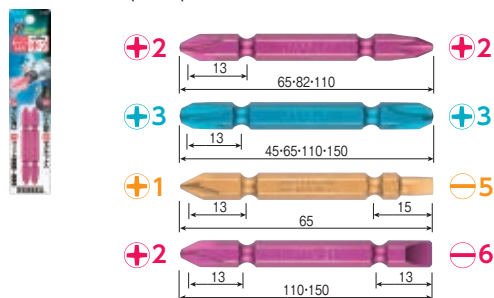


Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
A14H2065	⌀2× 65 2pcs.	H	160×35×8	486190
A14H2110	⌀2×110 2pcs.	H	160×35×8	486191

Inner Ctn.: 10 sets

No. IR14 IRO BIT (Color-coded Bit) 2-Piece Set

- Bits colored according to size.
- Excellent rust proof performance.



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
IR142065	Φ2×65 2pcs.	H	160×35×8	485104
IR142082	Φ2×82 2pcs.	H	160×35×8	485107
IR142110	Φ2×110 2pcs.	H	160×35×8	485105
IR143045	Φ3×45 2pcs.	H	160×35×8	485110
IR143065	Φ3×65 2pcs.	H	160×35×8	485111
IR143110	Φ3×110 2pcs.	H	160×35×8	485112
IR143150	Φ3×150 2pcs.	H	210×35×8	485113
IR141565	Φ1/Φ5×65 2pcs.	H	160×35×8	485120
IR142611	Φ2/Φ6×110 2pcs.	H	160×35×8	485122
IR142615	Φ2/Φ6×150 2pcs.	H	210×35×8	485123

*Colors inside the table cells indicate the bit color.

Inner Ctn.: 10 sets

No. IR5P IRO BIT (Color-coded Bit) 5-Piece Set



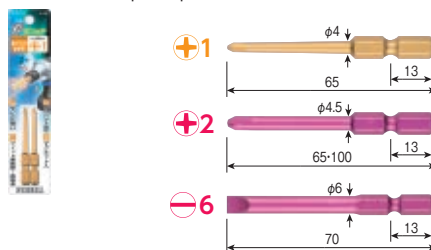
Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
IR5P2065F	Φ2×65 5pcs.	H	135×50×7	485167
IR5P2110F	Φ2×110 5pcs.	H	160×50×7	485168
IR5P3065F	Φ3×65 5pcs.	H	135×50×7	485169

*Colors inside the table cells indicate the bit color.

Inner Ctn.: 10 sets

No. IR16 Recessed IRO Bit (Color-coded Bit) 2-Pieces Set

- Bits colored according to size.
- Excellent rust proof performance.



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
IR161065	Φ1×Φ4 × 65 2pcs.	H	160×35×8	485132
IR162065	Φ2×Φ4.5×65 2pcs.	H	160×35×8	485134
IR162100	Φ2×Φ4.5×100 2pcs.	H	160×35×8	485136
IR166070	Φ6×Φ6 × 70 2pcs.	H	160×35×8	485131

*Colors inside the table cells indicate the bit color.

Inner Ctn.: 10 sets

No. IR5P Recessed IRO Bit (Color-coded Bit) 5-Pieces Set



IR5P2100DF

Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
IR5P2100DF	Φ2×Φ4.5×100 5pcs.	H	160×50×7	485171

*Colors inside the table cells indicate the bit color.

Inner Ctn.: 10 sets

No. IR5P IRO BIT (Color-coded Bit) 5-Piece Set

- Bits colored according to size.
- Excellent rust proof performance.



IR5P01

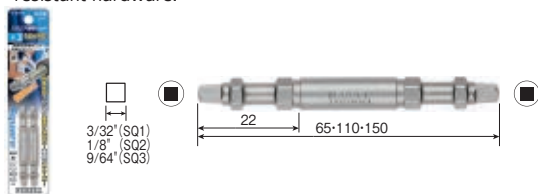
IR5P02

Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
IR5P01	Φ1×Φ4.0×65, Φ2×Φ4.5×100, Φ2/Φ6×65, Φ2×110, Φ3×65	H	160×70×8	485165
IR5P02	Φ1×65, Φ2×65 Φ3×65, Φ2×110(2pcs.)	H	160×70×8	485166

Inner Ctn.: 10 sets

No. A14SQ SQUARE DOUBLE END BIT 2-Piece Set

● Bit for square screws mostly used for sash frames and quake resistant hardware.

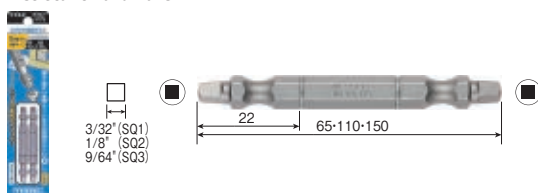


Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
A14SQ1065	SQ 1× 65 2pcs.	H	160×35×8	486219
A14SQ2065	SQ 2× 65 2pcs.	H	160×35×8	486208
A14SQ2110	SQ 2×110 2pcs.	H	160×35×8	486210
A14SQ2150	SQ 2×150 2pcs.	H	210×35×8	486220
A14SQ3065	SQ 3× 65 2pcs.	H	160×35×8	486209
A14SQ3110	SQ 3×110 2pcs.	H	160×35×8	486211
A14SQ3150	SQ 3×150 2pcs.	H	210×35×8	486221

Inner Ctn.: 10 sets

No. A14RSQ SQUARE DOUBLE END BIT 2-Piece Set

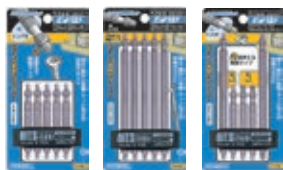
● Bit for square screws mostly used for sash frames and quake resistant hardware.



Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
A14RSQ1065	SQ 1× 65 2pcs.	H	160×35×8	486222
A14RSQ2110	SQ 2×110 2pcs.	H	160×35×8	486224
A14RSQ2150	SQ 2×150 2pcs.	H	210×35×8	486225
A14RSQ3065	SQ 3× 65 2pcs.	H	160×35×8	486226
A14RSQ3110	SQ 3×110 2pcs.	H	160×35×8	486227

Inner Ctn.: 10 sets

No. BW SQUARE DOUBLE END BIT 5-Piece Set



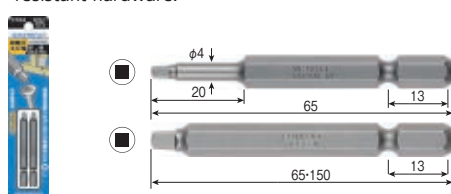
BW-401 BW-403 BW-407

Model No.	Contents	Heat treatment classification	Card size (mm)	EDP No.
BW-401	SQ 2× 65 5pcs.	H	140×70×23	486850
BW-403	SQ 2×110 5pcs.	H	140×70×23	486852
BW-407	SQ 2× 65 1pc.	H	140×70×23	486856
	SQ 3× 65 2pcs.	H		
	SQ 2×110 1pc.	H		
	SQ 3×110 1pc.	H		

Provided with one bit holder. Outer Ctn.: 10 sets

No. M16SQ Square bit 2-Piece Set

● Bit for square screws mostly used for sash frames and quake resistant hardware.



Model No.	Contents	Card size (mm)	EDP No.
M16SQ1065	SQ 1× 65 2pcs.	160×35×8	486155
M16SQ2065	SQ 2× 65 2pcs.	160×35×8	486156

Inner Ctn.: 10 sets

No. SM16H Hex Bit

- For hexagon socket head bolts or set screws commonly used for machines and facilities, cars and motorcycles.



Model No.	Contents	Card size (mm)	EDP No.
SM16H020	H 2 × 65 1pc.	135×35×8	486671
SM16H025	H 2.5 × 65 1pc.	135×35×8	486672
SM16H030	H 3 × 65 1pc.	135×35×8	486673
SM16H040	H 4 × 65 1pc.	135×35×8	486674
SM16H050	H 5 × 65 1pc.	135×35×8	486675
SM16H060	H 6 × 65 1pc.	135×35×8	486676
SM16H080	H 8 × 65 1pc.	135×35×8	486677

Inner Ctn.: 10 sets

No. SM16BP Ball Point Bit

- For bolts with holes or set screws commonly used for machines and facilities, cars and motorcycles.



Model No.	Contents	Card size (mm)	EDP No.
SM16BP40	H 4 × 82 1pc.	160×35×8	486696
SM16BP50	H 5 × 82 1pc.	160×35×8	486697
SM16BP60	H 6 × 82 1pc.	160×35×8	486698

Inner Ctn.: 10 sets

No. BW Hex Bit 5-Piece Set



BW-31

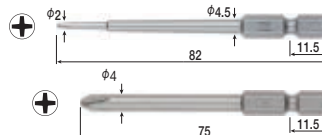


Model No.	Contents	Card size (mm)	EDP No.
BW-31	H2.5, 3, 4, 5, 6×65 1 for each	140×70×23	486591

Provided with one bit holder. Outer Ctn.: 10 sets

No. D83 Bit 2-Piece Set

- Stepped shape useful for fastening screws in narrow spaces.



Model No.	Contents	Card size (mm)	EDP No.
D830082	⌀0×⌀2 × ⌀4.5× 82 2pcs.	160×35×8	486287
D831075	⌀1×⌀4 × 75 2pcs.	160×35×8	486283

Inner Ctn.: 10 sets

No. SMVT TORX Bit (Tamper-Proof)

- For TORX screws used in the automobile industry.
- With a round hole for tamper-proof.



Model No.	Contents	Card size (mm)	EDP No.
SMVT08H	T 8H× 65 1pc.	135×35×8	486681
SMVT10H	T10H× 65 1pc.	135×35×8	486682
SMVT15H	T15H× 65 1pc.	135×35×8	486683
SMVT20H	T20H× 65 1pc.	135×35×8	486684
SMVT25H	T25H× 65 1pc.	135×35×8	486685
SMVT27H	T27H× 65 1pc.	135×35×8	486686
SMVT30H	T30H× 65 1pc.	135×35×8	486687
SMVT40H	T40H× 65 1pc.	135×35×8	486688

Inner Ctn.: 10 sets

No. M16 Bit for small precision screws 2-Piece Set

- Stepped shape useful for fastening screws in narrow spaces.

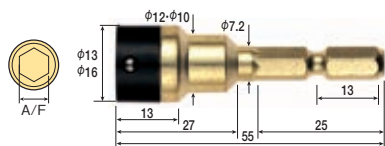


Model No.	Contents	Card size (mm)	EDP No.
M160082	⌀0×⌀2×⌀4.5× 82 2pcs.	160×35×8	486158

Inner Ctn.: 10 sets

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.

No. GSB Gold Color Nut Setter (Locked with ball)



Model No.	Contents	Card size (mm)	EDP No.
GSB8055	A/F 5/16"×55(for 5mm) 1pc.	135×35	486511
GSB9655	A/F 3/8"×55(for 6mm) 1pc.	135×35	486512

Inner Ctn: 5 sets

Inner Ctn.: 5 sets

No. BW-70 Socket Bit Belt

Model No.	Contents	Card size (mm)	EDP No.
BW-70	A/F 8×60 A/F 10×60 A/F 12×60 A/F 13×60 A/F 14×60 1 for each	140×80×23	486705

Provided with one bit holder. Outer Ctn.: 5 sets

No. GSAM Gold Color Nut Setter (Magnetic)



Model No.	Contents	Card size (mm)	EDP No.
GSAM8055	A/F 5/16"×55(for 5mm) 1pc.	135×35	486501
GSAM9655	A/F 3/8"×55(for 6mm) 1pc.	135×35	486502

Inner Ctn.: 5 sets

No. SB Nut Setter (For power tools)



Model No.	Contents	Card size (mm)	EDP No.
SB A/F 5/16"×55	A/F 5/16"×55(for 5mm) 5pcs.	127×87×15	482531
SB A/F 3/8"×55	A/F 3/8"×55(for 6mm) 5pcs.	127×87×15	482532

Outer Ctn.: 10 sets

No. GMA Gold Bits (in zip pack)

- Packed in a bag with a zipper for easy storage.
- Gold finish that stands out in the site.



Model No.	Contents	Heat treatment classification	Package size (mm)	EDP No.
GMA14 $\Phi 2 \times 45\text{H}$	GM14 $\Phi 2 \times 45$ 10pcs.	H	145×80×7	410150
GMA14 $\Phi 2 \times 65\text{H}$	GM14 $\Phi 2 \times 65$ 10pcs.	H	145×80×7	410153
GMA14 $\Phi 2 \times 110\text{H}$	GM14 $\Phi 2 \times 110$ 10pcs.	H	190×80×7	410156
GMA16 $\Phi 1 \times \phi 3 \times 65\text{H}$	GM16 $\Phi 1 \times \phi 3 \times 65$ 10pcs.	H	145×80×7	418303
GMA16 $\Phi 1 \times \phi 3 \times 100\text{H}$	GM16 $\Phi 1 \times \phi 3 \times 100$ 10pcs.	H	190×80×7	418306
GMA16 $\Phi 2 \times \phi 4.5 \times 65\text{H}$	GM16 $\Phi 2 \times \phi 4.5 \times 65$ 10pcs.	H	145×80×7	418313
GMA16 $\Phi 2 \times \phi 4.5 \times 100\text{H}$	GM16 $\Phi 2 \times \phi 4.5 \times 100$ 10pcs.	H	190×80×7	418316

Inner Ctn.: 10 sets

No. D80 Cordless Screwdriver Bit



Model No.	Contents	Card size (mm)	EDP No.
D80	① ② ③ 6.3×50 1 for each	125×55×8	482301

Inner Ctn.: 1 set, Outer Ctn.: 50 sets

No. BB Bit Belt Holder



Model No.	Contents	Package size (mm)	EDP No.
BB-5	Bit Belt Holder for 5pcs.	158×78×28	486579
BB-10	Bit Belt Holder for 10pcs.	118×98×38	486580

Outer Ctn.: 10 sets

No. VBA Double End Power Bit (w/Bit Belt)

- Holder included for hanging from the waist belt.
- Anti-rust surface treatment.
- Popular 2 sizes available.



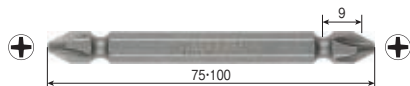
Model No.	Contents	Card size (mm)	EDP No.
VBA20651	Non-electrolytic plated bit $\Phi 2 \times 65$ mm 10pcs.	50×100	484056
VBA21101	Non-electrolytic plated bit $\Phi 2 \times 110$ mm 10pcs.	85×120	484057

with one piece of holder case Inner Ctn.: 10 sets

No. BMG43 Bit Mag Bottle 20-pc Set Double End Bits (B-type)

PAT.

- Basic bits which are long popular in assembly factories.
- Optimal for hard joint parts such as tapping and machine screws.
- Integrated magnetizer in the cap to magnetize/demagnetize bits.
- Provided with a ring to hang onto hooks.



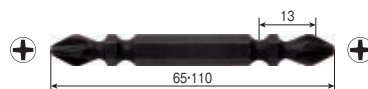
Model No.	Contents	Heat treatment classification	Bottle size (mm)	EDP No.
BMG43 $\Phi 2 \times 100$ H	$\Phi 2 \times 100$ 20pcs.	H	53×100×153	415282

Inner Ctn.: 5 sets

No. SMG14 Bit Mag Bottle 20-pc Set SAKISUBO Double End Bits

PAT.

- Tip is easy to see, and the torsion effect of the constricted part produces great durability.
- Used for soft joints such as wood screw work.
- Integrated magnetizer in the cap to magnetize/demagnetize bits.
- Provided with a ring to hang onto hooks.



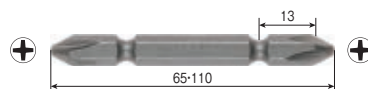
Model No.	Contents	Heat treatment classification	Bottle size (mm)	EDP No.
SMG14 $\Phi 2 \times 65$ H	$\Phi 2 \times 65$ 20pcs.	H	53×100×111	415283
SMG14 $\Phi 2 \times 110$ H	$\Phi 2 \times 110$ 20pcs.	H	53×100×153	415284

Inner Ctn.: 5 sets

No. AMG14 Bit Mag Bottle 20-pc Set Double End Bits (A-type)

PAT.

- Basic bits which are long popular in assembly factories.
- Optimal for hard joint parts such as tapping and machine screws.
- Integrated magnetizer in the cap to magnetize/demagnetize bits.
- Provided with a ring to hang onto hooks.

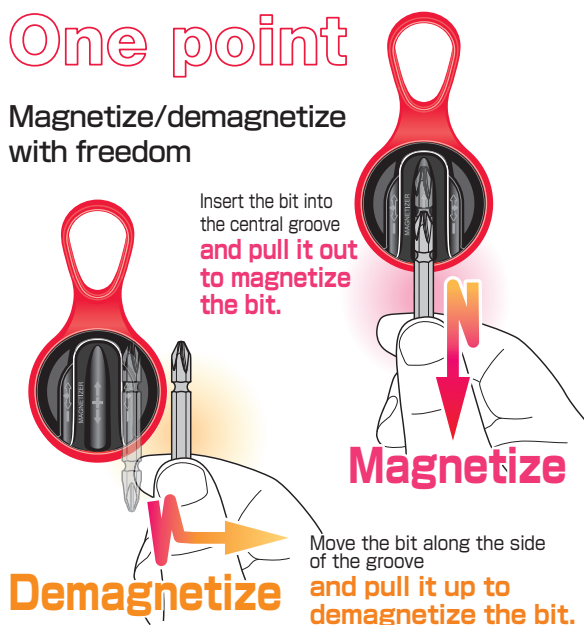


Model No.	Contents	Heat treatment classification	Bottle size (mm)	EDP No.
AMG14 $\Phi 2 \times 65$ H	$\Phi 2 \times 65$ 20pcs.	H	53×100×111	415285
AMG14 $\Phi 2 \times 110$ H	$\Phi 2 \times 110$ 20pcs.	H	53×100×153	415286

Inner Ctn.: 5 sets

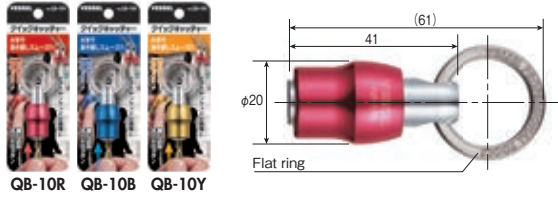
One point

Magnetize/demagnetize with freedom



No. QB-10 Quick Catcher

- Bit can be replaced with just one hand.
- Smooth surface finish and pull-up type sleeve prevent tools from dropping.
- Strong ball chuck enables to mount a tool up to 500g.
- Flat ring with large diameter is easy to mount on carabiners, etc.



Model No.	Contents	Card size (mm)	EDP No.
QB-10R	Quick Catcher (Red) 1pc.	135×50×22	486921
QB-10B	Quick Catcher (Blue) 1pc.	135×50×22	486922
QB-10Y	Quick Catcher (Yellow) 1pc.	135×50×22	486923

Inner Ctn.: 10 sets Outer Ctn.: 10 sets

No. QB-K3C Quick Catcher 3-Piece Set

- Bit can be replaced with just one hand.
- Smooth surface finish and pull-up type sleeve prevent tools from dropping.
- Strong ball chuck enables to mount a tool up to 500g.
- Provided with a carabiner to hang onto your belt, etc.



Model No.	Contents	Card size (mm)	EDP No.
QB-K3C	Quick catcher (Red-Blue-Yellow), Carabiner (Black) 1 for each	135×50×50	486924

Inner Ctn.: 10 sets Outer Ctn.: 100 sets

No. QB-KBAD Quick Catcher with Key Adapter

- Bit can be replaced with just one hand.
- Smooth surface finish and pull-up type sleeve prevent tools from dropping.
- Strong ball chuck enables to mount a tool up to 500g.
- Provided with a carabiner to hang onto your belt, etc.

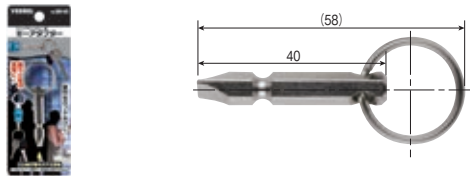


Model No.	Contents	Card size (mm)	EDP No.
QB-KBAD	Quick catcher (Black), Key adapter, Carabiner (Black) 1 for each	135×50×31	486925

Inner Ctn.: 10 sets Outer Ctn.: 100 sets

No. QB-AD Key Adapter

- Key adapter for Quick Catcher QB series.
- A flat blade for prizing, which can also be used to open paint can lids.
- Flat ring with large diameter is easy to mount on carabiners, etc.



Model No.	Contents	Card size (mm)	EDP No.
QB-AD	Key adapter 1pc.	135×50×9	486926

Inner Ctn.: 10 sets Outer Ctn.: 100 sets

One point

Insert/withdraw with just one hand

Pinch sleeve up to withdraw.

Insert, and automatically locks



No. SL

GO-TAN Semi-Long socket



Medium length socket characterized by carefully polished mirror finish. Smooth streamlined design fits comfortably in your hand.

Light-weight Deep Hole Sockets are good especially for installation and/or roof work of solarpanels, which are expanding.

A D V A N C E D

PRESS-FIT

T E C H N O L O G Y



Improved strength against shank breakage, press fit type



No. SL

"GO-TAN" Semi-long Socket

The most versatile medium length socket
Plane contact type hex socket
Streamlined mirror finish body fits your hand
and has an excellent rust-proof performance.

HAND TOOLS

BITS & SOCKETS

ELECTRIC TOOLS

AIR TOOLS

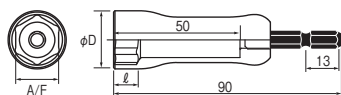
STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

No. SL "GO-TAN" (Hard Forged) Semi-long Socket



- The most versatile medium length socket.
- Streamlined mirror finish (chrome plating) and excellent rust-proof sockets.
- Plane contact type hex socket.



←See P100

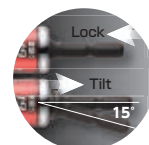
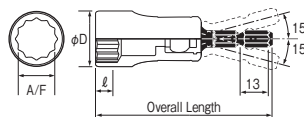
Model No.	A/F	φD	ℓ	Overall Length (mm)	Card size (mm)	EDP No.
SL200790	7	11	6.5	90	143×35	486741
SL200890	8	14	6.5	90	143×35	486731
SL200990	9	15	6.5	90	143×35	486742
SL201090	10	16	6.5	90	143×35	486732
SL201190	11	17	7	90	143×35	486743
SL201290	12	18	7.5	90	143×35	486733
SL201390	13	19	8	90	143×35	486734
SL201490	14	20	8	90	143×35	486735
SL201590	15	21	8	90	143×35	486744
SL201790	17	23	9	90	143×35	486736
SL201990	19	25	10	90	143×35	486737
SL202190	21	28	11	90	143×35	486738
SL202290	22	29	12	90	143×35	486739
SL202490	24	32	13	90	143×35	486740

*The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 100 sets

No. WSA "GO-TAN" (Hard Forged) Tilt Short Socket



- Pull the shank for tilting use. Push the shank toward the socket to fix.
- Recommended to the work more in a cramped space than at a sharp corner of a space.
- Tilting angle 15° assures superior torque transmission. The socket does not wobble and does not damage nuts.



Model No.	A/F	φD	ℓ	Overall Length (mm)	Card size (mm)	EDP No.
WSA2008	8	13	6.5	75	130×35	486751
WSA2010	10	16	6.5	75	130×35	486752
WSA2012	12	18	7.5	75	130×35	486753
WSA2013	13	19	8	75	130×35	486754
WSA2014	14	20	8	75	130×35	486755
WSA2017	17	23	9	75	130×35	486756
WSA2019	19	25	10	75	130×35	486757
WSA2021	21	28	11	80	140×35	486758
WSA2024	24	32	13	85	145×35	486759

*The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 100 sets

No. WSA209PS

"GO-TAN" (Hard Forged) Tilt Short Socket 9-Piece Set

- Pull the shank for tilting use. Push the shank toward the socket to fix.
- Recommended to the work more in a cramped space than at a sharp corner of a space.
- Tilting angle 15° assures superior torque transmission. The socket does not wobble and does not damage nuts.



Model No.	Set Contents	Case size (mm)	EDP No.
WSA209PS	"GO-TAN" (Hard Forged) Tilt Short Socket 1 for each A/F8, 10, 12, 13, 14, 17, 19, 21, 24	227×105×38	486760

No. SL209PS "GO-TAN" (Hard Forged) Semi-long Socket 9-Piece Set

- Combination of the most versatile medium length sockets.
- Streamlined mirror finish (chrome plating) and excellent rust-proof sockets.
- Plane contact type hex socket.

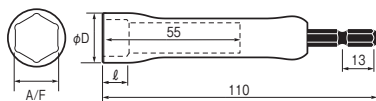


Model No.	Set Contents	Case size (mm)	EDP No.
SL209PS	"GO-TAN" (Hard Forged) Semi-long Socket 1 for each A/F8, 10, 12, 13, 14, 17, 19, 21, 24	227×105×38	486745

No. TA "GO-TAN" (Hard Forged) Mirror Socket PAT.



- With a shank press-fit into the socket with resin, suppressing the concentration of stress on the shank part when impact is applied.
- Streamlined mirror finish (chrome plating) and excellent rust-proof sockets.
- Plane contact type hex socket.



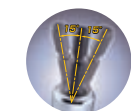
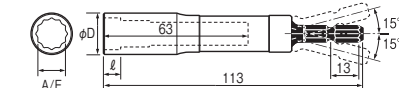
Model No.	A/F	φD	ℓ	Overall Length (mm)	Card size (mm)	EDP No.
TA200811	8	14	6.5	110	165×35	485008
TA201011	10	16	6.5	110	165×35	485010
TA201211	12	18	7.5	110	165×35	485012
TA201311	13	19	8	110	165×35	485013
TA201411	14	20	8	110	165×35	485014
TA201711	17	23	9	110	165×35	485017
TA201911	19	25	10	110	165×35	485019
TA202111	21	28	11	110	165×35	485021
TA202211	22	29	13	110	165×35	485022
TA202411	24	32	13	110	165×35	485024

*The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 100 sets

No. WA Tilt Socket

PAT.

- Usually can be used as deep length socket, but at a corner can be used as a tilting socket.
- Plane contact type dodecagonal socket allows for easy fitting to bolts and nuts, improving working performance.

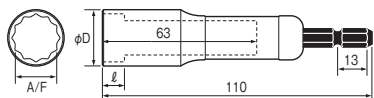


Model No.	A/F	φD	ℓ	Overall Length (mm)	Card size (mm)	EDP No.
WA201011	10	16	6.5	113	165×35	486361
WA201211	12	18	7.5	113	165×35	486362
WA201311	13	19	8	113	165×35	486363
WA201411	14	20	8	113	165×35	486364
WA201711	17	23	9	113	165×35	486365
WA201911	19	25	10	113	165×35	486366
WA202111	21	28	11	113	165×35	486367
WA202211	22	29	13	113	165×35	486368
WA202411	24	32	13	113	165×35	486369

※The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 100 sets

No. LA Deep Hole Socket

- Deep hole socket suitable for nut tightening work.
- Plane contact type dodecagonal socket allows for easy fitting to bolts and nuts, improving working performance.



Model No.	A/F	φD	ℓ	Overall Length (mm)	Card size (mm)	EDP No.
LA200811	8	14	6.5	110	165×35	486140
LA201011	10	16	6.5	110	165×35	486141
LA201211	12	18	7.5	110	165×35	486142
LA201311	13	19	8	110	165×35	486143
LA201411	14	20	8	110	165×35	486144
LA201711	17	23	9	110	165×35	486145
LA201911	19	25	10	110	165×35	486146
LA202111	21	28	11	110	165×35	486147
LA202211	22	29	13	110	165×35	486148
LA202411	24	32	13	110	165×35	486149

※The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 100 sets (LA202411 is supplied only by inner ctn.)

One point

Various applications of socket bits



For assembly and disassembly of electric appliances, hex tapping screws, and bolt and nut tightening

5.5 mm



For mounting casters and adjust bolts, and pipe saddles to ALC, etc.

7 mm



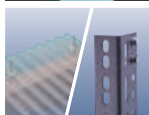
For corrugated panels (hook bolts), folded plate roof materials, and drill screws to be used between roof frames, etc.

8 mm



For mounting fixtures to C-shape steel (drill screws, etc.)

9.6 mm



For corrugated panels (hook bolts), steel furniture assembly, lag screws, etc.

10 mm



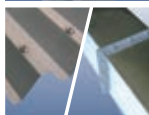
For corrugated slate panels (hook bolts), form work equipment (plastic cones), etc.

12 mm



For mounting members to cavity walls (hanger bolts for cavity walls), lag screws, facility, piping work, etc.

13 mm



For placing folded plate roof (roof bolts), duct mounting, facility, piping work, etc.

14 mm



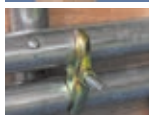
For scaffolding work (clamps), cable rack assembly, lag screws, etc.

17 mm



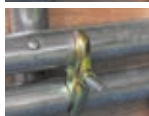
For strap bolts, lag screws, etc.

19 mm



For form tie nuts, strap bolts, lag screws, etc.

21 mm



Useful when concrete is attached to a form tie nut

22 mm



For hole-down joint metals (bolt with washer, anchor bolt), etc.

24 mm

HAND TOOLS

BITS & SOCKETS

ELECTRIC TOOLS

AIR TOOLS

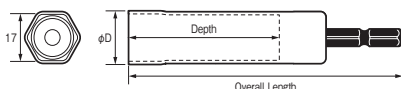
STATIC SOLUTIONS

GASOLINE ENGINE TOOLS

No. KAR20 Strut Channel Socket



- Very thin hexagonal socket, preventing its head from being obstructed by the strut channel frame.
- Special hexagonal shape in consideration of less damage on each edge of the nut.
- Deep hole in the box assuring to tighten long head screws, too.



Model No.	A/F	φD	Depth	Overall Length (mm)	Card size (mm)	EDP No.
KAR201710	17	19.9	55	100	155×35×21	357489
KAR201715	17	19.9	105	150	205×35×21	357496

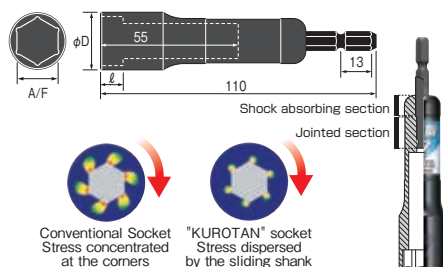
Inner Ctn: 5 sets

No. HA "KUROTAN" Socket

PAT.



- Professional's preferred all black finish.
- Improved durability as unique shank structure disperses the impact.
- Plane contact type hex socket.



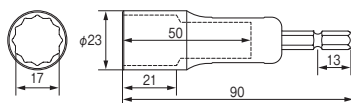
Model No.	A/F	φD	ℓ	Overall Length (mm)	Card size (mm)	EDP No.
HA201911	19	25	10	110	160×35	486117
HA202111	21	28	11	110	160×35	486118

*The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 100 sets

No. LAS Scaffolding Worker's Socket



- Socket for scaffolding corresponding to clamps.
- Plane contact type dodecagonal socket allows for easy fitting to bolts and nuts, improving workability.

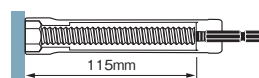


Model No.	A/F	Outer Diameter φ	ℓ	Overall Length (mm)	Card size (mm)	EDP No.
LAS20179	17	23	21	90	146×35	486150

*The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 100 sets

No. XA Drop-ceiling Socket

- Suited for tightening nuts when the projecting part is long.
- Useful for mounting duct and tightening hanging bolts.
- Plane contact type dodecagonal socket.



Handy for tightening protruding bolts.

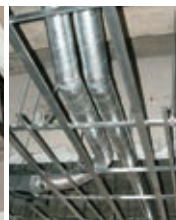
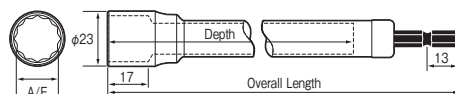


Model No.	A/F	φD	ℓ	Overall Length (mm)	Card size (mm)	EDP No.
XA201715	17	23	9	160	217×35	486132
XA201915	19	25	10	160	217×35	486133
XA202115	21	28	11	160	217×35	486134
XA202415	24	32	13	160	217×35	486131

*The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 50 sets

No. KA Drop-ceiling Socket

- Super long size socket with a deep hole.
- The diameter of the deep hole part is designed to be as small as the size of the thread, realizing light weight and making overhead position work easier.
- Plane contact type dodecagonal socket.



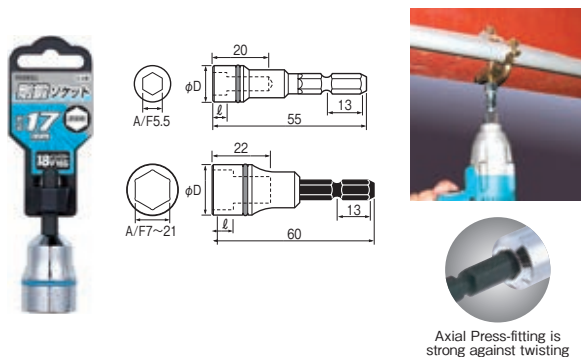
Model No.	A/F	Outer Diameter φ	Depth	Overall Length (mm)	Card size (mm)	EDP No.
KA201730	17	23	255	300	355×35	484421
KA201750	17	23	455	500	555×35	484422
KA201770	17	23	655	700	755×35	484423

*The colors of the A/F column in the table indicate the seal colors.

Inner Ctn: 5 sets

No. SA "GO-TAN" Socket

- Basic sockets.
- Plane contact type hexagonal socket allowing for excellent durability.

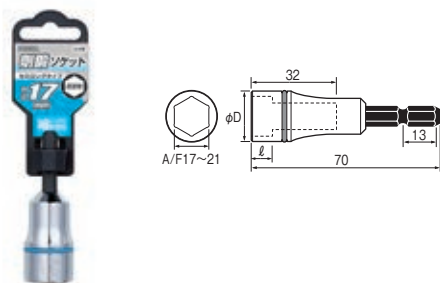


Model No.	A/F	φD	ℓ	Overall Length (mm)	Card size (mm)	EDP No.
SA205555	5.5	10	3.5	55	110×35	486230
SA200755	7	13	5	60	115×35	486231
SA200860	8	13.5	6.5	60	115×35	486232
SA209660	9.6	16	6.5	60	115×35	486233
SA201060	10	16	6.5	60	115×35	486234
SA201260	12	18	8	60	115×35	486235
SA201360	13	19	8	60	115×35	486236
SA201460	14	20	8	60	115×35	486237
SA201760	17	23	9	60	115×35	486238

※The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 100 sets

No. SA "GO-TAN" Semi-Long Type

- Basic sockets.
- Plane contact type hexagonal socket allowing for excellent durability.

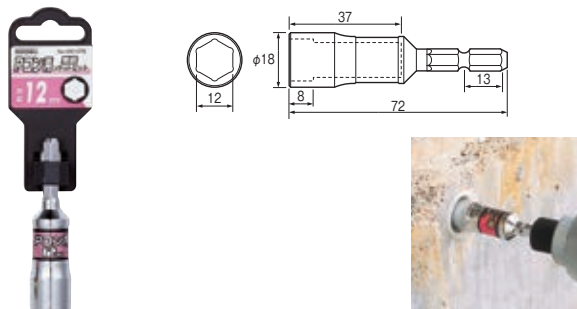


Model No.	A/F	φD	ℓ	Overall Length (mm)	Card size (mm)	EDP No.
SA201770	17	23	9	70	125×35	486243
SA201970	19	25	10	70	125×35	486239
SA202170	21	28	11	70	125×35	486240

※The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 100 sets

No. A201275 Socket for Plastic Cone

- For attaching and removing plastic cones.
- The shank can be hit with a hammer to remove concrete rubble.

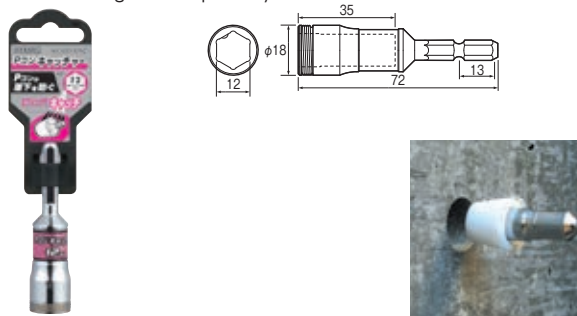


Model No.	A/F	φD	Overall Length (mm)	Card size (mm)	EDP No.
A201275	12	18	72	120×35	486241

※The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 100 sets

No. A201275C Plastic Cone Catcher

- A spring and a ball hold a plastic cone firmly, preventing plastic cone from coming out unexpectedly.

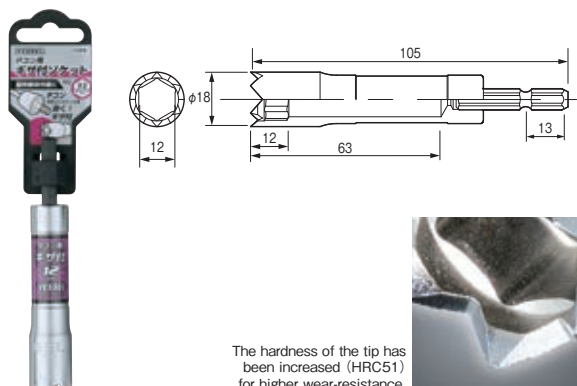


Model No.	A/F	Outer Diameter φ	Overall Length (mm)	Card size (mm)	EDP No.
A201275C	12	18	72	130×35	486265

※The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 100 sets

No. A201210B Rubble-removing Socket for Plastic Cones (Carbide Chip)

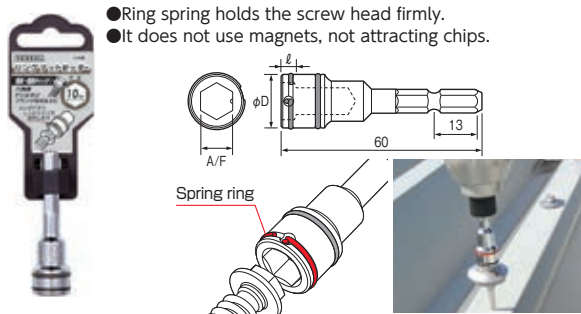
- For attaching and removing plastic cones while removing concrete rubbles.
- Excellent abrasion-resistance with the highly hard cutting edge.



Model No.	A/F	Outer Diameter φ	Overall Length (mm)	Card size (mm)	EDP No.
A201210B	12	18	105	160×35	486264

※The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets

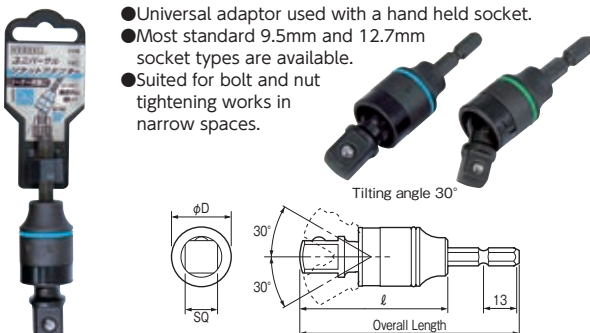
No. SAR Ring Nut Setter



Model No.	A/F	φD	ℓ	Overall Length (mm)	Card size (mm)	EDP No.
SAR0860	8	13	3	60	115×35	486245
SAR9660	9.6	16	4	60	115×35	486246
SAR1060	10	16	5	60	115×35	486247

*The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 100 sets

No. A20USQ Universal Socket Adapter

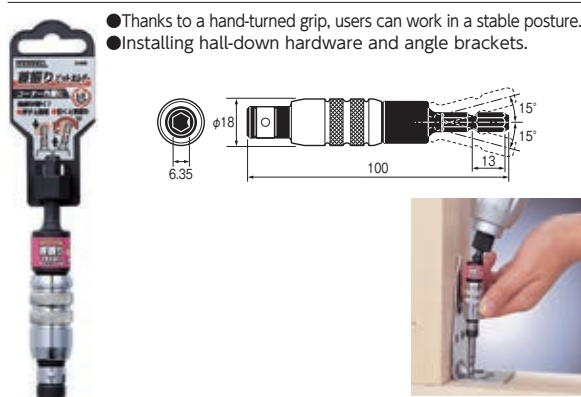


Model No.	Square drive size A/F	φD	ℓ	Overall Length (mm)	Card size (mm)	EDP No.
A20USQ3	3/8" (9.5mm)	20	49	77	133×35	486268
A20USQ4	1/2" (12.7mm)	23	56	84	140×35	486269

*The colors of the A/F column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 100 sets

No. WBJ Tilt Bit Holder

PAT.

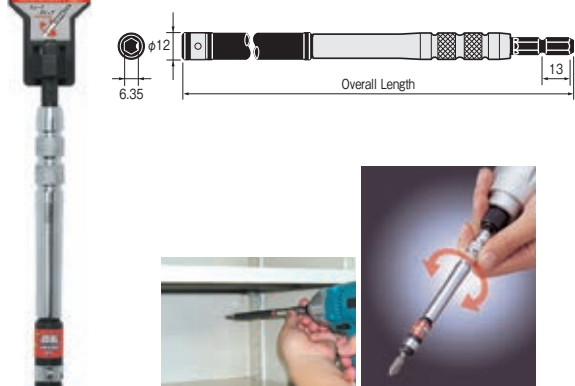


Model No.	Bit mounting angle (mm)	Outer Diameter φ	Overall Length (mm)	Card size (mm)	EDP No.
WBJ100	6.35	18	100	160×35	486357

Inner Ctn: 5 sets Outer Ctn: 100 sets

No. EXJ Long Bit Holder

- Insert 6.35mm hexagon bit, and transform it to a long type.
- Hand-turned grip enables to use in a stable posture.
- For tightening screws in high places or when nearby obstructions make work difficult.

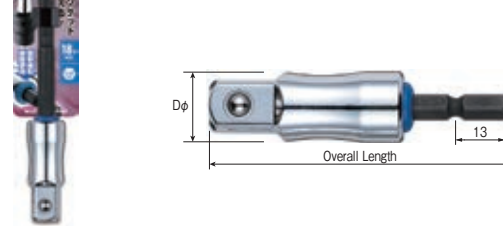


Model No.	Bit mounting angle (mm)	Outer Diameter φ	Overall Length (mm)	Card size (mm)	EDP No.
EXJ150	6.35	12	150	205×35	486350
EXJ300	6.35	12	300	355×35	486351

Inner Ctn: 5 sets Outer Ctn: 100 sets

No. TA20BSQ "GO-TAN" (Hard Forged) Mirror Socket Adapter

- Remarkably improved durability by protecting the shank with a shock absorbing resin.
- 4 times superior durability than a press-fit type.
- Adapter for electric screwdrivers, with which commercially available sockets can be used.

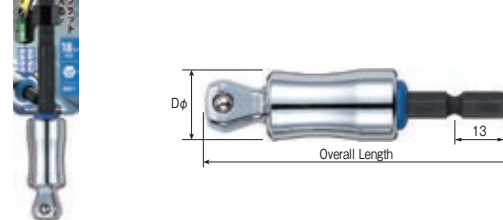


Model No.	Square drive size A/F	φD	Overall Length (mm)	Card size (mm)	EDP No.
TA20BSQ3	9.5	16	72	130×35	486492
TA20BSQ4	12.7	18	77	135×35	486493
TA20BSQ3L	9.5	16	110	170×35	486494
TA20BSQ4L	12.7	18	115	175×35	486495

Inner Ctn: 5 sets Outer Ctn: 100 sets

No. TA20WSQ "GO-TAN" (Hard Forged) Tilt Socket Adapter

- Remarkably improved durability by protecting the shank with a shock absorbing resin.
- 4 times superior durability than a press-fit type.
- Adapter for electric screwdrivers, with which commercially available sockets can be used.

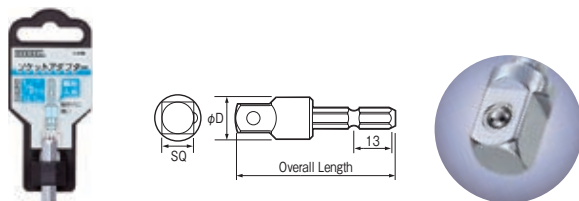


Model No.	Square drive size A/F	φD	Overall Length (mm)	Card size (mm)	EDP No.
TA20WSQ3	9.5	16	72	130×35	486496
TA20WSQ4	12.7	18	77	135×35	486497
TA20WSQ3L	9.5	16	110	170×35	486498
TA20WSQ4L	12.7	18	115	175×35	486499

Inner Ctn: 5 sets Outer Ctn: 100 sets

No. A20BSQ Socket Adapter

- Use your own sockets.
- Available in 3 sizes for different types of socket chucks.
- Superior durability by press-fitting (3/8", 1/2" only).



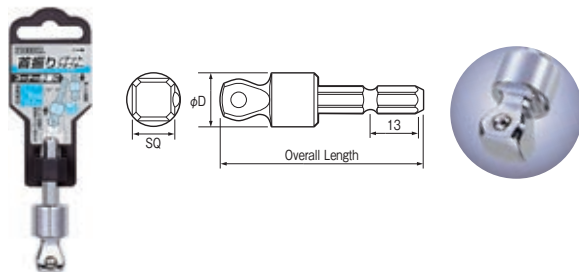
Model No.	Square drive size A/F	φD	Overall Length (mm)	Card size (mm)	EDP No.
A20BSQ2	1/4" (6.35mm)	8	45	105×35	486352
A20BSQ3	3/8" (9.5mm)	14	54	112×35	486353
A20BSQ4	1/2" (12.7mm)	16	59	117×35	486354

Inner Ctn: 5 sets Outer Ctn: 100 sets

No. A20WSQ Tilt Socket Adapter

PAT.

- Use your own sockets.
- When pulled it swings, and when pushed it is locked.
- Superior durability by press-fitting.

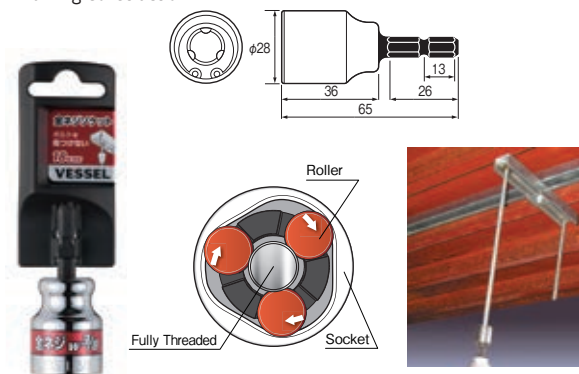


Model No.	Square drive size A/F	φD	Overall Length (mm)	Card size (mm)	EDP No.
A20WSQ3	3/8" (9.5mm)	14	56	114×35	486355
A20WSQ4	1/2" (12.7mm)	16	60	117×35	486356

Inner Ctn: 5 sets Outer Ctn: 100 sets

No. A20ZW Fully Threaded Socket

- 3 rollers hold screw firmly.
- Indispensable for a work with hanging bolts and light gauge steel framing construction.

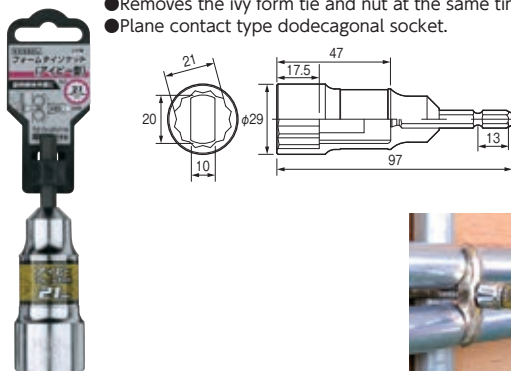


Model No.	Screw size	Outer Diameter φ	Overall Length (mm)	Card size (mm)	EDP No.
A20ZW30	w3/8	28	66	124×38×28	486359
A20ZW40	w1/2	28	66	124×38×28	486360

※The colors of the Screw size column in the table indicate the seal colors. Inner Ctn: 5 sets Outer Ctn: 100 sets

No. A202110F Form Tie Socket (For Ivy Form Ties)

- Removes the ivy form tie and nut at the same time.
- Plane contact type dodecagonal socket.



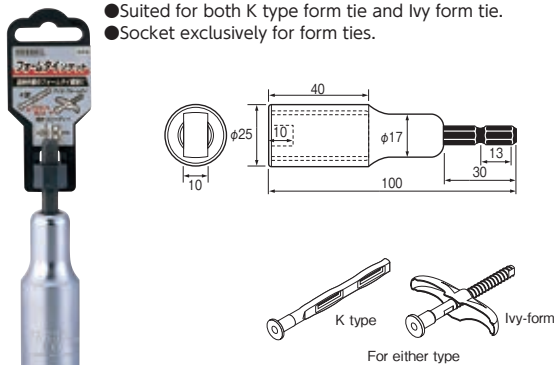
Model No.	A/F	Outer Diameter φ	Overall Length (mm)	Card size (mm)	EDP No.
A202110F	21	29	97	160×35	486267

※The colors of the A/F column in the table indicate the seal colors.

Inner Ctn: 5 sets

No. GA20F101 Form Tie Socket

- Suited for both K type form tie and Ivy form tie.
- Socket exclusively for form ties.

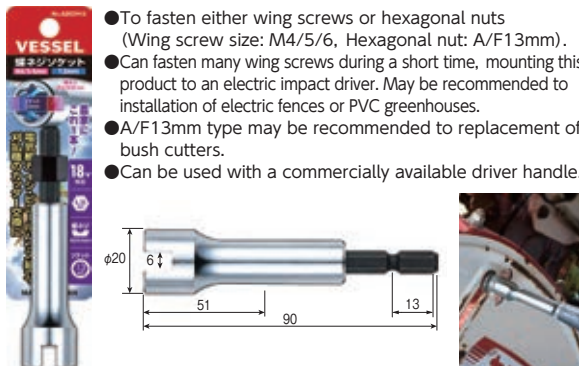


Model No.	A/F	Outer Diameter φ	Overall Length (mm)	Card size (mm)	EDP No.
GA20F101	10	25	100	160×35	486491

Inner Ctn: 5 sets

No. A20CH13 Thumbscrew Socket

- To fasten either wing screws or hexagonal nuts (Wing screw size: M4/5/6, Hexagonal nut: A/F13mm).
- Can fasten many wing screws during a short time, mounting this product to an electric impact driver. May be recommended to installation of electric fences or PVC greenhouses.
- A/F13mm type may be recommended to replacement of bush cutters.
- Can be used with a commercially available driver handle.

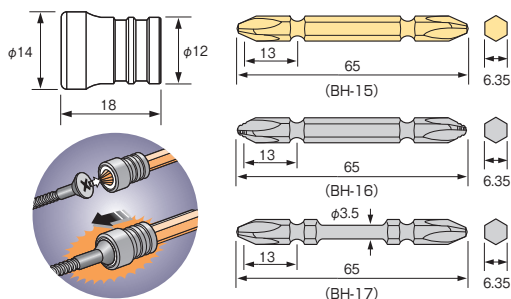


Model No.	A/F	φD	Overall Length (mm)	Card size (mm)	EDP No.
A20CH13	13	20	90	140×35	486244

Inner Ctn: 5 sets Outer Ctn: 100 sets

No. BH Magnetic Screw Catcher

- When a screw approaches the bit, the magnet sleeve moves automatically to catch the screw.
- Suited for building work such as floor panels, joist, interior finish, 2x4, etc.



Automatically catches screws



BH-15 BH-16 BH-17



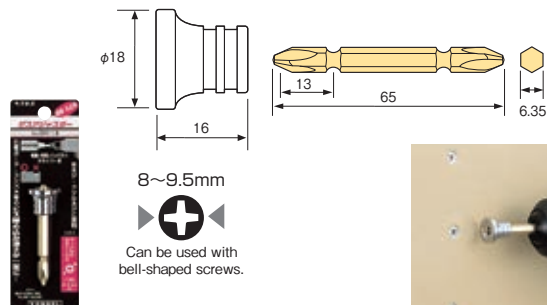
Model No.	Contents	Card size (mm)	EDP No.
BH-15	Magnetic Screw Catch 1pc. Double End Gold Color Bit $\Phi 2 \times 65$ 1pc.	135x45	486331
BH-16	Magnetic Screw Catch "GIZA" bit $\Phi 2 \times 65$ 1pc.	135x45	486332
BH-17	Magnetic Screw Catch Torsion bit $\Phi 2 \times 65$ 1pc.	135x45	486333

Inner Ctn: 10 sets

No. BH-13 Screw Adjuster

PAT.

- Provided with screw stopper.
- Keeps the level of screw head constant in continuous work, causing no damage to the plaster board.



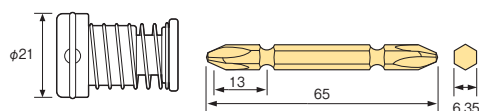
Model No.	Contents	Card size (mm)	EDP No.
BH-13	Screw Adjuster 1pc. Double End Gold Color Bit $\Phi 2 \times 65$ 1pc.	135x45	486329

Outer Ctn: 10 sets

No. BH-11 Screw Catch and Adjuster

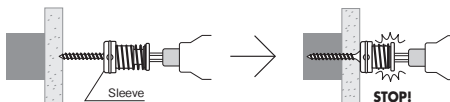
PAT.

- Catches long screws even without magnetic force.
- Screw stopper function keeps the level of screw head constant, causing no damage to the plaster board.



Start tightening

Complete tightening!



8~9.5mm

Can be used with bell-shaped screws.

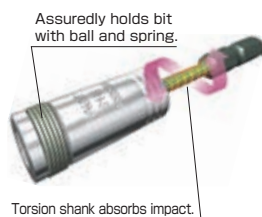
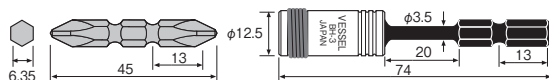


Model No.	Contents	Card size (mm)	EDP No.
BH-11	Screw Catch and Adjuster 1pc. Double End Gold Color Bit $\Phi 2 \times 65$ 1pc.	135x45	486324

Outer Ctn: 10 sets

No. BH-14 Torsion Bit Holder

- Bit holder with a torsion part.
- Can be used by mounting a double-ended bit.
- Prevents screw stripping and bit breakage.

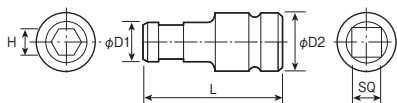


Model No.	Contents	Card size (mm)	EDP No.
BH-14	Torsion Bit Holder 1pc. High Hardness Bit $\Phi 2 \times 45$ 1pc.	160x45	486330

Inner Ctn: 10 sets

■ 9.5 / 12.7 mm For Impact Adapter

No. A30 Socket Anvil



Model No.	(SQ)×A/F(H) (mm)	Dimensions D1 D2 L (mm)			Applicable to	EDP No.
A30	9.5×6.35	13	20	45	A14-A16	479201
	9.5×8.0	16	20	47.5	A15-A19	479202
	12.7×6.35	13	25	49	A14-A16	479401
	12.7×8.0	16	25	51	A15-A19	479402

■ 12.7 mm For Impact Adapter

No. BH-30 Socket Anvil

- Bit holder with a torsion part.
- Can be used by mounting a double-ended bit.
- Prevents screw stripping and bit breakage.

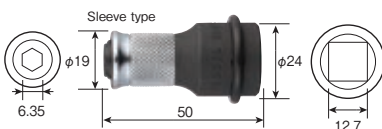


Model No.	(SQ)×A/F(H) (mm)	Card size (mm)	EDP No.
BH-30	12.7×6.35	135×60	486336

Inner Ctn.: 5 sets

No. BHC-30 Socket Anvil (sleeve type)

- Adaptor used with air/electric impact wrench.
- 6.35mm hexagon bits can be mounted at one-touch.

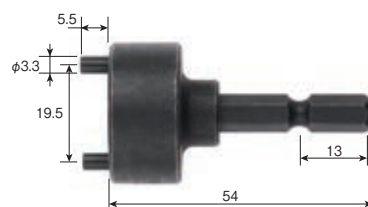


Model No.	(SQ)×A/F(H) (mm)	Card size (mm)	EDP No.
BHC-30	12.7×6.35	135×60	486582

Inner Ctn.: 5 sets

No. A202050P Pin Wrench for Disk Nut

- Can be used with an electric impact driver to remove firmly tightened disk nuts easily.
- For the disk grinder with the wheel diameter of 100mm.



Model No.	Pitch of nut holes	Pin diameter φ (mm)	Card size (mm)	EDP No.
A202050P	19.5	3.3	107×35	486581

Inner Ctn.: 5 sets

One point

For simple loosening of disk nuts...

An opposite side 6.35mm pin wrench with hexagonal shaft for disk nuts that can be attached to an impact driver. Disk nuts which cannot be removed by the drill wrench that came with the impact driver can be easily loosened and removed with this unit.



No. SST

SAKISUBO Torsion Bit

"PROKON" is a series of tools manufactured with a professional spirit for professionals. This solves various kinds of problems in construction, electric, and utility works. "PROKON" is all that craftspeople could ask!

No. SST

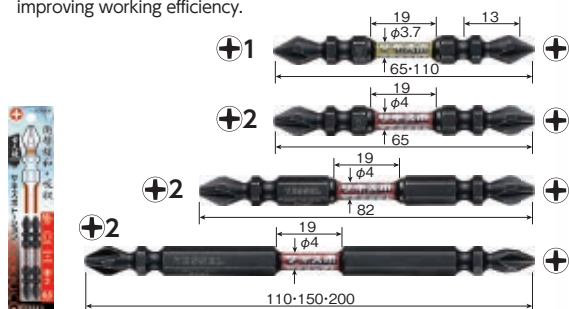
SAKISUBO Torsion Bit

Highly durable tapered bit combined with torsion effect. Cushion effect at the constricted part prevents cam-out, improving work efficiency. Magnetized.

※This is for illustrative purpose.

No. SST SAKISUBO Torsion Bit 2-Piece Set PAT.

- Highly durable tapered bit combined with torsion effect.
- Cushion effect at the constricted part prevents cam-out, improving working efficiency.



Model No.	Contents	Card size (mm)	EDP No.
SST141065	⌀1×⌀3.7× 65 2pcs.	160×35×8	485321
SST141110	⌀1×⌀3.7×110 2pcs.	160×35×8	485335
SST142065	⌀2×⌀4 × 65 2pcs.	160×35×8	485322
SST142082	⌀2×⌀4 × 82 2pcs.	160×35×8	485323
SST142110	⌀2×⌀4 ×110 2pcs.	160×35×8	485324
SST142150	⌀2×⌀4 ×150 2pcs.	210×35×8	485325
SST142200	⌀2×⌀4 ×200 2pcs.	260×35×8	485326

Inner Ctn.: 10 sets

No. SST5P SAKISUBO Torsion Bit 5-Piece Set PAT.



SST5P2065 SST5P2082 SST5P2110

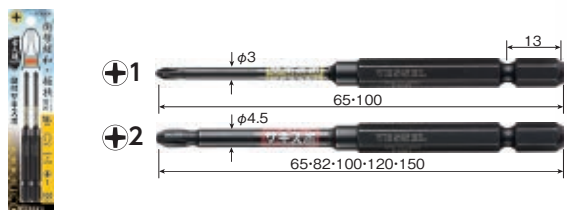


Model No.	Contents	Card size (mm)	EDP No.
SST5P2065	⌀2×⌀4 × 65 5pcs.	160×70×8	485444
SST5P2082	⌀2×⌀4 × 82 5pcs.	160×70×8	485445
SST5P2110	⌀2×⌀4 ×110 5pcs.	160×70×8	485446

Inner Ctn.: 10 sets

No. SS16 Recessed SAKISUBO Bit 2 Piece Set PAT.

- Thin shank type ideal for working in narrow places.
- Cushion effect at the constricted part prevents cam-out that may occur at the time of passing wood grains in the wooden work.



Model No.	Contents	Card size (mm)	EDP No.
SS161065	⌀1×⌀3 ×65 2pcs.	160×35×8	485336
SS161100	⌀1×⌀3 ×100 2pcs.	160×35×8	485327
SS162065	⌀2×⌀4.5×65 2pcs.	160×35×8	485337
SS162082	⌀2×⌀4.5×82 2pcs.	160×35×8	485338
SS162100	⌀2×⌀4.5×100 2pcs.	160×35×8	485328
SS162120	⌀2×⌀4.5×120 2pcs.	210×35×8	485339
SS162150	⌀2×⌀4.5×150 2pcs.	210×35×8	485340

Inner Ctn.: 10 sets

No. NMCS Recessed SAKISUBO Bit With Bit Magnetizer/Demagnetizer PAT.



- Magnetic screw catcher with two built-in neodymium magnets holds screws securely.
- Combined with recessed bit, ideal for continuous screw tightening in confined places and on the dry walls.



Model No.	Contents	Card size (mm)	EDP No.
NMCS16210	Recessed SAKISUBO Bit ⌀2×⌀4.5×100 1pc. Bit Magnetizer/Demagnetizer 1pc.	160×35×17	349958
NMCS16215	Recessed SAKISUBO Bit ⌀2×⌀4.5×150 1pc. Bit Magnetizer/Demagnetizer 1pc.	210×35×17	349965

Inner Ctn.: 10 sets

One point Approx. **20** times stronger **0.318kgf**

Strong magnet catches screws.

Bit Magnetizer / Demagnetizer

Attaching the NMC-2P to a bit make its retaining strength about 20 times more than normal magnetized bits. The bit with the NMC-2P can assuredly catch even a long screw.



No. SS16H Recessed "SAKISUBO" Hex Bit PAT.

- For hex hole bolts and screws.
- Long type useful for hard-to-reach places.



Model No.	Contents	Card size (mm)	EDP No.
SS16H2010	H2.0 × 100 1pc.	160×35×8	485329
SS16H2510	H2.5 × 100 1pc.	160×35×8	485330
SS16H3010	H3.0 × 100 1pc.	160×35×8	485331
SS16H4010	H4.0 × 100 1pc.	160×35×8	485332
SS16H5010	H5.0 × 100 1pc.	160×35×8	485333
SS16H6010	H6.0 × 100 1pc.	160×35×8	485334

Inner Ctn.: 10 sets

No. SS16T Recessed "SAKISUBO" TORX Bit PAT.

- Specialized for Torx screws.
- Manufactured under license by Torx, this bit is compatible with any Torx screws.



Model No.	Contents	Card size (mm)	EDP No.
SS16T1010	T10 × 100 1pc.	160×35×8	485347
SS16T1510	T15 × 100 1pc.	160×35×8	485348
SS16T2010	T20 × 100 1pc.	160×35×8	485349
SS16T2510	T25 × 100 1pc.	160×35×8	485350
SS16T3010	T30 × 100 1pc.	160×35×8	485351

Inner Ctn.: 10 sets

No. BW Recessed "SAKISUBO" Hex Bit 5-Piece Set PAT.



Model No.	Contents	Card size (mm)	EDP No.
BW-32	Recessed "SAKISUBO" Hex Bit A/F2.5, 3.0, 4.0, 5.0, 6.0 × 100 1 for each Bit Magnetizer/Demagnetizer 1pc.	160×70×23	486592

Inner Ctn.: 10 sets

No. BW Recessed "SAKISUBO" TORX Bit 5-Piece Set PAT.



Model No.	Contents	Card size (mm)	EDP No.
BW-33	Recessed "SAKISUBO" TORX Bit T10, 15, 20, 25, 30 × 100 1 for each Bit Magnetizer/Demagnetizer 1pc.	160×70×23	486593

Inner Ctn.: 10 sets

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.

No. SS16BP Recessed "SAKISUBO" Ball Point Bit PAT.

- For hex hole bolt and screw.
- Ball point tip with an inclination angle of 30°. Suited for working in cramped places of high-density packaging.



Model No.	Contents	Card size (mm)	EDP No.
SS16BP2010	H2.0 × 100 1pc.	160×35×8	485341
SS16BP2510	H2.5 × 100 1pc.	160×35×8	485342
SS16BP3010	H3.0 × 100 1pc.	160×35×8	485343
SS16BP4010	H4.0 × 100 1pc.	160×35×8	485344
SS16BP5010	H5.0 × 100 1pc.	160×35×8	485345
SS16BP6010	H6.0 × 100 1pc.	160×35×8	485346

Inner Ctn.: 10 sets

No. NMC-2P Bit Magnetizer/Demagnetizer NEW

- Magnetic screw catcher with two built-in neodymium magnets holds screws securely.
- Combined with bit, ideal for continuous screw tightening in cramped places and on the dry walls.

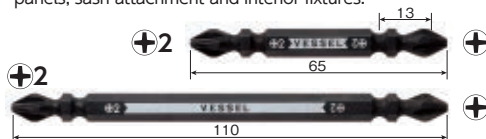


Model No.	Contents	Card size (mm)	EDP No.
NMC-2P	Bit Magnetizer/Demagnetizer 2pcs.	120×44×17	486575

Inner Ctn.: 10 sets

No. S14 Double End "SAKISUBO" Bit 2-Piece Set

- The constricted part acts as a cushion, absorbing the shock from power impact tools, and improves durability.
- Optimal for fastening joists, staircase construction, concrete panels, sash attachment and interior fixtures.



Model No.	Contents	Card size (mm)	EDP No.
S142065	Φ2× 65 2pcs.	160×35×8	485447
S142082	Φ2× 82 2pcs.	160×35×8	485448
S142110	Φ2×110 2pcs.	160×35×8	485449
S142150	Φ2×150 2pcs.	210×35×8	485450

Inner Ctn: 10 sets

No. S5P Double End "SAKISUBO" Bit 5-Piece Set

- Tapered tip prevents cam-out.
- Excellent durability.



Model No.	Contents	Package size (mm)	EDP No.
S5P2065F	Φ2× 65 5pcs.	135×50×7	485435
S5P2110F	Φ2×110 5pcs.	160×50×7	485436

Inner Ctn: 10 sets

No. NMCS3P "SAKISUBO" Bit with Bit Magnetizer/Demagnetizer (packed in a plastic bag) 3-Piece Set

- A set of SAKISUBO bits with convenient NMC-2P Bit Magnetizer/Demagnetizer.
- More affordable by omitting printing mark from the bit.
- Both 3-piece and 8-piece sets come with 1 × NMC-2P Bit Magnetizer/Demagnetizer.



Bit Magnetizer/Demagnetizer



NMCS3P 2065F NMCS3P 2082F NMCS3P 2110F NMCS8P 2065F NMCS8P 2082F NMCS8P 2110F

Model No.	Contents	Package size (mm)	EDP No.
NMCS3P2065F	SAKISUBO Bit Φ2× 65 3pcs. Bit Magnetizer/Demagnetizer 1pc.	130×50×16	485359
NMCS3P2082F	SAKISUBO Bit Φ2× 82 3pcs. Bit Magnetizer/Demagnetizer 1pc.	130×50×16	485360
NMCS3P2110F	SAKISUBO Bit Φ2×110 3pcs. Bit Magnetizer/Demagnetizer 1pc.	160×50×16	485361

Inner Ctn: 10 sets

No. NMCS8P "SAKISUBO" Bit with Bit Magnetizer/Demagnetizer (packed in a plastic bag) 8-Piece Set

Model No.	Contents	Card size (mm)	EDP No.
NMCS8P2065F	SAKISUBO Bit Φ2× 65 8pcs. Bit Magnetizer/Demagnetizer 1pc.	143×87×16	485362
NMCS8P2082F	SAKISUBO Bit Φ2× 82 8pcs. Bit Magnetizer/Demagnetizer 1pc.	143×87×16	485363
NMCS8P2110F	SAKISUBO Bit Φ2×110 8pcs. Bit Magnetizer/Demagnetizer 1pc.	162×87×16	485364

Inner Ctn: 10 sets

No. M-S14 "SAKISUBO" Bit (packed in a plastic bag) 10-Piece Set

M-S14 Φ2×110H

- For soft joint applications such as fastening elastic items (coarse threads, wood screw, resin tap etc).
Can be used with general standard screws.
- Suppresses backlash of bits on a wood grain and secure a smooth fastening.



Model No.	Contents	Heat treatment classification	Package size (mm)	EDP No.
M-S14Φ2× 65H	Φ2× 65 10pcs.	H	86×133×8	415441
M-S14Φ2× 82H	Φ2× 82 10pcs.	H	86×162×8	415442
M-S14Φ2×110H	Φ2×110 10pcs.	H	86×162×8	415443
M-S14Φ2×150H	Φ2×150 10pcs.	H	86×202×8	415444

Outer Ctn: 10 sets

No. M-S14H "SAKISUBO" Bit (packed in a plastic bag) 10-Piece Set

M-S14H Φ2×110H

- For hard joint applications such as tapping or self-tapping screws.
Optimal for low head screws such as thin washers or screws whose head hole accuracy is not good.
- Thick tip improves durability. Fits pan head screws like tapping or drill screws.
- Black finish appealing to professionals. Rust-resistant.

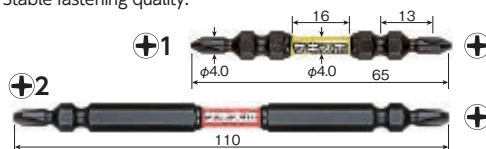


Model No.	Contents	Heat treatment classification	Package size (mm)	EDP No.
M-S14HΦ2× 65H	Φ2× 65 10pcs.	H	86×133×8	415445
M-S14HΦ2× 82H	Φ2× 82 10pcs.	H	86×162×8	415446
M-S14HΦ2×110H	Φ2×110 10pcs.	H	86×162×8	415447
M-S14HΦ2×150H	Φ2×150 10pcs.	H	86×202×8	415448

Outer Ctn: 10 sets

No. SDT "SAKISUBO" Slender Torsion Bit 2-Piece Set

- Tapered tip allows for easy view of screw head and improves working efficiency.
- High hardness and ductile new material developed. Shock resistant in spite of the tapered tip. Can be used with a drilling screw.
- Torsion part absorbs a big impact of the impact driver.
Remarkably improved durability.
- Tapered tip absorbs a low impact when the screw is seated.
Stable fastening quality.



Model No.	Contents	Card size (mm)	EDP No.
SDT141065	Φ1× 65 2pcs.	160×35×8	485403
SDT141110	Φ1×110 2pcs.	160×35×8	485404
SDT142065	Φ2× 65 2pcs.	160×35×8	485395
SDT142082	Φ2× 82 2pcs.	160×35×8	485396
SDT142110	Φ2×110 2pcs.	160×35×8	485397
SDT142150	Φ2×150 2pcs.	210×35×8	485405

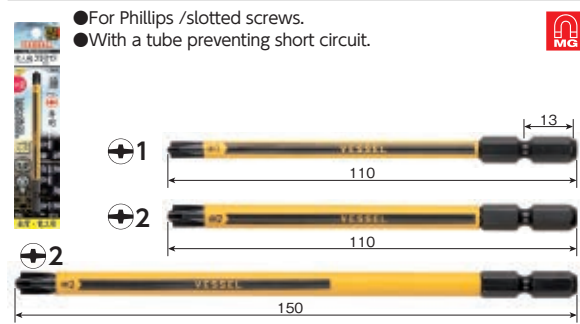
Inner Ctn: 10 sets

No. SDT5P "SAKISUBO" Slender Torsion Bit 5-Piece Set

Model No.	Contents	Card size (mm)	EDP No.
SDT5P2065	Φ2× 65 5pcs.	160×70×8	485398
SDT5P2082	Φ2× 82 5pcs.	160×70×8	485399
SDT5P2110	Φ2×110 5pcs.	160×70×8	485400

Inner Ctn: 10 sets

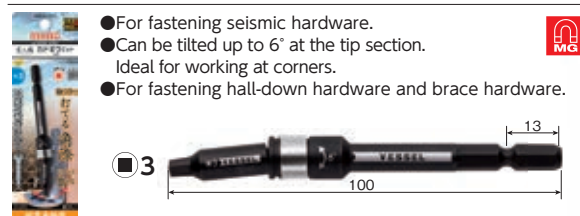
No. PS "Plus-Minus" Bit for Terminal Screws



Model No.	Contents	Card size (mm)	EDP No.
PS161110	PS1×φ4 ×φ4.5×110 1pc.	160×35×8	485411
PS162110	PS2×φ5.5×φ6 ×110 1pc.	160×35×8	485412
PS162150	PS2×φ5.5×φ6 ×150 1pc.	210×35×8	485413

Inner Ctn: 10 sets

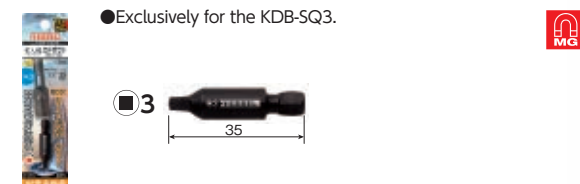
No. KDB "KADOGIWA" Corner Bit for Brace



Model No.	Contents	Card size (mm)	EDP No.
KDB-SQ3	SQ 3×100 1pc.	160×50×13	485421

Inner Ctn: 10 sets

No. KDB Replacement Corner Bit

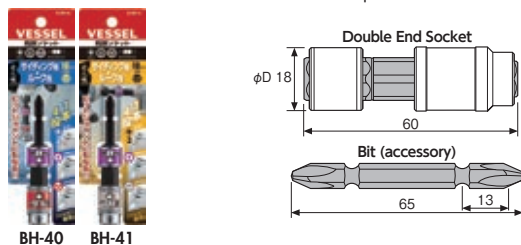


Model No.	Contents	Card size (mm)	EDP No.
KDB-SQ3K	SQ 3× 35 1pc.	135×35×8	485422

Inner Ctn: 10 sets

No. BH-40/41 Double-End Socket NEW

- 1 socket compatible with multiple drill screws.
- Multi-function socket also usable as an adapter for bit extension.

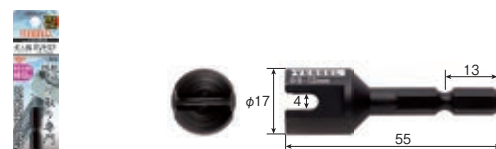


Model No.	Bit (accessory)	Socket Size (A/F)	OAL	φD (mm)	EDP No.
BH-40	Φ2×65	8/9.6	60	18	486761
BH-41	Φ2×65	8/10	60	18	486762

*Metalworking drill: up to dia.6mm
*Woodworking drill: up to dia.12mm
* Socket bit cannot be linked.

No. A20ZB "BARITORI" Full Tread Deburring Bit

- Burrs of thread studs (made of iron) can be removed by electrical impact tools.
- Optimal for edge surface finish of hanging bolts and anchor bolts.

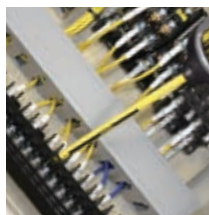


Model No.	Applicable	Card size (mm)	EDP No.
A20ZB55	Full Tread (iron) M8, 3/8, M10, M12	160×35×20	485431

Inner Ctn: 5 sets

One point

PROKON series



"Plus-Minus" Bit for Terminal Screws

For Phillips/slotted screws that are widely used.
For fastening terminal screws on distribution board, fitting hardware to hold electric wire, plumbing, and air conditioner installation.



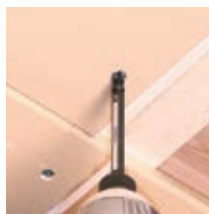
"KADOGIWA" Corner Bit for Bracing

Can be tilted up to 6° at the tip section.
Can fasten screws easily in narrow places like corners using impact driver.
For fastening hold down hardware, brace hardware and various seismic hardware.



"BARITORI" Full Tread Burring Bit

Easy to use with impact driver.
Excellent durability.
Must for fitting hanging bolts and installing air conditioning equipment.
Ideal for treating edge face of anchor bolt.

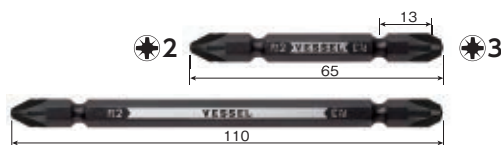


Double End "SAKISUBO" Bit

Improved durability with cushion effect at constricted part.
For working with joist, stairs, composite panels, sash frame, interior finishing, etc.

No. PZ Double End Combi Bit 2-Piece Set

- PZ2 and PZ3 are combined into one bit.

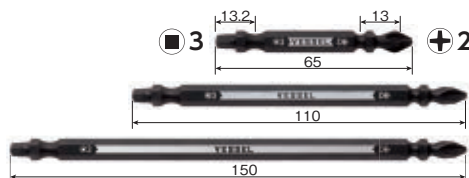


Model No.	Contents	Card size (mm)	EDP No.
PZ142365	PZ2/ PZ3×65 2pcs.	160×35×8	485401
PZ142311	PZ2/ PZ3×110 2pcs.	160×35×8	485402

Inner Ctn.: 10 sets

No. PQ Double End Combi Bit 2-Piece Set

- SQ3 and $\Phi 2$ are combined into one bit.
- Tapered tip of $\Phi 2$ prevents cam-out. Long life.



Model No.	Contents	Card size (mm)	EDP No.
PQ142365	$\Phi 2$ / SQ3× 65 2pcs.	160×35× 8	485406
PQ142311	$\Phi 2$ / SQ3×110 2pcs.	160×35× 8	485407
PQ142315S	$\Phi 2$ / SQ3×150 1pc.	190×35×17	485408

Inner Ctn.: 10 sets

No. 220W-123 Combi Plus Screwdriver

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

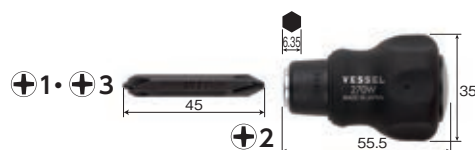


Model No.	Contents	Card size (mm)	EDP No.
220W-123	●Bit Interchangeable Ball-Grip ●Bit $\Phi 1 \cdot \Phi 3$ / $\Phi 2 \times 110$ mm	160×70×43	233073

Inner Ctn.: 10 sets

No. 270BW-123 Combi Plus Stubby Screwdriver

- Stubby type suited for working in cramped places.
- Three sizes are combined into one bit. Can be used for most of Phillips screws commonly used.



Model No.	Contents	Card size (mm)	EDP No.
270BW-123	●Bit Interchangeable Cushion Stubby Grip ●Bit $\Phi 1 \cdot \Phi 3$ / $\Phi 2 \times 45$ mm	160×55×37	233076

Inner Ctn.: 10 sets

No. 220W-62 Ball-Grip Interchangeable Screwdriver

- Slotted tip used for quick connection terminal such as outlet and frequently-used $\Phi 2$ are combined into one bit.

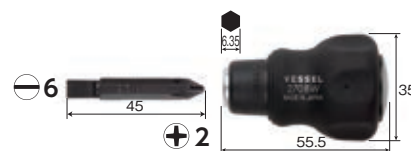


Model No.	Contents	Card size (mm)	EDP No.
220W-62	●Bit Interchangeable Ball-Grip ●Bit $\Phi 6$ / $\Phi 2 \times 110$ mm	160×70×43	233071

Inner Ctn.: 10 sets

No. 270BW-62 Cushion Stubby Interchangeable Screwdriver

- Stubby type suited for working in cramped places.
- Slotted tip used for quick connection terminal such as outlet and frequently-used $\Phi 2$ are combined into one bit.



Model No.	Contents	Card size (mm)	EDP No.
270BW-62	●Bit Interchangeable Cushion Stubby Grip ●Bit $\Phi 6$ / $\Phi 2 \times 110$ mm	160×70×43	233075

Inner Ctn.: 10 sets

No. 220W-3 Ball-Grip Interchangeable Screwdriver Set

- Convenient set with $\Phi 1$, $\Phi 3$, slotted tip used for quick connection terminal such as outlet, frequently-used $\Phi 2$, and Pozidrive Pz2 and Pz3 widely used for imported furniture assembly and snowboard bindings.

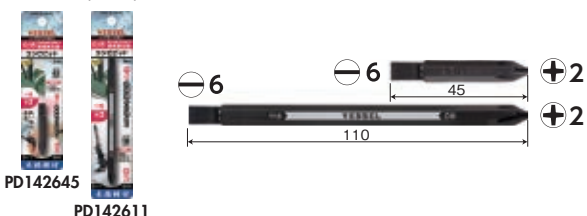


Model No.	Contents	Card size (mm)	EDP No.
220W-3	- Bit Interchangeable Ball-Grip - Bit $\Phi 1$ / $\Phi 3$, $\Phi 6$ / $\Phi 2$, PZ2 / PZ3 $\times 110$mm	153 $\times$ 93 $\times$ 41	233072

Inner Ctn.: 10 sets

No. PD Dedicated Replacement Combi Bit

- Slotted tip used for quick connection terminal such as outlet and frequently-used $\Phi 2$ are combined into one bit.

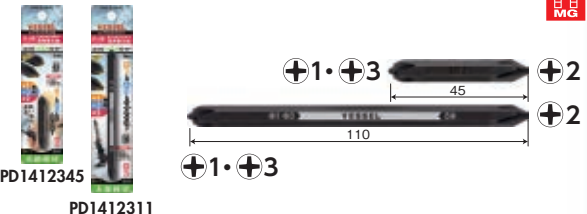


Model No.	Contents	Card size (mm)	EDP No.
PD142645	$\Phi 6$ / $\Phi 2 \times 45$ mm 1pc.	135 $\times$ 35 $\times$ 8	485416
PD142611	$\Phi 6$ / $\Phi 2 \times 110$ mm 1pc.	160 $\times$ 35 $\times$ 8	485414

Inner Ctn.: 10 sets

No. PD Dedicated Replacement Combi Plus Bit

- Three sizes are combined into one bit.



Model No.	Contents	Card size (mm)	EDP No.
PD1412345	$\Phi 1 \cdot \Phi 3$ / $\Phi 2 \times 45$ mm 1pc.	135 $\times$ 35 $\times$ 8	485415
PD1412311	$\Phi 1 \cdot \Phi 3$ / $\Phi 2 \times 110$ mm 1pc.	160 $\times$ 35 $\times$ 8	485417

Inner Ctn.: 10 sets

PD1412311 / PD142611 Application Models 220W / 220W-3 / 220W-62 / 220W-123
PD1412345 / PD142645 Application Models 270BW / 270BW-62 / 270BW-123

No. 220W Bit Interchangeable Ball-Grip

- Can be used as a normal ball-grip driver by inserting a bit for electric driver (6.35 mm hex bit).
- Black grip gives a robust impression.



Model No.	Contents	Card size (mm)	EDP No.
220W	Bit Interchangeable Ball-Grip	145 $\times$ 50 $\times$ 43	125344

Inner Ctn.: 10 sets

No. 270BW Bit Interchangeable Cushion Subby Grip

- Stubby type suited for working in confined places. Can be used with bits for electric driver (6.35 mm hex bit).
- Black grip gives a robust impression.



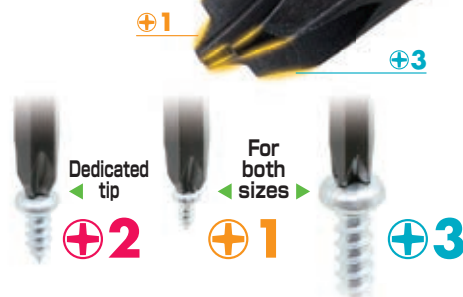
Model No.	Contents	Card size (mm)	EDP No.
270BW	Bit Interchangeable Cushion Subby Grip	100 $\times$ 50 $\times$ 37	233074

Inner Ctn.: 10 sets

One point

Combi PLUS

One bit for 3-size tip-end!
One side is dedicated to frequently-used $\Phi 2$ and another for both $\Phi 1$ and $\Phi 3$.



Dedicated tip

$\Phi 2$

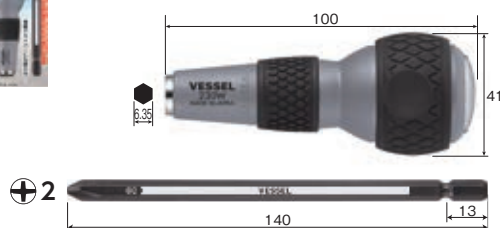
For both sizes

$\Phi 1$

$\Phi 3$

No. 230W-2**Ball Grip (Bit-replaceable Tang-Thru Screwdriver)**

- Blade interchangeable tang-thru grip.
- 25mm large nut incorporated transmitting well the hammering power.
- Blades can be used with electric screwdrivers.

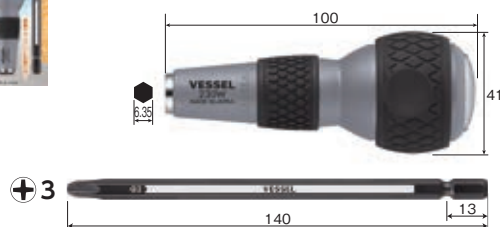


Model No.	Set Contents	Card size (mm)	EDP No.
230W-2	● Ball Grip (Bit-replaceable Tang-Thru grip) ● Bit $\oplus 2 \times 140\text{mm}$ 1 for each	160×70×43	125327

Inner Ctn.: 10 sets

No. 230W-3**Ball Grip (Bit-replaceable Tang-Thru Screwdriver)**

- Blade interchangeable tang-thru grip.
- 25mm large nut incorporated transmitting well the hammering power.
- Blades can be used with electric screwdrivers.

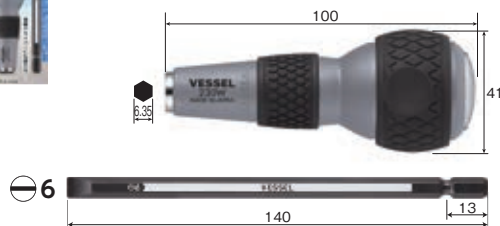


Model No.	Set Contents	Card size (mm)	EDP No.
230W-3	● Ball Grip (Bit-replaceable Tang-Thru grip) ● Bit $\oplus 3 \times 140\text{mm}$ 1 for each	160×70×43	125328

Inner Ctn.: 10 sets

No. 230W-6**Ball Grip (Bit-replaceable Tang-Thru Screwdriver)**

- Blade interchangeable tang-thru grip.
- 25mm large nut incorporated transmitting well the hammering power.
- Blades can be used with electric screwdrivers.



Model No.	Set Contents	Card size (mm)	EDP No.
230W-6	● Ball Grip (Bit-replaceable Tang-Thru grip) ● Bit $\ominus 6 \times 140\text{mm}$ 1 for each	160×70×43	125329

Inner Ctn.: 10 sets

No. 230W**Ball Grip (Bit-replaceable Tang-Thru grip)**

- Blade interchangeable tang-thru grip. (A/F6.35mm)
- 25mm large nut incorporated transmitting well the hammering power.



Model No.	Grip size	Package size (mm)	Inner Ctn.	EDP No.
230W	length 100mm, dia.41mm	145×50×43	10	125326

No. PD162140 / PD163140 / PD166140**Replacement Bit**

- Interchangeable blade for the 230W (ball grip tang-thru grip). A/F6.35mm.
- Blades can be used with electric screwdrivers.



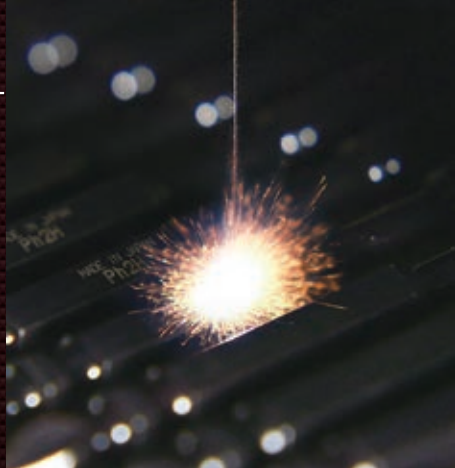
PD162140 PD163140 PD166140

Model No.	Contents	Card size (mm)	EDP No.
PD162140	$\oplus 2 \times 140\text{mm}$ 1pc	175×35×8	485418
PD163140	$\oplus 3 \times 140\text{mm}$ 1pc	175×35×8	485419
PD166140	$\ominus 6 \times 140\text{mm}$ 1pc	175×35×8	485420

Inner Ctn.: 5 sets

No. RBT

BL Rib Torsion Bits



Black body with a shot blasted (satin finished) high precision bit is marked by laser of the brand logo and screw head design.

Laser
Laser marking

Valuable piece of bit decorated by laser beam

No. RBT

BL Rib Torsion Bits

Tip with rib that enhances the strength.
Provided with the torsion part that absorbs
the shock at seating of the screw.

※This is for illustrative purpose.

No. S3P BL SAKISUBO Bit 3-Piece Set

- SAKISUBO bits whose constricted part acts as a cushion, absorbing the shock from power impact tools.
- Optimal for fastening joists, staircase construction, concrete panels, sash attachment and interior fixtures.



Model No.	Contents	Card size (mm)	EDP No.
S3P2065-BL	Φ2× 65 3pcs.	160×43×8	485371
S3P2082-BL	Φ2× 82 3pcs.	160×43×8	485372
S3P2110-BL	Φ2×110 3pcs.	160×43×8	485373

Inner Ctn.: 10 sets

No. S5P BL SAKISUBO Bit 5-Piece Set

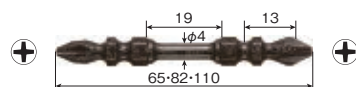
- Bits in a clip holder with magnetizer.

Model No.	Contents	Card size (mm)	EDP No.
S5P2065-BL	Φ2× 65 5pcs.	160×75×23	485383
S5P2082-BL	Φ2× 82 5pcs.	160×75×23	485384
S5P2110-BL	Φ2×110 5pcs.	160×75×23	485385

Inner Ctn.: 5 sets

No. SST3P BL SAKISUBO Torsion Bit 3-Piece Set PAT.

- SAKISUBO shape, in which the constricted part acts as a cushion, absorbing the shock from power impact tools.
- Torsion effect that absorbs the shock generated at the time of seating of the screw.
- Optimal for fastening joists, staircase construction, concrete panels, sash attachment and interior fixtures.



Model No.	Contents	Card size (mm)	EDP No.
SST3P2065-BL	Φ2× 65 3pcs.	160×43×8	485377
SST3P2082-BL	Φ2× 82 3pcs.	160×43×8	485378
SST3P2110-BL	Φ2×110 3pcs.	160×43×8	485379

Inner Ctn.: 10 sets

No. SST5P BL SAKISUBO Torsion Bit 5-Piece Set PAT.

- Bits in a clip holder with magnetizer.

Model No.	Contents	Card size (mm)	EDP No.
SST5P2065-BL	Φ2× 65 5pcs.	160×75×23	485389
SST5P2082-BL	Φ2× 82 5pcs.	160×75×23	485390
SST5P2110-BL	Φ2×110 5pcs.	160×75×23	485391

Inner Ctn.: 5 sets

No. RB3P BL Rib Bit 3-Piece Set

- Tip with rib that enhances the strength.
- Optimal for iron and steel work.



Model No.	Contents	Card size (mm)	EDP No.
RB3P2065-BL	Φ2× 65 3pcs.	160×43×8	485374
RB3P2082-BL	Φ2× 82 3pcs.	160×43×8	485375
RB3P2110-BL	Φ2×110 3pcs.	160×43×8	485376

Inner Ctn.: 10 sets

No. RB5P BL Rib Bit 5-Piece Set

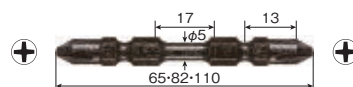
- Bits in a clip holder with magnetizer.

Model No.	Contents	Card size (mm)	EDP No.
RB5P2065-BL	Φ2× 65 5pcs.	160×75×23	485386
RB5P2082-BL	Φ2× 82 5pcs.	160×75×23	485387
RB5P2110-BL	Φ2×110 5pcs.	160×75×23	485388

Inner Ctn.: 5 sets

No. RBT3P BL Rib Torsion Bit 3-Piece Set

- Tip with rib that enhances the strength.
- Torsion effect that absorbs the shock generated at the time of seating of the screw.
- Optimal for iron and steel work.



Model No.	Contents	Card size (mm)	EDP No.
RBT3P2065-BL	Φ2× 65 3pcs.	160×43×8	485380
RBT3P2082-BL	Φ2× 82 3pcs.	160×43×8	485381
RBT3P2110-BL	Φ2×110 3pcs.	160×43×8	485382

Inner Ctn.: 10 sets

No. RBT5P BL Rib Torsion Bit 5-Piece Set

- Bits in a clip holder with magnetizer.

Model No.	Contents	Card size (mm)	EDP No.
RBT5P2065-BL	Φ2× 65 5pcs.	160×75×23	485392
RBT5P2082-BL	Φ2× 82 5pcs.	160×75×23	485393
RBT5P2110-BL	Φ2×110 5pcs.	160×75×23	485394

Inner Ctn.: 5 sets

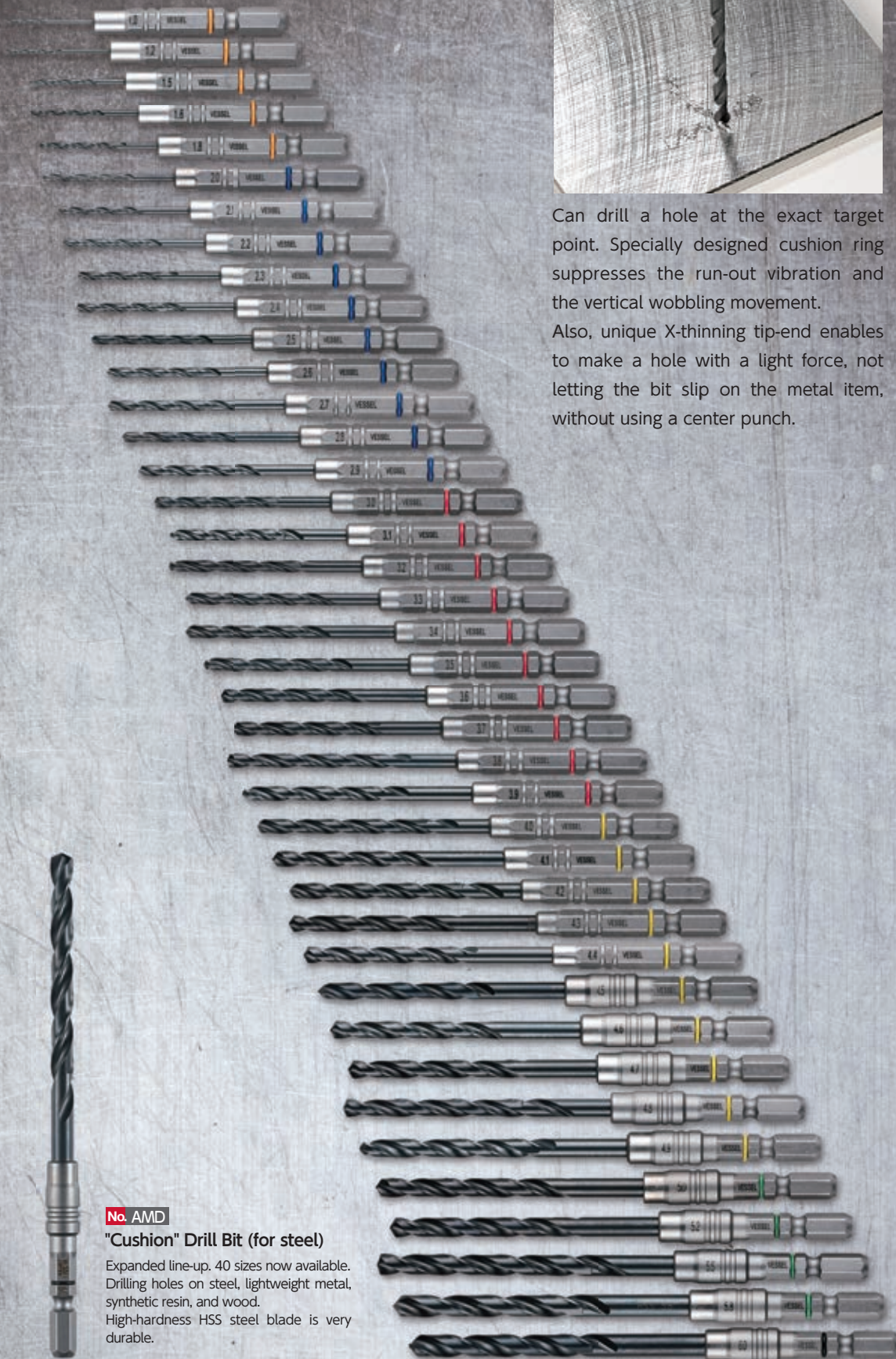
No. AMD

"Cushion" Drill Bit (for steel)



Can drill a hole at the exact target point. Specially designed cushion ring suppresses the run-out vibration and the vertical wobbling movement.

Also, unique X-thinning tip-end enables to make a hole with a light force, not letting the bit slip on the metal item, without using a center punch.



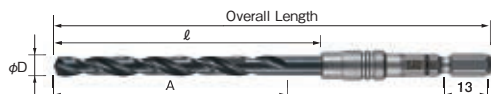
No. AMD

"Cushion" Drill Bit (for steel)

Expanded line-up. 40 sizes now available. Drilling holes on steel, lightweight metal, synthetic resin, and wood. High-hardness HSS steel blade is very durable.

No. AMD "Cushion" Drill Bit (for steel) PAT.

- Expanded line-up. 40 sizes now available.
- Drilling holes on steel, lightweight metal, synthetic resin, and wood.
- High-hardness HSS steel blade is very durable.



X-shape (cross) thinning process enables high-speed drilling and remarkable fitting.

Can drill a hole with a light force even without using a center punch.



Model No.	φD	L	A	Overall Length (mm)	X-shape (cross) thinning	EDP No.
AMD-1.0	1.0	22	12	72	—	461111
AMD-1.2	1.2	26	16	76	—	461112
AMD-1.5	1.5	24	18	74	—	461113
AMD-1.6	1.6	26	20	76	—	461114
AMD-1.8	1.8	29	22	79	—	461115
AMD-2.0	2.0	32	24	82	—	461001
AMD-2.1	2.1	32	24	82	—	461116
AMD-2.2	2.2	36	27	86	—	461117
AMD-2.3	2.3	36	27	86	—	461118
AMD-2.4	2.4	40	30	90	—	461119
AMD-2.5	2.5	40	30	90	—	461002
AMD-2.6	2.6	40	30	90	—	461120
AMD-2.7	2.7	44	33	94	—	461121
AMD-2.8	2.8	44	33	94	—	461003
AMD-2.9	2.9	44	33	94	—	461122
AMD-3.0	3.0	44	33	94	●	461004
AMD-3.1	3.1	44	36	94	●	461123
AMD-3.2	3.2	48	36	98	●	461005
AMD-3.3	3.3	48	36	98	●	461006
AMD-3.4	3.4	53	39	103	●	461017
AMD-3.5	3.5	53	39	103	●	461007
AMD-3.6	3.6	53	39	103	●	461018
AMD-3.7	3.7	53	39	103	●	461008
AMD-3.8	3.8	58	43	108	●	461009
AMD-3.9	3.9	58	43	108	●	461124
AMD-4.0	4.0	58	43	108	●	461010
AMD-4.1	4.1	58	43	108	●	461125
AMD-4.2	4.2	58	43	108	●	461011
AMD-4.3	4.3	63	47	113	●	461019
AMD-4.4	4.4	63	47	113	●	461126
AMD-4.5	4.5	63	47	114	●	461012
AMD-4.6	4.6	64	47	114	●	461127
AMD-4.7	4.7	64	47	114	●	461128
AMD-4.8	4.8	69	52	120	●	461013
AMD-4.9	4.9	70	52	120	●	461129
AMD-5.0	5.0	69	52	120	●	461014
AMD-5.2	5.2	69	52	120	●	461020
AMD-5.5	5.5	76	57	127	●	461015
AMD-5.8	5.8	77	57	127	●	461130
AMD-6.0	6.0	76	57	127	●	461016

*Colors inside the table cells indicate the ring color.

Mounting quantity : 1 Card size : 165×35×8mm
Inner Ctn: 10 sets, Outer Ctn: 200 sets

No. AMD3S "Cushion" Drill Bit (for steel) 3-Piece Set PAT.

- Drilling holes on steel, lightweight metal, synthetic resin, and wood.
- High-hardness HSS steel blade is very durable.

Model No.	Contents	Card size (mm)	EDP No.
AMD3S-1	2.0 / 2.5 / 3.0mm 1pc ea	165×45×10	461101
AMD3S-2	3.0 / 3.5 / 4.0mm 1pc ea	165×45×10	461102
AMD3S-3.5	3.5mm 3 pcs	165×45×10	461103
AMD3S-2.0	2.0mm 3pcs	165×45×10	461089
AMD3S-2.5	2.5mm 3pcs	165×45×10	461090
AMD3S-2.8	2.8mm 3pcs	165×45×10	461091
AMD3S-3.0	3.0mm 3pcs	165×45×10	461092
AMD3S-3.2	3.2mm 3pcs	165×45×10	461093
AMD3S-3.3	3.3mm 3pcs	165×45×10	461094
AMD3S-3.8	3.8mm 3pcs	165×45×10	461095
AMD3S-4.0	4.0mm 3pcs	165×45×10	461096
AMD3S-4.2	4.2mm 3pcs	165×45×10	461097
AMD3S-4.5	4.5mm 3pcs	165×45×10	461098
AMD3S-5.0	5.0mm 3pcs	165×45×10	461099
AMD3S-6.0	6.0mm 3pcs	165×45×10	461100

Inner Ctn: 10 sets

No. AMD6P "Cushion" Drill Bit (for steel) 6-Piece Set

Model No.	Contents	Card size (mm)	EDP No.
AMD6P-3.5	3.5mm 6 pcs	165×55×7	461104

Inner Ctn: 10 sets

No. AMD7S "Cushion" Drill Bit (for steel) 7-Piece Set

- Drilling holes on steel, lightweight metal, synthetic resin, and wood.
- High-hardness HSS steel blade is very durable.

Model No.	Contents	Card size (mm)	EDP No.
AMD7S	φD 2.8,3.0,3.5,4.2, 4.5,5.0,6.0mm (1 each)	175×65×10	461105

Inner Ctn: 10 sets

No. AMD14S "Cushion" Drill Bit (for steel) 14-Piece Set

Model No.	Contents	Card size (mm)	EDP No.
AMD14S	φD 1.5,2.0,2.5,2.8,3.0,3.2,3.5,4.0, 4.5,5.0,5.5,6.0,6.5,7.0mm (1 each)	155×108×38	461106

Inner Ctn: 10 sets

No. KMD "KESSAKU" Drill Bit (for steel)

- "Irregular spiral shape" adopted. Spiral angle is moderate toward the shank side. Chips are exhausted smoothly, resulting in a high speed drilling.
- X-shape (cross) thinning process helps the tip fit the object and drill a hole without punching.
- Tip-end angle is as acute as 118°. Can drill a hole with a light force.
- Sharp edge lasts as high hardness HSS steel is adopted.

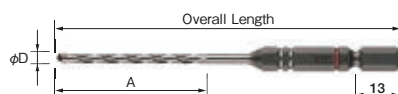


Model No.	φD (mm)	A (mm)	Overall Length (mm)	Card size (mm)	Inner Ctn.	Outer Ctn.	EDP No.
KMD-6.5	6.5	63	107	165×35×11	10	200	461141
KMD-7.0	7.0	65	109	165×35×11	10	200	461142
KMD-7.5	7.5	66	110	165×35×11	10	200	461143
KMD-8.0	8.0	67	111	165×35×11	10	200	461144
KMD-8.5	8.5	70	114	165×35×11	10	200	461145
KMD-9.0	9.0	73	117	165×35×11	10	200	461146
KMD-9.5	9.5	74	118	165×35×15	5	100	461147
KMD-10.0	10.0	76	120	165×35×15	5	100	461148
KMD-10.5	10.5	78	122	165×35×15	5	100	461149
KMD-11.0	11.0	81	125	165×35×15	5	100	461150
KMD-11.5	11.5	82	126	165×35×15	5	100	461151
KMD-12.0	12.0	83	127	165×35×15	5	100	461152
KMD-12.5	12.5	83	128	165×35×15	5	100	461153
KMD-13.0	13.0	85	130	165×35×15	5	100	461154

Mounting quantity : 1

No. ACD "Cushion" Drill Bit (for concrete) PAT.

- Drilling holes on mortar, block, brick, ALC, plaster boards, etc. and also drilling pilot holes for screw anchor insertion and plugless screws.



Carbide Chip + Asymmetry shape



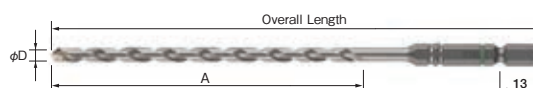
This asymmetry shaped tip reduces the cutting resistance, making it possible to drill at a relatively low torque.



Model No.	φD	A	Overall Length (mm)	Card size (mm)	EDP No.
ACD-3.0	3.0	45	102	165×35×8	462001
ACD-3.2	3.2	45	102	165×35×8	462002
ACD-3.4	3.4	45	102	165×35×8	462003
ACD-3.5	3.5	45	102	165×35×8	462004
ACD-3.8	3.8	50	107	165×35×8	462005
ACD-4.0	4.0	50	107	165×35×8	462006
ACD-4.3	4.3	50	107	165×35×8	462007
ACD-4.5	4.5	50	107	165×35×8	462008
ACD-4.8	4.8	50	107	165×35×8	462009
ACD-5.0	5.0	50	107	165×35×8	462010
ACD-5.3	5.3	65	122	165×35×8	462015
ACD-5.5	5.5	65	122	165×35×8	462011
ACD-6.0	6.0	65	122	165×35×8	462012
ACD-6.4	6.4	65	122	165×35×8	462013
ACD-6.5	6.5	65	122	165×35×8	462014

*Colors inside the table cells indicate the ring color. Mounting quantity : 1 Inner Ctn: 10 sets, Outer Ctn: 200 sets

No. ACD "Cushion" Drill Bit (for concrete) Long Type PAT.



Model No.	φD	A	Overall Length (mm)	Card size (mm)	EDP No.
ACD-3.4L	3.4	95	152	200×35×8	462029
ACD-3.5L	3.5	95	152	200×35×8	462030
ACD-4.3L	4.3	100	157	200×35×8	462031
ACD-4.8L	4.8	100	157	200×35×8	462032
ACD-5.0L	5.0	100	157	200×35×8	462033
ACD-6.4L	6.4	115	172	200×35×8	462034

*Colors inside the table cells indicate the ring color. Mounting quantity : 1 Inner Ctn: 10 sets, Outer Ctn: 200 sets

No. ACD3S "Cushion" Drill Bit (for concrete) 3-Piece Set PAT.



Model No.	Contents	Card size (mm)	EDP No.
ACD3S-3.4	3.4mm 3 pcs	165×50×8	462101
ACD3S-3.5	3.5mm 3 pcs	165×50×8	462102
ACD3S-4.3	4.3mm 3 pcs	165×50×8	462103

*Colors inside the table cells indicate the ring color.

Inner Ctn: 10 sets

One point

Drill a large bore hole with "KESSAKU" drill bit.

Irregular spiral shape

While making a hole, high speed revolution of power tool may cause the machined chips to block the drilled hole and, in consequence, the product cannot be drilled through. In order to let out the chips sequentially, the tip-end of the drill adopts an irregular spiral shape in its design. The spiral angle turns to be more moderate in the drive side. This design enables to make the drilling work quicker by exhausting the machined chips efficiently.



118° Tip-end

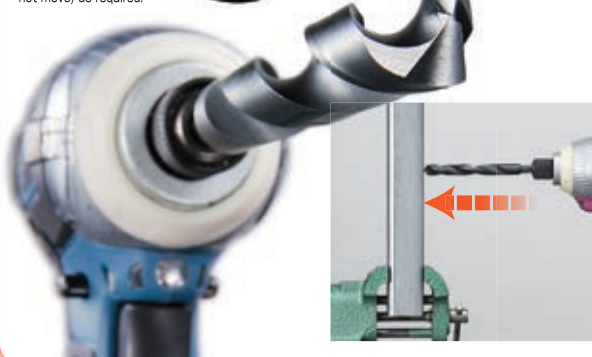
Cutting quality emphasis. Drill a hole just by pushing lightly toward the drilled object.



X-shape thinning

Improved bite.

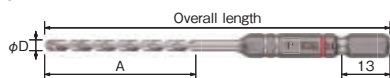
No punch (a marking to determine the center of the machined object so that the drill tip-end does not move) is required.



No. APD "Cushion" Drill Bit for Porcelain Tiles **NEW**



- Slipless quick drilling.
- Special carbide chip for porcelain tiles is attached at the bit tip with heat-resistant solder.
- Cushion ring prevents backlash, enabling to drill at the right point.



Model No.	φD	A	Overall Length (mm)	Card size (mm)	EDP No.
APD-3.0	3.0	45	102	165×35×8	464001
APD-3.2	3.2	45	102	165×35×8	464002
APD-3.4	3.4	45	102	165×35×8	464003
APD-3.5	3.5	45	102	165×35×8	464004
APD-3.8	3.8	50	107	165×35×8	464005
APD-4.0	4.0	50	107	165×35×8	464006
APD-4.3	4.3	50	107	165×35×8	464007
APD-4.5	4.5	50	107	165×35×8	464008
APD-4.8	4.8	50	107	165×35×8	464009
APD-5.0	5.0	50	107	165×35×8	464010
APD-5.3	5.3	65	122	165×35×8	464011
APD-5.5	5.5	65	122	165×35×8	464012
APD-6.0	6.0	65	122	165×35×8	464013
APD-6.4	6.4	65	122	165×35×8	464014
APD-6.5	6.5	65	122	165×35×8	464015

*Colors inside the table cells indicate the ring color. Mounting quantity: 1 Inner Ctn: 10 sets, Outer Ctn: 200 sets

No. APD3S "Cushion" Drill Bit for Porcelain Tiles 3-Piece Set



- Slipless quick drilling.
- Special carbide chip for porcelain tiles is attached at the bit tip with heat-resistant solder.
- Cushion ring prevents backlash, enabling to drill at the right point.

Model No.	Contents	Card size (mm)	EDP No.
APD3S-3.4	3.4mm 3 pcs	165×50×8	464016
APD3S-3.5	3.5mm 3 pcs	165×50×8	464017
APD3S-4.3	4.3mm 3 pcs	165×50×8	464018
APD3S-6.0	6.0mm 3 pcs	165×50×8	464019

*Colors inside the table cells indicate the ring color. Inner Ctn: 10 sets

One point

Outstanding durability and machining speed

Special tip-end design, with drilling capability on porcelain tiles taken into consideration, enables to drill quickly.

Carbide chip is soldered at the tip-end. Asymmetric tip-end reduces the machining resistance, resulting in a quick drilling with a low torque even on a hard and slippery porcelain tile.

Specially designed asymmetric tip-end with a carbide chip. Very recommended for drilling on porcelain tiles.



Heat resistant solder makes the bit highly endurable even without using water when drilling.

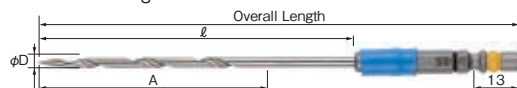
Endurable soldering material is chosen for attachment of the carbide chip to the tip-end of the bit, and thus water is not always required. However, using the APD drill bit with water at its tip-end can improve the lifetime.



No. ATD "Cushion" Drill Bit for Awl

PAT.

- Drilling holes on steel, wood, bamboo, plaster, and resin boards. Also drilling a pilot hole on other brittle materials.
- Durable straight shank can drill a hole on hard wood.



Model No.	φD	ℓ	A	Overall Length (mm)	Card size (mm)	EDP No.
ATD-4	3.0	93	62	143	200×35×8	463001
ATD-5	4.0	103	76	153	200×35×8	463002
ATD-6	5.0	113	80	163	200×35×8	463003

*Colors inside the table cells indicate the ring color. Mounting quantity: 1 Inner Ctn: 10 sets, Outer Ctn: 200 sets

No. NEJ Damaged Screw Remover

- Easy to remove stripped or damaged screws with an electric screwdriver (at low speed mode).
- No need to change the rotation; drilling on a damaged screw and removing it can be conducted by rotating counterclockwise.
- O-ring helps distinguish the sizes. Also good to check the drill or thread side.



Model No.	Compatible Screw	Overall Length	Tip dia. Drill	Screw	H (mm)	EDP No.
NEJ-1	M3~M4	82	1.8	1.7	6.35	485424
NEJ-2	M5~M6	82	2.7	2.6	6.35	485425
NEJ-3	M6~M8	82	3.7	3.6	6.35	485426

*Colors inside the table cells indicate the ring color. Card size: 135×50×8mm Inner Ctn: 10 sets Outer Ctn: 200 sets

No. NEJ-123 Damaged Screw Remover 3-Piece Set

Model No.	Contents	EDP No.
NEJ-123	NEJ-1/ NEJ-2/ NEJ-3 1 for each	485428

Card size: 135×63×8mm Inner Ctn: 10 sets Outer Ctn: 200 sets

One point

How easy to remove damaged screws!!



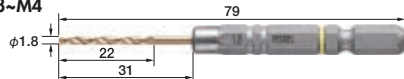
No need to change the rotation direction of the power tool. Always use counterclockwise.

*Not suitable for hardened or reverse screws.

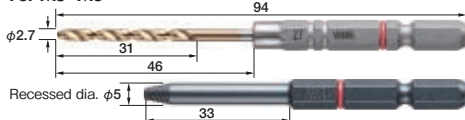
No. NEJ Damaged Screw Remover Bit "Slim Type" **NEW**

- Slim tip-end suitable for use in a cramped space.
- Titanium coated cobalt high-speed steel drill can be used with a stainless steel screw.
- Make a pilot hole on the damaged screw head with the drill bit and remove it with the thread tip-end bit.

For M3~M4



For M5~M6



Model No.	Set contents	EDP No.
NEJ-4	Drill bit (1.8mm), Thread tapered bit (φ4)	485429
NEJ-5	Drill bit (2.7mm), Thread tapered bit (φ5)	485430

*Colors inside the table cells indicate the ring color. Card size: 160×35×8mm Inner Ctn: 10 sets Outer Ctn: 100 sets

No. NEJ-45 Damaged Screw Remover Bit "Slim Type" Set

Model No.	Set contents	EDP No.
NEJ-45	Drill bit (1.8mm), Thread tapered bit (φ4) Drill bit (2.7mm), Thread tapered bit (φ5)	485423

Card size: 160×50×12mm Inner Ctn: 10 sets Outer Ctn: 50 sets

One point

Solution for removal of stripped screws.



No. BH-9 Cap Drill Chuck



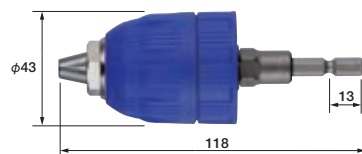
Model No.	Tip grip range	Overall Length (mm)	Card size (mm)	EDP No.
BH-9	Dia.: 1.5~6.5	77.5	140×50×29	485301

*Colors inside the table cells indicate the cap color. Mounting quantity: 1 Inner Ctn: 10 sets

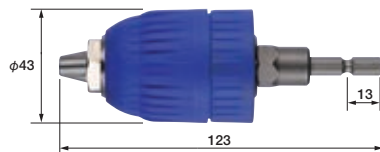
No. BH Drill Chuck Keyless Type (For power tools)

- For Air tools, Electric tools.

BH-261



BH-271

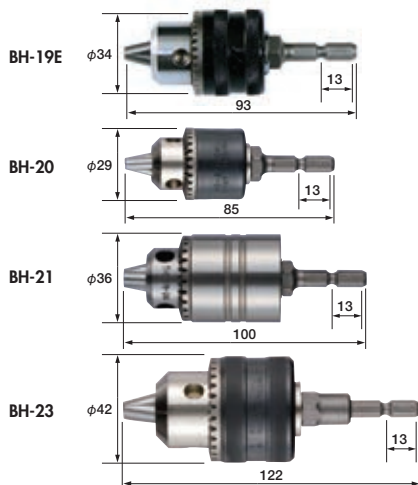


Model No.	Contents	Tip grip range (mm)	Card size (mm)	EDP No.
BH-261	Drill Chuck (Keyless)	Dia.: 0.5~10	140×80×45	486344
BH-271	Drill Chuck (Keyless)	Dia.: 1.5~13	140×80×45	486343

Inner Ctn: 5 sets

No. BH Drill Chuck Key Type

- For Air tools, Electric tools.
- Excellent holding performance. High precision.
- High durability shaft unit.
- Key type: Attach and detach tools with the included key.
- Hybrid type: Works with or without a key.

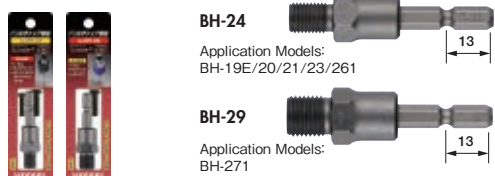


Model No.	Contents	Tip grip range (mm)	Card size (mm)	EDP No.
BH-19E	Drill Chuck (Keyed) · Key	Dia.:1.0~10	140×80×37	485311
BH-20	Drill Chuck (Keyed) · Key	Dia.:0.8~6.5	140×80×31	486337
BH-21	Drill Chuck (Hybrid) · Key	Dia.:1.5~10	140×80×38	486338
BH-23	Drill Chuck (Keyed) · Key	Dia.:1.5~13	140×80×44	486340

For the BH-25 applicable models, see the D83 type on page 58

Inner Ctn.: 5 sets

No. BH Spare Shaft for Drill Chucks



Model No.	Contents	Screw size	Card size (mm)	EDP No.
BH-24	Spare shank · Reversing screw	3/8-24UNF	135×35×17	486341
BH-29	Spare shank · Reversing screw	1/2-20UNF	135×35×17	486349

Inner Ctn.: 5 sets

No. BH-28 Drill Chuck SDS Puls type

- For rotary hammer and hammer drills.

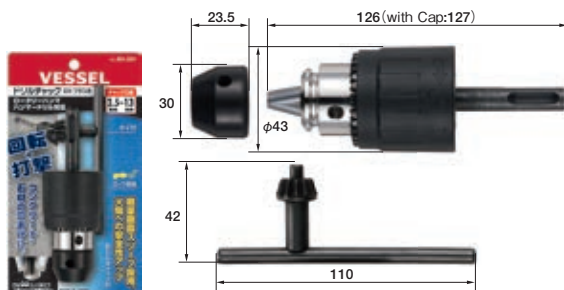


Model No.	Contents	Tip grip range (mm)	Card size (mm)	EDP No.
BH-28	Drill Chuck (Keyless)	Dia.:1.5~13	185×100×45	486348

Inner Ctn.: 5 sets

No. BH-22H Drill Chuck SDS Puls type

- For rotary hammer and hammer drills.



Model No.	Contents	Tip grip range (mm)	Card size (mm)	EDP No.
BH-22H	Drill Chuck (Keyed) · Key	Dia.:2.5~13	185×100×45	485312

Inner Ctn.: 5 sets

No. BH-22HC Dust-proof cap

- For BH-22H.



Model No.	Contents	Box size (mm)	EDP No.
BH-22HC	Dust-proof cap / 5pcs.	58×56×174	485313

Inner Ctn.: 5 sets