

DRIVER BITS

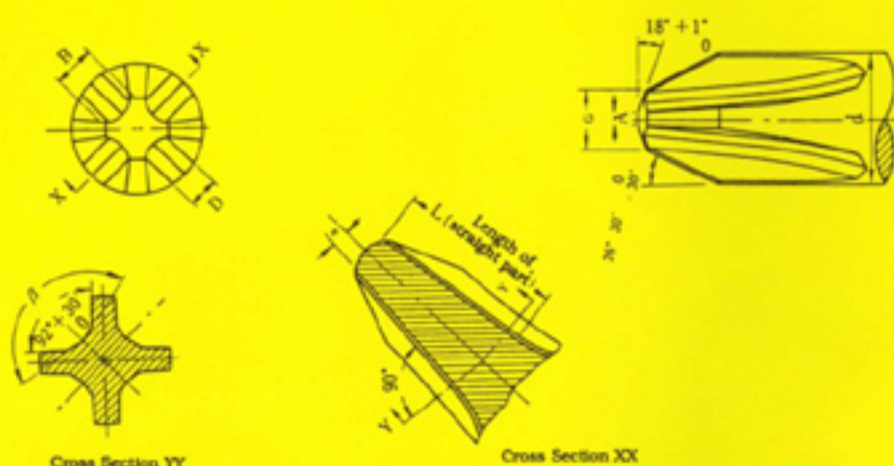
OHMI

THE CHART FOR THE PHILLIPS SCREWS NUMBER AND THE DIAMETER

JCIS Standard Bit	JCIS Standard Small Screws and Tapping
No. 0	M 1.4 ~ M 2.6

JIS Standard Bit	JIS Standard Small Screws and Tapping	Wood Screws
No. 1	M2 - M2.6 (Truss Screw - M3)	2.1 ~ 2.7
No. 2	M 3 ~ M 5	3.1 ~ 4.8
No. 3	M 6 ~ M 8	5.1 ~ 6.8
No. 4		7.5 ~ 9.5

Japan Industrial Standard (JIS B4633) Phillips Screw Driver

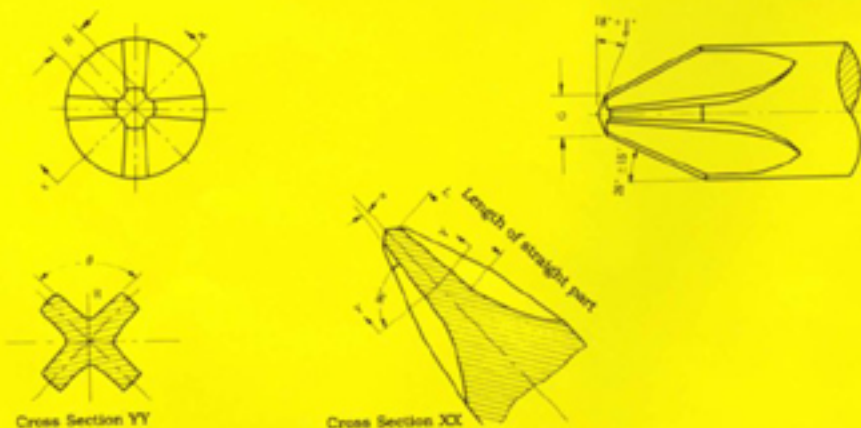


Unit mm

Screw Diameter number	Size	d	B	G	D	α (°)	β	L	A	
	Allowance	+0.4 -0.2	± 0.015	± 0.025	± 0.025	0 -30	$+30$ 0	Minimum	Maximum	Minimum
No. 1		5	1.901	1.27	0.513	7°	138°	3.2	0.51	0.38
No. 2		6	1.539	2.29	1.102	5°45'	140°	4.8	0.51	0.38
No. 3		8	2.497	3.81	2.098	5°45'	146°	7.1	0.51	0.38
No. 4		9	3.574	5.08	2.738	7°	153°	8.7	0.51	0.38

Remark: (P) Angle α is an angle to be formed by the forwarding direction of the flange axis and the center line of the Phillips screw.

Japan Camera Industrial Standard (JCIS 9-70) Phillips Screw for Precision Machinery



Unit mm

Type	The number of Phillips Screw Groove	G		B		R		θ		α		L
		Standard size	Allowance	Standard size	Allowance	Standard size	Allowance	Standard size	Allowance	Standard size	Allowance	Minimum
1 B	0	0.93	± 0.02	0.47	± 0.02	0.06	+0.03 0	92°	+20° +5°	7°	0° -30°	3

OHMI SCREW DRIVER BITS



Name	Dimension	Tip diameter ($\phi d \times \ell$)	Point Size	Axis diameter (D)	Total length (L)	Bit name of other company	
						Vessel	Nitto seiko
V-01	 (E Ring)	$\phi 2 \times 15 \ell$	No 0	$\phi 3$	* 31	D-82	U-22
		$\phi 2.5 \times 15 \ell$			* 50		
	 (E Ring)		No 0	$\phi 3$	* 31		
			No 1		* 50		
			No 2		* 31		
					* 50		
V-01M	 (E Ring)		0.35t	$\phi 3$	* 21 * 31 * 40		MU-23
V-01X	 (E Ring)		H1.27 H1.5 H 2	$\phi 3$	* * 31 *		
Applicable driver	Uryu US-2.5A/ US-31/ 10TA/ 10TB/ LT-10 Vessel GT-H2 (Can be used for common use) National Panasonic Please refer to the exclusive bit on page 20.						

Please ask us about \otimes marks for their availability

V-02	 (E Ring)	$\phi 2 \times 35 \ell$	No 0	$\phi 3$	* 50 * 115		X-75B
		$\phi 2.5 \times 35 \ell$	No 0		* 50 * 115		
	 (E Ring)	$\phi 3$ Straight	No 0	$\phi 3$	* 50 * 115		
			No 1		* 50 * 115		
V-02T	 (E Ring)	$\phi 1.5 \times 15 \ell$	T 1 (A \approx 0.8)	$\phi 3$	* 50 * 115		
		$\phi 1.5 \times 15 \ell$	T 2 (A \approx 0.9)		* 50 * 115		
		$\phi 1.7 \times 15 \ell$	T 3 (A \approx 1.1)		* 50 * 115		
		$\phi 1.8 \times 15 \ell$	T 4 (A \approx 1.3)		* 50 * 115		
		$\phi 2 \times 15 \ell$	T 5 (A \approx 1.4)		* 50 * 115		
		$\phi 2.5 \times 15 \ell$	T 6 (A \approx 1.7)		* 50 * 115		
Applicable driver	Manual chuck type driver PD-3.0						



Please ask us about \otimes marks for their availability

OHMI SCREW DRIVER BITS



Name	Dimension	Tip diameter ($\phi d \times l$)	Point Size	Axis diameter (D)	Total length (L)	Bit name of other company			
						Vessel	Nitto seiko		
V-08			No. 1	$\phi 4$	* 40	A-9			
			No. 2		* 70				
V-08					* 40			A-9	
Applicable driver	Vessel GT-H3/GT-H3P								

V-12		$\phi 5 \times 20 l$ $\phi 4 \times 30 l$	No. 1	$\phi 6$	* 50	A-11	U-31		
					* 75				
V-12			No. 1	$\phi 6$	* 50			A-11	U-30
					* 75				
V-12			No. 1	$\phi 6$	* 100	A-11	U-30		
					* 120				
V-12			No. 2	$\phi 6$	* 150			A-11	U-30
					* 50				
V-12M		Blade width 6mm	0.9 t	$\phi 6$	* 75	MU-30			
					* 100				
V-12M					* 32			MU-30	
					* 50				
V-12M					* 75	MU-30			
					* 100				
V-12B		Subtense (H)	Outer (D) diameter	($\phi d \times l$)	* 100			A-13	BU-30
V-12B		H 4.5	$\phi 7$	$\phi 3 \times 30 l$	* 100	A-13	BU-30		
V-12B		H 5.5	$\phi 9$	$\phi 4 \times 30 l$	* 100			A-13	BU-30
V-12B		H 7	$\phi 11$	$\phi 5.5 \times 30 l$	* 100	A-13	BU-30		
V-12B		H 9	$\phi 13$	$\phi 6.5 \times 27 l$	* 100			A-13	BU-30
Applicable driver	Uryu US-3 / US-3W Vessel GT-PS								

Please ask us about $\text{\textcircled{M}}$ marks for their availability

OHMI SCREW DRIVER BITS



Name	Dimension	Tip diameter ($\phi d \times \ell$)	Point Size	Axis diameter (D)	Total length (L)	Bit name of other company				
						Vessel	Nitto seiko			
V-14	<p>(Bit exclusive for "Nejico" From P.19)</p>	$\phi 3 \times 30 \ell$	No. 0	$\phi 6$	75	B-34	U-40			
		$\phi 3.5 \times 30 \ell$	No. 1		100					
		$\phi 4 \times 20 \ell$			75					
		$\phi 4.5 \times 20 \ell$			100					
		$\phi 3.5 \times 30 \ell$	No. 2		120			75		
		$\phi 4 \times 20 \ell$			100					
		$\phi 4.5 \times 20 \ell$			120					
	V-14W			No. 1	$\phi 6$			50	B-36	U-44
								75		
								100		
								120		
								150		
								200		
								250		
300										
		No. 2	$\phi 6$	50						
				75						
				100						
				120						
				150						
				200						
	250									
300										
V-14M		Blade width 6 mm	0.9t	$\phi 6$	75	B-36	U-44			
					100					
					120					
					150					
					200					
					250					
					300					
Applicable driver	Uryu US-3.5A / 4 / 30 / 40 / 50L / 20TA / 30TA / 40TA / 40LTA / LT20A / LT30A / 4PB					B-36	U-44			
	Yokota YD-2.5 / 3 / 4 / 3.5HL / 4HL / 3.5HSS / 400 / 400C / 400SC / 400SCH									
	Hios VZ-1512 / VZ-1820 / VZ-3007 / VZ-3012									
	Japan pneumatic SD-4A									
	Nitto kohki Please refer to the exclusive bit for DV-14 on page 25									
	Hitachi WT-3 / WT-4 / WT-5									
	Max AT-D35 / AD-D5									

Please ask us about ※ marks for their availability

OHMI SCREW DRIVER BITS



Name	Dimension	Tip diameter ($\phi d \times \ell$)	Drive size	Axis diameter (D)	Total length (L)	Bit name of other company					
						Vessel	Nitto seiko				
V-14X (former X-11)		$\phi 3 \times 30\ell$	H 1.5	$\phi 6$	70	B-34	HU-40				
		$\phi 4 \times 30\ell$	H 2		100						
			H 2.5	$\phi 6$	70						
			H 3		100						
			H 4		70						
			H 5		100						
		$\phi 7$	H 6	$\phi 6$	70						
					100						
	V-14T		$\phi 2 \times 15\ell$	T-5 (A \approx 1.4)	$\phi 6$			75	NT-	NT-	
			$\phi 2.5 \times 15\ell$	T-6 (A \approx 1.7)				100			
$\phi 2.5 \times 15\ell$			T-7 (A \approx 2.0)	75							
$\phi 3 \times 15\ell$			T-8 (A \approx 2.3)	100							
$\phi 3.3 \times 15\ell$			T-9 (A \approx 2.5)	75							
$\phi 3.6 \times 15\ell$			T-10 (A \approx 2.7)	100							
$\phi 4.3 \times 15\ell$			T-15 (A \approx 3.3)	75							
$\phi 5 \times 15\ell$			T-20 (A \approx 3.8)	100							
$\phi 5.5 \times 15\ell$			T-25 (A \approx 4.4)	75							
$\phi 6$			T-27 (A \approx 5.0)	100							
		$\phi 3 \times 15\ell$	T-8H (A \approx 2.3)	$\phi 6$		75					
		$\phi 3.6 \times 15\ell$	T-10H (A \approx 2.7)			100					
		$\phi 4.3 \times 15\ell$	T-15H (A \approx 3.3)			75					
		$\phi 5 \times 15\ell$	T-20H (A \approx 3.8)			100					
		$\phi 5.5 \times 15\ell$	T-25H (A \approx 4.4)			75					
		$\phi 6$	T-27H (A \approx 5.0)			100					
V-14E			$\phi 6$ Straight	E-4 (A \approx 3.8)		$\phi 6$	70				
			$\phi 7 \times 20\ell$	E-5 (A \approx 4.7)			100	70			
Applicable driver		Please refer to the V-14 type at page 3									

Please ask us about \otimes marks for their availability

OHMI SCREW DRIVER BITS



Name	Dimension	Drivesize		Inner diameter ($\phi d \times \ell$)	Total length (L)	Bit name of other company	
		Substance (H)	Outer (D) diameter			Vessel	Nitto seiko
V-14B		H 4	$\phi 7$	$\phi 3 \times 25 \ell$	100	B-44	BU-40
		H 4.5					
		H 5	$\phi 8$	$\phi 3.5 \times 30 \ell$	100		
		H 5.5	$\phi 9$	$\phi 4 \times 17 \ell$	70		
				$\phi 4 \times 30 \ell$	100		
		H 6	$\phi 10$	$\phi 4.5 \times 30 \ell$	100		
		H 7	$\phi 11$	$\phi 5.5 \times 17 \ell$	70		
				$\phi 5.5 \times 30 \ell$	100		
		H 8	$\phi 13$	$\phi 6 \times 17 \ell$	70		
				$\phi 6 \times 30 \ell$	100		
		H 9	$\phi 16$	$\phi 6.5 \times 30 \ell$	100		
		H 10		$\phi 8 \times 17 \ell$	70		
		H 11	$\phi 8 \times 30 \ell$	100			
		H 12	$\phi 18$	$\phi 10 \times 30 \ell$	100		
H 13	$\phi 20$	$\phi 10 \times 30 \ell$	100				
H 14		$\phi 11 \times 30 \ell$	100				

Box bits with magnet

Work efficiency improves due to the magnet inside the bit attracting bolts and nuts.

V-14B MAG		H 5	$\phi 8$	When ordering please specify A size	100		
		H 5.5	$\phi 9$				
		H 6	$\phi 10$				
		H 7	$\phi 11$				
		H 8	$\phi 13$				
		H 9					
		H 10	$\phi 16$				
		H 12	$\phi 18$				
H 13	$\phi 20$						

[Note] Size A may differ according to the types of screw and may have to make specially.

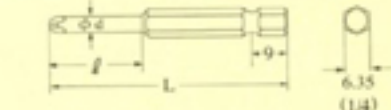
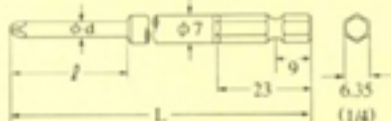

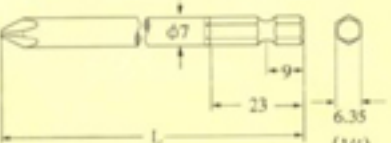
Slide magnet (SM type) type box bits

V-14B SlideMAG		H 5.5	$\phi 9$	☆Projecting bolt will not give influence when tightening nuts ☆Slide magnetic type will expand the working conditions ☆It can be used regardless of the height of nut head ☆Total length (L) should be 75 or over Remark: We will separately give the estimate price according to the order volume since they are specially made products.	75 or over		
		H 6	$\phi 10$				
		H 7	$\phi 11$				
		H 8	$\phi 13$				
		H 9					
		H 10	$\phi 16$				
H 12	$\phi 18$						

Applicable driver Please refer to the V-14 type at page 3

OHMI SCREW DRIVER BITS



Name	Dimension	Tip diameter ($\phi d \times \ell$)	Point Size	Axis diameter (D)	Total length (L)	Ref. name of other company		
						Vessel	Nitto seiko	
V-17		$\phi 2 \times 20 \ell$	No. 0	Subsize 6.35mm (1/4)	50			
		$\phi 3 \times 30 \ell$ $\phi 3.5 \times 30 \ell$ $\phi 4.5 \times 30 \ell$	No. 0 No. 1 No. 2 No. 2	$\phi 7$	75 75 75 100		U-51	
			No. 1 No. 2 No. 3		Subsize 6.35mm (1/4)	23 30 40 23 30 40 30 * 40		U-57
			No. 1 No. 2 No. 3		$\phi 7$ $\phi 7$ $\phi 7$	50 75 100 120 150 200 * 250 * 300 50 75 * 90 100 120 150 200 250 300 50 75 100 120 150 200 250 300	B-35	U-50
	Applicable driver	<p>Uryu US-5/50/45W/50W/450WB/5W/6W/5PB/10TB/20TB/30TB/40TB/40LTB/50TB US-50T/50TP/LT10B/LT20B/LT30B/LT40B/LT50B/LT60P/3.5MA/4MA/5MA US-4PMA/5PMA/65SPW/350W/5PW/350PW/U-4000/501D/610D/700D UW-6SSLD/6SSD/6SSHD/6SD/ All other UW-UX type drivers</p> <p>Hios F-7000/9000/DL-15/DL-20/DCD-100</p> <p>FujiKuki FW Series/FPW Series/All FD Series</p> <p>Kanon 20, 30, 50, 100LTDK/10, 20, 50DPSK ></p> <p>Yokota YD-2.5/3.5/4A/4.5A/4.5LA/5A/5WA/6A/6WA/600A/400A/400CA/500SCA YD-3.5PZ/4.5PA/6PA/8PZ/YW-6PA/6PDA/YHW-4A/V-60A/YD-400SCA YD-5PHCA/5WAZK/6WAZK/3.5PZ/4.5PZ/4.5PT/6PZ/6PT</p> <p>Nitto kohki Please refer to the DV-17 type at page 25</p> <p>Yutani Tekko D-6SSBL/D-6SBPL</p> <p>Japan Pneumatic NPW-450-DXO/NPW-550-DXO</p> <p>Ohmi Seiki BH-3/BH-4A (Bit holder for impact wrench)</p> <p>Tonichi U Series (U-100S/U3/U3V OFF) LTDH/RTDH/RTD/NTD/FTD Series (80FTD/160FTD OFF)</p>						

Please ask us about  marks for their availability

OHMI SCREW DRIVER BITS



Name	Dimension	Tip diameter ($\phi d \times \ell$)	Point Size	Axis diameter (D)	Total length (L)	Bit name of other company										
						Vessel	Nitto seiko									
V-17W				Subtense 6.35mm (1/4)	No. 1 (l = 12)	50	B-43	U-55								
						75										
						100										
						120										
						150										
						200										
						50										
						75										
						100										
						120										
						150										
						200										
						250										
						300										
						V-17M				Blade width 7 mm	1.0 t	phi 7	0.7 t 0.9 t 1.0 t	50	MU-50	
50																
56																
75																
100																
120																
150																
200																
V-32X (former X-32)		phi 3 x 30 l	H 1.27	phi 7	H 1.27 H 1.5 H 2		70	U-51								
							70									
							100									
							150									
							70									
							100									
							150									
						70										
						100										
	V-32X (former X-32)				phi 7	H 2.5 H 3 H 4 H 5 H 6	70	A-16 B-35	HU-50							
							100									
							150									
							70									
							100									
							150									
V-32X (former X-32)				phi 7	H 8	70										
						100										
						150										

Applicable driver Please refer to the V-17 type at page 6 Remark: Please select V-17X for Hios Drivers.

Please ask us about marks for their availability

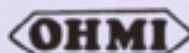
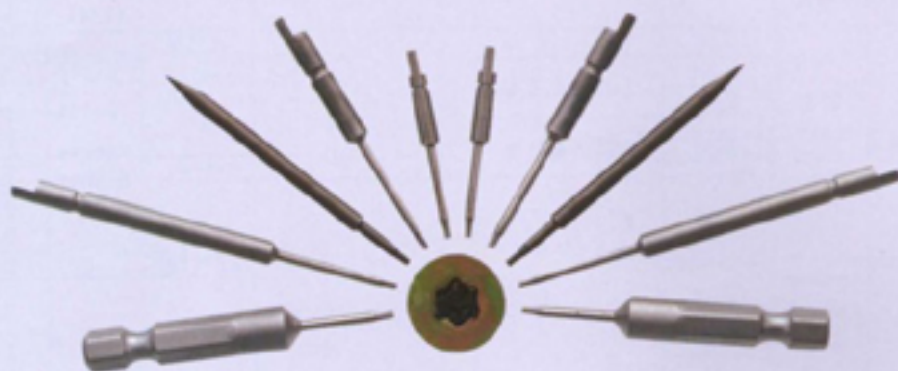


SCREW DRIVER BITS



Hex-wave bit

The exclusive tools will contribute to the downsizing of electronic information equipment



Mini Series Lineup!!

Downsizing the electronic information equipment and small size medical equipment will become the strong users' demand in the high tech society of the 21st century.

★We will deliver driver bits made from selected material with high precision, compatible with Hex Lobular recess minute screws which have an excellent feature in tightening screws.

★The new mini-series product group of hex-wave bits enables easy application of micro-size precision screws of M1~M2 and supports the flexibility.

★The minute precision of T1~T5 bit made with accuracy manufacturing technology is superb in torque transmission efficiency and guarantees the stability and reliability for tightening screws in downsized products.

★The quality has been proved by having been developed and used for computer related products, HDD and VTR.

★Manufacturing of specially made products can be ordered such as exclusive bits for screw tightening robot, automatic machine, and multi-axis screw tightening machine. Please ask us showing the drawing or sample.

Name	Dimension	Tip diameter ($\phi d \times \ell$)	Drive size	Axis diameter (D)	Total length (L)	Bit name of other company	
						Vessel	Nitto seiko
V-17T		$\phi 1.5 \times 15 \ell$	T-1 (A \approx 0.8)	6.35mm (1/4)	50		
			T-2 (A \approx 0.9)		75		
			T-3 (A \approx 1.1)		50		
			T-4 (A \approx 1.3)		75		
			T-5 (A \approx 1.4)		50		
					75		
					50		
					75		
Applicable driver	Please refer to the V-17 type at page 6						

Please ask us about ※ marks for their availability

OHMI SCREW DRIVER BITS



Name	Dimension	Tip diameter ($\phi d \times \ell$)	Drive size	Axis diameter (D)	Total length (L)	Bit name of other company	
						Vessel	Nitto seiko
V-17T	Hex-wave bit 	$\phi 2.5 \times 15 \ell$	T-6 (A \approx 1.7)	$\phi 7$	50	JT-	JT-
		$\phi 2.5 \times 15 \ell$	T-7 (A \approx 2.0)		75		
		$\phi 3 \times 15 \ell$	T-8 (A \approx 2.3)		100		
		$\phi 3.3 \times 15 \ell$	T-9 (A \approx 2.5)		$\phi 75$		
		$\phi 3.6 \times 15 \ell$	T-10 (A \approx 2.7)		$\phi 100$		
		$\phi 4.3 \times 15 \ell$	T-15 (A \approx 3.3)		50		
		$\phi 5 \times 15 \ell$	T-20 (A \approx 3.8)		75		
		$\phi 5.5 \times 15 \ell$	T-25 (A \approx 4.4)		100		
		$\phi 6 \times 15 \ell$	T-27 (A \approx 5.0)		150		
		$\phi 6.5 \times 15 \ell$	T-30 (A \approx 5.5)		75		
		$\phi 7$	T-40 (A \approx 6.6)		100		
		$\phi 8$	T-45 (A \approx 7.8)		75		
		$\phi 9$	T-50 (A \approx 8.8)		100		
	Tamper proof 	$\phi 3 \times 15 \ell$	T-8H (A \approx 2.3)	$\phi 7$	75		
		$\phi 3.6 \times 15 \ell$	T-10H (A \approx 2.7)		100		
		$\phi 4.3 \times 15 \ell$	T-15H (A \approx 3.3)		75		
		$\phi 5 \times 15 \ell$	T-20H (A \approx 3.8)		100		
		$\phi 5.5 \times 15 \ell$	T-25H (A \approx 4.4)		75		
		$\phi 6 \times 15 \ell$	T-27H (A \approx 5.0)		100		
		$\phi 6.5 \times 15 \ell$	T-30H (A \approx 5.5)		75		
		$\phi 7$	T-40H (A \approx 6.6)		100		
		$\phi 8$	T-45H (A \approx 7.8)		75		
		$\phi 9$	T-50H (A \approx 8.8)		100		
V-17E		$\phi 6 \times 20 \ell$	E-4 (A \approx 3.8)	$\phi 7$	$\phi 70$		
		$\phi 7$ straight	E-5 (A \approx 4.7)		100		
		$\phi 10 \times 7 \ell$	E-6 (A \approx 5.7)		$\phi 70$		
		$\phi 13 \times 9 \ell$	E-8 (A \approx 7.5)		100		

Applicable driver Please refer to the V-17 type at page 6

Please ask us about Φ marks for their availability



Name	Dimension	Drive size		Inner diameter ($\phi d \times l$)	Total length (L)	Bit name of other company		
		Subsize (H)	Outer (D) diameter			Vessel	Nitto seiko	
V-17B <small>(former V-28B)</small>		H 5	$\phi 8$		32			
		H 5.5	$\phi 9$					
		H 6	$\phi 10$					
		H 7	$\phi 11$					
		H 8	$\phi 13$					
		H 9	$\phi 13$					
		H 10	$\phi 16$					
Applicable driver	Uryu US-3.5ACB/4CA/5CA/4AA/5AA/LT-30B/30C/40B/40C Vessel GT-H4RC/H5RC/6MCD/PLRC Yokota YD-6AL/600CA Yutani Tekko Ryobi D-500							
V-17B		H 4	$\phi 7$ Straight	$\phi 3 \times 25 l$	$\phi 70$ $\phi 100$	B-45	BU-45	
		H 5	$\phi 8$	$\phi 3.5 \times 25 l$ $\phi 3.5 \times 25 l$	$\phi 70$ $\phi 100$ $\phi 150$			
			H 5.5	$\phi 9$	$\phi 4 \times 25 l$ $\phi 4 \times 30 l$			$\phi 70$ $\phi 100$ $\phi 150$
			H 6	$\phi 10$	$\phi 4.5 \times 25 l$ $\phi 4.5 \times 30 l$			$\phi 70$ $\phi 100$ $\phi 150$
	H 7		$\phi 11$	$\phi 5.5 \times 25 l$ $\phi 5.5 \times 30 l$	$\phi 70$ $\phi 100$ $\phi 150$			
				H 8	$\phi 13$			$\phi 6 \times 25 l$ $\phi 6 \times 30 l$
	H 9		$\phi 6.5 \times 25 l$ $\phi 6.5 \times 30 l$	$\phi 70$ $\phi 100$ $\phi 150$				
			H 10	$\phi 16$	$\phi 8 \times 25 l$ $\phi 8 \times 30 l$			$\phi 70$ $\phi 100$ $\phi 150$
		H 11	$\phi 9 \times 25 l$ $\phi 9 \times 30 l$		$\phi 70$ $\phi 100$ $\phi 150$			
			H 12		$\phi 18$			$\phi 10 \times 25 l$ $\phi 10 \times 30 l$
		H 13	$\phi 20$	$\phi 10 \times 25 l$ $\phi 10 \times 30 l$	$\phi 70$ $\phi 100$ $\phi 150$			
				H 14	$\phi 11 \times 25 l$ $\phi 11 \times 30 l$			$\phi 70$ $\phi 100$ $\phi 150$
		H 17	$\phi 24$	$\phi 13 \times 25 l$ $\phi 13 \times 30 l$	$\phi 70$ $\phi 100$ $\phi 150$			

[Note]
H4~H9 are at page 14 and V32B are standard stock

Please refer to the V-17 type at page 6

OHMI SCREW DRIVER BITS

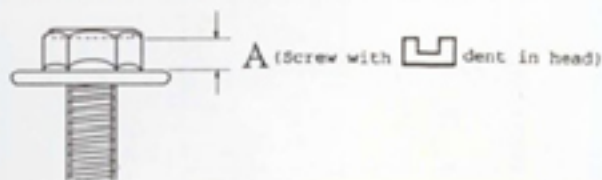


Box bits with magnet

Work efficiency improves due to the magnet inside the bit attracting bolts and nuts.

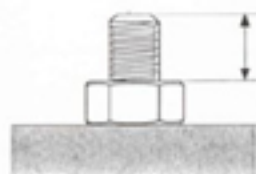
Name	Dimension	Drive size		Inner diameter ($\phi d \times \ell$)	Total length (L)	Bit name of other company	
		Subsize (H)	Outer (D) diameter			Veeool	Nitto seiko
V-17B MAG		H 5	$\phi 8$	When ordering please specify A size.	$\phi 70$ $\phi 100$ $\phi 150$		
		H 5.5	$\phi 9$				
		H 6	$\phi 10$				
		H 7	$\phi 11$				
		H 8	$\phi 13$				
		H 9	$\phi 13$				
		H 10	$\phi 16$				
		H 12	$\phi 18$				
		H 13	$\phi 20$				

[Note] Size A may differ according to the types of screw and may have to make specially. sample screw is needed.



Slide magnet (SM type) type box bits

V-17B Slide MAG		H 5.5	$\phi 9$	Maximum slide range ($\approx 14\text{mm}$)	$\phi 75$ $\phi 100$ $\phi 150$		
		H 6	$\phi 10$				
		H 7	$\phi 11$				
		H 8	$\phi 13$				
		H 9	$\phi 13$				
		H 10	$\phi 16$				
		H 12	$\phi 18$				
		H 13	$\phi 20$				



- ☆Slide magnetic type will expand the working conditions
- ☆Projecting bolt will not give influence when tightening nuts
- ☆It can be used regardless of the height of nut head

[Note] We will separately give the estimate price according to the order volume since they are specially made products.

Applicable driver

Please refer to the V-17 type at page 6

OHMI SCREW DRIVER BITS

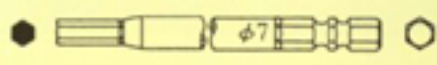
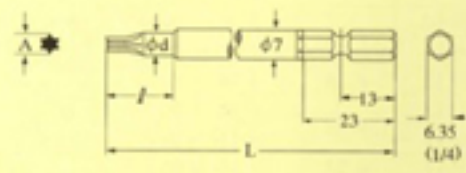
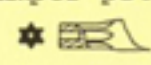
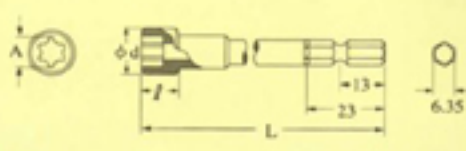


Name	Dimension	Tip diameter ($\phi d \times \ell$)	Point Size	Axis diameter (D)	Total length (L)	Bit name of other company							
						Vessel	Nitto seiko						
V-21W			No 1 ($\ell=17$)	Subtense 6.35mm (1/4)	45	A-14	V-44						
					65								
					110								
					150								
					200								
					No 2 ($\ell=17$)			45					
								65					
								75					
								110					
150													
No 3 ($\ell=15.9$)	150												
	200												
	250												
	300												
	45												
V-21			No 0	Subtense 6.35mm (1/4)	75	D-81							
					No 1			75					
								82					
			No 2		75								
					82								
			V-21M					Blade width 6 mm	0.8t	Subtense 6.35mm (1/4)	45	A-16	
											70		
			Applicable driver		<p>Vessel GT-H4/H4R/H4PR/PH4/H4.5/P4.5D/S4.5D/4T/4TR/4TRL/H5R/H5P/PH5 GT-S5S/P5S/P5LS/5T/5TL/S5TS/PLR/PLP/PLZ/PLH/PLH II GT-S6MLR/S6HS/S6D/P6SL III/P6MS/P6HS/P6S/P6.5D/S6MD/S6MH/P6ML/P6D</p> <p>Hitachi SN-6A/SND-6A/TN-6C/TN-6CS/TNG-6/TNV-6/FW-5D/DNV-6 WH-8DA1/8DC/8DB2/6DC/10AA/12DC/12DE/W-5D/5DA/5/8/6SB/5M/6M W-6SD/6VD/5DC/6VG/5MV/6MV/6SH</p> <p>Makita 6700N/6700P/6800/6800N/6800P/6800PV/6801N/6820V/6811DW/6710D/6710DW 6791-DW/6903-VD/6903VDW/6903VDQ/6903VDRH/6903VDWH/6903VDH 6911-DQ/6911DW/6911D/6911DRH/6911DWH/6911DH/AD450/AD60D/6904V</p> <p>Matsushita Electric Works EZ-6603/6602/6600/6681/6660/6700/6701/7301</p> <p>Ryobi E-3500/3600/3701/3800/D-500/BD-240R/360R/ID-100 BID-1600S/2000/2200/3000/3300/SD-601T/SD-501D</p> <p>Yokota YW6PB/YHW6PB/YD-4.5LB/5WB/4.5B/3.5PBZ/6B/6WB/600B/6PB YD-400SCB/4.5PBZK/50PBZ/65PBZ/500PBZ/600PBZ/650PBZ/40PBZ</p> <p>Japan Pneumatic SD-4/ND-5A/5P/6SC/6PC/5/5L/5HL/5LPY/6LPY/6HPY/6HP/3WY ND-6SLY/6HPLY/6HSY/6HPAY/NPW-450DYO/NPW-550DYO</p> <p>Yutani Tekko DW-5SS/5S/D-6SSAL/6SHSL/6SPAL/6SHPL/6SSAEL/5WPEA/8PL D-6WSPEA/600SHEA/DH-4.5PEA/6PL/6SL</p> <p>Max ATD-3.5/5/ATID-3.5/3.5P/4.5/5/6SL</p> <p>Toshiba DIV-9KS/CDI-9KS/CDT-9K/CDW-9K</p> <p>Tonichi AU50R</p> <p>Kuken KW-6SD/8SD</p>								

Please ask us about marks for their availability

OHMI SCREW DRIVER BITS



Name	Dimension	Tip diameter ($\phi d \times \ell$)	Drive size	Axis diameter (D)	Total length (L)	Bit name of other company			
						Vessel	Nitto seiko		
V-32X (former X-32)	Please refer to page 7 for Hexagon bit (compatible) 		H 1.27		70				
			H 1.5	$\phi 7$	70	A-16	B-35		
			H 8		100 150				
V-21T	Hex-wave bit 	$\phi 2 \times 15\ell$	T-5 (A \approx 1.4)	$\phi 7$	* 65	VT-	VT-		
		$\phi 2.5 \times 15\ell$	T-6 (A \approx 1.7)		* 110				
		$\phi 2.5 \times 15\ell$	T-7 (A \approx 2.0)		* 65				
		$\phi 3 \times 15\ell$	T-8 (A \approx 2.3)		65				
		$\phi 3.3 \times 15\ell$	T-9 (A \approx 2.5)		* 110				
		$\phi 3.6 \times 15\ell$	T-10 (A \approx 2.7)		* 65				
		$\phi 4.3 \times 15\ell$	T-15 (A \approx 3.3)		* 110				
		$\phi 5 \times 15\ell$	T-20 (A \approx 3.8)		65				
		$\phi 5.5 \times 15\ell$	T-25 (A \approx 4.4)		* 110				
		$\phi 6 \times 15\ell$	T-27 (A \approx 5.0)		65				
		$\phi 6.5 \times 15\ell$	T-30 (A \approx 5.5)		* 110				
		$\phi 7$	T-40 (A \approx 6.6)		65				
		$\phi 8$	T-45 (A \approx 7.8)		* 110				
		$\phi 9$	T-50 (A \approx 8.8)		65				
		Tamper proof  *T8H-T50H Can also be compatible Please ask about for their availability.	$\phi 3 \times 15\ell$		T-8H (A \approx 2.3)			$\phi 7$	* 65
			$\phi 3.6 \times 15\ell$		T-10H (A \approx 2.7)				* 110
			$\phi 4.3 \times 15\ell$		T-15H (A \approx 3.3)				65
			$\phi 5 \times 15\ell$		T-20H (A \approx 3.8)				110
			$\phi 5.5 \times 15\ell$		T-25H (A \approx 4.4)				65
			$\phi 6 \times 15\ell$		T-27H (A \approx 5.0)				* 110
			$\phi 6.5 \times 15\ell$		T-30H (A \approx 5.5)				* 65
			$\phi 7$		T-40H (A \approx 6.6)				* 110
		V-21E			$\phi 6 \times 20\ell$			E-4 (A \approx 3.8)	$\phi 7$
$\phi 7$ Straight	E-5 (A \approx 4.7)			* 100					
$\phi 10 \times 7\ell$	E-6 (A \approx 5.7)			* 70					
$\phi 13 \times 9\ell$	E-8 (A \approx 7.5)			* 100					
Applicable driver	Please refer to the V-21 type at page 12								

OHMI SCREW DRIVER BITS


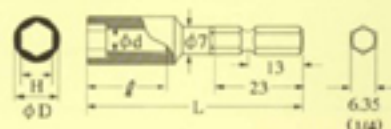
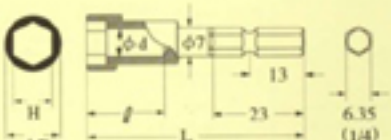


V-32B

Double ditch type Box bits (compatible with V-17, V21)

Name	Dimension	Drive size		Inner diameter ($\phi d \times \ell$)	Total length (L)	Bit name of other company		
		Subtense (H)	Outer (D) diameter			Vessel	Nitto seiko	
V-32B		H 4	$\phi 7$	$\phi 3 \times 20 \ell$	55	A-20		
		H 4.5						
		H 5	$\phi 8$	$\phi 3.5 \times 20 \ell$				
		H 5.5	$\phi 9$	$\phi 4 \times 20 \ell$				
		H 6	$\phi 10$	$\phi 4.5 \times 20 \ell$				
		H 7	$\phi 11$	$\phi 5.5 \times 20 \ell$				
		H 8	$\phi 11$	$\phi 6 \times 20 \ell$				
		H 9	$\phi 13$	$\phi 6.5 \times 20 \ell$				
		H 10	$\phi 16$	$\phi 8 \times 20 \ell$				
		H 11		$\phi 9 \times 20 \ell$				
		H 12	$\phi 18$	$\phi 10 \times 20 \ell$				
		H 13	$\phi 20$	$\phi 10 \times 20 \ell$				
		H 14	$\phi 20$	$\phi 11 \times 20 \ell$				
		H 17	$\phi 24$	$\phi 13 \times 20 \ell$				
V-32B (Formerly-178C) (Formerly-218)		H 3/8	$\phi 16$	$\phi 8 \times 20 \ell$	70 100 70 100/150 70 100 150 70 100/150 70 100 150 70 100 150 70 100 150 70 100 150 70 100 150 70 100 150 70 100 150	B-45	BU-50	
		H 4	$\phi 7$	$\phi 3 \times 20 \ell$				
		H 5	$\phi 8$	$\phi 3.5 \times 25 \ell$				
		H 5.5		$\phi 3.5 \times 30 \ell$				
		H 6	$\phi 9$	$\phi 4 \times 25 \ell$				
		H 6.5		$\phi 4 \times 30 \ell$				
		H 7	$\phi 10$	$\phi 4.5 \times 25 \ell$				
		H 7.5		$\phi 4.5 \times 30 \ell$				
		H 8	$\phi 11$	$\phi 5.5 \times 25 \ell$				
		H 8.5		$\phi 5.5 \times 30 \ell$				
		H 9	$\phi 13$	$\phi 6 \times 25 \ell$				
		H 9.5		$\phi 6 \times 30 \ell$				
			H 10	$\phi 16$				$\phi 6.5 \times 25 \ell$
			H 10.5					$\phi 6.5 \times 30 \ell$
	H 11	$\phi 18$	$\phi 8 \times 25 \ell$					
	H 11.5		$\phi 8 \times 30 \ell$					
	H 12	$\phi 20$	$\phi 9 \times 25 \ell$					
	H 12.5		$\phi 9 \times 30 \ell$					
	H 13	$\phi 24$	$\phi 10 \times 25 \ell$					
	H 13.5		$\phi 10 \times 30 \ell$					
	H 14	$\phi 24$	$\phi 10 \times 25 \ell$					
	H 14.5		$\phi 10 \times 30 \ell$					
	H 15	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 15.5		$\phi 11 \times 30 \ell$					
	H 16	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 16.5		$\phi 11 \times 30 \ell$					
	H 17	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 17.5		$\phi 11 \times 30 \ell$					
	H 18	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 18.5		$\phi 11 \times 30 \ell$					
	H 19	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 19.5		$\phi 11 \times 30 \ell$					
	H 20	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 20.5		$\phi 11 \times 30 \ell$					
	H 21	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 21.5		$\phi 11 \times 30 \ell$					
	H 22	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 22.5		$\phi 11 \times 30 \ell$					
	H 23	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 23.5		$\phi 11 \times 30 \ell$					
	H 24	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 24.5		$\phi 11 \times 30 \ell$					
	H 25	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 25.5		$\phi 11 \times 30 \ell$					
	H 26	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 26.5		$\phi 11 \times 30 \ell$					
	H 27	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 27.5		$\phi 11 \times 30 \ell$					
	H 28	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 28.5		$\phi 11 \times 30 \ell$					
	H 29	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 29.5		$\phi 11 \times 30 \ell$					
	H 30	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 30.5		$\phi 11 \times 30 \ell$					
	H 31	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 31.5		$\phi 11 \times 30 \ell$					
	H 32	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 32.5		$\phi 11 \times 30 \ell$					
	H 33	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 33.5		$\phi 11 \times 30 \ell$					
	H 34	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 34.5		$\phi 11 \times 30 \ell$					
	H 35	$\phi 24$	$\phi 11 \times 25 \ell$					
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	H 39.5		$\phi 11 \times 30 \ell$					
	H 40	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 40.5		$\phi 11 \times 30 \ell$					
	H 41	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 41.5		$\phi 11 \times 30 \ell$					
	H 42	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 42.5		$\phi 11 \times 30 \ell$					
	H 43	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 43.5		$\phi 11 \times 30 \ell$					
	H 44	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 44.5		$\phi 11 \times 30 \ell$					
	H 45	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 45.5		$\phi 11 \times 30 \ell$					
	H 46	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 46.5		$\phi 11 \times 30 \ell$					
	H 47	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 47.5		$\phi 11 \times 30 \ell$					
	H 48	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 48.5		$\phi 11 \times 30 \ell$					
	H 49	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 49.5		$\phi 11 \times 30 \ell$					
	H 50	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 50.5		$\phi 11 \times 30 \ell$					
	H 51	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 51.5		$\phi 11 \times 30 \ell$					
	H 52	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 52.5		$\phi 11 \times 30 \ell$					
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	H 55.5		$\phi 11 \times 30 \ell$					
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	H 56.5		$\phi 11 \times 30 \ell$					
	H 57	$\phi 24$	$\phi 11 \times 25 \ell$					
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	H 58	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 58.5		$\phi 11 \times 30 \ell$					
	H 59	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 59.5		$\phi 11 \times 30 \ell$					
	H 60	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 60.5		$\phi 11 \times 30 \ell$					
	H 61	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 61.5		$\phi 11 \times 30 \ell$					
	H 62	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 62.5		$\phi 11 \times 30 \ell$					
	H 63	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 63.5		$\phi 11 \times 30 \ell$					
	H 64	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 64.5		$\phi 11 \times 30 \ell$					
	H 65	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 65.5		$\phi 11 \times 30 \ell$					
	H 66	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 66.5		$\phi 11 \times 30 \ell$					
	H 67	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 67.5		$\phi 11 \times 30 \ell$					
	H 68	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 68.5		$\phi 11 \times 30 \ell$					
	H 69	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 69.5		$\phi 11 \times 30 \ell$					
	H 70	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 70.5		$\phi 11 \times 30 \ell$					
	H 71	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 71.5		$\phi 11 \times 30 \ell$					
	H 72	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 72.5		$\phi 11 \times 30 \ell$					
	H 73	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 73.5		$\phi 11 \times 30 \ell$					
	H 74	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 74.5		$\phi 11 \times 30 \ell$					
	H 75	$\phi 24$	$\phi 11 \times 25 \ell$					
	H 75.5		$\phi 11 \times 30 \ell$					
	H 76							

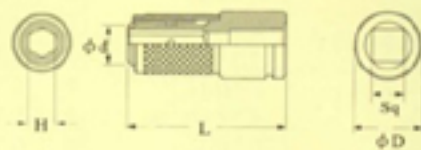

OHMI SCREW DRIVER BITS

Name	Dimension	Drive size		Inner diameter ($\phi d \times \ell$)	Total length (L)	Bit name of other company	
		Subsense (H)	Outer (D) diameter			Vessel	Nitto seiko
V-21B		H 4	$\phi 7$	$\phi 3 \times 20 \ell$	= 55	A-20	
		H 4.5					
		H 5	$\phi 8$	$\phi 3.5 \times 20 \ell$			
		H 5.5	$\phi 9$	$\phi 4 \times 20 \ell$			
		H 6	$\phi 10$	$\phi 4.5 \times 20 \ell$			
		H 7	$\phi 11$	$\phi 5.5 \times 20 \ell$			
		H 8	$\phi 13$	$\phi 6 \times 20 \ell$			
		H 9		$\phi 6.5 \times 20 \ell$			
		H 10	$\phi 16$	$\phi 8 \times 20 \ell$			
		H 11		$\phi 9 \times 20 \ell$			
		H 12	$\phi 18$	$\phi 10 \times 20 \ell$			
		H 13	$\phi 20$	$\phi 10 \times 20 \ell$			
		H 14		$\phi 11 \times 20 \ell$			
	H 17	$\phi 24$	$\phi 13 \times 20 \ell$				
H 3/8	$\phi 16$	$\phi 8 \times 20 \ell$					
Applicable driver	Please refer to the V-21 type at page 12 Remark: Products with single ditch at shank insert are made to order. V-32B is a standard stock product						

Please ask us about  marks for their availability

Bit holder for impact wrench



Name	Dimension	Bit insert (H)	ϕd	Subsense of square for insert (Sq)	ϕD	Total length (L)
BH-3		6.35mm (1/4)	$\phi 11$	3/8 (9.5mm)	$\phi 20$	47
BH-4A		6.35mm (1/4)	$\phi 12$	1/2 (12.7mm)	$\phi 24$	48
BH-4		8.0mm	$\phi 16$		$\phi 25$	49
Applicable driver	 BH-3 / BH-4A \longrightarrow V-17, V32 type BH-4 \longrightarrow V-24 type					

OHMI SCREW DRIVER BITS



Name	Dimension	Tip diameter ($\phi d \times \ell$)	Point Size	Axis diameter (D)	Total length (L)	Bit name of other company	
						Vessel	Nitto seiko
V-23			No 2	Subtense 8 mm	36	C-51	
					80		
					36		
					80		
Applicable driver	Vessel impact driver No.2400 No.2500						

V-24W			($\ell=19$) No 2	Subtense 8 mm	65	A-15		
			($\ell=18$) No 3		110			
			($\ell=17$) No 4		65			
					110			
V-24X (former X-33)			H 5	Subtense 8 mm	70	A-19		
			H 6		⊗ 100			
			H 8		70			
			H 10		⊗ 100			
			H 12		70			
					⊗ 100			
V-24T	<p>Hex-wave bit</p>		$\phi 5.5 \times 15 \ell$	T-25 (A \approx 4.4)	⊗ 65			
			$\phi 6 \times 15 \ell$	T-27 (A \approx 5.0)	⊗ 110			
			$\phi 6.5 \times 15 \ell$	T-30 (A \approx 5.5)	⊗ 65			
			$\phi 7.5 \times 15 \ell$	T-40 (A \approx 6.6)	⊗ 110			
			=====	T-45 (A \approx 7.8)	⊗ 65			
			=====	T-50 (A \approx 8.8)	⊗ 110			
			=====		⊗ 65			
	<p>Tamper proof</p>		$\phi 5.5 \times 15 \ell$	T-25H (A \approx 4.4)	8 mm			⊗ 65
			$\phi 6 \times 15 \ell$	T-27H (A \approx 5.0)	⊗ 110			
			$\phi 6.5 \times 15 \ell$	T-30H (A \approx 5.5)	⊗ 65			
			$\phi 7.5 \times 15 \ell$	T-40H (A \approx 6.6)	⊗ 110			
			=====	T-45H (A \approx 7.8)	⊗ 65			
			=====	T-50H (A \approx 8.8)	⊗ 110			
			=====		⊗ 65			
Applicable driver	Vessel GT-P8MD/GT-P8D Fuji Kuki FWL-8PHD-2 Ohmi Seiki BH-4 (Bit holder for impact wrench)							

Please ask us about marks for their availability



Name	Dimension	Tip diameter $\phi d \times \ell$ ()	Drive size	Axis diameter (D)	Total length (L)	Bit name of other company	
						Vessel	Nitto seiko
V-27			No 1	6.35mm (1/4)	25.4	B-33	
			No 2		25.4		
			No 3		25.4		
V-27T	<p>Hex-wave bit</p> <p>Tamper proof</p>	$\phi 2 \times 10 \ell$	T-5	6.35mm (1/4)	25.4		
		$\phi 2.5 \times 10 \ell$	T-6				
		$\phi 2.5 \times 10 \ell$	T-7 *				
		$\phi 3 \times 10 \ell$	T-8				
		$\phi 3.3 \times 10 \ell$	T-9 *				
		$\phi 3.6 \times 10 \ell$	T-10				
		$\phi 4.3 \times 10 \ell$	T-15				
		$\phi 5 \times 10 \ell$	T-20				
		$\phi 5.5 \times 10 \ell$	T-25				
		$\phi 6 \times 10 \ell$	T-27				
		$\phi 6.5 \times 10 \ell$	T-30				
		6.35mm (1/4)	T-40 *				
		$\phi 3 \times 10 \ell$	T-8 H *				
		$\phi 3.3 \times 10 \ell$	T-9 H *				
		$\phi 3.6 \times 10 \ell$	T-10 H *				
		$\phi 4.3 \times 10 \ell$	T-15 H *				
		$\phi 5 \times 10 \ell$	T-20 H *				
$\phi 5.5 \times 10 \ell$	T-25 H *						
$\phi 6 \times 10 \ell$	T-27 H *						
$\phi 6.5 \times 10 \ell$	T-30 H *						
6.35mm (1/4)	T-40 H *						
Applicable driver	Insert bit for bit holder of other companies						

V-28T	<p>Hex-wave bit</p> <p>Tamper proof</p>		T-25 (A \approx 4.4) *	8 mm	* 32		
			T-27 (A \approx 5.0) *				
			T-30 (A \approx 5.5) *				
			T-40 (A \approx 6.6) *				
			T-45 (A \approx 7.8) *				
			T-50 (A \approx 8.8) *				
			T-25H (A \approx 4.4) *				
			T-27H (A \approx 5.0) *				
			T-30H (A \approx 5.5) *				
			T-40H (A \approx 6.6) *				
	T-45H (A \approx 7.8) *						
	T-50H (A \approx 8.8) *						
Applicable driver	Insert bit for bit holder						

OHMI SCREW DRIVER BITS



Name	Dimension	Tip diameter ($\phi d \times \ell$)	Point Size	Axis diameter (D)	Total length (L)	Bit name of other company		
						Vessel	Nitto seiko	
V-29		$\phi 6$	No. 1	Subtense 8 mm	≈ 30			
					≈ 70			
			No. 2		≈ 30			
					≈ 70			
V-29B		Subtense (H) Subtense (D)	Inner diameter ($\phi d \times \ell$)	≈ 18				
								H 5 $\phi 8$
								H 5.5 $\phi 9$
								H 6 $\phi 10$
								H 7 $\phi 11$
								H 8 $\phi 13$
								H 9 $\phi 13$
								H 10 $\phi 16$
Applicable driver	Uryu US-3.5AC (UNF 1/4 X 28 T screw)							

V-31			No. 2	Straight $\phi 10$	≈ 60		
					≈ 100		
			No. 3		≈ 60		
					≈ 100		
Applicable driver	Uryu UW-9S						

Bit for torque driver, specification by Tonichi Manufacturing Co., Ltd.

V-16		$\phi 3.8 \times 28 \ell$	No. 0	Subtense 6.35mm (1/4)	50		
			No. 1				
			No. 2				
V-16M		$\phi 3.8 \times 28 \ell$	0.6 t				
Applicable driver	Tonichi U-6V/U-12V/U-25V ★ Compatible with V-17 type						

Specification for the products of Matsushita Electric Works Co., Ltd.
Bit exclusive for battery type rechargeable driver

V-18	Magnet attractive type		$\phi 3.8 \times 22 \ell$	No. 1	Subtense 6.35mm (1/4)	45	EZ-9806	
						$\phi 4 \times 52 \ell$	75	EZ-980
						$\phi 5 \times 97 \ell$	120	EZ-9803
						$\phi 5 \times 177 \ell$	200	EZ-9801
						—	45	EZ-9805
						—	≈ 50	EZ-9814
						$\phi 5 \times 52 \ell$	75	EZ-981
						$\phi 5 \times 97 \ell$	120	EZ-9804
V-18M	Magnet attractive type		$\phi 3 \times 52 \ell$	0.5 t		75	EZ-982	
			$\phi 4 \times 52 \ell$	0.8 t	≈ 75	EZ-983		
Applicable driver	Matsushita Electric Works EZ540/EZ6420/EZ503/Other drill drivers							

★ Various types of Matsushita Electric Works impact drivers are of V-21 system
(V-17 series can also be compatible by using an ordinary adapter bit piece)

Please ask us about ☒ marks for their availability

OHMI SCREW DRIVER BITS

Bit exclusive for "Nejicco" Magnet attractive type



Name	Dimension	Tip diameter ($\phi d \times \ell$)	Point Size	Axis diameter (D)	Total length (L)	Bit name of other company	
						Vessel	Nitto seiko
MV-01		$\phi 1.4 \times 15 \ell$	No 0	$\phi 3$	31		
		$\phi 1.7 \times 15 \ell$					
		* $\phi 2.3 \times 15 \ell$	No 1				
		$\phi 2.3 \times 15 \ell$					
		* $\phi 2.6 \times 15 \ell$					
Applicable driver		National Panasonic NM-122/ NM-101/ NM-101L					

V-05		$\phi 1.4 \times 20 \ell$	No 0	$\phi 4$	44		
		$\phi 1.7 \times 20 \ell$					
		* $\phi 2.3 \times 20 \ell$	No 1				
		$\phi 2.3 \times 20 \ell$					
		* $\phi 2.6 \times 20 \ell$					
Applicable driver		Nitto Delvo Please refer to V-05 type at page 24					

V-14		* $\phi 2 \times 20 \ell$	No 0	$\phi 6$	50		
		* $\phi 1.4 \times 20 \ell$	No 0				
		* $\phi 1.7 \times 20 \ell$					
		* $\phi 2 \times 20 \ell$	No 1	$\phi 6$	60		
		* $\phi 2.3 \times 20 \ell$					
		* $\phi 2.6 \times 20 \ell$					
		* $\phi 2.6 \times 30 \ell$	No 1	$\phi 6$	75		
		* $\phi 2.8 \times 30 \ell$					
		* $\phi 2.6 \times 30 \ell$	No 1	$\phi 6$	100		
		* $\phi 2.8 \times 30 \ell$					
		* $\phi 2.8 \times 30 \ell$	No 1	$\phi 6$	120		
		* $\phi 3.2 \times 30 \ell$					
		* $\phi 3.2 \times 20 \ell$	No 2	$\phi 6$	60		
		* $\phi 4.0 \times 20 \ell$					
		* $\phi 3.0 \times 30 \ell$	No 2	$\phi 6$	75		
		* $\phi 3.2 \times 30 \ell$					
		* $\phi 4 \times 30 \ell$					
		* $\phi 3.2 \times 30 \ell$	No 2	$\phi 6$	100		
* $\phi 4 \times 30 \ell$							
* $\phi 3.2 \times 30 \ell$	No 2	$\phi 6$	120				
Applicable driver		Please refer to V-14 type at page 3					

V-17		$\phi 1.4 \times 20 \ell$	No 0	$\phi 7$	75		
		* $\phi 2 \times 20 \ell$	No 1				
		* $\phi 2.3 \times 20 \ell$					
		* $\phi 3.2 \times 30 \ell$	No 2				
		* $\phi 3 \times 30 \ell$					
* $\phi 3.2 \times 30 \ell$							
Applicable driver		Please refer to V-17 type at page 6					

Please ask us about ® marks for their availability

OHMI SCREW DRIVER BITS



Exclusive bit for electric drivers, specification by National Panasonic
Bit for Panavisetter and hand tools

Name	Dimension	Tip diameter ($\phi d \times \ell$)	Point Size	Axis diameter (D)	Total length (L)	Compatible National Panasonic bit item numbers	
MV-01		$\phi 2 \times 15 \ell$	No.0	$\phi 3$	* 31	M51911104010	
		$\phi 2.5 \times 15 \ell$					
		$\phi 3$ Straight		No.0	$\phi 3$	* 31	M51911004020
				No.1		* 60	M53933123280
No.2				* 65			
		Reverse step $\phi 4 \times 60 \ell$	No.1	$\phi 3$	* 75	M53931070480	
MV-01T		$\phi 1.5 \times 15 \ell$	T-1	$\phi 3$	* 31		
		$\phi 1.5 \times 15 \ell$	T-2				
		$\phi 1.7 \times 15 \ell$	T-3				
		$\phi 1.8 \times 15 \ell$	T-4				
		$\phi 2 \times 15 \ell$	T-5				
		$\phi 2.5 \times 15 \ell$	T-6				
Applicable driver	National Panasonic NM-122/NM-101/NM-101L						

MV-14		$\phi 4.3 \times 14 \ell$	No.1	$\phi 5.3$	* 105	M53931990010	
					* 125	M53931990070	
				No.1	$\phi 5.3$	* 105	M53931990020
						* 120	
						* 125	M53931990080
						* 140	
						* 150	
						* 165	
				No.2	$\phi 5.3$	* 105	M53931990030
						* 120	K33043990070
						* 125	M53931990090
						* 130	M53931600970
						* 135	K33043990080
						* 140	M53931602590
						* 145	
						* 150	A73000000360
						* 155	K33043990100
						* 160	
* 165	M53933105730						
* 170							
* 175	M53933116560						
Applicable driver	National FE-A310L/A310HM/A310S/A111MH/A111M Panasonic NM107/NM112/NM112H/NM113/NM113H/NM114/NM115/NM124/NM126 NM143FM/NM144/NM145ES Panavisetter electric driver EF-M31S/M31M/M31L Air driver 35 type/40S type/40 type						

Please ask us about ® marks for their availability

OHMI SCREW DRIVER BITS



Exclusive bit for electric drivers, specification for National Panasonic
Bit for Panavisetter and hand tools

Name	Dimension	Tip diameter ($\phi d \times \ell$)	Point Size	Axis diameter (D)	Total length (L)	Compatible National Panasonic bit item numbers		
MV-14			No.1	$\phi 6$	* 75	M51910104120		
					* 100	M53931816490		
					* 105	K33042990010		
					* 120	—		
					* 125	K33043990020		
					* 135	—		
					No.2	$\phi 6$	* 75	M51910104110
							* 95	—
							* 100	M53931990050
							* 105	M53931990040
							* 110	M53933108460
							* 115	M53933105180
							* 120	K33043990030
							* 125	M53931990100
							* 125	FAGM00030160
							* 130	M53931818940
							* 130	M53933105430
							* 135	K33043990040
							* 140	M53931818260
							* 145	M53933105160
							* 150	M54941093020
							* 150	FAGM00130160
							* 155	K33043990060
							* 155	M53931702650
							* 160	M53931602210
							* 165	M53931700540
							* 170	M53931703100
							* 175	A80022000100
							* 185	M53931704560
							* 185	FAGM00132160
							* 190	—
							* 195	—
							* 200	K1005311032
* 225	A60209020070							
* 250	A80260020030							
* 300	A80095010030							
MV-14 For nipple		$\phi 1.6$	0.8t	$\phi 6$	* 105	M53931990110		
		$\phi 2.0$			* 112	M53931990120		
		$\phi 2.7$			* 112	M53931990130		
Applicable driver	National Panasonic MV-14 type at page 20							

Please ask us about marks for their availability

OHMI SCREW DRIVER BITS



Exclusive bit for electric drivers, specification by National Panasonic
Bit for Panavisetter, multi-axis automatic machines and hand tools

Name	Dimension	Tip diameter ($\phi d \times \ell$)	Point Size	Axis diameter (D)	Total length (L)	Compatible National Panasonic bit item numbers
MV-14		$\phi 2.5 \times 10 \ell$	No 1	$\phi 3.5$	≈ 150	K 20167020130
		$\phi 4.5 \times 25 \ell$	No 2	$\phi 5$	≈ 150	A 40223020120
		$\phi 3.5 \times 83 \ell$	No 1	Subtense 5 mm	≈ 105	M53931707630
		$\phi 3.5 \times 128 \ell$			≈ 150	M54941090070
		$\phi 4 \times 128 \ell$			≈ 150	M54941091020
		$\phi 4 \times 153 \ell$			≈ 175	K 10053110110
		$\phi 4.3 \times 83 \ell$			≈ 105	M53931701100
		$\phi 5 \times 128 \ell$			≈ 150	M53931816420
		$\phi 5 \times 128 \ell$	No 2	Subtense 5 mm	≈ 150	A 20060020070
		$\phi 5 \times 128 \ell$			≈ 150	M54941092010
		$\phi 5 \times 153 \ell$			≈ 175	K 10053110210
		$\phi 5 \times 178 \ell$			≈ 175	M53931815260
	$\phi 5 \times 203 \ell$			≈ 200	M53931816770	
				≈ 225	K 10053110230	
Applicable driver	National Panasonic (multi-axis) automatic screw tightening Machine Multi-NM-5402T Series					

MV-17			No 2	$\phi 7$	≈ 75	M51910124110
					≈ 75	M51910124100
					≈ 95	—
					≈ 100	M53931990060
					≈ 110	M53931623450
					≈ 115	M53931703850
					≈ 120	M53933105250
					≈ 125	—
					≈ 130	M53931700660
					≈ 135	M53931705420
					≈ 140	—
					≈ 150	M54941094030
					≈ 155	M53931607730
					≈ 160	M53933051110
≈ 170	M53931816360					
≈ 175	M53931816550					
≈ 175	K 10053110410					
≈ 225	K 10053110430					
Applicable driver	National Panasonic Panavisetter Air driver NM-302 Series 50 type automatic screw tightening Machine Multi-NW-5402T Series					

Please ask us about \approx marks for their availability

OHMI SCREW DRIVER BITS



Screw tightening robot and screw-type bit for automatic machine,
specification by National Panasonic
For SRE SRA screw-robot, stand and slide series
FE-D406·FE-D406C·NM-5437SF FE-C401·NM-331F FE-E401·FE-E402

Dimension	Name & Item No.	Screw diamete	Point Size	Shape size ($\phi d \times \ell$)	Total length (L)	Troche diameter (ϕD)	Spanner hook (t x L ₂)	Former item number
	M53931990150	M 3	No 0	$\phi 2 \times 6 \ell$	41	$\phi 5$	2.5 x 20	35049
	M53931990160			$\phi 2 \times 10 \ell$			2.5 x 16	
	M53931990170			$\phi 2 \times 12 \ell$			2.5 x 14	
	M55950571250			$\phi 2 \times 16 \ell$			2.5 x 10	
	M54940091030			No 1	$\phi 2 \times 12 \ell$		51	2.5 x 24
	M55952140110						54	2.5 x 27
	A 80256010020			$\phi 2 \times 12 \ell$	$\# 57$		2.5 x 30	
	M53931990180		No 1	$\phi 3$ Straight	41	$\phi 5$	2.5 x 20	35049
	M55950951980	M 3	No 0	$\phi 3 \times 37 \ell$	48	$\phi 5$	1.8 x 23	
	M53930220920			$\phi 3 \times 43 \ell$	54		1.8 x 30	
	M53930220990			$\phi 3.5 \times 43 \ell$			2.0 x 30	
	M55950951970			$\phi 2.5 \times 46 \ell$	57		1.5 x 32	
	M55950170170	M 3	No 0	$\phi 2.5 \times 63 \ell$	74	$\phi 4$	1.5 x 30	35051
	M55950170160		No 1	$\phi 3.5 \times 63 \ell$			2.0 x 30	35052
	M55950000400	M 5	No 1	$\phi 4 \times 63 \ell$	74	$\phi 6$	2.0 x 30	35055
	M55950925160			$\phi 4 \times 80 \ell$	$\# 91$		2.0 x 50	
	M55950967350			$\phi 5 \times 125 \ell$	$\# 136$		3.0 x 65	
	M55950936060			$\phi 5 \times 125 \ell$	$\# 136$		2.8 x 50	
	M55950000410		No 2	$\phi 5 \times 63 \ell$	74		2.8 x 30	35054
	M55950000412			$\phi 5 \times 80 \ell$	91		2.8 x 30	35050
	M55950110100			$\phi 5 \times 125 \ell$	$\# 136$		2.8 x 50	
	A 73133010050			$\phi 5 \times 125 \ell$	$\# 136$		2.8 x 50	
	M55950190120	M 6	No 2	$\phi 6 \times 63 \ell$	74	$\phi 7$	3.8 x 30	35053
	M55950940990			$\phi 6 \times 80 \ell$	$\# 91$		3.8 x 30	
	FAGD0015068 (M55951010300)	M 6	No 1	$\phi 3.5 \times 63 \ell$	74	$\phi 8$	2.0 x 30	A bit
FAGD0015069 (M55951010310)	No 2		$\phi 5 \times 63 \ell$	2.8 x 30			B bit	
FAGD0015071 (M55951010320)			$\phi 6 \times 63 \ell$	3.8 x 30			C bit	
FAGD0015099-A -B	M 6	No 1	$\phi 3.2 \times 63 \ell$	74	$\phi 8$	2.2 x 8	D bit	
FAGD0015098-A -B			$\phi 4.5 \times 63 \ell$			3.5 x 8		
FAGD0015059-A -B		No 2	$\phi 4.5 \times 63 \ell$			3.5 x 8		
FAGD0015028-A -B			$\phi 6 \times 63 \ell$			5.5 x 8 4.5 x 8		

Please ask us about W marks for their availability

OHMI SCREW DRIVER BITS



Exclusive bit for Delvo Electric Driver,
specification by Nitto kohki Co., Ltd.

Name	Dimension	Tip diameter ($\phi d \times \ell$)	Drive size	Axis diameter (D)	Total length (L)	Bit name	
						Delvo item No.	
V-05		$\phi 2 \times 20 \ell$	No00	$\phi 4$	44	DLB-2122 (Note)	
					64	DLB-2123 (Note)	
		$\phi 1.8 \times 20 \ell$	No 0		44	DLB-2120	
					64	DLB-2121	
		$\phi 2 \times 20 \ell$			44	DLB-2122 (Note)	
					64	DLB-2123 (Note)	
		$\phi 2.5 \times 20 \ell$	No 1		44	DLB-2124	
					64	DLB-2125	
		$\phi 3 \times 20 \ell$	No 1		44	DLB-2126	
					64	DLB-2127	
$\phi 4$ Straight	No 2	44	DLB-2128				
		64	DLB-2129				
		44	DLB-2130				
		64	DLB-2131				
		$\phi 6$	No 3	$\phi 4$	44	DLB-2132	
V-05M		$\phi 2 \times 20 \ell$	0.3 t	$\phi 4$	44	DLB-2220	
		$\phi 2.5 \times 20 \ell$				DLB-2221	
		$\phi 3 \times 20 \ell$				DLB-2222	
		$\phi 4$ Straight				DLB-2223	
		$\phi 5 \times 20 \ell$				DLB-2224	
V-05X (former X-34)		$\phi 3 \times 17 \ell$	H1.5	$\phi 4$	44	DLB-2321	
			H 2			DLB-2322	
			H2.5			DLB-2325	
		$\phi 4$ Straight	H 3			DLB-2323	
		$\phi 5 \times 20 \ell$	H 4			DLB-2324	
V-05T		$\phi 1.5 \times 20 \ell$	T-1 (A \approx 0.8)	$\phi 4$	44		
						64	
			T-2 (A \approx 0.9)		44		
						64	
			$\phi 1.7 \times 20 \ell$		T-3 (A \approx 1.1)	44	
						64	
			$\phi 1.8 \times 20 \ell$		T-4 (A \approx 1.3)	44	
						64	
			$\phi 2 \times 20 \ell$		T-5 (A \approx 1.4)	44	
						64	
			$\phi 2.5 \times 20 \ell$		T-6 (A \approx 1.7)	44	
						64	
					T-7 (A \approx 2.0)	\otimes 44	
						\otimes 64	
					T-8 (A \approx 2.3)	44	
						64	
			$\phi 3 \times 20 \ell$		T-9 (A \approx 2.5)	\otimes 44	
		\otimes 64					
	T-10 (A \approx 2.7)	44					
		64					
	$\phi 2.5 \times 20 \ell$	T-7H	\otimes 44				
			\otimes 64				
		T-8H	44				
			64				
	$\phi 3 \times 20 \ell$	T-9H	\otimes 44				
			\otimes 64				
		T-10H	44				
			64				
Applicable driver	Delvo	DLV-6320 / DLV-6330 / DLV-6310 / DLV-6321 / DLV-6331 DLV-7020 / 7030 / 7031 / DLV-8020 / 8030 / 8031 DLV-7312 / 7313 / DLV-7320 / 7321 / 7323 / 7325 / DLV-7330 / 7331 / 7410 DLV-7319 / 7329 / 7333 / 7335 / 7339 / DLV-3321 / 3331 / 3133 / 3141 / 3151 etc.					

Please ask us about \otimes marks for their availability



SCREW DRIVER BITS



Exclusive bit for Delvo Electric Driver,
specification by Nitto kohki Co., Ltd.

Name	Dimension	Tip diameter ($\phi d \times \ell$)	Drive size	Axis diameter (D)	Total length (L)	Bit name	
						Delvo item No.	
V-05B		$\phi 4$ Straight	H 2.3	$\phi 4$	44	DLB-2420	
			H 2.5			DLB-2421	
		$\phi 5 \times 20 \ell$	H 3			DLB-2422	
			$\phi 6 \times 20 \ell$			H 4	DLB-2423
			$\phi 7 \times 20 \ell$			H 4.5	DLB-2424
			$\phi 8 \times 20 \ell$			H 5	DLB-2425
		H 5.5	DLB-2426				
Applicable driver	Delvo DLV-6320 / DLV-6330 / DLV-6310 / DLV-6321 / DLV-6331 DLV-7020 / 7030 / 7031 / DLV-8020 / 8030 / 8031 DLV-7312 / 7313 / DLV-7320 / 7321 / 7323 / 7325 / DLV-7330 / 7331 DLV-7319 / 7329 / 7333 / 7335 / 7339 / DLV-3321 / 3331 / 3133 / 3141 / 3151 etc.						

DV-14		$\phi 4 \times 30 \ell$	No 1	$\phi 6$	70	DLB-3120	
					100	DLB-3125	
					$\phi 4 \times 70 \ell$	70	DLB-3121
						100	DLB-3127
		$\phi 5 \times 30 \ell$	No 2		120	DLB-3130	
					$\phi 4 \times 70 \ell$	70	DLB-3122
		$\phi 6$ Straight	No 1		100	DLB-3126	
					120	DLB-3131	
	No 2	70	DLB-3123				
		100	DLB-3128				
		70	DLB-3124				
		100	DLB-3129				
		120	DLB-3133				
Applicable driver	Delvo DLV-7120 / 7122 / 7130 / 7132 / 7140 / 7142 / 7220 / 7222 / 7230 / 7231 / 7232 / 7241 / 7242 DLV-8120 / 8122 / 8130 / 8132 / 8140 / 8142 / 8220 / 8222 / 8231 / 8232 / 8241 / 8242 DLV-3121 / 3131 / 3141 / 3151 etc. [Note] For the following auto-feed Delvo, only L-120 of total length can be used.						

DV-17		$\phi 7$ Straight	No 1	$\phi 7$	≈ 50	DLB-4129	
					≈ 75	DLB-4120	
					≈ 100	DLB-4123	
					No 2	≈ 50	DLB-4130
						≈ 75	DLB-4121
						≈ 50	DLB-4131
No 3	≈ 75	DLB-4122					
Applicable driver	Delvo DLV-1130 / 1140 / 1141 / 1150 / 1161 / 1171 DLB-7251 / 7252 / 8150 / 8151 / 8152 / 8251 / 8252 etc. DLL-9020 (Bit type) (this type also usable for double bit)						

Subtense size of box bits and the diameter of screws

Subtense size of box bit	Size name (outer diameter of screws) of bolts and nuts				
	Meter screw				Whitworth screw
	Standard		Small head size		
	New	Old※	New	Old※	
H 4 ⅝	M 2				
H 4.5	M 2.3	M 2			
H 5	M 2.6	M 2.3			
H 5.5	M 3	M 2.6			
H 6	M (3.5)	M 3			
H 7	M 4	M (3.5)			
H 8	M 5(4.5)	M 4			
* H 9	6	M 5(4.5)			
H 10	M 6	M 6			W 1/4
H 11	M (7)				
* H 12			M 8	M 8	
H 13	M 8				
* H 14		M 8	M 10	M 10	W 5/16
H 17	M 10	M 10	M 12		W 3/8

★Products with ※ mark are the sizes which disappear after new JIS is adopted. (R.E.F)

★Products with () in the size names are rarely used.

★Size names of Whitworth are the same as old JIS.

Subtense size of hexagon bit and their diameter

Subtense size of hexagon bit	Hexagon cap-screw with a hole	Hexagon set screw with a hole
H 1.27 ⅝	M 1.4	M 2.5(M 2.6)
H 1.5	M 2	M 3
H 2	M 2.5(M 2.6)	M 4
H 2.5	M 3	M 5
H 3	M 4	M 6
H 4	M 5	M 8
H 5	M 6	M 10
H 6	M 8	M 12(M 14)
H 8	M 10	M 16(M 18)
H 10	M 12	M 20
H 12	(M)14	
H 14	M 16(M 18)	

Applicable screw sizes for Hex-wave bit

T-type drive

Drive size	A (reference value)	Precision machine small screw		Tapping small screw (flat headed, round headed)	Bolt with a hole (cap screw)	Set screw with a hole (set screw)
		1 · 2	3			
T 1	0.8 mm	M 1	M 1			
T 2	0.9	M1.2	M1.2			
T 3	1.1	M1.4	M1.4			
T 4	1.3	M1.7(M1.6)	M1.7(M1.6)			
T 5	1.4	M 2	M 2			M2.6(M2.5)
T 6	1.7			M 2		M 3 (M3.5)
T 7	2.0					
T 8	2.3			M2.6(M2.5) #1UNF	M2.6(M2.5)	M 4 (M4.5)
T 9	2.5					
T 10	2.7			M 3(M3.5) #3UNF	M 3	M 5
T 15	3.3			M3.5(
T 20	3.8			M 4(M4.5) #5UNF		M 6
T 25	4.4			M 5 #6UNF	M 4 (M4.5)	
T 27	5.0			(M6 Button) #8UNF	M 5	M 8
T 30	5.5			M 6 #10UNF	M 6	
T 40	6.6			M 8 #12UNF	(M 8)	M10
T 45	7.8			(M10)	M 8	M12
T 50	8.8			M10(M12)	M10	M14

E-type drive

Drive size	A (reference value)	Bolt small screw	Nut
E 4	3.8mm	M 3	
E 5	4.7	M 4	
E 6	5.7	M 5	M 3
E 8	7.5	M 6	M 4
E 10	9.4	M 8	M 5
E 12	11.1	M 10	M 6

Special Recess



1. Products with Tamper proof are standard stock items except items with **TM** mark.
2. Products with pilot are items produced by order.

Remark:

Names of products of other companies can be referred to the product names of OHSI catalog as follows (examples of reference)

V-14T ← NT..... V-21T ← VT.....
 V-17T ← JT V-24T ← V5.....
 V-14T(E type) ← NE..... V-21T(E type) ← VE.....
 V-17T(E type) ← JE