

Our product lineups include various types of standard tips that are capable of dealing with various types of lapping, including removal of pick feed direction lines, hardened layers of plastic, and pressed die-cast molds.

INDEX

 **SANWA SHOKO CO.,LTD.**

	LAPTRON ALL III	P1
	LAPTRON ALL III R	
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	LAPTRON 55R	P9
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※Please specify "Part No." when placing an order.

※For some products, there may be only a few products left in stock. Please check the inventory status with our company before placing an order.

●The design and specifications are subject to change without prior notice for product improvement. ●Please use our genuine products for the chucks and tips.

Manufacturer And Seller  **SANWA SHOKO CO.,LTD.**

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E-mail contact@sanwashoko.co.jp

URL https://www.sanwashoko.co.jp

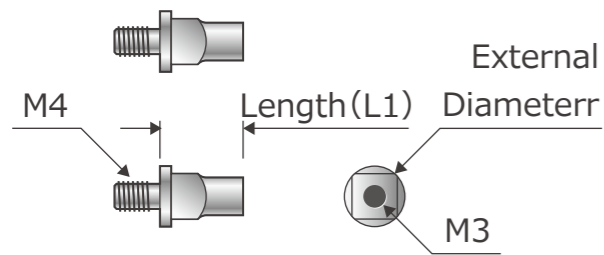
Agent

LAPTRON_TIP_EN_240327

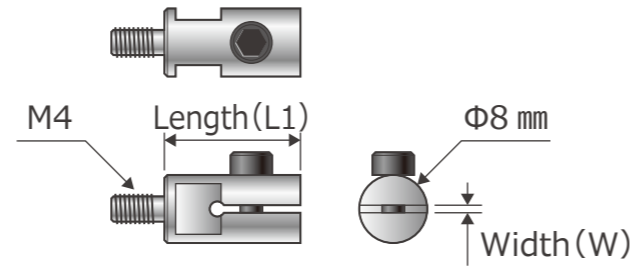
■Please feel free to ask. Sales division: **+81-3-3376-3464**

Chuck

For Metal Bond-Diamond Tips SKB



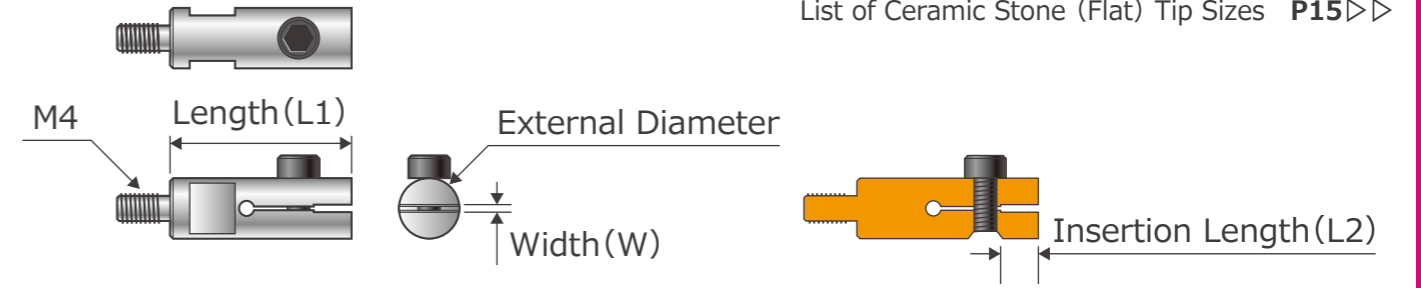
Electroplated Diamond Tips (Flat) STA 11-18



Part No.	External Diameter/ mm	Length(L1)/ mm
SKB	Φ8	11

Part No.	Width(W)/ mm	Length(L1)/ mm
STA11-18	1.1	18

For Ceramic Stone (Flat) STA 06L/11L/21L

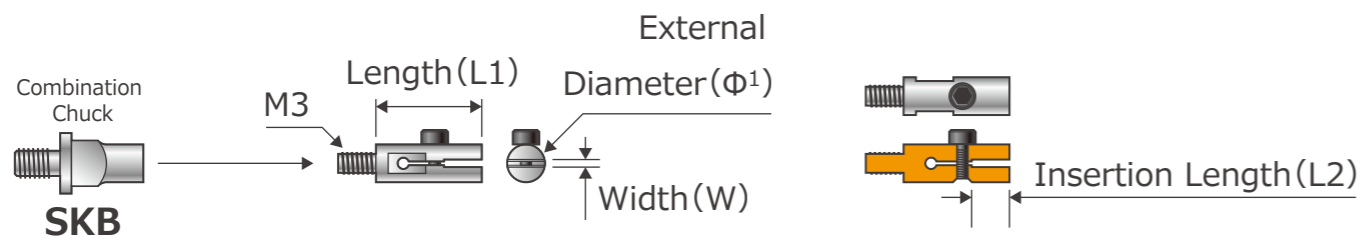


Part No.	External Diameter/ mm	Width(W)/ mm	Length(L1)/ mm	Insertion Length(L2)/ mm
STA06L	Φ8	0.6	24	5
STA11L	Φ8	1.1	24	5
STA21L	Φ8	2.1	24	5

For Thin Ceramic Stone (Flat) TNE-1/JNE-1

Attach to SKB chuck

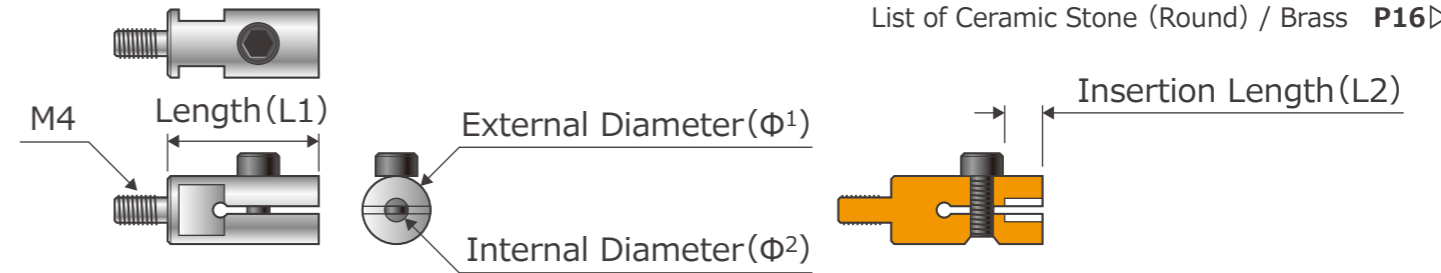
List of Ceramic Stone (Flat) Tip Sizes P15▷▷



Part No.	External Diameter/ mm	Width(W)/ mm	Length(L1)/ mm	Insertion Length(L2)/ mm
TNE-1	Φ5	1.1	14	5
JNE-1	Φ5	0.65	13	3.6

For Ceramic Stone (Round) / Wood Tips / Brass SNE 24/31/54

List of Ceramic Stone (Round) / Brass P16▷▷



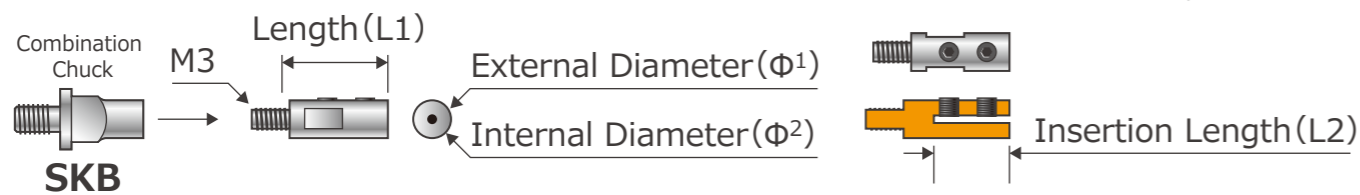
Part No.	External Diameter(Φ ¹)/ mm	Internal Diameter(Φ ²)/ mm	Length(L1)/ mm	Insertion Length(L2)/ mm
SNE24	Φ8	Φ2.4	20	5
SNE31	Φ8	Φ3.1	20	5
SNE54	Φ9	Φ5.4	20	5

※Wood chips are sold only in Japan.

For Small Diameter Ceramic Stone (Round) / Wood Tips PEN 15/20/25/30

Attach to SKB chuck

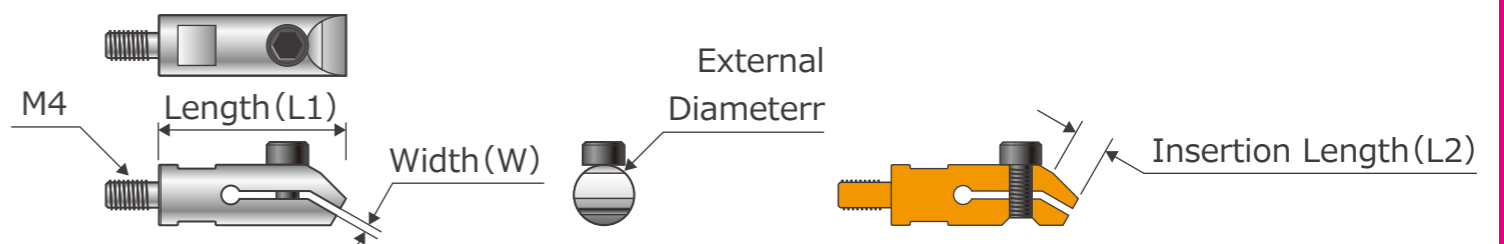
List of Ceramic Stone (Round) / Brass P16▷▷



Part No.	External Diameter(Φ ¹)/ mm	Internal Diameter(Φ ²)/ mm	Length(L1)/ mm	Insertion Length(L2)/ mm
PNE-15	5	1.6	13	10.5
PNE-20	5	2.1	13	10.5
PNE-25	5	2.4	13	10
PNE-30	5.5	3.1	13	11

※Wood chips are sold only in Japan.

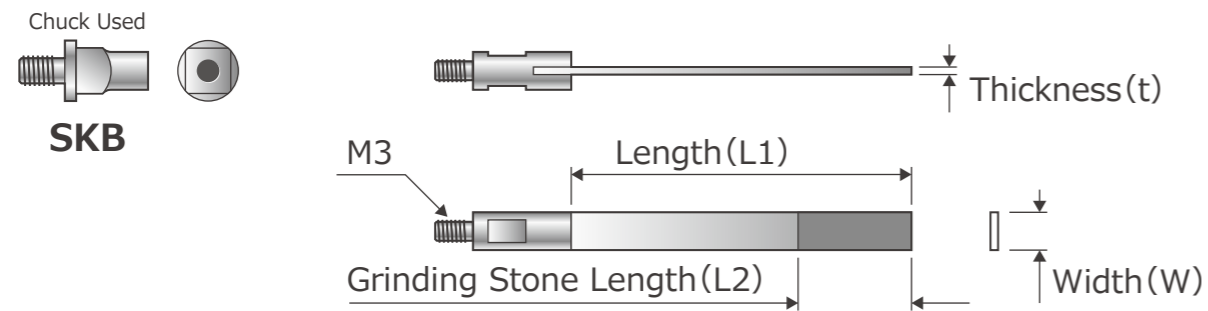
For Thin Ceramic Stone (Flat) 120° Chuck STC11L



Part No.	External Diameter/ mm	Width(W)/ mm	Length(L1)/ mm	Insertion Length(L2)/ mm
STC11L	Φ8	1.1	24.5	5

Metal Bond-Diamond Tips 【Flat】

New diamond abrasive grains come out as the tip surface becomes worn, which enables lapping under the same operating conditions for a longer period of time than the electroplated file.

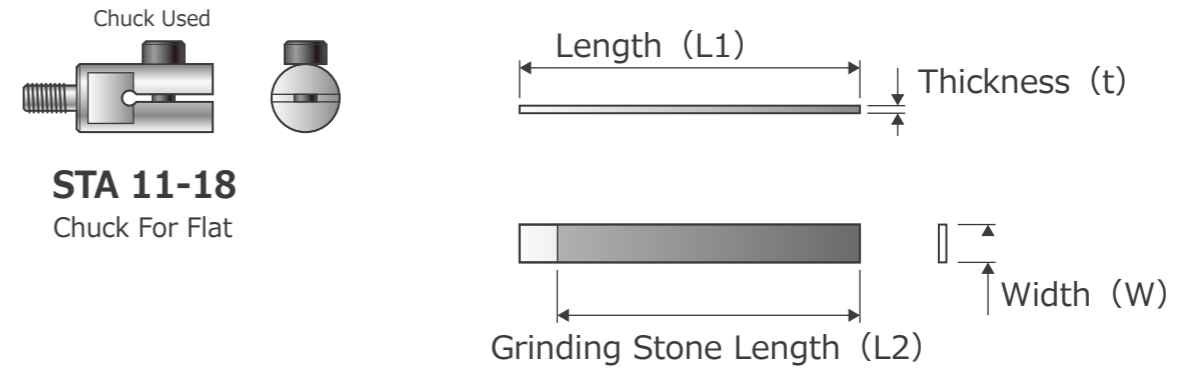


Part No.	Grit(#)	Length(L1)/mm	Grinding Stone Length(L2)/mm	Width(W)/mm	Thickness(t)/mm
SL 201	200	25	15	1	1.0
SL 401	400	25	15	1	1.0
SL 601	600	25	15	1	1.0
SL 202	200	25	15	2	1.0
SL 402	400	25	15	2	1.0
SL 602	600	25	15	2	1.0
SL 204S	200	25	15	4	0.5 / 0.7 / 0.85 / 1.0
SL 404S	400	25	15	4	0.5 / 0.7 / 0.85 / 1.0
SL 604S	600	25	15	4	0.5 / 0.7 / 0.85 / 1.0
SL 204M	200	35	20	4	0.5 / 0.7 / 0.85 / 1.0
SL 404M	400	35	20	4	0.5 / 0.7 / 0.85 / 1.0
SL 604M	600	35	20	4	0.5 / 0.7 / 0.85 / 1.0
SL 204L	200	45	25	4	0.5 / 0.7 / 0.85 / 1.0
SL 404L	400	45	25	4	0.5 / 0.7 / 0.85 / 1.0
SL 604L	600	45	25	4	0.5 / 0.7 / 0.85 / 1.0

Part No.	Grit(#)	Length(L1)/mm	Grinding Stone Length(L2)/mm	Width(W)/mm	Thickness(t)/mm
PS-402A	400	30	15	2	0.8
PS-602A	600	30	15	2	0.8
PS-403A	400	25	15	3	0.8
PS-603A	600	25	15	3	0.8
PS-803A	800	25	15	3	0.8

Electroplated Diamond Tips 【Flat】

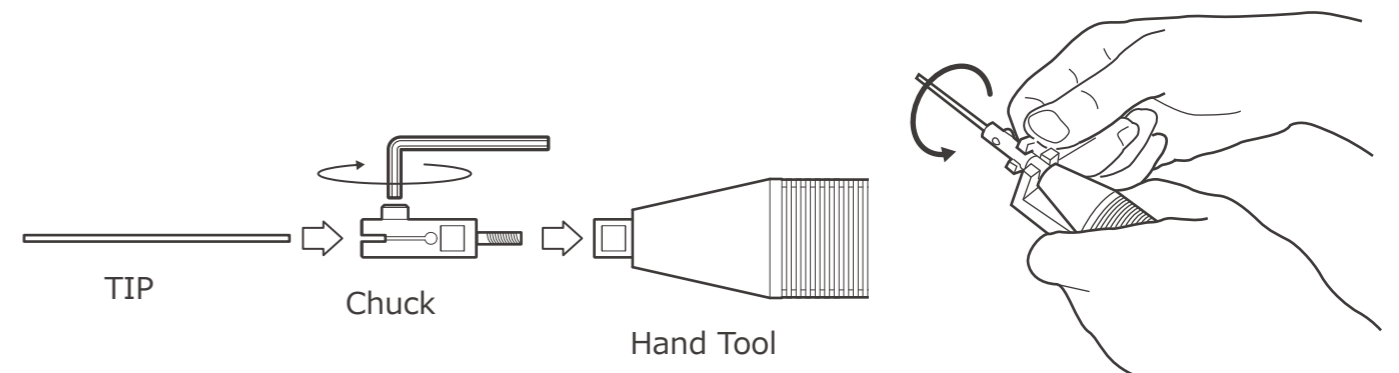
High-density diamond grinding stones are coated with the electroplating, which enables lapping with high cutting performance.



Part No.	Grit (#)	Length (L1) / mm	Grinding Stone Length (L2) / mm	Width (W) / mm	Thickness (t) / mm
SD 205-45	200	45	40	5	1.0

Mounting the tip

Attach the required tip to the tip of the hand tool. When attaching a tip, be sure to use the tip-fastening jig included with the product and securely fasten with the tip-fastening spanner.

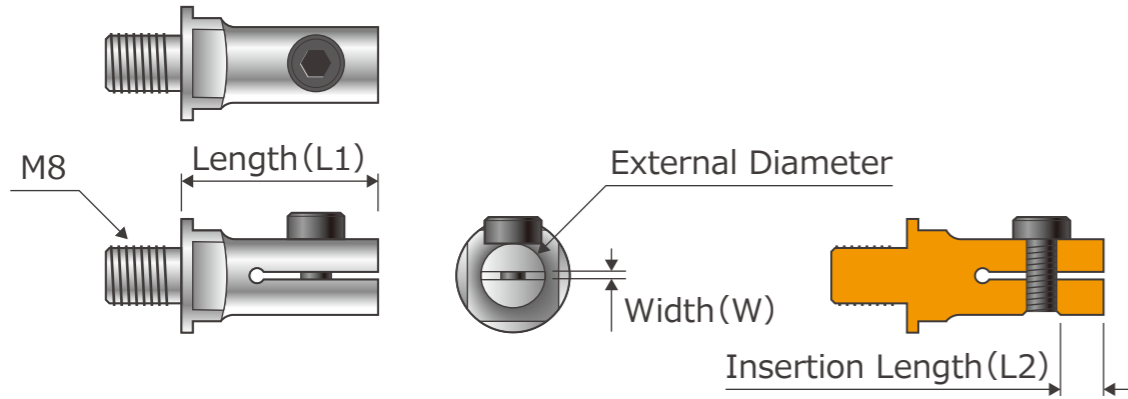


※ Depending on the type of tip in use, output power may not reach the set value. Please Adjust the intensity of supersonic vibrations by turning the output adjustment knob.

Chuck

For Ceramic Stone (Flat) GTA 10

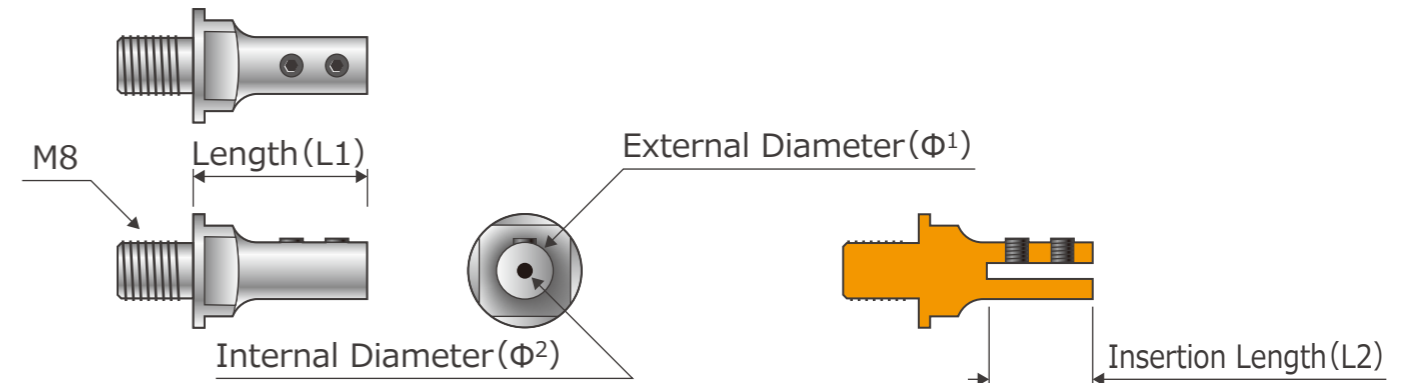
List of Ceramic Stone(Flat)Tip Sizes **P15**▷▷



Part No.	External Diameter/ mm	Width(W)/ mm	Length(L1)/ mm	Insertion Length(L2)/ mm
GTA10	Φ10	1.1	26	11

For Ceramic Stone (Round) / Wood Tips NE 21/24/31/41/54

List of Ceramic Stone(Round) **P16**▷▷

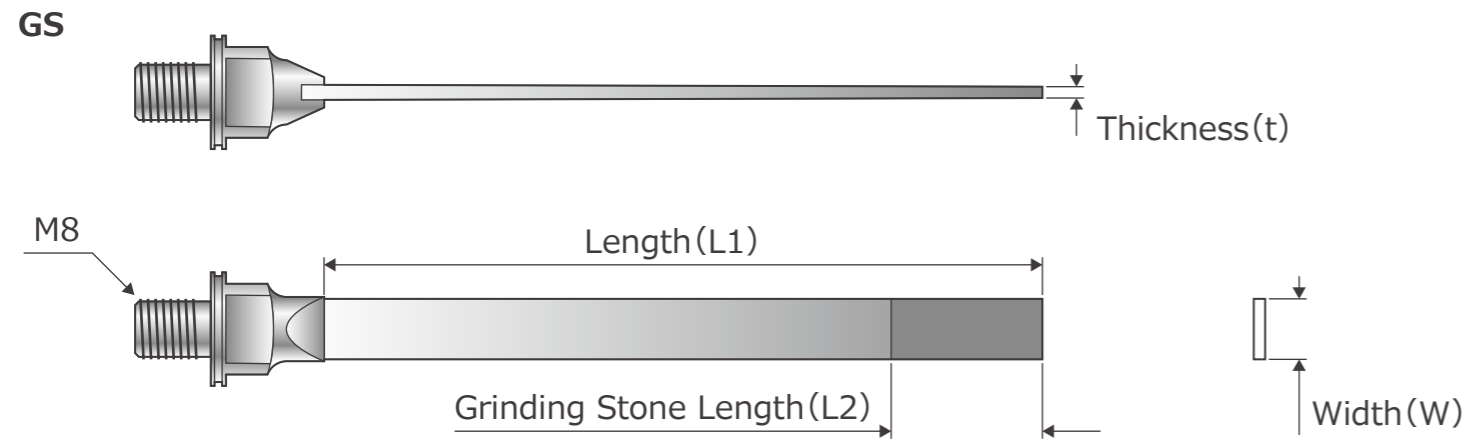


Part No.	External Diameter/ mm	Internal Diameter(Φ ²)/ mm	Length(L1)/ mm	Insertion Length(L2)/ mm
NE21	7.4	2.1	23	14
NE24	7.5	2.4	23	14
NE31	8	3.1	23	14
NE41	9	4.1	23	14
NE54	10.5	5.4	23	11

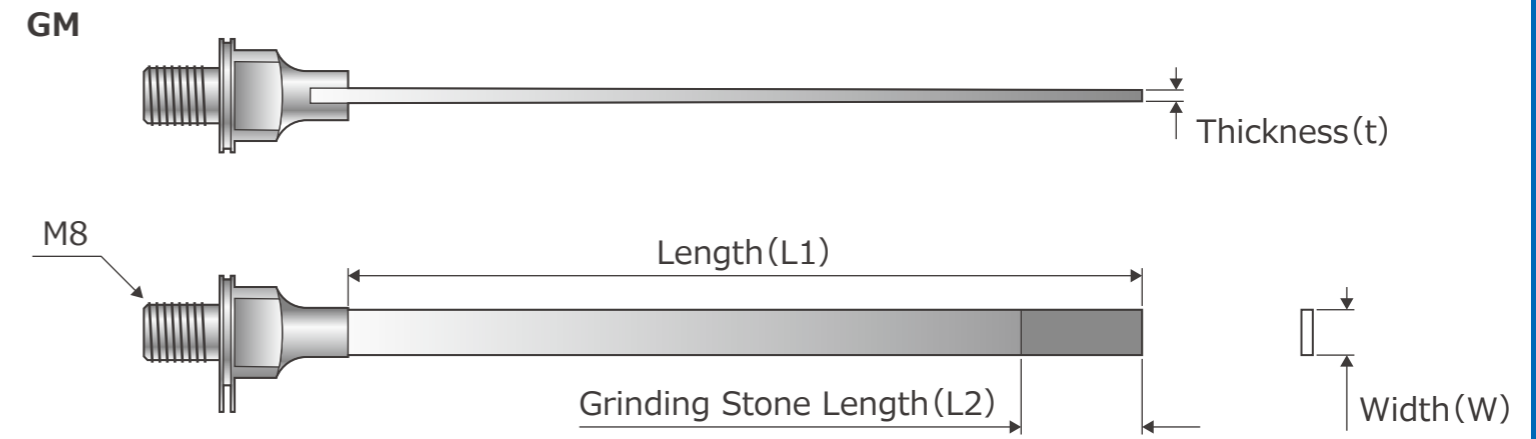
※Wood chips are sold only in Japan.

Metal Bond-Diamond Tips [Flat]

New diamond abrasive grains come out as the tip surface becomes worn, which enables lapping under the same operating conditions for a longer period of time than the electroplated file.



Part No.	Grit(#)	Length(L1)/ mm	Grinding Stone Length(L2)/ mm	Width(W)/ mm	Thickness(t)/ mm
GS 206	200	95	20	6	1.5
GS 406	400	95	20	6	1.5
GS 208	200	95	20	8	1.5
GS 408	400	95	20	8	1.5

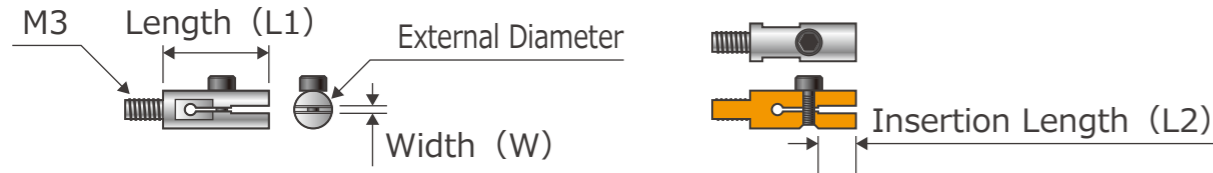


Part No.	Grit(#)	Length(L1)/ mm	Grinding Stone Length(L2)/ mm	Width(W)/ mm	Thickness(t)/ mm
GM 206	200	140	20	6	1.5
GM 406	400	140	20	6	1.5

Chuck

For Ceramic Stone (Flat) TNE-1

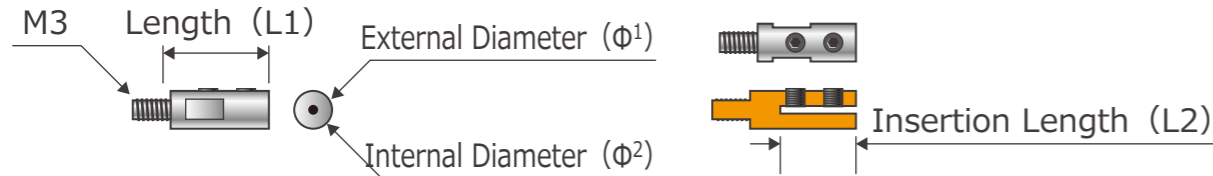
List of Ceramic Stone (Flat) Tip Sizes P15▷▷



Part No.	External Diameter / mm	Width (W) / mm	Length (L1) / mm	Insertion Length (L2) / mm
TNE-1	Φ5	1.1	14	5
JNE-1	Φ5	0.65	13	3.6

For Ceramic Stone (Round) / Wood Tips PEN 15/20/25/30

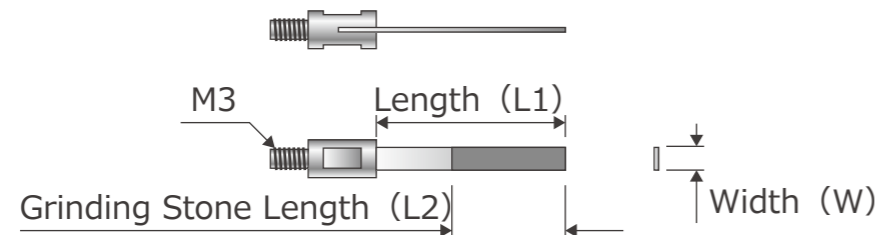
List of Ceramic Stone (Round) / Brass Tip Sizes P16▷▷



Part No.	External Diameter (Φ¹) / mm	Internal Diameter (Φ²) / mm	Length (L1) / mm	Insertion Length (L2) / mm
PNE-15	5	1.6	13	10.5
PNE-20	5	2.1	13	10.5
PNE-25	5	2.4	13	10
PNE-30	5.5	3.1	13	11

Metal Bond-Diamond Tips [Flat]

New diamond abrasive grains come out as the tip surface becomes worn, which enables lapping under the same operating conditions for a longer period of time than the electroplated file.

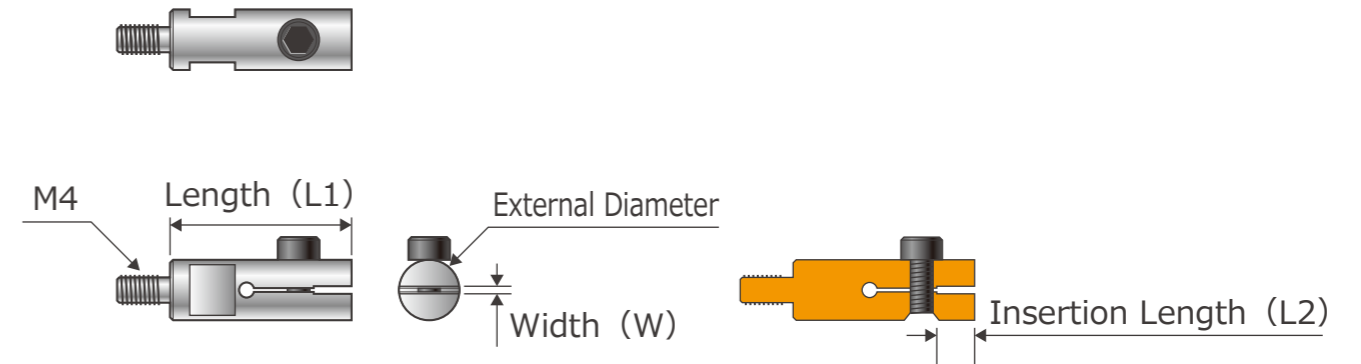


Part No.	Grit (#)	Length (L1) / mm	Grinding Stone Length (L2) / mm	Width (W) / mm	Thickness (t) / mm
PS-402A	400	30	15	2	0.8
PS-602A	600	30	15	2	0.8
PS-403A	400	25	15	3	0.8
PS-603A	600	25	15	3	0.8
PS-803A	800	25	15	3	0.8

Chuck

For Ceramic Stone (Flat) STA 11L

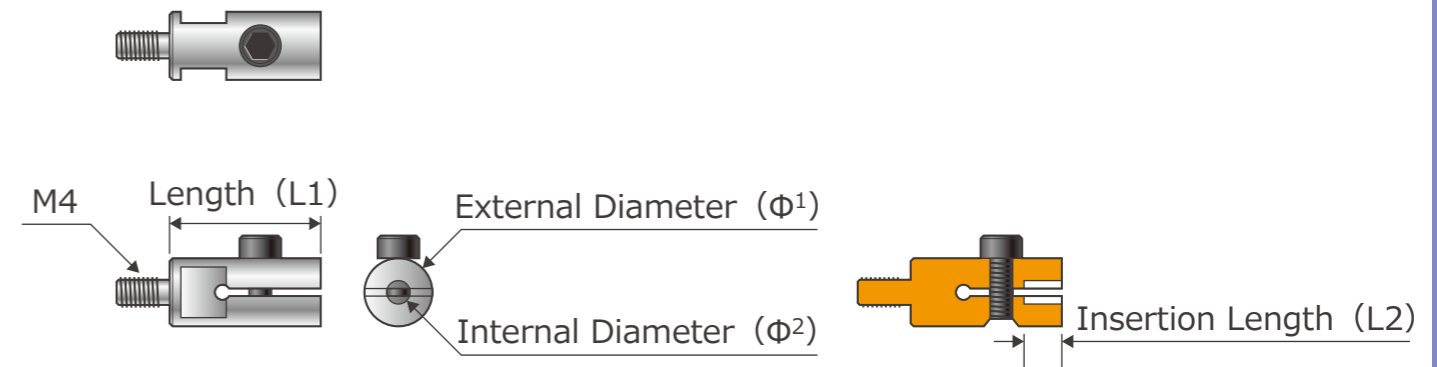
List of Ceramic Stone (Flat) Tip Sizes P15▷▷



Part No.	External Diameter / mm	Width (W) / mm	Length (L1) / mm	Insertion Length (L2) / mm
STA11L	Φ8	1.1	24	5

For Ceramic Stone (Round) / Wood Tips / Brass SNE 24/31/54

List of Ceramic Stone (Round) / Brass Tip Sizes P16▷▷

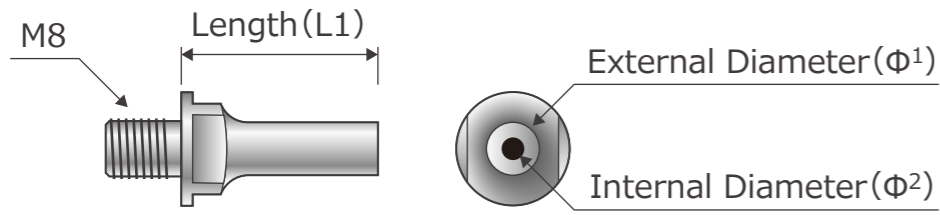


Part No.	External Diameter (Φ¹) / mm	Internal Diameter (Φ²) / mm	Length (L1) / mm	Insertion Length (L2) / mm
SNE24	Φ8	Φ2.4	20	5
SNE31	Φ8	Φ3.1	20	5

※Wood chips are sold only in Japan.

Chuck

For Metal Bond-Diamond Tips (Flat) KBL

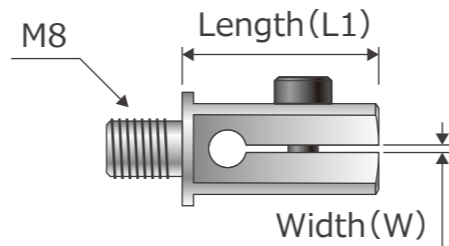


Part No.	External Diameter/mm	Width(W)/mm	Length(L1)/mm	Insertion Length(L2)/mm
KBL	Φ7	1.1	26	11

List of Ceramic Stone(Flat) Tip Sizes **P15**▷▷

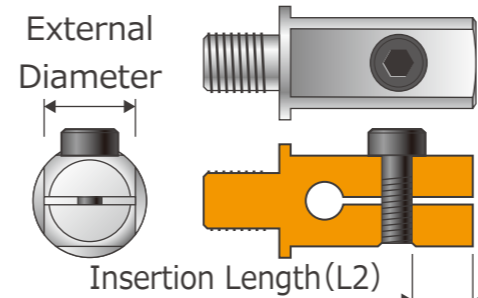
List of Wood Tips(Round)/Brass Tip Sizes **P16**▷▷

For Ceramic Stone (Flat)

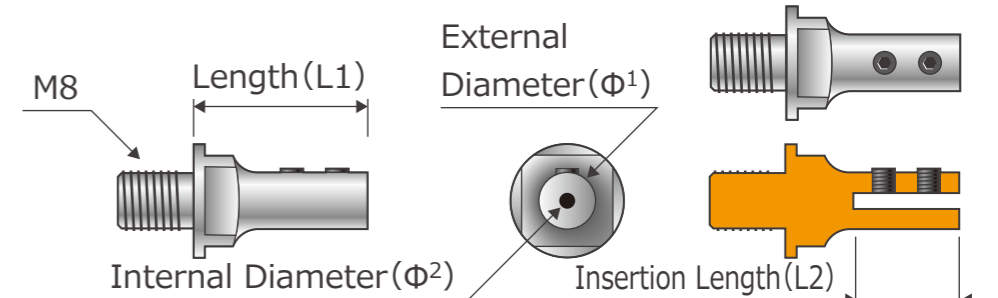


Part No.	External Diameter/mm	Width/mm	Length(L1)/mm	Insertion Length(L2)/mm
GTA11	12×12	1.1	26	8
GTA16	12×12	1.6	26	8
GTA21	12×12	2.1	26	8
GTA24	12×12	2.4	26	8
GTA33	12×12	3.3	26	8

GTA 11/16/21/24/33



For Ceramic Stone (Round) / Wood Tips NE 21/24/31/41/54

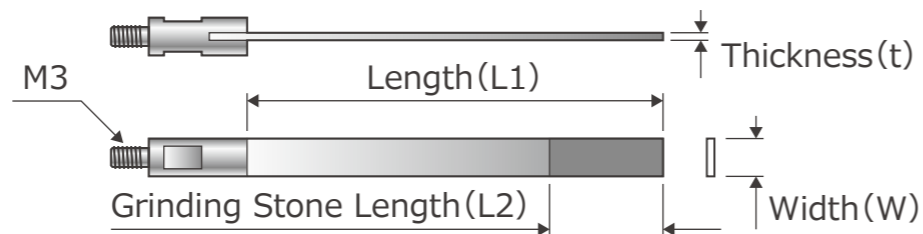
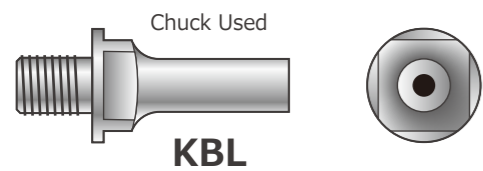


Part No.	External Diameter(Φ¹)/mm	Internal Diameter(Φ²)/mm	Length(L1)/mm	Insertion Length(L2)/mm
NE21	7.4	2.1	23	14
NE24	7.5	2.4	23	14
NE31	8	3.1	23	14
NE41	9	4.1	23	14
NE54	10.5	5.4	23	11

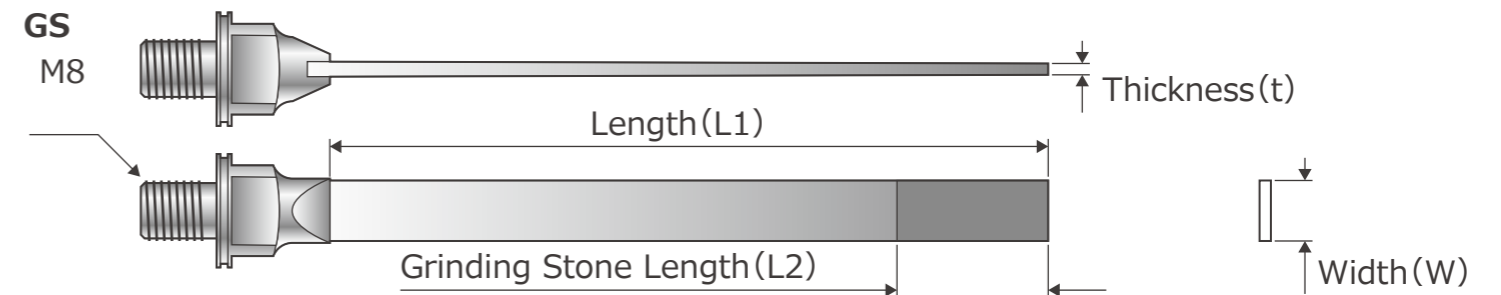
※Wood chips are sold only in Japan.

Metal Bond-Diamond Tips [Flat]

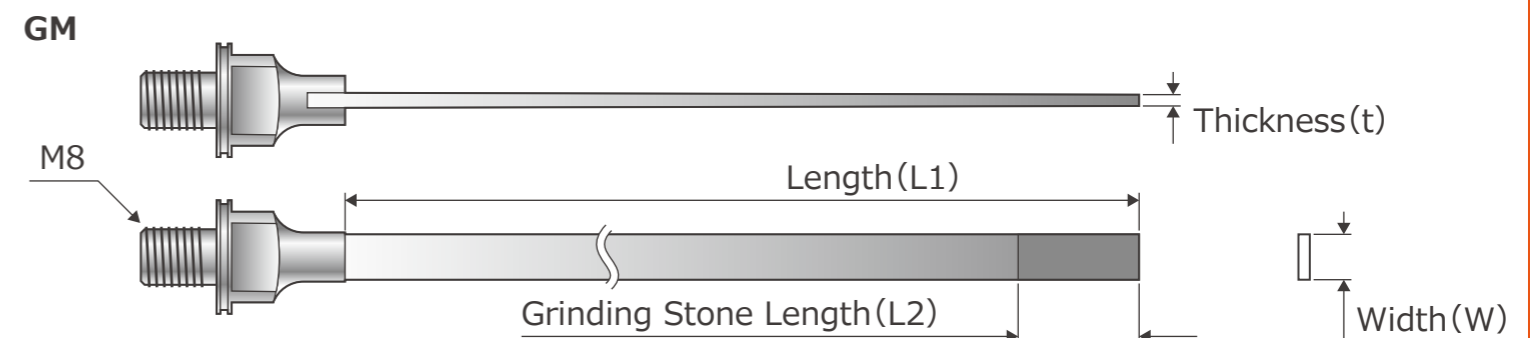
New diamond abrasive grains come out as the tip surface becomes worn, which enables lapping under the same operating conditions for a longer period of time than the electroplated file.



Part No.	Grit(#)	Length(L1)/mm	Grinding Stone Length(L2)/mm	Width(W)/mm	Thickness(t)/mm
SL 201	200	25	15	1	1.0
SL 401	400	25	15	1	1.0
SL 601	600	25	15	1	1.0
SL 202	200	25	15	2	1.0
SL 402	400	25	15	2	1.0
SL 602	600	25	15	2	1.0
SL 204S	200	25	15	4	0.5 / 0.7 / 0.85 / 1.0
SL 404S	400	25	15	4	0.5 / 0.7 / 0.85 / 1.0
SL 604S	600	25	15	4	0.5 / 0.7 / 0.85 / 1.0
SL 204M	200	35	20	4	0.5 / 0.7 / 0.85 / 1.0
SL 404M	400	35	20	4	0.5 / 0.7 / 0.85 / 1.0
SL 604M	600	35	20	4	0.5 / 0.7 / 0.85 / 1.0
SL 204L	200	45	25	4	0.5 / 0.7 / 0.85 / 1.0
SL 404L	400	45	25	4	0.5 / 0.7 / 0.85 / 1.0
SL 604L	600	45	25	4	0.5 / 0.7 / 0.85 / 1.0



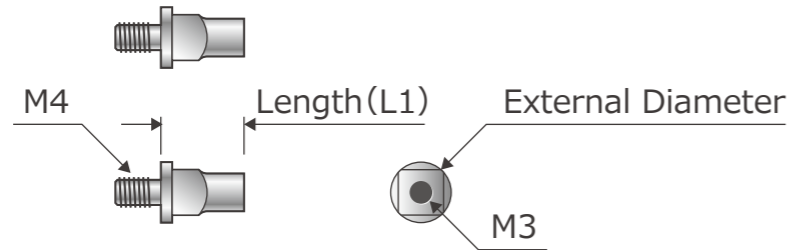
Part No.	Grit(#)	Length(L1)/mm	Grinding Stone Length(L2)/mm	Width(W)/mm	Thickness(t)/mm
GS 206	200	95	20	6	1.5
GS 406	400	95	20	6	1.5
GS 208	200	95	20	8	1.5
GS 408	400	95	20	8	1.5



Part No.	Grit(#)	Length(L1)/mm	Grinding Stone Length(L2)/mm	Width(W)/mm	Thickness(t)/mm
GM 206	200	140	20	6	1.5
GM 406	400	140	20	6	1.5

Chuck

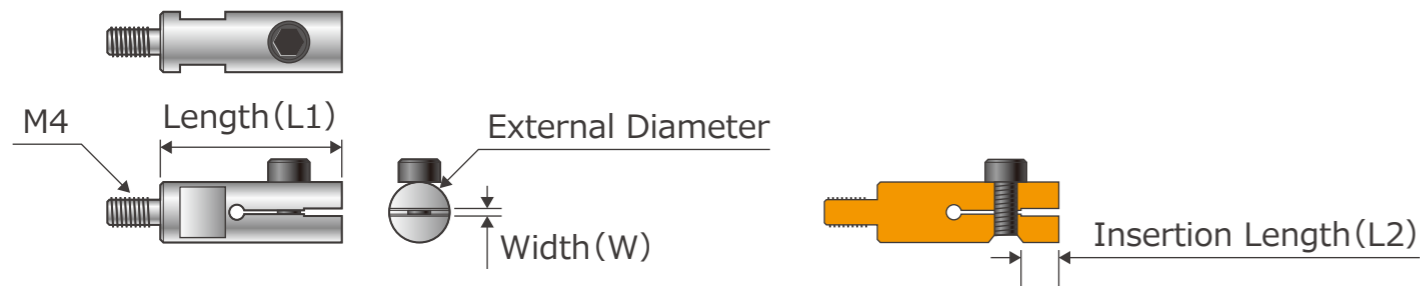
For Metal Bond-Diamond Tips SKB



Part No.	External Diameter/ mm	Screw Diameter/ mm	Length(L1)/ mm
SKB	Φ8	M3	11

For Ceramic Stone (Flat) STA 06L/11L/21L

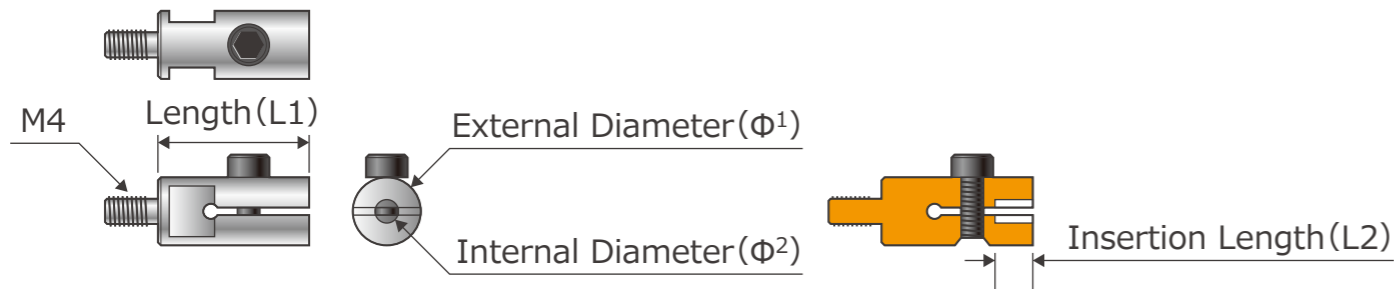
List of Ceramic Stone (Flat) Tip Sizes [P15](#)▷▷



Part No.	External Diameter/ mm	Width(W)/ mm	Length(L1)/ mm	Insertion Length(L2)/ mm
STA11L	Φ8	1.1	24	5

For Ceramic Stone (Round) / Wood Tips / Brass SNE 24/31/54

List of Ceramic Stone (Round) / Brass [P16](#)▷▷

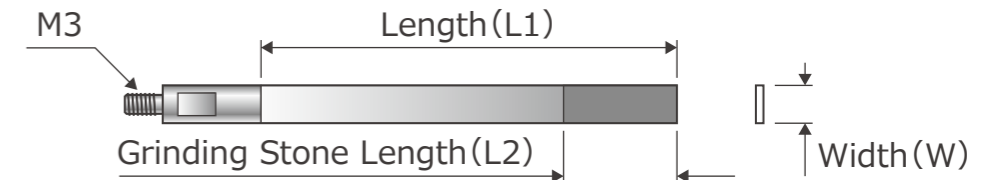
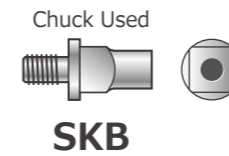


Part No.	External Diameter(Φ ¹)/ mm	Internal Diameter(Φ ²)/ mm	Length(L1)/ mm	Insertion Length(L2)/ mm
SNE24	Φ8	Φ2.4	20	5
SNE31	Φ8	Φ3.1	20	5
SNE54	Φ9	Φ5.4	20	5

※Wood chips are sold only in Japan.

Metal Bond-Diamond Tips 【Flat】

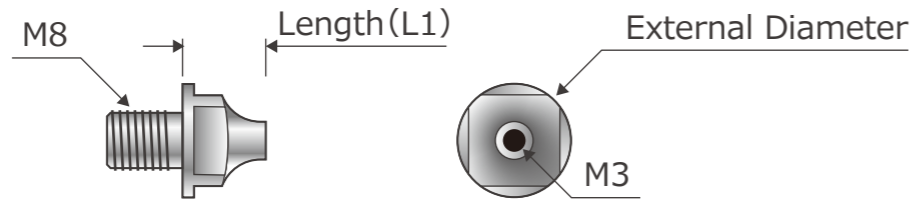
New diamond abrasive grains come out as the tip surface becomes worn, which enables lapping under the same operating conditions for a longer period of time than the electroplated file.



Part No.	Grit(#)	Length(L1)/ mm	Grinding Stone Length(L2)/ mm	Width(W)/ mm	Thickness(t)/ mm
SL 201	200	15	15	1	1.0
SL 401	400	15	15	1	1.0
SL 601	600	15	15	1	1.0
SL 202	200	15	15	2	1.0
SL 402	400	15	15	2	1.0
SL 602	600	15	15	2	1.0
SL 204S	200	15	15	4	0.5 / 0.7 / 0.85 / 1.0
SL 404S	400	15	15	4	0.5 / 0.7 / 0.85 / 1.0
SL 604S	600	15	15	4	0.5 / 0.7 / 0.85 / 1.0
SL 204M	200	20	20	4	0.5 / 0.7 / 0.85 / 1.0
SL 404M	400	20	20	4	0.5 / 0.7 / 0.85 / 1.0
SL 604M	600	20	20	4	0.5 / 0.7 / 0.85 / 1.0

Chuck

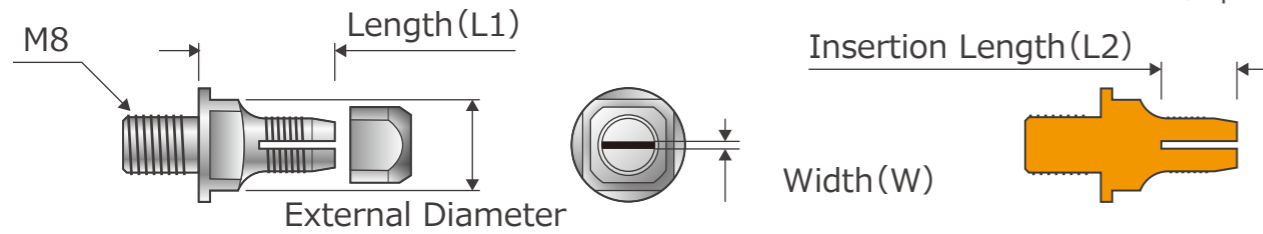
For Metal Bond-Diamond Tips KBS



Part No.	External Diameter/ mm	Screw Diameter/ mm	Length(L1)/ mm
KBS	Φ15	M3	11

For Ceramic Stone (Flat) CO 1

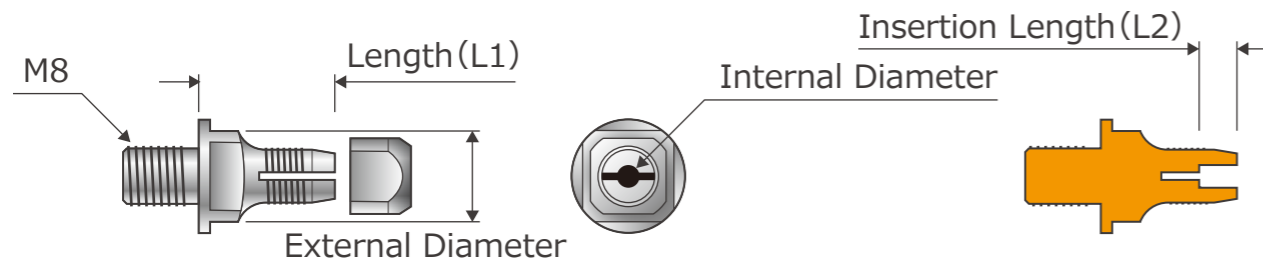
List of Ceramic Stone(Flat)Tip Sizes P15▷▷



Part No.	External Diameter/ mm	Width(W)/ mm	Length(L1)/ mm	Insertion Length(L2)/ mm
CO1	12	1.1	18	10

For Ceramic Stone (Round) CO 2/3

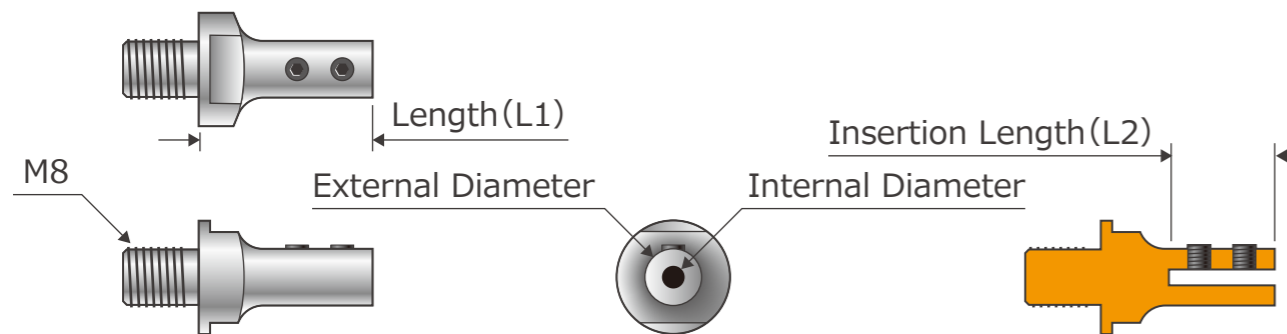
List of Ceramic Stone(Round)Tips Sizes P16▷▷



Part No.	External Diameter/ mm	Internal Diameter/ mm	Length(L1)/ mm	Insertion Length(L2)/ mm
CO 2	12	2 ※	18	6
CO 3	12	3	18	5

※ Ceramic Stone Φ 2.35 "can not be used for CO 2

For Wood Tips NE 30/50



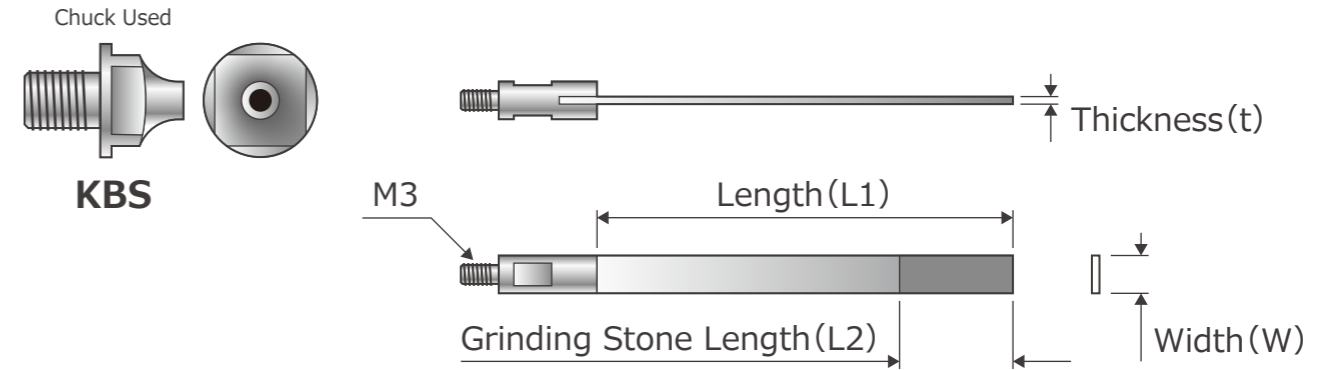
Part No.	External Diameter/ mm	Internal Diameter/ mm	Length(L1)/ mm	Insertion Length(L2)/ mm
NE30	7	3.1	23	14
NE50	9.5	5.4	20	14

※Wood chips are sold only in Japan.

Metal Bond-Diamond Tips 【Flat】

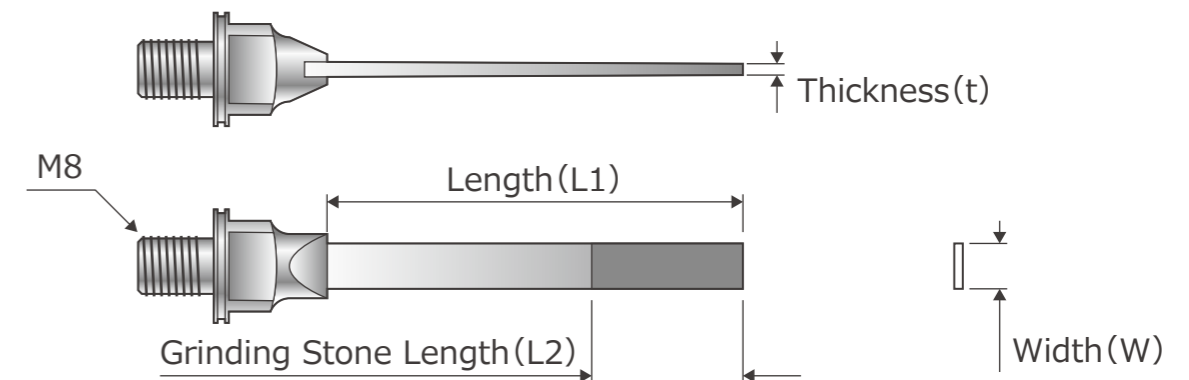
New diamond abrasive grains come out as the tip surface becomes worn, which enables lapping under the same operating conditions for a longer period of time than the electroplated file.

SL



Part No.	Grit(#)	Length(L1)/ mm	Grinding Stone Length(L2)/ mm	Width(W)/ mm	Thickness(t)/ mm
SL 202	200	25	15	2	1.0
SL 402	400	25	15	2	1.0
SL 602	600	25	15	2	1.0
SL 204S	200	25	15	4	0.5 /0.7 /0.85 /1.0
SL 404S	400	25	15	4	0.5 /0.7 /0.85 /1.0
SL 604S	600	25	15	4	0.5 /0.7 /0.85 /1.0
SL 204M	200	35	20	4	0.5 /0.7 /0.85 /1.0
SL 404M	400	35	20	4	0.5 /0.7 /0.85 /1.0
SL 604M	600	35	20	4	0.5 /0.7 /0.85 /1.0
SL 204L	200	45	25	4	1.0
SL 404L	400	45	25	4	1.0
SL 604L	600	45	25	4	1.0

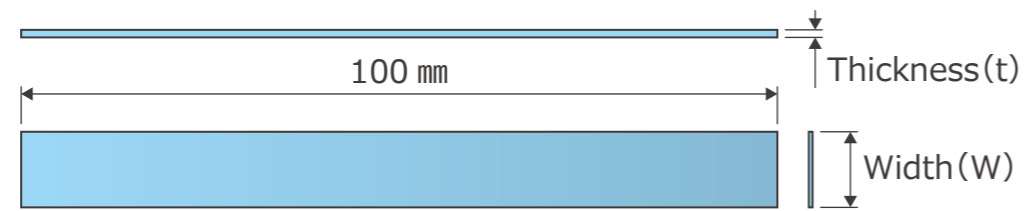
M/L



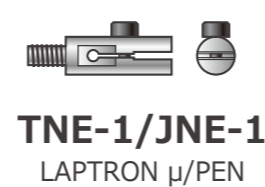
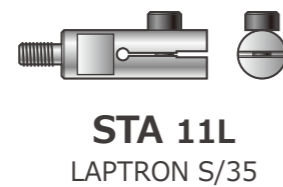
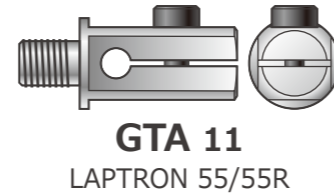
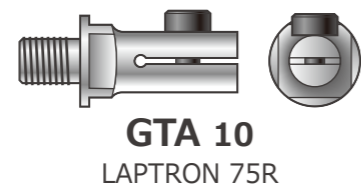
Part No.	Grit(#)	Length(L1)/ mm	Grinding Stone Length(L2)/ mm	Width(W)/ mm	Thickness(t)/ mm
M206	200	45	20	6	1.5
M406	400	45	20	6	1.5
L206	200	55	20	6	1.5
L406	400	55	20	6	1.5

Ceramic Stone [Flat]

Suitable for use with a wide area because the profile can be easily changed according to the area to be lapped.
(Copper materials having the hardness of HRC63 or below are recommended.)



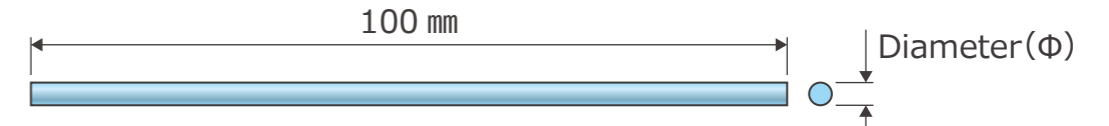
Usable Chucks



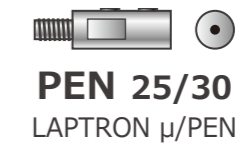
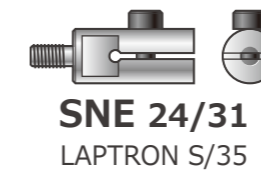
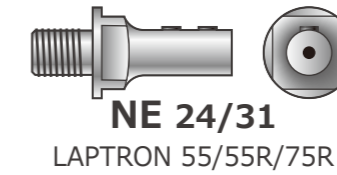
Part No.	Grit(#)	Color	Width(W)/mm	Thickness(t)/mm	Part No.	Grit(#)	Color	Width(W)/mm	Thickness(t)/mm
SE101	120	Green	1	1.0	SW101	1000	White	1	1.0
SE102	120	Green	2	1.0	SW102	1000	White	2	1.0
SE104	120	Green	4	1.0	SW104	1000	White	4	1.0
SE106	120	Green	6	1.0	SW106	1000	White	6	1.0
SE110	120	Green	10	1.0	SW110	1000	White	10	1.0
SE501	120	Green	1	0.5	SW501	1000	White	1	0.5
SE502	120	Green	2	0.5	SW502	1000	White	2	0.5
SE504	120	Green	4	0.5	SW504	1000	White	4	0.5
SE506	120	Green	6	0.5	SW506	1000	White	6	0.5
SE510	120	Green	10	0.5	SW510	1000	White	10	0.5
SB101	800	Blue	1	1.0	SR101	1200	Red	1	1.0
SB102	800	Blue	2	1.0	SR102	1200	Red	2	1.0
SB104	800	Blue	4	1.0	SR104	1200	Red	4	1.0
SB106	800	Blue	6	1.0	SR106	1200	Red	6	1.0
SB110	800	Blue	10	1.0	SR110	1200	Red	10	1.0
SB501	800	Blue	1	0.5	SR501	1200	Red	1	0.5
SB502	800	Blue	2	0.5	SR502	1200	Red	2	0.5
SB504	800	Blue	4	0.5	SR504	1200	Red	4	0.5
SB506	800	Blue	6	0.5	SR506	1200	Red	6	0.5
SB510	800	Blue	10	0.5	SR510	1200	Red	10	0.5

Ceramic Stone [Round]

Effective in lapping of curved surfaces, hole shapes, etc.
(Copper materials having the hardness of HRC63 or below are recommended.)



Usable Chucks



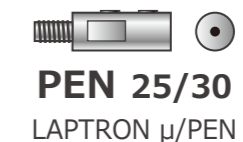
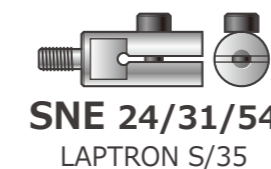
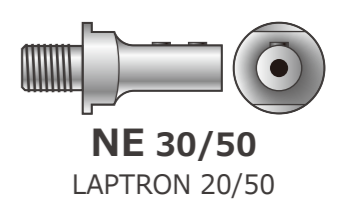
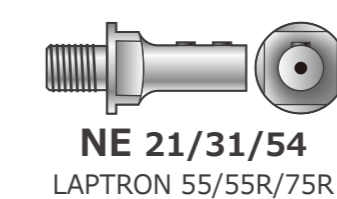
Part No.	Grit(#)	Color	Diameter(Φ)/mm
SED2	120	Green	2.35
SED3	120	Green	3
SBD2	800	Blue	Φ2.35
SBD3	800	Blue	Φ3.00
SWD2	1000	White	Φ2.35
SWD3	1000	White	Φ3.00
SRD2	1200	Red	Φ2.35
SRD3	1200	Red	Φ3.00

Brass

The brass tips are used for polishing without damaging the mold.



Usable Chucks

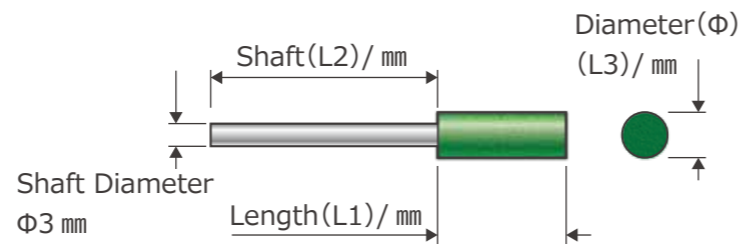


Part No.	Material	Length(L)/mm	Diameter(Φ)/mm	Order Quantity/stick	Usable Chucks
BRS 2	Brass	65	Φ2	10	SNE 24
BRS 3	Brass	50	Φ3	10	SNE 31

※Wood chips are sold only in Japan.

【Standard size】

Part No.	Grit (#)	Length (L1)/mm	Shaft (L2)/mm	Diameter (L3)/mm	Limit speed (r.p.m)
RCM06-043	60	13	30	4	30,000
RCM06-053	60	15	30	5	30,000
RCM06-063	60	17	30	6	30,000
RCM06-083	60	20	30	8	30,000
RCM06-103	60	20	30	10	30,000
RCM08-023	80	5	30	2	30,000
RCM08-033	80	8	30	3	30,000
RCM08-043	80	13	30	4	30,000
RCM08-053	80	15	30	5	30,000
RCM08-063	80	17	30	6	30,000
RCM08-083	80	20	30	8	30,000
RCM08-103	80	20	30	10	30,000
RCM12-023	120	5	30	2	30,000
RCM12-033	120	8	30	3	30,000
RCM12-043	120	13	30	4	30,000
RCM12-053	120	15	30	5	30,000
RCM12-063	120	17	30	6	30,000
RCM12-083	120	20	30	8	30,000
RCM12-103	120	20	30	10	30,000
RCM18-023	180	5	30	2	30,000
RCM18-033	180	8	30	3	30,000
RCM18-043	180	13	30	4	30,000
RCM18-053	180	15	30	5	30,000
RCM18-063	180	17	30	6	30,000
RCM18-083	180	20	30	8	30,000
RCM18-103	180	20	30	10	30,000
RCM22-023	220	5	30	2	30,000
RCM22-033	220	8	30	3	30,000
RCM22-043	220	13	30	4	30,000
RCM22-053	220	15	30	5	30,000
RCM22-063	220	17	30	6	30,000
RCM22-083	220	20	30	8	30,000
RCM22-103	220	20	30	10	30,000
RCM32-023	320	5	30	2	30,000
RCM32-033	320	8	30	3	30,000
RCM32-043	320	13	30	4	30,000
RCM32-053	320	15	30	5	30,000
RCM32-063	320	17	30	6	30,000
RCM32-083	320	20	30	8	30,000
RCM32-103	320	20	30	10	30,000



【Long shaft】

Part No.	Grit (#)	Length (L1)/mm	Shaft (L2)/mm	Diameter (L3)/mm	Limit speed (r.p.m)
RCM08-046	80	13	60	4	20,000
RCM08-048	80	13	80	4	15,000
RCM08-066	80	17	60	6	20,000
RCM08-068	80	17	80	6	15,000
RCM08-086	80	20	60	8	20,000
RCM08-088	80	20	80	8	15,000
RCM08-106	80	20	60	10	20,000
RCM08-108	80	20	80	10	15,000
RCM12-046	120	13	60	4	20,000
RCM12-048	120	13	80	4	15,000
RCM12-066	120	17	60	6	20,000
RCM12-068	120	17	80	6	15,000
RCM12-086	120	20	60	8	20,000
RCM12-088	120	20	80	8	15,000
RCM12-106	120	20	60	10	20,000
RCM12-108	120	20	80	10	15,000
RCM18-046	180	13	60	4	20,000
RCM18-048	180	13	80	4	15,000
RCM18-066	180	17	60	6	20,000
RCM18-068	180	17	80	6	15,000
RCM18-086	180	20	60	8	20,000
RCM18-088	180	20	80	8	15,000
RCM18-106	180	20	60	10	20,000
RCM18-108	180	20	80	10	15,000
RCM22-046	220	13	60	4	20,000
RCM22-048	220	13	80	4	15,000
RCM22-066	220	17	60	6	20,000
RCM22-068	220	17	80	6	15,000
RCM22-086	220	20	60	8	20,000
RCM22-088	220	20	80	8	15,000
RCM22-106	220	20	60	10	20,000
RCM22-108	220	20	80	10	15,000

【For polishing】

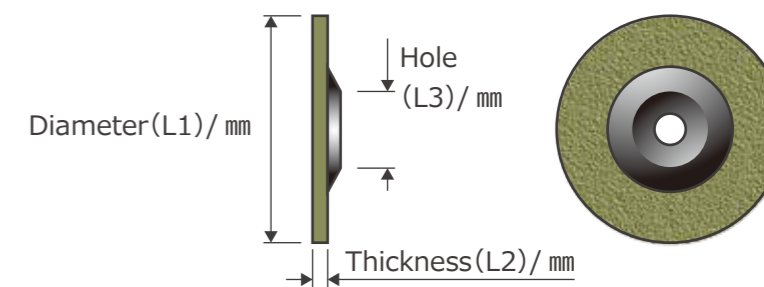
Part No.	Grit (#)	Length (L1)/mm	Shaft (L2)/mm	Diameter (L3)/mm	Limit speed (r.p.m)
ROX40-043	400	13	30	4	30,000
ROX40-053	400	15	30	5	30,000
ROX40-063	400	17	30	6	30,000
ROX40-083	400	20	30	8	30,000
ROX40-103	400	20	30	10	30,000
ROX60-043	600	13	30	4	30,000
ROX60-053	600	15	30	5	30,000
ROX60-063	600	17	30	6	30,000
ROX60-083	600	20	30	8	30,000
ROX60-103	600	20	30	10	30,000

【Diamond abrasive grains】

Part No.	Grit (#)	Length (L1)/mm	Shaft (L2)/mm	Diameter (L3)/mm	Limit speed (r.p.m)
RDR60-023	600	5	30	2	80,000
RDR60-043	600	13	30	4	30,000
RDR60-053	600	15	30	5	30,000
RDR1X-023	1000	5	30	2	80,000
RDR1X-043	1000	13	30	4	30,000
RDR1X-053	1000	15	30	5	30,000
RDR3X-023	3000	5	30	2	80,000
RDR3X-043	3000	13	30	4	30,000
RDR3X-053	3000	15	30	5	30,000

【For deburring】

Part No.	Grit (#)	Length (L1)/mm	Shaft (L2)/mm	Diameter (L3)/mm	Limit speed (r.p.m)
RUN12-043	120	13	30	4	30,000
RUN12-053	120	15	30	5	30,000
RUN12-063	120	17	30	6	30,000
RUN12-083	120	20	30	8	30,000
RUN12-103	120	20	30	10	30,000




【Disc / Offset】

Part No.	Grit (#)	Diameter (L1)/mm	Thickness (L2)/mm	Hole (L3)/mm	Limit speed (r.p.m)
RFD08-0310	80	30	2	10	13,000
RFD12-0310	120	30	2	10	13,000
ROD04-1016	46	100	6	16(15)	13,000
ROD06-1016	60	100	6	16(15)	13,000
ROD08-1016	80	100	6	16(15)	13,000
ROD12-1016	120	100	6	16(15)	13,000
ROD40-1016	400	100	6	16(15)	13,000
ROD1X-1016	1000	100	6	16(15)	13,000

(Inside parentheses: Hole diameter when mounting the bush)

Precautions for using rubber grinding stone

Use rubber grinding stone for Laptron All IIIR/75R properly after a safety check.

Warning  The stone will break if it is improperly used, which may cause a major accident, such as serious injury and death. Be sure to operate it below the operation limit speed (rpm).

- Make sure that there is no abnormality, such as distortions and spots, in the rubber grindstone and grindstone spindle. If uneven wear is observed on the stone or the spindle is distorted, runout becomes larger during operation.
- Be sure to observe the instruction manual for the machine and apply the correct method to mount a tip onto the rotary tool.
- Confirm that there is no abnormality by directing the rotary tool in a safe direction and rotating it at from low speed to high speed before operation.
- Wear safety gear, such as protective glasses, a safety cap, a mask, and gloves, during operation.
- The grindstone may be deformed or its strength may decrease because of an overload, heat generated by continuous use, and other factors. When the stone is heated, dissipate the heat.
- When storing the product, avoid direct sunlight, high humidity, submergence, and state of deformation and overload.