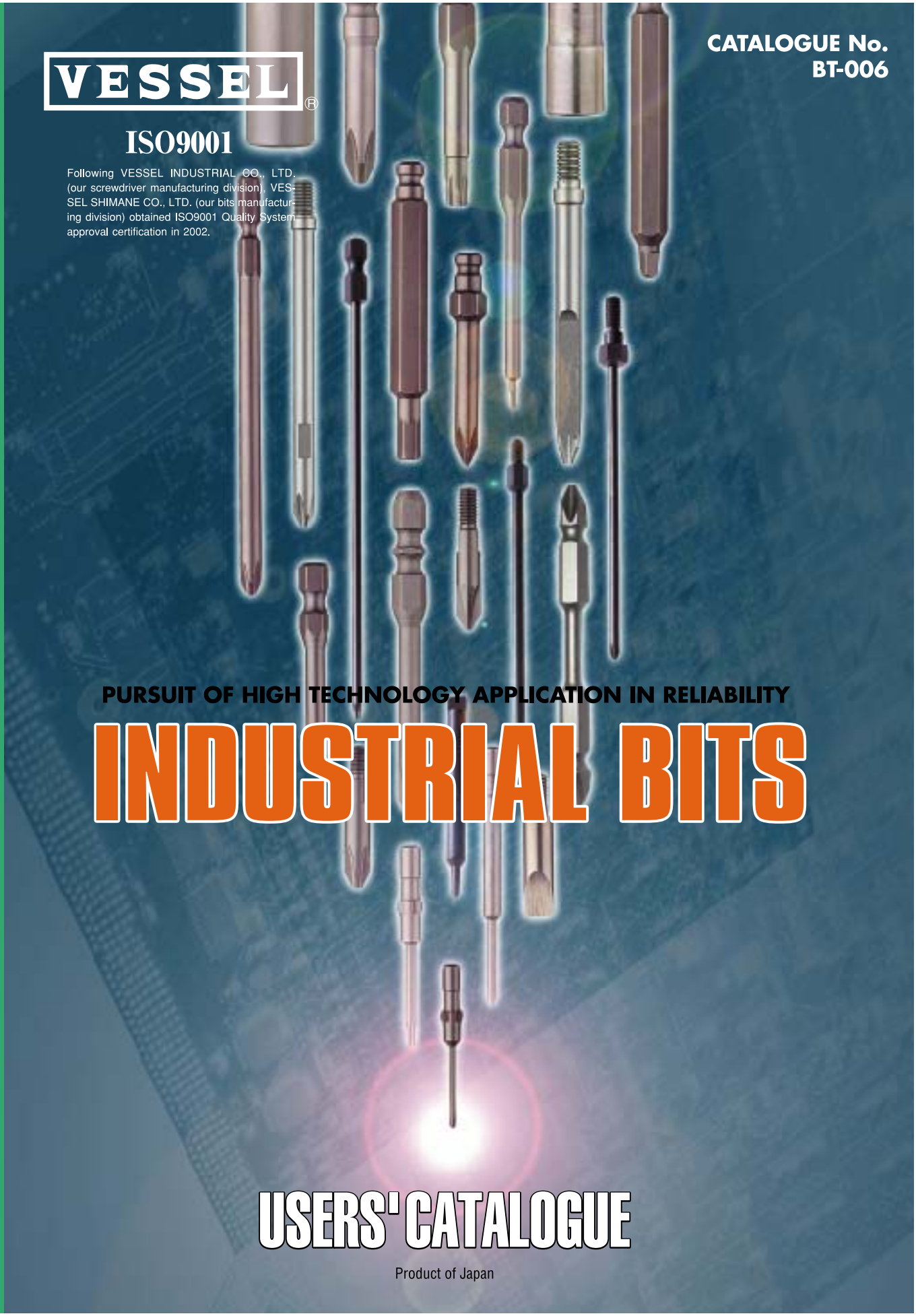
VESSEL INDUSTRIAL BITS USERS' CATALOGUE

VESSEL®

ISO9001

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.

CATALOGUE No.
BT-006



PURSUIT OF HIGH TECHNOLOGY APPLICATION IN RELIABILITY

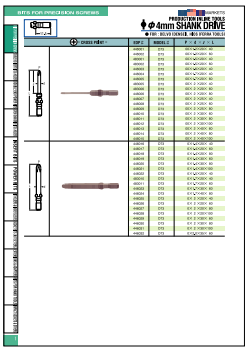
INDUSTRIAL BITS

USERS' CATALOGUE

Product of Japan

VESSEL
INDUSTRIAL BITS

WE OFFER A WIDE SELECTION OF PRODUCTS,
AND A CONSULTATION SERVICE FOR YOUR SELECTION OF THE APPROPRIATE BITS.



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INTRODUCTION

THE COMPANY

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 a 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 integral part of your fastening application system.

MATERIALS

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

All of our bits are manufactured under our stringent quality control system in order to produce the most accurate and durable industrial bits available.
The processing conditions of each production lot are recorded in detail.
This record of the heat treatment process for each run is filed for 10 years, to be used to locate any source of possible problems, and to help us improve the process. The products from each run are sample-tested before shipment.
They are subjected to various tests for dimensions, hardness and torsion torque.
Only bits which passed our strict criteria are delivered to our customers.

VESSEL GUARANTEE

All VESSEL products are precision engineering to various standards, and the products are in warranty against either defective materials and/or workmanship when used for the purpose for which they were designed.
VESSEL ensures that every product supplied is manufactured and tested to the relevant quality and production standards such as JIS and DIN requirements.

GENERAL INFORMATION

SELECTION OF THE PROPER HEAT TREATMENT

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.

If your bits tend to get broken or chip-off, switch to a bit with less hardness. If your bits wore quickly, choose a harder bit. However, bits may often break or get worn due to various factors such as different operators, different torque values and different power tool settings.

VESSEL industrial bits are classified according to three main heat treatment classes; "X", "H" and "G".

APPLICATIONS HEAT TREATMENT CLASS	SCREWS TO BE FASTENED	TYPE OF WORK	TYPE OF FIELD
X **HIGHEST HARDNESS** HRC 62±1	HIGH-HARDNESS SCREWS SUCH AS TAP SCREWS, SELF-DRILLING TAP SCREWS	LIGHT & LOW TORQUE WORK BY TORQUE CONTROL AIR S/DRIVER, ELECTRIC S/DRIVER, AUTOMATIC SCREW FASTENING DEVICE, FOR EXAMPLE	AUTOMATIC ASSEMBLY OF PRECISE EQUIPMENT & AUDIO EQUIPMENT
H **HIGH HARDNESS** HRC 60±1	MEDIUM-HARD SCREWS SUCH AS TAP SCREWS	MEDIUM & LOW TORQUE WORK BY SPEED-REDUCING AIR S/DRIVERS & ELECTRIC S/DRIVER, FOR EXAMPLE	ASSEMBLY & DISASSEMBLY OF HOME ELECTRIC APPLIANCES & ASSEMBLY OF COMMUNICATION EQUIPMENT & AUDIO EQUIPMENT
G **STANDARD HARDNESS** HRC 57±1	STANDARD HARDNESS SCREWS SUCH AS SMALL MACHINE SCREWS & WOOD SCREWS	HEAVY DUTY WORK INCLUDING HIGH TORQUE & HIGH IMPACT APPLICATIONS, ESPECIALLY USEFUL WITH IMPACT TYPE AIR S/DRIVER	AUDIO PARTS, MACHINE PARTS, WOODEN MOULDINGS SUCH AS WINDOW DOOR SASHES & FURNITURE

In general, high torque applications require "G" hardness to withstand twisting and resist breakage.
The "H" hardness is for medium torque applications, and this class is most common and should be selected for nomal application.
The "X" hardness is most suitable for low torque applications, particularly if hardened screws are used.

In addition to above three classes, low hardness "E" HRC 55±1and lowest hardness "S" HRC 53±1are also available for use in heavy duty work where high impact is anticipated.

Dimensions and specifications are subject to be changed without notice in advance.

GENERAL INFORMATION

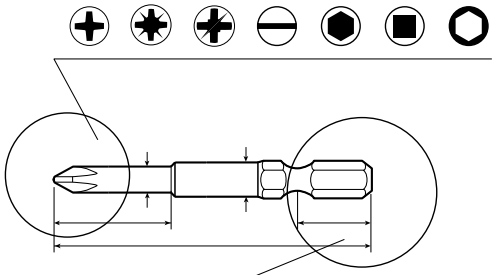
HOW TO ENQUIRE AND ORDER SPECIAL ITEM

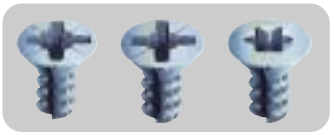
In case you cannot find your application in our standard selections, we offer special-make bits. In order to avoid misunderstanding on its application, you are kindly requested to inform us on following specific points.

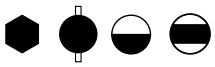
1. samples of the concerned bits
2. screws to be fastened with
3. drawings of particular bits
4. relative technical features
   (heat treatment class, finishing, etc...)

If samples and/or drawings are not available, following information is required for accurate quotation and/or production.

a. shape & size of tip
b. diameter of shank
c. length of reduced part of shank
d. overall length
e. shape & size of drive part
f. other special requests







FOR SAFETY USE

BITS

- Avoid over-torque, over-load.
- Do not idle tool in free speed with bit attached to it.
- Do not use hand tool bits for power tools.
- Before tools put on services for installing or replacing bits, be sure to disconnect the power supply. Otherwise these tools may operate accidentally during their replacement or come off during operation, resulting in accidents. This is very dangerous.
- During the operation, the bits and screws are heated due to friction, therefore, do not touch them.

IMPACT SOCKETS

- Be sure to use our specified O-rings and socket pins.
  (Use of only retainer rings is not sufficient enough to hold the socket.)
- Do not use hand tool sockets to power tools.

TROUBLE SHOOTING GUIDE

Though bits are classified as consuming items, proper usage secures the longer life.
Wrong application may cause or ruin the life of concerned bits.
Your careful study on following is required for the long and efficient use of the bits.

CHIPPED-OFF (BRITTLE)	
CAUSE	**REMEDY**
POOR QUALITY SCREWS (DIMENSIONS OF RECESSED PART ARE NOT PRECISELY MADE)	CHOOSE QUALITY SCREWS (JIS, DIN, ISO, etc)
SIZE/SHAPE OF RECESSED PART OF SCREW AND POINT SIZE/ SHAPE OF BIT DOES NOT MATCH EACH OTHER	MATCH THE SIZE/SHAPE EACH OTHER
HARDNESS OF BIT IS NOT APPROPRIATE FOR THE APPLICATION	USE LOWER HARDNESS BIT
BIT APPLIED INTO SCREW HEAD AT IMPROPER ANGLE	APPLY THE BIT INTO THE SCREW HEAD AT RIGHT ANGLE
WORN-OUT ANVIL OF FASTENING TOOL	REPLACE THE ANVIL
OVER-TORQUE APPLIED	CHECK REQUIRED TORQUE FOR THE APPLICATION, AND USE APPROPRIATE FASTENING TOOL
OVER-LOAD (UNNECESSARY CONTINUED OPERATION AFTER FASTENING JOB COMPLETED)	STANDARD FASTENING TIME FOR A SCREW BY APPROPRIATE TOOLS IS 2-3 SECONDS. WHEN LONGER FASTENING TIME NEEDED, BIGGER TORQUE TOOL IS RECOMMENDED.
LIFT UP THE TOOL WITH THE BIT TURNING FROM SCREW AFTER FASTENED	DISCONTACT OFF THE SCREW AFTER THE TOOL TURNING CEASED
INCOMPLETE BIT INSERTION TO SCREW HEAD	MAKE SURE TO INSERT THE TIP OF APPROPRIATE BIT TO SCREW HEAD BEFORE RUNNING

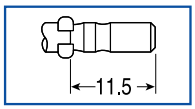
WORN-OUT QUICKLY	
CAUSE	**REMEDY**
POOR QUALITY SCREWS (DIMENSIONS OF RECESSED PART ARE NOT PRECISELY MADE)	CHOOSE QUALITY SCREWS (JIS, DIN, ISO, etc)
SIZE/SHAPE OF RECESSED PART OF SCREW AND POINT SIZE/ SHAPE OF BIT DOES NOT MATCH EACH OTHER	MATCH THE SIZE/SHAPE EACH OTHER
HARDNESS OF BIT IS NOT APPROPRIATE FOR THE APPLICATION	USE HARDER BIT
LIFT UP THE TOOL WITH THE BIT TURNING FROM SCREW AFTER FASTENED	DISCONTACT OFF THE SCREW AFTER THE TOOL TURNING CEASED
INCOMPLETE BIT INSERTION TO SCREW HEAD	MAKE SURE TO INSERT THE TIP OF RIGHT POINT SIZE OF BIT TO THE SCREW HEAD BEFORE RUNNING

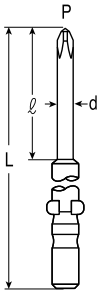
MARKETS

PRODUCTION INLINE TOOLS

φ4mm SHANK DRIVE

● FOR : DELVO, HIOS (FERRA TOOLS)



✚ = CROSS POINT =		EDP #	MODEL #	P × d × ℓ × L
		446001	D73	00×1.2×20× 40
		446002	D73	00×1.2×20× 60
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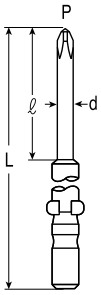
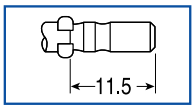
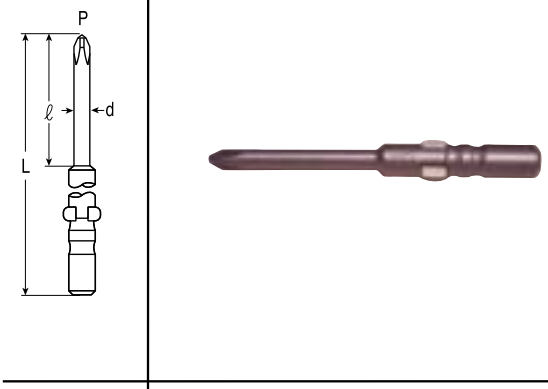
		483002	D73	00×1.5×20× 60
		446003	D73	00×1.6×20× 40
		446004	D73	00×1.7×20× 40
		446005	D73	00×1.7×20× 60
		483005	D73	00× 2 ×20× 40
		483006	D73	00× 2 ×20× 60
		446006	D73	00× 2 ×20× 80
		446007	D73	00× 2 ×25× 40
		446008	D73	00× 2 ×25× 60
		446009	D73	00× 2 ×25× 80
		446010	D73	00× 2 ×30× 60
		446011	D73	00× 2 ×30× 80
		446012	D73	00× 2 ×30×100
		446013	D73	00× 2 ×40× 60
		446014	D73	00× 2 ×40× 80
		446015	D73	00× 2 ×40×100
		446016	D73	0×1.4×20× 40
		446017	D73	0×1.4×20× 60
		446018	D73	0×1.4×20× 80
		446019	D73	0×1.4×30× 60
		446020	D73	0×1.4×30× 80
		446021	D73	0×1.4×30×100
		446022	D73	0×1.5×20× 40
		483010	D73	0×1.7×20× 40
		483011	D73	0×1.7×20× 60
		446023	D73	0×1.7×30× 60
		446024	D73	0×1.7×40× 80
		446025	D73	0× 2 ×20× 40
		446026	D73	0× 2 ×20× 60
		446027	D73	0× 2 ×20× 80
		446028	D73	0× 2 ×20×100
		446029	D73	0× 2 ×30× 60
		446030	D73	0× 2 ×30× 80
		446031	D73	0× 2 ×30×100
		446032	D73	0×2.0×35× 60



PRODUCTION INLINE TOOLS

● φ4mm SHANK DRIVE

● FOR : DELVO, HIOS (FERRA TOOLS)

✚ = CROSS POINT =	EDP #	MODEL #	P × d × ℓ × L
	483015	D73	0× 2.5 ×20× 40
	483016	D73	0× 2.5 ×20× 60
	446033	D73	0× 2.5 ×20× 80
	446034	D73	0× 2.5 ×20×100
	446035	D73	0× 2.5 ×30× 60
	446036	D73	0× 2.5 ×30× 80
	446037	D73	0× 2.5 ×30×100
	446038	D73	0× 3 ×20× 40
	446039	D73	0× 3 ×20× 60
	446040	D73	0× 3 ×20× 80
	446041	D73	0× 3 ×20×100
	446042	D73	0× 3 ×30× 80
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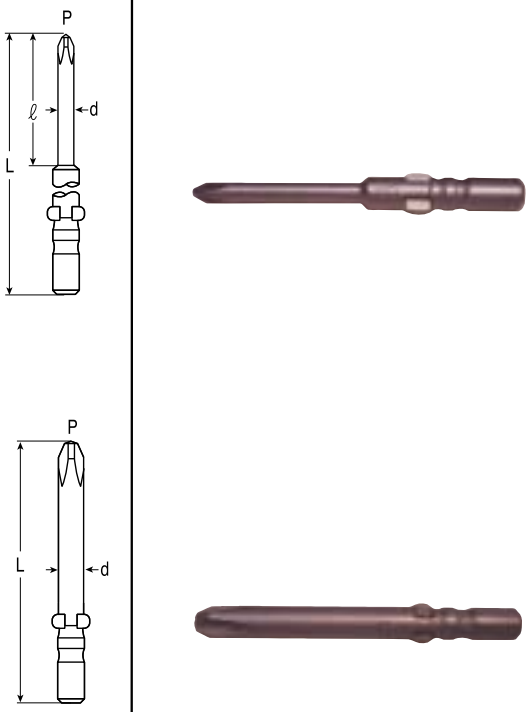
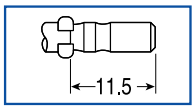
	446045	D73	0× 4 × 60
	446046	D73	1× 2.2 ×20× 40
	446047	D73	1× 2.2 ×30× 60
	446048	D73	1×2.5 ×20× 40
	446049	D73	1×2.5 ×20× 60
	446050	D73	1×2.5 ×30× 60
	446051	D73	1×2.5 ×30× 80
	446052	D73	1×2.5 ×30×100
	483021	D73	1× 3 ×20× 40
	446053	D73	1× 3 ×20× 60
	446054	D73	1× 3 ×20× 80
	446055	D73	1× 3 ×20×100
	446056	D73	1× 3 ×30× 60
	446057	D73	1× 3 ×30× 80
	446058	D73	1× 3 ×30×100
	483025	D73	1× 4 × 40
	446059	D73	1× 4 × 60
	446060	D73	1× 4 × 80
	446061	D73	1× 4 × 100
	446062	D73	1× 4 × 120
	446063	D73	2× 3 ×20× 40
	446064	D73	2× 3 ×20× 60
	446065	D73	2× 3 ×20× 80
	446066	D73	2× 3 ×30× 60
	446067	D73	2× 3 ×30× 80
	446068	D73	2× 3 ×30×100
	446069	D73	2× 3 ×30×120
	483031	D73	2× 4 × 40
	446070	D73	2× 4 × 60
	446071	D73	2× 4 × 80
	446072	D73	2× 4 × 100
	446073	D73	2× 4 × 120

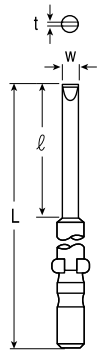
MARKETS

PRODUCTION INLINE TOOLS

φ4mm SHANK DRIVE

● FOR : DELVO, HIOS (FERRA TOOLS)



= PLAIN SLOT =	EDP #	MODEL #	w × t × ℓ × L
	446074	D73	1.1×0.28×20×40
	446075	D73	1.1×0.28×20×60
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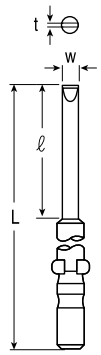
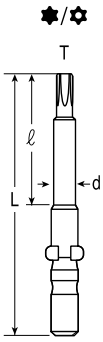
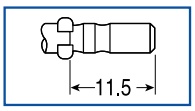
	446077	D73	1.3×0.28×20×40
	446078	D73	1.3×0.28×20×60
	446079	D73	1.3×0.28×20×80
	446080	D73	1.5×0.30×20×40
	446081	D73	1.5×0.30×20×60
	446082	D73	1.5×0.30×20×80
	446083	D73	1.7×0.30×20×40
	446084	D73	1.7×0.30×20×60
	446085	D73	1.7×0.30×20×80
	446086	D73	1.8×0.40×20×40
	446087	D73	1.8×0.40×20×60
	446088	D73	1.8×0.40×20×80
	446089	D73	2 ×0.40×20×40
	446090	D73	2 ×0.40×20×60
	446091	D73	2 ×0.40×20×80
	446092	D73	2.3×0.40×20× 40
	446093	D73	2.3×0.40×20× 60
	446094	D73	2.3×0.40×20× 80
	446095	D73	2.5×0.40×20× 40
	446096	D73	2.5×0.40×20× 60
	446097	D73	2.5×0.40×20× 80
	446098	D73	2.8×0.40×20× 40
	446099	D73	2.8×0.40×20× 60
	446100	D73	2.8×0.40×20× 80
	446101	D73	3 ×0.40×20× 40
	446102	D73	3 ×0.40×20× 60
	446103	D73	3 ×0.40×20× 80
	446104	D73	4 ×0.60× 40
	446105	D73	4 ×0.60× 60
	446106	D73	4 ×0.60× 80
= TORX® = (H = TAMPER PROOF)	**EDP #**	**MODEL #**	**T × d × ℓ × L**
	446107	D73	5 × 2 ×20× 40
	446108	D73	5 × 2 ×20× 60
	446109	D73	6 × 2 ×20× 40
	446110	D73	6 × 2 ×20× 60
	446111	D73	6 × 4 × 60
	446112	D73	6 × 4 × 100
	446113	D73	7 × 2 ×20× 60
	446114	D73	7 × 4 × 60
	446115	D73	7 × 4 × 100
	446116	D73	8H× 4 × 60
	446117	D73	8H× 4 × 100
	446118	D73	8H× 4 × 150
	446119	D73	10H× 4 × 60
	446120	D73	10H× 4 × 100
	446121	D73	10H× 4 × 150
	446122	D73	15H× 4 × 60
	446123	D73	15H× 4 × 100

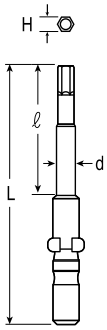
※ TORX・・・・We at VESSEL CO., INC. manufacture various TORX fastening tools with original technical data, and the production gages under the licence by CAMCAR TEXTRON INC.



PRODUCTION INLINE TOOLS

φ4mm SHANK DRIVE

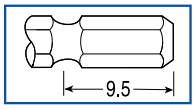
● FOR : DELVO, HIOS (FERRA TOOLS)

= HEXAGON HEAD =	EDP #	MODEL #	H × d × ℓ × L
	446124	D73	1.5×1.8×20×40
	446680	D73	1.5×1.8×20×60
	483051	D73	1.5× 2×20×60
	483052	D73	2× 3×20×60
	483053	D73	2.5× 3×20×60
	483054	D73	3× 4× 60

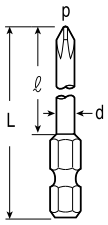
MARKETS

PRODUCTION INLINE TOOLS

⬢ 1/4" = 6.35mm HEX DRIVE



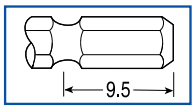
●FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI



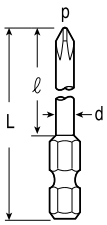
✚ = CROSS POINT =	EDP #	MODEL #	P × d × ℓ × L
	446125	B35	00×1.2×20× 40
	446126	B35	00×1.2×20× 60
	446127	B35	00×1.5×20× 40
	446128	B35	00×1.5×20× 60
	446129	B35	00×1.7×20× 40
	446130	B35	00×1.7×20× 60
	446131	B35	00×2 ×20× 40
	446132	B35	00×2 ×20× 60
	446133	B35	00×2 ×20× 80
	446134	B35	00×2 ×25× 60
	446135	B35	00×2 ×25× 80
	446136	B35	00×2 ×30× 60
	446137	B35	00×2 ×30× 80
	446138	B35	00× 2 ×30×100
	446139	B35	00× 2 ×40× 60
	446140	B35	00× 2 ×40× 80
	446141	B35	00× 2 ×40×100
	446142	B35	0×1.4×20× 40
	446143	B35	0×1.4×20× 60
	446144	B35	0×1.4×20× 80
	446145	B35	0×1.4×30× 60
	446146	B35	0×1.4×30× 80
	446147	B35	0×1.4×30×100
	446148	B35	0×1.7×20× 40
	446149	B35	0×1.7×20× 60
	446150	B35	0×1.7×30× 60
	446151	B35	0×1.7×40× 80
	446152	B35	0× 2 ×20× 40
	446153	B35	0× 2 ×20× 60
	446154	B35	0× 2 ×20× 80
	446155	B35	0× 2 ×20×100
	446156	B35	0× 2 ×30× 80
	446157	B35	0× 2 ×30×100
	446158	B35	0×2.5×20× 40
	446159	B35	0×2.5×20× 60
	446160	B35	0×2.5×20× 80
	446161	B35	0×2.5×20×100
	446162	B35	0×2.5×30× 80
	446163	B35	0×2.5×30×100
	446164	B35	0× 3 ×20× 40
	446165	B35	0× 3 ×20× 60
	446166	B35	0× 3 ×20× 80
	446167	B35	0× 3 ×20×100
	446168	B35	0× 3 ×30× 80
	446169	B35	0× 3 ×30×100
	446170	B35	0× 4 ×15× 40
	446171	B35	0× 4 ×35× 60
	446172	B35	1×2.2×20× 40
	446173	B35	1×2.2×30× 60
	446174	B35	1×2.3×20× 75

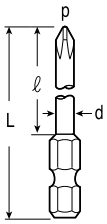
PRODUCTION INLINE TOOLS

⬢ 1/4" = 6.35mm HEX DRIVE

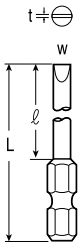


●FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI





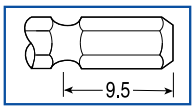
= CROSS POINT =	EDP #	MODEL #	P × d × ℓ × L
	446175	B35	1× 2.5×20× 40
	446176	B35	1× 2.5×20× 60
	446177	B35	1× 2.5×30× 60
	446178	B35	1× 2.5×30× 80
	446179	B35	1× 2.5×30×100
	446180	B35	1× 3 ×20× 40
	446181	B35	1× 3 ×20× 60
	446182	B35	1× 3 ×20× 80
	446183	B35	1× 3 ×20×100
	446184	B35	1× 3 ×30× 60
	446185	B35	1× 3 ×30× 80
	446186	B35	1× 3 ×30×100
	446187	B35	1× 3.2×30× 75
	446188	B35	1× 4 ×15× 40
	446189	B35	1× 4 ×35× 60
	446190	B35	1× 4 ×55× 80
	446191	B35	1× 4 ×75×100
	446192	B35	1× 4 ×95×120
	446193	B35	2× 3 ×20× 40
	446194	B35	2× 3 ×20× 60
	446195	B35	2× 3 ×20× 80
	446196	B35	2× 3 ×30× 60
	446197	B35	2× 3.2×30× 70
	446198	B35	2× 3 ×30× 80
	446199	B35	2× 3 ×30×100
	446200	B35	2× 3 ×30×120
	446201	B35	2×3.2 ×30× 75
	446202	B35	2× 4 ×15× 40
	446203	B35	2× 4 ×35× 60
	446204	B35	2× 4 ×55× 80
	446205	B35	2× 4 ×75×100
	446206	B35	2× 4 ×95×120
	446207	B35	2× 7 × 200



= PLAIN SLOT =	EDP #	MODEL #	W × t × ℓ × L
	446208	B35	1.1× 0.28×20× 40
	446209	B35	1.1× 0.28×20× 60
	446210	B35	1.1× 0.28×20× 80
	446211	B35	1.3× 0.28×20× 40
	446212	B35	1.3× 0.28×20× 60
	446213	B35	1.3× 0.28×20× 80
	446214	B35	1.5× 0.30×20× 40
	446215	B35	1.5× 0.30×20× 60
	446216	B35	1.5× 0.30×20× 80
	446217	B35	1.7× 0.30×20× 40
	446218	B35	1.7× 0.30×20× 60
	446219	B35	1.7× 0.30×20× 80

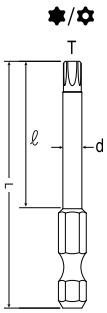
PRODUCTION INLINE TOOLS

⬢ 1/4" = 6.35mm HEX DRIVE



●FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI

⊖ = PLAIN SLOT =	EDP #	MODEL #	W × t × ℓ × L
	446220	B35	1.8×0.40×20×40
	446221	B35	1.8×0.40×20×60
	446222	B35	1.8×0.40×20×80
	446223	B35	2×0.40×20×40
	446224	B35	2×0.40×20×60
	446225	B35	2×0.40×20×80
	446226	B35	2.3×0.40×20×40
	446227	B35	2.3×0.40×20×60
	446228	B35	2.3×0.40×20×80
	446229	B35	2.5×0.40×20×40
	446230	B35	2.5×0.40×20×60
	446231	B35	2.5×0.40×20×80
	446232	B35	2.8×0.40×20×40
	446233	B35	2.8×0.40×20×60
	446234	B35	2.8×0.40×20×80
	446235	B35	3×0.40×20×40
	446236	B35	3×0.40×20×60
	446237	B35	3×0.40×20×80
	446238	B35	4×0.60×20×40
	446239	B35	4×0.60×20×60
	446240	B35	4×0.60×20×80

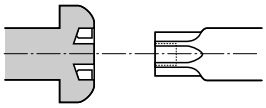


✸/✿ = TORX® = (H = TAMPER PROOF)	EDP #	MODEL #	T × d × ℓ × L
	446241	B35	5×2×20× 40
	446242	B35	5×2×20× 60
	446243	B35	6×2×20× 40
	446244	B35	6×2×20× 60
	446245	B35	6×4×35× 60
	446246	B35	6×4×75×100
	446247	B35	7×2×20× 60
	446248	B35	7×4×35× 60
	446249	B35	7×4×75×100
	446250	B35	8H×4×35× 60
	446251	B35	8H×4×75×100
	446252	B35	8H×4×125×150
	446253	B35	10H×4×35× 60
	446254	B35	10H×4×75×100
	446255	B35	10H×4×125×150
	446256	B35	15H×4×35× 60
	446257	B35	15H×4×75×100

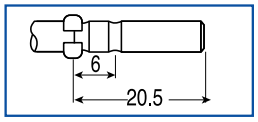
TORX® screw with Tamper Proof

TORX® screws with the centre of a screw hole projected are used in vulnerable places to prevent burglary and reduce danger.

Mainly used for handy-phones, wireless equipments, precision machineries and spare parts of automobiles.

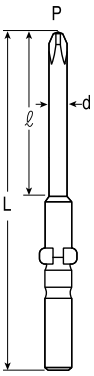


※ TORX・・・・We at VESSEL CO., INC. manufacture various TORX fastening tools with original technical data, and the production gages under the licence by CAMCAR TEXTRON INC.

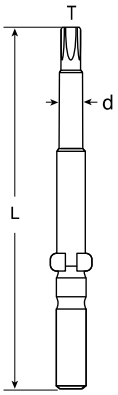


PRODUCTION INLINE TOOLS
φ5mm SHANK DRIVE

● FOR : HIOS (FERRA TOOLS)



✚ = CROSS POINT =	EDP #	MODEL #	P × d × ℓ × L
	483105	D76	00× 2 ×20× 60
	446258	D76	0×2.5×20× 40
	483115	D76	0×2.5×25× 60
	446259	D76	0×2.5×30× 80
	446260	D76	0× 3 ×30× 60
	446261	D76	0× 5 × 60
	446262	D76	1×2.6×30× 60
	446263	D76	1×2.6×30× 80
	446264	D76	1×2.6×30×100
	446265	D76	1×2.6×30×120
	446266	D76	1× 3 ×15× 40
	483121	D76	1× 3 ×30× 60
	446267	D76	1× 3 ×30× 80
	446268	D76	1× 3 ×30×100
	446269	D76	1× 3 ×30×120
	483125	D76	1× 5 × 60
	446270	D76	1× 5 × 80
	446271	D76	1× 5 × 100
	446272	D76	1× 5 × 120
	446273	D76	1× 5 × 150
	446274	D76	2× 3 ×20× 60
	446275	D76	2× 3 ×30× 60
	446276	D76	2× 3 ×30× 80
	446277	D76	2× 3 ×40×100
	446278	D76	2× 3 ×40×120
	483131	D76	2× 5 × 60
	446279	D76	2× 5 × 80
	446280	D76	2× 5 × 100
	446281	D76	2× 5 × 120
	446282	D76	2× 5 × 150
	446283	D76	2× 5 × 200



✱/✲ = TORX® = (H = TAMPER PROOF)	EDP #	MODEL #	T × d × L
	446284	D76	5 ×5×60
	446285	D76	6 ×5×60
	446286	D76	7 ×5×60
	446287	D76	8H×5×60
	446288	D76	10H×5×60
	446289	D76	15H×5×60

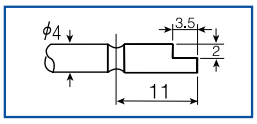
(NOTE : IN CASE YOU CANNOT FIND SUITABLE SIZE FOR YOUR APPLICATION, WE OFFER SPECIAL-MAKE BITS. PLEASE SEE THE PAGE OF "GENERAL INFORMATION - HOW TO ENQUIRE AND ORDER SPECIAL ITEM".)

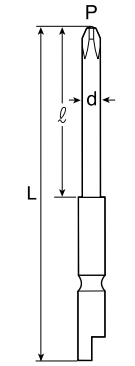
※ TORX・・・・We at VESSEL CO., INC. manufacture various TORX fastening tools with original technical data, and the production gages under the licence by CAMCAR TEXTRON INC.

MARKETS

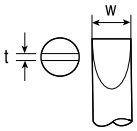
PRODUCTION INLINE TOOLS
φ4mm DRIVE

● FOR : DELVO

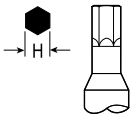




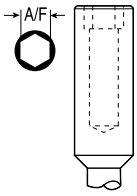
= CROSS POINT =	EDP #	MODEL #	P × d × ℓ × L
	446290	EPH201	0×1.8×20×44
	446291	EPH202	0×1.8×20×64
	446292	EPH203	00× 2 ×20×44
	446293	EPH204	00× 2 ×20×64
	446294	EPH205	0×2.5×20×44
	446295	EPH206	0×2.5×20×64
	446296	EPH207	1× 3 ×20×44
	446297	EPH208	1× 3 ×20×64
	446298	EPH209	1× 4 ×20×44
	446299	EPH210	1× 4 ×20×64
	446300	EPH211	2× 4 ×20×44
	446301	EPH212	2× 4 ×20×64
	446302	EPH213	3× 6 ×20×44



= PLAIN SLOT =	EDP #	MODEL #	w × t × ℓ × L
	446303	EPL221	2 ×0.3 ×20×44
	446304	EPL222	2.5×0.3 ×20×44
	446305	EPL223	3 ×0.4 ×20×44
	446306	EPL224	4 ×0.5 ×20×44
	446307	EPL225	5 ×0.65×20×44



= HEXAGON HEAD =	EDP #	MODEL #	H × L
	446308	EHW231	1.5×44
	446309	EHW232	2 ×44
	446310	EHW233	2.5×44
	446311	EHW234	3 ×44



= HEX SOCKET =	EDP #	MODEL #	A/F × L
	446312	EBX241	2.3×44
	446313	EBX242	2.5×44
	446314	EBX243	3 ×44
	446315	EBX244	4 ×44
	446316	EBX245	4.5×44
	446317	EBX246	5 ×44
	446318	EBX247	5.5×44

= TORX® = (H = TAMPER PROOF)	EDP #	MODEL #	T × L
	446319	ETX250	5 ×44
	446320	ETX251	5 ×64
	446321	ETX252	6 ×44
	446322	ETX253	6 ×64
	446323	ETX254	8H×44
	446324	ETX255	8H×64
	446325	ETX256	10H×44
	446326	ETX257	10H×64
	446327	ETX258	15H×44
	446328	ETX259	15H×64

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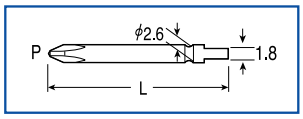
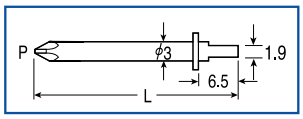


⊖ ϕ2.6mm DRIVE

● FOR : MATSUSHITA (NM-101, 101L)

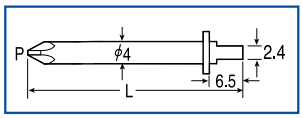
⊕ = CROSS POINT =	EDP #	MODEL #	P × L (HEAT TREATMENT)
	482051	D82	0× 31 H
	482052	D82	1× 31 H



⊖ ϕ3mm DRIVE

● FOR : VESSEL (GT-H2)

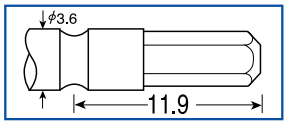
⊕ = CROSS POINT =	EDP #	MODEL #	P × L (HEAT TREATMENT)
	411021	A7	0× 36 H
	411022	A7	0× 70 H
	411023	A7	0×100 H
	411031	A7	1× 36 H
	411032	A7	1× 70 H
	411033	A7	1×100 H



⊖ ϕ4mm DRIVE

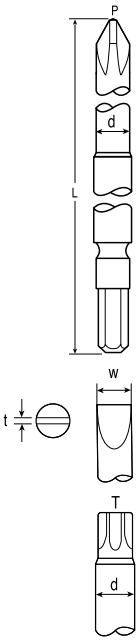
● FOR : VESSEL (GT-H3P)

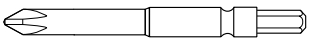
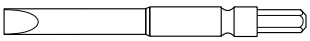
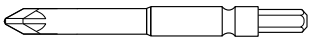
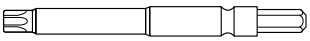
⊕ = CROSS POINT =	EDP #	MODEL #	P × L (HEAT TREATMENT)
	411231	A9	1× 40 H
	411232	A9	1× 70 H
	411241	A9	2× 40 H
	411242	A9	2× 70 H

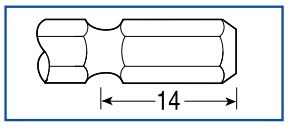


⬢ 3mm HEX DRIVE

● FOR : BIAX,BOSCH,DEPRAG,DESOUTTER

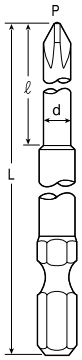


⊕ = CROSS POINT =	EDP #	MODEL #	P × d × L
	446645	D79	00× 2.5 × 50
	446646	D79	0× 2.5 × 50
	446647	D79	1× 4.0 × 50
⊖ = PLAIN SLOT =			**W × t × L**
	446648	D79	1.8× 0.3×50
	446649	D79	2.0× 0.4×50
	446650	D79	2.5× 0.4×50
	446651	D79	3.0× 0.5×50
	446652	D79	4.0× 0.5×50
	446653	D79	3.5× 0.6×50
	446654	D79	4.5× 0.6×50
	446655	D79	4.0× 0.8×50
	446656	D79	5.5× 0.8×50
✚ = POZIDRIV® =			**P × d × L**
	446657	D79	0× 3.0×50
	446658	D79	1× 4.0×50
✱ = TORX® =			**T × d × L**
	446659	D79	T6× 2.2×50
	446660	D79	T7× 2.2×50
	446661	D79	T8× 2.8×50
	446662	D79	T10× 3.0×50

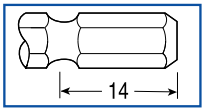


⬢ 5mm HEX DRIVE

● FOR : DELVO, HIOS (FERRA TOOLS), HITACHI, MATSUSHITA, URYU, YOKOTA

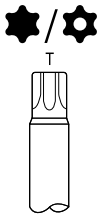


✚ = CROSS POINT =	EDP #	MODEL #	P × d × ℓ × L
	446329	B34	0× 2 ×30× 50
	446330	B34	0× 2 ×30× 75
	446331	B34	1×2.5×30× 50
	446332	B34	1×2.5×30× 75
	446333	B34	1×2.5×30×100
	446334	B34	1×3×30×70
	446335	B34	1× 4 ×30× 70
	446336	B34	1× 4 ×30×100
	446337	B34	1× 5 ×30× 70
	446338	B34	1× 5 ×30×100
	446339	B34	2× 3 ×30× 50
	446340	B34	2× 3 ×30× 75
	446341	B34	2× 3 ×30×100
	446342	B34	2× 3 ×30×150
	446343	B34	2×3.5×30× 75
	446344	B34	2× 4 ×30× 70
	446345	B34	2× 5 ×30× 70
	446346	B34	2× 5 ×30×100



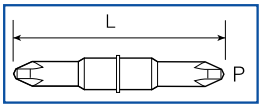
⬢ 5mm HEX DRIVE

●FOR : DELVO, HIOS (FERRA TOOLS), HITACHI, MATSUSHITA, URYU, YOKOTA



✱/✲ = TORX® = (H = TAMPER PROOF)	EDP #	MODEL #	T × d × L
	446347	B34	6× 2 × 30× 75
	446348	B34	6× 2 × 30× 100
	446349	B34	8H× 2.5 ×30 × 75
	446350	B34	8H×2.5 ×30 × 100
	446351	B34	10H× 3 ×30 × 75
	446352	B34	10H× 3 ×30 ×100
	446353	B34	15H× 3.5 ×30 × 75
	446354	B34	15H× 3.5 ×30 × 100

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



DOUBLE END INSERT BITS WITH ● φ7mm ROUND SHANK

● FOR : 3307 & 3407

✚ = CROSS POINT = ✚ DIN5260-PH CROSS POINT	EDP #	MODEL #	P × L
	489126	3101/50	1×50
	489127	3102/50	2×50
	489128	3103/50	3×50

DOUBLE END BIT HOLDERS

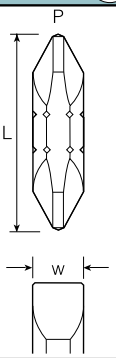
● FOR : 3101/50, 3102/50, 3103/50

○ = 1/4" HEX SHANK DRIVE =	EDP #	MODEL #	O . A . L .
	489129	3307/50	50
○ = 5/16" HEX SHANK DRIVE =	**EDP #**	**MODEL #**	**O . A . L .**
	489130	3407/50	50

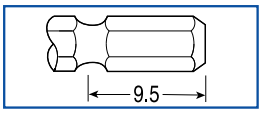
THRIFTY DOUBLE END BITS WITH ⬢ 1/4" = 6.35mm HEX SHANK

DIN 3126-C6.35

● FOR : DBH (M)-01 & DBH (M)-02



✚ = CROSS POINT = ✚ DIN5260-PH CROSS POINT	EDP #	MODEL #	P × L
	482435	P1D	1×30
	482436	P2D	2×30
	482437	P3D	3×30
✚ = POZIDRIV = ✚ DIN5260-PZ POZIDRIV	**EDP #**	**MODEL #**	**P × L**
	482438	PZ1D	1×30
	482439	PZ2D	2×30
	482440	PZ3D	3×30
— = PLAIN SLOT = — DIN5264-PLAIN SLOT	**EDP #**	**MODEL #**	**w × L**
	482441	4MMD	4×30
	482442	5MMD	5×30
	482443	6MMD	6×30



DIN 3126-E6.35

● DOUBLE END BIT HOLDERS

● FOR : P1D, P2D, P3D, PZ1D, PZ2D, PZ3D, 4MMD, 5MMD, 6MMD

⬡ = 1/4" HEX SHANK DRIVE = DIN3126-D6.35	EDP #	MODEL #	O . A . L .
	482431	DBH-01 (NON MAGNETIC)	60
	482433	DBHM-01 (MAGNETIC)	60
	482432	DBH-02 (NON MAGNETIC)	62
	482434	DBHM-02 (MAGNETIC)	62

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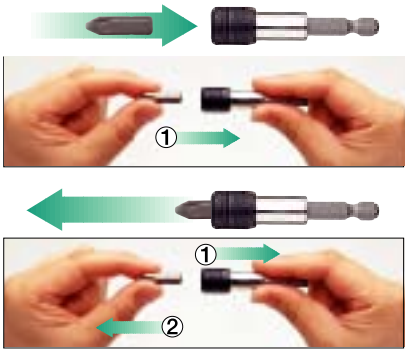
VESSEL DOUBLE END BIT HOLDING SYSTEM

VESSEL offers you our unique bit holding system by Thrifty Double End Bits and Precision Engineering Double End Bit Holders DBH(M)-02.

Save your bits and holders if you were to waste by replacing with this unique Double End Bit Holding System.

MODEL : DBHM-02(Magnetic)
DBH-02(Non Magnetic)

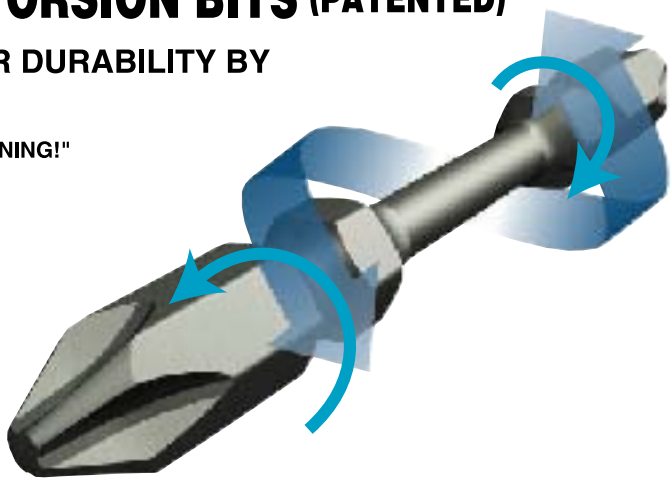


VESSEL TORSION BITS (PATENTED)

LONGER BIT-LIFE & HIGHER DURABILITY BY NEW TORSION ZONE !!!

"BETTER CONFORMITY TO YOUR FASTENING!"

Our unique shape of Torsion Zone absorbs surplus torque stress on the tip and prolongs the bit-life dramatically!
VESSEL Torsion Bits ensure steady screw fastening job.



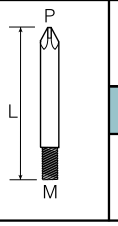
⬢ 1/4" = 6.35mm HEX DRIVE

SUITABLE POWER TOOLS
BT43 : same as B43 series (see page 15)
AT14 : same as A14 series (see page 18)
BT39 : same as B35 & B39 series (see page 25)

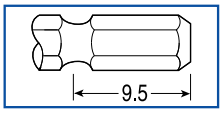
✚ = CROSS POINT =	EDP #	MODEL #	P × d × L
	425161	BT43	2×3.5×75H
	425162	BT43	2×3.5×100H
	413143	AT14	2×3.5× 65H
	413144	AT14	2×3.5×110H
	446355	BT39	2×3.5×70（2-3/4"）
	446356	BT39	2×3.5×90（3-1/2"）

SCREW SHANK DRIVE BITS

FOR : 3990/84



= CROSS POINT = DIN 5260-PH CROSS POINT	EDP #	MODEL #	P × L × M (THREAD SIZE)
	489651	3391/45	1×45×3/16"-32
	489652	3392/45	2×45×3/16"-32
= POZIDRIV = DIN 5260-PZ POZIDRIV	EDP #	MODEL #	P × L × M (THREAD SIZE)
	489653	3391/45PZ	1×45×3/16"-32
	489654	3392/45PZ	2×45×3/16"-32



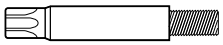
DIN 3126-E6.35

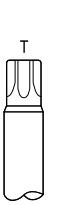
SCREW SHANK DRIVE BIT HOLDERS

3390/84 : 3391/45, 3392/45, 3391/45PZ, 3392/45PZ
3490/84 : SCREW SHANK DRIVE BITS WITH THREAD SIZE M4
3590/84 : SCREW SHANK DRIVE BITS WITH THREAD SIZE M5

= 1/4" HEX SHANK DRIVE =	EDP #	MODEL #	O . A . L .
	489655	3390/84	84
	446357	3490/84	84
	446358	3590/84	84

SCREW SHANK DRIVE BITS

= CROSS POINT = DIN 5260-PH CROSS POINT	EDP #	MODEL #	P × L × M (THREAD SIZE)
	489656	3491/34	1× 34×M4
	489657	3492/34	2× 34×M4
	489660	3491/45	1× 45×M4
	489661	3492/45	2× 45×M4
	489662	3591/34	1× 34×M5
	489663	3592/34	2× 34×M5
	489666	3591/45	1× 45×M5
	489667	3592/45	2× 45×M5
	483301	D61	2× 74×M5
	483302	D61	2× 74×M6
	483303	D62	2×100×M6
= POZIDRIV = DIN 5260-PZ POZIDRIV	EDP #	MODEL #	P × L × M (THREAD SIZE)
	489658	3491/34PZ	1× 34×M4
	489659	3492/34PZ	2× 34×M4
	489664	3591/34PZ	1× 34×M5
	489665	3592/34PZ	2× 34×M5
	489668	3591/45PZ	1× 45×M5
	489669	3592/45PZ	2× 45×M5
= PLAIN SLOT =	EDP #	MODEL #	w × L × M (THREAD SIZE)
	489670	3597/34	7× 34×M5
= TORX® =	EDP #	MODEL #	T × L × M (THREAD SIZE)
	446359	FT3408/34	T8× 34×M4
	446360	FT3409/34	T9× 34×M4
	446361	FT3410/34	T10× 34×M4
	446362	FT3415/34	T15× 34×M4
	446363	FT3510/45	T10× 45×M5
	446364	FT3515/45	T15× 45×M5
	446365	FT3520/45	T20× 45×M5
	446366	FT3525/45	T25× 45×M5



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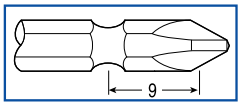
※ TORX · · · · We at VESSEL CO., INC. manufacture various TORX fastening tools with original technical data, and the production gages under the licence by CAMCAR TEXTRON INC.



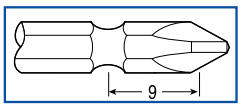
DIN 3126-E6.35

⬢ 1/4" = 6.35mm HEX DRIVE

● FOR : FUJI, HITACHI, MAKITA, NPK, TONICHI, URYU, YOKOTA, YUTANI

✚ = CROSS POINT = ✚ DIN5260-PH CROSS POINT	EDP #	MODEL #	P × L (HEAT TREATMENT)
	489131	3111/45	1×45H
	425032	B43	1×75H
	425031	B43	1×75X
	446367	B43	1×100H
	446368	B43	1×150H
	489132	3112/45	2×45H
	425036	B43	2×50X
	425037	B43	2×50H
	425038	B43	2×50E
	446369	B43	2×65H
	446370	B43	2×65G
	425039	B43	2×75X
	425040	B43	2×75H
	425041	B43	2×75G
	425042	B43	2×75E
	425046	B43	2×100X
	425047	B43	2×100H
	425043	B43	2×100G
	425044	B43	2×100E
	425048	B43	2×150X
	425049	B43	2×150H
	425045	B43	2×150G
	446371	B43	2×180G
	425050	B43	2×200G
	446372	B43	2×250H

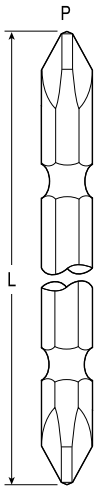
(MAGNETIC TYPE)	EDP #	MODEL #	P × L (HEAT TREATMENT)
	446663	M-B43	1×75H
	446664	M-B43	1×100H
	446665	M-B43	1×150H
	446666	M-B43	2×50H
	446667	M-B43	2×65H
	446668	M-B43	2×65G
	446669	M-B43	2×75H
	446670	M-B43	2×75G
	446671	M-B43	2×75E
	446672	M-B43	2×100H
	446673	M-B43	2×150H



DIN 3126-E6.35

⬢1/4" = 6.35mm HEX DRIVE

● FOR : FUJI, HITACHI, MAKITA, NPK, TONICHI, URYU, YOKOTA, YUTANI



✚ = CROSS POINT = ✚ DIN 5260-PH CROSS POINT	EDP #	MODEL #	P × L (HEAT TREATMENT)
	446373	B43	2×300 H
	446374	B43	3×65G
	425054	B43	3× 75 H
	425055	B43	3× 75 E
	425057	B43	3×100 H
	425058	B43	3×100 E
	446375	B43	3×150H
	446644	B43	3×150E
(MAGNETIC TYPE)	**EDP #**	**MODEL #**	**P × L (HEAT TREATMENT)**
	446674	M-B43	3×75H
	446675	M-B43	3×75E
	446676	M-B43	3×100H
	446677	M-B43	3×100E
	446678	M-B43	3×150H
	446679	M-B43	3×150E
(HEAVY DUTY TYPE)	**EDP #**	**MODEL #**	**P × L (HEAT TREATMENT)**
	425151	B43H	2× 75 H
	425153	B43H	2×100 H
	425155	B43H	2×150 H
(SUPER HEAVY DUTY TYPE)	**EDP #**	**MODEL #**	**P × L (HEAT TREATMENT)**
	425141	B43B	2× 50 S
	425142	B43B	2× 75 S
	425143	B43B	2×100 S
	425144	B43B	2×150 S
✚ = POZIDRIV® = ✚ DIN 5260-PZ POZIDRIV	**EDP #**	**MODEL #**	**P × L**
	489133	3111/45PZ	1× 45
	489141	3111/75PZ	1× 75
	489134	3112/45PZ	2× 45
	489142	3112/75PZ	2× 75

(NOTE : MAGNETIC TYPE AVAILABLE UPON YOUR ORDER SPECIFIED)

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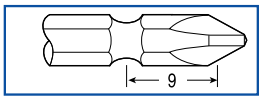
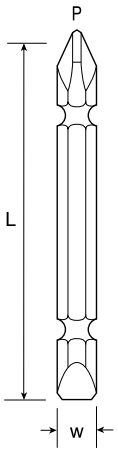


DIN 3126-E6.35

⬢1/4" = 6.35mm HEX DRIVE

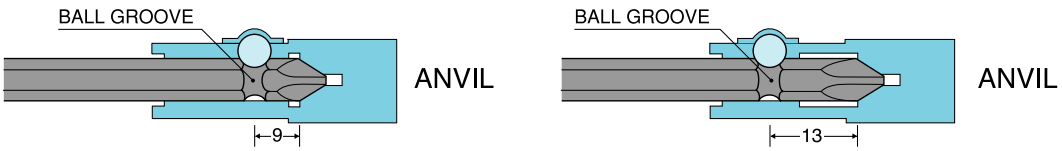
● FOR : FUJI, HITACHI, MAKITA, NPK, TONICHI, URYU, YOKOTA, YUTANI

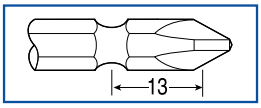


DIN 5260-PH CROSS POINT ✚ = COMBINATION = ⊖ DIN 5264-C	EDP #	MODEL #	P × w × L
	489135	3145/45	1×4.5×45
	489136	3106/45	2× 6 ×45
	489143	3145/75	1×4.5×75
	489144	3106/75	2× 6 ×75
(STRAIGHT TYPE)	**EDP #**	**MODEL #**	**P × w × L**
	489147	3106/1/48	1× 6 ×48
	489148	3106/2/48	2× 6 ×48
	489149	3106/3/48	3× 6 ×48
DIN 5260-PZ POZIDRIV ✱ = COMBINATION = ⊖ DIN 5264-C	**EDP #**	**MODEL #**	**P × w × L**
	489137	3145/45PZ	1×4.5×45
	489138	3106/45PZ	2× 6 ×45
	489145	3145/75PZ	1×4.5×75
	489146	3106/75PZ	2× 6 ×75
■ = SQUARE HEAD = ■	**EDP #**	**MODEL #**	**P (SIZE) × L**
	446376	RD-150	1 (3/32") × 50
	446377	RD-175	1 (3/32") × 75
	446378	RD-1100	1 (3/32") ×100
	446379	RD-250	2 (1/8") × 50
	446380	RD-275	2 (1/8") × 75
	446381	RD-2100	2 (1/8") ×100
	446382	RD-2150	2 (1/8") ×150
	446383	RD-350	3 (9/64") × 50
	446384	RD-375	3 (9/64") × 75
	446385	RD-3100	3 (9/64") ×100

(NOTE : MAGNETIC TYPE AVAILABLE UPON YOUR ORDER SPECIFIED)

Size of Insertion Part : The indicated size is determined in accordance with the condition when a bit is inserted into the anvil of power tool.

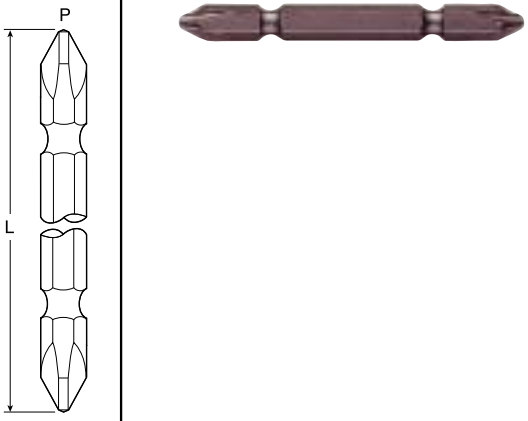




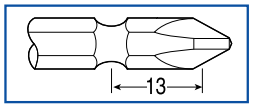
⬢ 1/4" = 6.35mm HEX DRIVE

●FOR : MAKITA, MATSUSHITA, MAX, NITTO-KOKI, NPK, RYOBI, TONICHI, TOSHIBA, VESSEL, YUTANI

✚ = CROSS POINT = ✚	EDP #	MODEL #	P × L (HEAT TREATMENT)
	413029	A14	1× 45 H
	413030	A14	1× 65 X
	413031	A14	1× 65 H
	413032	A14	1× 65 G
	413230	A14	1×110 X
	413231	A14	1×110 H
	413232	A14	1×110 G
	413039	A14	2× 45 X
	413041	A14	2× 45 H
	413040	A14	2× 45 G
	413047	A14	2× 65 X
	413042	A14	2× 65 H
	413043	A14	2× 65 G
	413045	A14	2× 65 E
	413262	A14	2×110 X
	413241	A14	2×110 H
	413242	A14	2×110 G
	413243	A14	2×110 E
	413263	A14	2×150 X
	413245	A14	2×150 H
	413246	A14	2×150 G
	413247	A14	2×150 E
	413264	A14	2×200 X
	413249	A14	2×200 H
	413248	A14	2×200 G
	413250	A14	2×200 E
	413255	A14	2×300 G
	413049	A14	3× 45 X
	413051	A14	3× 45 H
	413050	A14	3× 45 E
	413054	A14	3× 65 X
	413052	A14	3× 65 H
	413053	A14	3× 65 E
	413266	A14	3×110 X
	413252	A14	3×110 H
	413251	A14	3×110 E

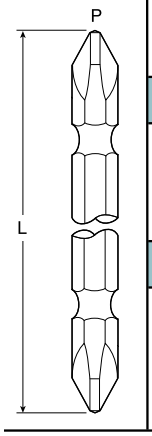


(MAGNETIC TYPE)	EDP #	MODEL #	P × L (HEAT TREATMENT)
	413401	M-A14	1× 45 H
	413402	M-A14	1× 65 H
	413407	M-A14	1×110 H
	413403	M-A14	2× 45 H
	413404	M-A14	2× 45 G
	413405	M-A14	2× 65 H
	413406	M-A14	2× 65 G
	413408	M-A14	2×110 H
	413411	M-A14	2×110 G
	413409	M-A14	2×150 H

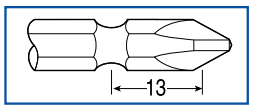


⬢ 1/4" = 6.35mm HEX DRIVE

●FOR : MAKITA, MATSUSHITA, MAX, NITTO-KOKI, NPK, RYOBI, TONICHI, TOSHIBA, VESSEL, YUTANI

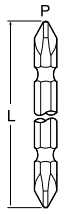


✚ = CROSS POINT = ✚ (HEAVY DUTY TYPE)	EDP #	MODEL #	P × L (HEAT TREATMENT)
	413351	A14H	2× 65 H
	413355	A14H	2×110 H
	413359	A14H	2×150 H
(SUPER HEAVY DUTY TYPE)	**EDP #**	**MODEL #**	**P × L (HEAT TREATMENT)**
	413141	A14B	2× 50 S
	413142	A14B	2× 75 S
	413341	A14B	2×100 S
	413342	A14B	2×150 S
✚ = SUPADRIV = ✚	**EDP #**	**MODEL #**	**P × L (HEAT TREATMENT)**
	636101	A14	1× 65 H
	636105	A14	2× 45 H
	636106	A14	2× 65 H
	636107	A14	2×110 H
	636111	A14	3× 65 H

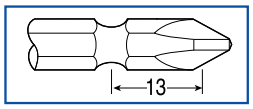


⬢ 8mm HEX DRIVE

● FOR : HITACHI, MATSUSHITA, VESSEL

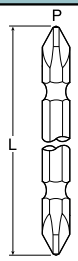


✚ = CROSS POINT = ✚	EDP #	MODEL #	P × L (HEAT TREATMENT)
	414041	A15	2× 65 G
	446386	A15	2× 65 H
	414042	A15	2×110 G
	446387	A15	2×110 H
	414051	A15	3× 65 E
	414052	A15	3×110 E

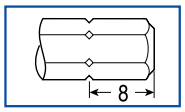


⬢ 5mm HEX DRIVE

● FOR : DELVO, HITACHI, HIOS (FERRA TOOLS), MATSUSHITA, URYU, YOKOTA



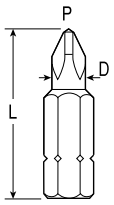
✚ = CROSS POINT = ✚	EDP #	MODEL #	P × L (HEAT TREATMENT)
	423035	B36	1× 70 X
	423031	B36	1× 70 H
	423036	B36	1×100 X
	423032	B36	1×100 H
	423041	B36	2× 70 H
	423046	B36	2×100 X
	423042	B36	2×100 H
	423047	B36	2×150 X
	423043	B36	2×150 H
	446388	B36	2× 300H

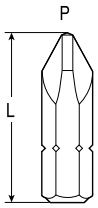


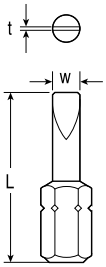
DIN 3126-C6.35

⬢ 1/4" = 6.35mm HEX SHANK

● FOR : 1/4" HEX OPENING BIT HOLDERS



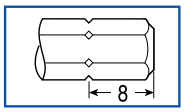




= CROSS POINT = DIN 5260-PH CROSS POINT	EDP #	MODEL #	P × D × L
	489001	3000/25	0× 3 ×25
	489002	3001R/25	1×4.5×25
	489003	3002R/25	2× 6 ×25
	489017	3001R/50	1×4.5×50
	489018	3002R/50	2× 6 ×50
= CROSS POINT = DIN 5260-PH CROSS POINT	**EDP #**	**MODEL #**	**P × L**
	487105	1001	1×1" (25.4mm)
	487106	1002	2×1" (25.4mm)
	487107	1003	3×1" (25.4mm)
	487110	1022	2×1-1/2" (38.1mm)
	489019	3001/50	1×50
	489020	3002/50	2×50
	489021	3003/50	3×50
	487112	1042	2×2-1/2" (63.5mm)
= POZIDRIV = DIN 5260-PZ POZIDRIV	**EDP #**	**MODEL #**	**P × L**
	487115	1001PZ	1×1" (25.4mm)
	487116	1002PZ	2×1" (25.4mm)
	487117	1003PZ	3×1" (25.4mm)
	489022	3001/50PZ	1×50
	489023	3002/50PZ	2×50
	489024	3003/50PZ	3×50
= PLAIN SLOT = (METRIC) DIN 5260-PLAIN SLOT	**EDP #**	**MODEL #**	**w × t × L**
	489061	5603/25	3 ×0.5 ×25
	489678	5635/25	3.5×0.55×25
	489062	5604/25	4 ×0.6 ×25
	489063	5645/25	4.5×0.7 ×25
	489064	5605/25	5 ×0.75×25
	446389	5655/25	5.5×0.8 ×25
	489065	5606/25	6 ×0.85×25
	489679	5665/25	6.5×0.85×25
	489066	5607/25	7 ×0.9 ×25
	489680	5675/25	7.5×0.95×25
	489067	5608/25	8 × 1 ×25
	489068	5603/39	3 ×0.5 ×39
	489069	5635/39	3.5×0.55×39
	489070	5604/39	4 ×0.6 ×39
	489071	5645/39	4.5×0.7 ×39
	489072	5605/39	5 ×0.75×39
	489073	5655/39	5.5×0.8 ×39
	489074	5606/39	6 ×0.85×39
	489075	5665/39	6.5×0.85×39
	489076	5607/39	7 ×0.9 ×39
	489077	5675/39	7.5×0.95×39
	489078	5608/39	8 × 1 ×39
	489079	5685/39	8.5×1.1 ×39
	489080	5609/39	9 ×1.15×39
	489081	5610/39	10 ×1.2 ×39

※ POZIDRIV · · · · POZIDRIV system is patented and registered as the trademark of EIS corp. in U.K. We at VESSEL CO., INC. has a manufacturing license in Japan and selling same to the world.

MARKETS

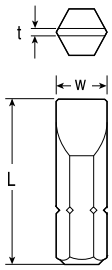


DIN 3126-C6.35

1/4" = 6.35mm HEX SHANK

● FOR : 1/4" HEX OPENING BIT HOLDERS

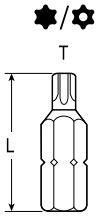
= PLAIN SLOT = (INCH)



EDP #	MODEL #	w × t × L
487120	1501	3/16"×.034"×1" (25.4mm)
487121	1502	7/32"×.040"×1" (25.4mm)
487122	1503	1/4"×.042"×1" (25.4mm)
487123	1504	9/32"×.046"×1" (25.4mm)

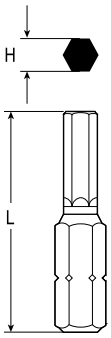
BLADE WIDTH (APPROX.)		BLADE THICKNESS (APPROX.)	
in.	mm	in.	mm
3/16	4.76	0.034	0.86
7/32	5.56	0.040	1.02
1/4	6.35	0.042	1.07
9/32	7.14	0.046	1.17

= TORX® = (H = TAMPER PROOF)



EDP #	MODEL #	T × L
489156	T06/25	6 ×25
489157	T07/25	7 ×25
489158	T08/25	8 ×25
489159	T09/25	9 ×25
489160	T10/25	10 ×25
489161	T15/25	15 ×25
489162	T20/25	20 ×25
489163	T25/25	25 ×25
489164	T27/25	27 ×25
489165	T30/25	30 ×25
489166	T40/25	40 ×25
446390	TF06/25	6H×25
446391	TF07/25	7H×25
446392	TF08/25	8H×25
446393	TF09/25	9H×25
489167	TF10/25	10H×25
489168	TF15/25	15H×25
489169	TF20/25	20H×25
486170	TF25/25	25H×25
489171	TF27/25	27H×25
489172	TF30/25	30H×25
446394	TF40/25	40H×25

= HEXAGON HEAD = (METRIC)

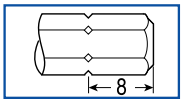


EDP #	MODEL #	H × L
489051	3032/25	2 ×25
489052	30325/25	2.5×25
489053	3033/25	3 ×25
489054	3034/25	4 ×25
489055	3035/25	5 ×25
489056	3036/25	6 ×25
489057	3038/25	8 ×25
487142	21004	4×1-5/16" (33.3mm)
487143	21005	5×1-5/16" (33.3mm)
487144	21006	6×1-5/16" (33.3mm)
487145	21008	8×1-1/4" (31.8mm)

= HEXAGON HEAD = (METRIC,TAMPER PROOF)

EDP #	MODEL #	H × L
446395	3032 F/25	2 ×25
446396	30325 F/25	2.5×25
446397	3033 F/25	3 ×25
446398	3034 F/25	4 ×25
446399	3035 F/25	5 ×25
446400	3036 F/25	6 ×25
446401	3038 F/25	8 ×25

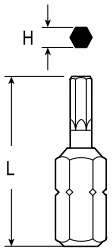
※ TORX・・・・We at VESSEL CO., INC. manufacture various TORX fastening tools with original technical data, and the production gages under the licence by CAMCAR TEXTRON INC.

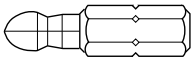
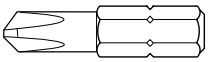


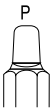
DIN 3126-C6.35

⬢ 1/4" = 6.35mm HEX SHANK

● FOR : 1/4" HEX OPENING BIT HOLDERS

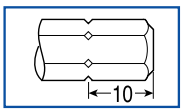


⬢ = HEXAGON HEAD = (INCH)	EDP #	MODEL #	H × L
	487130	2001	1/8"×1" (25.4mm)
	487131	2002	9/64"×1" (25.4mm)
	487132	2003	5/32"×1-5/16" (33.3mm)
	487133	2004	3/16"×1-5/16" (33.3mm)
	487134	2005	7/32"×1-5/16" (33.3mm)
	487135	2006	1/4"×1-5/16" (33.3mm)
	487136	2007	5/16"×1-1/4" (31.8mm)
⬢ = Ballpoint = (METRIC)	**EDP #**	**MODEL #**	**H× L**
	446402	3720/25	2 ×1" (25.4mm)
	446403	3725/25	2.5×1" (25.4mm)
	446404	3730/25	3 ×1" (25.4mm)
	446405	3740/25	4 ×1" (25.4mm)
	446406	3750/25	5 ×1" (25.4mm)
	446407	3760/25	6 ×1" (25.4mm)
	446408	3780/25	8 ×1" (25.4mm)
■ = SQUARE HEAD =	**EDP #**	**MODEL #**	**P (SIZE) × L**
	446409	3000/25 RTS	0×1" (25.4mm)
	487150	3001	1 ×1" (25.4mm)
	487151	3002	2 ×1" (25.4mm)
	487152	3003	3 ×1" (25.4mm)
	446410	3004/25 RTS	4 ×1" (25.4mm)
= AIRCRAFT 3-W =	**EDP #**	**MODEL #**	**P × L**
	446411	4001	1×1" (25.4mm)
	446412	4002	2×1" (25.4mm)
	446413	4003	3×1" (25.4mm)
	446414	4004	4×1" (25.4mm)
= 4-WING =	**EDP #**	**MODEL #**	**P × L**
	446415	3006/25 TQS	6×1" (25.4mm)
	446416	3008/25 TQS	8×1" (25.4mm)
	446417	3010/25 TQS	10×1" (25.4mm)



AIRCRAFT 3-W

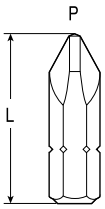
Conventional fastening system for aircraft industry.



DIN 3126-C8

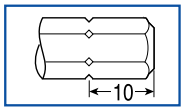
⬢ 5/16 " = 8mm HEX SHANK

● FOR : 5/16" HEX OPENING BIT HOLDERS



✚ = CROSS POINT = DIN 5260-PH CROSS POINT	EDP #	MODEL #	P × L
	487160	1051	1×1-1/4" (31.8mm)
	487161	1052	2×1-1/4" (31.8mm)
	487162	1053	3×1-1/4" (31.8mm)
	489091	3012/35	2×35
	489092	3013/35	3×35
	489093	3014/35	4×35
✱ = POZIDRIV = DIN 5260-PZ POZIDRIV	**EDP #**	**MODEL #**	**P × L**
	487165	1051PZ	1×1-1/4" (31.8mm)
	487166	1052PZ	2×1-1/4" (31.8mm)
	487167	1053PZ	3×1-1/4" (31.8mm)
	489094	3012/35PZ	2×35
	489095	3013/35PZ	3×35
	489096	3014/35PZ	4×35

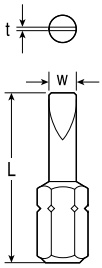
※ POZIDRIV · · · · POZIDRIV system is patented and registered as the trademark of EIS corp. in U.K. We at VESSEL CO., INC. has a manufacturing license in Japan and selling same to the world.



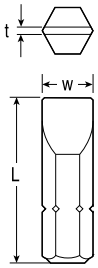
DIN 3126-C8

⬢ 5/16" = 8mm HEX SHANK

● FOR : 5/16" HEX OPENING BIT HOLDERS

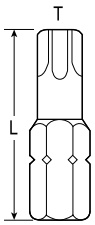


= PLAIN SLOT = (METRIC) DIN 5264-C	EDP #	MODEL #	w × t × L
	489111	5705/41	5 ×0.8×41
	489112	5755/41	5.5×0.8×41
	489113	5706/41	6 ×1.1×41
	489114	5765/41	6.5×1.1×41
	489115	5707/41	7 ×1.1×41
	489116	5775/41	7.5×1.1×41
	489117	5708/41	8 ×1.2×41
	489118	5709/41	9 ×1.6×41
	489119	5710/41	10 ×1.6×41
	489120	5712/41	12 ×2.1×41
	489121	5714/41	14 ×2.1×41

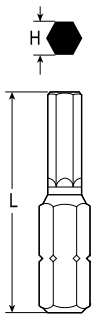


(INCH)	EDP #	MODEL #	w × t × L
	487170	1511	3/16"×.034"×1-1/2" (38.1mm)
	487171	1512	7/32"×.040"×1-1/2" (38.1mm)
	487172	1513	1/4"×.042"×1-1/2" (38.1mm)
	487173	1514	9/32"×.046"×1-1/2" (38.1mm)
	487174	1515	5/16"×.050"×1-1/2" (38.1mm)
	487175	1516	23/64"×.055"×1-1/2" (38.1mm)

BLADE WIDTH (APPROX.)		BLADE THICKNESS (APPROX.)	
in.	mm	in.	mm
3/16	4.76	0.034	0.86
7/32	5.56	0.040	1.02
1/4	6.35	0.042	1.07
9/32	7.14	0.046	1.17
5/16	7.94	0.050	1.27
23/64	9.13	0.055	1.40



= TORX® =	EDP #	MODEL #	T × L	
	446418	T10530	30×1-1/4"	(31.8mm)
	446419	T10540	40×1-1/4"	(31.8mm)
	446420	T10545	45×1-1/4"	(31.8mm)
	446421	T10550	50×1-1/4"	(31.8mm)
	446422	T10555	55×1-1/4"	(31.8mm)
	489173	T40/35	40×35	
	489174	T45/35	45×35	
	489175	T50/35	50×35	
	489176	T55/35	55×35	

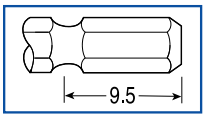


= HEXAGON HEAD = (METRIC)	EDP #	MODEL #	H × L
	489101	3043/34	3×34
	489102	3044/34	4×34
	489103	3045/34	5×34
	489104	3046/34	6×34
	489105	3048/34	8×34
	489106	3050/34	10×34
	489107	3052/34	12×34

(INCH)	EDP #	MODEL #	H × L	
	487180	2011	5/32"×1-5/16"	(33.3mm)
	487181	2012	3/16"×1-5/16"	(33.3mm)
	487182	2013	7/32"×1-5/16"	(33.3mm)
	487183	2014	1/4"×1-5/16"	(33.3mm)
	487184	2015	5/16"×1-5/16"	(33.3mm)
	487185	2016	3/8"×1-5/16"	(33.3mm)

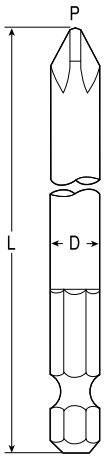
※ TORX・・・We at VESSEL CO., INC. manufacture various TORX fastening tools with original technical data, and the production gages under the licence by CAMCAR TEXTRON INC.

⬢ 1/4" = 6.35mm HEX DRIVE



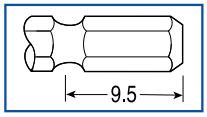
DIN 3126-E6.35

● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI

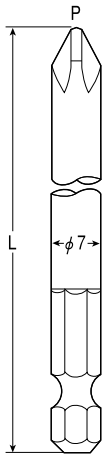


✚ = CROSS POINT = DIN 5260-PH CROSS POINT	EDP #	MODEL #	P × D × L
	446423	10600	00×2/32" ×1-15/16" (49mm)
	487195	1060	0×1/8" ×1-15/16" (49mm)
	487200	1061	1×3/16" ×1-15/16" (49mm)
	446424	1062R	2×3/16" ×1-15/16" (49mm)
	487205	1062	2×1/4" ×1-15/16" (49mm)
	487210	1063	3×5/16" ×1-15/16" (49mm)
	487201	1071	1×3/16" ×2-3/4" (70mm)
	487206	1072	2×1/4" ×2-3/4" (70mm)
	487211	1073	3×5/16" ×2-3/4" (70mm)
	487202	1081	1×3/16" ×3-1/2" (89mm)
	487207	1082	2×1/4" ×3-1/2" (89mm)
	487212	1083	3×5/16" ×3-1/2" (89mm)
	487203	1091	1× (3/16"×2") ×6" (152mm)
	487208	1092	2× (1/4" ×2") ×6" (152mm)
	446425	41071	1×3/16"× 75
	446426	42071	2×3/16"× 75
	446427	61072	2×1/4" × 75
	446428	41081	1×3/16"×100
	446429	42081	2×3/16"×100
	446430	61082	2×1/4" ×100
	446431	41091	1×3/16"×150
	446432	42091	2×3/16"×150
	446433	61092	2×1/4" ×150
	489227	4300/51	0× 3 × 51
	489228	4301/51	1×4.5× 51
	489229	4302/51	2× 6 × 51
	489230	4303/51	3× 8 × 51
	489241	4301/75	1×4.5× 75
	489242	4302/75	2× 6 × 75
	489243	4303/75	3× 8 × 75
	489254	4301/100	1×4.5×100
	489255	4302/100	2× 6 ×100
	489256	4303/100	3× 8 ×100
	489671	4301/110	1×4.5×110
	489266	4302/110	2× 6 ×110
	489267	4303/110	3× 8 ×110
	446434	4302/117	2× 6 ×117
	446435	4302/127	2× 6 ×127
	446436	4302/132	2× 6 ×132
	489672	4301/150	1×4.5×150
	489673	4302/150	2× 6 ×150
	446437	4303/150	3× 8 ×150
	446438	4301/200	1×4.5×200
	446439	4302/200	2× 6 ×200
	446440	4303/200	3× 8 ×150

⬢ 1/4" = 6.35mm HEX DRIVE



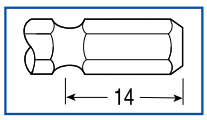
● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI



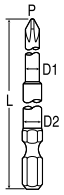
✚ = CROSS POINT =	EDP #	MODEL #	P × L (HEAT TREATMENT)
	424031	B35	1× 50 X
	424032	B35	1× 50 H
	424061	B35	2× 50 X
	424040	B35	2× 50 G
	424034	B35	1× 75 X
	424035	B35	1× 75 H
	424062	B35	2× 75 X
	424047	B35	2× 75 H
	424041	B35	2× 75 G
	424042	B35	2× 75 E
	424072	B35	3× 75 X
	424050	B35	3× 75 H
	424051	B35	3× 75 E
	424048	B35	2×100 H
	424043	B35	2×100 G
	424044	B35	2×100 E
	424073	B35	3×100 X
	424052	B35	3×100 H
	424053	B35	3×100 E
	424064	B35	2×150 X
	424049	B35	2×150 H
	424045	B35	2×150 G
	424046	B35	2×150 E

(HEX SHANK TYPE)	EDP #	MODEL #	P × L (HEAT TREATMENT)
	424131	B39	1× 23 H
	424141	B39	2× 23 H
	424143	B39	2× 40 H
	424147	B39	2×100 H

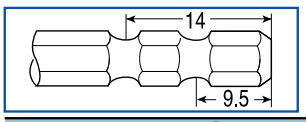
⬢ 1/4" = 6.35mm HEX DRIVE



● FOR : HITACHI, MAKITA, MATSUSHITA, MAX, NPK, RYOBI, TONICHI, TOSHIBA, VESSEL, YOKOTA, YUTANI



✚ = CROSS POINT = (M = MAGNETIC)	EDP #	MODEL #	P × D1 × D2 × L
	415066	A16	2×4.5× 65 H
	415311	M-A16	2×4.5× 65 H
	415312	M-A16	2×4.5× 100 H
	415313	M-A16	2×4.5×6.3×150 H
	482040	D81	2× 5 × 6 × 82 X
	482041	D81	2× 5 × 6 × 82 H
	482042	D81	2× 5 × 6 × 82 E



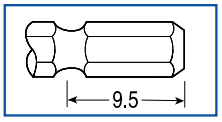
1/4" = 6.35mm HEX DRIVE (DOUBLE GROOVE, MAGNETIC TYPE)

● FOR : VARIOUS TYPES OF POWER TOOLS

= CROSS POINT =	EDP #	MODEL #	P × D1 × D2 × L
	415301	M-AB16	2×4.5× 65H
	415302	M-AB16	2×4.5× 100H
	415303	M-AB16	2×4.5× 6.3×150H

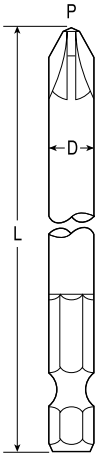
(NOTE : SEE THE DIMENSIONS AT PAGE 20)

1/4" = 6.35mm HEX DRIVE



DIN 3126-E6.35

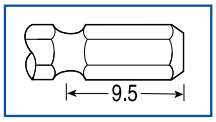
● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI



= POZIDRIV = DIN 5260-PZ POZIDRIV	EDP #	MODEL #	P × D × L
	487215	1061PZ	1×3/16" ×1-15/16" (49mm)
	487220	1062PZ	2×1/4" ×1-15/16" (49mm)
	487225	1063PZ	3×5/16" ×1-15/16" (49mm)
	487216	1071PZ	1×3/16" ×2-3/4" (70mm)
	487221	1072PZ	2×1/4" ×2-3/4" (70mm)
	487226	1073PZ	3×5/16" ×2-3/4" (70mm)
	487217	1081PZ	1×3/16" ×3-1/2" (89mm)
	487222	1082PZ	2×1/4" ×3-1/2" (89mm)
	487227	1083PZ	3×5/16" ×3-1/2" (89mm)
	487218	1091PZ	1× (3/16"×2") ×6" (152mm)
	487223	1092PZ	2× (1/4" ×2") ×6" (152mm)
	489231	4301/51PZ	1×4.5× 51
	489232	4302/51PZ	2× 6 × 51
	489233	4303/51PZ	3× 8 × 51
	489234	4304/51PZ	4× 8 × 51
	489244	4301/75PZ	1×4.5× 75
	489245	4302/75PZ	2× 6 × 75
	489246	4303/75PZ	3× 8 × 75
	489247	4304/75PZ	4× 8 × 75
	489257	4301/100PZ	1×4.5×100
	489258	4302/100PZ	2× 6 ×100
	489259	4303/100PZ	3× 8 ×100
	446441	4301/110PZ	1×4.5×110
	446442	4302/110PZ	2× 6 ×110
	446443	4303/110PZ	3× 8 ×110
	446444	4302/117PZ	2× 6 ×117
	446445	4302/127PZ	2× 6 ×127
	446446	4302/132PZ	2× 6 ×132
	446447	4301/150PZ	1×4.5×150
	489674	4302/150PZ	2× 6 ×150
	446448	4303/150PZ	3× 8 ×150
	446449	4302/200PZ	2× 6 ×200

= SUPADRIV =	EDP #	MODEL #	P × D × L (HEAT TREATMENT)
	636121	B35	1×7× 75H
	636122	B35	2×7× 75H
	636123	B35	2×7×100H
	636130	B35	3×7× 75H

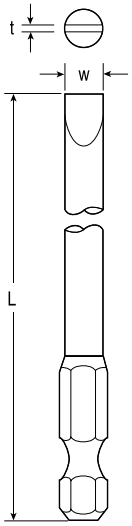
※POZIDRIV and SUPADRIV · · · · POZIDRIV and SUPADRIV system are patented and registered as the trademarks of EIS corp. in U.K. We at VESSEL CO., INC. has a manufacturing license in Japan and selling same to the world.



DIN 3126-E6.35

1/4" = 6.35mm HEX DRIVE

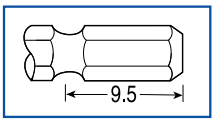
●SAME APPLICATION AS LISTED AT PAGE 21



= PLAIN SLOT = (METRIC)	EDP #	MODEL #	w × t × L
	489271	5303/51	3 ×0.5 ×51
	489272	5335/51	3.5×0.55×51
	489273	5304/51	4 ×0.6 ×51
	489274	5345/51	4.5×0.7 ×51
	489275	5305/51	5 ×0.75×51
	489276	5355/51	5.5×0.8 ×51
	489277	5306/51	6 ×0.85×51
	489278	5365/51	6.5×0.85×51
	489279	5307/51	7 ×0.9 ×51
	489280	5308/51	8 × 1 ×51
	489281	5309/51	9 ×1.15×51
	489282	5310/51	10 ×1.2 ×51
	489675	5303/75	3 ×0.5 ×75
	489283	5304/75	4 ×0.6 ×75
	489284	5305/75	5 ×0.75×75
	489285	5306/75	6 ×0.85×75
	489676	5306/125	6 ×0.85×125
	489677	5365/75	6.5×0.85×75
	489286	5307/75	7 ×0.9 ×75
(INCH)	**EDP #**	**MODEL #**	**w × t × L**
	446450	152000	.122×.022×1-15/16"(49mm)
	446451	15200	.134×.026×1-15/16"(49mm)
	446452	1520	.151×.030×1-15/16"(49mm)
	487230	1521	.187×.034×1-15/16"(49mm)
	487235	1522	.215×.036×1-15/16"(49mm)
	487240	1523	.250×.036×1-15/16"(49mm)
	487245	1524	.250×.038×1-15/16"(49mm)
	487250	1525	.275×.042×1-15/16"(49mm)
	487255	1526	.312×.046×1-15/16"(49mm)
	487260	1527	.360×.050×1-15/16"(49mm)
	446453	153000	.122×.022×2-3/4" (70mm)
	446454	15300	.134×.026×2-3/4" (70mm)
	446455	1530	.151×.030×2-3/4" (70mm)
	487231	1531	.187×.034×2-3/4" (70mm)
	487236	1532	.215×.036×2-3/4" (70mm)
	487241	1533	.250×.036×2-3/4" (70mm)
	487246	1534	.250×.038×2-3/4" (70mm)
	487251	1535	.275×.042×2-3/4" (70mm)
	487256	1536	.312×.046×2-3/4" (70mm)
	446456	1537	.360×.050×2-3/4" (70mm)
	446457	156000	.122×.022×3" (76mm)
	446458	15600	.134×.026×3" (76mm)
	446459	1560	.151×.030×3" (76mm)
	446460	1561	.187×.034×3" (76mm)
	446461	1562	.215×.036×3" (76mm)
	446462	1563	.250×.036×3" (76mm)
	446463	1564	.250×.038×3" (76mm)
	446464	1565	.275×.042×3" (76mm)
	446465	1566	.312×.046×3" (76mm)
	446466	1567	.360×.050×3" (76mm)

BLADE WIDTH (APPROX.)		BLADE THICKNESS (APPROX.)	
in.	mm	in.	mm
.122	3.10	.022	.56
.134	3.40	.026	.66
.151	3.84	.030	.76
.187	4.75	.034	.86
.215	5.46	.036	.91
.250	6.35	.036	.91
.250	6.35	.038	.97
.275	6.99	.042	1.07
.312	7.92	.046	1.17
.360	9.14	.050	1.27

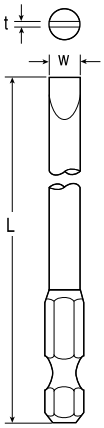
⬢ 1/4" = 6.35mm HEX DRIVE



DIN 3126-E6.35

● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI

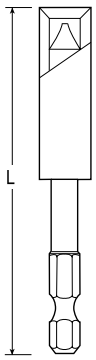
⊖ = PLAIN SLOT = (INCH)



EDP #	MODEL #	w × t × L
446467	154000	.122×.022×3-1/2"(89mm)
446468	15400	.134×.026×3-1/2"(89mm)
446469	1540	.151×.030×3-1/2"(89mm)
487232	1541	.187×.034×3-1/2"(89mm)
487237	1542	.215×.036×3-1/2"(89mm)
487242	1543	.250×.036×3-1/2"(89mm)
487247	1544	.250×.038×3-1/2"(89mm)
487252	1545	.275×.042×3-1/2"(89mm)
487257	1546	.312×.046×3-1/2"(89mm)
446470	1547	.360×.050×3-1/2"(89mm)
446471	157000	.122×.022×4" (102mm)
446472	15700	.134×.026×4" (102mm)
446473	1570	.151×.030×4" (102mm)
446474	1571	.187×.034×4" (102mm)
446475	1572	.215×.036×4" (102mm)
446476	1573	.250×.036×4" (102mm)
446477	1574	.250×.038×4" (102mm)
446478	1575	.275×.042×4" (102mm)
446479	1576	.312×.046×4" (102mm)
446480	1577	.360×.050×4" (102mm)
446481	155000	.122×.022×6" (152mm)
446482	15500	.134×.026×6" (152mm)
446483	1550	.151×.030×6" (152mm)
487233	1551	.187×.034×6" (152mm)
487238	1552	.215×.036×6" (152mm)
487243	1553	.250×.036×6" (152mm)
487248	1554	.250×.038×6" (152mm)
487253	1555	.275×.042×6" (152mm)
487258	1556	.312×.046×6" (152mm)
446484	1557	.360×.050×6" (152mm)

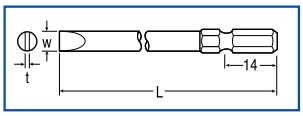
BLADE WIDTH (APPROX.)		BLADE THICKNESS (APPROX.)	
in.	mm	in.	mm
.122	3.10	.022	.56
.134	3.40	.026	.66
.151	3.84	.030	.76
.187	4.75	.034	.86
.215	5.46	.036	.91
.250	6.35	.036	.91
.250	6.35	.038	.97
.275	6.99	.042	1.07
.312	7.92	.046	1.17
.360	9.14	.050	1.27

(FINDER SLEEVE COMBINED) DIN 5264 -C



EDP #	MODEL #	w × t × L	SCREW HEAD (mm)
489385	5324/94	.193×.036×3-3/4" (95mm)	4 to 5
487360	6001	.193×.036×3-3/4" (95mm)	5 to 6
487361	6002	.241×.038×3-3/4" (95mm)	6 to 8
487362	6003	.290×.042×3-3/4" (95mm)	8 to 10
487363	6004	.350×.046×3-3/4" (95mm)	10 to 12
487364	6005	.395×.050×3-7/8" (98mm)	12 to 14
446485	6006	.457×.055×4-1/8"(105mm)	14 to 16

BLADE WIDTH (APPROX.)		BLADE THICKNESS (APPROX.)	
in.	mm	in.	mm
.193	4.90	.036	.91
.193	4.90	.036	.91
.241	6.12	.038	.97
.290	7.37	.042	1.07
.350	8.89	.046	1.17
.395	10.03	.050	1.27
.457	11.61	.055	1.40

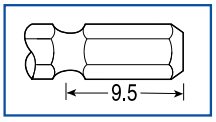


⬢ 1/4" = 6.35mm HEX DRIVE

● FOR : HITACHI, MAKITA, MATSUSHITA, MAX, NPK, RYOBI, TONICHI, TOSHIBA, VESSEL, YOKOTA, YUTANI

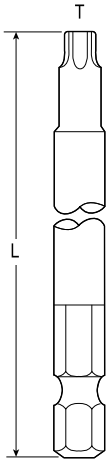
= PLAIN SLOT =	EDP #	MODEL #	w × t × L (HEAT TREATMENT)
	415071	A16	6×0.8×45 G
	415072	A16	6×0.8×70 G
	415171	A16	8× 1 ×45 G
	415172	A16	8× 1 ×70 G
	415271	A16	10×1.2×52 G
	415272	A16	10×1.2×70 G

⬢ 1/4" = 6.35mm HEX DRIVE



DIN 3126-E6.35

● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI

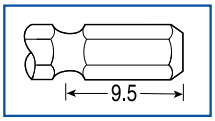


= TORX® =	EDP #	MODEL #	T × L
	446486	T10605	5×1-15/16" (49mm)
	446487	T10606	6×1-15/16" (49mm)
	446488	T10607	7×1-15/16" (49mm)
	446489	T10608	8×1-15/16" (49mm)
	446490	T10609	9×1-15/16" (49mm)
	446491	T10610	10×1-15/16" (49mm)
	446492	T10615	15×1-15/16" (49mm)
	446493	T10620	20×1-15/16" (49mm)
	446494	T10625	25×1-15/16" (49mm)
	446495	T10627	27×1-15/16" (49mm)
	446496	T10630	30×1-15/16" (49mm)
	446497	T10640	40×1-15/16" (49mm)
	446498	T10706	6×2-3/4" (70mm)
	446499	T10707	7×2-3/4" (70mm)
	446500	T10708	8×2-3/4" (70mm)
	446501	T10709	9×2-3/4" (70mm)
	446502	T10710	10×2-3/4" (70mm)
	446503	T10715	15×2-3/4" (70mm)
	446504	T10720	20×2-3/4" (70mm)
	446505	T10725	25×2-3/4" (70mm)
	446506	T10727	27×2-3/4" (70mm)
	446507	T10730	30×2-3/4" (70mm)
	446508	T10740	40×2-3/4" (70mm)
	446509	T10807	7×3-1/2" (90mm)
	446510	T10808	8×3-1/2" (90mm)
	446511	T10809	9×3-1/2" (90mm)
	446512	T10810	10×3-1/2" (90mm)
	446513	T10815	15×3-1/2" (90mm)
	446514	T10820	20×3-1/2" (90mm)
	446515	T10825	25×3-1/2" (90mm)
	446516	T10827	27×3-1/2" (90mm)
	446517	T10830	30×3-1/2" (90mm)
	446518	T10840	40×3-1/2" (90mm)
	446519	T10907	7×5-63/64" (152mm)
	446520	T10908	8×5-63/64" (152mm)
	446521	T10909	9×5-63/64" (152mm)
	446522	T10910	10×5-63/64" (152mm)
	446523	T10915	15×5-63/64" (152mm)
	446524	T10920	20×5-63/64" (152mm)

(NOTE : TAMPER PROOF TYPE AND L=6"=152mm AVAILABLE)

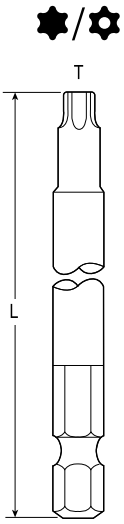
※ TORX · · · We at VESSEL CO., INC. manufacture various TORX fastening tools with original technical data, and the production gages under the licence by CAMCAR TEXTRON INC.

⬢ 1/4" = 6.35mm HEX DRIVE



DIN 3126-E6.35

● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI



= TORX® =(H = TAMPER PROOF)	EDP #	MODEL #	T × L
	446525	T10925	25×5-63/64" (152mm)
	446526	T10927	27×5-63/64" (152mm)
	446527	T10930	30×5-63/64" (152mm)
	446528	T10940	40×5-63/64" (152mm)
	446529	T10606H	6×1-15/16" (49mm)
	446530	T10607H	7×1-15/16" (49mm)
	446531	T10608H	8×1-15/16" (49mm)
	446532	T10609H	9×1-15/16" (49mm)
	446533	T10610H	10×1-15/16" (49mm)
	446534	T10615H	15×1-15/16" (49mm)
	446535	T10620H	20×1-15/16" (49mm)
	446536	T10625H	25×1-15/16" (49mm)
	446537	T10627H	27×1-15/16" (49mm)
	446538	T10630H	30×1-15/16" (49mm)
	446539	T10640H	40×1-15/16" (49mm)
	446540	T10706H	6×2-3/4" (70mm)
	446541	T10707H	7×2-3/4" (70mm)
	446542	T10708H	8×2-3/4" (70mm)
	446543	T10709H	9×2-3/4" (70mm)
	446544	T10710H	10×2-3/4" (70mm)
	446545	T10715H	15×2-3/4" (70mm)
	446546	T10720H	20×2-3/4" (70mm)
	446547	T10725H	25×2-3/4" (70mm)
	446548	T10727H	27×2-3/4" (70mm)
	446549	T10730H	30×2-3/4" (70mm)
	446550	T10740H	40×2-3/4" (70mm)
	446551	T10807H	7×3-1/2" (90mm)
	446552	T10808H	8×3-1/2" (90mm)
	446553	T10809H	9×3-1/2" (90mm)
	446554	T10810H	10×3-1/2" (90mm)
	446555	T10815H	15×3-1/2" (90mm)
	446556	T10820H	20×3-1/2" (90mm)
	446557	T10825H	25×3-1/2" (90mm)
	446558	T10827H	27×3-1/2" (90mm)
	446559	T10830H	30×3-1/2" (90mm)
	446560	T10840H	40×3-1/2" (90mm)
	446561	T10907H	7×5-63/64" (152mm)
	446562	T10908H	8×5-63/64" (152mm)
	446563	T10909H	9×5-63/64" (152mm)
	446564	T10910H	10×5-63/64" (152mm)
	446565	T10915H	15×5-63/64" (152mm)
	446566	T10920H	20×5-63/64" (152mm)
	446567	T10925H	25×5-63/64" (152mm)
	446568	T10927H	27×5-63/64" (152mm)
	446569	T10930H	30×5-63/64" (152mm)
	446570	T10940H	40×5-63/64" (152mm)

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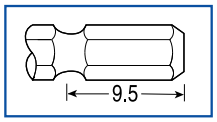
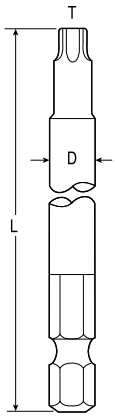
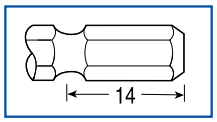
⬢ 1/4" = 6.35mm HEX DRIVE



● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI

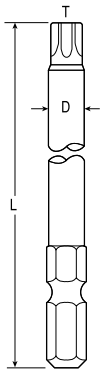


✱ = TORX® =	EDP #	MODEL #	T × D × L
	635300	JT	6× 4 × 75
	635305	JT	8×4.5× 75
	635310	JT	10×4.5× 75
	635315	JT	15×4.5× 75
	635320	JT	20× 5 × 75
	635325	JT	25× 5 × 75
	635330	JT	27×5.5× 75
	635335	JT	30× 6 × 75
	635340	JT	40× 7 × 75
	635345	JT	45× 8 × 75
	635301	JT	6× 4 ×100
	635306	JT	8×4.5×100
	635311	JT	10×4.5×100
	635316	JT	15×4.5×100
	635321	JT	20× 5 ×100
	635326	JT	25× 5 ×100
	635331	JT	27×5.5×100
	635336	JT	30× 6 ×100
	635341	JT	40× 7 ×100
	635346	JT	45× 8 ×100



⬢ 1/4" = 6.35mm HEX DRIVE

●FOR : HITACHI, MAKITA, MATSUSHITA, MAX, NPK, RYOBI, TONICHI, TOSHIBA, VESSEL, YOKOTA, YUTANI



✱ = TORX® =	EDP #	MODEL #	T × D × L
	635120	VT	10×4.5× 65
	635125	VT	15×4.5× 65
	635130	VT	20× 5 × 65
	635135	VT	25× 5 × 65
	635140	VT	27×5.5× 65
	635145	VT	30× 6 × 65
	635150	VT	40× 7 × 65
	635121	VT	10×4.5×110
	635126	VT	15×4.5×110
	635131	VT	20× 5 ×110
	635136	VT	25× 5 ×110
	635141	VT	27×5.5×110
	635146	VT	30× 6 ×110
	635151	VT	40× 7 ×110

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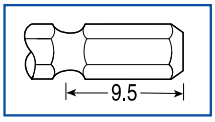
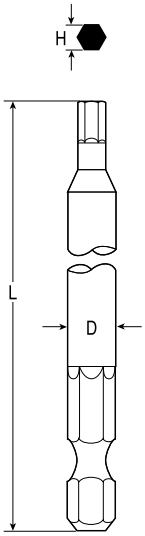
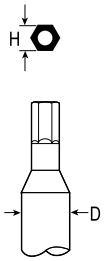


DIN 3126-E6.35

● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI

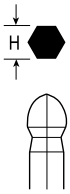


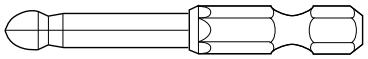
⬢ = HEXAGON HEAD = (METRIC)	EDP #	MODEL #	H × D × L
	487280	21225	2.5×3.5×1-15/16" (49mm)
	487281	21203	3 ×3.5×1-15/16" (49mm)
	487282	21204	4 ×4.6×1-15/16" (49mm)
	487283	21205	5 ×5.8×1-15/16" (49mm)
	487284	21206	6 × 1-15/16" (49mm)
	446571	13315/70	1.5 × 7 ×70
	489291	1332/70	2 × 7 ×70
	446572	13325/70	2.5 × 7 ×70
	489292	1333/70	3 × 7 ×70
	489293	1334/70	4 × 7 ×70
	489294	1335/70	5 × 7 ×70
	489295	1336/70	6 × 7 ×70
	489296	1337/70	7 ×10 ×70
	489297	1338/70	8 ×11 ×70
	489298	1339/70	9 ×11 ×70
	489299	1340/70	10×12 ×70
	424080	B35	2 × 7 ×75
	424082	B35	2.5× 7 ×75
	424084	B35	3 × 7 ×75
	424086	B35	4 × 7 ×75
	424088	B35	5 × 7 ×75
	424090	B35	6 × 7 ×75
	424081	B35	2 × 7 ×100
	424083	B35	2.5× 7 ×100
	424085	B35	3 × 7 ×100
	424087	B35	4 × 7 ×100
	424089	B35	5 × 7 ×100
	424091	B35	6 × 7 ×100



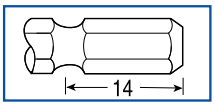
⬡ = HEXAGON HEAD = (METRIC,TAMPER PROOF)	EDP #	MODEL #	H × D × L
	446573	13325F/70	2.5 × 7 ×70
	446574	1333F/70	3 × 7 ×70
	446575	1334F/70	4 × 7 ×70
	446576	1335F/70	5 × 7 ×70

(INCH)	EDP #	MODEL #	H × L
	487270	2021	7/64"×1-15/16" (49mm)
	487271	2022	1/8"×1-15/16" (49mm)
	487272	2023	9/64"×1-15/16" (49mm)
	487273	2024	5/32"×1-15/16" (49mm)
	487274	2025	3/16"×1-15/16" (49mm)
	487275	2026	7/32"×1-15/16" (49mm)
	487276	2027	1/4"×1-15/16" (49mm)





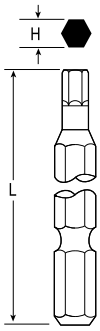
⬢ = Ballpoint = (METRIC)	EDP #	MODEL #	H × L
	446577	1732/50	2 × 50
	446578	17325/50	2.5× 50
	446579	1733/50	3 × 50
	446580	1734/50	4 × 50
	446581	1735/50	5 × 50
	446582	1736/50	6 × 50
	446583	1738/50	8 × 50



DIN 3126-E6.35

⬢ 1/4" = 6.35mm HEX DRIVE

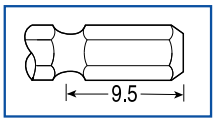
●FOR : HITACHI, MAKITA, MATSUSHITA, MAX, NPK, RYOBI, TONICHI, TOSHIBA, VESSEL, YOKOTA, YUTANI

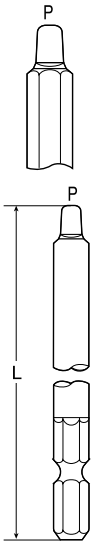


⬢ = HEXAGON HEAD = (METRIC)	EDP #	MODEL #	H × L (HEAT TREATMENT)
	481090	A16	2 × 65 H
	481091	A16	2.5× 65 H
	481092	A16	3 × 65 H
	481093	A16	4 × 65 H
	481094	A16	5 × 65 G
	481096	A16	6 × 65 G
	481100	A16	2 ×110 H
	481101	A16	2.5×110 H
	481102	A16	3 ×110 H
	481103	A16	4 ×110 H
	481104	A16	5 ×110 G
	481105	A16	6 ×110 G

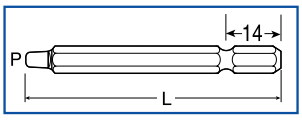
⬢ 1/4" = 6.35mm HEX DRIVE

● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI





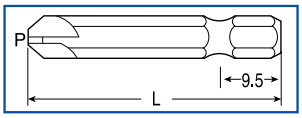
■ = SQUARE HEAD = (HEX SHANK)	EDP #	MODEL #	P (SIZE) × L
	487290	3011	1 (3/32") ×1-15/16" (49mm)
	487292	3012	2 (1/8") ×1-15/16" (49mm)
	487294	3013	3 (9/64") ×1-15/16" (49mm)
	487291	3021	1 (3/32") ×2-3/4" (70mm)
	487293	3022	2 (1/8") ×2-3/4" (70mm)
	487295	3023	3 (9/64") ×2-3/4" (70mm)
(ROUND SHANK)	**EDP #**	**MODEL #**	**P (SIZE) × L**
	487300	3031	1 (3/32") ×1-15/16" (49mm)
	487305	3032	2 (1/8") ×1-15/16" (49mm)
	487310	3033	3 (9/64") ×1-15/16" (49mm)
	487301	3041	1 (3/32") ×2-3/4" (70mm)
	487306	3042	2 (1/8") ×2-3/4" (70mm)
	487311	3043	3 (9/64") ×2-3/4" (70mm)
	487302	3051	1 (3/32") ×3-1/2" (90mm)
	487307	3052	2 (1/8") ×3-1/2" (90mm)
	487312	3053	3 (9/64") ×3-1/2" (90mm)
	487303	3061	1 (3/32") ×6" (152mm)
	487308	3062	2 (1/8") ×6" (152mm)
	487313	3063	3 (9/64") ×6" (152mm)



⬢ 1/4" = 6.35mm HEX DRIVE

●FOR : HITACHI, MAKITA, MATSUSHITA, MAX, NPK, RYOBI, TONICHI, TOSHIBA, VESSEL, YOKOTA, YUTANI

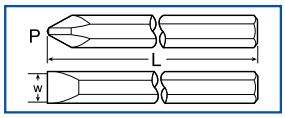
■ = SQUARE HEAD =	EDP #	MODEL #	P (SIZE) × L
	481002	A16	2 (1/8") ×65
	481003	A16	3 (9/64") ×65



⬢ 1/4" = 6.35mm HEX DRIVE

● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI

= AIRCRAFT 3-W =	EDP #	MODEL #	P × L
	424201	B39	1×40
	424202	B39	2×40
	424203	B39	3×40
	424204	B39	4×40
	424205	B39	5×40

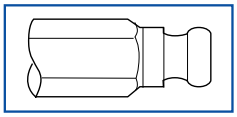


⬢ 1/4" = 6.35mm HEX DRIVE

●FOR : DRILL CHUCK TYPE PORTABLE ELECTRIC DRILLS/DRIVERS

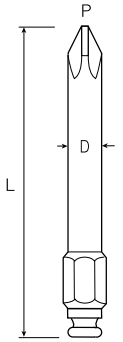
✚ = CROSS POINT =	EDP #	MODEL #	P × L
	482331	D85	1×50
	482341	D85	2×50

⊖ = PLAIN SLOT =	EDP #	MODEL #	w × L
	482371	D85	6.3×50

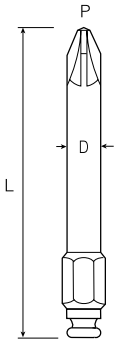


⬢ 5/16"= 8mm HEX DRIVE

●FOR : BRIDGES, BUCKEYE-TOOLS, DEMAG (FMA), DESOUTTER, FIAM, GRASSO, OBER, RUPES, SUHNER



= CROSS POINT = DIN 5260-PH CROSS POINT	EDP #	MODEL #	P × D × L
	487410	1101	1×1/4" ×2-25/32" (71mm)
	487411	1102	2×1/4" ×2-25/32" (71mm)
	487412	1103	3×5/16"×2-25/32" (71mm)
	489391	4401/50	1×4.5× 50
	489392	4402/50	2× 6 × 50
	489393	4403/50	3× 6 × 50
	489403	4401/75	1×4.5× 75
	489404	4402/75	2× 6 × 75
	489405	4403/75	3× 6 × 75
	489415	4401/100	1×4.5×100
	489416	4402/100	2× 6 ×100
	489417	4403/100	3× 6 ×100



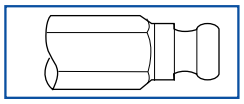
= POZIDRIV = DIN 5260-PZ POZIDRIV	EDP #	MODEL #	P × D × L
	487415	1101PZ	1×3/16" ×2-25/32" (71mm)
	487416	1102PZ	2×1/4" ×2-25/32" (71mm)
	487417	1103PZ	3×5/16" ×2-25/32" (71mm)
	489394	4401/50PZ	1×4.5× 50
	489395	4402/50PZ	2× 6 × 50
	489396	4403/50PZ	3× 6 × 50
	489406	4401/75PZ	1×4.5× 75
	489407	4402/75PZ	2× 6 × 75
	489408	4403/75PZ	3× 6 × 75
	489418	4401/100PZ	1×4.5×100
	489419	4402/100PZ	2× 6 ×100
	489420	4403/100PZ	3× 6 ×100

= PLAIN SLOT = DIN 5264-C	EDP #	MODEL #	w × t × L
	489431	5403/51	3 ×0.5 ×51
	489432	5435/51	3.5×0.55×51
	489433	5404/51	4 ×0.6 ×51
	489434	5445/51	4.5×0.7 ×51
	489435	5405/51	5 ×0.75×51
	489436	5455/51	5.5×0.8 ×51
	489437	5406/51	6 ×0.8 ×51
	489438	5465/51	6.5×0.85×51
	489439	5407/51	7 ×0.9 ×51
	489440	5475/51	7.5×0.95×51
	489441	5408/51	8 × 1 ×51
	489442	5485/51	8.5×1.1 ×51
	489443	5409/51	9 ×1.15×51
	489444	5410/51	10 ×1.2 ×51
	489445	5411/51	11 ×1.3 ×51
	489446	5412/51	12 ×1.5 ×51

	446585	5403/76	3× 0.5 ×76
	446586	5435/76	3.5 ×0.55×76
	446587	5404/76	4× 0.6 ×76
	446588	5445/76	4.5×0.7 ×76
	446589	5405/76	5×0.75×76
	446590	5455/76	5.5× 0.8 ×76
	446591	5406/76	6× 0.8 ×76
	446592	5465/76	6.5×0.85×76
	446593	5407/76	7× 0.9 ×76
	446594	5475/76	7.5×0.95×76
	446595	5408/76	8× 1 ×76
	446596	5485/76	8.5× 1.1 ×76
	446597	5409/76	9×1.15×76
	446598	5410/76	10× 1.2 ×76
	446599	5411/76	11× 1.3 ×76
	446600	5412/76	12× 1.5 ×76

※ POZIDRIV · · · · POZIDRIV system is patented and registered as the trademark of EIS corp. in U.K. We at VESSEL CO., INC. has a manufacturing license in Japan and selling same to the world.

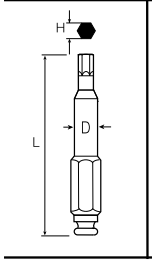
(NOTE : L=76mm AVAILABLE)



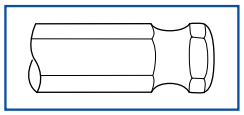
DIN 3126-C8

⬢5/16" = 8mm HEX DRIVE

●FOR : BRIDGES, BUCKEYE-TOOLS, DEMAG (FMA), DESOUTTER, FIAM, GRASSO, OBER, RUPES, SUHNER

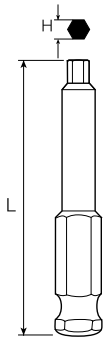


⬢ = HEXAGON HEAD = (METRIC)	EDP #	MODEL #	H × D × L
	489463	1432/70	2× 6×70
	489464	1433/70	3× 6×70
	489465	1434/70	4× 6×70
	489466	1435/70	5× 8×70
	489467	1436/70	6× 8×70
	489468	1437/70	7× 8×70
	489469	1438/70	8× 8×70
	489470	1439/70	9×11×70
	489471	1440/70	10×12×70



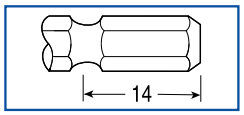
⬢5/16" = 8mm HEX DRIVE

●FOR : FEIN, INGERSOLL



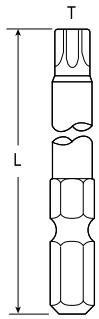
⬢ = HEXAGON HEAD = (METRIC)	EDP #	MODEL #	H × L
	487330	21303	3×3" (76.2mm)
	487331	21304	4×3" (76.2mm)
	487332	21305	5×3" (76.2mm)
	487333	21306	6×3" (76.2mm)
	487334	21308	8×3" (76.2mm)
	487335	21310	10×3" (76.2mm)

(INCH)	EDP #	MODEL #	H × L
	487320	2031	1/8"×3" (76.2mm)
	487321	2032	5/32"×3" (76.2mm)
	487322	2033	3/16"×3" (76.2mm)
	487323	2034	7/32"×3" (76.2mm)
	487324	2035	1/4"×3" (76.2mm)
	487325	2036	5/16"×3" (76.2mm)
	487326	2037	3/8"×3" (76.2mm)



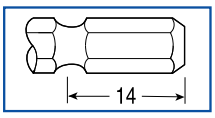
⬢8mm HEX DRIVE

●FOR : HITACHI (WH-12DB), MATSUSHITA (EZ6608D), VESSEL (GT-P8D, P10SⅡ)



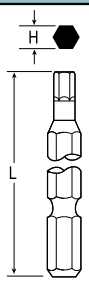
✱ = TORX® =	EDP #	MODEL #	T × L
	635215	V5T	25× 65
	635220	V5T	27× 65
	635225	V5T	30× 65
	635230	V5T	40× 65
	635235	V5T	45× 65
	635240	V5T	50× 65
	635216	V5T	25×110
	635221	V5T	27×110
	635226	V5T	30×110
	635231	V5T	40×110
	635236	V5T	45×110
	635241	V5T	50×110

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

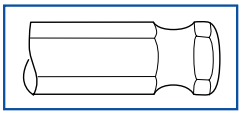


⬢ 8mm HEX DRIVE

●FOR : HITACHI (WH-12DB), MATSUSHITA (EZ6608D), VESSEL (GT-P8D, P10S Ⅱ)

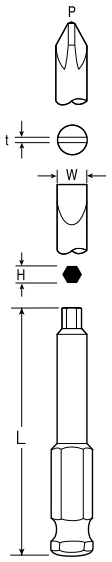


⬢ = HEXAGON HEAD = (METRIC)	EDP #	MODEL #	H × L (HEAT TREATMENT)
	481191	A19	5× 65 G
	481192	A19	6× 65 G
	481193	A19	8× 65 G
	481194	A19	10× 65 S
	481196	A19	6×130 G
	481197	A19	8×130 G
	481198	A19	10×130 S



⬢ 7/16" = 11mm HEX DRIVE

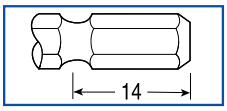
● FOR : AEG, ARO, ATLAS-COPCO, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CINCINNATI-ELECTRIC, CLARK, DEMAG (FMA), FEIN, HOLZ-HER, INGERSOLL, KELLER, MILWAUKEE-ELECTRIC, ROTOR TOOL, STANLEY, STAR, THOR, US-ELECTRIC, VAN DORN, VIRAX



✚ = CROSS POINT =	EDP #	MODEL #	P × L
	489582	4501/70	1×70
	489583	4502/70	2×70
	489584	4503/70	3×70

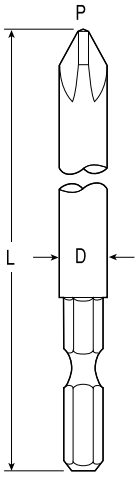
⊖ = PLAIN SLOT + FINDER SLEEVE =	EDP #	MODEL #	w × t × L
	489585	5505/92	5×0.75×92
	489586	5506/92	6×0.8 ×92
	489587	5507/92	7×0.9 ×92
	489588	5508/92	8× 1 ×92
	489589	5509/92	9×1.15×92
	489590	5510/92	10×1.2 ×92

⬢ = HEXAGON HEAD = (METRIC)	EDP #	MODEL #	H × L
	489591	1532/70	2×70
	489592	1533/70	3×70
	489593	1534/70	4×70
	489594	1535/70	5×70
	489595	1536/70	6×70
	489596	1537/70	7×70
	489597	1538/70	8×70
	489598	1539/70	9×70
	489599	1540/70	10×70

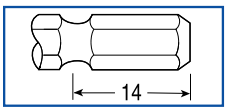


⬢ 5mm HEX DRIVE

●FOR : DELVO, HIOS (FERRA TOOLS), HITACHI, MATSUSHITA, URYU, YOKOTA

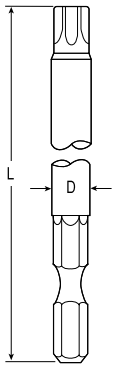


= CROSS POINT =	EDP #	MODEL #	P × D × L (HEAT TREATMENT)
	422036	B34	1× 6× 70 X
	422031	B34	1× 6× 70 H
	422037	B34	1× 6×100 X
	422032	B34	1× 6×100 H
	422038	B34	1× 6×150 X
	422033	B34	1× 6×150 H
	422051	B34	2× 6× 70 X
	422041	B34	2× 6× 70 H
	422052	B34	2× 6×100 X
	422042	B34	2× 6×100 H
	422053	B34	2× 6×120 X
	422045	B34	2× 6×120 H
	422067	B34	2× 6×125 X
	422068	B34	2× 6×125 H
	422054	B34	2× 6×150 X
	422043	B34	2× 6×150 H
	422055	B34	2× 6×200 X
	422044	B34	2× 6×200 H
	422039	B34	1×5.3×105 X
	422034	B34	1×5.3×105 H
	422040	B34	1×5.3×120 X
	422035	B34	1×5.3×120 H
	422061	B34	1×5.3×125 X
	422062	B34	1×5.3×125 H
	422046	B34	2×5.3×105 H
	422059	B34	2×5.3×120 X
	422047	B34	2×5.3×120 H
	422064	B34	2×5.3×125 X
	422065	B34	2×5.3×125 H



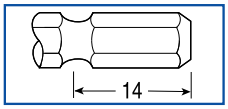
⬢ 5mm HEX DRIVE

●FOR : DELVO, HIOS (FERRA TOOLS), HITACHI, MATSUSHITA, URYU, YOKOTA



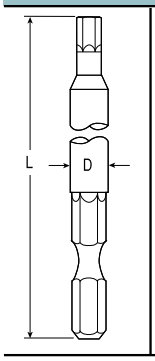
= TORX® =	EDP #	MODEL #	T × D × L
	635500	NT	6× 4 × 75
	635505	NT	8×4.5× 75
	635510	NT	10×4.5× 75
	635515	NT	15×4.5× 75
	635520	NT	20× 5 × 75
	635525	NT	25× 5 × 75
	635530	NT	27×5.5× 75
	635501	NT	6× 4 ×100
	635506	NT	8×4.5×100
	635511	NT	10×4.5×100
	635516	NT	15×4.5×100
	635521	NT	20× 5 ×100
	635526	NT	25× 5 ×100
	635531	NT	27×5.5×100

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

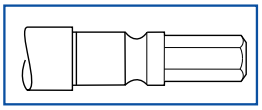


⬢ 5mm HEX DRIVE

●FOR : DELVO, HIOS (FERRA TOOLS), HITACHI, MATSUSHITA, URYU, YOKOTA

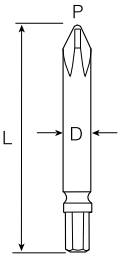


⬢ = HEXAGON HEAD = (METRIC)	EDP #	MODEL #	H × D × L (HEAT TREATMENT)
	422071	B34	2 × 6 × 70 H
	422072	B34	2.5× 6 × 70 H
	422073	B34	3 × 6 × 70 H
	422074	B34	4 × 6 × 70 H
	422075	B34	5 × 6 × 70 H

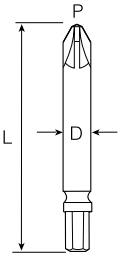


⬢ 5.5mm HEX DRIVE

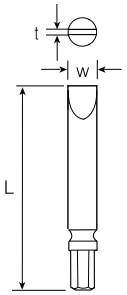
●FOR : AEG, BOSCH, DESOUTTER, FISCHER, HOLZ-HER, KRESS, METABO, PHÖNIX, WEIDMÜLLER



✚ = CROSS POINT =	EDP #	MODEL #	P × D × L
	489551	4201/50	1×4.5× 50
	489552	4202/50	2×6.5× 50
	489553	4203/50	3×6.5× 50
	489557	4201/75	1×4.5× 75
	489558	4202/75	2×6.5× 75
	489559	4203/75	3×6.5× 75
	489563	4201/100	1×4.5×100
	489564	4202/100	2×6.5×100
	489565	4203/100	3×6.5×100



✚ = POZIDRIV® =	EDP #	MODEL #	P × D × L
	489554	4201/50PZ	1×4.5× 50
	489555	4202/50PZ	2×6.5× 50
	489556	4203/50PZ	3×6.5× 50
	489560	4201/75PZ	1×4.5× 75
	489561	4202/75PZ	2×6.5× 75
	489562	4203/75PZ	3×6.5× 75
	489566	4201/100PZ	1×4.5×100
	489567	4202/100PZ	2×6.5×100
	489568	4203/100PZ	3×6.5×100



⊖ = PLAIN SLOT =	EDP #	MODEL #	w × t × L
	489569	5203/51	3 ×0.5 ×51
	489570	5235/51	3.5×0.55×51
	489571	5204/51	4 ×0.6 ×51
	489572	5245/51	4.5×0.7 ×51
	489573	5205/51	5 ×0.75×51
	489574	5255/51	5.5×0.8 ×51
	489575	5206/51	6 ×0.85×51
	489576	5265/51	6.5×0.85×51
	489577	5207/51	7 ×0.9 ×51
	489578	5208/51	8 × 1 ×51
	489579	5209/51	9 ×1.15×51
	489580	5210/51	10 ×1.2 ×51

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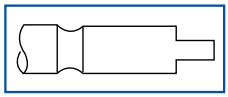
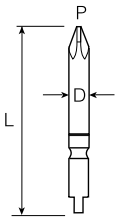


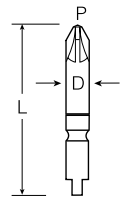
DIN 3126-G7

⊖ φ7mm DRIVE

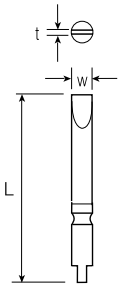
●FOR : AEG, BAIER, FEIN



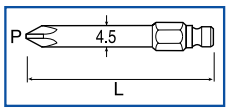
✚ = CROSS POINT = DIN 5260-PH CROSS POINT	EDP #	MODEL #	P × D × L
	489602	001/53	1×4.5× 53
	489603	002/53	2× 6 × 53
	489604	003/53	3× 7 × 53
	489608	001/70	1×4.5× 70
	489609	002/70	2× 6 × 70
	489610	003/70	3× 7 × 70
	489614	001/100	1×4.5×100
	489615	002/100	2× 6 ×100
	489616	003/100	3× 7 ×100



✚ = POZIDRIV = DIN 5260-PZ POZIDRIV	EDP #	MODEL #	P × D × L
	489605	001/53PZ	1×4.5× 53
	489606	002/53PZ	2× 6 × 53
	489607	003/53PZ	3× 7 × 53
	489611	001/70PZ	1×4.5× 70
	489612	002/70PZ	2× 6 × 70
	489613	003/70PZ	3× 7 × 70
	489617	001/100PZ	1×4.5×100
	489618	002/100PZ	2× 6 ×100
	489619	003/100PZ	3× 7 ×100



⊖ = PLAIN SLOT = DIN 5264-C	EDP #	MODEL #	w × t × L
	489620	5803/53	3 ×0.5 ×53
	489621	5835/53	3.5×0.55×53
	489622	5804/53	4 ×0.6 ×53
	489623	5845/53	4.5×0.7 ×53
	489624	5805/53	5 ×0.75×53
	489625	5855/53	5.5×0.8 ×53
	489626	5806/53	6 ×0.85×53
	489627	5807/53	7 ×0.9 ×53
	489628	5808/53	8 × 1 ×53
	489629	5809/53	9 ×1.15×53
	489630	5810/53	10 ×1.2 ×53



⬢ 5mm HEX DRIVE

●FOR : FIAM

✚ = CROSS POINT =	EDP #	MODEL #	P × L
	489631	4101/38	1×38
	489632	4102/38	2×38

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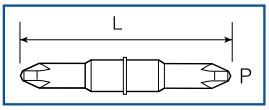


DOUBLE END INSERT BITS WITH ● φ7mm ROUND SHANK

● FOR : 3307 & 3407

= CROSS POINT = DIN 5260-PH CROSS POINT	EDP #	MODEL #	P × L
	489126	3101/50	1×50
	489127	3102/50	2×50
	489128	3103/50	3×50

DOUBLE END BIT HOLDERS

● FOR : 3101/50, 3102/50, 3103/50

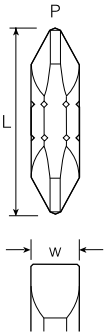
= 1/4" HEX SHANK DRIVE =	EDP #	MODEL #	O . A . L .
	489129	3307/50	50

= 5/16" HEX SHANK DRIVE =	EDP #	MODEL #	O . A . L .
	489130	3407/50	50

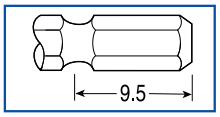
THRIFTY DOUBLE END BITS WITH ⬢ 1/4" = 6.35mm HEX SHANK

DIN 3126-C6.35

● FOR : DBH (M)-01 & DBH (M)-02



= CROSS POINT = DIN 5260-PH CROSS POINT	EDP #	MODEL #	P × L
	482435	P1D	1×30
	482436	P2D	2×30
	482437	P3D	3×30
= POZIDRIV® = DIN 5260-PZ POZIDRIV	EDP #	MODEL #	P × L
	482438	PZ1D	1×30
	482439	PZ2D	2×30
	482440	PZ3D	3×30
= PLAIN SLOT = DIN 5264-PLAIN SLOT	EDP #	MODEL #	w × L
	482441	4MMD	4×30
	482442	5MMD	5×30
	482443	6MMD	6×30



DIN 3126-E6.35

● DOUBLE END BIT HOLDERS

● FOR : P1D, P2D, P3D, PZ1D, PZ2D, PZ3D, 4MMD, 5MMD, 6MMD

= 1/4" HEX SHANK DRIVE = DIN 3126-D6.35	EDP #	MODEL #	O . A . L .
	482431	DBH-01 (NON MAGNETIC)	60
	482433	DBHM-01 (MAGNETIC)	60
	482432	DBH-02 (NON MAGNETIC)	62
	482434	DBHM-02 (MAGNETIC)	62

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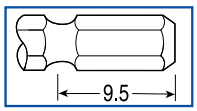
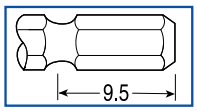
⬢ 1/4" = 6.35mm HEX DRIVE



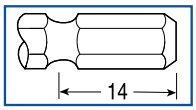
DIN 3126-E6.35

● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI

= FOR 1/4" HEX INSERT BITS = DIN3126-E6.35	EDP #	MODEL #	O . A . L .
	487365	BH421	2-1/8" (54mm)
	487366	BH44	4" (102mm)
	487367	BH46	6" (152mm)
	487370	BH423M(MAGNETIC)	2-31/32" (75mm)
	487371	BH44M (MAGNETIC)	4" (102mm)
	487372	BH46M (MAGNETIC)	6" (152mm)
	489198	3314/60	60
	489199	3314M/75(MAGNETIC)	75
	482420	HB	75

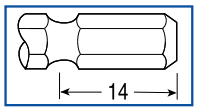


DIN 3126-E6.35



SUPER STRONG MAGNETIC SCREW CATCH BIT HOLDER

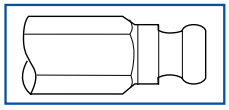
= FOR 1/4" HEX INSERT BITS =	EDP #	MODEL #	O . A . L .
Retainer	486345	MBC 9.5mm Retainer	71mm
	486583	MAC 14mm Retainer	71mm



⬢ 1/4" = 6.35mm HEX DRIVE

●FOR : HITACHI, MAKITA, MATSUSHITA, MAX, NPK, RYOBI, TONICHI, TOSHIBA, VESSEL, YOKOTA, YUTANI

= FOR 1/4" HEX INSERT BITS =	EDP #	MODEL #	O . A . L .
	482410	HA	75
	482415	HAM (MAGNETIC)	75



⬢ 5/16" = 8mm HEX DRIVE

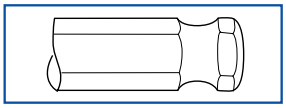
●FOR : BRIDGES, BUCKEYE-TOOLS, DEMAG (FMA), DESSOUTTER, FIAM, GRASSO, OBER, RUPES, SUHNER

= FOR 1/4" HEX INSERT BITS = DIN3126-D6.35	EDP #	MODEL #	O . A . L .
	489206	3414/50	50
	489207	3414M/54 (MAGNETIC)	54
	487368	BH42	2" (51mm)
	487373	BH42M (MAGNETIC)	3-3/16" (81mm)

= FOR 5/16" HEX INSERT BITS = DIN3126-D8	EDP #	MODEL #	O . A . L .
	489208	3416/60	60
	489209	3416M/70 (MAGNETIC)	70

(NOTE : 3314/60, 3314M/75, 3414/50, 3414M/54 CAN BE USED WITH FINDER SLEEVES AT PAGE 44)

⬢7/16" = 11mm HEX DRIVE



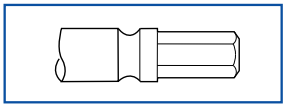
DIN 3126-E11.2

● FOR : AEG, ARO, ATLAS-COPCO, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CINCINNATI-ELECTRIC, CLARK, DEMAG (FMA), FEIN, HOLZ-HER, INGERSOLL, KELLER, MILWAUKEE-ELECTRIC, ROTOR TOOL, STANLEY, STAR, THOR, US-ELECTRIC, VAN DORN, VIRAX

= FOR 1/4" HEX INSERT BITS = DIN 3126-D6.35	EDP #	MODEL #	O . A . L .
	489210	3514/70	70
	489211	3514M/70 (MAGNETIC)	70

= FOR 5/16" HEX INSERT BITS = DIN 3126-D8	EDP #	MODEL #	O . A . L .
	489212	3516/70	70
	489213	3516M/70 (MAGNETIC)	70

⬢5.5mm HEX DRIVE

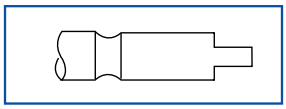


DIN 3126-A5.5

●FOR : AEG, BOSCH, DESOUTTER, FISCHER, HOLZ-HER, KRESS, METABO, PHÖNIX, WEIDMÜLLER

= FOR 1/4" HEX INSERT BITS = DIN 3126-D6.35	EDP #	MODEL #	O . A . L .
	489196	3214/50	50
	489197	3214M/70 (MAGNETIC)	70

◒Φ7mm SHANK

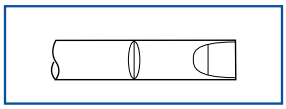


DIN 3126-G7

●FOR : AEG, BAIER, FEIN

= FOR 1/4" HEX INSERT BITS = DIN 3126-D6.35	EDP #	MODEL #	O . A . L .
	489214	014/65	65
	489215	014M/75 (MAGNETIC)	75

◑Φ7mm SHANK



●FOR : AUTOMATIC SPIRAL RATCHET DRIVERS (PUMP ACTION DRIVERS)

= FOR 1/4" HEX INSERT BITS =	EDP #	MODEL #	O . A . L .
	489216	Y014/60	60
	489217	Y014M/75 (MAGNETIC)	75

(NOTE : 3514/70, 3514M/70, 3214/50, 3214M/70, 014/65, 014M/75 CAN BE USED WITH FINDER SLEEVES AT PAGE 44)

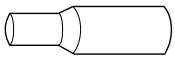
FINDER SLEEVES (COUPLING WITH 1/4" HEX OPENING BIT HOLDERS)

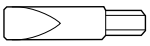
● FOR : 3214 (M), 3314 (M), 3414 (M), 3514 (M), 014 (M), Y014 (M)

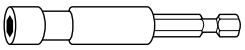
EDP #	MODEL #	SCREW HEAD SIZE (mm)	SLOT SIZE (mm)
489181	6603	3.2 to 4	3
489182	6635	3.6 to 4.5	3.5
489183	6604	4 to 5	4
489184	6645	4.6 to 5.6	4.5
489185	6605	4.8 to 6	5
489186	6655	5.6 to 7	5.5
489187	6606	6.1 to 8	6
489188	6665	6.6 to 8.2	6.5
489189	6607	7.1 to 9	7
489190	6675	7.6 to 9.5	7.5
489191	6608	8.1 to 10	8
489192	6685	8.6 to 10.5	8.5
489193	6609	9.1 to 11	9

COMBINATION OF FINDER SLEEVES AND BIT HOLDERS

FINDER SLEEVES + INSERT BITS (1/4" HEX) + BIT HOLDERS (FOR 1/4" HEX INSERT BITS)

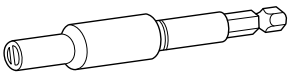




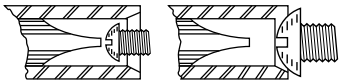


6603	5603/38	
6635	5635/38	3214 (M)
6604	5604/38	
6645	5645/38	3314 (M)
6605	5605/38	
6655	5655/38	3414 (M)
6606	5606/38	
6665	5665/38	3514 (M)
6607	5607/38	
6675	5675/38	014 (M)
6608	5608/38	
6685	5685/38	Y014 (M)
6609	5609/38	

Complete combination

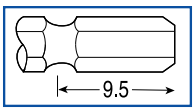


Avoids slip off with consequent come out of the insert bit from the screw head.



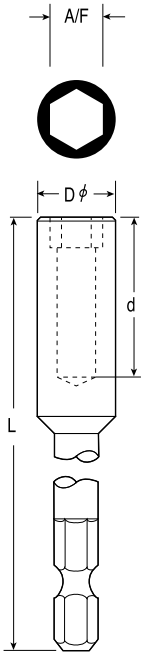
Wrong use

⬢1/4" = 6.35mm HEX DRIVE



DIN 3126-E6.35

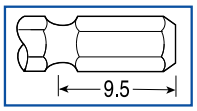
● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO,DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER,MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR,STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI



⬡ = METRIC = (NON MAGNETIC)	EDP #	MODEL #	A/F × D × d × L
	489301	1304/50	4 × 8 ×15× 50
	489302	1345/50	4.5× 8 ×15× 50
	489303	1305/50	5 × 8.5×15× 50
	489304	1355/50	5.5× 9 ×15× 50
	489305	1306/50	6 × 10 ×15× 50
	489306	1307/50	7 × 13 ×15× 50
	489307	1308/50	8 × 13 ×15× 50
	489308	1309/50	9 × 14 ×15× 50
	489309	1310/50	10 × 16 ×15× 50
	489310	1311/50	11 × 17 ×15× 50
	489311	1312/50	12 × 19 ×15× 50
	489312	1313/50	13 × 19 ×15× 50
	489313	1314/50	14 × 20 ×15× 50
	446601	1317/55	17 × 23 ×15× 55
	489314	1304/75	4 × 8 ×25× 75
	489315	1345/75	4.5× 8 ×25× 75
	489316	1305/75	5 × 8.5×25× 75
	489317	1355/75	5.5× 9 ×25× 75
	489318	1306/75	6 × 10 ×25× 75
	489319	1307/75	7 × 13 ×25× 75
	489320	1308/75	8 × 13 ×30× 75
	489321	1309/75	9 × 14 ×30× 75
	489322	1310/75	10 × 16 ×30× 75
	489323	1311/75	11 × 17 ×30× 75
	489324	1312/75	12 × 18 ×30× 75
	489325	1313/75	13 × 19 ×30× 75
	489326	1314/75	14 × 20 ×30× 75
	489327	1304/100	4 × 8 ×25×100
	489328	1345/100	4.5× 8 ×25×100
	489329	1305/100	5 × 8.5×25×100
	489330	1355/100	5.5× 9 ×25×100
	489331	1306/100	6 × 10 ×25×100
	489332	1307/100	7 × 13 ×25×100
	489333	1308/100	8 × 13 ×30×100
	489334	1309/100	9 × 14 ×30×100
	489335	1310/100	10 × 16 ×30×100
	489336	1311/100	11 × 17 ×30×100
	489337	1312/100	12 × 18 ×30×100
	489338	1313/100	13 × 19 ×30×100
	489339	1314/100	14 × 20 ×30×100
	446602	1305/150	5 × 8.5×25×150
	446603	1355/150	5.5× 9 ×25×150
	446604	1306/150	6 × 10 ×25×150
	446605	1307/150	7 × 13 ×25×150
	446606	1308/150	8 × 13 ×30×150
	446607	1310/150	10 × 16 ×30×150
	446608	1312/150	12 × 18 ×30×150
	446609	1313/150	13 × 19 ×30×150

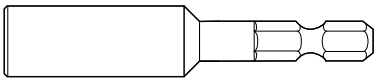
FASTENING BOLTS & NUTS

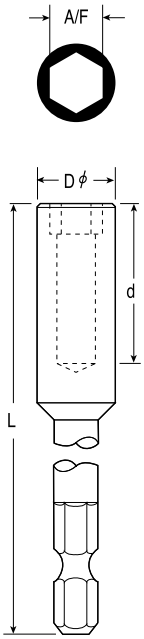
⬢ 1/4" = 6.35mm HEX DRIVE



DIN 3126-E6.35

● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO,DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER,MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR,STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI

⬡ = METRIC = (NON MAGNETIC)	EDP #	MODEL #	A/F × D × d × L
	424492	B45-5	7×12×10×50
	424493	B45-5	8×13×10×50
	424494	B45-5	10×16×10×50
	446610	16055/100	5.5×10×50×100
	446611	1607/100	7×12×50×100
	446612	1608/100	8×13×50×100
	446613	1610/100	10×16×50×100
	446614	1612/100	12×18×65×100
	446615	1613/100	13×19×65×100
	446616	1617/100	17×23×65×100
	446617	1619/100	19×25×65×110
	446618	1621/100	21×28×65×110
(MAGNETIC)	**EDP #**	**MODEL #**	**A/F × D × L**
	489340	1305/50M	5 ×8.5× 50
	489341	1355/50M	5.5× 9 × 50
	489342	1306/50M	6 ×10 × 50
	489343	1307/50M	7 ×13 × 50
	489344	1308/50M	8 ×13 × 50
	489345	1309/50M	9 ×14 × 50
	489346	1310/50M	10 ×16 × 50
	489347	1311/50M	11 ×17 × 50
	489348	1312/50M	12 ×19 × 50
	489349	1313/50M	13 ×19 × 50
	489350	1314/50M	14 ×20 × 50
	489351	1305/75M	5 ×8.5× 75
	489352	1355/75M	5.5× 9 × 75
	489353	1306/75M	6 ×10 × 75
	489354	1307/75M	7 ×13 × 75
	489355	1308/75M	8 ×13 × 75
	489356	1309/75M	9 ×14 × 75
	489357	1310/75M	10 ×16 × 75
	489358	1311/75M	11 ×17 × 75
	489359	1312/75M	12 ×18 × 75
	489360	1313/75M	13 ×19 × 75
	489361	1314/75M	14 ×20 × 75
	489362	1305/100M	5 ×8.5×100
	489363	1355/100M	5.5× 9 ×100
	489364	1306/100M	6 ×10 ×100
	489365	1307/100M	7 ×13 ×100
	489366	1308/100M	8 ×13 ×100
	489367	1309/100M	9 ×14 ×100
	489368	1310/100M	10 ×16 ×100
	489369	1311/100M	11 ×17 ×100
	489370	1312/100M	12 ×18 ×100
	489371	1313/100M	13 ×19 ×100
	489372	1314/100M	14 ×20 ×100
	446619	1305/150M	5 ×8.5×150
	446620	1355/150M	5.5× 9 ×150
	446621	1306/150M	6 ×10 ×150
	446622	1307/150M	7 ×13 ×150
	446623	1308/150M	8 ×13 ×150
	446624	1310/150M	10 ×16 ×150
	446625	1312/150M	12 ×18 ×150
	446626	1313/150M	13 ×19 ×150

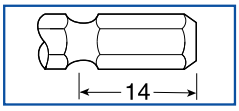


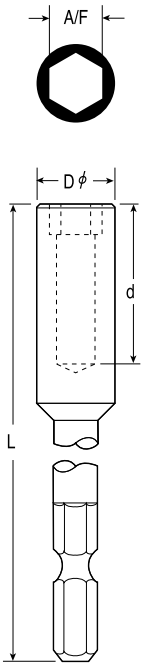
MARKETS

FASTENING BOLTS & NUTS

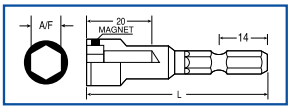
⬢1/4" = 6.35mm HEX DRIVE

●FOR : HITACHI, MAKITA, MATSUSHITA, MAX, NPK, RYOBI, TONICHI, TOSHIBA, VESSEL, YOKOTA, YUTANI





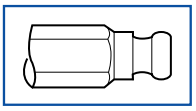
⬡ = METRIC = (NON MAGNETIC)	EDP #	MODEL #	A/F × D × d × L
	416080	A20	4.5×7.5×20× 55
	416081	A20	5 ×8.5×20× 55
	416082	A20	5.5×10 ×20× 55
	416083	A20	6 ×10 ×20× 55
	416084	A20	7 ×13 ×20× 55
	416181	A20	8 ×13 ×20× 55
	416182	A20	9 ×16 ×20× 55
	416188	A20	9.6×16 ×20× 55
	416183	A20	10 ×16 ×20× 55
	416184	A20	11 ×16 ×20× 55
	416185	A20	12 ×19 ×20× 55
	416186	A20	13 ×19 ×20× 55
	416187	A20	14 ×20 ×20× 55
	416189	A20	15 ×22 ×20× 55
	416190	A20	17 ×23 ×20× 55
	416281	A20	5.5×10 ×25×100
	416282	A20	6 ×10 ×25×100
	416283	A20	7 ×13 ×25×100
	416284	A20	8 ×13 ×25×100
	446627	A20	9 ×16 ×25×100
	446628	A20	9.6×16 ×25×100
	416286	A20	10 ×16 ×25×100
	446629	A20	11 ×16 ×25×100
	416287	A20	12 ×18 ×25×100
	416288	A20	13 ×19 ×25×100
	416289	A20	14 ×20 ×25×100
	446630	A20-3	5.5×10 ×50×100
	416383	A20-3	7 ×12 ×50×100
	416384	A20-3	8 ×13 ×50×100
	416386	A20-3	10 ×16 ×50×100
	416388	A20-3	12 ×18 ×65×100
	416389	A20-3	13 ×19 ×65×100
	446631	A20-3	17 ×23 ×65×100
	416390	A20-3	19 ×25 ×65×110
	416391	A20-3	21 ×28 ×65×110
	416392	A20-5	5.5×10 ×10× 50
	416394	A20-5	7 ×12 ×10× 50
	416396	A20-5	10 ×16 ×10× 50
(MAGNETIC)	**EDP #**	**MODEL #**	**A/F × D × L**
	446632	A20-M	9 ×16 × 55
	446633	A20-M	12 ×19 × 55
	446634	A20-M	13 ×19 × 55
	446635	A20-M	14 ×20 × 55
	446636	A20-M	8 ×13 ×100
	446637	A20-M	9 ×16 ×100
	446638	A20-M	9.6×16 ×100
	446639	A20-M	10 ×16 ×100
	446640	A20-M	12 ×18 ×100
	446641	A20-M	13 ×19 ×100
	446642	A20-M	14 ×20 ×100



FASTENING BOLTS & NUTS
⬢1/4" = 6.35mm HEX DRIVE

●FOR : HITACHI, MAKITA, MATSUSHITA, MAX, NPK, RYOBI, TONICHI, TOSHIBA, VESSEL, YOKOTA, YUTANI

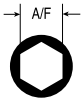
⬡ = SIDE-MAGNETIC TYPE =	EDP #	MODEL #	A/F × D × L
	446643	MA20S	7 ×13× 55
	482401	MA20S	8 ×13× 55
	482402	MA20S	9.6×16× 55
	482403	MA20S	10 ×16× 55

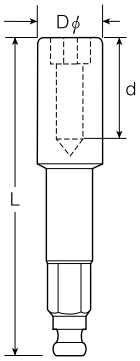


FASTENING BOLTS & NUTS
⬢5/16" = 8mm HEX DRIVE

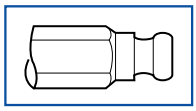
●FOR : BRIDGES, BUCKEYE-TOOLS, DEMAG (FMA), DESOUTTER, FIAM, GRASSO, OBER, RUPES, SUHNER

⬡ = METRIC = (NON MAGNETIC)	EDP #	MODEL #	A/F × D × d × L
	489472	1404/50	4 × 9×20× 50
	489473	1445/50	4.5× 9×20× 50
	489474	1405/50	5 × 9×20× 50
	489475	1455/50	5.5× 9×20× 50
	489476	1406/50	6 ×10×20× 50
	489477	1407/50	7 ×13×20× 50
	489478	1408/50	8 ×13×20× 50
	489479	1409/50	9 ×14×20× 50
	489480	1410/50	10 ×16×20× 50
	489481	1411/50	11 ×17×20× 50
	489482	1412/50	12 ×19×20× 50
	489483	1413/50	13 ×19×20× 50
	489484	1414/50	14 ×20×20× 50
	489485	1417/50	17 ×23×20× 50
	489486	1404/75	4 × 9×30× 75
	489487	1445/75	4.5× 9×30× 75
	489488	1405/75	5 × 9×30× 75
	489489	1455/75	5.5× 9×30× 75
	489490	1406/75	6 ×10×30× 75
	489491	1407/75	7 ×13×30× 75
	489492	1408/75	8 ×13×30× 75
	489493	1409/75	9 ×14×30× 75
	489494	1410/75	10 ×16×30× 75
	489495	1411/75	11 ×17×30× 75
	489496	1412/75	12 ×18×30× 75
	489497	1413/75	13 ×19×30× 75
	489498	1414/75	14 ×20×30× 75
	489499	1417/75	17 ×23×30× 75
	489500	1404/100	4 × 9×30×100
	489501	1445/100	4.5× 9×30×100
	489502	1405/100	5 × 9×30×100
	489503	1455/100	5.5× 9×30×100
	489504	1406/100	6 ×10×30×100
	489505	1407/100	7 ×13×30×100
	489506	1408/100	8 ×13×30×100
	489507	1409/100	9 ×14×30×100
	489508	1410/100	10 ×16×30×100
	489509	1411/100	11 ×17×30×100
	489510	1412/100	12 ×18×30×100
	489511	1413/100	13 ×19×30×100
	489512	1414/100	14 ×20×30×100
	489513	1417/100	17 ×23×30×100



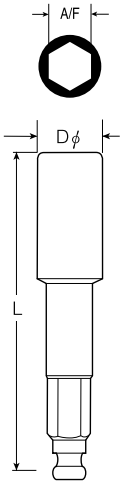


MARKETS

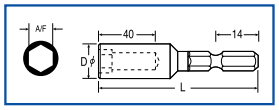


FASTENING BOLTS & NUTS
⬢ 5/16" = 8mm HEX DRIVE

●FOR : BRIDGES, BUCKEYE-TOOLS, DEMAG (FMA), DESOUTTER, FIAM, GRASSO, OBER, RUPES, SUHNER



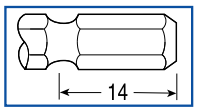
⬡ = METRIC = (NON MAGNETIC)	EDP #	MODEL #	A/F × D × L
	489514	1405/50M	5 × 9× 50
	489515	1455/50M	5.5× 9× 50
	489516	1406/50M	6 ×10× 50
	489517	1407/50M	7 ×13× 50
	489518	1408/50M	8 ×13× 50
	489519	1409/50M	9 ×14× 50
	489520	1410/50M	10 ×16× 50
	489521	1411/50M	11 ×17× 50
	489522	1412/50M	12 ×19× 50
	489523	1413/50M	13 ×19× 50
	489524	1414/50M	14 ×20× 50
	489525	1405/75M	5 × 9× 75
	489526	1455/75M	5.5× 9× 75
	489527	1406/75M	6 ×10× 75
	489528	1407/75M	7 ×13× 75
	489529	1408/75M	8 ×13× 75
	489530	1409/75M	9 ×14× 75
	489531	1410/75M	10 ×16× 75
	489532	1405/100M	5 × 9×100
	489533	1455/100M	5.5× 9×100
	489534	1406/100M	6 ×10×100
	489535	1407/100M	7 ×13×100
	489536	1408/100M	8 ×13×100
	489537	1410/100M	10 ×16×100
	489538	1412/100M	12 ×18×100
	489539	1413/100M	13 ×19×100
	489540	1414/100M	14 ×20×100
	489541	1417/100M	17 ×23×100



FASTENING BOLTS & NUTS
⬢ 8mm HEX DRIVE

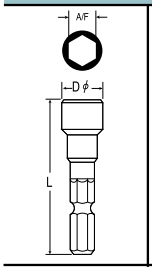
●FOR : HITACHI (WH-12DB), MATSUSHITA (EZ6608D), VESSEL (GT-P8D, P10S Ⅱ)

⬡ = METRIC = (NON MAGNETIC)	EDP #	MODEL #	A/F × D × L
	416582	A23-3	10×16×75
	416583	A23-3	12×18×75
	416584	A23-3	14×20×75
	416585	A23-3	17×23×75



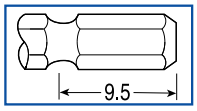
FASTENING BOLTS & NUTS
⬢ 5mm HEX DRIVE

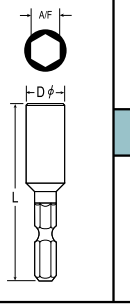
●FOR : DELVO, HIOS (FERRA TOOLS), HITACHI, MATSUSHITA, URYU, YOKOTA

⬡ = METRIC = (NON MAGNETIC)	EDP #	MODEL #	A/F × D × L
	422371	B44	5.5×10× 70
	422372	B44	6 ×10× 70
	422373	B44	7 ×13× 70
	422374	B44	8 ×13× 70
	422381	B44	5.5×10×100
	422382	B44	6 ×10×100
	422383	B44	7 ×13×100
	422384	B44	8 ×13×100
	422385	B44	10 ×16×100

FASTENING HEXHEAD SCREWS
⬢ 1/4" = 6.35mm HEX DRIVE

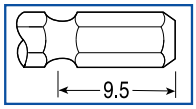
● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI



⬡ = METRIC = (NON MAGNETIC)	EDP #	MODEL #	A/F × D × L
	487405	VS4641	6×11.1×41.3
	487406	VS4741	7× 12 ×41.3
	487407	VS4841	8×12.7×41.3
	487408	VS4041	10×14.3×41.3
(MAGNETIC)	**EDP #**	**MODEL #**	**A/F × D × L**
	487400	VS4641M	6×11.1×41.3
	487401	VS4741M	7× 12 ×41.3
	487402	VS4841M	8×12.7×41.3
	487403	VS4041M	10×14.3×41.3
	482520	SBM	7× 13 ×65

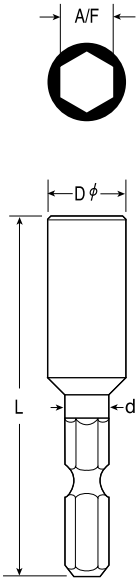
FASTENING HEXHEAD SCREWS

⬢ 1/4" = 6.35mm HEX DRIVE



DIN 3121-E6.35

● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI

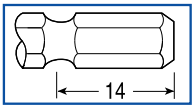


⬡ = INCH = (NON MAGNETIC)	EDP #	MODEL #	A/F × D × d × L
	487337	VS4415	1/4"×7/16"× 1-5/8"
	487338	VS4515	5/16"× 1/2"× 1-5/8"
	487339	VS4317	3/8"×9/16"× 1-7/8"
	487340	VS4429	1/4"×7/16"×5/16"×2-9/16"
	487343	VS4430	1/4"×7/16"× 3/8"×2-9/16"
	487341	VS4529	5/16"× 1/2"×5/16"×2-9/16"
	487344	VS4530	5/16"× 1/2"× 3/8"×2-9/16"
	487342	VS4329	3/8"×9/16"×5/16"×2-9/16"
	487345	VS4330	3/8"×9/16"× 3/8"×2-9/16"

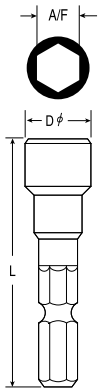
(MAGNETIC)	EDP #	MODEL #	A/F × D × d × L
	487350	VS4415M	1/4"×7/16"× 1-5/8"
	487352	VS4515M	5/16"× 1/2"× 1-5/8"
	487354	VS4315M	3/8"×9/16"× 1-3/4"
	487351	VS4429M	1/4"×7/16"×5/16"×2-9/16"
	487356	VS4430M	1/4"×7/16"× 3/8"×2-9/16"
	487353	VS4529M	5/16"× 1/2"×5/16"×2-9/16"
	487357	VS4530M	5/16"× 1/2"× 3/8"×2-9/16"
	487355	VS4329M	3/8"×9/16"×5/16"×2-9/16"
	487358	VS4330M	3/8"×9/16"× 3/8"×2-9/16"
	487359	VS4730M	7/16"× 5/8"× 3/8"×2-9/16"
	482521	SBM	5/16"× 13 × 7.4 ×65
	482522	SBM	3/8"× 13 × 7.4 ×65

FASTENING HEXHEAD SCREWS

⬢ 1/4" = 6.35mm HEX DRIVE



●FOR : HITACHI, MAKITA, MATSUSHITA, MAX, NPK, RYOBI, TONICHI, TOSHIBA, VESSEL, YOKOTA, YUTANI

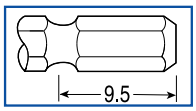


⬡ = MAGNETIC TYPE =	EDP #	MODEL #	A/F × D × L
	482510	SAM	7mm×13×55
	482511	SAM	5/16"×13×55
	482512	SAM	3/8"×16×55

(BLISTER PACKED FOR DIY USE. INNER 5 PCS. /OUTER 50 PCS.)

= BALL-LOCK TYPE =	EDP #	MODEL #	A/F × D × L
	482531	SB	5/16"×13×55
	482532	SB	3/8"×16×55

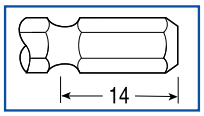
⬢1/4" = 6.35mm HEX DRIVE



DIN 3121-E6.35

● FOR : AEG, ARO, ATLAS-COPCO, BIAX, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CLECO, DELVO, DEPRAG, DESOUTTER, FIAM, FUJI-KUKI, GARDNER-DENVER, HIOS (FERRA TOOLS), HITACHI, INGERSOLL, KELLER, MAKITA, MALL, MATSUSHITA, METABO, NPK, PNEUTEC, PREMAG, ROCKWELL, ROTOR-TOOL, SKIL, STANLEY, STAR, STAYER, THOR, TONICHI, URYU, VAN-DORN, VIRAX, WOLF, YOKOTA, YUTANI

■ = MALE SQUARE = DIN 3121-E6.35/DIN 3121-E9.5	EDP #	MODEL #	SQ.	O . A . L
	487380	X5001	1/4" (6.35mm)	1-3/8" (35mm)
	487381	X5002	1/4" (6.35mm)	2" (51mm)
	487382	X5003	1/4" (6.35mm)	3" (76mm)
	487383	X5004	1/4" (6.35mm)	4" (102mm)
	487384	X5005	1/4" (6.35mm)	6" (152mm)
	487390	X5011	3/8" (9.5mm)	1-3/8" (35mm)
	487391	X5012	3/8" (9.5mm)	2" (51mm)
	487392	X5013	3/8" (9.5mm)	3" (76mm)
	487393	X5014	3/8" (9.5mm)	4" (102mm)
	487394	X5015	3/8" (9.5mm)	6" (152mm)

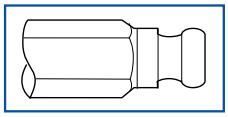


⬢1/4" = 6.35mm HEX DRIVE

●FOR : HITACHI, MAKITA, MATSUSHITA, MAX, NPK, RYOBI, TONICHI, TOSHIBA, VESSEL, YOKOTA, YUTANI

■ = MALE SQUARE =	EDP #	MODEL #	SQ.	O . A . L
	486321	BSQ-2	1/4" (6.35mm)	45
	486323	BSQ-4	1/2" (12.7mm)	55

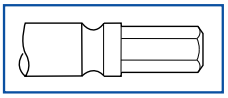
(1PC. BLISTER PACKED FOR DIY USE. INNER 5 PCS.)



⬢5/16" = 8mm HEX DRIVE

●FOR : BRIDGES, BUCKEYE-TOOLS, DEMAG (FMA), DESOUTTER, FIAM, GRASSO, OBER, RUPES, SUHNER

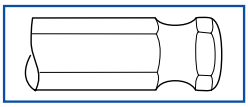
■ = MALE SQUARE = DIN 3121-E6.35/DIN 3121-E9.5	EDP #	MODEL #	SQ.	O . A . L
	489542	414/50	1/4" (6.35mm)	50
	489544	414/100	1/4" (6.35mm)	50
	489543	438/50	3/8" (9.5mm)	100
	489545	438/100	3/8" (9.5mm)	100



⬢ 5.5mm HEX DRIVE

● FOR : AEG, BOSCH, DESOUTTER, FISCHER, HOLZ-HER, KRESS, METABO, PHÖNIX, WEIDMÜLLER

■ = MALE SQUARE =	EDP #	MODEL #	SQ.	O . A . L
	489581	214/50	1/4" (6.35mm)	50

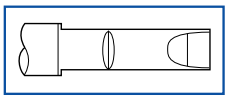


⬢ 7/16"=11mm HEX DRIVE

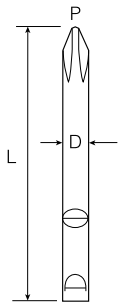
● FOR : AEG, ARO, ATLAS-COPCO, B & D, BOSCH, BUCKEYE-TOOLS, CHICAGO-PNEUMATIC, CINCINNATI-ELECTRIC, CLARK, DEMAG (FMA), FEIN, HOLZ-HER, INGERSOLL, KELLER, MILWAUKEE-ELECTRIC, ROTOR TOOL, STANLEY, STAR, THOR, US-ELECTRIC, VAN DORN, VIRAX

■ = MALE SQUARE =	EDP #	MODEL #	SQ.	O . A . L
	489600	538/70	3/8" (9.5mm)	70
	489601	538/100	3/8" (9.5mm)	100

FOR : AUTOMATIC SPIRAL RATCHET DRIVERS (PUMP ACTION DRIVERS)

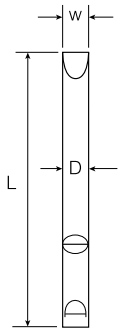


C61 : VESSEL No.1500×240/300
C62 : VESSEL No.1500×440
C63 : VESSEL No.1500×620

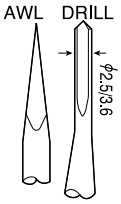


= CROSS POINT =	EDP #	MODEL #	P × D × L (HEAT TREATMENT)
	489633	Y001/55	1×5.5×55
	489634	Y002/55	2×5.5×55
	441031	C61	1×5.5×60 H
	441041	C61	2×5.5×60 H
	489635	Y001/70	1× 7 ×70
	489636	Y002/70	2× 7 ×70
	442031	C62	1× 7 ×90 H
	442041	C62	2× 7 ×90 H
	442051	C62	3× 7 ×90 G
	443041	C63	2× 8 ×90 H
	443051	C63	3× 8 ×90 G

= POZIDRIV =	EDP #	MODEL #	P × D × L
	489637	Y001/55PZ	1×5.5×55
	489638	Y002/55PZ	2×5.5×55
	489639	Y001/70PZ	1× 7 ×70
	489640	Y002/70PZ	2× 7 ×70

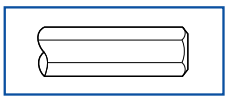


= PLAIN SLOT =	EDP #	MODEL #	w × D × L (HEAT TREATMENT)
	489641	Y603/55	3 ×5.5×55
	489642	Y645/55	4.5×5.5×55
	489643	Y655/55	5.5×5.5×55
	441071	C61	4 ×5.5×60 E
	441072	C61	6 ×5.5×60 E
	489644	Y655/70	5.5× 7 ×70
	489645	Y606/70	6 × 7 ×70
	489646	Y665/70	6.5× 7 ×70
	442071	C62	6 × 7 ×90 E
	442072	C62	8 × 7 ×90 E
	443071	C63	7 × 8 ×90 E
	443072	C63	9 × 8 ×90 E



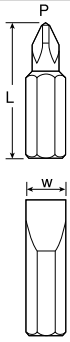
= OTHERS =	EDP #	MODEL #	P × D × L (HEAT TREATMENT)
	441073	C61	AWL×5.5×60 G
	441075	C61	φ2.5×5.5×60
	441076	C61	φ3.6×5.5×60

※ POZIDRIV · · · · POZIDRIV system is patented and registered as the trademark of EIS corp. in U.K. We at VESSEL CO., INC. has a manufacturing license in Japan and selling same to the world.

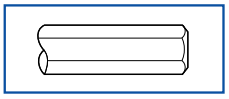


⬢ FOR : BIT-HOLDING SCREWDRIVERS WITH HEX OPENING 1/4"

C93 : VESSEL NO.860, TD-50

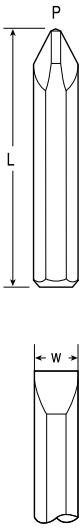


✚ = CROSS POINT =	EDP #	MODEL #	P × L
	444031	C91	1×25
	444041	C91	2×25
⊖ = PLAIN SLOT =	**EDP #**	**MODEL #**	**w × L**
	444071	C91	5×25
	444072	C91	7×25
✚ = COMBINATION = ⊖	**EDP #**	**MODEL #**	**P × w × L**
	444841	C93	2×6×32



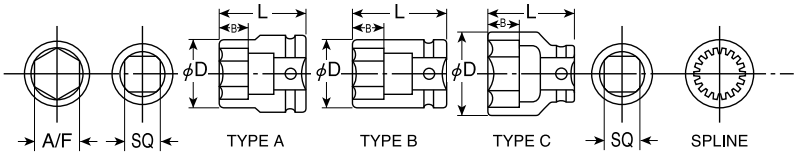
⬢ FOR : HAND IMPACT DRIVERS

C50 : VESSEL NO.2300 & 2600A
C51 : VESSEL NO.2400 & 2500



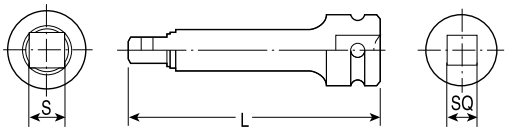
✚ = CROSS POINT = (1/4" HEX SHANK)	EDP #	MODEL #	P × L (HEAT TREATMENT)
	431301	C50	1×125 G
	431302	C50	2×125 G
	431303	C50	3×125 G
(8mm HEX SHANK)	**EDP #**	**MODEL #**	**P × L (HEAT TREATMENT)**
	431041	C51	2×36 G
	431051	C51	3×36 E
	431061	C51	4×36 E
	431042	C51	2×80 G
	431052	C51	3×80 E
⊖ = PLAIN SLOT = (1/4" HEX SHANK)	**EDP #**	**MODEL #**	**w × L (HEAT TREATMENT)**
	431311	C50	5×125 G
	431312	C50	6×125 G
	431313	C50	7×125 G
(8mm HEX SHANK)	**EDP #**	**MODEL #**	**w × L (HEAT TREATMENT)**
	431171	C51	8×36 E
	431271	C51	10×36 E
	431273	C51	12×36 E
	431172	C51	8×80 E
	431272	C51	10×80 E

●FOR : POWER TOOLS



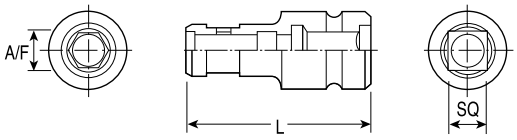
STANDARD LENGTH							
SQ	MODEL #	A/F	TYPE	SIZE D	SIZE B	SIZE L	EDP #
8.0mm■ 5/16"	A21	7	A	12	4.5	25	471107
		8	A	13	5	25	471108
		9	A	14	5.5	25	471109
9.5mm■ 3/8"	A22	8	A	13	5	32	472108
		9	A	14.5	6	32	472109
		10	A	16	7	32	472110
		12	B	19	8	32	472212
		13	B	20	8	32	472213
		14	C	22	8	34	472214
		15	C	23	10	34	472215
		17	C	25.5	10	34	472217
12.7mm■ 1/2"	A24-1	9	A	16	6	35	474109
		10	A	17.5	8	35	474110
		12	A	20.5	8	35	474112
		13	A	21	9	35	474113
		14	A	23	10	38	474114
		17	B	27	12	38	474117
		19	C	30	14	40	474119
		21	C	33	14	40	474121
		22	C	34	14	43	474122
		23	C	35	14	43	474123
		24	C	36.5	15	43	474124
		26	C	39	15	45	474126
		27	C	40	10	45	474127
19.0mm■ 3/4"	A25-1	17	A	27.5	12	48	475117
		19	A	30.5	13	48	475119
		21	A	33	14	50	475121
		22	A	34.5	14	50	475122
		23	A	36	14	50	475123
		24	B	38	15	53	475124
		26	C	40	15	53	475126
		27	C	42	16	53	475127
		29	C	44	16	55	475129
		30	C	46	18	55	475130
		32	C	49	22	55	475131
		35	C	53	22	58	475132
		36	C	54.5	23	58	475136
		38	C	58	23	60	475138
	A25-3 (SQ)	17	B	37.5	21	67	475317
		20	C	39.5	13	67	475320
25.4mm■ 1"	A26-1	21	A	36	14	57	476121
		22	A	37.5	14	57	476122
		23	A	38.5	14	57	476123
		24	A	40	15	57	476124
		26	A	43	15	57	476126
		27	A	45	16	60	476127
		29	A	47	16	60	476129
		30	B	49	22	62	476130
		32	B	52	18	62	476132
		35	C	55	19	62	476135
		36	C	56	19	62	476136
		38	C	59	26	68	476138
		41	C	63	26	68	476141
		46	C	69	28	72	476146
		50	C	73	25	75	476150
	A26-3 (SQ)	17	A	40	23	76	476317
		20	A	45	23	76	476320
		21	A	47	19	76	476321
SPLINE	A27-1	32	A	50	22	73	477132
		35	B	54	22	73	477135
		36	B	56	28	73	477136
		38	B	56	28	78	477138
		41	B	59		82	477141
					20		
	A27-3 (SQ)	17	A	40	20	78	477317
		20	A	45	20	78	477320
		21	A	45		78	477321

LONG LENGTH							
SQ	MODEL #	A/F	TYPE	SIZE D	SIZE B	SIZE L	EDP #
8.0mm■ 5/16"							
9.5mm■ 3/8"							
12.7mm■ 1/2"	A24-2	12	A	19.5	15	52	474212
		13	A	20.5	15	52	474213
		14	A	22	17	52	474214
		17	A	26	17	52	474217
		19	B	28	17	52	474219
		21	C	31.5	17	52	474221
		22	C	33	20	52	474222
		23	C	34	20	52	474223
		24	C	35.5	20	52	474224
		26	C	38	20	75	474226
19.0mm■ 3/4"	A25-2	17	A	26	17	60	475217
		19	A	29	17	60	475219
		21	A	32	17	60	475221
		22	A	33	20	60	475222
		23	A	34.5	20	60	475223
		24	A	36	20	60	475224
		26	C	40	20	85	475226
		27	C	41	26	100	475227
		29	C	42.5	26	100	475229
		30	C	44	26	100	475230
		32	C	47.5	26	100	475232
		35	C	51.5	26	100	475235
		36	C	52	26	100	475236
		38	C	55.5	28	100	475238
25.4mm■ 1"	A26-2	23	A	37	23	100	476223
		24	A	38	25	100	476224
		26	A	41	25	100	476226
		27	A	42	26	100	476227
		29	A	45	26	100	476229
		30	A	46	26	100	476230
		32	A	48	26	100	476232
		35	B	52	26	100	476235
		36	C	54	30	100	476236
		38	C	56	30	100	476238
		41	C	59	35	100	476241



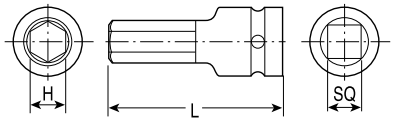
EXTENSION BARS

EDP #	MODEL #	S × SQ × L
474400	A24-2	12.7×12.7×100
475400	A25-2	19 × 19 ×150
476400	A26-2	25.4×25.4×160
476401	A26-2	25.4×25.4×200



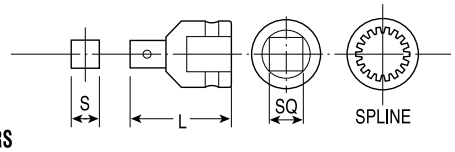
SOCKET ANVILS

EDP #	MODEL #	A/F × SQ × L
479201	A30	6.35× 9.5×45
479202	A30	8 × 9.5×48
479401	A30	6.35×12.7×49
479402	A30	8 ×12.7×51



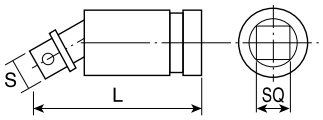
HEX HEAD SOCKETS

EDP #	MODEL #	H × SQ × L
478204	A29-2	4× 9.5×50
478205	A29-2	5× 9.5×50
478206	A29-2	6× 9.5×50
478208	A29-2	8× 9.5×60
478210	A29-2	10× 9.5×60
478212	A29-2	12× 9.5×60
478405	A29-4	5×12.7×60
478406	A29-4	6×12.7×60
478408	A29-4	8×12.7×60
478410	A29-4	10×12.7×68
478412	A29-4	12×12.7×68
478414	A29-4	14×12.7×78
478417	A29-4	17×12.7×78
478510	A29-5	10×19.0×87
478512	A29-5	12×19.0×87
478514	A29-5	14×19.0×87
478517	A29-5	17×19.0×87



ADAPTERS

EDP #	MODEL #	S × SQ × L
479403	A31	12.7× 9.5×36
479504	A31	19 ×12.7×50
479605	A31	25.4× 19 ×64
479706	A31	25.4×SP5×69



UNIVERSAL JOINTS

EDP #	MODEL #	S × SQ × L
479821	A32	9.5× 9.5×51
479841	A32	12.7×12.7× 68
479851	A32	19 × 19 ×112
479861	A32	25.4×25.4×128

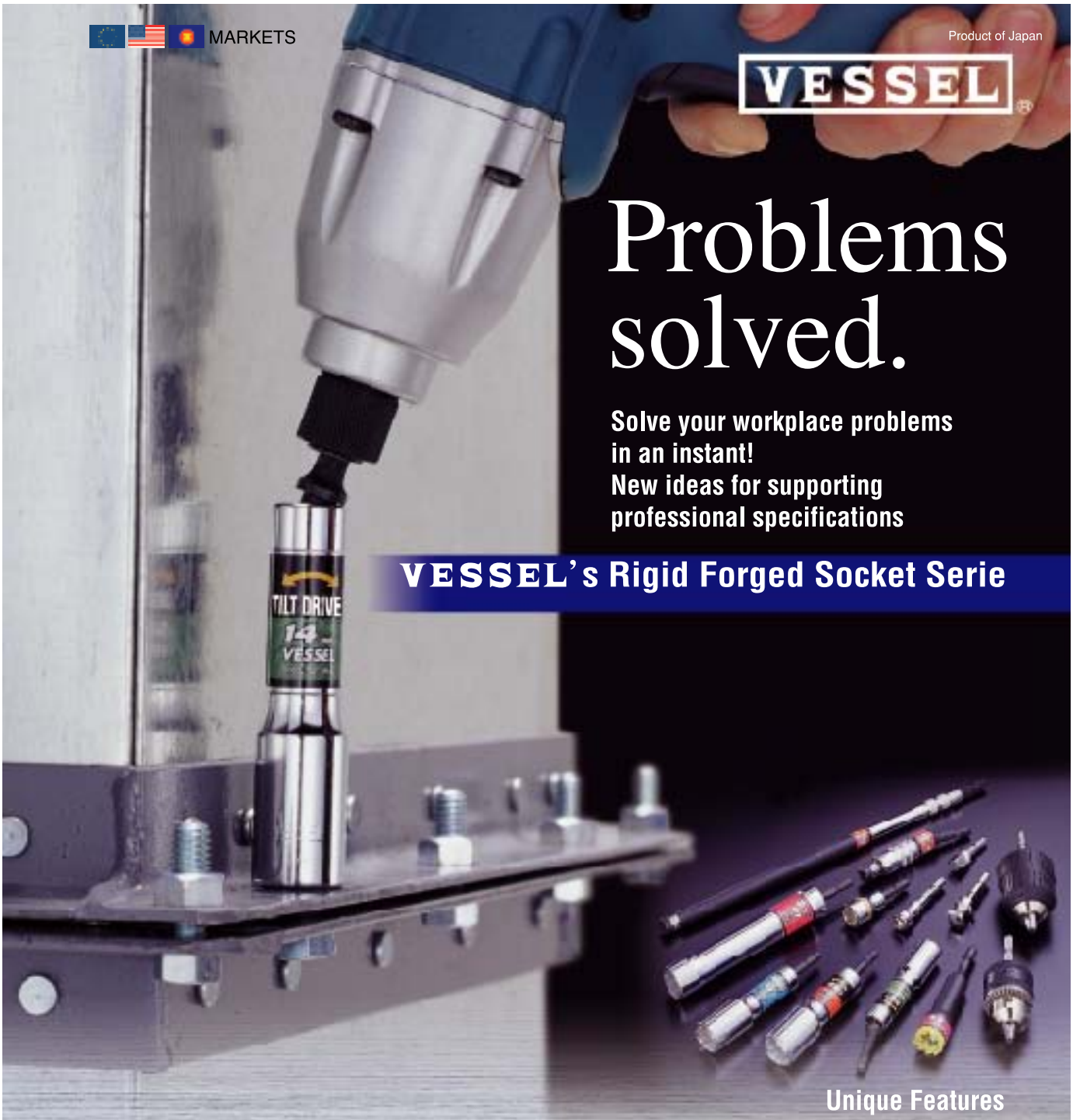
Product of Japan

VESSEL®

Problems solved.

Solve your workplace problems in an instant!
New ideas for supporting professional specifications

VESSEL's Rigid Forged Socket Serie



Unique Features

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

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

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

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

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

Impact power drill 6.35mm
Designed for use with power drills

Tilt Drive 15° and Straight Lockable
Pull to bend, push to lock. Very convenient for working in corners.

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

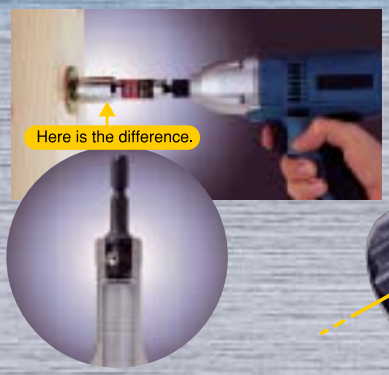
Long specification for reaching across distances
Long sockets are needed for deep or tight spots. VESSEL makes available super long sockets and long extension adapters.

VESSEL's "GO-TAN" or Rigid Forged Socket Series

Superb performance in a socket! Tilt Driving for corner jobs. Lockable & Bendable Neck

Push to Lock

If not obstructed by anything, pushing locks the neck enabling use as a deep socket.

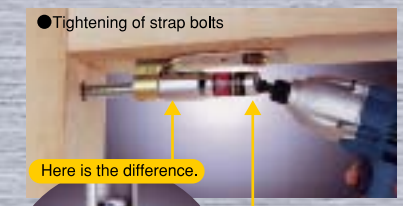


Securely locked by ball retainer.

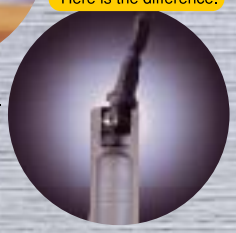
Pull to Bend

When tightening in corners, pull the socket and bend the neck to work more easily.

●Tightening of strap bolts



Nut holder lets you check where the nut is.



Smooth turning

Tightening of duct coupling

Easy fit over nuts

12-Point type

Surface contact protects nuts against damage!

10° ~15° Tilting so tool does not get in the way

Chamfer Angle

Chamfer angle is 26° 36° on all Vessel sockets and hexagon bit shaft ends. This is the same angle as on plus bits, so the Rigid Forged Sockets perfectly match the power tool chucks. With sockets of other manufacture, Tilt Angle does not match tool angle, which causes problems such as the bit groove biting at the pole position or the socket getting stuck when used with high torque impact drivers.

Socket is stuck!

The shaft is retained to match tool angle, so the socket fits the ball.

Because the tool and shaft angles do not match, the ball slips when contacting the bottom and gets stuck.

To meet best retaining in tool anvil, be sure if it's 13mm or 9.5mm distance to the retainer steel ball from the bit end.

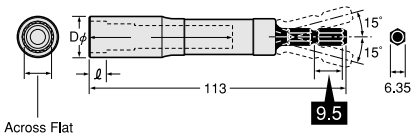
Tilt Sockets

Super performance socket that can be used tilted or locked

New

PAT.P.

Tilt Drive 15° and Straight Lockable | Surface contact in 12-point | 26°30' Chamter | Nut retaining at end | Impact power drill 6.35mm | Color-coded by size



Box of 5 Case of 100

Model No.	EDP No.	A / F mm	Dϕ mm	ℓ Length mm	Full length mm
WB451011	486373	10	16	6.5	113
WB451211	486374	12	18	7.5	113
WB451311	486375	13	19	8	113
WB451411	486376	14	20	8	113
WB451711	486377	17	23	9	113
WB451911	486378	19	25	10	113
WB452111	486379	21	28	11	113

Tilt Bit Holders

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

New

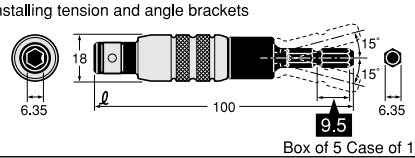
PAT.P.

Tilt Drive 15° and Straight Lockable | 26°30' Chamter | Smooth Turning Grip | Impact power drill 6.35mm

Thanks to a hand-turned grip, users can work in a stable posture.
※Do not turn attachments idly when mounted on a power tool.

When tightening in corners, users can apply pressing force vertical to the screw, so the screw head and bit are not damaged.

Installing tension and angle brackets



Box of 5 Case of 100

Model No.	EDP No.	Bit insertion mm	Outer diameter mm	Full length mm
WB45J100	486381	**6.35**	18	100

Tilt Socket Adapters

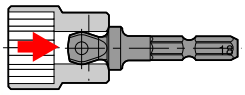
Use your own sockets and tilted up to 15°.

New

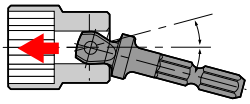
PAT.P.

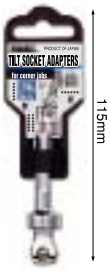
Tilt Drive 15° and Straight Lockable | 26°30' Chamter | Impact power drill 6.35mm

Push in-Straight Driving



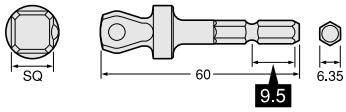
Pull out-Tilt Driving





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



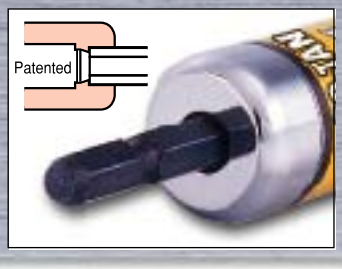
Box of 5 Case of 100

Model No.	EDP No.	Socket insertion mm	Diameter mm	Full length mm
B45WSQ3	486382	**9.5**	13	50
B45WSQ4	486383	**12.7**	16	60

To meet best retaining in tool anvil, be sure if it's 13mm or 9.5mm distance to the retainer steel ball from the bit end.

VESSEL's "GO-TAN" or Rigid Forged Socket Series

Here's the difference from just a good-looking socket. Excellent durability and ease of use!



Patented Axial Press-fitting

Because the shaft and socket have been heat-treated to the best hardness, they are strong against twisting (twice as strong as single body sockets). Vessel has also patented the structure that prevents the shaft from slipping free (1.5 x the slip-resistance of competitor products). Even in extended use, sockets do not rattle or slip.

Enlarged cross-section of 12-corner socket

Surface contact in 12-point

With 12 corners rather than 6, sockets fit smoothly over nuts. The performance is particularly appreciated in extensive tightening work required when rigging forms or scaffolding. More surface area grabs the nut, whereby preventing damage to head corners.

Deep Hole Sockets

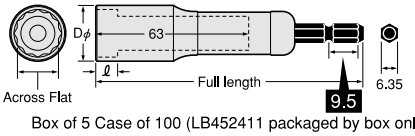
Strong against slipping and twisting thanks to Vessel's patented Axial Press-fitting! Easily fits over nuts thanks to a 12-point bite.

New

PAT.P.

Tightening of step clamp

Surface contact in 12-point | Axial press-fitting | 26°30' Chamfer | Nut retaining at end | Impact power drill 6.35mm | Color-coded by size



Box of 5 Case of 100 (LB452411 packaged by box only.)

Model No.	EDP No.	A/F mm	Dφ mm	ℓ Length mm	Full length mm
LB450811	486951	8	14	6.5	110
LB451011	486952	10	16	6.5	110
LB451211	486953	12	18	7.5	110
LB451311	486954	13	19	8	110
LB451411	486955	14	20	8	110
LB451711	486957	17	23	9	110
LB451911	486958	19	25	10	110
LB452111	486959	21	28	11	110
LB452411	486960	24	32	13	110

Super Long Sockets

Extra length and strength. Reaches completely to the rear.

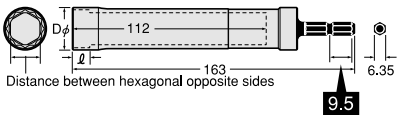
New

PAT.P.

Hanger bolts for duct installation

Surface contact in 12-point | Axial press-fitting | 26°30' Chamfer | Nut retaining at end | Impact power drill 6.35mm | Color-coded by size | Long specification for reaching across distances

Handy for tightening protruding bolts (i.e.,anchor bolts, form ties, hanger bolts, overhead cement hangers, etc.).



Box of 5 Case of 100

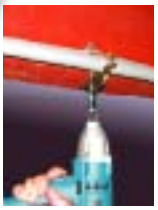
Model No.	EDP No.	A/F mm	Dφ mm	ℓ Length mm	Full length mm
XB451715	486384	17	23	9	163
XB451915	486385	19	25	10	163
XB452115	486386	21	27	11	163

Sockets

Excellent durability

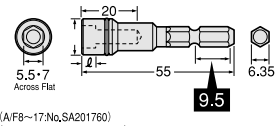
New

PAT.P.

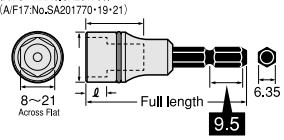


Installing piping or wiring supports

Axial press-fitting | 26°30' Chamfer | Nut retaining at end | Impact power drill 6.35mm | Color-coded by size



32 (A/F8~17:No.SA201760)
32 (A/F17:No.SA201770·19·21)



Box of 5 Case of 100

Model No.	EDP No.	A/F mm	Dφ mm	ℓ Length mm	Full length mm
SB455555	486961	5.5	10	3.5	55
SB450755	486962	7	13	5	55
SB450860	486963	8	13.5	6.5	60
SB459660	486964	9.6	16	6.5	60
SB451060	486965	10	16	6.5	60
SB451260	486966	12	18	8	60
SB451360	486967	13	19	8	60
SB451460	486968	14	20	8	60
SB451760	486970	17	23	9	60
Semi-long Type New Box of 5 Case of 100					Box of 5 Case of 100
SB451770	486387	17	23	9	70
SB451970	486388	19	25	10	70
SB452170	486389	21	28	11	70

To meet best retaining in tool anvil, be sure if it's 13mm or 9.5mm distance to the retainer steel ball from the bit end.

VESSEL's "GO-TAN" or Rigid Forged Socket Series

Tighten screws in high, deep and tight places!

High places
Roof installation

A ring nut setter is the best choice for securely fastening screws in high places as when anchoring angled plates in the middle.

Deep and tight places

A long bit holder is best when working near obstructions or over hard to reach distances.

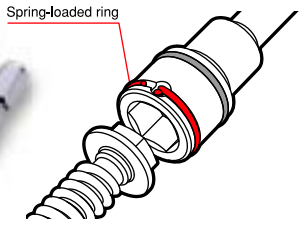
Ring Nut Setters

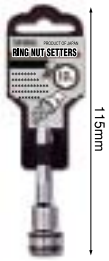
Holds screws tight without slipping or dropping.
Allows you to work by one hand in high places.

New

PAT.P.

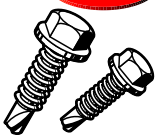
26°30' Chamfer | Impact power drill 6.35mm | Color-coded by size

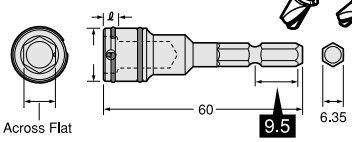




Magnets attract iron dust. Ball locks loose the ball. ··· The spring-loaded ring solves those problems by securely holding the screw!

- As a drill screw
- As a flanged hexagon head screw





Box of 5 Case of 100

Model No.	EDP No.	A/F mm	Dϕ mm	ℓ Length mm	Full length mm
SBR0860	486392	8	13	3	60
SBR9660	486393	9.6	16	4	60
SBR1060	486394	10	16	5	60

Long Bit Holders

Recommended for working in tight, limited and deep.

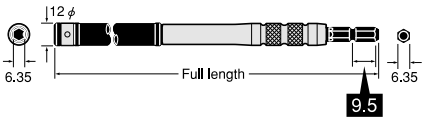
New

PAT.P.

26°30' Chamfer | Smooth Turning Grip | Impact power drill 6.35mm

Thanks to a hand-turned grip, users can work in a stable posture.
※Do not turn attachments idly when mounted on a power tool.

- Tightening screws in high places or when nearby obstructions make work difficult.
- Problems are quickly solved with a 6.35 mm hexagon bit or long type bit.



Box of 5 Case of 100

Model No.	EDP No.	Bit insertion mm	Outer diameter mm	Full length mm
B45EXJ150	486395	6.35	12	150
B45EXJ300	486396	6.35	12	300

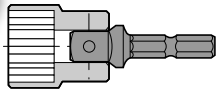
Socket Adapters

Applicable with ordinary sockets.

New

PAT.P.

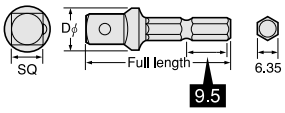
26°30' Chamfer | Impact power drill 6.35mm



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

High hardness HRC60 to prevent wear on corners

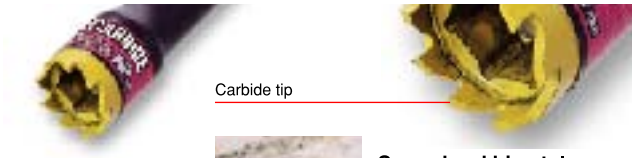
Axial press-fitting is not effective with all sockets.
Minimized wear is the key to single body adapters.



Box of 5 Case of 100

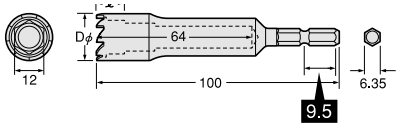
Model No.	EDP No.	Socket insertion mm	Diameter mm	Full length mm
GBSQ2	486397	6.35	8	45
GBSQ3	486398	9.5	13	45
GBSQ4	486399	12.7	16	55

To meet best retaining in tool anvil, be sure if it's 13mm or 9.5mm distance to the retainer steel ball from the bit end.



Carbide tip

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



Box of 5 Case of 100

Model No.	EDP No.	A/F mm	Dϕ mm	ℓ Length mm	Full length mm
B451210G	486390	12	20	11	100

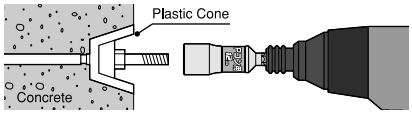
Sockets for Plastic Cone

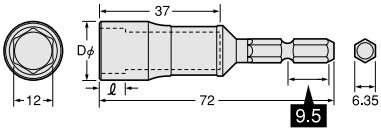
Use for setting and pulling plastic cones in concrete framing work.

New

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

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





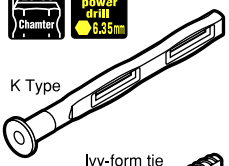
Box of 5 Case of 100

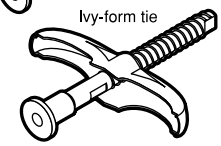
Model No.	EDP No.	A/F mm	Dϕ mm	ℓ Length mm	Full length mm
B451275	486975	12	18	8	72

Form Tie Sockets

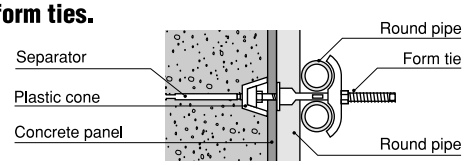
Use for setting and striking form ties.

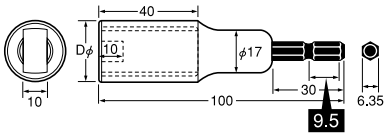
26°30' Chamfer | Impact power drill 6.35mm





Either type can be used





Box of 5 Case of 100

Model No.	EDP No.	A/F mm	Dϕ mm	Full length mm
GB45F101	486391	10	25	100

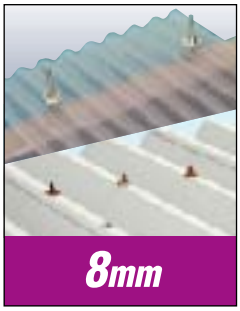
To meet best retaining in tool anvil, be sure if it's 13mm or 9.5mm distance to the retainer steel ball from the bit end.

VESSEL's "GO-TAN" or Rigid Forged Socket Series

VESSEL's Socket Series come in 12 sizes for handling professional jobs.
Select the type you need according to use and thread size.

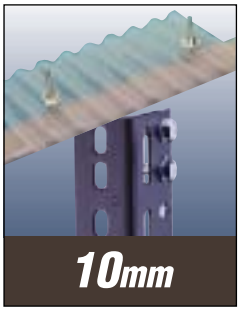
Electric product assembly and disassembly
Coupling of hexagon tapping screw and nuts-and-bolts.

Installing casters and adjuster bolts, pipe saddles on ALC, etc.



Installing corrugated sheet (hook bolts), drilling screws in middle of roof angled plates, etc.

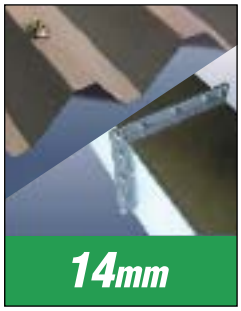
Installing fixtures on C beams (Drill screws, etc.)



Installing corrugated sheet (hook bolts), steel furniture assembly, coach screws, etc.

Installing slate and corrugated sheet (hook bolts), forms (plastic cones), etc.

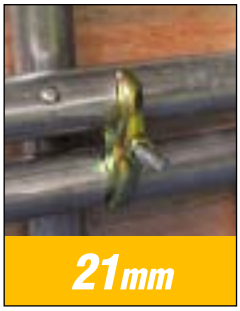
Installing materials on hollow walls (hollow wall hangers), coach screws, equipment and piping work, etc.



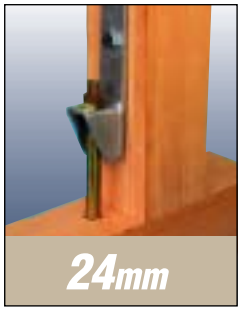
Installing corrugated sheet (hook bolts) and ducts, equipment and piping work, etc.

Scaffolding work (clamps), cable rack assembly, coach screws, etc.

Strap bolts, coach screws, etc.



Form tie nuts, Strap bolts, coach screws, etc.



Hangers (bolts-and-washers, anchor bolts), etc.

To meet best retaining in tool anvil, be sure if it's 13mm or 9.5mm distance to the retainer steel ball from the bit end.

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

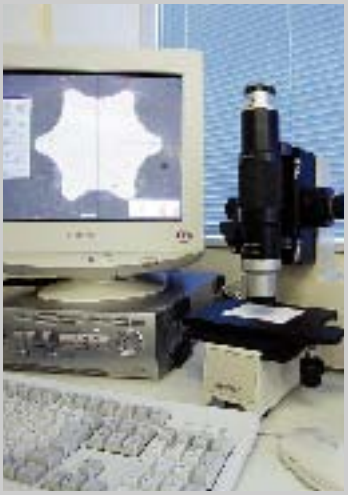
Accuracy of size and shape are essential in the manufacture of precision bits. Therefore our bit materials are stocked as bars, before being machined or shaped. This reduces the possibility of changes due to heat treatment or stress in the manufacturing process. Not only shaping accuracy but also uniform 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.

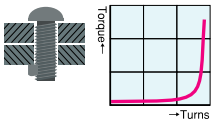
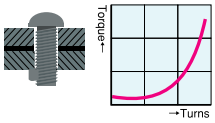
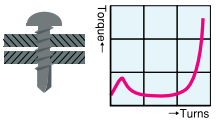
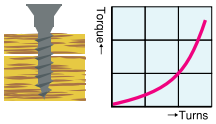
X — H — G — E — S

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

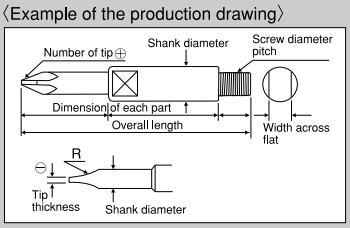
Order-Made Bits

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

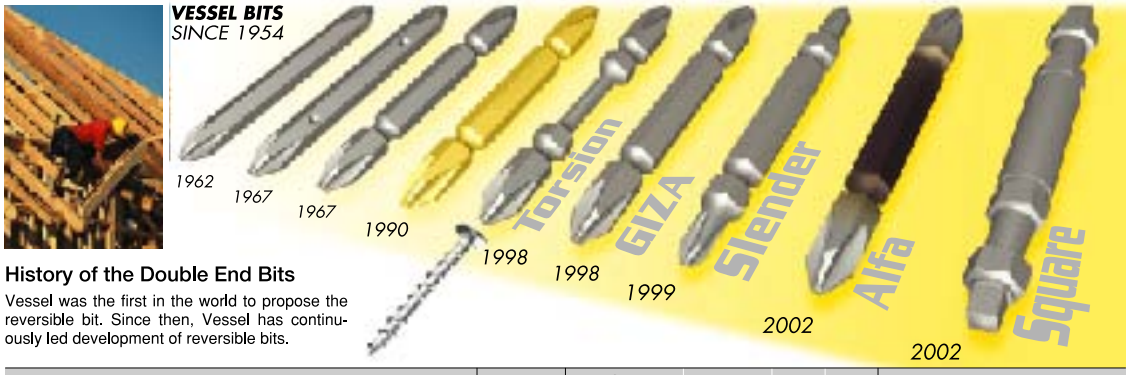
In case you cannot find your application in our standard selections, we offer special-make bits. In order to avoid misunderstanding on its application, you are kindly requested to inform us on following specific points.
Samples of concerned bits Screws to be fastened with Drawings of particular bits
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〉



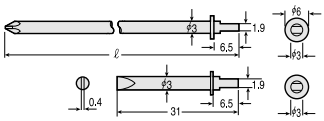
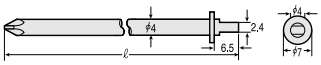
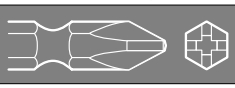
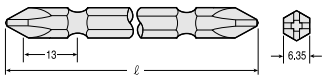
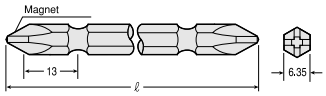
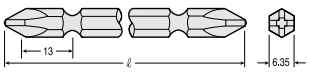
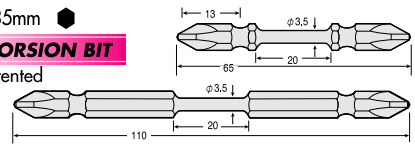
※Necessary information
Overall length, shank diameter, shank length, outer diameter, number of tip, tip thickness, distance between opposite sides of hex. head, surface treatment, heat treatment classification

For Pneumatic and Electric Power Bits (Type A)



History of the Double End Bits

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

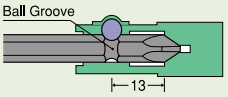
Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
3mm ⊖ 	A7	⊕ 0× 36	H	10	100	VESSEL GT-H2
		70	H	10	100	
		100	H	10	100	
		⊕ 1× 36	H	10	100	
		70	H	10	100	
		100	H	10	100	
		⊖ 3× 31	G	10	100	
4mm ⊖ 	A9	⊕ 1× 40	H	10	100	VESSEL GT-H3P
		70	H	10	100	
		⊕ 2× 40	H	10	100	
		70	H	10	100	
6.35mm ⬢ ⊕ 1 ⊕ 2	A11	⊕ 1× 50	H	10	100	Uryu US-3 US-3W
		75	H	10	100	
		⊕ 2× 50	G.E	10	100	
		⊕ 2×100	G	10	100	
 H6.35mm						VESSEL GT-H4R·H4PR·H4.5·H5R·H5P·PH4·PH5·S4.5D·S4.5DR·PLR·PLZ·PLP·PLHII·S6MLR·S6HS·S6.5D·P4.5D·P4.5DR·P5LS·P6GD·P6XD·P6LSIII·P6MS·P6HS·P6.5D·S4TR·S4TS·S4TG·S5TR·S5TB·S5TG·S5TS
6.35mm ⬢ 	A14	⊕ 1× 45	H	10	100	NPK SD-4 ND-5LPY·6LFAY·6HSY·6HPAY·6SDY·6PDY NPW-450A·DYO·550A·DYO·450EA·DYO·450A·TDY·550A·TDY 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 MAX AT-ID750P Yutani D-6SSAEL·5WPEA·6SPAL·6SPALE·600SHEA·6WSHPEA·602A·6SHPAL DH-4.5PEA Yokota YLa-70B·80B YX-180SB·280SB·380SB·500SB·80B·180B·280B·380B·500B YD-400SCB·4.5PBZK·65PBZ·65PTBZ·600PBZ·650PBZ·40PBZ·4.5LBZ·6WBZK·600SBZ·670B·670B-F·670B-R·670B-RF Y-40SB·41B·46B Toshiba CBL-144VA Hitachi Koki WH-6DC·8DYA·9DM·9DM2·10AC·10VA2·12DM·12DMR·12DM2·12VB·12AB·12DK·12VA·12VC·12VD·14DM·14VA·14DH WP-10A·12DM, W-6M·6MV·5VC·5VD·6VC·6VH·6VJ·8V·W4SA·W5VE·6MV2 Makita TD-124D, 123D, 130D, 150D, 1000D, 061D 6919D, 6990D, 6960D, 6919N, 6954, 6954SP, 6954SPK, 6904V, 6700N, AD603, FS230D 6812, 6812SP, 6813SP, 6801N Matsushita EZ-7200·6507·7201·6506·6502·6605·6582·6404·6120·6780·7301·7270·7202·7203 EZT141·640·607·610·611·612 Ryobi ID-8·12·80·121·130·140, CID-800, BID-1211·900·1220·1255·1230·121·122·123, AID-10 Tonichi AUR5N
		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	

●The models in blue letters are the screwdrivers for light steel substrates and boards. It is recommended to use a 45mm long bit.

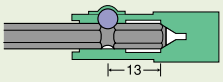
●For the order, specify the Model No., size, heat treatment class and quantity. Ex.) A14 ⊕2×65H 100 pcs.

■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.

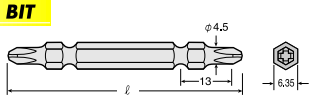
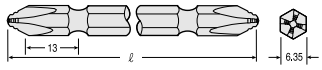
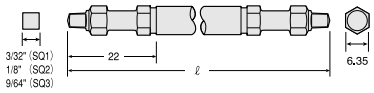
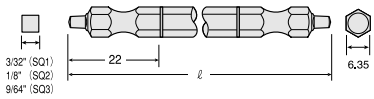
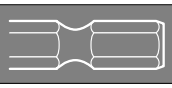
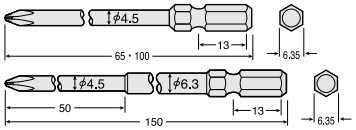
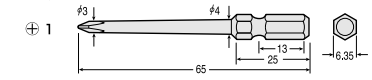
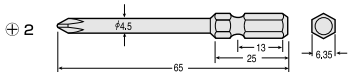
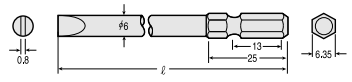
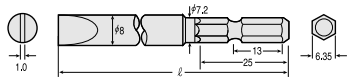
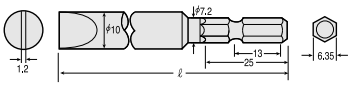
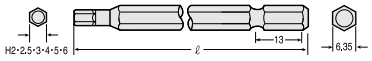
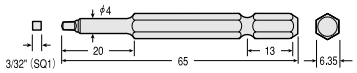
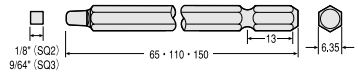


TYPE 6.35mm ⬢
A14,M-A14,A14H,A14B,AL14,AT14
AS14,AZ14



TYPE 6.35mm ⬢
AZ16,A16

For Pneumatic and Electric Power Bits (Type A)

Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.
SLENDER BIT 	AS14 MG Magnetic	⊕ 1×65	H	5	100
		⊕ 2×45	H	5	100
		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

Applicable models

VESSEL
GT-H4R·H4PR·H4.5·H5R·H5P·PH4·PH5·S4.5D·S4.5DR·PLR·PLZ·PLP·PLHⅡ·S6MLR·S6HS·S6.5D·P4.5D·P4.5DR·P5LS·P6GD·P6XD·P6LSⅢ·P6MS·P6HS·P6.5D·S4TR·S4TS·S4TG·S5TR·S5TB·S5TG·S5TS

NPK
SD-4
ND-5LPY·6LFAY·6HSY·6HPAY·6SDY·6PDY
NPW-450A-DYO·550A-DYO·450EA-DYO·450A-TDY·550A-TDY

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

MAX
AT40750P

Yutani
D-6SSAEL·5WPEA·6SPAL·6SPALE·600SHEA·6WSHPEA·602A·6SHPAL
DH-4.5PEA

Yokota
YL8-70B·80B
YX-180SB·280SB·380SB·500SB·80B·180B·280B·380B·500B
YD-400SCB·4.5PBZK·65PBZ·65PTBZ·600PBZ·650PBZ·40PBZ·4.5LBZ·6WBZK·600SBZ·670B·670B-F·670B-R·670B-RF
Y-40SB·41B·46B

Toshiba
□BL-144VA

Hitachi Koki
WH-6DC·8DYA·9DM·9DM2·10AC·10VA2·12DM·12DMR·12DM2·12VB·12AB·12DK·12VA·12VC·12VD·14DM·14VA·14DH
WP-10A·12DM

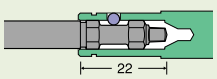
Makita
TD-124D, 123D, 130D, 150D, 1000D, 061D
6919D, 6990D, 6960D, 6919N, 6954, 6954SP, 6954SPK, 6904V, 6700N, AD603, FS230D

Matsushita
EZ-7200·6507·7201·6506·6502·6605·6582·6404·6120·6780·7301·7270·7202·7203
EZT141·640·607·610·611·612

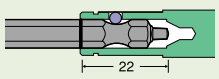
Ryobi
□D-8·12·80·121·130·140, □□D-800,
□□D-1211·900·1220·1255·1230·121·122·123, A□D-10

Tonichi
AUR5N

●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.)

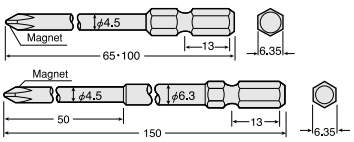
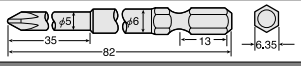
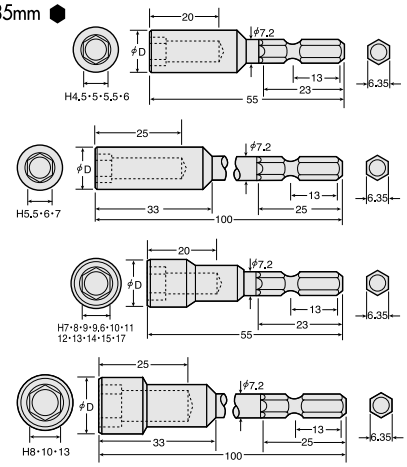
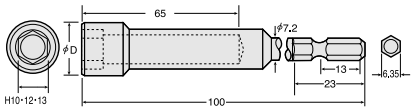
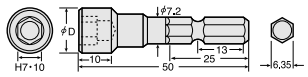
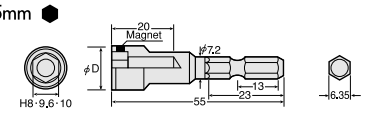


TYPE 6.35mm ⬢
A14 (SQ)



TYPE 6.35mm ⬢
A14R

For Pneumatic and Electric Power Bits (Type A)

Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.
H6.35mm					
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	12×65×100	18	10	100
		13×65×100	19	10	100
	A20-5	A/F 7×50	13	10	200
		10×50	16	10	150
6.35mm ⬢ 	MA20S Side magnet	A/F 5/16" (8mm)×55	13	10	100
		A/F 3/8" (9.6mm)×55	16	10	100
		A/F 10mm ×55	16	10	100

Applicable models

VESSEL
GT-H4R·H4PR·H4.5·H5R·H5P·PH4·PH5·S4.5D·S4.5DR·PLR·PLZ·PLP·PLHII·S6MLR·S6HS·S6.5D·P4.5D·P4.5DR·P5LS·P6GD·P6XD·P6LSIII·P6MS·P6HS·P6.5D·S4TR·S4TS·S4TG·S5TR·S5TB·S5TG·S5TS

NPK
SD-4
ND-5LPY·6LFAY·6HSY·6HPAY·6SDY·6PDY
NPW-450A-DYO·550A-DYO·450EA-DYO·450A-TDY·550A-TDY

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-55XD-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

MAX
AT4D750P

Yutani
D-6SSAEL·5WPEA·6SPAL·6SPALE·600SHEA·6WSHPEA·602A·6SHPAL
DH-4.5PEA

Yokota
YL-70B·80B
YX-180SB·280SB·380SB·500SB·80B·180B·280B·380B·500B
YD-400SCB·4.5PBZK·65PBZ·65PTBZ·600PBZ·650PBZ·40PBZ·4.5LBZ·6WBZK·600SBZ·670B·670B-F·670B-R·670B-RF
Y-40SB·41B·46B

Toshiba
CIBL-144VA

Hitachi Koki
WH-6DC·8DYA·9DM·9DM2·10AC·10VA2·12DM·12DMR·12DM2·12VB·12AB·12DK·12VA·12VC·12VD·14DM·14VA·14DH
WP-10A·12DM

Makita
TD-124D, 123D, 130D, 150D, 1000D, 061D
6919D, 6990D, 6960D, 6919N, 6954, 6954SP, 6954SPK, 6904V, 6700N, AD603, FS230D

Matsushita
EZ-7200·6507·7201·6506·6502·6605·6582·6404·6120·6780·7301·7270·7202·7203
EZT141·640·607·610·611·612

Ryobi
ID-8·12·80·121·130·140, CID-800,
BID-1211·900·1220·1255·1230·121·122·123, AID-10

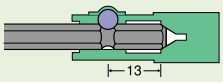
Tonichi
AUR5N

The magnet holds the bolt and nut.

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

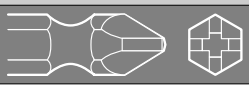
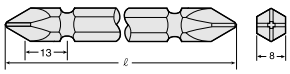
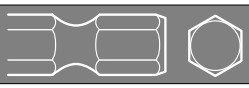
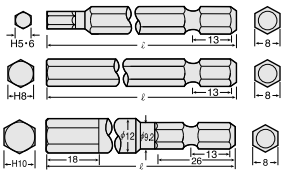
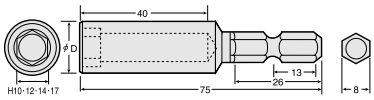
■Connection of a bit and a power tool

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

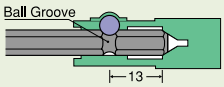


TYPE 6.35mm ⬢
M-A16,D81,A20,A20-3,
A20-5,MA20S

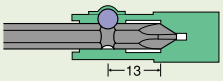
For Pneumatic and Electric Power Bits (Type A)

Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
 H8mm						VESSEL GT-P8D・P10SⅡ Hitachi Koki WH-14DA Matsushita 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.



TYPE 8mm ⬢
A19,A23-3

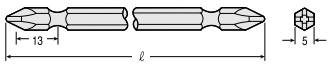
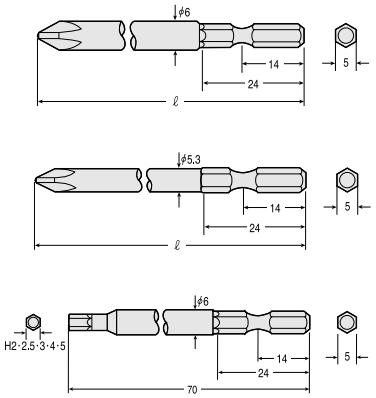
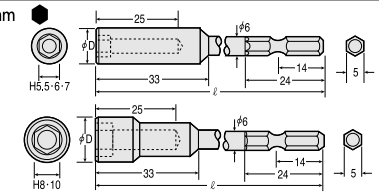


TYPE 8mm ⬢
A15

For Pneumatic and Electric Power Bits (Type B)

Developing Industrial Bits Since 1954

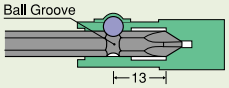
Vessel offers a wide range of items and extensive know-how for professional users. Vessel industrial bits are designed and developed for precision and durability using a vast repertoire of technology and years of experience meeting the strictest of demands.

Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
H5mm						**VESSEL** GT-S5TFR · S5TFB · S5TFG · S4TFR · S4TFS · S4TFG **Uryu** US-40 · 3.5A · 4 · 4PB US-LT20A series · LT30A series · LT40A series **Yokota** YD-3 · 4 · 400SC
5mm ⬢ 	B36	⊕ 1× 70	X.H	10	100	
		100	X.H	10	100	
		⊕ 2× 70	H	10	100	
		100	X.H	10	100	
		150	X.H	10	100	
		200	H	10	100	
H5mm						**VESSEL** GT-S4TFR · S4TFS · S4TFG S5TFR · S5TFB · S5TFG **Uryu** US-40 · 3.5A · 4 · 4PB US-LT20A series · LT30A series · LT40A series **Delvo** DLV-3121 · 3131 · 3141 · 3151 · 7120 · 7130 · 7140 · 7220 · 7231 · 7241 · 8120 · 8130 · 8140 · 8220 · 8231 · 8241 · 7122 · 7132 · 7142 · 7222 · 7232 · 7242 · 8122 · 8132 · 8142 · 8222 · 8232 · 8242 **Hios** VZ-1812 · 1812PS · 1820 · 1820PS · 3007 · 3007PS · 3012 · 3012PS **Matsushita** FE-A310S · A310MH · A310L · A111L · A111MH · A111M · A710AXN · A710MHN **Yokota** YD-3 · 4 · 400SC **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. φD10	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	

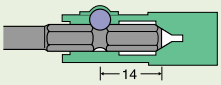
●For the order, specify the Model No., size, heat treatment class and quantity.
Ex.) B34 ⊕2×70H 100pcs.

■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.

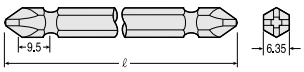
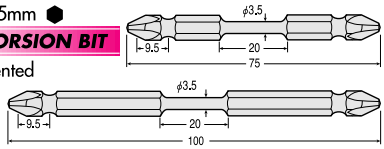
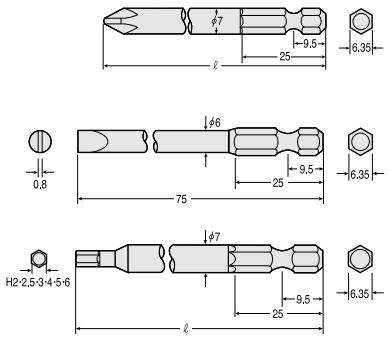
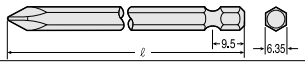
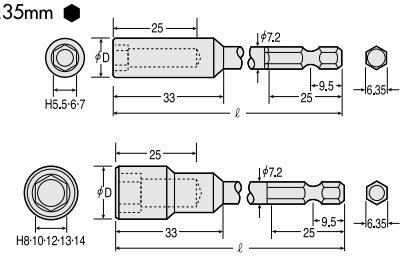


TYPE 5mm ⬢
B36



TYPE 5mm ⬢
B34,B44

For Pneumatic and Electric Power Bits (Type B)

Shape	Model No.	Size TipXOverall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.
H6.35mm					
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	H.E	10	100
		100	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	⊕ 2X3.5X75	H	10	100
		100	H	10	100
H6.35mm					
6.35mm ⬢ 	B35	⊕ 1× 50	X.H	10	100
		75	X.H	10	100
		⊕ 1X4.5X100	H	10	100
		⊕ 2× 50	X.G	10	100
		75	X.H.G.E	10	100
		100	H.G.E	10	100
		150	X.H.G.E	10	100
		⊕ 2X4.5X100	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

Applicable models

Uryu
UX·U·UW·ALPHA·UBP·UL·ULT Screwdrivers.
US-350W·45W·450WB·5W·50W·6W·350PW·450PW·5PW·6PW·652PW·50·5PB·5
US-LT60P·LT31PB·LT41PB·LT51PB·LT20B·LT30B-17·LT30B-11·LT40B-21·LT40B-15·LT50B·LT30BL·LT40BL·LT30B·LT40B·LT10B

NPK
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

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

Yutani
DH-6PL·6PLE·4.5PEB
D-600SHEB·6SPBLE·6WSHPE·8WPE·5WPEB·6SSBEL·602B·6WSHSB
DH-4.5SB·6SEL·6SELB

Yokota
TKa70A、YLa70A·80A
Y-41A·46A
YX-180SA·280SA·380SA·500SA·180A·280A ·280CA·380A·500A·80A·500CA
YEX-150A·501A·150SA·300SA·500SA·100SA·120A·120SA
YD-400SCA·500SCA·5PHCA·3A·4A·5A·6WAZK·65PZ·65PTZ·650PZ·40PZ·4.5PZK·600PZ·4.5SZ·4.5LAZ·600SZ·670A·670A-F·670A-R·670A-RF
Y-40SA

Atlas-Copco
LUM series·LUF series·TWIST series·ELI series·ETB series·COMBI series·EP series

Following Tool models are applicable only for the single end bits.

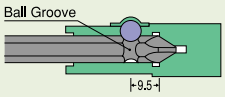
Hios
CL-9000、VZ-4504·4506

Delvo
DLV-8150·1141·1161·1171·7251·8251·8152·7252·8252

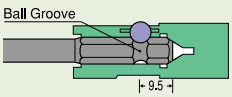
Kanon
N6·N12·N20·N30·N50·N100STDK
N6·N12·N20·N30·N50·N100LTDK
N10·N20·N50DPSK
N10·N20·N50DPSKII
9K-150P

Tonichi
U60CN~1000CN、ULR120CN~ULR250CN、UR500CN、MG60CN~250CN、MF6N~MF12N、LTD15CN~1000CN、RTD15CN~500CN、BMLD15CN~30CN、BMRD15CN~30CN、NTD15CN~1000CN、RNTD15CN~500CN、FTD50CN~400CN、FTD2CN-S·400CN2-S、STC50CN~STC400CN、RTDZ260CN、500CN

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

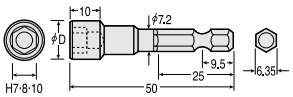
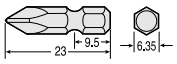
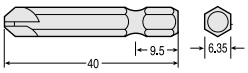
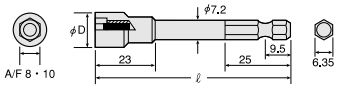
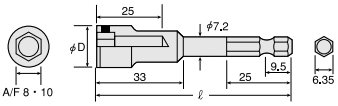
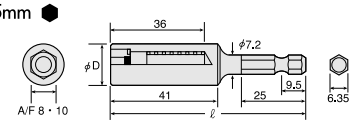


TYPE 6.35mm ⬢
B43,B43H,B43B,BT43



TYPE 6.35mm ⬢
B35,B39,B45

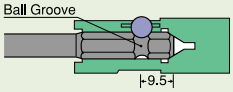
For Pneumatic and Electric Power Bits (Type B)

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	**VESSEL** GT-H4RC · H5RC · S6CD · PLRC **Uryu** US-3.5ACB · 4CA · 5CA · LT30B-11C · 17C, LT40B-08C · 05C · 15C **Utani** D-6WHCL **Yokota** YD-6AL YX-280CA · 500CA
		⊕ 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.

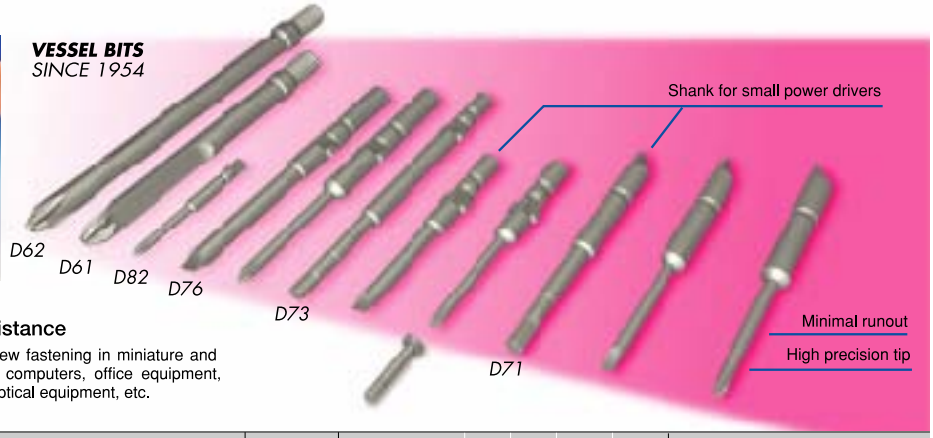
■Connection of a bit and a power tool

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



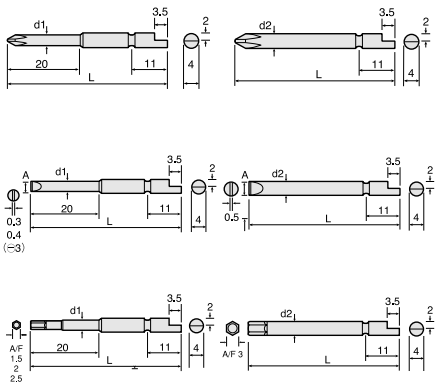
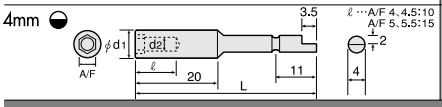
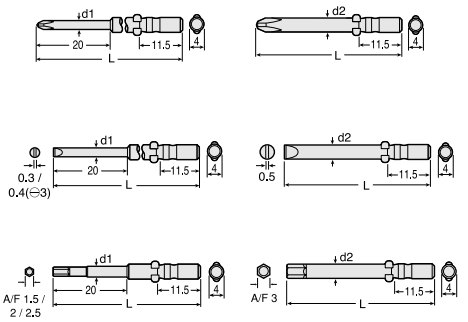
TYPE 6.35mm ⬢
B45-5,B39,MB45,MB45S,MB45D

Bits for small power screwdrivers

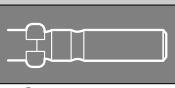
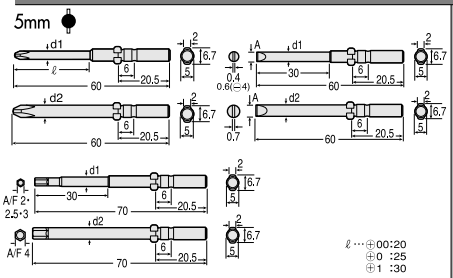
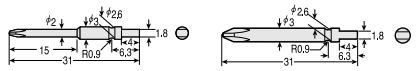


Excellent Wear Resistance

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							**Delvo** DLV-3321·3331·7020·7030·7031·7313·7319·7321·7323·7325·7329·7331·7333·7335·7339·7349·7410·7419·7420·7429·7810·7820·8020·8030·8031
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							**Hios** BL-3000·5000 CL-2000·3000·3000PS·4000·4000PS CLF-3000·4000、α-4500·4500PS·5000·5000PS αF-4500·5000、SS-2000·3000·3000PS·4000·4000PS、VZ-1510·1510PS CD-4000·4000PS·5000·5000PS **Kanon** 3K-110L·110P 2KD-100·200·300
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	

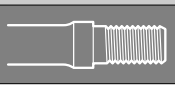
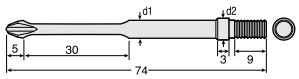
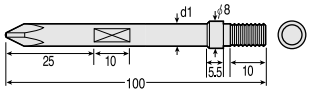
Bits for Screw Fastening Robots/Cordless Screwdriver

Shape	Model No.	Size TipXOverall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
 φ5mm						**Hios** BL-7000 CL-6000·6000PS·6500·6500PS·7000·7000PS CLF-6000·6500·7000、 α-6500·6500PS αF-6500 SS-6500·7000、 VZ-1812·1812PS·1820·1820PS·3007·3007PS·3012·3012PS CD-6000·6000PS·7000·7000PS ※BL-7000、VZ-1812·1812PS·1820·1820PS·3007·3007PS·3012·3012PS Also applicable for 5mm Hex. Usable w/ our B34·B44 bits.
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
		⊕ 1×31	H		10	100

Matsushita
NM-101 · 101L

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.

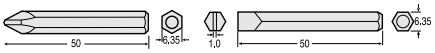
Shape	Model No.	Size	Cordless Driver Bits	Shank dia. (d1)	Shank dia. (d2)	Applicable models
 M5 M6						
	D61	⊕ 2× 74−M5 P0.8	2	5.0	6.0	
		⊕ 2× 74−M6 P1.0	2	6.0	7.0	
	D62	⊕ 2×100−M6 P1.0	2	6.0	—	

For Cordless Screwdriver

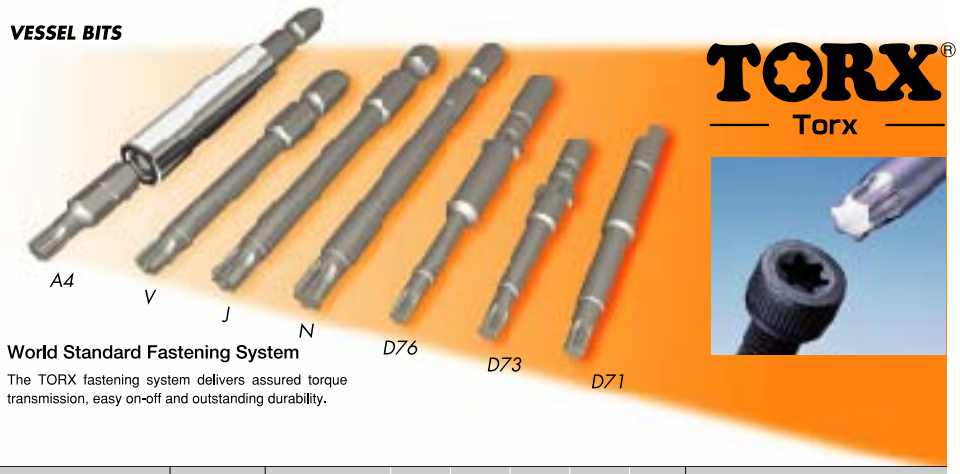
(For all types of drill chucking drivers)

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

6.35mm

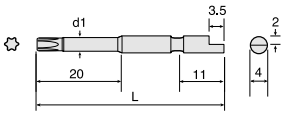
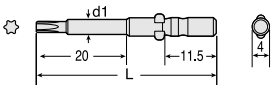
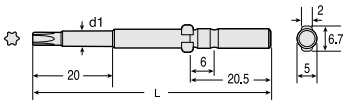
Shape	Model No.	Size TipXOverall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
	D85	⊕ 1×50		10	100	All types of drill chucking power drivers
		⊖ 6.3×50		10	100	

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



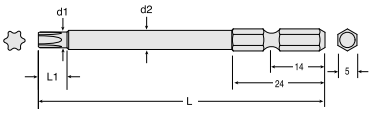
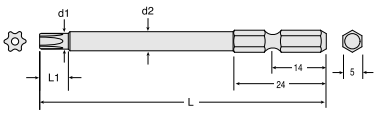
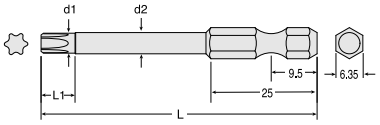
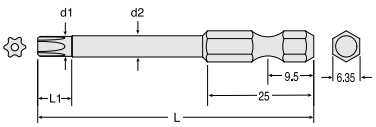
World Standard Fastening System

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

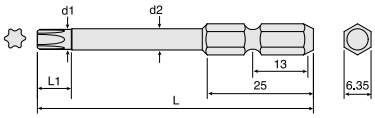
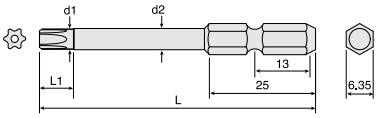
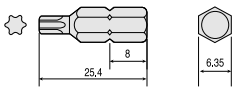
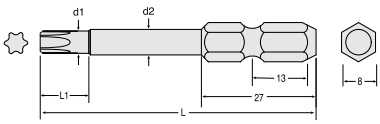
Shape	Model No.	Size Tip No.×Length (L)	Tip No.	mm	Shank dia. (d1)	Inner Ctn.	Outer Ctn.	Applicable models
ϕ4mm								**Delvo** DLV-3321·3331·7020·7030·7031·7313·7319·7321·7323·7325·7329·7331·7333·7335·7339·7349·7410·7419·7420·7429·7810·7820·8020·8030·8031
4mm 	D71	T1 ×44	T1	0.84	1.5	10	200	
		T2 ×44	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								**Hios** BL-3000·5000 CL-2000·3000·3000PS·4000·4000PS CLF-3000·4000、α-4500·4500PS·5000·5000PS αF-4500·5000、SS-2000·3000·3000PS·4000·4000PS、VZ-1510·1510PS CD-4000·4000PS·5000·5000PS **Kanon** 3K-110L·110P 2KD-100·200·300
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								**Hios** BL-7000 CL-6000·6000PS·6500·6500PS·7000·7000PS CLF-6000·6500·7000、α-6500·6500PS αF-6500 SS-6500·7000、VZ-1812·1812PS·1820·1820PS·3007·3007PS·3012·3012PS CD-6000·6000PS·7000·7000PS ※BL-7000、VZ-1812·1812PS·1820·1820PS·3007·3007PS·3012·3012PS Also applicable for 5mm Hex. Usable w/ our B34·B44 bits and N type as well.
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.

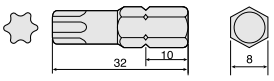
We at VESSEL CO., INC. manufacture various TORX® fastening tools with orignal technical data, and the production gages under the license by CAMCAR TEXTRON INC.

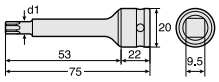
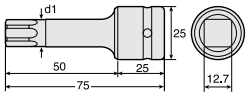
Shape	Model No.	Size Tip No.×Length (L)	Tip No.	mm	Shank dia. (d1)	Tip length (L1)	Shank dia. (d2)	Inner Ctn.	Applicable models
H5mm									
5mm 	N	T5 × 75	T5	1.37	1.67	6.5	4.0	10	P.72 Available on all B34 types
		T5 ×100 ☆	T5	1.37	1.67	6.5	4.0	10	
		T6 × 75	T6	1.65	1.95	6.5	4.0	10	
		T6 ×100	T6	1.65	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.73 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.69 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.83 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.71 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.

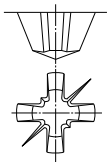
Shape	Model No.	Size Tip × Overall Length (L)	Cordless Driver Bits	mm	Shank dia. (d2)	Inner Ctn.	Applicable models
H8mm							
8mm 	A5	T30	T30	5.49	—	10	
		T40	T40	6.6	—	10	
		T45	T45	7.77	—	10	
		T50	T50	8.79	—	10	

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.

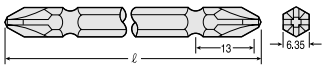
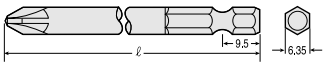
SUPADRIV® Bit

SUPADRIV®



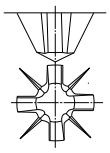
The basic shape is a cross recess of four equally-thick blades. The drive faces that the screwdriver contacts inside the recess are almost perpendicular, which raises drive efficiency and minimizes slipping. Further enhances the torque transfer and anti-"CAM-OUT" properties of the Pozidriv to deliver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

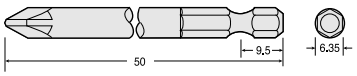
POZIDRIV® Bit

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	

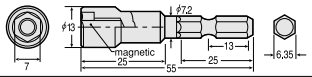
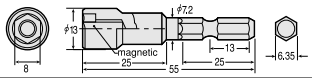
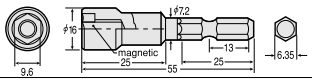
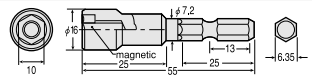
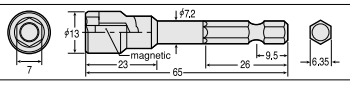
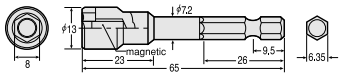
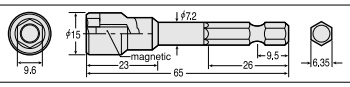
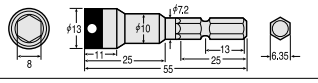
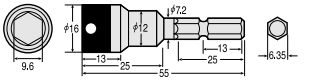
● SUPADRIV® and POZIDRIV® systems are patented and registered as the tradmark of EIS corp. in U.K.
We at VESSEL CO., INC. has a manufacturing license in Japan and selling same to the world.
●For the order, specify the Model No., size, heat treatment class and quantity. Ex.) A14 SDV1 × 65H 100pcs.

Nut Setters/Bit Holders

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.

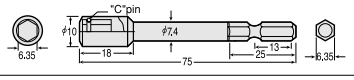
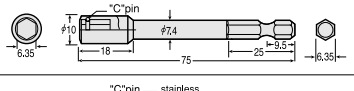
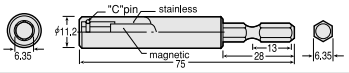
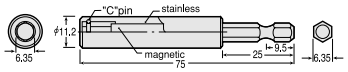
Hexagon Head Drill Screw
Hexagon head screw used for installing steel plate on steel plate, or wood, plywood or assembled members on steel plate as with siding, roofing and spandrel. Simultaneously drills, taps and fastens.

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.69 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.73 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.69 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.

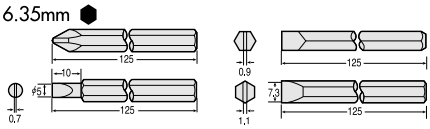
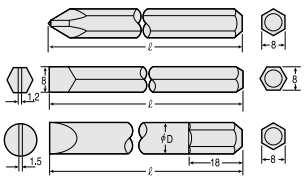
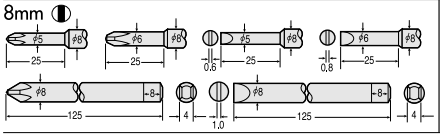
Shape	Model No.	Size Tip×Overall Length (ℓ)	Inner Ctn.	Outer Ctn.	Applicable models
	**HA**	A/F 6.3× 75	10	100	P.69 Available on all A16 types
	**HB**	A/F 6.3× 75	10	100	P.73 Available on all B35 types
	**HAM**	A/F 6.3× 75 (Bit holder with magnet)	10	100	P.69 Available on all A16 types
	**HBM**	A/F 6.3× 75 (Bit holder with magnet)	10	100	P.73 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

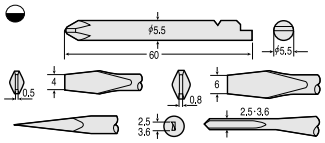
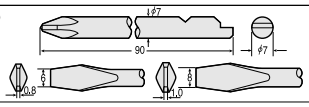
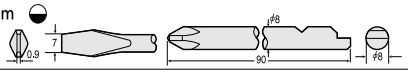
Designed for impact drivers that convert hammering impact into rotational force.
Strong enough heavy-duty use.

Shape	Model No.	Size Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
6.35mm 	C50	⊕ 1× 125	G	10		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	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	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 Tip×Overall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
5.5mm 	C61	⊕ 1× 60	H	10	100	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	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	VESSEL No.1500-620mm
		⊕ 3× 90	G	10	250	
		⊖ 7× 90	E	10	200	

Automatic Driver Bit Set

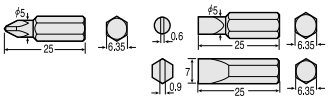
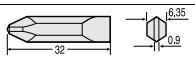
Model No.	of items	Set contents	Inner Ctn.	Outer Ctn.	Applicable models
C61-4 bit set	1 for each	C61 ⊕ 1 ⊕ 2 ⊖ 6 Awl × 60	1	100	Available on all C61 types
C62-3 bit set	1 for each	C62 ⊕ 1 ⊕ 2 ⊖ 6× 90	1	50	Available on all C62 types
C63-3 bit set	1 for each	C63 ⊕ 2 ⊕ 3 ⊖ 7× 90	1	50	Available on all C63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

Short Insert Bit

Short Bit (For hand drivers)

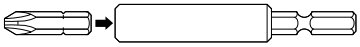
Designed for use with drivers that take 6.35 mm tips. Short total length. Easy to store.

6.35mm ⬢

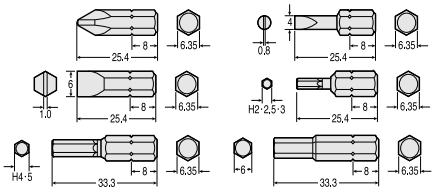
Shape	Model No.	Size TipXOverall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
	C91	⊕ 1×25		10	100	**VESSEL** 870-MG4 · 6800-MG4 **SHINKI** No.1800 · 1600 · 1920 · 1930 6.35mm ⬢ Available on all drivers with holder
		⊕ 2×25		10	100	
		⊖ 5×25		10	100	
		⊖ 7×25		10	100	
	C93	⊖6×⊕2×32		10	100	**VESSEL** NO.860 **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 TipXOverall Length (ℓ)	Heat treatment classification	Inner Ctn.	Outer Ctn.	Applicable models
	B33	⊕ 1×25.4	H	10	100	**VESSEL** Bit holder (P.81) 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

AMMUNITIONS!

WRIST BAND

WAIST AROUND

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

Problem Solver Bits

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.

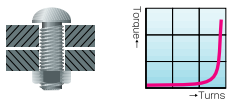
- Idea for hard screws including coarse threads, board screws and stainless steel screws

Suitable Joining Grade: A B D

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

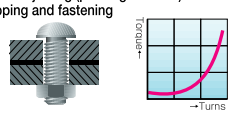
Joining Grade

A
Rigid joining, screw fastening



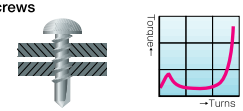
- Resistance is low at first but increases rapidly the instant the screw head sits.
- Requires comparatively little time to fasten.

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



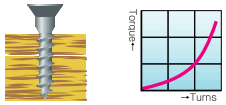
- Resistance increases with every turn of the screw. Resistance increases even after seating.
- Requires comparatively little time to fasten.

C
Fastening of drill screws and tapping screws



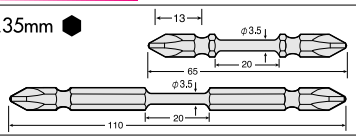
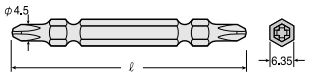
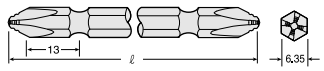
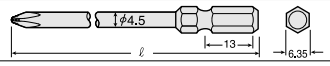
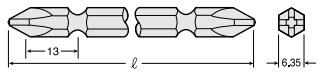
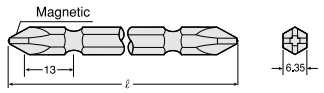
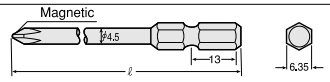
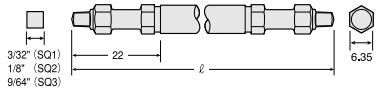
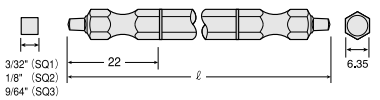
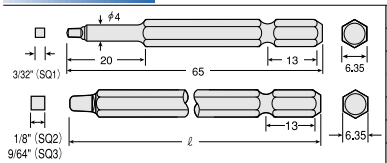
- Resistance is felt as the screw penetrates. Resistance lessens momentarily only to increase after seating.
- Requires a comparatively long time to fasten.

D
Wood screw fastening



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

Problem Solver Bits

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	160X35
	AT142110	⊕2X3.5X110	347046	H	160X35
SLENDER BIT (Magnetic) — Mounting quantity: 2 Inner Ctn.: 10 sets					
	AS141065	⊕ 1X 65	354303	H	160X35
	AS142045	⊕ 2X 45	354297	H	160X35
	AS142065	⊕ 2X 65	353900	H	160X35
	AS142110	⊕ 2X110	353917	H	160X35
GIZA BIT (Magnetic) Patented — Mounting quantity: 2 Inner Ctn.: 10 sets					
	AZ142065	⊕ 2X 65	353122	H	160X35
	AZ142110	⊕ 2X110	353139	H	160X35
	AZ142150	⊕ 2X150	353146	H	210X35
	AZ142200	⊕ 2X200	353153	H	260X35
	AZ162065	⊕2X4.5X 65	353160	H	160X35
	AZ162100	⊕2X4.5X100	353177	H	160X35
	AZ162150	⊕2X4.5X150	353184	H	210X35
ALFA BIT (Magnetic) — Mounting quantity: 2 Inner Ctn.: 10 sets					
	AL142065	⊕ 2X 65	355485	H	160X35
	AL142110	⊕ 2X110	355492	H	160X35
EXTRA HARD BIT (Magnetic) — Mounting quantity: 2 Inner Ctn.: 10 sets					
	AX142045	⊕ 2X 45	354808	X	160X35
	AX142065	⊕ 2X 65	354815	X	160X35
	AX142110	⊕ 2X110	354822	X	160X35
	AX162065	⊕ 2X 65	354839	X	160X35
	AX162100	⊕ 2X100	354846	X	160X35
TAPPING BIT — Mounting quantity: 2 Inner Ctn.: 10 sets					
	A14H2065	⊕ 2X 65	354310		160X35
	A14H2110	⊕ 2X110	354327		160X35
SQUARED DOUBIE END BIT PAT.P. — Mounting quantity: 2 Inner Ctn.: 10 sets					
	A14SQ1065	SQ No.1X 65	355508	H	160X35
	A14SQ2065	SQ No.2X 65	355379	H	160X35
	A14SQ2110	SQ No.2X110	355393	H	160X35
	A14SQ2150	SQ No.2X150	355515	H	210X35
	A14SQ3065	SQ No.3X 65	355386	H	160X35
	A14SQ3110	SQ No.3X110	355409	H	160X35
	A14SQ3150	SQ No.3X150	355522	H	210X35
SQUARED DOUBIE END BIT PAT.P. NEW — Mounting quantity: 2 Inner Ctn.: 10 sets					
	A14RSQ1065	SQ No.1X 65	355584	H	160X35
	A14RSQ2065	SQ No.2X 65	355591	H	160X35
	A14RSQ2110	SQ No.2X110	355607	H	160X35
	A14RSQ2150	SQ No.2X150	355614	H	210X35
	A14RSQ3065	SQ No.3X 65	355621	H	160X35
	A14RSQ3110	SQ No.3X110	355638	H	160X35
	A14RSQ3150	SQ No.3X150	355645	H	210X35
SQUARED BIT (Magnetic) — Mounting quantity: 2 Inner Ctn.: 10 sets					
	M16SQ1065	SQ No.1X 65	355348		160X35
	M16SQ2065	SQ No.2X 65	355355		160X35
	M16SQ3065	SQ No.3X 65	355362		160X35
	M16SQ2110	SQ No.2X110	355164		160X35
	M16SQ3110	SQ No.3X110	355089		160X35
	M16SQ2150	SQ No.2X150	354617		210X35
	M16SQ3150	SQ No.3X150	354624		210X35

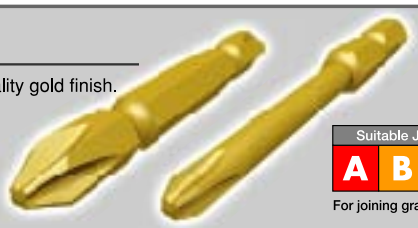
Problem Solver Bits

GOLD BITS

Beautiful appearance. High quality gold finish.

- Tough against rust!
- Fits a wide range of screws.

Gold



Suitable Joining Grade

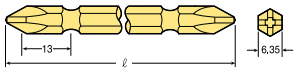
A	B	C	D

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

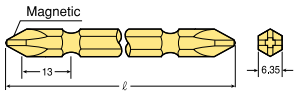
Mounting quantity:2 Inner Ctn.:10 sets



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

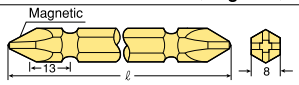


GM142300 and GM142500 are silver finish/
The items with ＊are for the S hanger.

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

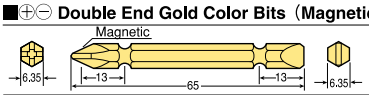
Mounting quantity:2 Inner Ctn.:10 sets



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)

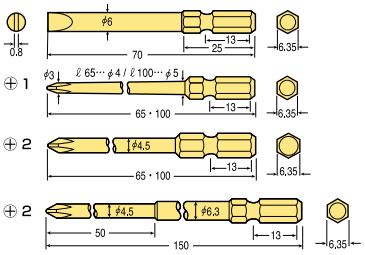
Mounting quantity:2 Inner Ctn.:10 sets



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)

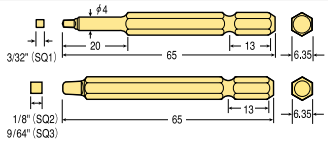
Mounting quantity:2 Inner Ctn.:10 sets



Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
GM166070	⊖ 6× 70	346308	G	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)

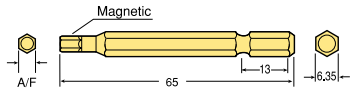
Mounting quantity:1 (For GM16SQ23, 2 for each) Inner Ctn.:10 sets



Model No.	Contents	JAN code	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)

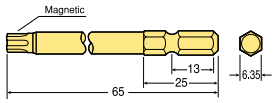
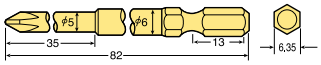
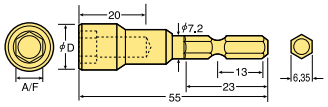
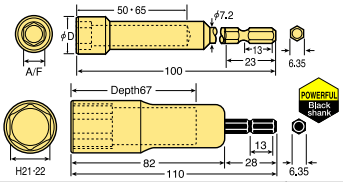
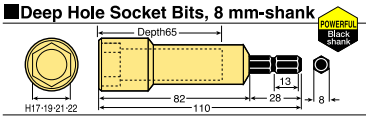
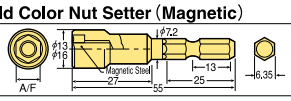
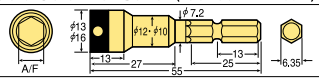
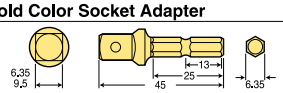
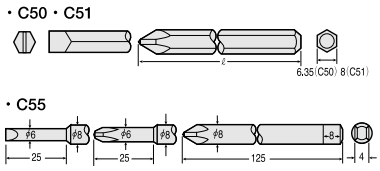
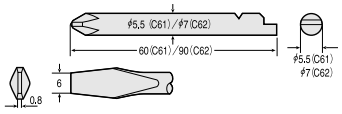
Mounting quantity:1 Inner Ctn.:10 sets



Model No.	Contents	JAN code	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.

Gold Bits

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			
	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
	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
■Impact Driver Bits		Mounting quantity:1 Inner Ctn.:10 sets			
	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
	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
	C622090	⊕ 2× 90	345295	H	170×42
	C623090	⊕ 3× 90	345301	G	170×42
	C626090	⊖ 6× 90	345318	E	170×42

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)

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

STANDARD BITS (For power tools)

Carefully selected materials with shot-blast finish.

- Excellent precision and durability.
- Fits a wide range of screws.

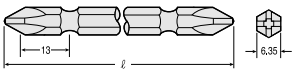
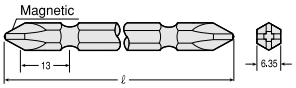
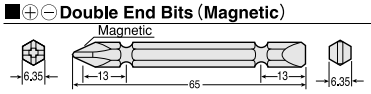
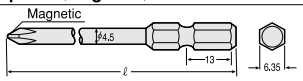
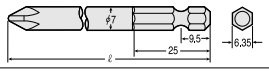
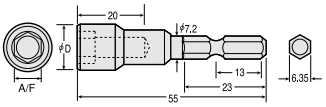
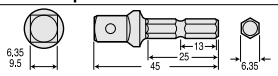
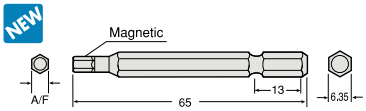
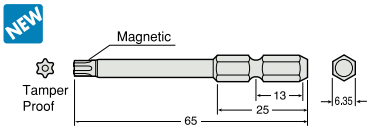
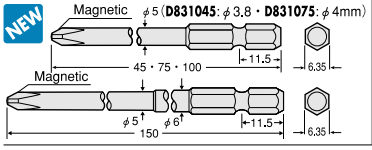
Standard

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	★★★

Shape	Model No.	Contents	JAN code	Heat Treatment Class	Card Size (H×W) mm
■Double End Bits		Mounting quantity:2	Inner Ctn.:10 sets		
	A141065	⊕ 1× 65	345004	H	170×42
	A141110	⊕ 1×110	345011	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		
	M141065	⊕ 1× 65	345554	H	170×42
	M142045	⊕ 2× 45	345462	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		
	M141565	⊕1·⊖5×65	345639	H	170×42
■Step Bits (Magnetic)		Mounting quantity:2 (For A166045, 1 for each)	Inner Ctn.:10 sets		
	A166045	⊖ 6× 45	345066	H	170×42
A166045 is not magnetized	M160026	⊕ 2×4.5×65 ⊖ 6× 45	345585	H	170×42
■Single End Bits (B35 type)		Mounting quantity:2	Inner Ctn.:10 sets		
	B351050	⊕ 1× 50	345141	H	170×42
■Socket Bits		Mounting quantity:1	Inner Ctn.:5 sets		
	A205555	A/F: 5.5× 55	345080		170×42
	A200755	A/F: 7 × 55	345097		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		
	BSQ-2	Insertion Angle: 6.35; (1/4")×45	345608		170×42
■Hex. Bits (Magnetic)		Mounting quantity:1	Inner Ctn.:10 sets		
NEW 	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		
NEW 	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		
NEW 	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 Belts

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	95×70
BW-52	Double End Gold Color Bit ⊕2X 65 5 pcs.	350527	95×70
BW-53	Double End Gold Color Bit ⊕2X110 5 pcs.	350534	140×70
BW-54	Double End Gold Color Bit ⊕2X 45 1 pc. ⊕2X 65 2 pcs. ⊕2X110 2 pcs.	350541	140×70
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	140×70
BW-56	Step Gold Color Bit ⊕2X 65 2 pcs. ⊕2X100 2 pcs. ⊖6X 70 1 pc.	352378	140×70

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	185×70
BW-62	Double End Gold Color Bit ⊕2X 45 1 pc. ⊕2X 65 2 pcs. ⊕2X110 1 pc. ⊕2X150 1 pcs.	353283	185×70
BW-63	Double End Gold Color Bit ⊕2X110 2 pcs. ⊕2X150 1 pcs. Step Gold Color Bit ⊕2X100 1 pc. ⊕2X150 1 pcs.	353290	185×70
BW-64	Double End Gold Color Bit ⊕2X110 1 pc. ⊕2X150 2 pcs. Step Gold Color Bit ⊕2X150 2 pcs.	353306	185×70
BW-65	Step Gold Color Bit ⊕2X100 3 pcs. ⊕2X150 2 pcs.	353313	185×70
BW-66	Step Gold Color Bit ⊕2X 65 5 pcs.	353955	140×70
BW-67	Step Gold Color Bit ⊕2X100 5 pcs.	353962	140×70
BW-68	Step Gold Color Bit ⊕2X150 5 pcs.	353979	185×70
BW-69	Step Gold Color Bit ⊕2X 82 5 pcs.	353986	140×70

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	120×85
BW-11	Double End Gold Color Bit ⊕2X 45 10 pcs.	350213	120×85
BW-12	Double End Gold Color Bit ⊕2X 65 10 pcs.	350220	120×85
BW-13	Double End Gold Color Bit ⊕2X110 10 pcs.	350237	150×100
BW-14	Double End Gold Color Bit ⊕2X 45 2 pcs. ⊕2X 65 6 pcs. ⊕2X110 2 pcs.	350244	150×100
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	150×100
BW-16	Double End Gold Color Bit ⊕2X 65 5 pcs. ⊕2X110 3 pcs. ⊕2X150 2 pcs.	350268	190×100
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	190×100
BW-18	Step Gold Color Bit ⊕2X 65 10 pcs.	352347	135×100
BW-19	Step Gold Color Bit ⊕2X100 10 pcs.	352354	160×100
BW-20	Step Gold Color Bit ⊕2X 65 3 pcs. ⊕2X100 5 pcs. ⊕2X150 2 pcs.	352361	185×100

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

"Bit Belts"／"Bit Box" series

No.BW-58

Outer Ctn.: 5, with one holder case

Model No.	Contents	JAN code	Card Size
BW-58	Gold Color Socket Bit: A/F 8×55: 1 pc.; A/F 10×55: 1 pc. A/F 12×55: 1 pc.; A/F 13×55: 1 pc. A/F 14×55: 1 pc.	350589	140×80

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

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-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

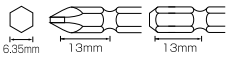
NEW

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	ALFA Bit ⊕2×65H 5 pcs.	355171	140×70
BW-191	ALFA Bit ⊕2×110H 5 pcs.	355188	140×70
BW-192	ALFA 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

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"Bit Belts"

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 (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	Giza Bit ⊕ 2× 65 3 pcs.	357144	10	100	83×19
CAZ162100	Giza 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

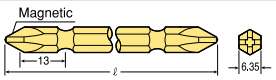
Model No.	Contents	JAN code	Inner ctn.	Outer ctn.	Package size with POP (H × W × D) mm
9PAT142065	Torsion Bit ⊕ 2× 65 9 pcs.	356642	4	120	48× 67×22
9PAT142110	Torsion Bit ⊕ 2×110 9 pcs.	356659	4	80	48×112×22
9PAS142065	Slender Bit ⊕ 2× 65 9 pcs.	356666	4	120	48× 67×22
9PAS142110	Slender Bit ⊕ 2×110 9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



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Bit Packs／Others

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 PM-A16 No.BP-1
2×150H ⊕2×100H

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

Excluding BC-21

MG Magnetic

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

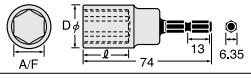
Weighs about 60% of steel. There is little impact when starting, therefore fastening proceeds smoothly.

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

MARKET

VESSEL "GO-TAN" Rigid Forged Socket Series

Solve your workplace problems in an instant!
New ideas for supporting professional specifications

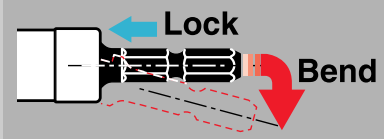
Tilt Sockets

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

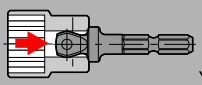
Tilt Socket Adapters

Use your own sockets and tilted up to 15°.

PAT.P.

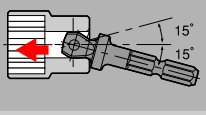
Bendable neck 15° Lockable | 26°30' Beveling | Impact power drill 6.35mm

Push to lock



You can use the both features.

Pull to bend



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.	26°30' Beveling	Smoothly fits into the anvil without biting the pole groove. Easy attaching/detaching.	Color-coded by size	O-rings and labels are color-coded by size. The wanted size can be quickly found in toolboxes.
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.	Smooth Turning Grip	The grip turns freely. Convenient when using a power driver to turn the socket.	Impact power drill 6.35mm	Designed for use with power drills
Bendable neck 15° Lockable	Pull to bend, push to lock. Very convenient for working in corners.	Holds nut at end	The nut is held at the end of the socket. The nut's position can be checked while working.	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.

To meet best retaining in tool anvil, be sure if it's 13mm or 9.5mm distance to the retainer steel ball from the bit end.

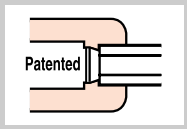
VESSEL "GO-TAN" Rigid Forged Socket Series

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.

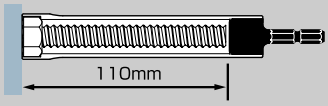
Tightening of step clamp

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

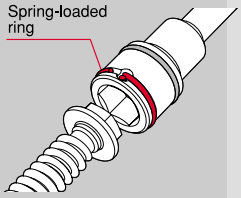
Ring Nut Setters

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.

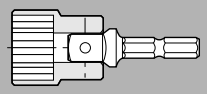
Tightening screws in high places or when nearby obstructions make work difficult.

To meet best retaining in tool anvil, be sure if it's 13mm or 9.5mm distance to the retainer steel ball from the bit end.

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.

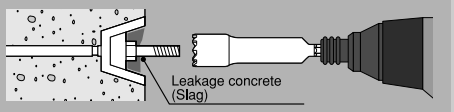
High hardness HRC60 to prevent wear on corners

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.

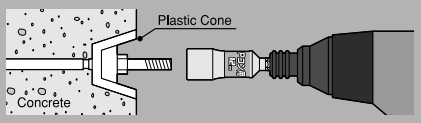


Use for setting and pulling plastic cones in form work.

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.

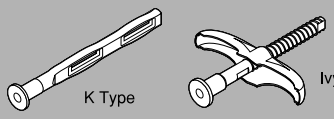
Use for setting and pulling plastic cones in form work.

Form Tie Sockets

Use for setting and striking form ties.

PAT.

26°30' Beveling | Impact power drill 6.35mm



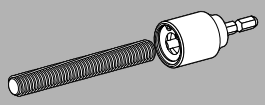
Either type can be used.

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

Fully Threaded Sockets

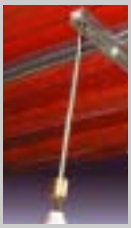
Fully threaded. Does not destroy threads of continuous-thread studs.

Impact power drill 6.35mm | Color-coded by size



3-roller structure

3 rollers securely hold the bolt without damaging threads.



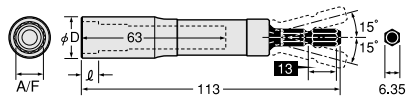
Hanger bolt for drop ceiling

To meet best retaining in tool anvil, be sure if it's 13mm or 9.5mm distance to the retainer steel ball from the bit end.

VESSEL Rigid Forged Socket Series NEW

■Tilt Sockets PAT.P.

Inner Ctn.:5 Outer Ctn:100

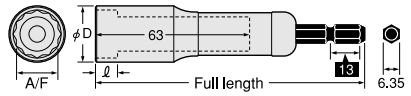


Model No.	A/F	φD mm	ℓ mm	Overall length mm	JAN code	Card Size (H×W) mm
WA201011	10	16	6.5	113	356017	165×35
WA201211	12	18	7.5	113	355843	165×35
WA201311	13	19	8	113	355850	165×35
WA201411	14	20	8	113	355867	165×35
WA201711	17	23	9	113	355874	165×35
WA201911	19	25	10	113	355881	165×35
WA202111	21	28	11	113	355898	165×35
WA202211	22	29	13	113	357663	165×35
WA202411	24	32	13	113	357670	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	357687	160×35
LA202411	24	32	13	110	345769	160×35

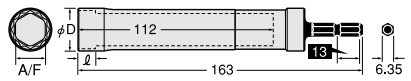
※The colors of the A/F column in the table indicate the seal colors.

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

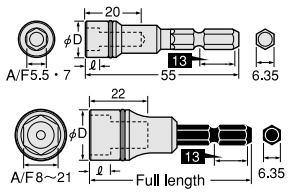


Model No.	A/F	φD mm	ℓ mm	Overall length mm	JAN code	Card Size (H×W) mm
XA201715	17	23	9	163	345936	220×35
XA201915	19	25	10	163	345943	220×35
XA202115	21	27	11	163	345950	220×35
XA202415	24	31	13	163	357694	220×35

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

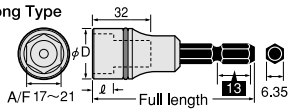
■Sockets PAT.P.

Inner Ctn.:5 Outer Ctn:100



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

Semi-Long Type

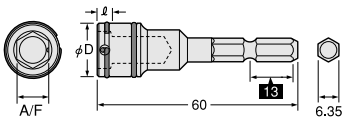


Model No.	A/F	φD mm	ℓ mm	Overall length mm	JAN code	Card Size (H×W) mm
SA201770	17	23	9	70	345967	125×35
SA201970	19	25	10	70	345899	125×35
SA202170	21	28	11	70	345905	125×35

※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.

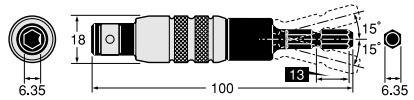
⚠ Caution: Do not turn attachments idly when mounted on a power tool.

To meet best retaining in tool anvil, be sure if it's 13mm or 9.5mm distance to the retainer steel ball from the bit end.

VESSEL "GO-TAN" Rigid Forged Socket Series NEW

■Tilt Bit Holders PAT.P.

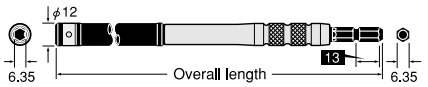
Inner Ctn.:5 Outer Ctn.:100



Shape	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

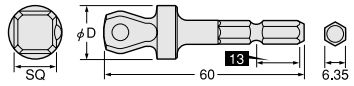
Inner Ctn.:5 Outer Ctn.:100



Shape	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.

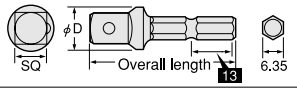
Inner Ctn.:5 Outer Ctn.:100



Shape	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

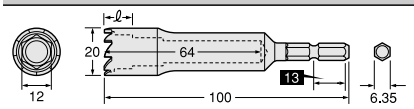
Inner Ctn.:5 Outer Ctn.:100



Shape	Model No.	Socket mounting angle SQ mm	φD 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

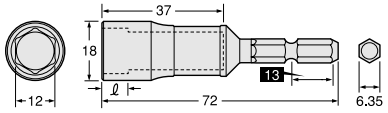
Inner Ctn.:5 Outer Ctn.:100



Shape	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

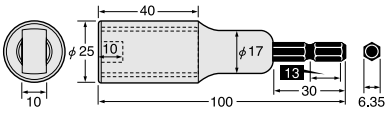
Inner Ctn.:5 Outer Ctn.:100



Shape	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

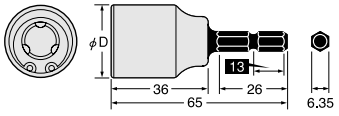
Inner Ctn.:5



Shape	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



Shape	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	07587	□□□□□	□
Country code	Manufacturer code	Product code	Check digit

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

To meet best retaining in tool anvil, be sure if it's 13mm or 9.5mm distance to the retainer steel ball from the bit end.

Magnetic Screw Catching System

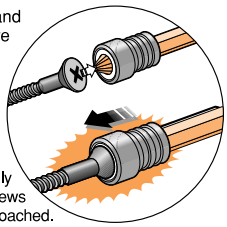
Magnetic Screw Catcher (For power tools)

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.

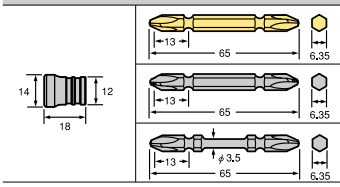
Strong Magnet
Assuredly holds even long screws so that users can work one-handedly.
Also prevents screws from dropping. Oblique tightening OK.

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.



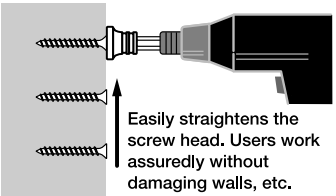
Automatically catches screws as it is approached.

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

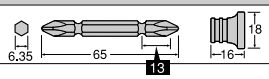
Screw Adjuster (For power tools) PAT.P.

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

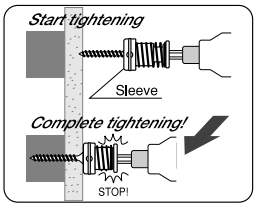
Screw Catch and Adjuster (For power tools)

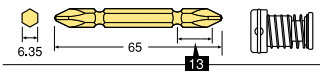
Patented

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.

Built in steel ball strongly holds even long screw, makes single hand operation available.



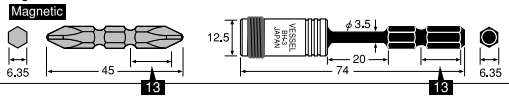
Shape	Model No.	Contents	JAN code	Inner Ctn.	Card Size (H × W) mm
	BH-11	Screw Catch and Adjuster: 1 pc. Double End Gold Color Bit ⊕2×65mm : 1pc.	347053	10	135×45

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. High Hardness Bit ⊕2×45mm 1pc.	354792	10	160×45

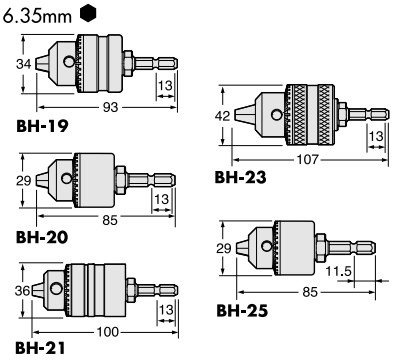
⚠ Caution: Do not turn attachments idly when mounted on a power tool.

Drill Chuck (For power tools)

Mount a bit and perform all kinds of work from drilling to grinding and fastening.

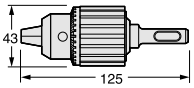
- ●Fantastic grip. High precision.
- ●High durability shank
- ●Keyless type: Bit on-off without requiring a key.
- ●Key type: Attach and detach tools with the included key.
- ●Hybrid type: Works with or without a key.

For Pneumatic and Power Screwdrivers

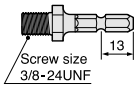
Shape	Model No.	Contents	Tip grip range mm	JAN code	Inner Ctn.	Card Size (H × W) mm
6.35mm ⬢ 	**BH-19**	・Drill Chuck (keyed) ・Key	Dia.: 1.5～10	354969	5	140×80
	BH-20	・Drill Chuck (keyed) ・Key	Dia.: 0.8～6.5	355324	5	140×80
	BH-21	・Drill Chuck (Hybrid) ・Key	Dia.: 1.5～10	355331	5	140×80
	BH-23	・Drill Chuck (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 Rotary Hammer and Hammer Drills

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

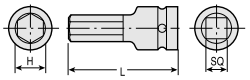
SDS Plus 	**BH-22**	・Drill Chuck SDS Plus (keyed)	Dia.: 2 ～13	355539	5	185×100

Spare Shafts for Drill Chucks

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

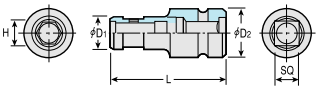
Socket and Attachments (For power tools)

■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	87
		14	87
		17	87

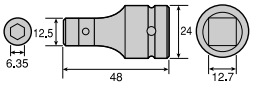
■Socket Anvils



Model No.	Size Mounting angle (SQ) × A/F (H)	Dimensions D_1	D_2	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.

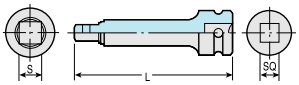
■Socket Anvils



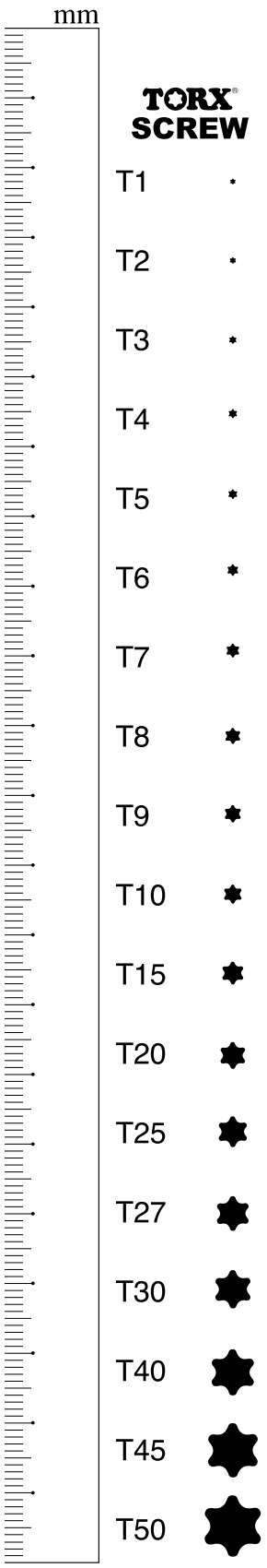
Pack with Pre-Carded ▶

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



METAL HARDNESS COMPARISON CHART

Rockwell hardness C scale **HRC**	Vickers hardness **HV**	Brinell hardness 10mmball Load 29.4kN **HB**	Rockwell hardness A scale **HRA**	Rockwell hardness B scale **HRB**	Shore hardness **HS**	Tension load (Approximate value) **MPa**
68	940	–	85.6	–	97	–
67	900	–	85.0	–	95	–
66	865	–	84.5	–	92	–
65	832	–	83.9	–	91	–
64	800	–	83.4	–	88	–
63	772	–	82.8	–	87	–
62	746	–	82.3	–	85	–
61	720	–	81.8	–	83	–
60	697	–	81.2	–	81	–
59	674	–	80.7	–	80	–
58	653	[615]	80.1	–	78	–
57	633	[595]	79.6	–	76	–
56	613	[577]	79.0	–	75	–
55	595	[560]	78.5	–	74	2075
54	577	[543]	78.0	–	72	2015
53	560	[525]	77.4	–	71	1950
52	544	[512]	76.8	–	69	1880
51	528	[496]	76.3	–	68	1820
50	513	[481]	75.9	–	67	1760
49	498	[469]	75.2	–	66	1695
48	484	451	74.7	–	64	1635
47	471	442	74.1	–	63	1580
46	458	432	73.6	–	62	1530
45	446	421	73.1	–	60	1480
44	434	409	72.5	–	58	1435
43	423	400	72.0	–	57	1385
42	412	390	71.5	–	56	1340
41	402	381	70.9	–	55	1295
40	392	371	70.4	–	54	1250
39	382	362	69.9	–	52	1215
38	372	353	69.4	–	51	1180
37	363	344	68.9	–	50	1160
36	354	336	68.4	(109.0)	49	1115
35	345	327	67.9	(108.5)	48	1080
34	336	319	67.4	(108.0)	47	1055
33	327	311	66.8	(107.5)	46	1025
32	318	301	66.3	(107.0)	44	1000
31	310	294	65.8	(106.0)	43	980
30	302	286	65.3	(105.5)	42	950
29	294	279	64.7	(104.5)	41	930
28	286	271	64.3	(104.0)	41	910
27	279	264	63.8	(103.0)	40	880
26	272	258	63.3	(102.5)	38	860
25	266	253	62.8	(101.5)	38	840
24	260	247	62.4	(101.0)	37	825
23	254	243	62.0	100.0	36	805
22	248	237	61.5	990.	35	785
21	243	231	61.0	98.5	35	770
20	238	226	60.5	97.8	34	760
(18)	230	219	–	96.7	33	730
(16)	222	212	–	95.5	32	705
(14)	213	203	–	93.9	31	675
(12)	204	194	–	92.3	29	650
(10)	196	187	–	90.7	28	620
(8)	188	179	–	89.5	27	600
(6)	180	171	–	87.1	26	580
(4)	173	165	–	85.5	25	550
(2)	166	158	–	83.5	24	530
(0)	160	152	–	81.7	24	515

Figures shown in ( )are uncommon and only for reference.
Figures shown in [ ] in Brinell hardness category are based on tungsten carbide balls, and others are based on standard type balls.

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