
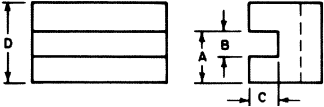

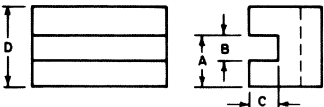

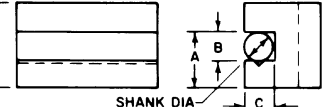

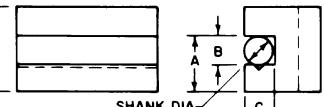

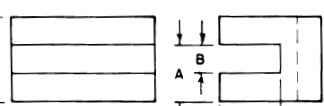

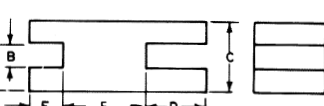

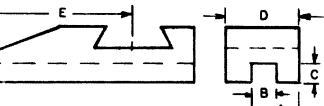



QUICK CHANGE SHANK TOOL HOLDERS

AXA-AX SERIES

<p>#1</p> 	<p>TURNING AND FACING HOLDER Takes various sizes of bits. Turning and facing tools can be locked in together. Saves time and labor when changing operations.</p>		<p>ORDER # AXA-1 PRICE EA. \$54.00</p> <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>Tool Bit</th> </tr> </thead> <tbody> <tr> <td>15/16</td> <td>1/2</td> <td>7/16</td> <td>1 1/2</td> <td>3/16-1/2</td> </tr> </tbody> </table>	A	B	C	D	Tool Bit	15/16	1/2	7/16	1 1/2	3/16-1/2										
A	B	C	D	Tool Bit																			
15/16	1/2	7/16	1 1/2	3/16-1/2																			
<p>#1S</p> 	<p>OVERSIZE TURNING AND FACING HOLDER Takes large sizes of bits. Turning and facing tools can be locked in together. Saves time and labor when changing operations. B dimension is oversize which allows larger tools to be used.</p>		<p>ORDER # AXA-1S PRICE EA. \$81.00</p> <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>Tool Bit</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>5/8</td> <td>7/16</td> <td>1 1/2</td> <td>5/8 max</td> </tr> </tbody> </table>	A	B	C	D	Tool Bit	1"	5/8	7/16	1 1/2	5/8 max										
A	B	C	D	Tool Bit																			
1"	5/8	7/16	1 1/2	5/8 max																			
<p>#2</p> 	<p>BORING, TURNING AND FACING HOLDER "V" groove holds round shank boring bars and tools as well as square tool bits.</p>		<p>ORDER # AXA-2 PRICE EA. \$58.00</p> <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>Tool Bit</th> <th>Shank</th> </tr> </thead> <tbody> <tr> <td>15/16</td> <td>1/2</td> <td>7/16</td> <td>1 1/2</td> <td>3/16-1/2</td> <td>7/16</td> </tr> </tbody> </table>	A	B	C	D	Tool Bit	Shank	15/16	1/2	7/16	1 1/2	3/16-1/2	7/16								
A	B	C	D	Tool Bit	Shank																		
15/16	1/2	7/16	1 1/2	3/16-1/2	7/16																		
<p>#2S</p> 	<p>OVERSIZE BORING, TURNING AND FACING HOLDER "V" groove holds round shank boring bars and tools as well as square tool bits. B dimension is oversize which allows larger tools to be used.</p>		<p>ORDER # AXA-2S PRICE EA. \$85.00</p> <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>Tool Bit</th> <th>Shank</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>5/8</td> <td>7/16</td> <td>1 1/2</td> <td>5/8 max</td> <td>1/2</td> </tr> </tbody> </table>	A	B	C	D	Tool Bit	Shank	1"	5/8	7/16	1 1/2	5/8 max	1/2								
A	B	C	D	Tool Bit	Shank																		
1"	5/8	7/16	1 1/2	5/8 max	1/2																		
<p>#6</p> 	<p>MULTIPLE TOOL HOLDER Versatile, ideal for repetitive work: for gang set-ups or form tool.</p>		<p>ORDER # AXA-6 PRICE EA. \$90.00</p> <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>Tool Bit</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>1/2</td> <td>1 1/8</td> <td>1 3/16</td> <td>1/4-1/2</td> </tr> </tbody> </table>	A	B	C	D	Tool Bit	1"	1/2	1 1/8	1 3/16	1/4-1/2										
A	B	C	D	Tool Bit																			
1"	1/2	1 1/8	1 3/16	1/4-1/2																			
<p>#9</p> 	<p>MULTI-PURPOSE HOLDER Ideal for multiple operations. Left or right turning and facing, working close to tail stock, form tool gang set-ups, etc. Extremely useful for short heavy duty boring or CNC gang tooling.</p>		<p>ORDER # AXA-9 PRICE EA. \$172.00</p> <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> <th>Tool Bit</th> </tr> </thead> <tbody> <tr> <td>15/16</td> <td>3/8</td> <td>1 1/2</td> <td>1 7/8</td> <td>1"</td> <td>2 1/8</td> <td>3/16-3/8</td> </tr> </tbody> </table>	A	B	C	D	E	F	Tool Bit	15/16	3/8	1 1/2	1 7/8	1"	2 1/8	3/16-3/8						
A	B	C	D	E	F	Tool Bit																	
15/16	3/8	1 1/2	1 7/8	1"	2 1/8	3/16-3/8																	
<p>#13 #13L</p> 	<p>EXTENSION TOOL HOLDER #13 & 13L A new addition to the versatile Aloris dovetail mounted quick-change tool holder series. The #13 provides an extremely rugged extended open slot featuring maximum rigidity for deep turning or facing operation. 13L - opposite hand.</p>		<table border="1"> <thead> <tr> <th colspan="2">ORDER # AXA-13</th> <th colspan="2">ORDER # AXA-13L</th> </tr> <tr> <th colspan="2">PRICE EA. \$90.00</th> <th colspan="2">PRICE EA. \$96.00</th> </tr> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>Tool Bit</th> </tr> </thead> <tbody> <tr> <td>15/16</td> <td>1/2</td> <td>7/16</td> <td>1 1/2</td> <td>2 1/2</td> <td>3/16-1/2</td> </tr> </tbody> </table>	ORDER # AXA-13		ORDER # AXA-13L		PRICE EA. \$90.00		PRICE EA. \$96.00		A	B	C	D	E	Tool Bit	15/16	1/2	7/16	1 1/2	2 1/2	3/16-1/2
ORDER # AXA-13		ORDER # AXA-13L																					
PRICE EA. \$90.00		PRICE EA. \$96.00																					
A	B	C	D	E	Tool Bit																		
15/16	1/2	7/16	1 1/2	2 1/2	3/16-1/2																		
<p>HEIGHT ADJUSTMENT ASSEMBLY</p> 			<p>ORDER # AXA-HA* PRICE EA. \$10.50</p>																				
<p>TOOL HOLDER SET SCREWS (SET OF 4)</p>			<p>ORDER # AXA-SS* PRICE \$6.00 SET</p>																				



TECHNICAL DATA:
DIMENSIONS – CAPACITIES – MODELS

BXA-BX SERIES						CXA-CX SERIES						CA SERIES						DA SERIES						EA SERIES											
ORDER # BXA-1 PRICE EA. \$63.00						ORDER # CXA-1 PRICE EA. \$79.00						ORDER # CA-1 PRICE EA. \$96.00						ORDER # DA-1 PRICE EA. \$143.00						ORDER # EA-1 PRICE EA. \$224.00											
A	B	C	D	Tool Bit		A	B	C	D	Tool Bit		A	B	C	D	Tool Bit		A	B	C	D	Tool Bit		A	B	C	D	Tool Bit							
1 ¹ / ₈	⁵ / ₈	¹ / ₂	1 ³ / ₄	¼– ⁵ / ₈		1 ⁷ / ₁₆	³ / ₄	⁵ / ₈	2 ¹ / ₈	½– ³ / ₄		1 ¹¹ / ₁₆	1"	³ / ₄	2 ¹ / ₂	½–1"		2 ³ / ₁₆	1 ¹ / ₄	1"	3 ¹ / ₈	½–1 ¹ / ₄		2 ¹¹ / ₁₆	1 ¹ / ₂	1 ¹ / ₄	4"	¾–1 ¹ / ₂							
ORDER # BXA-1S PRICE EA. \$90.00						ORDER # CXA-1S PRICE EA. \$118.00						ORDER # CA-1S PRICE EA. \$146.00						ORDER # DA-1S PRICE EA. \$218.00																	
A	B	C	D	Tool Bit		A	B	C	D	Tool Bit		A	B	C	D	Tool Bit		A	B	C	D	Tool Bit													
1 ³ / ₁₆	³ / ₄	¹ / ₂	1 ³ / ₄	¾ max		1 ⁹ / ₁₆	1"	⁵ / ₈	2 ¹ / ₈	1" max		2"	1 ¹ / ₄	³ / ₄	2 ¹ / ₂	1 ¹ / ₄ max		2 ⁵ / ₁₆	1 ¹ / ₂	1"	3 ¹ / ₈	1 ¹ / ₂ max													
ORDER # BXA-2 PRICE EA. \$70.00						ORDER # CXA-2 PRICE EA. \$87.00						ORDER # CA-2 PRICE EA. \$108.00						ORDER # DA-2 PRICE EA. \$155.00						ORDER # EA-2 PRICE EA. \$252.00											
A	B	C	D	Tool Bit	Shank	A	B	C	D	Tool Bit	Shank	A	B	C	D	Tool Bit	Shank	A	B	C	D	Tool Bit	Shank	A	B	C	D	Tool Bit	Shank	A	B	C	D	Tool Bit	Shank
1 ¹ / ₈	⁵ / ₈	¹ / ₂	1 ³ / ₄	¼– ⁵ / ₈	½	1 ⁷ / ₁₆	³ / ₄	⁵ / ₈	2 ¹ / ₈	½– ³ / ₄	¾	1 ¹¹ / ₁₆	1"	³ / ₄	2 ¹ / ₂	½–1"	¹³ / ₁₆	2 ³ / ₁₆	1 ¹ / ₄	1"	3 ¹ / ₈	½–1 ¹ / ₄	1"	2 ¹¹ / ₁₆	1 ¹ / ₂	1 ¹ / ₄	4"	¾–1 ¹ / ₂	1 ¹ / ₄						
ORDER # BXA-2S PRICE EA. \$96.00						ORDER # CXA-2S PRICE EA. \$124.00						ORDER # CA-2S PRICE EA. \$157.00						ORDER # DA-2S PRICE EA. \$232.00																	
A	B	C	D	Tool Bit	Shank	A	B	C	D	Tool Bit	Shank	A	B	C	D	Tool Bit	Shank	A	B	C	D	Tool Bit	Shank												
1 ³ / ₁₆	³ / ₄	¹ / ₂	1 ³ / ₄	¾ max	⁵ / ₈	1 ⁹ / ₁₆	1"	⁵ / ₈	2 ¹ / ₈	1" max	¾	2"	1 ¹ / ₄	³ / ₄	2 ¹ / ₂	1 ¹ / ₄ max	1"	2 ³ / ₁₆	1 ¹ / ₂	1"	3 ¹ / ₈	1 ¹ / ₂ max	1 ¹ / ₄												
ORDER # BXA-6 PRICE EA. \$105.00						ORDER # CXA-6 PRICE EA. \$118.00						ORDER # CA-6 PRICE EA. \$166.00						ORDER # DA-6 PRICE EA. \$200.00						ORDER # EA-6 PRICE EA. \$375.00											
A	B	C	D	Tool Bit		A	B	C	D	Tool Bit		A	B	C	D	Tool Bit		A	B	C	D	Tool Bit		A	B	C	D	Tool Bit							
1 ¹ / ₁₆	¹ / ₂	1 ⁹ / ₁₆	1 ³ / ₄	¼–½		1 ⁵ / ₁₆	⁵ / ₈	1 ⁷ / ₁₆	2 ¹ / ₈	¾– ⁵ / ₈		1 ⁹ / ₁₆	³ / ₄	1 ¹ / ₈	2 ¹ / ₂	½–¾		2 ¹ / ₈	1"	2 ¹ / ₈	3 ¹ / ₄	½–1"		2 ⁵ / ₈	1 ¹ / ₄	2 ⁵ / ₈	4"	¾–1 ¹ / ₂							
ORDER # BXA-9 PRICE EA. \$187.00						ORDER # CXA-9 PRICE EA. \$224.00						ORDER # CA-9 PRICE EA. \$264.00						ORDER # DA-9 PRICE EA. \$366.00																	
A	B	C	D	E	F	Tool Bit	A	B	C	D	E	F	Tool Bit	A	B	C	D	E	F	Tool Bit	A	B	C	D	E	F	Tool Bit								
1 ¹ / ₈	¹ / ₂	1 ³ / ₄	2 ¹ / ₁₆	1 ³ / ₁₆	2 ⁵ / ₈	¼–½	1 ⁵ / ₁₆	⁵ / ₈	2"	3"	1 ⁵ / ₈	3 ³ / ₈	¾– ⁵ / ₈	1 ¹ / ₂	³ / ₄	2 ¹ / ₂	3 ³ / ₈	1 ³ / ₄	3 ⁷ / ₈	¾–¾	2"	1"	3"	4"	2 ¹ / ₈	4 ⁷ / ₈	½–1"								
ORDER # BXA-13 PRICE EA. \$101.00			ORDER # BXA-13L PRICE EA. \$107.00			ORDER # CXA-13 PRICE EA. \$113.00			ORDER # CXA-13L PRICE EA. \$119.00			ORDER # CA-13 PRICE EA. \$135.00			ORDER # CA-13L PRICE EA. \$141.00			ORDER # DA-13 PRICE EA. \$225.00			ORDER # DA-13L PRICE EA. \$236.00			ORDER # EA-13 PRICE EA. \$335.00			ORDER # EA-13L PRICE EA. \$346.00								
A	B	C	D	E	Tool Bit		A	B	C	D	E	Tool Bit		A	B	C	D	E	Tool Bit		A	B	C	D	E	Tool Bit		A	B	C	D	E	Tool Bit		
1 ¹ / ₈	⁵ / ₈	¹ / ₂	1 ³ / ₄	2 ¹ / ₄	¼– ⁵ / ₈		1 ⁷ / ₁₆	³ / ₄	⁵ / ₈	2 ¹ / ₈	3 ³ / ₈	½–¾		1 ¹¹ / ₁₆	1"	³ / ₄	2 ¹ / ₂	3 ³ / ₄	½–1"		2 ¹ / ₈	1 ¹ / ₄	1"	3 ¹ / ₈	5"	½–1 ¹ / ₄		2 ¹¹ / ₁₆	1 ¹ / ₂	1 ¹ / ₄	4"	6 ¹ / ₂	¾–1 ¹ / ₂		
ORDER # BXA-HA* PRICE EA. \$10.50						ORDER # CXA-HA* PRICE EA. \$11.00						ORDER # CA-HA* PRICE EA. \$13.00						ORDER # DA-HA* PRICE EA. \$16.00						ORDER # EA-HA* PRICE EA. \$19.00											
ORDER # BXA-SS* PRICE \$6.00 SET						ORDER # CXA-SS* PRICE \$6.00 SET						ORDER # CA-SS* PRICE \$7.00 SET						ORDER # DA-SS* PRICE \$7.00 SET						ORDER # EA-SS* PRICE \$11.00 SET											