

QUICK CHANGE PROFILING TOOL HOLDERS

		AXA-AX SERIES												
#15 & #15L	PROFILING TOOL HOLDERS Available with right or left hand design for front or rear turning, profiling and contouring operations. Design features include: Unique, positive locking of insert is accomplished by the two-way force exerted by locking pin and the locking screw. Insert is held down and tight against the shoulders. Clamp lock insures extra rigidity of insert and holds chip-breaker, when used, securely in place. Choice of various diamond shaped inserts provides adaptation to positive or negative rake profiling. Available in Model #15 (right hand) or #15L (left hand), dovetail mounting design assures maximum repeating accuracy when used with standard Aloris Tool Post. Holder supplied with shim and clamp.	ORDER # AXA-15 PRICE EA. \$251.00	ORDER # AXA-15L PRICE EA. \$251.00											
			<table border="1"> <thead> <tr> <th rowspan="2">A</th> <th rowspan="2">B</th> <th colspan="2">PROFILING INSERT</th> <th rowspan="2">RAKE</th> </tr> <tr> <th>I.C.</th> <th>THICK</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>1 1/2"</td> <td>3/8"</td> <td>3/16" - 1/4"</td> <td>POS. or NEG.</td> </tr> </tbody> </table>		A	B	PROFILING INSERT		RAKE	I.C.	THICK	1"	1 1/2"	3/8"
A	B	PROFILING INSERT		RAKE										
		I.C.	THICK											
1"	1 1/2"	3/8"	3/16" - 1/4"	POS. or NEG.										
	LOCK SCREWS		ORDER # LS-15* PRICE EA. \$11.50											
	HEX LOCKING PINS		ORDER # LP-15* PRICE EA. \$12.50											
	CLAMPS		ORDER # ACK-12* PRICE EA. \$13.20											
	CLAMP SCREW		ORDER # ASTC-4* PRICE EA. \$3.60											
	CARBIDE SHIMS (SEATS)		ORDER # SM-117* PRICE EA. \$17.60											
	HEIGHT ADJUSTMENT ASSEMBLY		ORDER # AXA-HA* PRICE EA. \$10.50											

Carbide inserts listed at bottom of this page, and full selection on pages 49 – 54.

QUICK CHANGE KNURLING TOOL HOLDERS

		AXA-AX SERIES											
#10	KNURLING, FACING AND TURNING HOLDER For turning and facing as well as knurling. Supplied with a set of high speed precision ground and lapped medium diamond knurls. Easily replaceable. Holder supplied with 2 knurls.	ORDER # AXA-10 PRICE EA. \$115.00											
			<table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>E</th> <th>E₁</th> <th>TOOL BIT</th> </tr> </thead> <tbody> <tr> <td>7/8"</td> <td>2 1/2"</td> <td>1 9/16"</td> <td>1/2"</td> <td>3/8"</td> <td>3/16" - 1/2"</td> </tr> </tbody> </table>	A	B	C	E	E ₁	TOOL BIT	7/8"	2 1/2"	1 9/16"	1/2"
A	B	C	E	E ₁	TOOL BIT								
7/8"	2 1/2"	1 9/16"	1/2"	3/8"	3/16" - 1/2"								
	HEIGHT ADJUSTMENT ASSEMBLY		ORDER # AXA-HA* PRICE EA. \$10.50										
#19	ADJUSTABLE KNURLING HOLDER ...excellent knurling, with approach adjustability, is provided with the newly designed #19 knurling holder. The #19 is self-centering and is adjusted by means of a conveniently located knurled knob, providing the ideal near-vertical-axis approach angle for a wide range of stock diameters. Spindle and cross-slide pressure are minimal, thus knurling of thin wall tubing is easily performed. The Aloris #19, which is designed for use in any standard turret tool post or other open-slot holder, is also available with dovetail mounting (series 19) to fit Aloris tool posts. Precision ground, 3/4" O.D. x 3/8" wide, high-speed medium diamond knurls are supplied unless otherwise specified.	ORDER # AXA-19 PRICE EA. \$302.00											
			<table border="1"> <thead> <tr> <th>A</th> <th>KNURL SIZE</th> </tr> </thead> <tbody> <tr> <td>2"</td> <td>3/4" x 1/4" x 3/8"</td> </tr> </tbody> </table>	A	KNURL SIZE	2"	3/4" x 1/4" x 3/8"						
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2"	3/4" x 1/4" x 3/8"												
	HEIGHT ADJUSTMENT ASSEMBLY		ORDER # AXA-HA* PRICE EA. \$10.50										

CARBIDE PROFILING INSERTS FOR 15 & 15L PROFILE TOOLS[†]

STYLE	RAKE	DIMENSIONS			INSERT ORDER #	GRADE	
		I.C.	T	R		A2/A6	767
STYLE DNGA	- NEGATIVE	3/8"	3/16"	1/32"	DNGA-532*	\$16.70	\$32.45
STYLE DNMG	5° NEGATIVE	3/8"	3/16"	1/32"	DNMG-532* DNMS-532	\$18.60	\$26.15
STYLE DNMZ	5° POSITIVE	3/8"	1/4"	1/32"	DNMZ-542* DNMS-542	\$20.45	\$28.75

Inserts are priced individually, however, they must be purchased in packages of 10.



TECHNICAL DATA:
DIMENSIONS – CAPACITIES – MODELS

BXA-BX SERIES					CXA-CX SERIES					CA SERIES					DA SERIES					EA SERIES								
ORDER # BXA-15 PRICE EA. \$271.00		ORDER # BXA-15L PRICE EA. \$271.00			ORDER # CXA-15 PRICE EA. \$290.00		ORDER # CXA-15L PRICE EA. \$290.00			ORDER # CA-15 PRICE EA. \$317.00		ORDER # CA-15L PRICE EA. \$317.00			ORDER # DA-15 PRICE EA. \$370.00		ORDER # DA-15L PRICE EA. \$370.00											
A	B	PROFILING INSERT				A	B	PROFILING INSERT				A	B	PROFILING INSERT				A	B	PROFILING INSERT								
		I.C.	THICK	RAKE				I.C.	THICK	RAKE				I.C.	THICK	RAKE				I.C.	THICK	RAKE						
1"	1 5/8"	5/8"	3/16"	1/4"	POS. or NEG.	1 1/8"	2"	5/8"	3/16"	1/4"	POS. or NEG.	1 1/2"	2 1/4"	5/8"	3/16"	1/4"	POS. or NEG.	1 3/4"	2 7/8"	5/8"	3/16"	1/4"	POS. or NEG.					
ORDER # LS-15* PRICE EA. \$11.50					ORDER # LS-15* PRICE EA. \$11.50					ORDER # LS-15* PRICE EA. \$11.50					ORDER # LS-15* PRICE EA. \$11.50													
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ORDER # ACK-12* PRICE EA. \$13.20					ORDER # ACK-12* PRICE EA. \$13.20					ORDER # ACK-12* PRICE EA. \$13.20					ORDER # ACK-12* PRICE EA. \$13.20													
ORDER # ASTC-4* PRICE EA. \$3.60					ORDER # ASTC-4* PRICE EA. \$3.60					ORDER # ASTC-4* PRICE EA. \$3.60					ORDER # ASTC-4* PRICE EA. \$3.60													
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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. \$16.000													



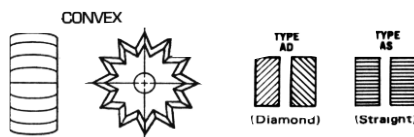
TECHNICAL DATA:
DIMENSIONS – CAPACITIES – MODELS

BXA-BX SERIES							CXA-CX SERIES							CA SERIES							DA SERIES							EA SERIES						
ORDER # BXA-10 PRICE EA. \$136.00							ORDER # CXA-10 PRICE EA. \$153.00							ORDER # CA-10 PRICE EA. \$167.00							ORDER # DA-10 PRICE EA. \$241.00													
A	B	C	E	E ₁	TOOL BIT		A	B	C	E	E ₁	TOOL BIT		A	B	C	E	E ₁	TOOL BIT		A	B	C	E	E ₁	TOOL BIT								
1"	2 5/8"	1 3/4"	5/8"	1/2"	1/4" – 5/8"		1 1/16"	3 1/8"	2"	3/4"	5/8"	1/2" – 3/4"		1 7/16"	3 3/4"	2 1/2"	1"	3/4"	1/2" – 1"		1 7/8"	4 1/2"	3 1/8"	1 1/4"	1"	1/2" – 1 1/4"								
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 # BXA-19 PRICE EA. \$315.00							ORDER # CXA-19 PRICE EA. \$333.00							ORDER # CA-19 PRICE EA. \$345.00							ORDER # DA-19 PRICE EA. \$375.00													
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REPLACEMENT KNURLS

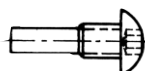
HIGH SPEED KNURLS

For #10 & #19 Holders:
AD-Diamond/AS-Straight/NEW – Convex
Hi-Cobalt (ACD-Spiral & ACS-Straight)



KNURL ORDER #	AD16R/AD16L/AS16* ACD16R/ACD16L/ACS16*	AD20R/AD20L/AS20/AD25R* AD25L/AS25/ACD20R/ACD20L* ACS20/ACD25R/ACD25L/ACS25*	AD50R/AD50L/AS50* ACD50R/ACD50L/ACS50*
	COARSE	MEDIUM	FINE
PRICE EA.	\$16.00 AD & AS		
	\$38.00 ACD & ACS (NEW) TIN COATED		

KNURL-LOCK SCREW



ORDER #	SCR-10*	Used with any #10 and 19 holder
PRICE EA.	\$6.00	