



BITS

We Offer Real Industrial Bits



VESSEL embarked on the development of industrial bits in 1954. Since then, we have constantly put our efforts into improving our manufacturing processes, to produce an ever-improving line of industrial bits. Our motto is: "FAST PRODUCTION & DELIVERY OF EXCELLENT BITS, made of HIGH GRADE MATERIALS, with SUPERIOR TIP CONFIGURATIONS through UNSURPASSED HEAT TREATMENT."

Effective, secure fastening of screws is indispensable in improved work efficiency and increased reliability in mass production assembly factories. Good bits play a vital role in improved product quality and cost reduction. We offer a wide range of high quality industrial bits with the quickest possible delivery. The accurately machined tip configuration of VESSEL bits will match any screw heads perfectly. Our materials and heat treatment methods are carefully selected for the greatest durability. We offer a wide selection of products, and consultation service to help you select and use the appropriate VESSEL bits. We assure reliability with our computer-assisted product control. VESSEL bits can be an integrant part of your fastening application system.



This photo is presented through the courtecy.

VESSEL bits are born in Izumo (Shimane Prefecture), a land famous for mythological legends and "tatara", the iron sand from which the forging steel of Japanese swords comes from. Since long ago, the Izumo area has been producing iron sand of high purity. This is where "tatara working" – a process for making steel unique to Japan – has thrived. VESSEL's factory is located plump in the cradle of this Japanese steel. From here, VESSEL delivers industrial bits with solid confidence to assembly factories around the world.

MATERIALS

Any wear and fracture found on our bits not only reduce the job efficiency but also lose the reliability of the assembled products. VESSEL knows that the quality of our bits first upon correct selection of materials. For this reason, we are developing a variety of bit materials to meet diverse needs. We blend elements such as Carbon, Silicon, Magnesium, Nickel, Chrome, Molybdenum and Vanadium into our steels, and drawing forth their inherent characteristics through our long experience with heat treatment processes. Therefore, the tips of our highly durable bits are wear and shock resistant, as well as functionally well designed.



ACCURACY

Accuracy of size and shape are essential in the manufacture of precision bits. Therefore our bit materials are stocked as bars, before being machined or shaped. This reduces the possibility of changes due to heat treatment or stress in the manufacturing process. Not only shaping accuracy but also uniform quality is exceptionally high.
Even an excellent bit would still be useless if it did not fit the screw head.
Therefore our pursuit of accuracy begins with our consultations with the manufacturing engineers at our customer's factories. We work with our customers, because we know that we must manufacture bits which fit the exact purpose for which they will be used.





QUALITY CONTROL

Following VESSEL INDUSTRIAL CO., LTD. (our screwdriver manufacturing division), VESSEL SHIMANE CO., LTD. (our bits manufacturing division) obtained ISO9001 Quality System approval certification in 2002. We are pursuing the good environment in order to produce the handy tools.

Certification Report

Our manufacturing division:	VESSEL SHIMANE CO., LTD.
Target products:	Bits
Certifying body:	Japan Quality Assurance Organization (JQA)
Registration number:	JQA-QM7710
Certified date:	January 25, 2002





Selection of the Proper Heat Treatment

VESSEL industrial bits are classified according to five main heat treatment classes based on our long-time research data. The selection of the proper heat treatment is important in securing the longest life for bits, but it may require some trial and error to select the proper heat treatment for a particular application.

In general, if your bits tend to get broken or chip-off, a bit with less hardness such as "G" will be selected. If your bits wore quickly, choose a harder bit such as "H" or "X" .

If any excessive shock is given to the tops of your bits according to the connecting condition of the products or types of the tightening tools, select a bit with less hardness.

X — H — G — E — S

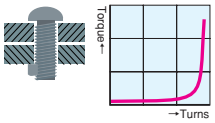
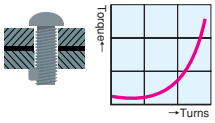
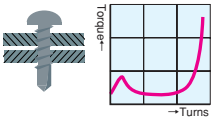
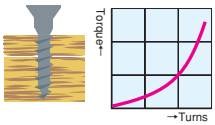
High ← Bit hardness → Low

However, bits may often break or get worn due to various factors such as different operations, different torque values and different power tool settings (different tightening structures or using an unnecessarily high torque).



HEAT TREATMENT CLASS	SCREWS TO BE FASTENED	TYPE OF FIELD
X HIGHEST HARDNESS	PRECISION SCREWS, AUTOMATIC MOUNTING SCREWS, CONNECTING SCREWS	ASSEMBLY OF PRECISE EQUIPMENT, AUTOMATIC MACHINE SCREWING OF LIGHT ELECTRICAL APPLIANCE, HOUSING
H HIGH HARDNESS	WOOD SCREWS, MACHINE SCREWS, SELF-TAPPING SCREWS, SELF-DRILLING SCREWS	ASSEMBLY OF LIGHT ELECTRICAL APPLIANCE & AUDIO EQUIPMENT, BUILDING & WOODWORKING
G STANDARD HARDNESS	TAPPING SCREWS, MACHINE SCREWS	ASSEMBLY OF CAR, MACHINE PARTS & WINDOW DOOR SASHES

VESSEL supplies "E" and "S" -type bits with low hardness for heavy works. They are ideal for the tools with high impact.

Joining		Type of fastening tool	Bit hardness
Rigid joining, screw fastening 	●Resistance is low at first but increases rapidly the instant the screw head sits. ●Requires comparatively little time to fasten.	Fastening by compact power screwdrivers and automatic screw fastening machine (Low torque work) →	**X**
		Torque control type/Deceleration type pneumatic screwdrivers and power screwdrivers (Medium torque work) →	**H**
		Oil pulse and impact type pneumatic screwdrivers and rechargeable impact screwdrivers (High torque work) →	**G**
Flexible joining (packing inserted) and resin tapping and fastening 	●Resistance increases with every turn of the screw. Resistance increases even after seating. ●Requires comparatively little time to fasten.	Fastening by compact power screwdrivers and automatic screw fastening machine (Low torque work) →	**X**
		Oil pulse, impact and other types of pneumatic screwdrivers and rechargeable impact screwdrivers (Medium to high torque work) →	**G**
Fastening of drill screws and tapping screws 	●Resistance is felt as the screw penetrates. Resistance lessens momentarily only to increase after seating. ●Requires a comparatively long time to fasten.	Power screwdrivers and reduction type pneumatic screwdrivers (Medium torque work) →	**H**
		Oil pulse, impact and other types of pneumatic screwdrivers and rechargeable impact screwdrivers (High torque work) →	**G**
Wood screw fastening 	●At first, resistance is low, but then it increases as the screw penetrates. ●Requires a comparatively long time to fasten.	Power screwdriver with screw feeder (Low torque work) →	**X**
		Oil pulse and impact type pneumatic screwdrivers and rechargeable impact screwdrivers (High torque work) →	**H**

Order-Made Bits

VESSEL produces bits for a wide and diversified range of screw fastening situations. At present, 703 VESSEL bits are standard compliant; we even have bits of shapes and sizes for overseas markets. But, if these standard compliant bits do not meet user needs, our production engineers will make bits to order based on provided specifications. VESSEL's extensive experience is backed by the desire of our users to grow and develop. Reason being that users look at bit shape, quality and durability with a critical eye. Not only can VESSEL produce different lengths and hardness by changes in heat treatment but we can also flexibly manufacture bits for automatic assembly machine, special configuration screws or any need.

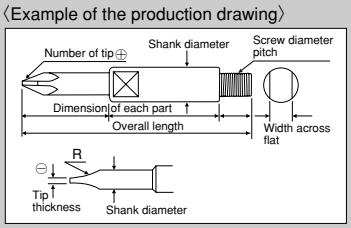
HOW TO ENQUIRE AND ORDER SPECIAL ITEM

In case you cannot find your application in our standard selections, we offer special-make bits. In order to avoid misunderstanding on its application, you are kindly requested to inform us on following specific points.

Samples of concerned bits Screws to be fastened with Drawings of particular bits

However, if you need change only the overall length or hardness of our standard selections, the samples and drawings are not required.

〈Example of the production drawing〉



※Necessary information

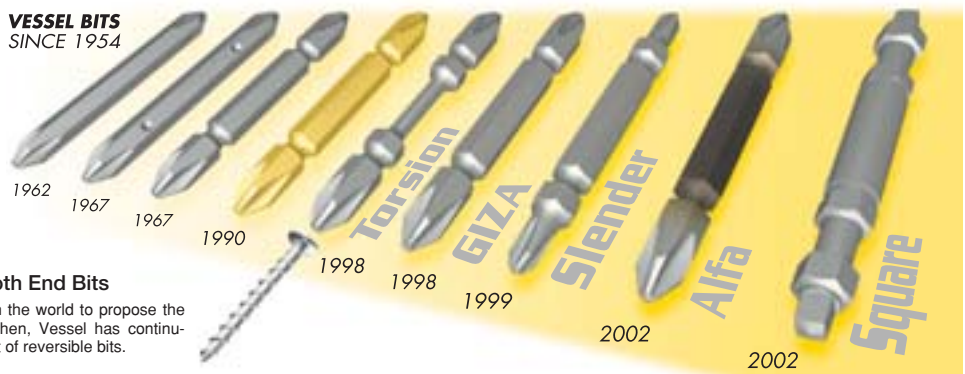
Overall length, shank diameter, shank length, outer diameter, number of tip, tip thickness, distance between opposite sides of hex. head, surface treatment, heat treatment classification



For Pneumatic and Electric Power Bits (Type A)

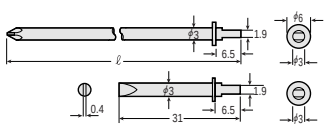
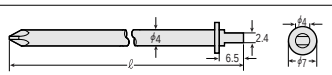
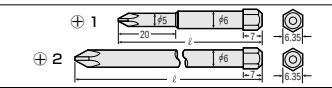
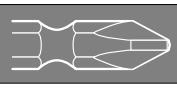
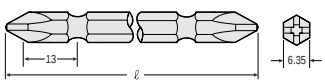
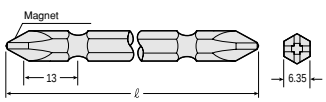
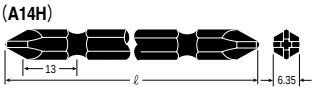
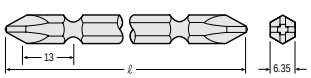
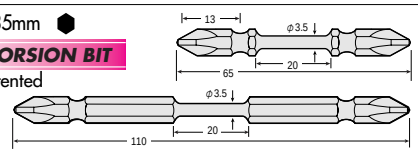


VESSEL BITS
SINCE 1954



History of the Both End Bits

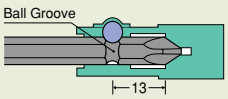
Vessel was the first in the world to propose the reversible bit. Since then, Vessel has continuously led development of reversible bits.

Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
3mm ⊖ 	**A7**	⊕ 0× 36	H	10	100	**Made by VESSEL** GT-H2
		70	H	10	100	
		100	H	10	100	
		⊕ 1× 36	H	10	100	
		70	H	10	100	
		100	H	10	100	
		⊖ 3× 31	G	10	100	
4mm ⊖ 	**A9**	⊕ 1× 40	H	10	100	**Made by VESSEL** GT-H3P
		70	H	10	100	
		⊕ 2× 40	H	10	100	
		70	H	10	100	
6.35mm ⬢ ⊕ 1 ⊕ 2 	**A11**	⊕ 1× 50	H	10	100	**Made by Uryu** US-3 US-3W
		75	H	10	100	
		⊕ 2× 50	G.E	10	100	
		⊕ 2×100	G	10	100	
 H6.35mm						**Made by VESSEL** GT-H4R·H4PR·H4.5·H5R·H5P·PH4·PH5·S4.5D·S4.5DR·PLR·PLZ·PLP·PLH II·S6MLR·S6HS·S6.5D·P4.5D·P4.5DR·P5LS·P6GD·P6XD·P6LS III·P6MS·P6HS·P6.5D·S4TR·S4TS·S4TG·S5TR·S5TB·S5TG·S5TS **Made by Nippon Newmatic Mfg.** SD-4 ND-5LPY·6LFAY·6HSY·6HPAY·6SDY·6PDY NPW-450A-DYO·550A-DYO·450EA-DYO·450A-TDY·550A-TDY **Made by Fuji Kuki** FPW-330SD-10·440D-20·550D-20·660D-30·770D-20·400SD-10·440SD-10·550SD-10·660SD-10 FET-44D-20·55D-20·66D-20 FW-5SXD-70·80,6SXD-60,5PXD-60,6PXD-60,6PMD-10,44SD-10,66SD-10,44PD-10,66PD-10,44SAD-10,66SAD-10,44PAD-10,66PAD-10 FPT-44DD-10·10L,550D-10·10L,660D-10·10L,440SD-10,550SD-10,660SD-10 **Made by MAX** AT-ID750P·700P **Made by Yutani** D-6SSAEL·5WPEA·6SPAL·6SPALE·600SHEA·6WSHPEA·602A·6SHPAL DH-4.5PEA **Made by Yokota** YX-180SB·280SB·380SB·500SB·80B·180B·280B·380B·500B YD-400SCB-4.5PBZK·50PBZ·65PBZ·65PTBZ·500PBZ·600PBZ·650PBZ·40PBZ Y-40SB·60SB·40B·55B·60B **Made by Toshiba** CIBL-144VA **Made by Hitachi Koki** WH-6DC·8DYA·9DM·10AC·10VA2·12DM·12DM2·12VB·12AB·12DK·12VA·14DM·14VA·14DH WP-10A·12DM, W-6M·6MV·5VC·5VD·6VC·6VH·6VJ·8V **Made by Makita** TD-123DRA·DRJ, TD-200DRH, TD-150DRA·DRJ, TD-122DRA·DRJ, TD-120DRA·DRJ·DRAJ TD-100DRA·DRJ, TD-061DRA 6919DRC·DRF, 6916DRC·DRF, 6990DRC·DRF, 6960DRC, 6954, 6952, 6904V, 6700N, AD603 6812, 6813SP, 6800B, 6801N **Made by Matsushita Electric Works** EZ-7200·6507·7201·6505·6506·6502·6609·6605·6582·6404·6120·6780·7301 EZT608YKY·603Y30KY·141DX-A·640DX-A·602·680 **Made by Ryobi** ID-8·12·80·130, CID-800, BID-1211·900·1220·121 **Made by Tohnichi** AUR5N ●The models in blue letters are the screwdrivers for light steel substrates or boards. It is recommended to use a 45 mm long bit.
6.35mm ⬢ 	**A14**	⊕ 1× 45	X.H	10	100	
		65	X.H.G	10	100	
		110	X.H.G	10	100	
		⊕ 2× 45	X.H.G	10	100	
		65	X.H.G.E	10	100	
		110	X.H.G.E	10	100	
		150	X.H.G.E	10	100	
		200	X.H.G.E	10	150	
		300	G	10	100	
		⊕ 3× 45	X.H.E	10	100	
		65	X.H.E	10	100	
		110	X.H.E	10	100	
	**M-A14** MG Magnetic	⊕ 1× 45	H	10	100	
		65	H	10	100	
		110	H	10	100	
		⊕ 2× 45	H.G	10	100	
		65	H.G	10	100	
		110	H.G	10	100	
		150	H	10	100	
6.35mm ⬢ **TAPPING BIT** (A14H)  These are the special tapping bits for M4 - M5 tapping crews. It is suitable for the works where a large torque is given to the tip.	**A14H**	⊕ 2× 65	H	10	100	
		110	H	10	100	
		150	H	10	100	
	A14B	⊕ 2× 50	S	10	100	
		75	S	10	100	
		100	S	10	100	
		150	S	10	100	
6.35mm ⬢ **ALFA BIT** 	**AL14** MG Magnetic	⊕ 2× 65	H	10	100	
		110	H	10	100	
6.35mm ⬢ **TORSION BIT** Patented 	**AT14** MG Magnetic	⊕ 2×3.5×65	H	10	100	
		110	H	10	100	

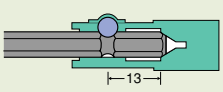
●For the order, specify the Model No., size, heat treatment class and quantity. Ex.) A14 ⊕2×65H 100 pcs.

■Connection of a bit and a power tool

The size of a bit clamping part is determined in consideration of the installed condition of each power tool.

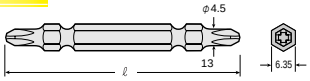
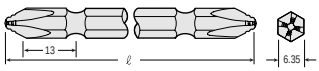
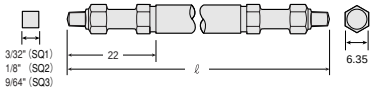
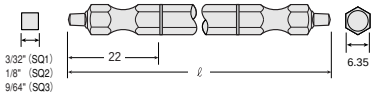
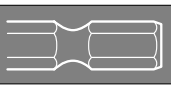
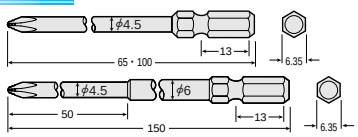
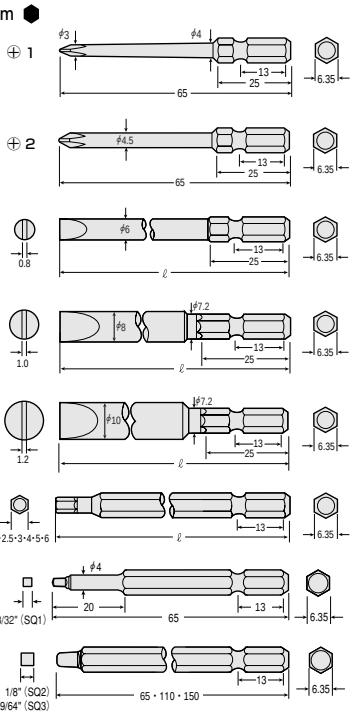


TYPE 6.35mm ⬢
A14,M-A14,A14H,A14B,AL14,AT14
AS14,AZ14

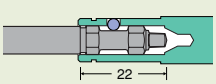


TYPE 6.35mm ⬢
AZ16,A16

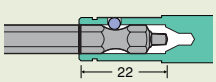
For Pneumatic and Electric Power Bits (Type A)

Shape	Model No.	Size TipXOverall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
SLENDER BIT 	**AS14** MG Magnetic	⊕ 1×65	H	5	100	**Made by VESSEL** GT-H4R·H4PR·H4.5·H5R·H5P·PH4·PH5·S4.5D·S4.5DR·PLR·PLZ·PLP·PLH Ⅱ·S6MLR·S6HS·S6.5D·P4.5D·P4.5DR·P5LS·P6GD·P6XD·P6LS Ⅲ·P6MS·P6HS·P6.5D·S4TR·S4TS·S4TG·S5TR·S5TB·S5TG·S5TS **Made by Nippon Newmatic Mfg.** SD-4 ND-5LPY·6LFAY·6HSY·6HPAY·6SDY·6PDY NPW-450A-DYO·550A-DYO·450EA-DYO·450A-TDY·550A-TDY **Made by Fuji Kuki** FPW-330SD-10·440D-20·550D-20·660D-30·770D-20·400SD-10·440SD-10·550SD-10·660SD-10 FET-44D-20·55D-20·66D-20 FW-5SXD-70·80, 6SXD-60, 5PXD-60, 6PXD-60, 6PMD-10, 44SD-10, 66SD-10, 44PD-10, 66PD-10, 44SAD-10, 66SAD-10, 44PAD-10, 66PAD-10 FPT-44OD-10·10L, 550D-10·10L, 660D-10·10L, 440SD-10, 550SD-10, 660SD-10 **Made by MAX** AT-ID750P·700P **Made by Yutani** D-6SSAEL·5WPEA·6SPAL·6SPALE·600SHEA·6WSHPEA·602A·6SHPAL DH-4.5PEA **Made by Yokota** YX-180SB·280SB·380SB·500SB·80B·180B·280B·380B·500B YD-400SCB·4.5PBZK·50PBZ·65PBZ·65PTBZ·500PBZ·600PBZ·650PBZ·40PBZ Y-40SB·60SB·40B·55B·60B **Made by Toshiba** CBL-144VA **Made by Hitachi Koki** WH-6DC·8DYA·9DM·10AC·10VA2·12DM·12DM2·12VB·12AB·12DK·12VA·14DM·14VA·14DH WP-10A·12DM **Made by Makita** TD-123DRA·DRJ, TD-200DRH, TD-150DRA·DRJ, TD-122DRA·DRJ, TD-120DRA·DRJ·DRAJ TD-100DRA·DRJ, TD-061DRA 6919DRC·DRF, 6916DRC·DRF, 6990DRC·DRF, 6960DRC, 6954, 6952, 6904V, 6700N, AD603 **Made by Matsushita Electric Works** EZ-7200·6507·7201·6505·6506·6502·6609·6605·6582·6404·6120·6780·7301 EZT608YKY·603Y30KY·141DX-A·640DX-A·602·680 **Made by Ryobi** ID-8·12·80·130, CID-800, BID-1211·900·1220·121 **Made by Tohnichi** AUR5N
		65	H	5	100	
		110	H	5	100	
GIZA BIT Patented 	**AZ14**	⊕ 2× 65	H	10	100	
		110	H	10	100	
		150	H	10	100	
		200	H	10	100	
Squared Double End Bits PAT.P. 	**A14**	SQ No.1× 65	H	10	100	
		SQ No.2× 65	H	10	100	
		SQ No.2×110	H	10	100	
		SQ No.2×150	H	10	100	
		SQ No.3× 65	H	10	100	
		SQ No.3×110	H	10	100	
		SQ No.3×150	H	10	100	
Squared Double End Bits PAT.P. NEW 	**A14R**	SQ No.1× 65	H	10	100	
		SQ No.2× 65	H	10	100	
		SQ No.2×110	H	10	100	
		SQ No.2×150	H	10	100	
		SQ No.3× 65	H	10	100	
		SQ No.3×110	H	10	100	
		SQ No.3×150	H	10	100	
 H6.35mm						
GIZA BIT Patented 	**AZ16**	⊕2×4.5×65	H	10	100	
		100	H	10	100	
		150	H	10	100	
6.35mm ⬢ 	**A16**	⊕1×3×65	H	10	100	
		⊕2×4.5×65	H	10	100	
		⊖ 6×45	G	10	100	
		70	G	10	100	
		⊖ 8×45	G	10	300	
		70	G	10	250	
		⊖ 10×52	G	10	200	
		70	G	10	200	
		A/F 2×65	H	10	100	
		110	H	10	100	
		2.5× 65	H	10	100	
		110	H	10	100	
		3× 65	H	10	100	
		110	H	10	100	
		4× 65	H	10	100	
		110	H	10	100	
		5× 65	G	10	100	
		110	G	10	100	
		6× 65	G	10	100	
		110	G	10	100	
		SQ No.1× 65		10	100	
		SQ No.2× 65		10	100	
		110		10	100	
		150		10	100	
		SQ No.3× 65		10	100	
		110		10	100	
		150		10	100	

●For the order, specify the Model No., size, heat treatment class and quantity. Ex.) A16 ⊖6×45G 100 pcs. ●For the Slender Bits, 5 pieces shall be packed in a vinyl bag. (It can be hanged on the hanger hook.)



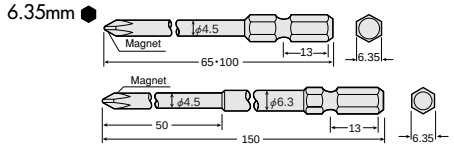
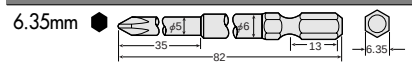
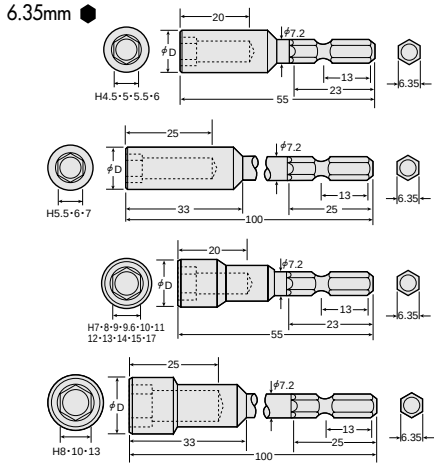
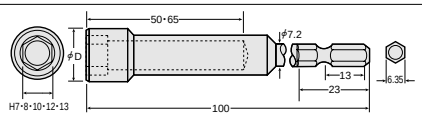
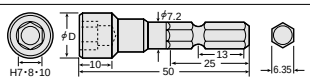
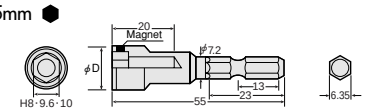
TYPE 6.35mm ⬢
A14 (SQ)



TYPE 6.35mm ⬢
A14R

⚠ CAUTION…
Please be sure to read through
"For the safety use of the tools" on page 134
of this catalog.

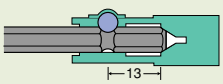
For Pneumatic and Electric Power Bits (Type A)

Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
H6.35mm						**Made by VESSEL** GT-H4R·H4PR·H4.5·H5R·H5P·PH4·PH5·S4.5D·S4.5DR·PLR·PLZ·PLP·PLH Ⅱ·S6MLR·S6HS·S6.5D·P4.5D·P4.5DR·P5LS·P6GD·P6XD·P6LS Ⅲ·P6MS·P6HS·P6.5D·S4TR·S4TS·S4TG·S5TR·S5TB·S5TG·S5TS **Made by Nippon Newmatic Mfg.** SD-4 ND-5LPY·6LFAY·6HSY·6HPAY·6SDY·6PDY NPW-450A-DYO·550A-DYO·450EA-DYO·450A-TDY·550A-TDY **Made by Fuji Kuki** FPW-330SD-10·440D-20·550D-20·660D-30·770D-20·400SD-10·440SD-10·550SD-10·660SD-10 FET-44D-20·55D-20·66D-20 FW-5SXD-70·80, 6SXD-60, 5PXD-60, 6PXD-60, 6PMD-10, 44SD-10, 66SD-10, 44PD-10, 66PD-10, 44SAD-10, 66SAD-10, 44PAD-10, 66PAD-10 FPT-440D-10·10L, 550D-10·10L, 660D-10·10L, 440SD-10, 550SD-10, 660SD-10 **Made by MAX** AT-ID750P·700P **Made by Yutani** D-6SSAEL·5WPEA·6SPAL·6SPALE·600SHEA·6WSHPEA·602A·6SHPAL DH-4.5PEA **Made by Yokota** YX-180SB·280SB·380SB·500SB·80B·180B·280B·380B·500B YD-400SCB·4.5PBZK·50PBZ·65PBZ·65PTBZ·500PBZ·600PBZ·650PBZ·40PBZ Y-40SB·60SB·40B·55B·60B **Made by Toshiba** CIBL-144VA **Made by Hitachi Koki** WH-6DC·8DYA·9DM·10AC·10VA2·12DM·12DM2·12VB·12AB·12DK·12VA·14DM·14VA·14DH WP-10A·12DM **Made by Makita** TD-123DRA·DRJ, TD-200DRH, TD-150DRA·DRJ, TD-122DRA·DRJ, TD-120DRA·DRJ·DRAJ TD-100DRA·DRJ, TD-061DRA 6919DRC·DRF, 6916DRC·DRF, 6990DRC·DRF, 6960DRC, 6954, 6952, 6904V, 6700N, AD603 **Made by Matsushita Electric Works** EZ-7200·6507·7201·6505·6506·6502·6609·6605·6582·6404·6120·6780·7301 EZT608YKY·603Y30KY·141DX-A·640DX-A·602·680 **Made by Ryobi** ID-8·12·80·130, CID-800, BID-1211·900·1220·121 **Made by Tohnichi** AUR5N
6.35mm ⬢ 	**M-A16** MG Magnetic	⊕2×4.5×65	H	10	100	
		100	H	10	100	
		150	H	10	100	
H6.35mm						
6.35mm ⬢ 	**D81**	⊕ 2× 82	X.H.E	10	100	
H6.35mm						
6.35mm ⬢ 	**A20**	A/F 4.5×55 O.D. φ7.5		10	250	
		5 ×55	8.5	10	250	
		5.5×55	10	10	250	
		100	10	10	250	
		6 ×55	10	10	200	
		100	10	10	200	
		7 ×55	13	10	200	
		100	13	10	150	
		8 ×55	13	10	200	
		100	13	10	150	
		9 ×55	16	10	150	
		9.6×55	16	10	150	
		10 ×55	16	10	150	
		100	16	10	100	
		11 ×55	16	10	150	
		12 ×55	19	10	100	
		100	19	10	100	
		13 ×55	19	10	100	
		100	19	10	50	
		14 ×55	20	10	100	
		15 ×55	22	10	50	
		17 ×55	23	10	50	
	**A20-3**	A/F 7×50×100	13	10	150	
		8×50×100	13	10	150	
		12×65×100	18	10	100	
		13×65×100	19	10	100	
	**A20-5**	A/F 7×50	13	10	200	
		8×50	13	10	200	
		10×50	16	10	150	
6.35mm ⬢ 	**MA20S** Side magnet	A/F 5/16" (8mm) ×55	13	10	100	 The magnet holds the bolt and nut.
		A/F 3/8" (9.6mm) ×55	16	10	100	
		A/F 10mm ×55	16	10	100	

●For the order, specify the Model No., size, heat treatment class and quantity.
Ex.) A16 ⊖ 6×45G 100 pcs.

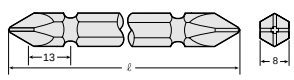
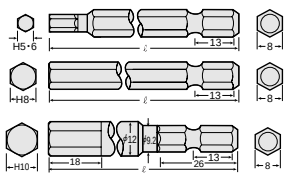
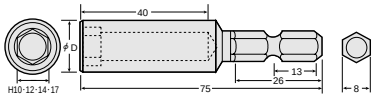
■Connection of a bit and a power tool

The size of a bit clamping part is determined in consideration of the installed condition of each power tool.

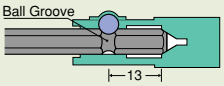


TYPE 6.35mm ⬢
M-A16,D81,A20,A20-3, A20-5,MA20S

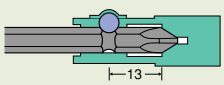
For Pneumatic and Electric Power Bits (Type A)

Shape	Model No.	Size Tip×Overall Length (ℓ)		Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
H8mm							**Made by VESSEL** GT-P8D・P10SⅡ **Made by Hitachi Koki** WH-14DA **Made by Matsushita Electric Works** EZ-6680
8mm ⬢ 	**A15**	⊕	2×65	G	10	250	
			110	G	10	150	
		⊕	3×65	E	10	250	
			110	E	10	150	
H8mm							
8mm ⬢ 	**A19**	A/F	5×65	G	10	250	
			6×65	G	10	250	
			130	G	10	100	
			8×65	G	10	250	
			130	G	10	100	
			10×65	S	10	200	
			130	S	10	100	
8mm ⬢ 	**A23-3**	A/F	10×75	O.D. ϕD16	10	150	
			12×75	18	10	100	
			14×75	20	10	100	
			17×75	23	10	50	

●For the order, specify the Model No., size, heat treatment class and quantity.
Ex.) A16 ⊖ 6×45G 100 pcs.

Ball Groove 

TYPE 8mm ⬢
A19,A23-3



TYPE 8mm ⬢
A15

⚠ CAUTION…
Please be sure to read through
"For the safety use of the tools" on page 134
of this catalog.

For Pneumatic and Electric Power Bits (Type B)

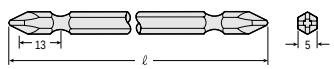
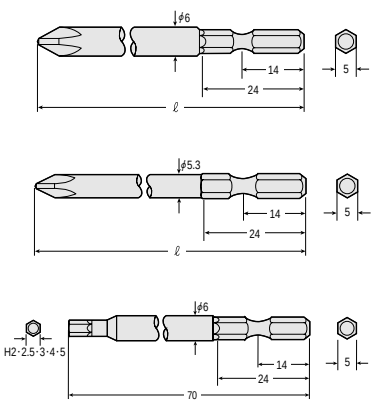
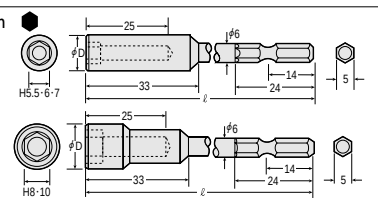


VESSEL BITS
SINCE 1954



Developing Industrial Bits Since 1954

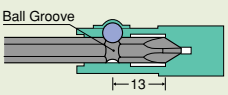
Vessel offers a wide range of items and extensive know-how for professional users. Vessel industrial bits are designed and developed for precision and durability using a vast repertoire of technology and years of experience meeting the strictest of demands.

Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
H5mm						**Made by VESSEL** GT-S5TFR · S5TFB · S5TFG · S4TFR · S4TFS · S4TFG **Made by Uryu** US-40 · 3.5A · 4 · 3.5PA · 4PB · US-LT20A series · LT30A series · LT40A series **Made by Yokota** YD-3 · 4 · 400SC
5mm ⬢ 	**B36**	⊕ 1× 70	X.H	10	100	
		100	X.H	10	100	
		⊕ 2× 70	X.H	10	100	
		100	X.H	10	100	
		150	X.H	10	100	
		200	H	10	100	
H5mm						**Made by VESSEL** GT-S4TFR · S4TFS · S4TFG · S5TFR · S5TFB · S5TFG **Made by Uryu** US-40 · 3.5A · 4 · 3.5PA · 4PB · US-LT20A series · LT30A series · LT40A series **Made by Delvo** DLV-7120 · 7130 · 7140 · 7220 · 7231 · 7241 · 8120 · 8130 · 8140 · 8220 · 8231 · 8241 · 7122 · 7132 · 7142 · 7222 · 7232 · 7242 · 8122 · 8132 · 8142 · 8222 · 8232 · 8242 **Made by Hios** VZ-1820 · 1820PS · 3012 · 3012PS **Made by Matsushita Electric Works** FE-A310S · A310MH · A310L · A111L · A111MH · A111M · A710AXN · A710MHN **Made by Yokota** YD-3 · 4 · 400SC **Made by Kanon** 9K-130P · 140P · 130PF · 131L · 131LF · 131P · 131PF 3K-120L · 180L · 180LF · 120P · 180P · 180PF 5KD-200 · 300
5mm ⬢ 	**B34**	⊕ 1× 70	X.H	10	100	
		100	X.H	10	100	
		150	X.H	10	100	
		⊕ 1×4×70	H	10	100	
		⊕ 1×5.3×105	X.H	10	100	
		⊕ 1×5.3×120	X.H	10	100	
		125	X.H	10	100	
		⊕ 2× 70	X.H	10	100	
		100	X.H	10	100	
		120	X.H	10	100	
		150	X.H	10	100	
		200	X.H	10	100	
		⊕ 2×4.5×70	H	10	100	
		⊕ 2×5.3×105	H	10	100	
		120	H	10	100	
		125	H	10	100	
		⊕ 2×6×125	X.H	10	100	
		A/F 2× 70	H	10	100	
		2.5× 70	H	10	100	
		3× 70	H	10	100	
		4× 70	H	10	100	
		5× 70	H	10	100	
5mm ⬢ 	**B44**	A/F 5.5×70	O.D. ϕ D10	10	250	
		100	10	10	250	
		6× 70	10	10	200	
		100	10	10	200	
		7× 70	13	10	200	
		100	13	10	150	
		8× 70	13	10	200	
		100	13	10	150	
		10× 100	16	10	100	

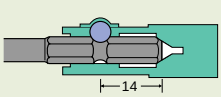
●For the order, specify the Model No., size, heat treatment class and quantity.
Ex.) B34 ⊕2×70H 100pcs.

■Connection of a bit and a power tool

The size of a bit clamping part is determined in consideration of the installed condition of each power tool.

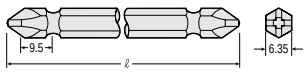
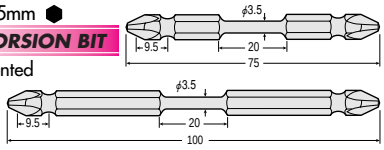
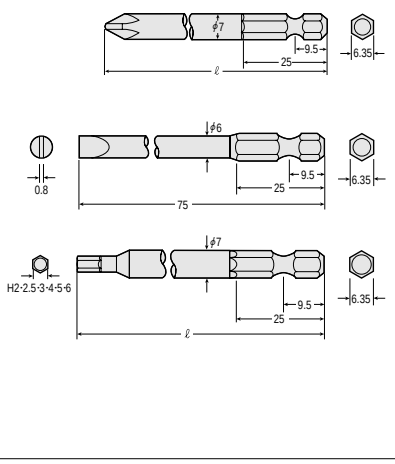
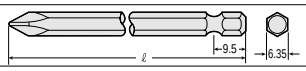
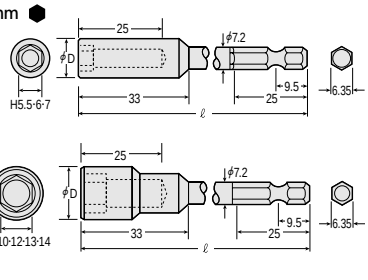


TYPE 5mm ⬢
B36

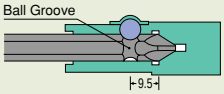


TYPE 5mm ⬢
B34,B44

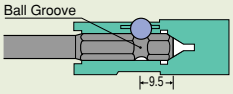
For Pneumatic and Electric Power Bits (Type B)

Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
H6.35mm						**Made by Uryu** UX·U·UW·ALPHA·UBP·UL·ULT US-350W·45W·450WB·5W·50W·6W·65SPW·350PW·450PW·5PW·6PW·652PW·50·3.5PB·5PB·5 US-LT60P·LT31PB·LT41PB·LT51PB·LT20B·LT30B-17·LT30B-11·LT40B-21·LT40B-15·LT50B·LT30BL·LT40BL·LT30B·LT40B·LT10B **Made by Nippon Newmatic Mfg.** ND-5LPX·6LFAX·6HPAX·6HSX NPD-50·50S·60·60S·60T·80·80S·80T NPW-450A-DXO·550A-DXO·450EA-DXO·450A-TDX·550A-TDX **Made by Fuji Kuki** FPW-330SD-1·440D-2·550D-2·660D-3·770D-2·400SD-1·440SD-1·550SD-1·660SD-1 FET-44D-2·55D-2·66D-2 FW-44SD-1·66SD-1·44SAD-1·66SAD-1·44PD-1·66PD-1·44PAD-1·66PAD-1·5SXD-7·5SXD-8·6SXD-6·5PXD-6·6PLD-1·6PXD-6·6PHD-1·6PMD-1·FD-4·5·4P·5P·4PH-1 FPT-440D-1·1L,550D-1·1L,660D-1·1L,440SD-1,550SD-1,660SD-1 **Made by Yutani** DH-6PL·6PLE·4.5PEB D-600SHEB·6SPBLE·6WSHPE·8WPE·5WPEB·6SSBEL·602B·6WSHSB DH-4.5SB·6SEL·6SELB **Made by Yokota** YX-180SA·280SA·380SA·500SA·180A·280A·380A·500A·80A·500CA YEX-150A·501A·150SA·300SA·500SA·100SA·120A YD-400SCA·500SCA·5PHCA·3A·4A·5A·6WAZK·65PZ·65PTZ·650PZ·40PZ·50PZ·4.5PZK·500PZ·600PZ·4.5SZ·4.5LAZ·600SZ Y-40SA·60SA·40A·55A·60A·40TA **Made by Atlas-Copco** LUM series·LUF series·TWIST series·ELI series·ETB series·COMBI series·EP series **The following models are applicable only for the single end bits** **Made by Hios** DL-10·20,CL-9000,VZ-4504·4506 **Made by Delvo** DLV-8150·1141·1161·1171·7251·8251·8152·7252·8252 **Made by Kanon** N6·N12·N20·N30·N50·N100STDK N6·N12·N20·N30·N50·N100LTDK N10·N20·N50DPSK N10·N20·N50DPSKⅡ 9K-150P **Made by Tonichi** U60CN～1000CN,ULR120N～ULR500CN,UR500CN,UPS30N～250N,UPSR30CN～250CN,MG60CN～250CN,MF6N～MF12N,LTD15CN～1000CN,RTD15CN～500CN,BMLD15CN～30CN,NTD15CN～1000CN,RNTD15CN～500CN,FTD50CN～400CN,FTD2CN-S·400CN2-S,STC50CN～STC400CN,RTDZ260CN,500CN
6.35mm ⬢ 	**B43**	⊕ 1× 75	X.H	10	100	
		⊕ 2× 50	X.H.E	10	100	
		75	X.H.G.E	10	100	
		100	X.H.G.E	10	100	
		150	X.H.G.	10	100	
		200	G	10	100	
		⊕ 3× 75	X.H.E	10	100	
		100	X.H.E	10	100	
6.35mm ⬢ **TAPPING BIT** (B43H)  These are the special tapping bits for M4 - M5 tapping crews. It is suitable for the works where a large torque is given to the tip.	**B43H**	⊕ 2× 75	H	10	100	
		100	H	10	100	
		150	H	10	100	
	B43B	⊕ 2× 50	S	10	100	
		75	S	10	100	
		100	S	10	100	
		150	S	10	100	
6.35mm ⬢ **TORSION BIT** Patented 	**BT43**	⊕ 2×3.5×75	H	10	100	
		100	H	10	100	
H6.35mm						
6.35mm ⬢ 	**B35**	⊕ 1× 50	X.H	10	100	
		75	X.H	10	100	
		⊕ 1×4.5×100	H	10	100	
		⊕ 2× 50	X.G	10	100	
		75	X.H.G.E	10	100	
		100	X.H.G.E	10	100	
		150	X.H.G.E	10	100	
		⊕ 2×4.5×100	H	10	100	
		⊕ 3× 75	X.H.E	10	100	
		100	X.H.E	10	100	
		150	G	10	100	
		⊖ 6× 75	E	10	100	
		A/F 2× 75	H	10	100	
		100	H	10	100	
		2.5× 75	H	10	100	
		100	H	10	100	
		3× 75	H	10	100	
		100	H	10	100	
		4× 75	H	10	100	
		100	H	10	100	
		5× 75	G	10	100	
		100	G	10	100	
		6× 75	G	10	100	
		100	G	10	100	
6.35mm ⬢ 	**B39**	⊕ 2× 40	H	10	100	
		100	H	10	100	
6.35mm ⬢ 	**B45**	A/F 5.5×75	O.D. ϕ10	10	250	
		100	10	10	250	
		6×100	10	10	200	
		7× 75	13	10	200	
		100	13	10	150	
		8× 75	13	10	200	
		100	13	10	150	
		150	13	10	100	
		10× 75	16	10	150	
		100	16	10	100	
		150	16	10	100	
		12×100	18	10	100	
		13× 75	19	10	100	
		100	19	10	100	
		14×100	20	10	100	

●For the order, specify the Model No., size, heat treatment class and quantity. Ex.) B43 ⊕2×50H pcs.

Ball Groove 

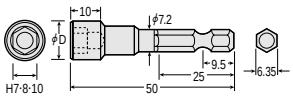
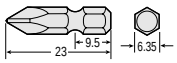
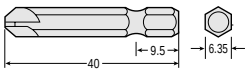
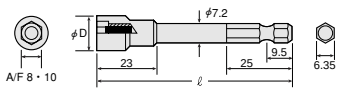
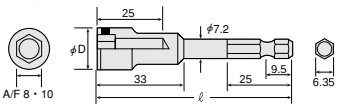
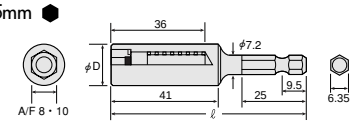
TYPE 6.35mm ⬢
B43,B43H,B43B,BT43

Ball Groove 

TYPE 6.35mm ⬢
B35,B39,B45

⚠ CAUTION…
Please be sure to read through "For the safety use of the tools" on page 134 of this catalog.

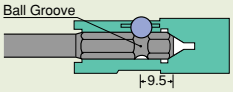
For Pneumatic and Electric Power Bits (Type B)

Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
H6.35mm						
6.35mm ● 	**B45-5**	A/F 7× 50	O.D.φ13	10	200	Available on all B35 types
		8× 50	13	10	200	
		10× 50	16	10	150	
6.35mm ● 	**B39**	⊕ 1× 23	H	10	100	**Made by VESSEL** GT-H4RC·H5RC·S6CD·PLRC **Made by Uryu** US-3.5ACB·4CA·5CA·LT30B-11C·17C,LT40B-08C·15C **Made by Yutani** D-6WHCL **Made by Yokota** YD-6AL·600CA
		⊕ 2× 23	H	10	100	
3-Flute Fastening Bit 6.35mm ● 	**B39**	TW1× 40	—	10	100	 **3-Flute Fastening Bit** For fastening screws used with aircraft, special vehicles, etc.
		TW2× 40	—	10	100	
		TW3× 40	—	10	100	
		TW4× 40	—	10	100	
		TW5× 40	—	10	100	
H6.35mm						
6.35mm ● 	**MB45** Magnet	A/F 8mm × 75	O.D.φ13	10	100	Available on all B35 types  The magnetic tip securely holds the bolt/nut, to improve workability and prevent screw loss in engine rooms, etc. **Magnetic Press-Fit Type**
		A/F 8mm ×100	13	10	100	
		A/F 10mm × 75	16	10	100	
		A/F 10mm ×100	16	10	100	
6.35mm ● 	**MB45S** Side Magnet	A/F 8mm ×100	13	10	100	 **Side Magnet Type**
		A/F 10mm ×100	16	10	100	
6.35mm ● 	**MB45D** Sliding Magnet	A/F 8mm ×100	13	10	100	 **Sliding Magnet Type**
		A/F 10mm ×100	16	10	100	

●For the order, specify the Model No., size, heat treatment class and quantity.
Ex.) B43 ⊕2×50H 100 pcs.

■Connection of a bit and a power tool

The size of a bit clamping part is determined in consideration of the installed condition of each power tool.

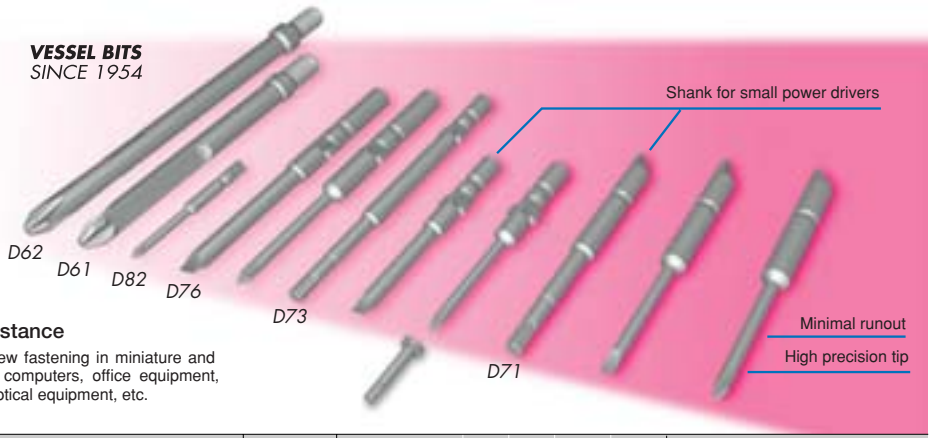


TYPE 6.35mm ●
B45-5,B39,MB45,MB45S,MB45D

Bits for small power screwdrivers



VESSEL BITS
SINCE 1954

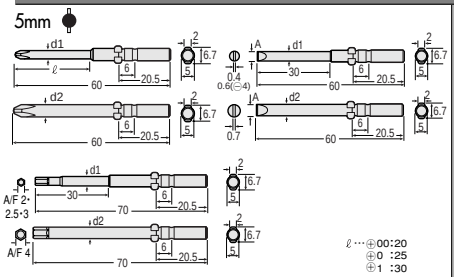
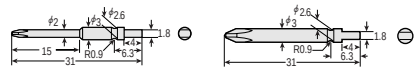


Excellent Wear Resistance

High precision bits for screw fastening in miniature and precision fields, including computers, office equipment, audio equipment, VTRs, optical equipment, etc.

Shape	Model No.	Size Tip×Overall Length (L)	Shank dia. (d1)	Shank dia. (d2)	Inner Ctn.	Outer Ctn.	Applicable models
ϕ4mm							**Made by Delvo** DLV-3321·3331·7020·7030·7031·7313·7319·7321·7323·7325·7329·7331·7333·7335·7339·7349·7410·7410H·7420·7810·7820·8020·8030·8031
4mm	D71	⊕ 00×1.5×44	1.5	—	10	200	
		⊕ 00×1.5×64	1.5	—	10	200	
		⊕ 0 × 2×44	2	—	10	200	
		⊕ 0 × 2×64	2	—	10	200	
		⊕ 0 × 2.5×44	2.5	—	10	200	
		⊕ 0 × 2.5×64	2.5	—	10	200	
		⊕ 1 × 3×44	3	—	10	200	
		⊕ 1 × 3×64	3	—	10	200	
		⊕ 1 × 4×44	—	4	10	200	
		⊕ 1 × 4×64	—	4	10	200	
		⊕ 2 × 4×44	—	4	10	200	
		⊕ 2 × 4×64	—	4	10	200	
		⊖ 2 ×0.3×44	2.0	—	10	200	
		⊖ 2.5×0.3×44	2.5	—	10	200	
		⊖ 3 ×0.4×44	3.0	—	10	200	
		⊖ 4 ×0.5×44	—	4.0	10	200	
		A/F 1.5×2×44	2.0	—	10	200	
		A/F 2 ×3×44	3.0	—	10	200	
		A/F 2.5×3×44	3.0	—	10	200	
		A/F 3 ×4×44	—	4.0	10	200	
4mm	D72	A/F 4×44	7	3	10	100	
		A/F 4.5×44	7	3	10	100	
		A/F 5×44	8	4	10	100	
		A/F 5.5×44	8	4	10	100	
ϕ4mm							**Made by Hios** BL-3000·5000 CL-2000·3000·3000PS·3000NL·4000·4000PS·4000NL CLS-4000、 CLF-3000·4000、 ACL-5·10·10PS·15 α-4500·4500PS·4500NL·5000·5000PS·5000NL αF-4500·5000、SS-2000·3000·4000、 M-1000·3000·3025 VZ-1510 CD-4000·5000 **Made by Hitachi Koki** WT2S2
4mm	D73	⊕ 00×1.5×40	1.5	—	10	100	
		⊕ 00×1.5×60	1.5	—	10	100	
		⊕ 00×2 ×40	2	—	10	100	
		⊕ 00×2 ×60	2	—	10	100	
		⊕ 0×1.7×40	1.7	—	10	100	
		⊕ 0×1.7×60	1.7	—	10	100	
		⊕ 0×2.5×40	2.5	—	10	100	
		⊕ 0×2.5×60	2.5	—	10	100	
		⊕ 1×3 ×40	3	—	10	100	
		⊕ 1×4 ×40	—	4.0	10	100	
		⊕ 2×4 ×40	—	4.0	10	100	
		⊖ 2×0.3×40	2.0	—	10	100	
		⊖ 2.5×0.3×40	2.5	—	10	100	
		⊖ 3×0.4×40	3.0	—	10	100	
		⊖ 4×0.5×40	—	4.0	10	100	
		A/F 1.5×2×60	2.0	—	10	100	
		A/F 2 ×3×60	3.0	—	10	100	
		A/F 2.5×3×60	3.0	—	10	100	
		A/F 3 ×4×60	—	4.0	10	100	

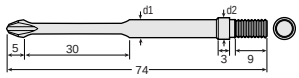
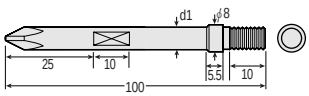
Bits for Screw Fastening Robots/Cordless Screwdriver

Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
φ5mm						**Made by Hios** BL-7000 CL-6000·6000P·6000PS·6000NL·6500·6500P·6500PS·6500NL·7000·7000P·7000PS·7000NL CLS-6500·7000、 CLF-6000·6500·7000、 ACL-20、 α-6500·6500PS·6500NL、 αF-6500、 SS-6500·7000、 M-5000·6000·6500·7000、 VZ-1812·1812PS·1820·1820PS·3007·3007PS·3012·3012PS CD-6000·7000 VZ-1812·1812PS·1820·1820PS·3007·3007PS·3012·3012PS
5mm 	**D76**	⊕ 00×2 ×60	1.5 —	10	100	
		⊕ 0×2.5×60	2.5 —	10	100	
		⊕ 1×3 ×60	3.0 —	10	100	
		⊕ 1×5 ×60	5.0 —	10	100	
		⊕ 2×5 ×60	— 5.0	10	100	
		⊖ 3×0.4×60	3.0 —	10	100	
		⊖ 4×0.6×60	4.0 —	10	100	
		⊖ 5×0.7×60	— 5.0	10	100	
		A/F 2 ×3×70	3.0 —	10	100	
		A/F 2.5×3×70	3.0 —	10	100	
		A/F 3 ×4×70	4.0 —	10	100	
		A/F 4 ×5×70	— 5.0	10	100	
2.6mm 	**D82**	⊕ 0×31	H	10	100	**Made by Matsushita Electric Works** NM-101 · 101L
		⊕ 1×31	H	10	100	



Bits for screw fastening robots (Semi-standardized items)

VESSEL receives orders for bits for screw fastening robot from many robot manufacturers.
In addition to the below bits, bits can be custom-made. Contact Vessel for more information.

Shape	Model No.	Size	Cordless Driver Bits	Shank dia. (d_1)	Shank dia. (d_2)	Applicable models
M5 M6						
	**D61**	⊕ 2× 74−M5 P0.8	2	5.0	6.0	
		⊕ 2× 74−M6 P1.0	2	6.0	7.0	
	**D62**	⊕ 2×100−M6 P1.0	2	6.0	—	

For Cordless Screwdriver

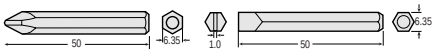
(For all types of drill chucking drivers)

These bits are specially made for all types of drill chucking power drivers.
The hexagon shank reduces slipping to a minimum.





6.35mm ⬢

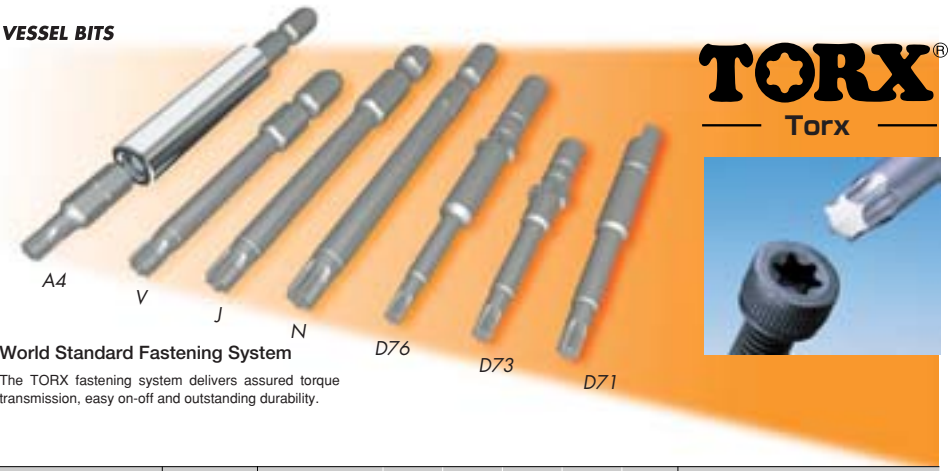
Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
	**D85**	⊕ 1×50		10	100	All types of drill chucking power drivers
		⊖ 6.3×50		10	100	

Model No.	of items	Set contents	Inner Ctn.	Outer Ctn.
D80 bit set	1 for each	D85 ⊕1 ⊕2 ⊖6.3×50	1	50
D85 bit set	3	D85 ⊕ 1×50	1	50





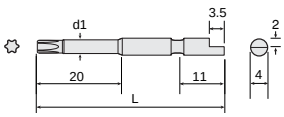
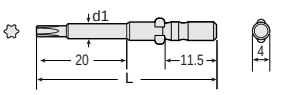
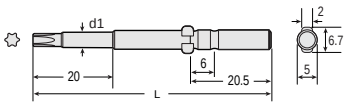
VESSEL BITS



TORX®
Torx

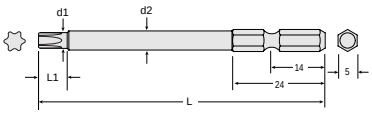
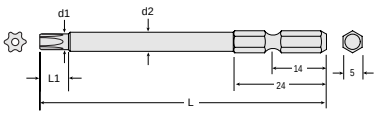
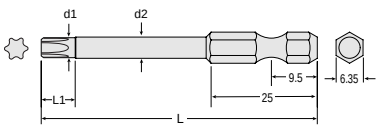
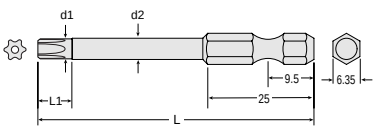
World Standard Fastening System

The TORX fastening system delivers assured torque transmission, easy on-off and outstanding durability.

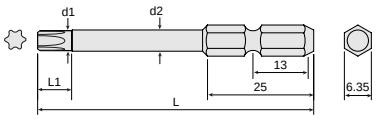
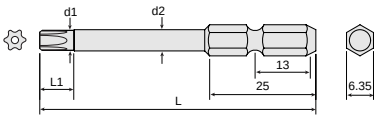
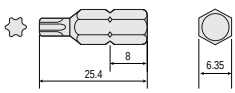
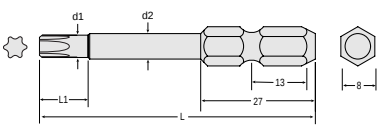
Shape	Model No.	Size Tip No.×Length (L)		Tip No.	mm	Shank dia. (d1)	Inner Ctn.	Outer Ctn.	Applicable models
φ4mm									**Made by Derubo** DLV-3133·3141·3151·3321·3331·6310·6320·6321·6330·6333·7020·7030·7031·7312·7313·7319·7320·7321·7323·7325·7329·7330·7331·7333·7335·7339·7349·7810·7820·8020·8030·8031·7410-CMN
4mm 	**D71**	T1 ×44		T1	0.84	1.5	10	200	
		T2 ×44		T2	0.94	1.5	10	200	
		T3 ×44		T3	1.12	1.7	10	200	
		T4 ×44		T4	1.3	1.8	10	200	
		T5 ×44		T5	1.37	2.0	10	200	
		T6 ×44		T6	1.65	2.5	10	200	
		T7 ×44	☆	T7	1.97	2.5	10	200	
		T8 ×44		T8	2.3	3.0	10	200	
		T9 ×44		T9	2.48	3.0	10	200	
		T10×44		T10	2.72	3.0	10	200	
φ4mm									**Made by Hios** CL-2000·3000·3000PS·3000NL·4000·4000PS·4000NL CLS-4000、 CLF-3000·4000、 ACL-5·10·10PS·15 α-4500·4500PS·4500NL·5000·5000PS·5000NL αF-4500·5000、SS-3000·4000、 M-1000·3000·3025 CD-4000·5000 **Made by Hitachi Koki** WT2S2
4mm 	**D73**	T1 ×40		T1	0.84	1.5	10	100	
		T2 ×40		T2	0.94	1.5	10	100	
		T3 ×40		T3	1.12	1.7	10	100	
		T4 ×40		T4	1.3	1.8	10	100	
		T5 ×40		T5	1.37	2.0	10	100	
		T6 ×40		T6	1.65	2.5	10	100	
		T7 ×40	☆	T7	1.97	2.5	10	100	
		T8 ×40		T8	2.3	3.0	10	100	
		T9 ×40	☆	T9	2.48	3.0	10	100	
		T10×40		T10	2.72	3.0	10	100	
φ5mm									**Made by Hios** CL-6000·6000P·6000PS·6000NL·6500·6500P·6500PS·6500NL·7000·7000P·7000PS·7000NL CLS-6500·7000、CLF-6000·6500·7000、 ACL-20、α-6500·6500PS·6500NL、 αF-6500、SS-6500、M-5000·6000·6500·7000、VZ-1812·1812PS·1820·1820PS·3007·3007PS·3012·3012PS·CD-6000 VZ-1812·1812PS·1820·1820PS·3007·3007PS·3012·3012PS
5mm 	**D76**	T5 ×60		T5	1.37	2.0	10	100	
		T6 ×60		T6	1.65	2.5	10	100	
		T7 ×60	☆	T7	1.97	2.5	10	100	
		T8 ×60		T8	2.3	3.0	10	100	
		T9 ×60		T9	2.48	3.0	10	100	
		T10×60		T10	2.72	3.0	10	100	
		T15×60		T15	3.26	4.0	10	100	
		T20×60		T20	3.84	—	10	100	
		T25×60		T25	4.4	—	10	100	

☆For the date of delivery, consult Vessel.

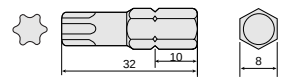
We at VESSEL CO., INC. manufacture various TORX® fastening tools with orignal technical data, and the production gages under the license by CAMCAR TEXTRON INC.

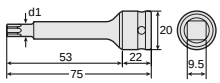
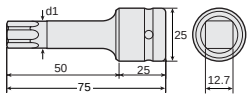
Shape	Model No.	Size Tip No.×Length (L)	Tip No.	mm	Shank dia. (d1)	Tip length (L1)	Shank dia. (d2)	Inner Ctn.	Applicable models
H5mm									
5mm ⬢ 	**N**	T5 × 75	T5	1.37	1.67	6.5	4.0	10	P.58 Available on all B34 types
		T5 ×100 ☆	T5	1.37	1.67	6.5	4.0	10	
		T6 × 75	T6	1.65	1.95	6.5	4.0	10	
		T6 ×100	T6	1.65	1.95	6.5	4.0	10	
		T8 × 75	T8	2.3	2.60	7.0	4.5	10	
		T8 ×100	T8	2.3	2.60	7.0	4.5	10	
		T10 × 75	T10	2.72	3.02	7.5	4.5	10	
		T10 ×100	T10	2.72	3.02	7.5	4.5	10	
		T15 × 75	T15	3.26	3.56	7.5	4.5	10	
		T15 ×100	T15	3.26	3.56	7.5	4.5	10	
		T20 × 75	T20	3.84	4.14	7.5	5.0	10	
		T20 ×100	T20	3.84	4.14	7.5	5.0	10	
		T25 × 75	T25	4.4	4.70	8.0	5.0	10	
		T25 ×100	T25	4.4	4.70	8.0	5.0	10	
		T27 × 75	T27	4.96	5.26	8.0	5.5	10	
		T27 ×100	T27	4.96	5.26	8.0	5.5	10	
5mm ⬢  Tamper-Proof TORX	**N**	T10H× 75	T10H	2.72	3.02	7.5	4.5	10	
		T10H×100	T10H	2.72	3.02	7.5	4.5	10	
		T15H× 75	T15H	3.26	3.56	7.5	4.5	10	
		T15H×100	T15H	3.26	3.56	7.5	4.5	10	
		T20H× 75	T20H	3.84	4.14	7.5	5.0	10	
		T20H×100	T20H	3.84	4.14	7.5	5.0	10	
		T25H× 75	T25H	4.4	4.70	8.0	5.0	10	
		T25H×100	T25H	4.4	4.70	8.0	5.0	10	
H6.35mm									
6.35mm ⬢ 	**J**	T6 × 75	T6	1.65	1.95	6.5	4.0	10	P.59 Available on all B35 types
		T6 ×100	T6	1.65	1.95	6.5	4.0	10	
		T8 × 75	T8	2.3	2.60	7.0	4.5	10	
		T8 ×100	T8	2.3	2.60	7.0	4.5	10	
		T10 × 75	T10	2.72	3.02	7.5	4.5	10	
		T10 ×100	T10	2.72	3.02	7.5	4.5	10	
		T15 × 75	T15	3.26	3.56	7.5	4.5	10	
		T15 ×100	T15	3.26	3.56	7.5	4.5	10	
		T20 × 75	T20	3.84	4.14	7.5	5.0	10	
		T20 ×100	T20	3.84	4.14	7.5	5.0	10	
		T25 × 75	T25	4.4	4.70	8.0	5.0	10	
		T25 ×100	T25	4.4	4.70	8.0	5.0	10	
		T27 × 75	T27	4.96	5.26	8.0	5.5	10	
		T27 ×100	T27	4.96	5.26	8.0	5.5	10	
		T30 × 75	T30	5.49	5.79	8.5	6.0	10	
		T30 ×100	T30	5.49	5.79	8.5	6.0	10	
		T40 × 75	T40	6.6	—	—	7.0	10	
		T40 ×100	T40	6.6	—	—	7.0	10	
		T45 × 75	T45	7.77	—	—	8.0	10	
		T45 ×100	T45	7.77	—	—	8.0	10	
6.35mm ⬢  Tamper-Proof TORX	**J**	T6H × 75	T6H	1.65	1.95	6.5	4.0	10	
		T6H ×100	T6H	1.65	1.95	6.5	4.0	10	
		T8H × 75	T8H	2.3	2.60	7.0	4.5	10	
		T8H ×100	T8H	2.3	2.60	7.0	4.5	10	
		T10H× 75	T10H	2.72	3.02	7.5	4.5	10	
		T10H×100	T10H	2.72	3.02	7.5	4.5	10	
		T15H× 75	T15H	3.26	3.56	7.5	4.5	10	
		T15H×100	T15H	3.26	3.56	7.5	4.5	10	
		T20H× 75	T20H	3.84	4.14	7.5	5.0	10	
		T20H×100	T20H	3.84	4.14	7.5	5.0	10	
		T25H× 75	T25H	4.4	4.70	8.0	5.0	10	
		T25H×100	T25H	4.4	4.70	8.0	5.0	10	
		T27H× 75	T27H	4.96	5.26	8.0	5.5	10	
		T27H×100	T27H	4.96	5.26	8.0	5.5	10	
		T30H× 75	T30H	5.49	5.79	8.5	6.0	10	
		T30H×100	T30H	5.49	5.79	8.5	6.0	10	
		T40H× 75	T40H	6.6	—	—	7.0	10	
		T40H×100	T40H	6.6	—	—	7.0	10	

☆For the date of delivery, consult Vessel.

Shape	Model No.	Size Tip No.×Length (L)	Tip No.	mm	Shank dia. (d1)	Tip length (L1)	Shank dia. (d2)	Inner Ctn.	Applicable models
H6.35mm									
6.35mm ⬢ 	**V**	T6 × 65☆	T6	1.65	1.95	6.5	4.0	10	P.55 Available on all A16 types
		T6 ×110☆	T6	1.65	1.95	6.5	4.0	10	
		T8 × 65☆	T8	2.3	2.60	7.0	4.5	10	
		T8 ×110☆	T8	2.3	2.60	7.0	4.5	10	
		T10 × 65	T10	2.72	3.02	7.5	4.5	10	
		T10 ×110	T10	2.72	3.02	7.5	4.5	10	
		T15 × 65	T15	3.26	3.56	7.5	4.5	10	
		T15 ×110	T15	3.26	3.56	7.5	4.5	10	
		T20 × 65	T20	3.84	4.14	7.5	5.0	10	
		T20 ×110	T20	3.84	4.14	7.5	5.0	10	
		T25 × 65	T25	4.4	4.70	8.0	5.0	10	
		T25 ×110	T25	4.4	4.70	8.0	5.0	10	
		T27 × 65	T27	4.96	5.26	8.0	5.5	10	
		T27 ×110	T27	4.96	5.26	8.0	5.5	10	
		T30 × 65	T30	5.49	5.79	8.5	6.0	10	
		T30 ×110	T30	5.49	5.79	8.5	6.0	10	
		T40 × 65	T40	6.6	H6.35	—	H6.35	10	
		T40 ×110	T40	6.6	H6.35	—	H6.35	10	
6.35mm ⬢  Tamper-Proof TORX	**V**	T8H × 65	T8H	2.3	2.60	7.0	4.5	10	
		T8H ×110	T8H	2.3	2.60	7.0	4.5	10	
		T10H× 65	T10H	2.72	3.02	7.5	4.5	10	
		T10H×110	T10H	2.72	3.02	7.5	4.5	10	
		T15H× 65	T15H	3.26	3.56	7.5	4.5	10	
		T15H×110	T15H	3.26	3.56	7.5	4.5	10	
		T20H× 65	T20H	3.84	4.14	7.5	5.0	10	
		T20H×110	T20H	3.84	4.14	7.5	5.0	10	
		T25H× 65	T25H	4.4	4.70	8.0	5.0	10	
		T25H×110	T25H	4.4	4.70	8.0	5.0	10	
		T27H× 65	T27H	4.96	5.26	8.0	5.5	10	
		T27H×110	T27H	4.96	5.26	8.0	5.5	10	
		T30H× 65	T30H	5.49	5.79	8.5	6.0	10	
		T30H×110	T30H	5.49	5.79	8.5	6.0	10	
		T40H× 65	T40H	6.6	H6.35	—	H6.35	10	
		T40H×110	T40H	6.6	H6.35	—	H6.35	10	
H6.35mm									
6.35mm ⬢ 	**A4**	T6	T6	1.65	—	—	—	10	P.69 Available on all B33 types
		T8	T8	2.3	—	—	—	10	
		T10	T10	2.72	—	—	—	10	
		T15	T15	3.26	—	—	—	10	
		T20	T20	3.84	—	—	—	10	
		T25	T25	4.4	—	—	—	10	
		T27	T27	4.96	—	—	—	10	
		T30	T30	5.49	—	—	—	10	
		T40	T40	6.6	—	—	—	10	
H8mm									
8mm ⬢ 	**V5**	T25 × 65	T25	4.4	4.70	10.0	6.0	10	P.57 Available on all A19 types
		T25 ×110	T25	4.4	4.70	10.0	6.0	10	
		T27 × 65	T27	4.96	5.26	11.5	6.5	10	
		T27 ×110	T27	4.96	5.26	11.5	6.5	10	
		T30 × 65	T30	5.49	5.79	11.5	6.5	10	
		T30 ×110	T30	5.49	5.79	11.5	6.5	10	
		T40 × 65	T40	6.6	6.90	11.5	7.5	10	
		T40 ×110	T40	6.6	6.90	11.5	7.5	10	
		T45 × 65	T45	7.77	8.0	—	8.0	10	
		T45 ×110	T45	7.77	8.0	—	8.0	10	
		T50 × 65	T50	8.79	H8	—	H8	10	
		T50 ×110	T50	8.79	H8	—	H8	10	

☆For the date of delivery, consult Vessel.

Shape	Model No.	Size Tip × Overall Length (L)	Cordless Driver Bits	mm	Shank dia. (d2)	Inner Ctn.	Applicable models
H8mm							
8mm ⬢ 	A5	T30	T30	5.49	—	10	
		T40	T40	6.6	—	10	
		T45	T45	7.77	—	10	
		T50	T50	8.79	—	10	

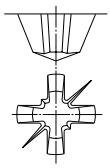
Shape	Model No.	Size	TORX. NO.	mm	Shank dia. (d1)	Overall length (L)	Applicable models
9.5mm ■  Impact	S6	T30×75☆	T30	5.49	5.79	75	
		T40×75☆	T40	6.6	6.9	75	
		T45×75☆	T45	7.77	8.0	75	
		T50×75☆	T50	8.79	10.0	75	
12.7mm ■  Impact	S8	T40×75☆	T40	6.6	6.9	75	
		T45×75☆	T45	7.77	8.0	75	
		T50×75☆	T50	8.79	9.09	75	

☆For the date of delivery, consult Vessel.

SUPADRIV® Bit

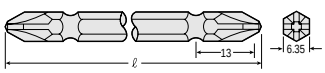
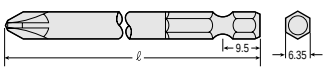
SUPADRIV®

The basic shape is a cross recess of four equally-thick blades. The drive faces that the screwdriver contacts inside the recess are almost perpendicular, which raises drive efficiency and minimizes slipping. Further enhances the torque transfer and anti-"CAM-OUT" properties of the Pozidriv to deliver a higher tightening effect.





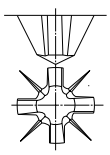
6.35mm ⬢

Shape	Model No.	Size	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
	A14	SDV1× 65	H	10	100	Available on all A14 types
		SDV2× 45	H	10	100	
		SDV2× 65	H	10	100	
		SDV2×110	H	10	100	
		SDV3× 65	H	10	100	
	B35	SDV1× 75	H	10	100	Available on all B35 types
		SDV2× 75	H	10	100	
		SDV2×100	H	10	100	
		SDV3× 75	H	10	100	

POZIDRIV® Bit

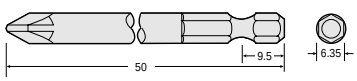
POZIDRIV®

With a cross recess of four equally-thick blades, the Pozidriv fastening system was developed to prevent annoying "CAM-OUT" and transmit strong torque from the tool to the screw.





6.35mm ⬢

Shape	Model No.	Size	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
	B35	PZ1× 50	H	10	100	Available on all B35 types
		PZ2× 50	H	10	100	
		PZ3× 50	H	10	100	

● SUPADRIV® and POZIDRIV® systems are patented and registered as the tradmark of EIS corp. in U.K.
We at VESSEL CO., INC. has a manufacturing license in Japan and selling same to the world.
●For the order, specify the Model No., size, heat treatment class and quantity. Ex.) A14 SDV1 × 65H 100pcs.

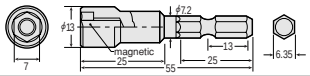
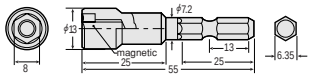
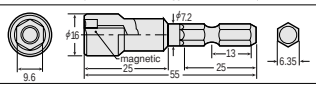
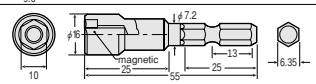
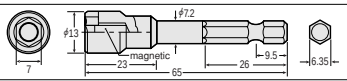
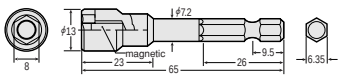
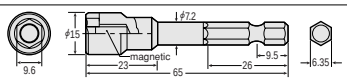
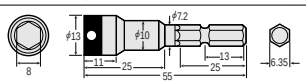
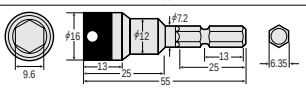


Nut Setter (For all types of drill screws)

6.35mm ⬢ Strongly holds hexagon head screws with the magnet and ball. Prevents screws from dropping in high places.



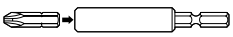
Hexagon Head Drill Screw
Hexagon head screw used for installing steel plate on steel plate, or wood, plywood or assembled members on steel plate as with siding, roofing and spandrel. Simultaneously drills, taps and fastens.

Shape	Model No.	Size Tip×Overall Length (ℓ)	Inner Ctn.	Outer Ctn.	Applicable models
	**SAM** Magnet	A/F 7× 15 (For screw diameter of 4 mm)	10	200	P.55 Available on all A16 types
		A/F 5/16× 55 (For screw diameter of 5 mm)	10	150	
		A/F 3/8× 55 (For screw diameter of 6 mm)	10	150	
		A/F 10× 55 (For screw diameter of 6 mm)	10	150	
	**SBM** Magnet	A/F 7× 65 (For screw diameter of 4 mm)	10	200	P.59 Available on all B35 types
		A/F 5/16× 65 (For screw diameter of 5 mm)	10	150	
		A/F 3/8× 65 (For screw diameter of 6 mm)	10	150	
	**SB** looked with ball	A/F 5/16× 55 (For screw diameter of 5 mm)	5	50	P.55 Available on all A16 types (Packed in blister case) 
		A/F 3/8× 55 (For screw diameter of 6 mm)	5	50	

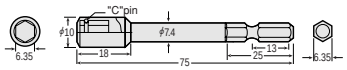
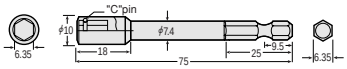
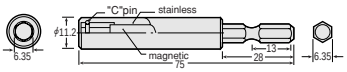
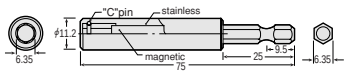
* Drill screws work best with pneumatic and power drivers of 2,600 rpm.



Bit Holder (Securely holds short bits.)



6.35mm ⬢ Securely holds short bits. Rational throwaway type that allows bit changing while the holder is still installed in the power tool.

Shape	Model No.	Size Tip×Overall Length (ℓ)	Inner Ctn.	Outer Ctn.	Applicable models
	**HA**	A/F 6.3× 75	10	100	P.55 Available on all A16 types
	**HB**	A/F 6.3× 75	10	100	P.59 Available on all B35 types
	**HAM**	A/F 6.3× 75 (Bit holder with magnet)	10	100	P.55 Available on all A16 types
	**HBM**	A/F 6.3× 75 (Bit holder with magnet)	10	100	P.59 Available on all B35 types

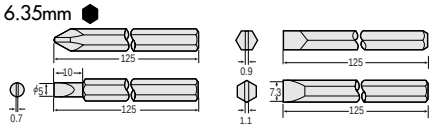
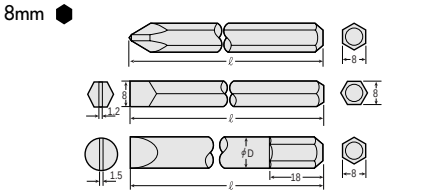
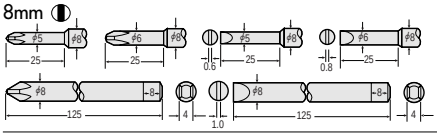
●For the order, indicate the Model No., size, heat treatment class and quantity. Ex.) SAM ··· A/F 5/16 × 55 ··· 100pcs.

Bits for impact driver/Automatic Spiral ratchet driver



Impact Driver Bit

Designed for impact drivers that convert hammering impact into rotational force.
Strong enough heavy-duty use.

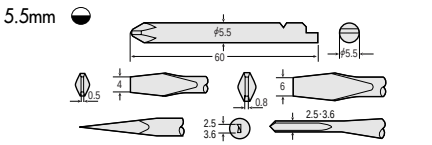
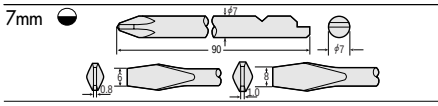
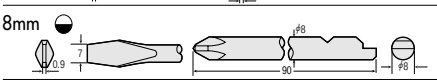
Shape	Model No.	Size TipXOverall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
6.35mm ⬢ 	C50	⊕ 1× 125	G	10		**Made by VESSEL** No.2300 No.2600A
		⊕ 2× 125	G	10		
		⊕ 3× 125	G	10		
		⊖ 5× 125	G	10		
		⊖ 6× 125	G	10		
		⊖ 7× 125	G	10		
8mm ⬢ 	C51	⊕ 2× 36	G	10	250	**Made by VESSEL** No.2400 No.2500
		80	G	10	250	
		⊕ 3× 36	E	10	250	
		80	E	10	250	
		⊕ 4× 36	E	10	250	
		⊖ 8× 36	E	10	250	
		80	E	10	250	
		⊖ 10× 36	E	10	250	
		80	E	10	200	
		⊖ 12× 36	E	10	200	
8mm ◧ 	C55	⊕ 1× 125	G	10	100	**Made by VESSEL** No.2600
		⊕ 2× 125	G	10	100	
		⊕ 3× 125	E	10	100	
		⊖ 5× 125	E	10	100	
		⊖ 6× 125	E	10	100	
		⊖ 8× 125	E	10	100	

Model No.	of items	Set contents	Inner Ctn.	Outer Ctn.	Applicable models
2500 bit set	1 for each	C51 ⊕2 ⊕3 ⊕4 ⊖10× 36	1	50	Available on all C51 types
2600 bit set	1 for each	C55 ⊕1 ⊕2 ⊕3 ⊖5 ⊖6⊖8× 125	1	10	Available on C55 type
2300・2600A bit set	1 for each	C50 ⊕1 ⊕2 ⊕3 ⊖5 ⊖6⊖7× 125	1		Available on C50 type



Automatic Spiral Ratchet Driver Bit

Designed for use with automatic drivers that enable speedy on-off by simply cocking the grip.
Wide variation available including square drills, woodcraft drills, etc.

Shape	Model No.	Size TipXOverall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
5.5mm ◒ 	C61	⊕ 1× 60	H	10	100	**Made by VESSEL** No.1500- 240・300mm No.151230・No.153230
		⊕ 2× 60	H	10	100	
		⊖ 4× 60	E	10	100	
		⊖ 6× 60	E	10	100	
		Awl × 60	G	10	100	
		2.5mm× 60	wood drill	10	100	
		3.6mm× 60	wood drill	10	100	
7mm ◒ 	C62	⊕ 1× 90	H	10	300	**Made by VESSEL** No.1500- 440mm
		⊕ 2× 90	H	10	300	
		⊕ 3× 90	G	10	300	
		⊖ 6× 90	E	10	250	
8mm ◒ 	C63	⊕ 2× 90	H	10	250	**Made by VESSEL** No.1500-620mm
		⊕ 3× 90	G	10	250	
		⊖ 7× 90	E	10	200	

Automatic Driver Bit Set

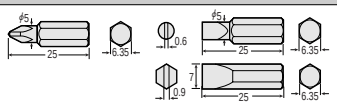
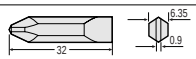
Model No.	of items	Set contents	Inner Ctn.	Outer Ctn.	Applicable models
C61-4 bit set	1 for each	C61 ⊕1 ⊕2 ⊖6 Awl × 60	1	100	Available on all C61 types
C62-3 bit set	1 for each	C62 ⊕1 ⊕2 ⊖ 6× 90	1	50	Available on all C62 types
C63-3 bit set	1 for each	C63 ⊕2 ⊕3 ⊖ 7× 90	1	50	Available on all C63 types

Short Bit (For hand drivers)

Designed for use with drivers that take 6.35 mm tips. Short total length. Easy to store.

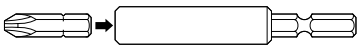


6.35mm ⬢

Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
	C91	⊕ 1×25		10	100	**Made by VESSEL** 870-MG4 · 6800-MG4 **Made by SHINKI** No.1800 · 1600 · 1920 · 1930 6.35mm ⬢ Available on all drivers with holder
		⊕ 2×25		10	100	
		⊖ 5×25		10	100	
		⊖ 7×25		10	100	
	C93	⊖6×⊕2×32		10	100	**Made by VESSEL** NO.860 **Made by SHINKI** No.192 · 193 · 193FB · FB-19 · 777 · 6200

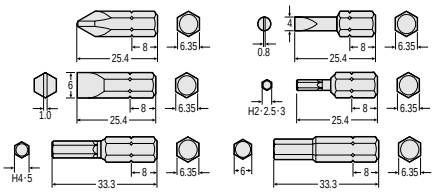
Short Bit (For bit holder)

Fits into bit holder to use. Made of special alloy steel. Offers the precision and durability needed to stand up to the heavy-duty work of power tools.





6.35mm ⬢

Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
	B33	⊕ 1×25.4	H	10	100	**Made by VESSEL** Bit holder (P.67) HA · HB · HAM · HBM 6.35mm ⬢ Available on all drivers with holder
		⊕ 2×25.4	H	10	100	
		⊕ 3×25.4	G	10	100	
		⊖ 4×25.4	G	10	100	
		⊖ 6×25.4	G	10	100	
		A/F 2×25.4	H	10	100	
		2.5×25.4	H	10	100	
		3×25.4	H	10	100	
		4×33.3	H	10	100	
		5×33.3	H	10	100	
		6×33.3	H	10	100	

Model No.	of items	Set contents	Inner Ctn.	Outer Ctn.
B33 Driver Bit Set	1 for each	B33 ⊕ 1 ⊕ 2 ⊕ 3 ⊖ 4 ⊖ 6× 25.4 with holder	1	10
B33 Hex. Bit Set	1 for each	B33 A/F2 · 2.5 · 3×25.4 A/F4 · 5 · 6×33.3 with holder	1	10

New COBRA Series ★★★★ *Immediate Enquiry to Us!*



COBRA FLASH LIGHT



AUTO SCREW CATCH



WRIST BAND



WAIST AROUND



AMMUNITIONS!

⚠ CAUTION···Please be sure to read through "For the safety use of the tools" on page 134 of this catalog.

⚠ CAUTION ··· Do not use hand driver bits with power tools.

Problem Solvers

New shape for solving problems encountered in work

TORSION BIT Patented

Central torsion shank absorbs impact. Prevents broken bits and damaged tips.

- Greatly enhanced durability
- Increased precision of fastening torque
- Reduced stripping of screw head

Suitable Joining Grade: A B C D



Features	TORSION BIT
Tip wear resistance	★★★★
Tip breakage	★★★★★
Fastening force stability	★★★★★
Torque transmission	★★★
Screw hole stripping	★★★★

Features line of standard bits

ALFA BIT

Absorbs impact in 2 stages by ball flute torsion and shank cushioning.

- For heavy-duty use
- For use with high torque rechargeable, power and pneumatic drivers
- For completing rigid couplings with drill screws or tapping screws

Suitable Joining Grade: A B C D



Features	ALFA BIT
Tip wear resistance	★★★★
Tip breakage	★★★★★
Fastening force stability	★★★★★
Torque transmission	★★★★
Screw hole stripping	★★★★

GIZA BIT Patented

Ridged tip bits the screw to prevent "CAM-OUT".

- Ideal for working in unstable positions such as drop ceiling installation, sheetrock anchoring, etc.

Suitable Joining Grade: A B D



Features	GIZA BIT
Tip wear resistance	★★★
Tip breakage	★★★
Fastening force stability	★★★★
Torque transmission	★★★★
Screw hole stripping	★★★★★

SLENDER BIT

Tip is worked to a fine point. Screw heads are easier to see, so bits can be correctly inserted into holes.

- For use with slender or slim screws with small heads
- Torsion effect absorbs impact.

Suitable Joining Grade: B D



Features	SLENDER BIT
Tip wear resistance	★★★★
Tip breakage	★★★★
Fastening force stability	★★★★
Torque transmission	★★★★
Screw hole stripping	★★★★

TAPPING BIT

Thick blades for fastening screws that require high torque

- Ideal for heavy-duty jobs using sash screws, tapping screws, drill screws, etc.

Suitable Joining Grade: C



Features	TAPPING BIT
Tip wear resistance	★★★★
Tip breakage	★★★★★
Fastening force stability	★★★★
Torque transmission	★★★★
Screw hole stripping	★★★

EXTRA HARD BIT

High hardness. Excellent wear resistance.

- Idea for hard screws including coarse threads, board screws and stainless steel screws

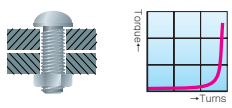
Suitable Joining Grade: A B D



Features	EXTRA HARD BIT
Tip wear resistance	★★★★★
Tip breakage	★★★
Fastening force stability	★★★★
Torque transmission	★★★★★
Screw hole stripping	★★★★

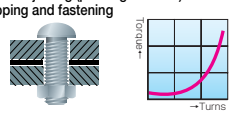
Joining Grade

A — Rigid joining, screw fastening



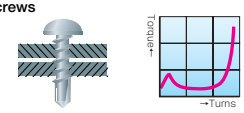
- Resistance is low at first but increases rapidly the instant the screw head sits.
- Requires comparatively little time to fasten.

B — Flexible joining (packing inserted) and resin tapping and fastening



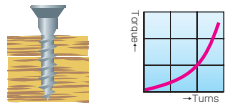
- Resistance increases with every turn of the screw. Resistance increases even after seating.
- Requires comparatively little time to fasten.

C — Fastening of drill screws and tapping screws

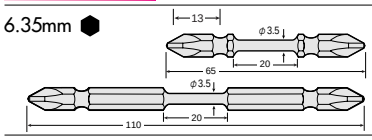
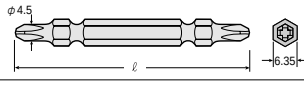
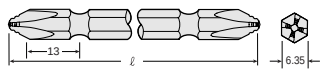
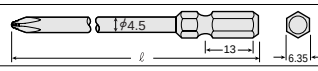
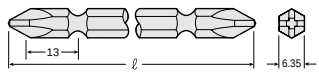
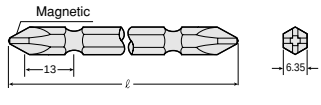
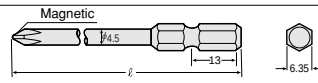
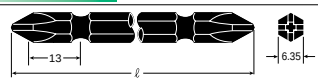
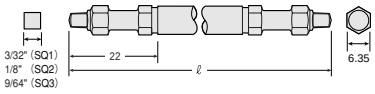
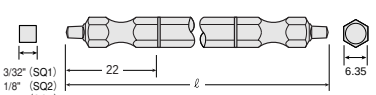
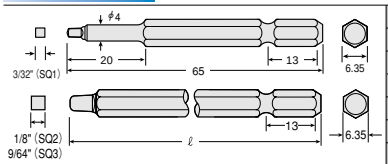


- Resistance is felt as the screw penetrates. Resistance lessens momentarily only to increase after seating.
- Requires a comparatively long time to fasten.

D — Wood screw fastening



- At first, resistance is low, but then it increases as the screw penetrates.
- Requires a comparatively long time to fasten.

Shape	Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
TORSION BIT (Magnetic) Patented — Mounting quantity: 2 Inner Ctn.: 10 sets					
6.35mm 	**AT142065**	⊕2X3.5X 65	347039	H	160×35
	AT142110	⊕2X3.5X110	347046	H	160×35
SLENDER BIT (Magnetic) — Mounting quantity: 2 Inner Ctn.: 10 sets					
	**AS141065**	⊕ 1× 65	354303	H	160×35
	AS142045	⊕ 2× 45	354297	H	160×35
	AS142065	⊕ 2× 65	353900	H	160×35
	AS142110	⊕ 2×110	353917	H	160×35
GIZA BIT (Magnetic) Patented — Mounting quantity: 2 Inner Ctn.: 10 sets					
	**AZ142065**	⊕ 2× 65	353122	H	160×35
	AZ142110	⊕ 2×110	353139	H	160×35
	AZ142150	⊕ 2×150	353146	H	210×35
	AZ142200	⊕ 2×200	353153	H	260×35
	**AZ162065**	⊕2X4.5X 65	353160	H	160×35
	AZ162100	⊕2X4.5X100	353177	H	160×35
	AZ162150	⊕2X4.5X150	353184	H	210×35
ALFA BIT (Magnetic) — Mounting quantity: 2 Inner Ctn.: 10 sets					
	**AL142065**	⊕ 2× 65	355485	H	160×35
	AL142110	⊕ 2×110	355492	H	160×35
EXTRA HARD BIT (Magnetic) — Mounting quantity: 2 Inner Ctn.: 10 sets					
	**AX142045**	⊕ 2× 45	354808	X	160×35
	AX142065	⊕ 2× 65	354815	X	160×35
	AX142110	⊕ 2×110	354822	X	160×35
	**AX162065**	⊕ 2× 65	354839	X	160×35
	AX162100	⊕ 2×100	354846	X	160×35
TAPPING BIT — Mounting quantity: 2 Inner Ctn.: 10 sets					
	**A14H2065**	⊕ 2× 65	354310		160×35
	A14H2110	⊕ 2×110	354327		160×35
SQUARED DOUBIE END BIT PAT.P. — Mounting quantity: 2 Inner Ctn.: 10 sets					
	**A14SQ1065**	SQ No.1× 65	355508	H	160×35
	A14SQ2065	SQ No.2× 65	355379	H	160×35
	A14SQ2110	SQ No.2×110	355393	H	160×35
	A14SQ2150	SQ No.2×150	355515	H	210×35
	A14SQ3065	SQ No.3× 65	355386	H	160×35
	A14SQ3110	SQ No.3×110	355409	H	160×35
	A14SQ3150	SQ No.3×150	355522	H	210×35
SQUARED DOUBIE END BIT PAT.P. NEW — Mounting quantity: 2 Inner Ctn.: 10 sets					
	**A14RSQ1065**	SQ No.1× 65	355584	H	160×35
	A14RSQ2065	SQ No.2× 65	355591	H	160×35
	A14RSQ2110	SQ No.2×110	355607	H	160×35
	A14RSQ2150	SQ No.2×150	355614	H	210×35
	A14RSQ3065	SQ No.3× 65	355621	H	160×35
	A14RSQ3110	SQ No.3×110	355638	H	160×35
	A14RSQ3150	SQ No.3×150	355645	H	210×35
SQUARED BIT (Magnetic) — Mounting quantity: 2 Inner Ctn.: 10 sets					
	**M16SQ1065**	SQ No.1× 65	355348		160×35
	M16SQ2065	SQ No.2× 65	355355		160×35
	M16SQ3065	SQ No.3× 65	355362		160×35
	M16SQ2110	SQ No.2×110	355164		160×35
	M16SQ3110	SQ No.3×110	355089		160×35
	M16SQ2150	SQ No.2×150	354617		210×35
	M16SQ3150	SQ No.3×150	354624		210×35

Problem Solver Bits



Gold Bits

GOLD BITS

Beautiful appearance. High quality gold finish.
- Tough against rust!
- Fits a wide range of screws.

Gold



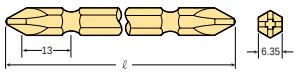
Suitable Joining Grade: A B C D

For joining grade, see pg. 70.

Features	GOLD BITS
Tip wear resistance	★★★
Tip breakage	★★★★
Fastening force stability	★★★
Torque transmission	★★★★
Screw hole stripping	★★★

■Double End Gold Color Bits

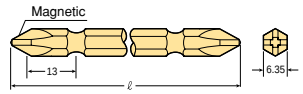
Mounting quantity:2 Inner Ctn.:10 sets



Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
GA141065	⊕ 1× 65	346001	H	135×35
GA141110	⊕ 1×110	346018	H	160×35
GA142045	⊕ 2× 45	346025	H	135×35
GA142065	⊕ 2× 65	346032	H	135×35
GA142110	⊕ 2×110	346049	H	160×35
GA143065	⊕ 3× 65	346070	H	135×35
GA142150	⊕ 2×150	346056	H	210×35
GA142200	⊕ 2×200	346063	H	260×35

■Double End Gold Color Bits (Magnetic)

Mounting quantity:2 (For GM142300 and GM142500, one for each) Inner Ctn.:10 sets

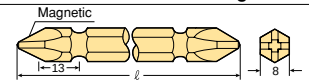


GM142300 and GM142500 are silver finish/
The items with ＊are for the S hanger.

Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
GM141065	⊕ 1× 65	346100	H	135×35
GM141110	⊕ 1×110	346117	H	160×35
GM142045	⊕ 2× 45	346124	H	135×35
GM142065	⊕ 2× 65	346131	H	135×35
GM142110	⊕ 2×110	346148	H	160×35
GM143065	⊕ 3× 65	346162	H	135×35
GM142150	⊕ 2×150	346155	H	210×35
GM142200	⊕ 2×200	346179	H	260×35
GM142300	⊕ 2×300	346186	H	340×35*
GM142500	⊕ 2×500	346193	H	540×35*
GM143110	⊕ 3×110	355232	H	160×35

■Double End Gold Color Bits (Magnetic) 8 mm-shank

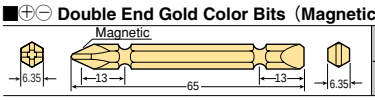
Mounting quantity:2 Inner Ctn.:10 sets



Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
GM152065	⊕ 2× 65	348104	G	170×42
GM152110	⊕ 2×110	348111	G	170×42
GM153065	⊕ 3× 65	348128	E	170×42
GM153110	⊕ 3×110	348135	E	170×42

■⊕⊖ Double End Gold Color Bits (Magnetic)

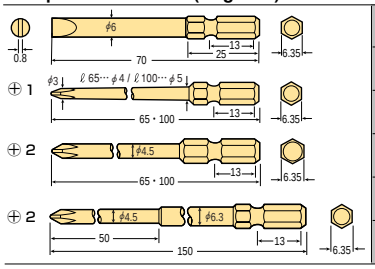
Mounting quantity:2 Inner Ctn.:10 sets



Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
GM141565	⊕1・⊖5×65	346209	H	135×35
GM142665	⊕2・⊖6×65	346216	H	135×35

■Step Gold Color Bits (Magnetic)

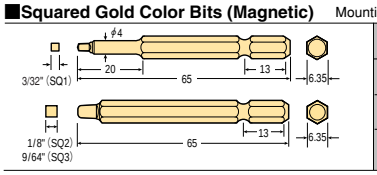
Mounting quantity:2 Inner Ctn.:10 sets



Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
GM166070	⊖ 6× 70	346308	H	160×35
GM161065	⊕ 1× 65	346315	H	135×35
GM161100	⊕ 1×100	346353	H	160×35
GM162065	⊕ 2× 65	346322	H	135×35
GM162100	⊕ 2×100	346339	H	160×35
GM162150	⊕ 2×150	346346	H	210×35

■Squared Gold Color Bits (Magnetic)

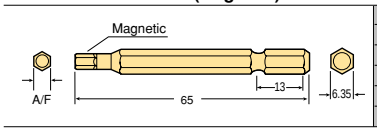
Mounting quantity:1 (For GM16SQ23, 2 for each) Inner Ctn.:10 sets



Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
GM16SQ01	SQ No.1×65	353894		135×35
GM16SQ02	SQ No.2×65	346360		135×35
GM16SQ03	SQ No.3×65	346377		135×35
GM16SQ23	SQ No.2×65 SQ No.3×65	346384		135×35

■Hex. Gold Color Bits (Magnetic)

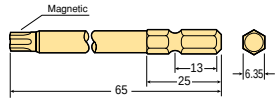
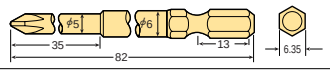
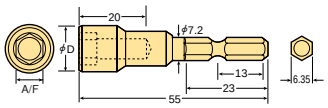
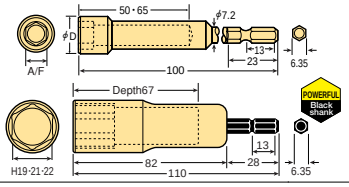
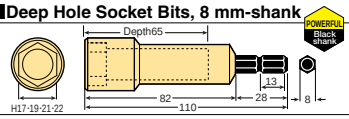
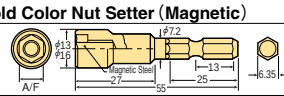
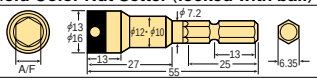
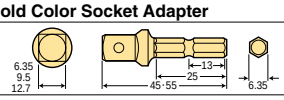
Mounting quantity:1 Inner Ctn.:10 sets



Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
GM16H020	A/F 2×65	346391		135×35
GM16H025	A/F 2.5×65	346407		135×35
GM16H030	A/F 3×65	346414		135×35
GM16H040	A/F 4×65	346421		135×35
GM16H050	A/F 5×65	346438		135×35
GM16H060	A/F 6×65	346445		135×35



●JAN barcodes are 13-digit numbers composed of the following. 49 (Country code) 07587 (Manufacturer code) □□□□□ (Product code) □ (Check digit) Numbers given in the tables contain only the product code and check digit.

Shape	Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
■Torx Gold Color Bits (Magnetic)		Mounting quantity:1 Inner Ctn.:10 sets			
	**GMVT08H**	VT8H×65	346889		135×35
	GMVT10H	VT10H×65	346896		135×35
	GMVT15H	VT15H×65	346926		135×35
	GMVT20H	VT20H×65	346933		135×35
	GMVT25H	VT25H×65	346988		135×35
	GMVT27H	VT27H×65	346995		135×35
	GMVT30H	VT30H×65	346940		135×35
	GMVT40H	VT40H×65	346957		135×35
■Step Gold Color Bits		Mounting quantity:2 Inner Ctn.:10 sets			
	**GD812082**	⊕ 2× 82	346254	H	160×35
■Gold Color Socket Bits		Mounting quantity:1 Inner Ctn.:5 sets			
	**GA205555**	A/F 5.5× 55	346506		135×35
	GA200755	A/F 7 × 55	346513		135×35
	GA200855	A/F 8 × 55	346520		135×35
	GA209655	A/F 9.6× 55	346537		135×35
	GA201055	A/F10 × 55	346544		135×35
	GA201255	A/F12 × 55	346551		135×35
	GA201355	A/F13 × 55	346568		135×35
	GA201455	A/F14 × 55	346575		135×35
■Deep Hole Socket Bits		Mounting quantity:1 Inner Ctn.:5 sets			
	**GA203101**	A/F:10×Depth: 50×100	346605		160×55
	GA203121	A/F:12×Depth: 65×100	346612		160×55
	GA203131	A/F:13×Depth: 65×100	346629		160×55
	GA203141	A/F:14×Depth: 65×100	346636		160×55
	GA203191	A/F:19×Depth: 65×110	346650		185×55
	GA203211	A/F:21×Depth: 65×110	346667		185×55
	GA203221	A/F:22×Depth: 65×110	346674		185×55
■Deep Hole Socket Bits, 8 mm-shank		Mounting quantity:1 Inner Ctn.:5 sets			
	**GA233171**	A/F:17×Depth: 65×110	348548		170×55
	GA233191	A/F:19×Depth: 65×110	348555		170×55
	GA233211	A/F:21×Depth: 65×110	348562		170×55
	GA233221	A/F:22×Depth: 65×110	348579		170×55
■Gold Color Nut Setter (Magnetic)		Mounting quantity:1 Inner Ctn.:5 sets			
	**GSAM8055**	A/F 5/16×55 (for 5mm)	346902		135×35
	GSAM9655	A/F 3/8 ×55 (for 6mm)	346919		135×35
■Gold Color Nut Setter (locked with ball)		Mounting quantity:1 Inner Ctn.:5 sets			
	**GSB8055**	A/F 5/16×55 (for 5mm)	346964		135×35
	GSB9655	A/F 3/8 ×55 (for 6mm)	346971		135×35
■ Gold Color Socket Adapter		Mounting quantity:1 Inner Ctn.:5 sets			
	**GA20BSQ2**	Insertion angle6.35(1/4)×45	346803		135×35
	GA20BSQ3	Insertion angle9.5 (3/8)×45	346810		135×35
	GA20BSQ4	Insertion angle12.7 (1/2)×55	346827		135×35

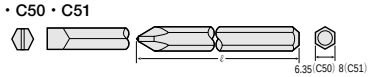
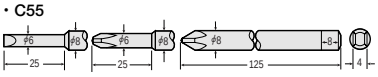
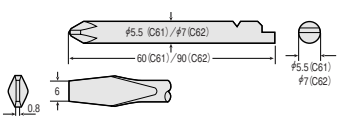
TORX®

We at VESSEL CO., INC. manufacture various TORX festening tools with original technical data, and the production gages under the licence by AMERICAN CAMCAR TEXTRON INC.





(For Hand Tools)

Shape	Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
■Impact Driver Bits		Mounting quantity:1 Inner Ctn.:10 sets			
・C50・C51 	**C502125**	⊕ 2×125	345653	G	170×42
	C503125	⊕ 3×125	345660	G	170×42
	C506125	⊖ 6×125	345677	G	170×42
	C512036	⊕ 2× 36	345172	G	170×42
	C513036	⊕ 3× 36	345189	E	170×42
	C518036	⊖ 8× 36	345196	E	170×42
・C55 	**C552125**	⊕ 2×125	345202	G	170×42
	C553125	⊕ 3×125	345219	E	170×42
	C556125	⊖ 6×125	345226	E	170×42
■Automatic Driver Bits		Mounting quantity:1 Inner Ctn.:10 sets			
	**C611060**	⊕ 1× 60	345240	H	170×42
	C612060	⊕ 2× 60	345257	H	170×42
	C616060	⊖ 6× 60	345271	E	170×42
	C621090	⊕ 1× 90	345288	H	170×42
	C623090	⊕ 3× 90	345301	G	170×42
	C626090	⊖ 6× 90	345318	E	170×42



⚠ CAUTION…Please be sure to read through "For the safety use of the tools" on page 134 of this catalog.

⚠ CAUTION … Do not use hand driver bits with power tools.

Standard Bits

STANDARD BITS (For power tools)

Carefully selected materials with shot-blast finish.
- Excellent precision and durability.
- Fits a wide range of screws.

Standard



Suitable Joining Grade: A B C D

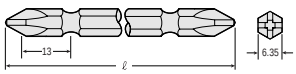
For joining grade, see pg. 70.

Features STANDARD BITS

Tip wear resistance	★★★
Tip breakage	★★★★
Fastening force stability	★★★
Torque transmission	★★★★
Screw hole stripping	★★★

■Double End Bits

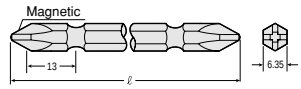
Mounting quantity:2 Inner Ctn.:10 sets



Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
A141065	⊕ 1× 65	345004	H	170×42
A141110	⊕ 1×110	345011	H	170×42
A142045	⊕ 2× 45	345028	H	170×42
A142065	⊕ 2× 65	345035	H	170×42
A142110	⊕ 2×110	345042	H	170×42
A143065	⊕ 3× 65	345059	H	170×42

■Double End Bits (Magnetic)

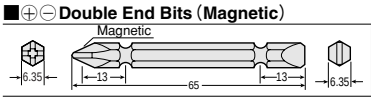
Mounting quantity:2 Inner Ctn.:10 sets



Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
M141065	⊕ 1× 65	345554	H	170×42
M142045	⊕ 2× 45	345462	H	170×42
M142065	⊕ 2× 65	345479	H	170×42
M142110	⊕ 2×110	345486	H	170×42
M142150	⊕ 2×150	345493	H	195×42
M143065	⊕ 3× 65	345578	H	170×42

■⊕⊖Double End Bits (Magnetic)

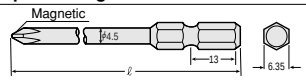
Mounting quantity:2 Inner Ctn.:10 sets



Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
M141565	⊕1・⊖5×65	345639	H	170×42

■Step Bits (Magnetic)

Mounting quantity:2 (For A166045, 1 for each) Inner Ctn.:10 sets

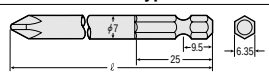


A166045 is not magnetized

Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
A166045	⊖ 6× 45	345066	H	170×42
M160026	⊕ 2×4.5×65 ⊖ 6× 45	345585	H	170×42
M162065	⊕ 2× 65	345387	H	170×42

■Single End Bits (B35 type)

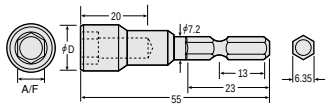
Mounting quantity:2 Inner Ctn.:10 sets



Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
B351050	⊕ 1× 50	345141	H	170×42

■Socket Bits

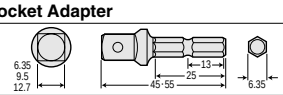
Mounting quantity:1 Inner Ctn.:5 sets



Model No.	Contents	JAN code	Card Size (H×W) mm
A205555	A/F: 5.5× 55	345080	170×42
A200755	A/F: 7 × 55	345097	170×42
A200855	A/F: 8 × 55	345103	170×42
A209655	A/F: 9.6× 55	345110	170×42
A201055	A/F:10 × 55	345127	170×42
A201255	A/F:12 × 55	345134	170×42

■Socket Adapter

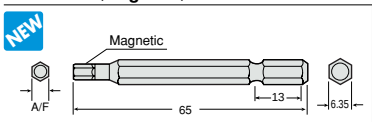
Mounting quantity:1 Inner Ctn.:5 sets



Model No.	Contents	JAN code	Card Size (H×W) mm
BSQ-2	Insertion Angle: 6.35, (1/4")×45	345608	170×42
BSQ-4	Insertion Angle: 12.7, (1/2")×55	345622	170×42

■Hex. Bits (Magnetic)

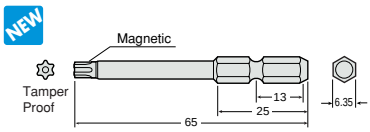
Mounting quantity:1 Inner Ctn.:10 sets



Model No.	Contents	JAN code	Card Size (H×W) mm
SM16H020	A/F: 2 × 65	356352	135×35
SM16H025	A/F: 2.5× 65	356369	135×35
SM16H030	A/F: 3 × 65	356376	135×35
SM16H040	A/F: 4 × 65	356383	135×35
SM16H050	A/F: 5 × 65	356390	135×35
SM16H060	A/F: 6 × 65	356406	135×35

■Torx Bits (Magnetic) Magnetic For screws with lock

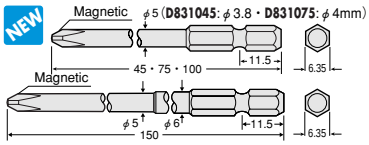
Mounting quantity:1 Inner Ctn.:10 sets



Model No.	Contents	JAN code	Card Size (H×W) mm
SMVT08H	VT 8H× 65	356413	135×35
SMVT10H	VT10H× 65	356420	135×35
SMVT15H	VT15H× 65	356437	135×35
SMVT20H	VT20H× 65	356444	135×35
SMVT25H	VT25H× 65	356451	135×35
SMVT27H	VT27H× 65	356468	135×35
SMVT30H	VT30H× 65	356475	135×35
SMVT40H	VT40H× 65	356482	135×35

■Step bits (Magnetic)

Mounting quantity:2 Inner Ctn.:10 sets



Model No.	Contents	JAN code	Card Size (H×W) mm
D831045	⊕ 1×3.8× 45	356680	160×35
D831075	⊕ 1×4 × 75	356697	160×35
D832075	⊕ 2×5 × 75	356703	160×35
D832100	⊕ 2×5 ×100	356710	160×35
D832150	⊕ 2×5×6×150	356727	210×35

Applicable models
Made by Matsushita
EZ6220・6225・503・502・6420
Made by Ryobi
D-500



●JAN barcodes are 13-digit numbers composed of the following. 49 (Country code) 07587 (Manufacturer code) □□□□□ (Product code) □ (Check digit) Numbers given in the tables contain only the product code and check digit.

Bit Belt (For power tools)

Set of bits for power or rechargeable drivers stored in a convenient holder. The holder can be hung from a belt, making it easy to retrieve needed bits whenever, wherever. Quick bit changing while working. Convenient compact size when not being used.

BITSBELT




No.BW-51


No.BW-52


No.BW-53


No.BW-54


No.BW-55


No.BW-56

MG Magnetic

Outer Ctn.:10, with one holder case

Model No.	Contents	JAN code	Card Size
BW-51	Double End Gold Color Bit ⊕2X 45 5 pcs.	350510	95X70
BW-52	Double End Gold Color Bit ⊕2X 65 5 pcs.	350527	95X70
BW-53	Double End Gold Color Bit ⊕2X110 5 pcs.	350534	140X70
BW-54	Double End Gold Color Bit ⊕2X 45 1 pc. ⊕2X 65 2 pcs. ⊕2X110 2 pcs.	350541	140X70
BW-55	Double End Gold Color Bit ⊕2X 65 1 pcs. ⊕2X110 1 pc. ⊕⊖ Double End Gold Color Bit ⊕2/⊖6X65 1 pcs. Step Gold Color Bit ⊕1X100 1 pc. ⊕2X100 1 pc.	350558	140X70
BW-56	Step Gold Color Bit ⊕2X 65 2 pcs. ⊕2X100 2 pcs. ⊖6X 70 1 pc.	352378	140X70

Card size: (H × W) : mm; (Thickness) :23 mm


No.BW-61


No.BW-62


No.BW-63


No.BW-64


No.BW-65


No.BW-66


No.BW-67


No.BW-68


No.BW-69

MG Magnetic

Outer Ctn.:10, with one holder case

Model No.	Contents	JAN code	Card Size
BW-61	Double End Gold Color Bit ⊕2X150 5 pcs.	353276	185X70
BW-62	Double End Gold Color Bit ⊕2X 45 1 pc. ⊕2X 65 2 pcs. ⊕2X110 1 pc. ⊕2X150 1 pcs.	353283	185X70
BW-63	Double End Gold Color Bit ⊕2X110 2 pcs. ⊕2X150 1 pcs. Step Gold Color Bit ⊕2X100 1 pc. ⊕2X150 1 pcs.	353290	185X70
BW-64	Double End Gold Color Bit ⊕2X110 1 pc. ⊕2X150 2 pcs. Step Gold Color Bit ⊕2X150 2 pcs.	353306	185X70
BW-65	Step Gold Color Bit ⊕2X100 3 pcs. ⊕2X150 2 pcs.	353313	185X70
BW-66	Step Gold Color Bit ⊕2X 65 5 pcs.	353955	140X70
BW-67	Step Gold Color Bit ⊕2X100 5 pcs.	353962	140X70
BW-68	Step Gold Color Bit ⊕2X150 5 pcs.	353979	185X70
BW-69	Step Gold Color Bit ⊕2X 82 5 pcs.	353986	140X70


No.BW-10


No.BW-11


No.BW-12


No.BW-13


No.BW-14


No.BW-15


No.BW-16


No.BW-17


No.BW-18


No.BW-19


No.BW-20

MG Magnetic Excluding BW-10

Outer Ctn.:10, with one holder case

Model No.	Contents	JAN code	Card Size
BW-10	Gold Color Short Bit: 10 pcs. ⊕1/⊕2/⊕3/⊖4/⊖6 A/F: 2.5/3/4/5/6 Bit holder with magnet: 1 pc.	350206	120X85
BW-11	Double End Gold Color Bit ⊕2X 45 10 pcs.	350213	120X85
BW-12	Double End Gold Color Bit ⊕2X 65 10 pcs.	350220	120X85
BW-13	Double End Gold Color Bit ⊕2X110 10 pcs.	350237	150X100
BW-14	Double End Gold Color Bit ⊕2X 45 2 pcs. ⊕2X 65 6 pcs. ⊕2X110 2 pcs.	350244	150X100
BW-15	Double End Gold Color Bit ⊕1X 65 1 pc. ⊕2X110 1 pcs. ⊕2X 45 2 pcs. ⊕3X 65 1 pcs. ⊕2X 65 2 pcs. ⊕⊖ Double End Gold Color Bit ⊕2/⊖6 X65 1 pc. Step Gold Color Bit ⊕1X100 1 pcs. ⊕2X100 1 pcs.	350251	150X100
BW-16	Double End Gold Color Bit ⊕2X 65 5 pcs. ⊕2X110 3 pcs. ⊕2X150 2 pcs.	350268	190X100
BW-17	Double End Gold Color Bit ⊕2X 65 2 pcs. ⊕2X110 2 pcs. ⊕2X150 2 pcs. Step Gold Color Bit ⊕2X100 2 pcs. ⊕2X150 2 pcs.	350275	190X100
BW-18	Step Gold Color Bit ⊕2X 65 10 pcs.	352347	135X100
BW-19	Step Gold Color Bit ⊕2X100 10 pcs.	352354	160X100
BW-20	Step Gold Color Bit ⊕2X 65 3 pcs. ⊕2X100 5 pcs. ⊕2X150 2 pcs.	352361	185X100

Card size: (H × W) :mm; (Thickness) : 23 mm


No.BW-58


No.BW-59


No.BW-60

Outer Ctn.: 5, with one holder case

Model No.	Contents	JAN code	Card Size
BW-58	Gold Color Socket Bit: A/F 8X55: 1 pc.; A/F 10X55: 1 pc. A/F 12X55: 1 pc.; A/F 13X55: 1 pc. A/F 14X55: 1 pc.	350589	140×80
BW-59	Gold Color Socket Bit: A/F 8X55: 1 pc.; A/F 9.6X55: 1 pc. A/F 10X55: 1 pc.; A/F 12X55: 1 pc. Gold Color Socket Adapter Insertion Angle: 9.5;(3/8")X45: 1 pc.	350596	140×80
BW-60	Gold Color Socket Bit: A/F 7X55: 1 pc.; A/F 8X55: 1 pc. A/F 10X55: 1 pc.; A/F 13X55: 1 pc. Gold Color Socket Adapter Insertion Angle: 9.5;(3/8")X45: 1 pc.	350602	140×80

Card size: (H × W) : mm; (Thickness) : 23 mm


No.BW-111


No.BW-113


No.BW-114


No.BW-151


No.BW-153

MG Magnetic

Outer Ctn.:10, with one holder case

Model No.	Contents	JAN code	Card Size
BW-111	Double End Bit ⊕2× 45 10 pcs.	350411	120×85
BW-113	Double End Bit ⊕2×110 10 pcs.	350435	150×100
BW-114	Double End Bit ⊕2× 45 2 pcs. ⊕2× 65 6 pcs. ⊕2×110 2 pcs.	350442	150×100
BW-151	Double End Bit ⊕2× 45 5 pcs.	350619	95×70
BW-153	Double End Bit ⊕2×110 5 pcs.	350633	140×70

Paper size: (H × W) : mm; (Thickness) : 23 mm

NEW

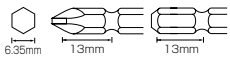


MG Magnetic

Outer Ctn.:10, with one holder case

Model No.	Contents	JAN code	Card Size
BW-31	Hex. Bit A/F: 2.5/3/4/5/6 × 65 : 1 for each	356574	140×70

Size of Bit Mounting Area




No.BW-163


No.BW-164


No.BW-165

MG Magnetic

Outer Ctn.:10, with one holder case

Model No.	Contents	JAN code	Card Size
BW-163	AT14 ⊕2× ϕ3.5×65mm 5 pcs.	353405	140×70
BW-164	AT14 ⊕2× ϕ3.5×110mm 5 pcs.	353412	140×70
BW-165	AT14 ⊕2× ϕ3.5×65mm 3 pcs. ⊕2× ϕ3.5×110mm 2 pcs.	353429	140×70

Card size: (H × W) mm; (Thickness) : 23mm

⚠Caution: Any damage on the torsion part will break a bit.
Check the bit for any damage before use.


No.BW-180


No.BW-181


No.BW-182

MG Magnetic

Outer Ctn.:10, with one holder case

Model No.	Contents	JAN code	Card Size
BW-180	Slender Bit ⊕ 2×65H 5 pcs.	353924	140×70
BW-181	Slender Bit ⊕ 2×110H 5 pcs.	353931	140×70
BW-182	Slender Bit ⊕ 2×65H 3 pcs. ⊕ 2×110H 2 pcs.	353948	140×70

Card size: (H × W) mm; (Thickness) : 23mm


No.BW-190


No.BW-191


No.BW-192

MG Magnetic

Outer Ctn.:10, with one holder case

Model No.	Contents	JAN code	Card Size
BW-190	α Bit ⊕2×65H 5 pcs.	355171	140×70
BW-191	α Bit ⊕2×110H 5 pcs.	355188	140×70
BW-192	α Bit ⊕2×65H 3 pcs. ⊕2×110H 2 pcs.	355195	140×70

Card size: (H × W) mm; (Thickness) : 23mm

Bit Box (For power tools)


No.BX-551


No.BX-552

BITSBOX

Inner Ctn.:5, Outer Ctn.:50

Model No.	Contents	JAN code	Card Size
BX-551	Tapping bit ⊕2×65H 5 pcs.	353993	85×46
BX-552	Tapping bit ⊕2×110H 5 pcs.	354006	130×46

Card size: (H × W) mm; (Thickness) : 11 mm

●JAN barcodes are 13-digit numbers composed of the following. 49 Country code | 07587 Manufacturer code | □□□□□ Product code | □ Check digit

Numbers given in the tables contain only the product code and check digit.

Bit Belt (For power tools)


No.BW-170


No.BW-171


No.BW-172


No.BW-173


No.BW-174


No.BW-175


No.BW-176

MG Magnetic "GIZA"notch

Outer Ctn.:10, with one holder case

Model No.	Contents	JAN code	Card Size
BW-170	Double End Notch Bit ⊕2× 65 5 pcs.	353191	140×70
BW-171	Double End Notch Bit ⊕2×110 5 pcs.	353207	140×70
BW-172	Double End Notch Bit ⊕2× 65 2 pcs. ⊕2×110 3 pcs.	353214	140×70
BW-173	Step Notch Bit ⊕2×4.5× 65 5 pcs.	353221	140×70
BW-174	Step Notch Bit ⊕2×4.5×100 5 pcs.	353238	140×70
BW-175	Step Notch Bit ⊕2×4.5× 65 2 pcs. ⊕2×4.5×100 3 pcs.	353245	140×70
BW-176	Step Notch Bit ⊕2×4.5× 65 2 pcs. ⊕2×4.5×100 2 pcs. ⊕2×4.5×150 1 pcs.	353252	185×70

Card size: (H × W) mm; (Thickness) : 23mm


No.BW-36


No.BW-37


No.BW-38


No.BW-39

MG Magnetic

Outer Ctn.:10, with one holder case NEW

Model No.	Contents	JAN code	Card Size
BW-36	Double End High Hardness Bit ⊕2× 65 5 pcs.	356581	140×70
BW-37	Double End High Hardness Bit ⊕2×110 5 pcs.	356598	140×70
BW-38	Step High Hardness Bit ⊕2× 65 5 pcs.	356604	140×70
BW-39	Step High Hardness Bit ⊕2×100 5 pcs.	356611	140×70

Card size: (H × W) mm; (Thickness) : 23mm


No.BW-401


No.BW-402


No.BW-403


No.BW-404


No.BW-405


No.BW-406


No.BW-407

Outer Ctn.:10, with one holder case NEW

Model No.	Contents	JAN code	Card Size
BW-401	Squared Double End Bit SQ No.2× 65 5 pcs.	355652	140×70
BW-402	Squared Double End Bit SQ No.3× 65 5 pcs.	355669	140×70
BW-403	Squared Double End Bit SQ No.2×110 5 pcs.	355676	140×70
BW-404	Squared Double End Bit SQ No.3×110 5 pcs.	355683	140×70
BW-405	Squared Double End Bit SQ No.2× 65 3 pcs. SQ No.2×110 2 pcs.	355690	140×70
BW-406	Squared Double End Bit SQ No.3× 65 3 pcs. SQ No.3×110 2 pcs.	355706	140×70
BW-407	Squared Double End Bit SQ No.2× 65 1 pc. SQ No.3× 65 2 pcs. SQ No.2×110 1 pc. SQ No.3×110 1 pc.	355713	140×70

Card size: (H × W) mm; (Thickness) : 23mm


No.BW-41


No.BW-42


No.BW-43


No.BW-44


No.BW-45


No.BW-46


No.BW-47

Outer Ctn.:10, with one holder case

Model No.	Contents	JAN code	Card Size
BW-41	Squared Double End Bit SQ No.2× 65 5 pcs.	355416	140×70
BW-42	Squared Double End Bit SQ No.3× 65 5 pcs.	355423	140×70
BW-43	Squared Double End Bit SQ No.2×110 5 pcs.	355430	140×70
BW-44	Squared Double End Bit SQ No.3×110 5 pcs.	355447	140×70
BW-45	Squared Double End Bit SQ No.2× 65 3 pcs. SQ No.2×110 2 pcs.	355454	140×70
BW-46	Squared Double End Bit SQ No.3× 65 3 pcs. SQ No.3×110 2 pcs.	355461	140×70
BW-47	Squared Double End Bit SQ No.2× 65 1 pc. SQ No.3× 65 2 pcs. SQ No.2×110 1 pc. SQ No.3×110 1 pc.	355478	140×70

Card size: (H × W) mm; (Thickness) : 23mm

"Bit Capsule"／"9-piece Bit" series

Bit Capsule (For power tools)

Patented



6.35mm ⬢

Clear case is made of resin that does not generate dioxins when incinerated. Holds 3 bits.
Colorfully labeled by type so that use and size are easily understood.
Users can easily select the bit needed for their work.

MG Magnetic Excluding CAH142065 and CAH142110



Model No.	Contents	JAN code	Inner Ctn.	Outer Ctn.	Card Size (H × W) mm
CAL142065	α Bit ⊕ 2× 65 3 pcs.	357007	10	100	83×19
CAL142110	α Bit ⊕ 2×110 3 pcs.	357014	10	100	125×19
CAS142065	Slender Bit ⊕ 2× 65 3 pcs.	357021	10	100	83×19
CAS142110	Slender Bit ⊕ 2×110 3 pcs.	357038	10	100	125×19
CAH142065	Tapping Bit ⊕ 2× 65 3 pcs.	357045	10	100	83×19
CAH142110	Tapping Bit ⊕ 2×110 3 pcs.	357052	10	100	125×19
CAT142065	Torsion Bit ⊕ 2× 65 3 pcs.	357069	10	100	83×19
CAT142110	Torsion Bit ⊕ 2×110 3 pcs.	357076	10	100	125×19
CAZ162065	Notch Bit ⊕ 2× 65 3 pcs.	357144	10	100	83×19
CAZ162100	Notch Bit ⊕ 2×100 3 pcs.	357151	10	100	125×19
CMA141065	Double End Standard Bit ⊕ 1× 65 3 pcs.	357083	10	100	83×19
CMA142065	Double End Standard Bit ⊕ 2× 65 3 pcs.	357090	10	100	83×19
CMA142110	Double End Standard Bit ⊕ 2×110 3 pcs.	357106	10	100	125×19
CMA161065	Step Standard Bit ⊕ 1× 65 3 pcs.	357113	10	100	83×19
CMA162065	Step Standard Bit ⊕ 2× 65 3 pcs.	357120	10	100	83×19
CMA162100	Step Standard Bit ⊕ 2×100 3 pcs.	357137	10	100	125×19
CGM142065	Double End Gold Color Bit ⊕ 2× 65 3 pcs.	357168	10	100	83×19
CGM142110	Double End Gold Color Bit ⊕ 2×110 3 pcs.	357175	10	100	125×19
CGM162065	Step Gold Color Bit ⊕ 2× 65 3 pcs.	357182	10	100	83×19
CGM162100	Step Gold Color Bit ⊕ 2×100 3 pcs.	357199	10	100	125×19

9-piece Bit Set NEW



6.35mm ⬢

A transparent case contains 9 bits. Featured POP is provided.
Thanks to this case shape, users make good use of the space for storage.

MG Magnetic



Model No.	Contents	JAN code	Inner ctn.	Outer ctn.	Package size with POP (H × W × D) mm
9PAT142065	Torsion Bit ⊕ 2× 65 9 pcs.	356642	4	120	48× 67×22
9PAT142110	Torsion Bit ⊕ 2×110 9 pcs.	356659	4	80	48×112×22
9PAS142065	Slender Bit ⊕ 2× 65 9 pcs.	356666	4	120	48× 67×22
9PAS142110	Slender Bit ⊕ 2×110 9 pcs.	356673	4	80	48×112×22
9PAX142065	Double End High Hardness Bit ⊕ 2× 65 9 pcs.	356628	4	120	48× 67×22
9PAX142110	Double End High Hardness Bit ⊕ 2×110 9 pcs.	356635	4	80	48×112×22

Gold Bit Packs,10-bit package. For power tools

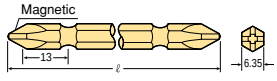
Minimal packaging. Contains only bits, therefore is less expensive. Paper package prevents direct contact with steel dust when stored in toolboxes.





Model No. / Size	Contents	Package size (L × W) mm	Inner Ctn. (1 case)	Case size (W × H × D) mm	Outer Ctn.
GM-A14 ⊕2× 45H	Double End Gold Color Bit ⊕2× 45H 10 pcs.(magnetic)	90× 80	100 pcs (10 packages)	102×80×88	12 cases
GM-A14 ⊕2× 65H	Double End Gold Color Bit ⊕2× 65H 10 pcs.(magnetic)	90× 80	100 pcs (10 packages)	102×80×88	12 cases
GM-A14 ⊕2×110H	Double End Gold Color Bit ⊕2×115H 10 pcs.(magnetic)	120× 80	100 pcs (10 packages)	130×80×88	10 cases

MG Magnetic



●JAN barcodes are 13-digit numbers composed of the following. 49 (Country code) 07587 (Manufacturer code) □□□□□ (Product code) □ (Check digit) Numbers given in the tables contain only the product code and check digit.

Bit Pack & Refill Bits (For power tools)

6.35mm ⬢

Bit packs fit neatly in drawers for storage and management. Can be displayed without taking up space. Transparent case helps buyers easily identify contents. All packs contain frequently used bits. Essential set of bits for professionals.

BITSPACK





PM-A14 ⊕2×150H　PM-A16 ⊕2×100H　No.BP-1

Nut Setter (for 6 mm) A/F of SB 3/8 × 55 (length)

■**Bit Pack**

Outer Ctn.:10

Model No. / Size		Contents	JAN code	Card Size
BP-1	(Storage case: Blister pack type)	●Bit for cordless type: ⊕2…2 pcs. ●Bit holder with magnet: 1 pc. ●Short bit ⊕1・⊕2・⊕3・⊖4・⊖5・⊖6 ……1 for each	350152	205×70
BP-2	(Storage case: Blister pack type)	●Bit for cordless type: ⊕1 ⊕2…1 for each ●Bit holder with magnet: 1 pc. ●Short bit ⊕2 ……6 pcs.	350169	205×70

Paper size: (H × W) : mm; (Thickness) : 30mm

■**Refill Bit (in transparent case)** MG Magnetic

					Pack Size	
PM-A14	⊕ 1× 65H	M-A14	⊕ 1× 65H	10 pcs.	350008	139×55
PM-A14	⊕ 1×110H	M-A14	⊕ 1×110H	10 pcs.	350015	225×55
PM-A14	⊕ 2× 45H	M-A14	⊕ 2× 45H	10 pcs.	350022	139×55
PM-A14	⊕ 2× 65H	M-A14	⊕ 2× 65H	10 pcs.	350039	139×55
PM-A14	⊕ 2× 65G	M-A14	⊕ 2× 65G	10 pcs.	350046	139×55
PM-A14	⊕ 2×110H	M-A14	⊕ 2×110H	10 pcs.	350053	225×55
PM-A14	⊕ 2×150H	M-A14	⊕ 2×150H	10 pcs.	350060	225×55
PM-A14	⊕ 3× 65H	M-A14	⊕ 3× 65H	10 pcs.	350077	139×55
PM-A16	⊕ 2× 65H	M-A16	⊕ 2× 65H	10 pcs.	350084	139×55
PM-A16	⊕ 2×100H	M-A16	⊕ 2×100H	10 pcs.	350091	225×55
PM-A16	⊕ 2×150H	M-A16	⊕ 2×150H	10 pcs.	350107	225×55

■**Nut Setter locked with ball**

					Pack Size	
SB	A/F: 5/16×55	Nut Setter **SB**	A/F: 5/16×55	5 pcs.	350176	127×87
SB	A/F: 3/8×55	Nut Setter **SB**	A/F: 3/8×55	5 pcs.	350183	127×87

Paper size: (H × W) : mm; (Thickness) : 15mm

Bits Case (For power tools)

Patented

6.35mm ⬢

Bit set in a compact case (20 mm thick). Handy for storing and managing bits. Can be efficiently displayed in stores by hanging individual cases or stocking on shelves.

BITSCASE





MG Magnetic Excluding BC-21



Model No.	Contents	JAN code	Inner Ctn.	Card Size (H × W) mm
BC-11	Double End Gold Color Bit ⊕ 2× 45 40 pcs.	350312	5	140×85
BC-12	Double End Gold Color Bit ⊕ 2× 65 34 pcs.	350329	5	140×85
BC-13	Double End Gold Color Bit ⊕ 2×110 20 pcs.	350336	5	140×85
BC-14	Double End Gold Color Bit ⊕ 2× 45 10 pcs. ⊕ 2× 65 10 pcs. ⊕ 2×110 10 pcs.	350343	5	140×85
BC-21	Standard type Double End Bit A14 ⊕2×45 H 40本	350350	5	140×85

Aluminum Socket Bits (For power tools)

6.35mm ⬢

Ideal for fastening scaffolding clamps, assembling cable racks, and fastening wingbolts and other bolts and nuts.

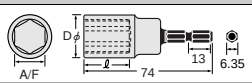
Super Lightweight Aluminum
Weighs about 60% of steel. There is little impact when starting, therefore fastening proceeds smoothly.

No Damage to Bolts
Made of aluminum alloy and designed for face-to-face contact, the socket does not damage bolts or buts.

Color-Coded Sizes
Affixed with color-coded labels so that size can be identified at a glance





Shape	Model No.	A / F mm	ϕD mm	ℓ mm	Weight g	JAN code	Inner Ctn.	Size with S hanger mm	Label Color
	**AA201975**	19	27	26	52	354983	5	128×35	Red
	AA202175	21	30	26	62	354990	5	128×35	Yellow

Tilt Sockets

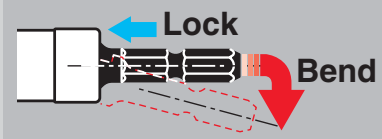
Super performance socket that can be used tilted or locked!

PAT.P.



Bendable neck 15° Lockable | Surface contact in 12 corners | 26°30' Beveling | Holds nut at end | Impact power drill 6.35mm | Color-coded by size

Bends slightly for corner jobs. Lockable & Bendable Neck.



Pull to Bend, push to Lock. You can use the both features.
If not obstructed by anything, pushing locks the neck enabling use as a deep socket.
When tightening in corners, pull the socket and bend the neck to work more easily.



Tightening of duct coupling



Tightening of strap bolts

Tilt Bit Holders

Mounts bit. Completely transforms bit by enabling it to Tilt driving.

PAT.P.



Bendable neck 15° Lockable | 26°30' Beveling | Smooth Turning Grip | Impact power drill 6.35mm



Thanks to a hand-turned grip, users can work in a stable posture.



Installing tension and angle brackets

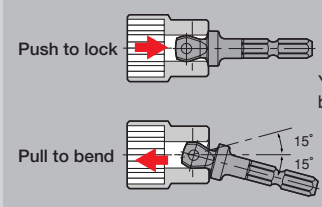
Tilt Socket Adapters

Use your own sockets and tilted up to 15˚.

PAT.P.



Bendable neck 15° Lockable | 26°30' Beveling | Impact power drill 6.35mm



You can use the both features.



High hardness HRC60 to prevent wear on corners

Unique Features

Surface contact in 12 corners
12-corner sockets make a difference in continuous work. Smoothly fit over nuts. And, surface contact protects nuts against damage.

Axial press-fitting
Adopts a patented axial press-fitting technique that prevents shank breaking and twisting. Compared to single body socket bits, strength is almost twice as high.

Bendable neck 15° Lockable
Pull to bend, push to lock. Very convenient for working in corners.

26°30' Beveling
Smoothly fits into the anvil without biting the pole groove. Easy attaching/detaching.

Smooth Turning Grip
The grip turns freely. Convenient when using a power driver to turn the socket.

Holds nut at end
The nut is held at the end of the socket. The nut's position can be checked while working.

Color-coded by size
O-rings and labels are color-coded by size. The wanted size can be quickly found in toolboxes.

Impact power drill 6.35mm
Designed for use with power drills

Long specification for reaching across distances
Long sockets are needed for deep or tight spots. VESSEL makes available super long sockets and long extension adapters.

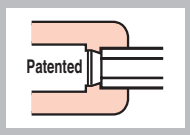
Deep Hole Sockets

Easy 12 Pointed, Strong against slipping and twisting thanks to **VESSEL** *patented Axial Press-fitting!*

Patented.



Surface contact in 12 corners | Axial press-fitting | 26°30' Beveling | Holds nut at end | Impact power drill 6.35mm | Color-coded by size



Because the shank and socket have been heat-treated to the best hardness, they are strong against twisting. VESSEL has also patented the structure that prevents the shank from slipping free so the sockets do not rattle or slip.



Surface contact in 12 corners
With 12 corners, sockets fit smoothly over nuts. More surface area grabs the nut, whereby preventing damage to head corners.



Tightening of step clamp

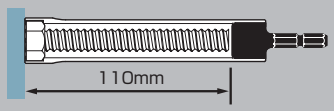
Super Long Sockets

Extra length and strength. Reaches completely to the rear.

Patented



Surface contact in 12 corners | Axial press-fitting | 26°30' Beveling | Holds nut at end | Long specification for reaching across distances | Impact power drill 6.35mm | Color-coded by size



Handy for tightening protruding bolts.



For anchor bolts, form ties, hanger bolts, overhead cement hangers, etc.

Sockets

Excellent durability

PAT.P.



Axial press-fitting | 26°30' Beveling | Holds nut at end | Impact power drill 6.35mm | Color-coded by size



Axial Press-fitting is strong against twisting



Installing piping or wiring supports

Ring Nut Setters

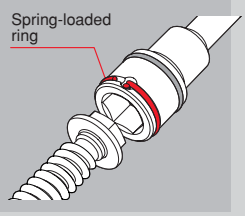
Holds screws tight without slipping or dropping. Allows you to work with one hand in high places.

PAT.P.



26°30' Beveling | Impact power drill 6.35mm | Color-coded by size

Magnets attract iron dust. Ball locks loose the ball. ··· The spring-loaded ring solves those problems by securely holding the screw!





A ring nut setter is the best choice for securely fastening drill screws or flanged hexagon head screws with in high places as when anchoring angled plates in the middle.

Long Bit Holders

Recommended for working in tight and deep places.



26°30' Beveling | Surface contact in 12 corners | Impact power drill 6.35mm

Problems are quickly solved with a 6.35 mm hexagon bit or long type bit.
Thanks to a hand-turned grip, users can work in a stable posture.





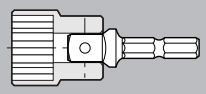
Tightening screws in high places or when nearby obstructions make work difficult.

Socket Adapters

Applicable with ordinary sockets.



26°30' Beveling | Impact power drill 6.35mm



Simply mount your sockets and go right to work. (Check mounting angle.)

Axial press-fitting is not effective with all sockets. Minimized wear is the key to single body adapters.



High hardness HRC60 to prevent wear on corners

Rubble-removing Sockets for Plastic Cone

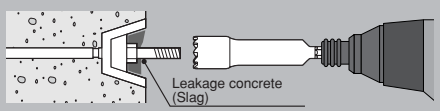
Removes concrete splatter and speeds up plastic cone installation.



26°30' Beveling | Impact power drill 6.35mm | Color-coded by size

Super hard steel is used for the tip. Quickly grinds away troublesome rubble (concrete) so plastic cones can be set and pulled more rapidly.







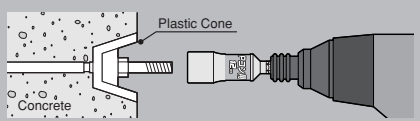
Use for setting and pulling plastic cones in form work.

Sockets for Plastic Cone

Use for setting and pulling plastic cones in form work.



26°30' Beveling | Impact power drill 6.35mm | Color-coded by size



Cost-efficient specification
The shaft can be hit with a hammer to remove concrete rubble.



Use for setting and pulling plastic cones in form work.

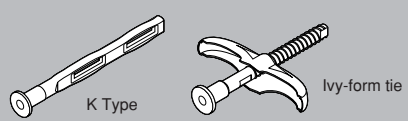
Form Tie Sockets

Use for setting and striking form ties.

PAT.



26°30' Beveling | Impact power drill 6.35mm



Either type can be used.



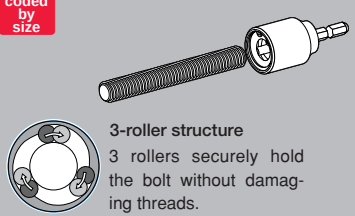
Use for setting and striking Ivy-form or K type form tie.

Fully Threaded Sockets

Fully threaded. Does not destroy threads of continuous-thread studs.



Impact power drill 6.35mm | Color-coded by size



3-roller structure
3 rollers securely hold the bolt without damaging threads.

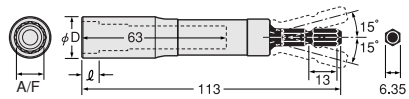


Hanger bolt for drop ceiling

VESSEL Rigid Forged Socket Series NEW

■Tilt Sockets PAT.P.

Inner Ctn.:5 Outer Ctn:100



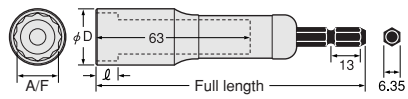
Model No.	A/F	φD mm	ℓ mm	Overall length mm	JAN code	Card Size (H×W) mm
WA201011	10	16	6.5	113	356017	165×35
WA201211	12	18	7.5	113	355843	165×35
WA201311	13	19	8	113	355850	165×35
WA201411	14	20	8	113	355867	165×35
WA201711	17	23	9	113	355874	165×35
WA201911	19	25	10	113	355881	165×35
WA202111	21	28	11	113	355898	165×35
WA202211	22	29	13	113	4907587357663	165×35
WA202411	24	32	13	113	4907587357670	165×35

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



■Deep Hole Sockets Patented

Inner Ctn.:5 Outer Ctn:100 (LA202411 packaged by inner carton only.)



Model No.	A/F	φD mm	ℓ mm	Overall length mm	JAN code	Card Size (H×W) mm
LA200811	8	14	6.5	110	345684	160×35
LA201011	10	16	6.5	110	345691	160×35
LA201211	12	18	7.5	110	345707	160×35
LA201311	13	19	8	110	345714	160×35
LA201411	14	20	8	110	345721	160×35
LA201711	17	23	9	110	345738	160×35
LA201911	19	25	10	110	345745	160×35
LA202111	21	28	11	110	345752	160×35
LA202211	22	29	13	110	4907587357687	160×35
LA202411	24	32	13	110	345769	160×35

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



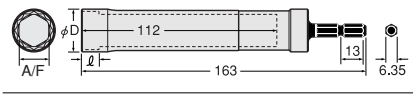
3-piece deep hole socket pack (in vinyl bag)

Model No.	Contents	JAN code	Inner Ct. (set)	Vinyl bag Size (H × W) mm
LA2017-3PC	LA201711 (A/F17mm) 3pc	345776	5	135×115
LA2019-3PC	LA201911 (A/F19mm) 3pc	345783	5	135×115
LA2021-3PC	LA202111 (A/F21mm) 3pc	345790	5	135×115



■Super Long Sockets Patented

Inner Ctn.:5 Outer Ctn:50

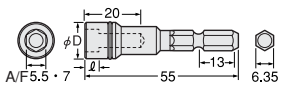


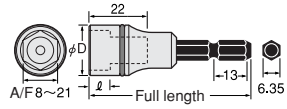
Model No.	A/F	φD mm	ℓ mm	Overall length mm	JAN code	Card Size (H×W) mm
XA201715	17	23	9	163	345936	220×35
XA201915	19	25	10	163	345943	220×35
XA202115	21	27	11	163	345950	220×35

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

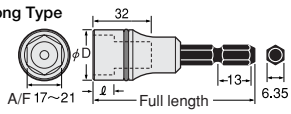
■Sockets PAT.P.

Inner Ctn.:5 Outer Ctn:100





Semi-Long Type



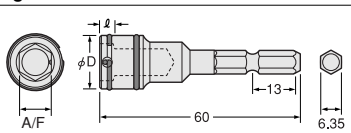
Model No.	A/F	φD mm	ℓ mm	Overall length mm	JAN code	Card Size (H×W) mm
SA205555	5.5	10	3.5	55	345806	110×35
SA200755	7	13	5	55	345813	110×35
SA200860	8	13.5	6.5	60	345820	115×35
SA209660	9.6	16	6.5	60	345837	115×35
SA201060	10	16	6.5	60	345844	115×35
SA201260	12	18	8	60	345851	115×35
SA201360	13	19	8	60	345868	115×35
SA201460	14	20	8	60	345875	115×35
SA201760	17	23	9	60	345882	115×35
SA201770	17	23	9	70	345967	125×35
SA201970	19	25	10	70	345899	125×35
SA202170	21	28	11	70	345905	125×35

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



■Ring Nut Setters PAT.P.

Inner Ctn.:5 Outer Ctn:100



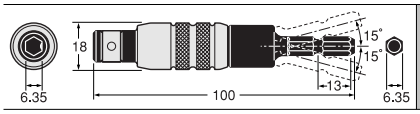
Model No.	A/F	φD mm	ℓ mm	Overall length mm	JAN code	Card Size (H×W) mm
SAR0860	8	13	3	60	355980	115×35
SAR9660	9.6	16	4	60	355997	115×35
SAR1060	10	16	5	60	356000	115×35

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

⚠ Caution: Please be sure to read through "For the safety use of the tools" on page 134 of this catalog.
⚠ Caution: Do not turn attachments idly when mounted on a power tool.

■Tilt Bit Holders PAT.P.

Inner Ctn.:5 Outer Ctn.:100

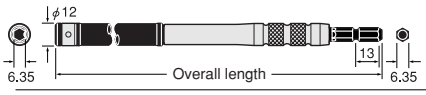


Model No.	Bit mounting angle mm	Outer diameter mm	Overall length mm	JAN code	Card Size (H × W) mm
WBJ100	6.35	18	100	355959	160×35



■Long Bit Holders

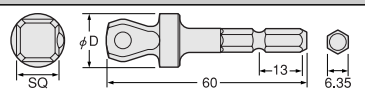
Inner Ctn.:5 Outer Ctn.:100



Model No.	Bit mounting angle mm	Outer diameter mm	Overall length mm	JAN code	Card Size (H × W) mm
EXJ150	6.35	12	150	355966	205×35
EXJ300	6.35	12	300	355973	355×35

■Tilt Socket Adapters PAT.P.

Inner Ctn.:5 Outer Ctn.:100

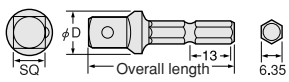


Model No.	Socket mounting angle SQ mm	ϕD mm	Overall length mm	JAN code	Card Size (H × W) mm
A20WSQ3	9.5	13	50	355935	115×35
A20WSQ4	12.7	16	60	355942	115×35



■Socket Adapters

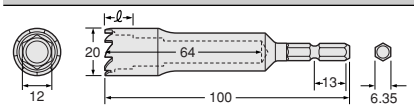
Inner Ctn.:5 Outer Ctn.:100



Model No.	Bit mounting angle mm	Outer diameter mm	Overall length mm	JAN code	Card Size (H × W) mm
A20BSQ2	6.35	8	45	355904	105×35
A20BSQ3	9.5	13	45	355911	105×35
A20BSQ4	12.7	16	55	355928	105×35

■Rubble-removing Sockets for Plastic Cone

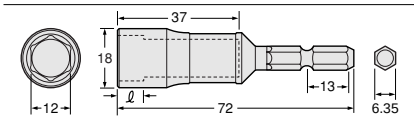
Inner Ctn.:5 Outer Ctn.:100



Model No.	A/F	Outer diameter mm	ℓ mm	Overall length mm	JAN code	Card Size (H × W) mm
A201210G	12	20	11	100	345929	155×35

■Sockets for Plastic Cone

Inner Ctn.:5 Outer Ctn.:100

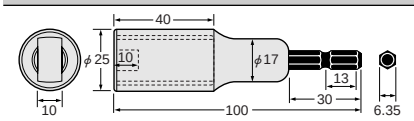


Model No.	A/F	Outer diameter mm	ℓ mm	Overall length mm	JAN code	Card Size (H × W) mm
A201275	12	18	8	72	345912	120×35



■Form Tie Sockets Patented

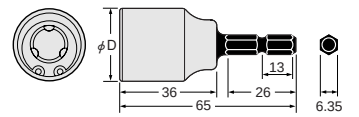
Inner Ctn.:5



Model No.	A/F mm	Outer diameter mm	Overall length mm	JAN code	Card Size (H × W) mm
GA20F101	10	25	100	346704	160×35

■Fully Threaded Sockets

Inner Ctn.:5



Model No.	Screw size	ϕD mm	Overall length mm	JAN code	Card Size (H × W) mm
GA20ZW25	5/16	23	65	346759	125×35
GA20ZW30	3/8	28	65	346766	125×35
GA20ZW40	1/2	28	65	346773	125×35



●JAN barcodes are 13-digit numbers composed of the following.

49 (Country code) | 07587 (Manufacturer code) | □□□□□ (Product code) | □ (Check digit)

Numbers given in the tables contain only the product code and check digit.

Magnetic Screw Catcher (For power tools)

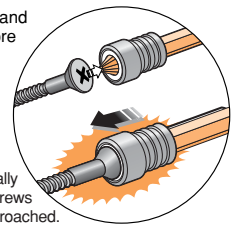


For sinking screws in construction and civil engineering work (i.e., joists and planks, interiors, etc.). A strong magnet assuredly holds screws, therefore can be used with long screws.

Strong Magnet
Assuredly holds even long screws so that users can work one-handedly. Also prevents screws from dropping. Oblique tightening OK.

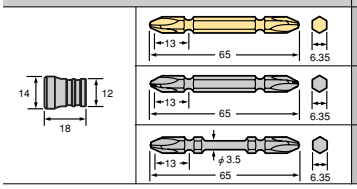
Compact and Lightweight
Made of aluminum. Weights only 5 g. Does not stress users during work.

Easy to See tip
Bit tip is easy to see, making it easier to fit the screw hole.



Automatically catches screws as it is approached.



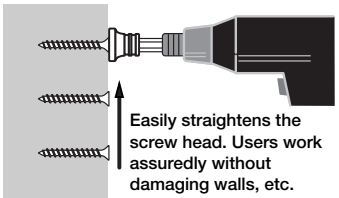
Shape	Model No.	Contents	JAN code	Inner Ctn.	Card Size (H × W) mm
	**BH-15**	Magnetic Screw Catch: 1 pc. Double End Gold Color Bit ⊕2×65mm: 1 pc.	354884	10	135×45
	BH-16	Magnetic Screw Catch: 1 pc. "GIZA" bit ⊕2×65mm : 1pc	354891	10	135×45
	BH-17	Magnetic Screw Catch: 1 pc. Torsion bit ⊕2×65mm : 1pc.	354907	10	135×45

Screw Adjuster (For power tools) PAT.P.



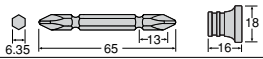
For construction and civil engineering work. Prevents over-tightening in sheetrock, particle board, etc.

8~9.5mm Can be used with bell-shaped screws.



Easily straightens the screw head. Users work assuredly without damaging walls, etc.



Shape	Model No.	Contents	JAN code	Inner Ctn.	Card Size (H × W) mm
	**BH-13**	Screw Adjuster: 1 pc. Double End Gold Color Bit ⊕2×65mm : 1pc.	353269	10	135×45

Screw Catch and Adjuster (For power tools)

Patented

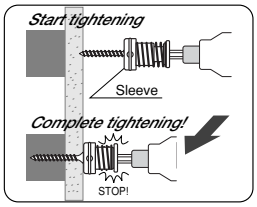
For construction and civil engineering work. Ideal for sinking screws in sheetrock, particle board, etc.



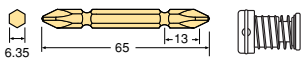
8~9.5mm Can be used with bell-shaped screws.

Adjuster
Can set sinking depth.

Screw Catch
Assuredly holds screws so that users can work one-handedly.





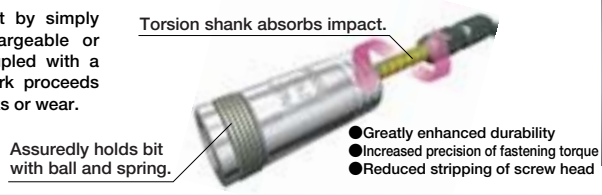
Shape	Model No.	Contents	JAN code	Inner Ctn.	Card Size (H × W) mm
	**BH-11**	Screw Catch and Adjuster: 1 pc. Double End Gold Color Bit ⊕2×65mm : 1pc.	347053	10	135×45

Torsion Bit Holder (For power tools)

Patented

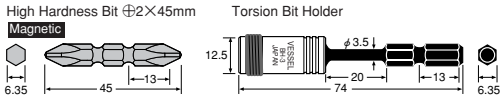


Gains a torsion effect by simply mounting on a rechargeable or pneumatic driver. Coupled with a high hardness bit, work proceeds smoothly without breaks or wear.



- Greatly enhanced durability
- Increased precision of fastening torque
- Reduced stripping of screw head



Shape	Model No.	Contents	JAN code	Inner Ctn.	Card Size (H × W) mm
High Hardness Bit ⊕2×45mm Magnetic / Torsion Bit Holder 	**BH-14**	Torsion Bit Holder 1pc. Hight Hardness Bit ⊕2×45mm 1pc.	354792	10	160×45

Industrial Bits
Problme Solving Sockets

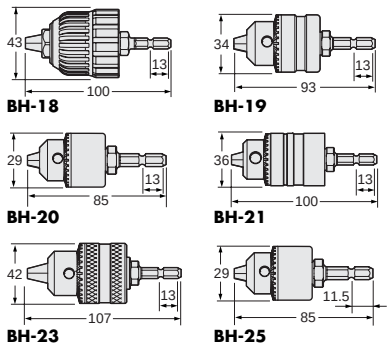
Drill Chuck (For power tools)

Mount a bit and perform all kinds of work from drilling to grinding and fastening.
- ●Fantastic grip. High precision.
- ●High durability shank
- ●Keyless type: Bit on-off without requiring a key.
- ●Key type: Attach and detach tools with the included key.
- ●Hybrid type: Works with or without a key.



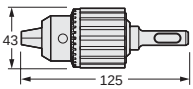


For Pneumatic and Power Screwdrivers

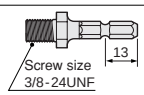
Shape	Model No.	Contents	Tip grip range mm	JAN code	Inner Ctn.	Card Size (H × W) mm
6.35mm ⬢  BH-18 BH-19 BH-20 BH-21 BH-23 BH-25	BH-18	・Drill Chuck (keyless)	Dia.: 0.8～10	354952	5	140×80
	BH-19	・Drill Chuck (keyed) ・Key	Dia.: 1.5～10	354969	5	140×80
	BH-20	・Drill Chuck (keyed) ・Key	Dia.: 0.8～6.5	355324	5	140×80
	BH-21	・Drill Chuck (keyed) ・Key	Dia.: 1.5～10	355331	5	140×80
	BH-23	・Drill Chuck (keyed) ・Key	Dia.: 1.5～13	355836	5	140×80
	BH-25	・Drill Chuck (keyed) ・Key	Dia.: 0.8～6.5	356734	5	140×80

For the BH-25 applicable models, see the D83 type on page 74.

For Rotary Hammer and Hammer Drills

SDS Plus 	BH-22	・Drill Chuck SDS Plus (keyed)	Dia.: 2 ～13	355539	5	185×100

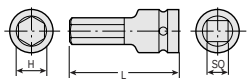
Spare Shafts for Drill Chucks

6.35mm ⬢ (Applicable Models：BH-18/19/20/21/23) 	BH-24	・Pare shank ・Reversing screw	Screw size 3/8-24UNF	356062	5	135×35

Socket and Attachments (For power tools)

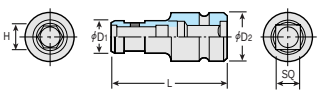


■Hollow head Sockets



Mounting angle SQ	Model No.	Size A/F (H)	Overall length (L)
9.5mm ■ 3/8″	A29-2	4	50
		5	50
		6	50
		8	60
		10	60
		12	60
12.7mm ■ 1/2″	A29-4	5	60
		6	60
		8	60
		10	68
		12	68
		14	78
		17	78
19.0mm ■ 3/4″	A29-5	10	87
		12	65
		14	65
		17	87

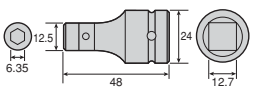
■Socket Anvils



Model No.	Size Mounting angle (SQ) × A/F (H)	Dimensions D1	D2	L	
A30	9.5×6.35	13	20	45	A14・A16
	9.5×8.0	16	20	47.5	A15・A19
	12.7×6.35	13	25	49	A14・A16
	12.7×8.0	16	25	51	A15・A19

●For the order, specify the product no., size, heat treatment class and quantity. Ex.) A30 9.5×6.351 pc.

■Socket Anvils

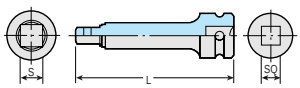




Pack with backing paper ▶

Model No.	Size Mounting angle (SQ) × A/F (H)	Card Size	JAN code
BH-30	12.7×6.35	135×60	355249

■Extension Bars



Model No.	Size Mounting angle (SQ) × A/F (L)
A24-2	12.7×100
A25-2	19.0×150
A26-2	25.4×160
	25.4×200