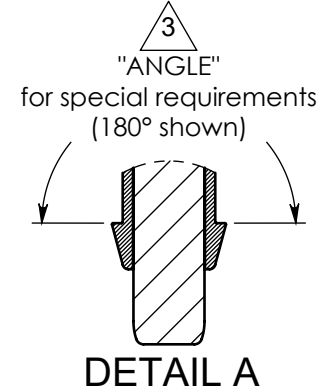
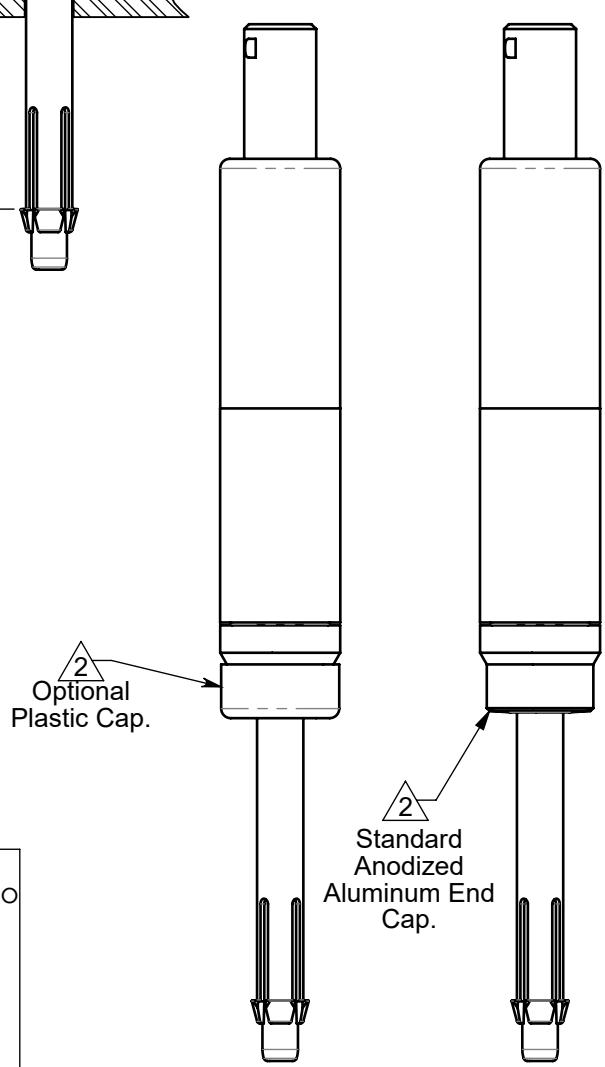


**Table II**  
Cross Reference Table

Tool Dash Number	Nominal Hole Diam (in)	Custom manufactured diam	Nominal Tool Diam (mm)	Stroke (in)
-5	(5/32)	.150/.162	0.156	1.5
-5A	(11/64)	.163/.179	0.172	1.5
-6	(3/16)	.180/.195	0.188	1.5
-6A	(13/64)	.196/.210	0.203	1.5
-7	(7/32)	.211/.227	0.219	1.5
-7A	(15/64)	.228/.240	0.234	1.5
-8	(1/4)	.241/.258	0.250	1.5
-8A	(17/64)	.259/.273	0.266	1.5
-9	(9/32)	.274/.288	0.281	1.5
-9A	(19/64)	.289/.305	0.297	1.5
-10	(5/16)	.306/.320	0.313	1.5
-10A	(21/64)	.321/.335	0.328	1.5
-11	(11/32)	.336/.352	0.344	1.5
-11A	(23/64)	.353/.365	0.359	1.5
-12	(3/8)	.366/.384	0.375	1.5
-12A	(25/64)	.385/.397	0.391	1.5
-13	(7/16)	.398/.414	0.438	1.5
-13A	(27/64)	.415/.429	0.422	1.5

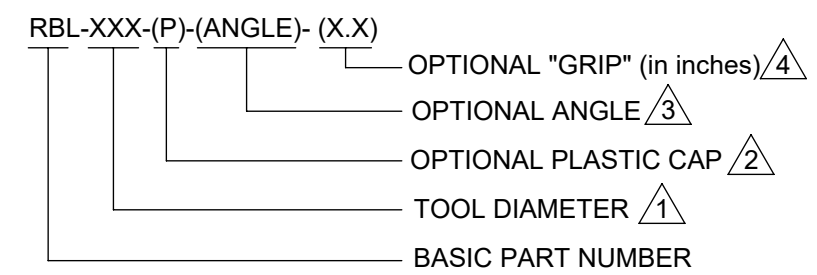
Note: when ordering, it is up to the user to determine the necessary diameter of the tool to achieve the desired fit.



**FUNCTION OF TOOL:**

=> USED TO TEMPORARILY CLAMP & ALIGN.

**TOOL ORDERING CODE:**



**1** TOOL DASH NUMBER (XXX) is specified as either a dash number shown in TABLE II, or as a custom diameter (XX).

**STANDARD DIAMETERS:** if TOOL DIAMETER is called out as a dash number (-X), then the tool's manufactured diameter is shown in TABLE II. Nominal tool diameter tolerance is +0.000/-0.004 inch and applies to values shown in TABLE II (see example tool code below).

**Custom DIAMETER requirements:** if TOOL DIAMETER is called out as a 3 PLACE number (XXX), then the tool is manufactured to the specified diameter. Nominal tool diameter tolerance is -0.001/-0.003 inch (see example tool code below).

**2** Optional PLASTIC CAP callout: Standard tool configuration is WITHOUT the plastic cap, and the tool will be provided without plastic cap if not called out. Note: Tools without plastic cap will have anodized Aluminum end cap (see example tool code below).

**3** Optional ANGLE callout: Standard tool configuration is "ANGLE" on clamping feet = 180°, and will be provided if no ANGLE is called out. If the tool is to be used to clamp in a c'sink hole, or is to be used in other special requirements, then specify the desired angle (see detail view A) in the "(ANGLE)" space located in the part number (see example tool code below).

**4** Optional GRIP (X.X) callout: Standard Max Grip range is shown in TABLE II, and will be provided if no custom GRIP is called out. If a longer maximum grip is required, specify max grip length in the part number (see example tool code below). Note: Stroke will still be 1.5"

**EXAMPLE TOOL CODE:**

**RBL-8**  
=> Tool manufactured diameter will be between Ø0.241 to Ø0.237 for nominal hole diameter of 1/4".  
=> Tool WILL NOT have a plastic cap.  
=> Angle on feet (see detail view A) will be 180° (default).  
=> Tool's grip range will be from 1.5 inch to 0.0 inch.

**RBL-255-P**  
=> Tool manufactured diameter will be between Ø0.254 to Ø0.252 for custom hole diameter.  
=> Tool WILL have a plastic cap.  
=> Angle on feet (see detail view A) will be 180° (default).  
=> Tool's grip range will be from 1.5 inch to 0.0 inch.

**RBL-.248-120-2.0**  
=> Tool manufactured diameter will be between Ø0.247 to Ø0.245 for custom hole diameter.  
=> Tool WILL NOT have a plastic cap.  
=> Clamping feet will be made to a 120 degree angle (see detail view A).  
=> Tool's grip range will be from 2.0 inch to 0.5 inch.

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RBL-XX-(P)-(ANGLE)-(X.X)  
TEMPORARY FASTENERS

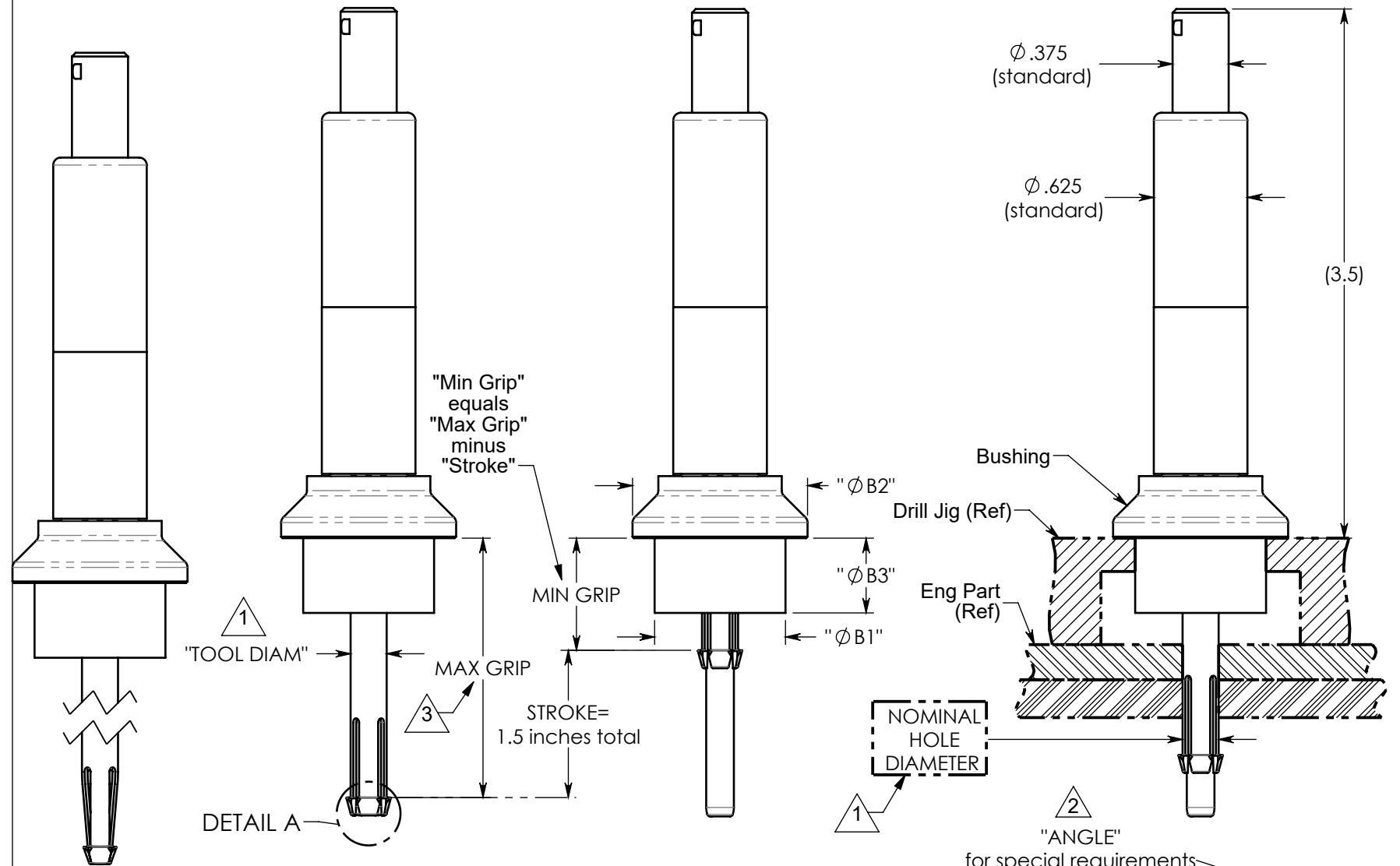
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SCALE: 1:1  
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SHEET 1 OF 1  
USAGE AND ORDERING SHEET

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**Table II**  
Cross Reference Table

Tool Dash Number	Nominal Hole Diam (in)	Custom manufactured diam	Nominal Tool Diam (mm)	Stroke (in)
-5	(5/32)	.150/.162	0.156	1.5
-5A	(11/64)	.163/.179	0.172	1.5
-6	(3/16)	.180/.195	0.188	1.5
-6A	(13/64)	.196/.210	0.203	1.5
-7	(7/32)	.211/.227	0.219	1.5
-7A	(15/64)	.228/.240	0.234	1.5
-8	(1/4)	.241/.258	0.250	1.5
-8A	(17/64)	.259/.273	0.266	1.5
-9	(9/32)	.274/.288	0.281	1.5
-9A	(19/64)	.289/.305	0.297	1.5
-10	(5/16)	.306/.320	0.313	1.5
-10A	(21/64)	.321/.335	0.328	1.5
-11	(11/32)	.336/.352	0.344	1.5
-11A	(23/64)	.353/.365	0.359	1.5
-12	(3/8)	.366/.384	0.375	1.5
-12A	(25/64)	.385/.397	0.391	1.5
-13	(7/16)	.398/.414	0.438	1.5
-13A	(27/64)	.415/.429	0.422	1.5

**Table III**  
LOCK COLLAR CROSS REFERENCE TABLE

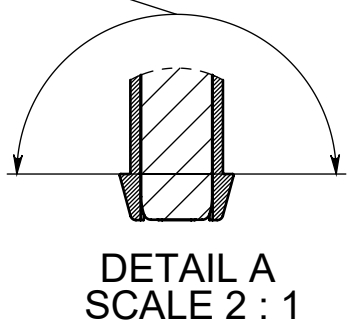
LOCK COLLAR SERIES	B2 <sup>+0.00</sup> / <sub>-0.01</sub>
21000	0.57
22000	1.17
23000	1.42
24000	1.67
25000	2.22

**All B Dimensions and Tolerances:**

B1 in 0.001" increments; tolerances +.000/-0.001

B2 in .01" increments; tolerances +.00/-0.01 (see Table III)

B3 in .1 increments; tolerances +.0/-0.1

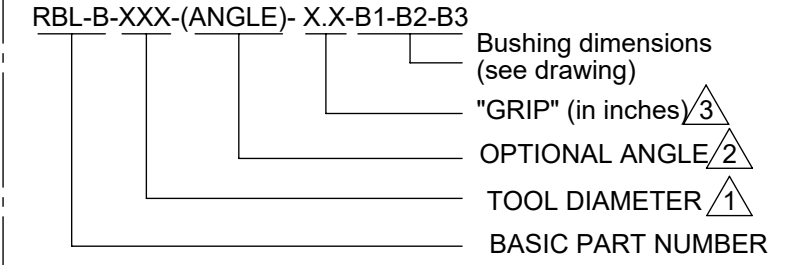


Note: when ordering, don't forget to order a tool diameter smaller than the lower spec limit on the hole. It is up to the user to determine the necessary diameter of the tool to achieve the desired fit.

**FUNCTION OF TOOL:**

=> USED TO TEMPORARILY CLAMP & ALIGN.

**TOOL ORDERING CODE:**



<sup>1</sup> TOOL DASH NUMBER (XXX) is specified as either a dash number shown in TABLE II, or as a custom diameter (XXX).

STANDARD DIAMETERS: if TOOL DIAMETER is called out as a dash number (-X), then the tool's manufactured diameter is shown in TABLE II. Nominal tool diameter tolerance is +0.000/-0.004 inches and applies to values shown in TABLE II (see example tool code below).

Custom DIAMETER requirements: if TOOL DIAMETER is called out as a 3 PLACE number (XXX), then the tool is manufactured to the specified diameter. Nominal tool diameter tolerance is -0.001/-0.003" (see example tool code below).

<sup>2</sup> Optional ANGLE callout: Standard tool configuration is the "ANGLE" on clamping feet = 180°, and will be provided if no ANGLE is called out. If the tool is to be used to clamp in a c/sink hole, or is to be used in other special requirements, then specify the desired angle (see detail view A) in the "(ANGLE)" space located in the part number (see example tool code below).

<sup>3</sup> Required GRIP callout: Specify max grip length in the part number (see example tool code below). Note: Stroke will still be 1.5"

**EXAMPLE TOOL CODE:**

**RBL-B-8-2.0-.375-.57-.5**  
=> Tool manufactured diameter will be between Ø0.241 to Ø0.237 for nominal hole diameter of Ø1/4".  
=> Angle on feet (see detail view A) will be 180° (default).  
=> Tool's grip range will be from 2.0 inch to 0.5 inch.  
=> Bushing dimensions B1=.375, B2=.57, B3=.5

**RBL-B-.252-5.0-.5-.75-1.0**  
=> Tool manufactured diameter will be between Ø0.251 to Ø0.249  
=> Angle on feet (see detail view A) will be 180° (default).  
=> Tool's grip range will be from 5.0 inch to 3.5 inch.  
=> Bushing dimensions B1=.500, B2=.75, B3=1.0

**RBL-B-.252-130-5.0-.5-.75-1.0**  
=> Tool manufactured diameter will be between Ø0.251 to Ø0.249  
=> Angle on feet (see detail view A) will be 130°.   
=> Tool's grip range will be from 5.0 inch to 3.5 inch.  
=> Bushing dimensions B1=.500, B2=.75, B3=1.0

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**CENTRIX LLC**

**RBL-B-XXX-(ANGLE)-(X.X)**

TEMPORARY FASTENERS

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