

Products of Fastener Division



Micro/ Precision screw



Self-tapping screw



Special cold forged parts



Aluminum fastening parts



Special assembly parts



GPIN®·SPIN®



Z Bit Patented product

Realizes significant productivity and fastening performance.

- This is a high-spec driver bit which realizes efficiency in transmitting the torque by minimizing the clearance with cross recess.
- The specially made drive point is good to minimize the stress on the point and prevent break and chipping.

For more contact

Remarks Column

NITTOSEIKO CO.,LTD.

Fastener Division Global Sales Section

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Printed in Japan

IS-F-2-E_BIT

Design and specifications are subject to change without notice.

IS000522

DRIVER BITS

Solution for High Fastening Quality and Productivity

Driver Bits

Catalogue



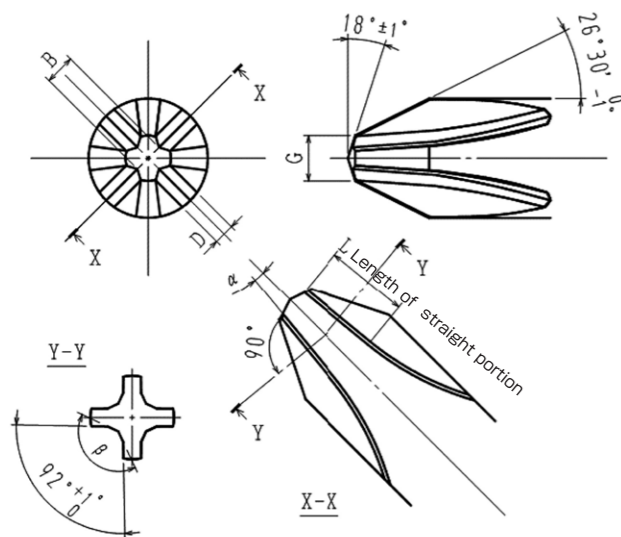
NITTOSEIKO

Support high fastening performance with Nitto Seiko's Driver Bits

We will meet your needs together with accurate, durable, and superior cost-performance product lineup.

Standard Dimension of Cross Recess Driver Bits

Standard Dimensions of Nitto Seiko's Driver Bits for Cross Recess are based on JIS B4633 TYPE H.

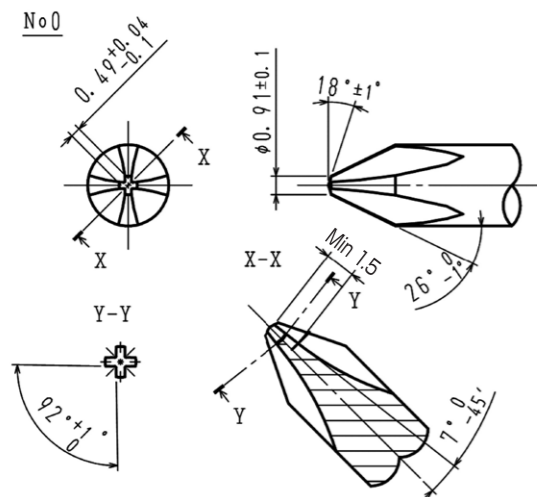


		(mm)				
		Nominal Bit Size	No.1	No.2	No.3	No.4
B	Dimension	1.001	1.539	2.497	3.574	
	Tolerance	+0.05 -0.14	+0.07 -0.15	+0.10 -0.17		
D	Dimension	0.513	1.102	2.098	2.738	
	Tolerance	+0.20 -0.10		+0.25 -0.15		
G	Dimension	1.270	2.286	3.810	5.080	
	Tolerance	±0.15		±0.20		
L	Minimum	2.5	3.7	5.2	7.6	
	Dimension	7°	5°45'	5°45'	7°	
alpha	Dimension	0 -45'				
	Tolerance					
beta	Dimension	138°	140°	146°	153°	
	Tolerance	+45' 0°				

Driver Bits for No.0 Cross Recess for precision equipment

(Dimensions are based on JIS B4633 TYPE S)

We also manufacture driver bits for precision equipments. It will support efficient assembly for optical, measuring equipments and other precision products.



Hardness Grade

Normal

Grade	B	C	D	E
Hardness	52~54	55~57	58~60	61~63

Toughness ← → Abrasion resistance



※D grade of heat treatment will be applied unless specified.

Type of Drive Points

Name	Shape of Recess	Shape of drive point	Function																																			
CROSS RECESS No.00,0,1,2,3,4			Standard Type																																			
SLOTTED																																						
TORX®			Camout prevention Recess ream prevention																																			
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TPR®																																						
HEXAGON CAP			Camout prevention Recess ream prevention																																			
SQUARE																																						

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Shape of Driver Bits

※Only typical drive points are displayed. Please consult Nitto Seiko sales team for other type of drive points.

Model No.	Dimension	CROSS RECESS	Length
U22 (d×ℓ)		No.0	31 50
U23		No.0 No.1	31 50
U30		No.0 No.1 No.2 No.3	50 75 100 150
U31 (d×ℓ)		No.0 No.1 No.2	50 75 100 150
U40		No.0 No.1 No.2 No.3	70 100 120
U41 (d×ℓ)		No.0 No.1 No.2	70 100 120 150
U44		No.1 No.2	70 100 120 150

Please specify dimension for d x ℓ.

Model No.	Dimension	CROSS RECESS	Length
U50		No.0 No.1 No.2 No.3	50 75 100 120 150 200
U51 (d×ℓ)		No.0 No.1 No.2 No.3	50 75 100 120 150 200
U54		No.0 No.1 No.2 No.3	50 75 100 120 150 200
U55		No.1 No.2 No.3	50 75 100 120 150 200
U57		No.1 No.2 No.3	23 30
N60		No.0 No.1 No.2 No.3	50 75 100 150 200
N63 (d×ℓ)		No.0 No.1 No.2 No.3	50 75 100 150 200
V44		No.1 No.2 No.3	45 65 110 150

Please specify dimension for d x ℓ.

Model No.	Dimension	CROSS RECESS	Length
R70		No.0 No.1 No.2 No.3	50 75 100 150 200
Z17		No.0 No.1 No.2 No.3	25.4 50.8
Z27		No.0 No.1 No.2 No.3	25.4 50.8
Z33		No.0 No.1 No.2 No.3	33.3 69.8 88.9 152.4
H40		No.0 No.1 No.2 No.3	50 75 100 150 200

Model No.	Dimension	HEXAGON	Length
HU30		3 4 5	50 75 100 150
HU40		3 4 5	50 75 100 150
HU50		3 4 5 6	50 75 100 150
HU54		3 4 5 6	50 75 100 150

Please specify dimension for ℓ.

Model No.	Dimension	CROSS RECESS	SLOTTED	TORX®	TORX PLUS®	TORX PLUS® FIVE LOBE	Length
J41 (d×ℓ)		No.00* No.0 No.1 No.2	0.3 0.4 0.5	T1 T2 T3 T4 T5 T6	3IP 4IP 5IP 6IP	3IPR 4IPR 5IPR 6IPR	40 60
J51 (d×ℓ)		No.00* No.0 No.1 No.2	0.3 0.4 0.5	T1 T2 T3 T4 T5 T6	3IP 4IP 5IP 6IP	3IPR 4IPR 5IPR 6IPR	40 60
L60		No.00* No.0 No.1 No.2	0.3 0.4 0.5	T1 T2 T3 T4 T5 T6	3IP 4IP 5IP 6IP	3IPR 4IPR 5IPR 6IPR	44 66
L61 (d×ℓ)		No.00* No.0 No.1 No.2	0.3 0.4 0.5	T1 T2 T3 T4 T5 T6	3IP 4IP 5IP 6IP	3IPR 4IPR 5IPR 6IPR	44 66
X75A		No.00* No.0 No.1	0.3 0.4 0.5	T1 T2 T3 T4 T5 T6	3IP 4IP 5IP 6IP	3IPR 4IPR 5IPR 6IPR	50
X75B (d×ℓ)		No.00* No.0 No.1	0.3 0.4 0.5	T1 T2 T3 T4 T5 T6	3IP 4IP 5IP 6IP	3IPR 4IPR 5IPR 6IPR	50

Please specify dimension for d x ℓ.

※If you want to order No.00, please contact Nitto Seiko's sales team.

When you place an order, please inform us followings;

1. Model No.
2. Shape and size of drive point
3. Overall Length
4. d x ℓ of shouldered portion (if required)
5. Hardness Grade

※Special length of bits are also available. Please contact Nitto Seiko's sales team.

Driver Bits for Automatic Screw Driving Machines (Cross Recess)

※Only bits for cross recess are displayed. Please consult Nitto Seiko sales team for other type of drive points.

Model No.	Dimension	CROSS RECESS	Length	Applicable machine type	
SF30		No.1 No.2	120 135 150 165	FM503H FM510C FM5000C	
SF31		No.0 No.1	108 150 120 165 135		
SF40		No.1 No.2	120 165 135 180 150		
SF41		No.1 No.2	120 165 135 180 150		
SF50		No.1 No.2 No.3	120 165 135 180 150		
SF51		No.1 No.2	120 165 135 180 150		
SM300		No.0 No.1 No.2	25		
SM600		No.1 No.2 No.3	25		
SM30V		No.1 No.2	100		Vacuum type SR565Yθ(-Z) SR370Yθ FM513V(Z)
SM32V		No.1 No.2 No.3	100		

部品表 [A]

種内記号	内容	手配指示 (5桁)	手配	原寸サイズ
EDP #	A No. or B No.	内容	1組の目数	
			01 02 03 04	
12125	B01	ビット	5	

EDP No. ↓

Machine No. ↓

Serial No. 00000

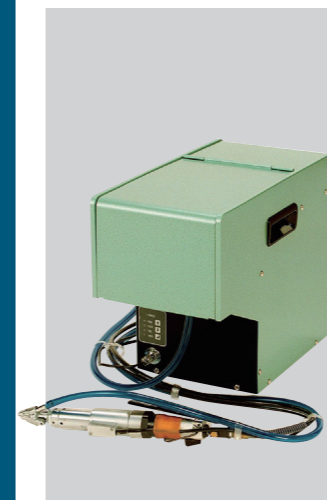
NITTO SEIKO CO., LTD.

How to order

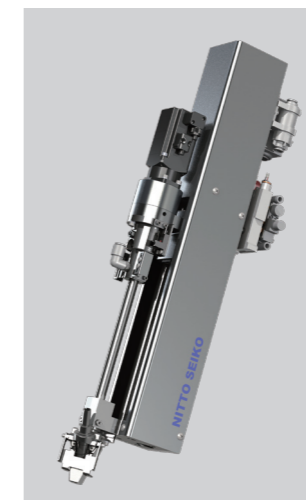
- ※To order driver bits for automatic screw driving machines, please contact the distributor or trade firm where you have bought the machines.
- ※Please inform us the machine's serial number and EDP number (drawing No.) on the parts list.
- ※Please order by multiples of 10 pcs.

Serial number consists of ;
One or two alphabetical letters and
four to five digits of numbers.

Products of Assembly Machine Division



Handy automatic screw driver FM503H



Single spindle screw driver FM513V(Z)



Yθ type screw driving robot SR565Yθ(-Z)



Multi spindle screw driver FM5000



Based on field experiences as manufacturer of screw driving machines, the tip of bit is specially designed to prevent lifting of products after fastening due to too much engagement.