



KNURLING TOOLS & TOOL HOLDERS

*"To Analyse, Innovate and Provide
best solutions to customers by
adding value in engineering products"*



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RAPID KNURLING TOOL HOLDERS

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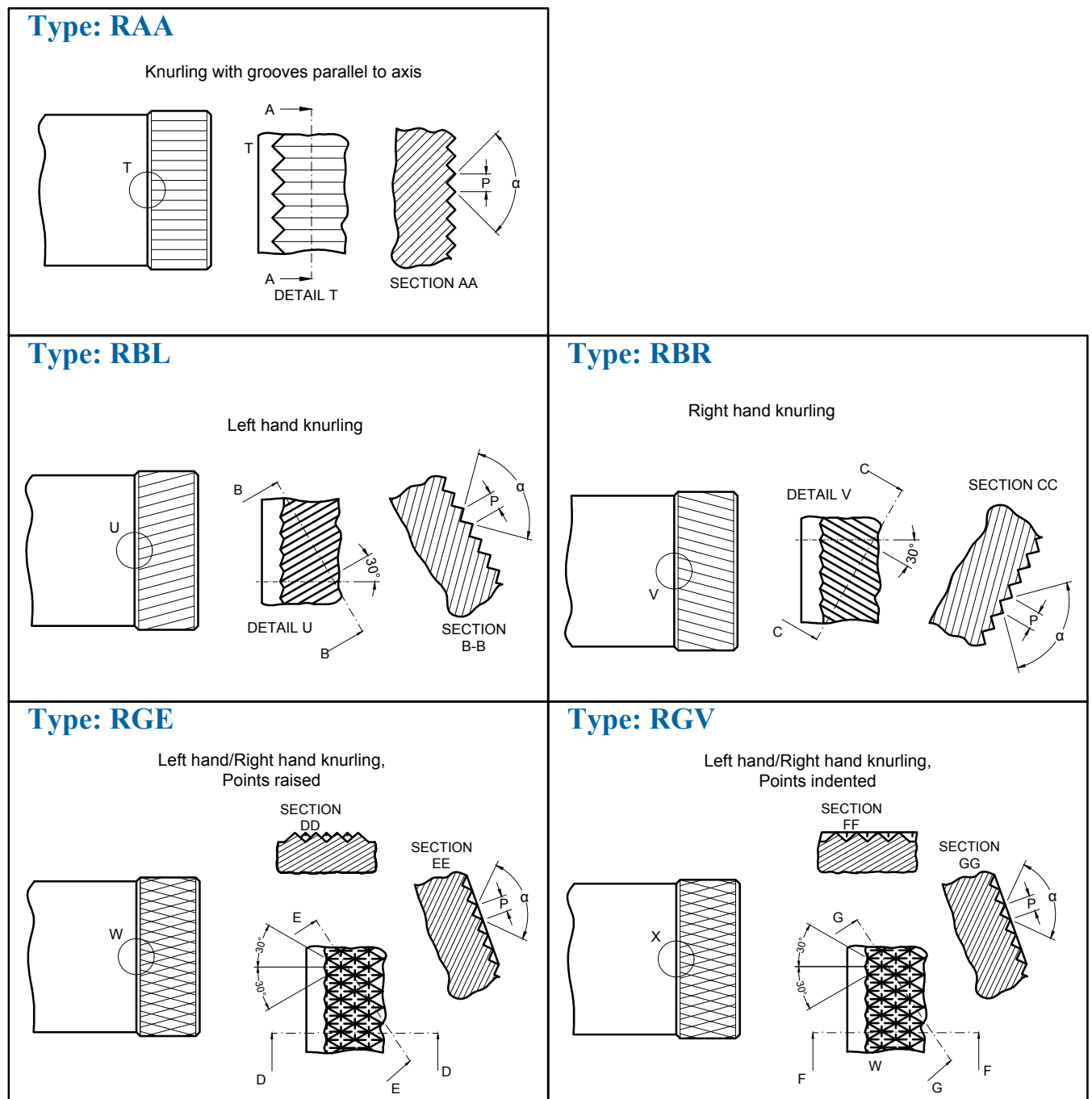
CUT KNURLING TOOL HOLDER D1-D3

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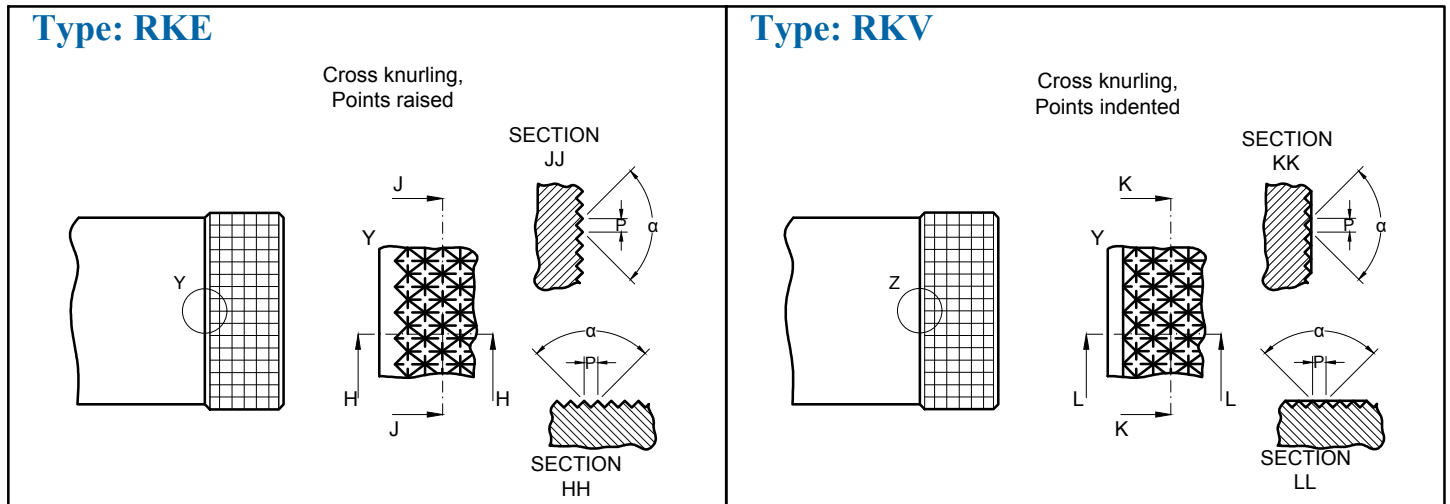
APPENDIX

KNURLING STANDARD AS PER IS: 3403-1981

1. **Scope :**
Specifies the types and dimensions for knurls.
 2. **Types :**
 Type RAA - Knurl with grooves parallel to axis.
 Type RBL - Left-hand knurl
 Type RBR - Right-hand knurl
 Type RGE - Left-hand/right-hand knurl, points raised
 Type RGV - Left-hand/right-hand knurl, points indented
 Type RKE - Cross-knurl, points raised
 Type RKV - Cross-knurl, points indented.
- 2.1. **Representation of types**



KNURLING STANDARD AS PER IS: 3403-1981



3. Dimensions

3.1 **Profile Angle** : Profile angle $\alpha = 90^\circ$

3.2 **Pitch** : P.

3.3 **Nominal Diameter d_1** :

The nominal diameter d_1 stated in the workshop drawing shall be the outside diameter of the finished knurl; this dimension is a function of the design.

3.4 **Initial Diameter d_2** :

The initial diameter d_2 of the work piece prior to knurling shall be smaller than the nominal diameter d_1 , because the initial diameter undergoes enlargement through displacement of the material during the knurling operation.

The initial diameter d_2 for knurls with profile angle $\alpha = 90^\circ$ can be calculated from the formulae in the following table, depending on the type of knurl and the size of pitch:

TYPE OF KNURL		INITIAL DIAMETER d_2
RAA	Knurl with grooves parallel to axis	$d_1 - 0.5P$
RBL	Left-hand knurl	
RBR	Right-hand knurl	
RGE	Left-hand/right-hand knurl, points raised	$d_1 - 0.67P$
RGV	Left-hand/right-hand knurl, points indented	$d_1 - 0.33P$
RKE	Cross-knurl, points raised	$d_1 - 0.67P$
RKV	Cross-knurl, points indented	$d_1 - 0.33P$

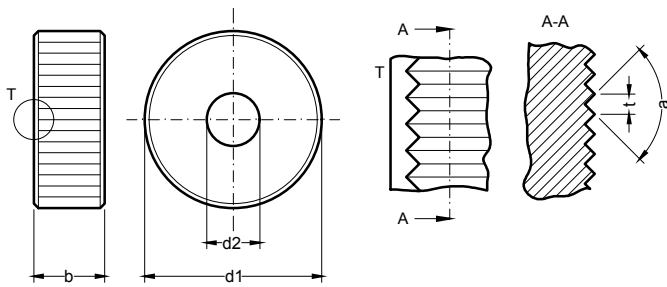
The factors in the formulae, however, do not take into account the rounding of the grooves resulting from the knurling operation or the specific properties of the materials to be knurled.

4. Designation :

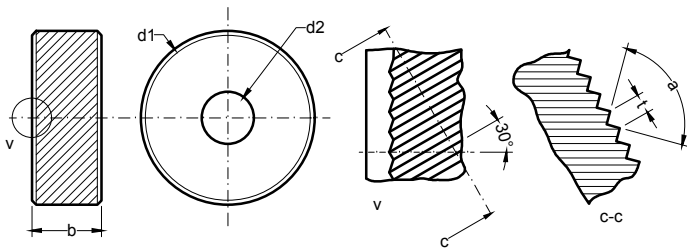
A cross-knurl, points indented (Type RKV) with pitch $P = 0.8$ mm and conforming to this standard shall be designated as: Knurl **RKV 08 IS : 3468**

KNURLING WHEELS AS PER DIN82

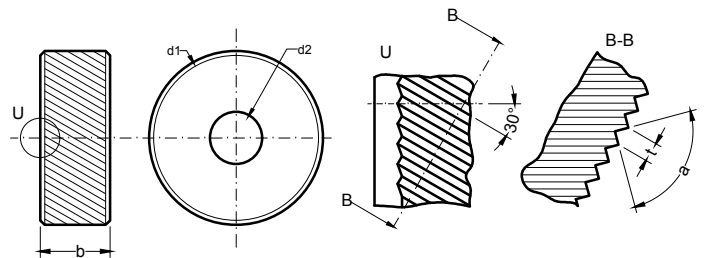
AA (STRAIGHT KNURLING WHEEL)



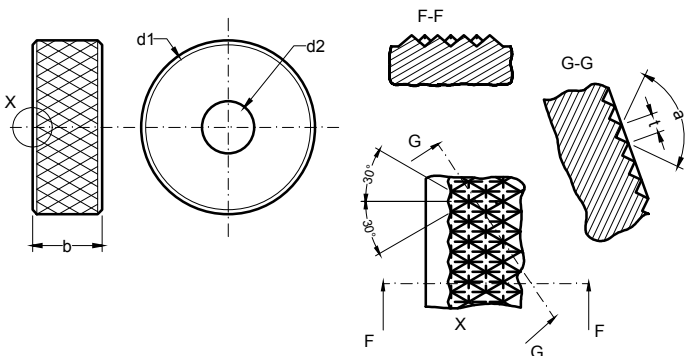
BL (LEFT HAND KNURLING WHEEL)



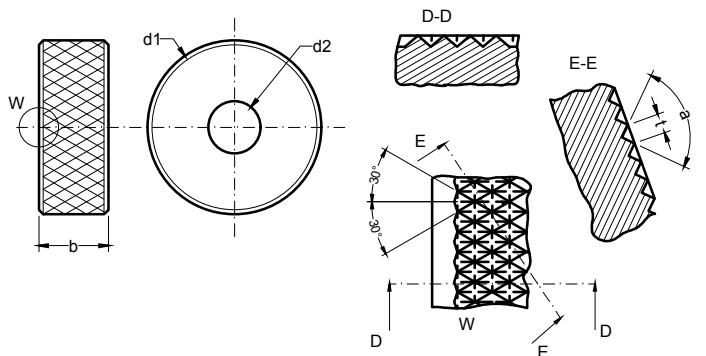
BR (RIGHT HAND KNURLING WHEEL)



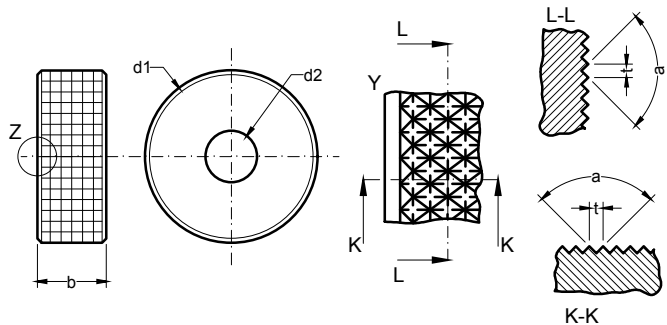
GE (MALE DIAMOND KNURLING WHEEL)



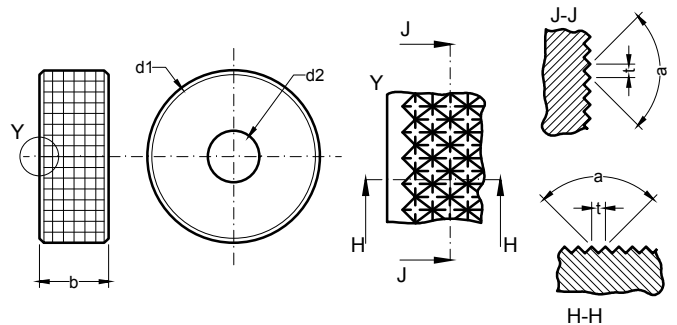
GV (FEMALE DIAMOND KNURLING WHEEL)



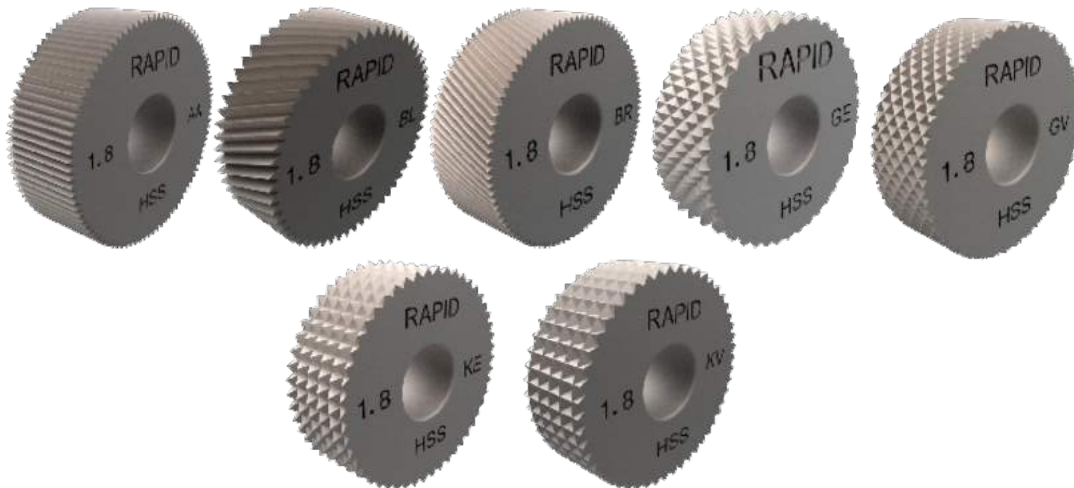
KE (MALE SQUARE KNURLING WHEEL)



KV (FEMALE SQUARE KNURLING WHEEL)



KNURL PROFILE :



KNURL SIZE :

10x04x04, 15x04x04, 20x08x06, 20x10x06

KNURL PITCH :

0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.2, 1.5, 1.6, 1.8, 2.0, 2.5
(0.1, 0.2, 0.3 Non-Standard size also available. Price on request)

RAPID KNURLS FEATURES:

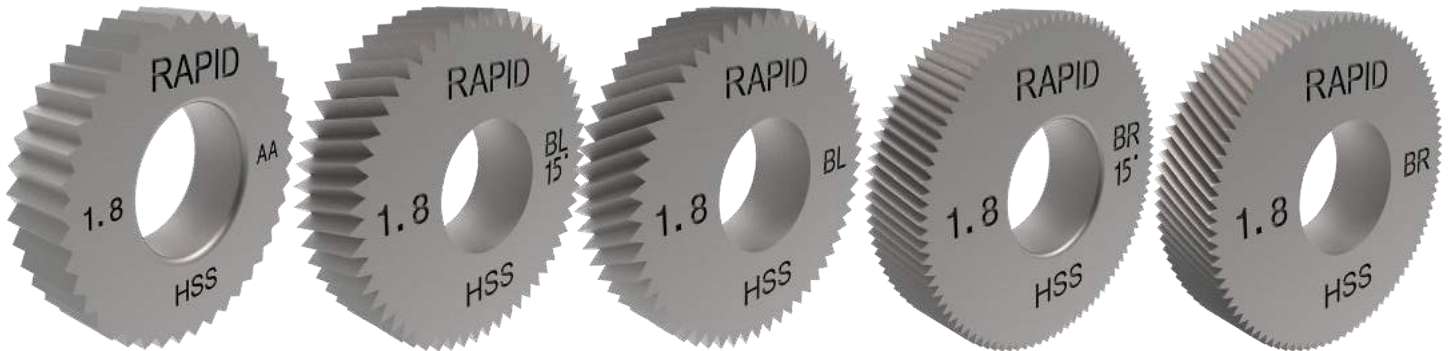
- HSS knurls with Bore and Face ground
- Milled sharp Edge Profile
- better Form Profile
- Highest Productivity on ferrous & non ferrous material
- long life of tool on job which offer cost per part is negligible

- * Further pitch sizes and customized knurling wheels available on demand
- * Standard knurls are without chamfers

RAPID KNURLING WHEELS

CUT KNURLS

KNURL PROFILE :



KNURL SIZE :

15x03x08, 21.5x5x10

KNURL PITCH :

0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.2, 1.5, 1.6, 1.8, 2.0, 2.5

RAPID CUT KNURLS FEATURES:

- HSS knurls with Bore and Face ground
- Milled sharp Edge Profile For better cutting operations
- Reduced tool setup time
- Highest Productivity on ferrous & non ferrous material

SPECIAL KNURLS

Individual customer requirements call for expertise and flexibility. For this reason, special pitches and dimensions are available to our customers on request and in consultation with our Technical team.

FORM KNURLING TOOL HOLDER

TOOL SERIES **F101**



MACHINE TYPE:

Troub, Sliding Head, Lathe, Autolathe

SUITABLE METHOD:

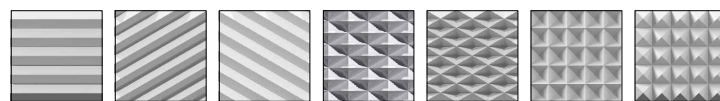
Plunge knurling, Feed knurling

FEATURES:

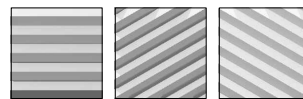
- Suitable for form knurling without swarf removal
- All knurling patterns can be formed
- Precise Carbide pin with ease of changing
- accommodate **RAPID™** knurls for better accuracy

POSSIBLE KNURLING PROFILE:

PLUNGE KNURLING-



FEED KNURLING-



TOOL CODING SYSTEM:

F101-20M200806

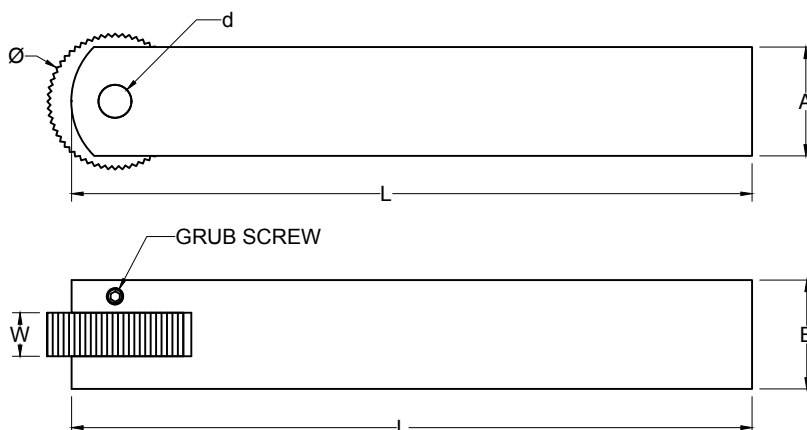
PRODUCT
SERIES

SHANK HEIGHT

KNURL POSITION

KNURL SIZE

TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd
F101-10M100404	10	10	100	10x04x04
F101-10M150404	10	10	100	15x04x04
F101-16M200806	16	16	140	20x08x06
F101-20M200806	20	20	125	20x08x06
F101-20M201006	20	20	125	20x10x06



FORM KNURLING TOOL HOLDER

TOOL SERIES F102



MACHINE TYPE:

Conventional And CNC Lathe, Automatic Short Turning Lathe, Turning/Milling Center

SUITABLE METHOD:

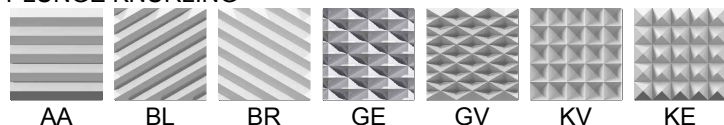
Plunge Knurling, Feed Knurling

FEATURES:

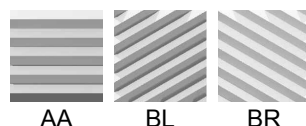
- Integrated center height.
- All knurling patterns can be formed
- Precise carbide pin for ease of changing knurls.
- Set Screws in Shank for correction of clearance angle

POSSIBLE KNURLING PROFILE:

PLUNGE KNURLING-



FEED KNURLING-



TOOL CODING SYSTEM:

F102-20M200806

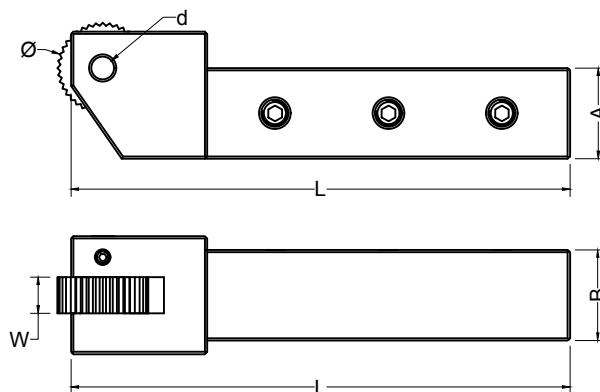
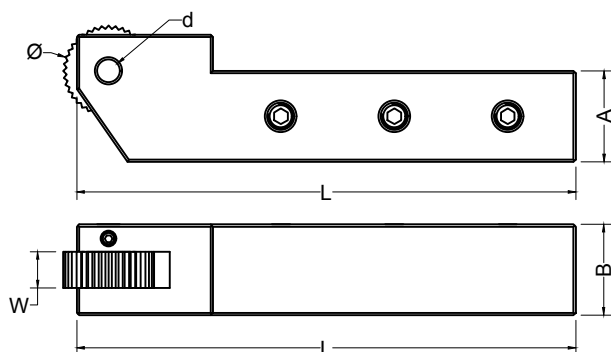
PRODUCT SERIES

SHANK HEIGHT

KNURL POSITION

KNURL SIZE

TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd
F102-16M200806	16	16	110	20x08x06
F102-20M200606	20	20	110	20x06x06
F102-20M200806	20	20	110	20x08x06
F102-20M201006	20	20	110	20x10x06
F102-20M201206	20	20	110	20x12x06
F102-25M200806	25	25	110	20x08x06
F102-25M201006	25	25	110	20x10x06
F102-25M201206	25	25	110	20x12x06
F102-25M201506	25	25	110	20x15x06



FORM KNURLING TOOL HOLDER

TOOL SERIES **F103**



MACHINE TYPE:

Conventional And CNC Lathe, Automatic Short Turning Lathe

SUITABLE METHOD:

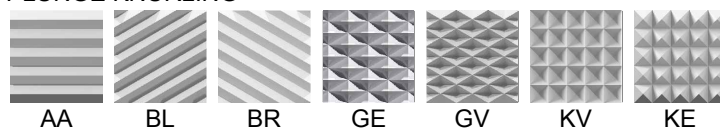
Plunge Knurling, Feed Knurling

FEATURES:

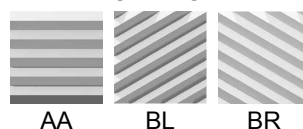
- Form knurling without swarf removal
- Integrated center height.
- All knurling patterns can be formed
- Suitable for knurling upto Shoulder
- Accomodate knurl from Either Left or Right Directions.
- Set Screws in Shank for correction of clearance angle

POSSIBLE KNURLING PROFILE:

PLUNGE KNURLING-



FEED KNURLING-

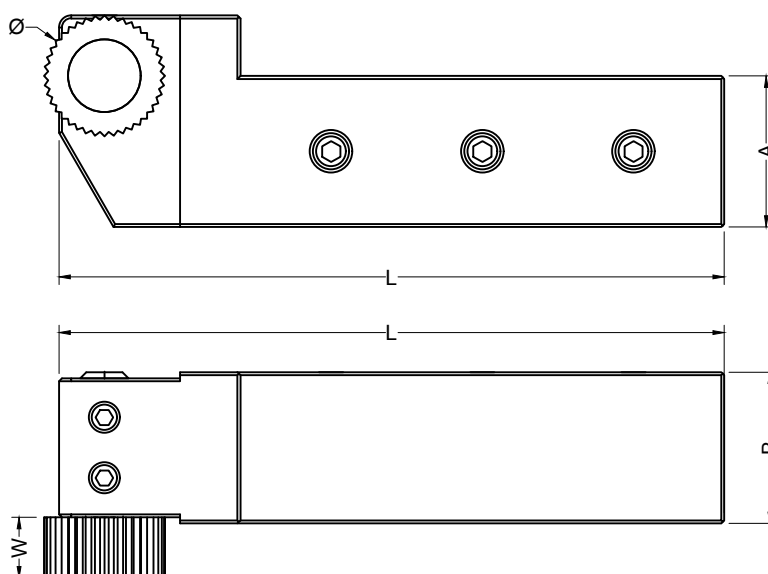


TOOL CODING SYSTEM:

F103-20LR201008C12



TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd
F103-20LR201008C12	20	20	110	20x10x08C12
F103-25LR201008C12	25	25	110	20x10x08C12



FORM KNURLING TOOL HOLDER

TOOL SERIES **F104**



MACHINE TYPE:

Troub, Sliding Head, Lathe, Autolathe

SUITABLE METHOD:

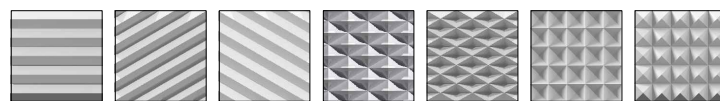
Plunge knurling, Feed knurling

FEATURES:

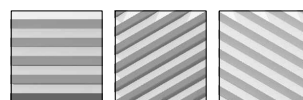
- Form knurling without swarf removal
- Suitable for small and delicate Parts
- All knurling patterns can be formed
- Precise Carbide pin with ease of changing
- accomodate **RAPID™** knurls for better accuracy

POSSIBLE KNURLING PROFILE:

PLUNGE KNURLING-



FEED KNURLING-



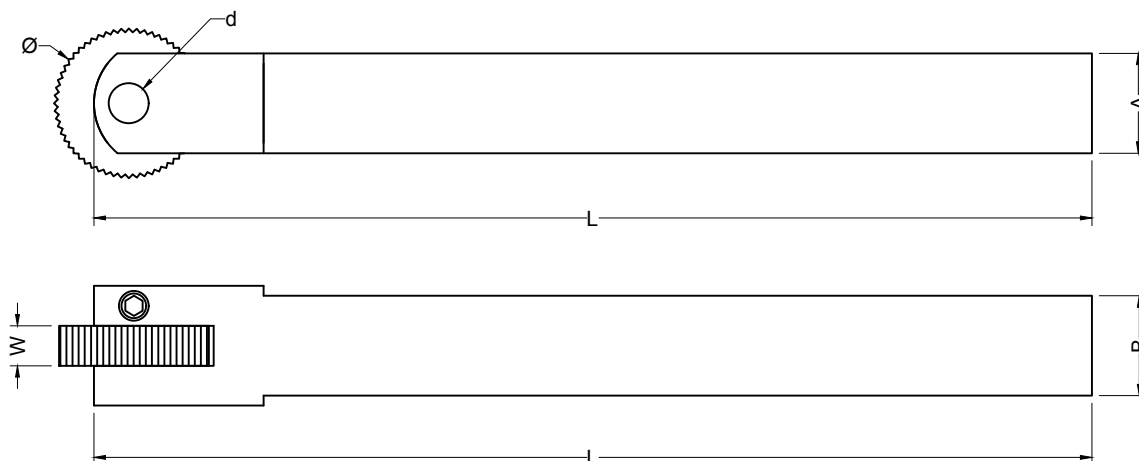
TOOL CODING SYSTEM:

F104-10M150604

PRODUCT
SERIES

KNURL POSITION
SHANK HEIGHT
KNURL SIZE

TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd
F104-10M100404	10	10	100	10x04x04
F104-10M150604	10	10	100	15x06x04
F104-12.7M100404	12.7	12.7	100	10x04x04
F104-12.7M150604	12.7	12.7	100	15x06x04
F104-20M201206	20	20	125	20x12x06
F104-20M201506	20	20	125	20x15x06



FORM KNURLING TOOL HOLDER

TOOL SERIES **F202**



MACHINE TYPE:

Troub, Sliding head, Lathe, Autolathe

SUITABLE METHOD:

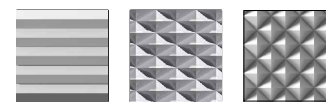
Plunge knurling, Feed knurling

FEATURES:

- Form knurling without swarf removal
- Heavyduty holder for maximum life
- Reducing time for repositioning of knurling head
- incorporated carbide pin with ease of changing
- Adjustable rubber padding for self centering
- Perfect for Feed Knurling

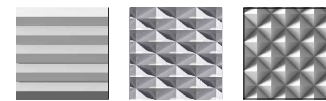
POSSIBLE KNURLING PROFILE:

PLUNGE KNURLING-



AA GE 30° GE 45°

FEED KNURLING-



AA GE 30° GE 45°

TOOL CODING SYSTEM:

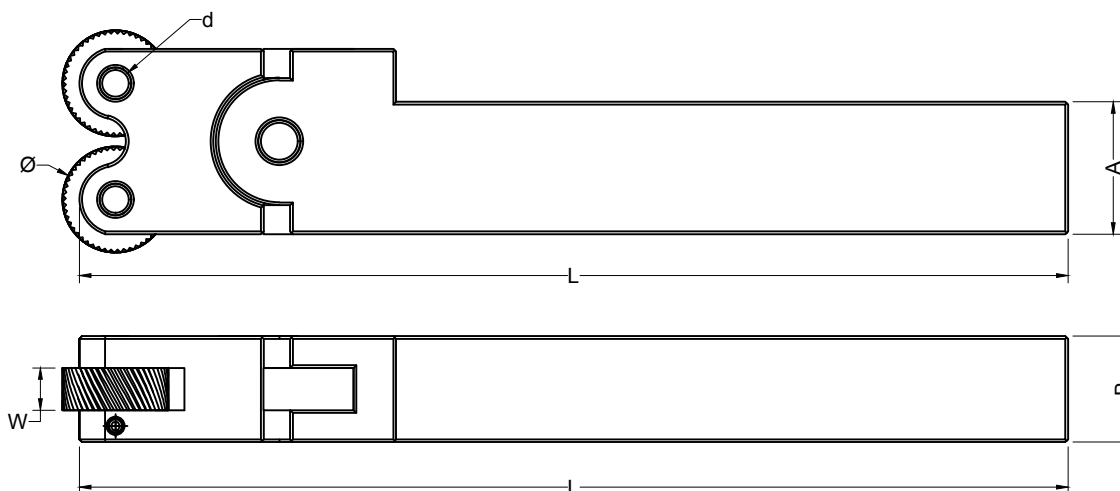
F202-25M200806

PRODUCT SERIES

SHANK HEIGHT

KNURL POSITION
KNURL SIZE

TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL Ø x W x d
F202-25M200806	25	20	185	20x08x06
F202-25M201006	25	20	185	20x10x06
F202-25M201206	25	20	185	20x12x06



FORM KNURLING TOOL HOLDER

TOOL SERIES F204



MACHINE TYPE:

CNC machine, Troub, Sliding head, Lathe, Autolathe, Turning/Milling Center

SUITABLE METHOD:

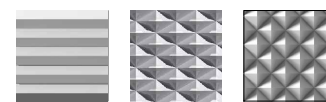
Plunge knurling, Feed knurling

FEATURES:

- Form knurling without swarf removal
- Integrated Center height
- Integrated carbide pin with ease of changing
- Adjustable rubber padding for self centering
- Set Screws for correction of clearance angle

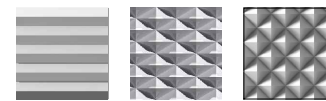
POSSIBLE KNURLING PROFILE:

PLUNGE KNURLING-



AA GE 30° GE 45°

FEED KNURLING-



AA GE 30° GE 45°

TOOL CODING SYSTEM:

F204-20M200806

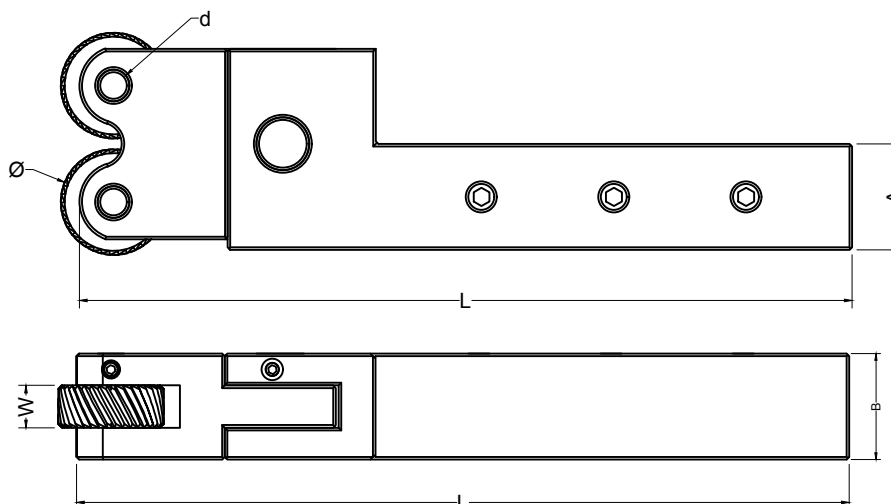
PRODUCT SERIES

SHANK HEIGHT

KNURL POSITION

KNURL SIZE

TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL Ø x W x d
F204-20M200806	20	20	146	20x08x06
F204-20M201006	20	20	146	20x10x06
F204-20M201206	20	20	146	20x12x06
F204-25M200806	25	25	146	20x08x06
F204-25M201006	25	25	146	20x10x06
F204-25M201206	25	25	146	20x12x06



FORM KNURLING TOOL HOLDER

TOOL SERIES F205



MACHINE TYPE:

CNC machine, Troub, Sliding head, Lathe, Autolathe, Turning/Milling Center

SUITABLE METHOD:

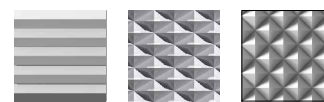
Plunge knurling, Feed knurling

FEATURES:

- Form knurling without swarf removal
- Integrated center height.
- All knurling patterns can be formed
- Suitable for knurling upto Shoulder
- Accomodate knurl from Either Left or Right Directions.
- Set Screws in Shank for correction of clearance angle

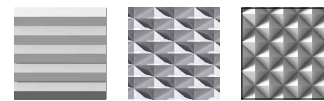
POSSIBLE KNURLING PROFILE:

PLUNGE KNURLING-



AA GE 30° GE 45°

FEED KNURLING-



AA GE 30° GE 45°

TOOL CODING SYSTEM:

F205-20LR201008C12

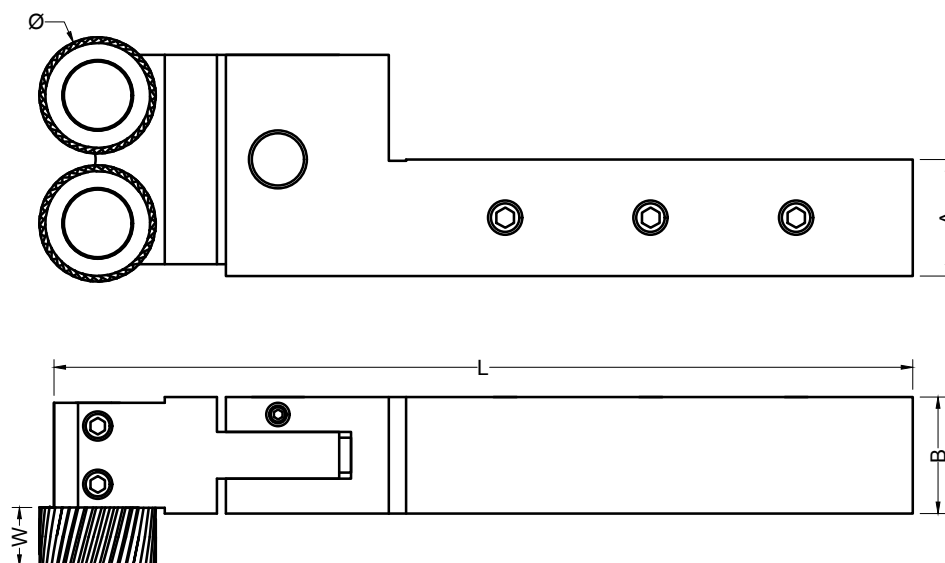
PRODUCT SERIES

SHANK HEIGHT

KNURL POSITION

KNURL SIZE

TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd
F205-20LR201008C12	20	20	148	20x10x08C12
F205-25LR201008C12	25	25	148	20x10x08C12



CUT KNURLING TOOL HOLDER

TOOL SERIES C101



MACHINE TYPE:

CNC machine, Trough, Sliding head, Lathe, Autolathe

FEATURES:

- Cut knurling with material removal
- Integrated Center height
- Built-in lock position of 30° for better accuracy
- Minimal vibration, high quality visual profiles, close tolerances
- Reduction in Forces on Machine bearings
- Reproducible Processes due to fixed Head

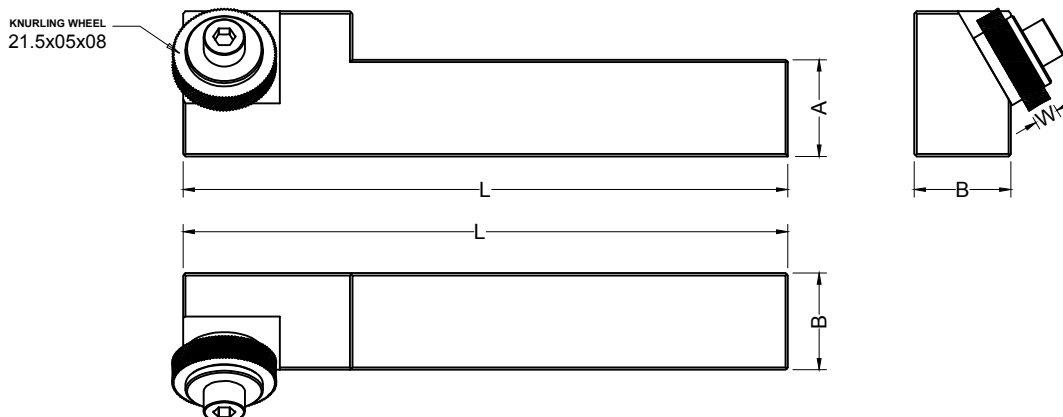
TOOL CODING SYSTEM:

C101-20R21.50508



POSSIBLE PROFILE	KNURLING WHEEL USED
	or
	LEFT TURNING
	RIGHT TURNING

TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL Ø x W x d
C101-20R21.50508	20	20	125	21.5x05x08
C101-20L21.50508	20	20	125	21.5x05x08
C101-25R21.50508	25	25	125	21.5x05x08
C101-25L21.50508	25	25	125	21.5x05x08



CUT KNURLING TOOL HOLDER

TOOL SERIES C102

MACHINE TYPE:

CNC machine, Troub, Sliding head, Lathe, Autolathe, SPM

FEATURES:

- Cut knurling with material removal
- Integrated Center height
- Minimal vibration, high quality visual profiles, close tolerances
- Reduction in Forces on Machine bearings
- Movable head for fine adjustment of cutting angle
- Movable knurling head can be adjusted to use in either left or right direction



TOOL CODING SYSTEM:

C102-20LR21.50508

PRODUCT SERIES

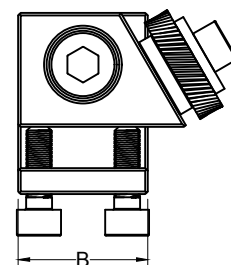
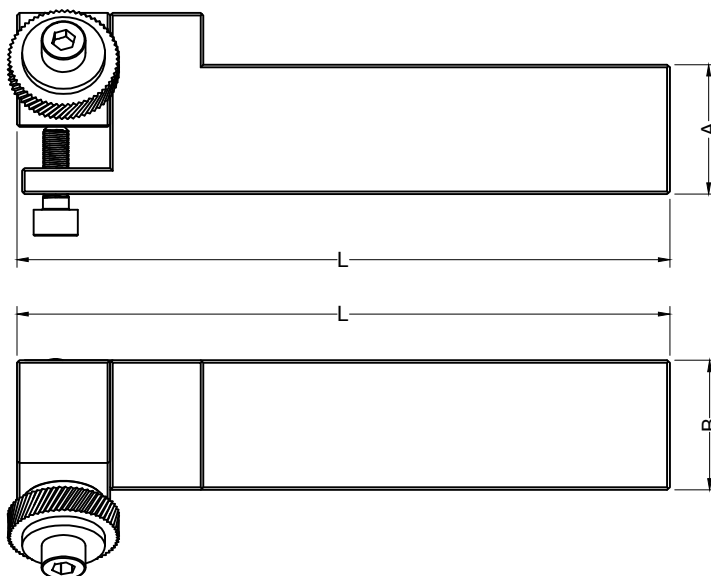
SHANK HEIGHT

KNURL POSITION

KNURL SIZE

POSSIBLE PROFILE	KNURLING WHEEL USED	
		LEFT TURNING
		RIGHT TURNING

TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL Ø x W x d
C102-20LR21.50508	20	20	126	21.5x05x08
C102-25LR21.50508	25	25	126	21.5x05x08



CUT KNURLING TOOL HOLDER

TOOL SERIES C201



MACHINE TYPE:

Troub, Sliding head, Lathe, SPM Autolathe

FEATURES:

- Cut knurling with material removal
- Heavyduty Double Cut Knurling holder
- Minimal vibration in machine
- high quality visual profiles, close tolerances
- Reduction in Forces on Machine bearings
- Movable head for fine adjustment of cutting angle
- Rotating Head ensures exact matching of center line

TOOL CODING SYSTEM:

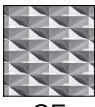


C201-21.5L250511

PRODUCT SERIES

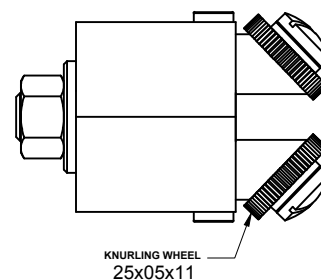
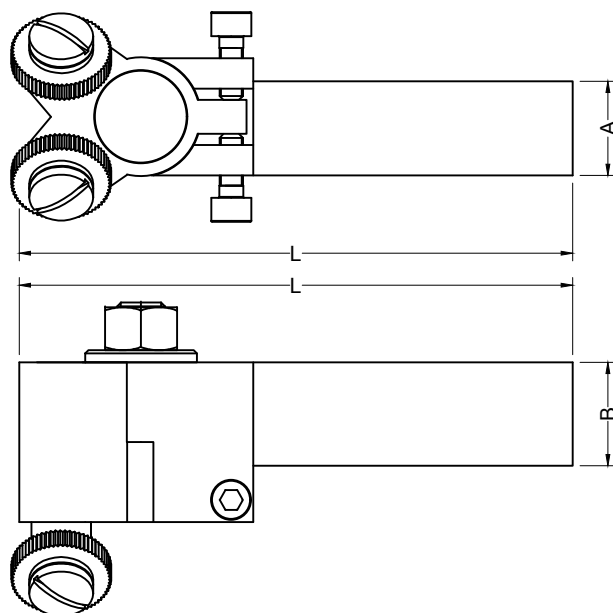
SHANK HEIGHT

KNURL POSITION

KNURL SIZE

POSSIBLE PROFILE	KNURLING WHEEL USED	
		
	AND	
GE	AA	AA

TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL Ø x W x d
C201-21.5L250511	21.5	28	138.5	25x05x11



STRADDLE KNURLING TOOL HOLDER

TOOL SERIES S201



MACHINE TYPE:

Troub, Mini Lathe, Sliding head, AutoLathe, lathe, CNC machine

SUITABLE METHOD:

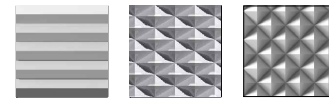
Plunge knurling, Feed knurling

FEATURES:

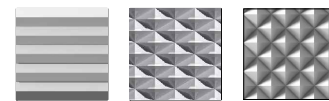
- Form knurling without swarf removal
- Minimises lateral pressure on workpiece
- Less strain on machine and workpiece
- Suitable for machining small and delicate parts
- Form knurling of thin-walled work pieces

POSSIBLE KNURLING PROFILE:

PLUNGE KNURLING-

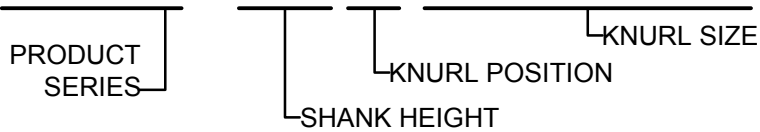


FEED KNURLING-

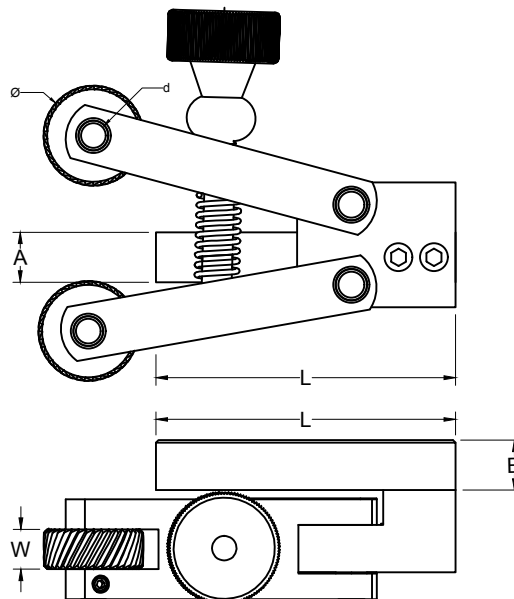


TOOL CODING SYSTEM:

S201-10M2000806

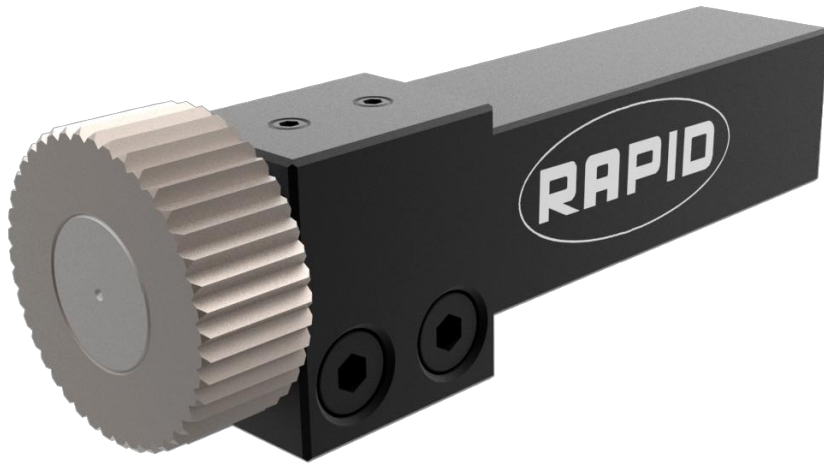


TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL Ø x W x d
S201-10M200806	10	10	60	20x08x06
S201-10M201006	10	10	60	20x10x06



FACE KNURLING TOOL HOLDER

TOOL SERIES **TF101**



MACHINE TYPE:

Conventional And CNC Lathe, Automatic Short Turning Lathe

SUITABLE METHOD:

Plunge Knurling

FEATURES:

- Form knurling without swarf removal
- Integrated center height.
- Suitable for knurling on face
- Accomodate knurl from Either Left or Right Directions.
- Set Screws in Shank for correction of clearance angle

TOOL CODING SYSTEM:

TF101-20LR201008C12

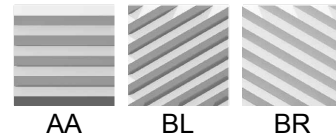
PRODUCT SERIES

SHANK HEIGHT

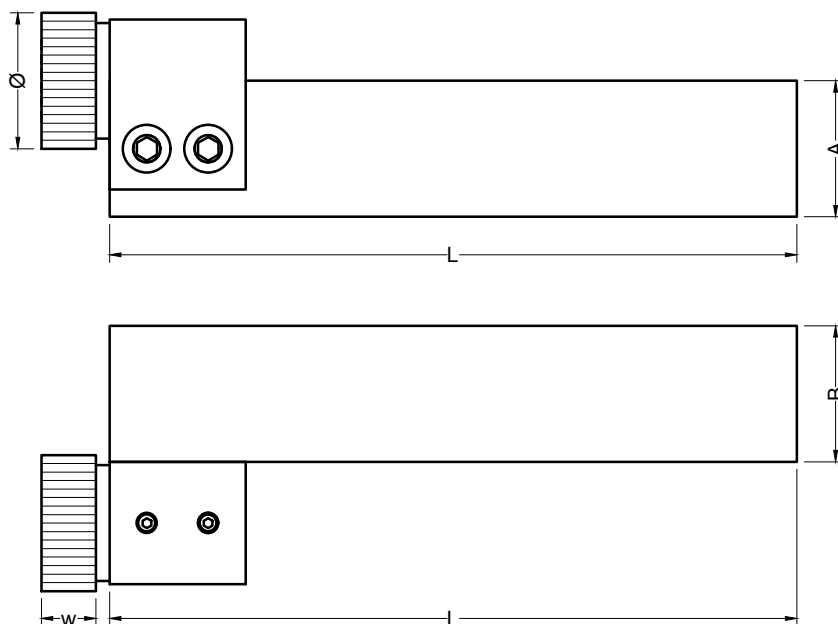
KNURL POSITION

KNURL SIZE

POSSIBLE KNURLING PROFILE:



TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd
TF101-20LR251008C12	20	20	101	25x10x08C12
TF101-25LR251008C12	25	25	101	25x10x08C12



**RAPID OFFERS CUSTOMIZED
KNURLING TOOLS OF
DIFFERENT PITCHES AND
KNURLING TOOL HOLDERS OF
DIFFERENT SHANK SIZES
ACCORDING TO CUSTOMER
REQUIREMENT**



SPECIAL KNURLING TOOL HOLDER

RAPID™ offers special knurling tools & holders. As per customer request and in consultation with our technical team, **RAPID™** manufactures tools which suites the specific need of customer application. Individual applications call for Special Customised tools.



**TAPER
KNURLING TOOL HOLDER**



**PIPE
KNURLING TOOL HOLDER**



**SIX WHEELS
KNURLING TOOL HOLDER**



**INTERNAL
KNURLING TOOL HOLDER**

PRICE LIST FOR KNURLING WHEELS



PRICE FOR STANDARD KNURLS

PITCH : 0.4 TO 2.5mm

DIA. x WIDTH x BORE	AA	BL	BR	GE	GV
20x08x06	420	420	420	600	600
20x10x06	480	480	480	720	720
20x12x06	600	600	600	1000	1000
10x04x04	500	500	500	700	700
15x04x04	500	500	500	700	700

PRICE FOR SPECIAL KNURLS

PITCH FOR 20x08x06	AA	BL	BR	GE	GV
0.3	1400	1400	1400	3500	3500
0.2	2100	2100	2100	3500	3500

TERMS & CONDITIONS

- Payment terms will be immediate
- GST at Actual (at present 18%)
- Packing & forwarding charges will be Extra
- Pitch Range: 0.4 to 2.5 mm (standard)
- Minimum order quantity for each item will be 10 Nos.
- All Price lists prior to 31st December 2018 are to be treated as cancelled
- Rapid offers Non-Standard size, Pitch, Angle, Dimension, types knurling Tools as well as knurling Tool Holders
- Prices are subjected to change as per Company Policy



PRICE LIST FOR KNURLING TOOL HOLDERS

TOOL SERIES **F101**

LATHE SINGLE KNURLING TOOL HOLDER



TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd	PRICE
F101-10M100404	10	10	100	10x04x04	1000
F101-10M150404	10	10	100	15x04x04	1000
F101-16M200806	16	16	140	20x08x06	1200
F101-20M200806	20	20	125	20x08x06	1200
F101-20M201006	20	20	125	20x10x06	1200

TOOL SERIES **F102**

CNC SINGLE KNURLING TOOL HOLDER



TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd	PRICE
F102-20M200606	20	20	110	20x06x06	1800
F102-20M200806	20	20	110	20x08x06	1800
F102-20M201006	20	20	110	20x10x06	1800
F102-20M201206	20	20	110	20x12x06	2500
F102-20M201506	20	20	110	20x15x06	2500
F102-25M200806	25	25	110	20x08x06	1800
F102-25M201006	25	25	110	20x10x06	1800
F102-25M201206	25	25	110	20x12x06	2500
F102-25M201506	25	25	110	20x15x06	2500

TOOL SERIES **F103**

CNC SINGLE SHOULDER KNURLING TOOL HOLDER



TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd	PRICE
F103-20LR201008C12	20	20	110	20x10x08C12	5500
F103-25LR201008C12	25	25	110	20x10x08C12	5500

PRICE LIST FOR KNURLING TOOL HOLDERS

TOOL SERIES **F104** LATHE SINGLE KNURLING FLANGE TOOL HOLDER



TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd	PRICE
F104-10M100404	10	10	100	10x04x04	1000
F104-10M150604	10	10	100	15x04x04	1000
F104-12.7M100404	12.7	12.7	100	20x08x06	1000
F104-12.7M150604	12.7	12.7	100	20x08x06	1000
F104-20M201206	20	20	125	20x12x06	1800
F104-20M201506	20	20	125	20x15x06	1800

TOOL SERIES **F201**

LATHE DOUBLE SELF CENTERING KNURLING TOOL HOLDER



TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd	PRICE
F104-10M100404	10	10	100	10x04x04	1000
F104-10M150604	10	10	100	15x04x04	1000
F104-12.7M100404	12.7	12.7	100	20x08x06	1000
F104-12.7M150604	12.7	12.7	100	20x08x06	1000
F104-20M201206	20	20	125	20x12x06	1800
F104-20M201506	20	20	125	20x15x06	1800

TOOL SERIES **F202**

LATHE DOUBLE HEAVY LOAD KNURLING TOOL HOLDER



TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd	PRICE
F202-25M200806	25	20	185	20x08x06	3300
F202-25M201006	25	20	185	20x10x06	3300
F202-25M201206	25	20	185	20x12x06	3300

PRICE LIST FOR KNURLING TOOL HOLDERS

TOOL SERIES **F204**

CNC DOUBLE NAIL KNURLING TOOL HOLDER



TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd	PRICE
F204-20M200806	20	20	146	20x08x06	3300
F204-20M201006	20	20	146	20x10x06	3300
F204-20M201206	20	20	146	20x12x06	3300
F204-25M200806	25	25	146	20x08x06	3300
F204-25M201006	25	25	146	20x10x06	3300
F204-25M201206	25	25	146	20x12x06	3300

TOOL SERIES **C101**

CUT SINGLE FIXED HEAD KNURLING TOOL HOLDER



TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd	PRICE
C101-20R21.50508	20	20	125	21.5x05x08	6000
C101-20L21.50508	20	20	125	21.5x05x08	6000
C101-25R21.50508	25	25	125	21.5x05x08	6000
C101-25L21.50508	25	25	125	21.5x05x08	6000

TOOL SERIES **C102**

CUT SINGLE MOVING HEAD KNURLING TOOL HOLDER



TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd	PRICE
C101-20R21.50508	20	20	125	21.5x05x08	6000
C101-20L21.50508	20	20	125	21.5x05x08	6000
C101-25R21.50508	25	25	125	21.5x05x08	6000
C101-25L21.50508	25	25	125	21.5x05x08	6000

PRICE LIST FOR KNURLING TOOL HOLDERS

TOOL SERIES **C201** CUT DOUBLE HEAVY LOAD KNURLING TOOL HOLDER



TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd	PRICE
C201-21.5L250511	21.5	28	138.5	25x05x11	35000
C201-21.5R250511	21.5	28	138.5	25x05x11	35000

TOOL SERIES **S201** MINI STRADDLE KNURLING TOOL HOLDER



TOOL NO.	A (mm)	B (mm)	L (mm)	KNURLING WHEEL ØxWxd	PRICE
S201-10M200806	10	10	60	20x08x06	6000
S201-10M201006	10	10	60	20x10x06	6000

RAPID KNURLING KIT

TYPE OF PRODUCT	PRODUCT CODE	QTY	PRICE
KNURLING TOOL HOLDERS	F101-20M200806	1	14750*
	F102-20M200806	1	
	F202-25M200806	1	
KNURLING TOOLS	AA 20 x 8 x 6	3	
	BL 20 x 8 x 6	3	
	BR 20 x 8 x 6	3	
	GE 20 x 8 x 6	3	
	GV 20 x 8 x 6	3	

**price mentioned is exclusive of GST*

