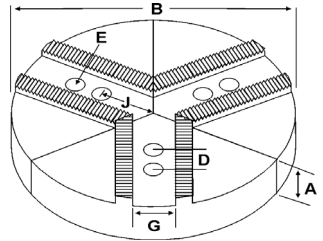
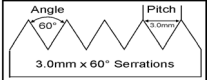


ROUND JAWS- 3.0 mm x 60° Serrations

FOR USE ON: **MMK Matsumoto, Howa & Other Chucks**



WARNING!
These jaw have 3.0mm x 60° serrations. Jaws using 1.5mm x 60° serrations can be found on pages 18-31



- Round Jaws allow for complete gripping of workpiece
- Oversized jaws available
- Ideal for thin-walled or irregular shaped workpieces.
- Can be machined to fit workpiece
- Max. length of serrations: 5.75"
- All jaws have 2 holes
- Special "J" dimensions available
- Available in Aluminum & Cast Iron
- **Made in the USA**

Group **K3**



Group No.	Chuck Size	Critical Dimensions				ALUMINUM				CAST IRON			
		Groove Width G	Screw Size E	Hole Space D	Hole to Front J	Part Number	Price Set of 3	Part Number	Price Set of 3				
K3-21-40	15	0.827 (21mm)	16mm	1.575 (40mm)	3.187	15	2.50	-	RH3-15258A	\$439.39	RH3-15258CI	\$492.78	
		0.826			4.125	15	3.00	HOW7MA15P	RH3-15308A4	\$459.00	-	-	
						3.187	15	4.00	-	RH3-15408A	\$539.82	-	-
K3-22-50	15-18	0.866 (22mm) (some mfg's refer to this as 0.868)	20mm	1.969 (50mm)	4.125	15	4.00	HOW7MA15P1	RH3-15408A4	\$520.54	-	-	
					3.750	15	2.50	-	RM3-15250A	\$439.39	RM3-15250CI	\$492.78	
					4.125	15	3.00	MTT15P	RM3-15300A4	\$459.00	-	-	
					3.750	15	4.00	-	RM3-15400A	\$539.82	-	-	
					4.125	15	4.00	MTT15P1	RM3-15400A4	\$520.54	-	-	
					3.750	15	6.00	-	RM3-15600A*	\$933.55	-	-	
					4.125	15	6.00	MTT15P6	RM3-15600A4	\$840.10	-	-	
					3.750	18	2.50	-	18-RM3-15250A	\$539.50	-	-	
					4.125	18	3.00	MTT18-15P	18-RM3-15300A4	\$599.40	-	-	
					3.750	18	4.00	-	18-RM3-15400A	\$728.78	-	-	
					4.125	18	4.00	MTT18-15P1	18-RM3-15400A4	\$728.78	-	-	
					3.750	21	2.50	-	21-RM3-15250A	\$777.03	-	-	
					4.125	21	3.00	MTT21-15P	21-RM3-15300A4	\$754.92	-	-	
					3.750	21	4.00	-	21-RM3-15400A	\$971.86	-	-	
					4.125	21	4.00	MTT21-15P1	21-RM3-15400A4	\$971.86	-	-	
	3.750	24	2.50	-	24-RM3-15250A	\$936.90	-	-					
	3.750	24	4.00	-	24-RM3-15400A*	\$1,352.54	-	-					
K3-25-60	18-24	0.984 (25mm) (some mfg's refer to this as .985)	20mm	2.360 (60mm)	4.000	15	4.00	-	15-RK3-21400A	\$539.82	-	-	
						18	2.50	-	RK3-18250A	\$539.83	-	-	
						4.750	18	3.00	KTT18-21P	18-RK3-21300A4	\$599.40	-	-
							4.00	KTT18-21P1	18-RK3-21400A4	\$728.78	-	-	
							21	2.00	KTT21P2	RK3-21200A4	\$591.84	-	-
							21	2.50	-	RK3-21250A	\$777.03	-	-
							21	4.00	-	RK3-21400A	\$971.86	-	-
							21	3.00	KTT21P	RK3-21300A4	\$754.92	-	-
							21	4.00	KTT21P1	RK3-21400A4	\$971.86	-	-
							24	2.00	KTT24-21P2	24-RK3-21200A4	\$861.84	-	-
							24	2.50	-	24-RK3-21250A	\$936.90	-	-
							24	4.00	-	24-RK3-21400A	\$1,352.54	-	-
							24	2.50	-	24-RK3-21250A-6	\$936.90	-	-
							24	3.00	KTT24-21P	24-RK3-21300A4	\$1,047.60	-	-
							24	4.00	KTT24-21P1	24-RK3-21400A4	\$1,047.60	-	-
			24	2.00	KTT24P2	RK3-24200A	\$861.84	-	-				
			24	3.00	KTT24P	RK3-24300A	\$1,047.60	-	-				
			24	4.00	KTT24P1	RK3-24400A	\$1,352.54	-	-				
			28	3.00	KTT28-21P	28-RK3-21300A	\$1,510.92	-	-				
			28	4.00	KTT28-21P1	28-RK3-21400A	\$2,149.20	-	-				
			28	3.00	KTT28-24P	28-RK3-24300A	\$1,510.92	-	-				
			28	4.00	KTT28-24P1	28-RK3-24400A	\$2,149.20	-	-				
K3-25-80	24	0.984 (25mm)	20mm	3.150 (80mm)	3.850	24	2.50	-	RK3-24250A	\$936.90	-	-	
						24	4.00	-	RK3-24400A	\$1,352.54	-	-	
K3-26-42	15	1.023 (26mm)	20mm	1.656 (42mm)	3.437	15	2.50	-	RH3-15254A	\$439.39	RH3-15254CI	\$492.78	
		1.025	20mm	1.653	4.313	15	3.00	HOW27M15P	RH3-15304A4	\$459.00	-	-	
K3-26-50	18-20	1.023 (26mm)	20mm	1.969 (50mm)	3.437	15	2.50	-	RH3-15250A	\$439.39	RH3-15250CI	\$492.78	
						15	4.00	HOW15P1	RH3-15400A	\$539.82	-	-	
						24	2.50	-	24-RH3-15250A*	\$936.90	-	-	

Round Jaw Material: ALUMINUM-6061-T6 Bar Stock, CAST IRON-Gray, STEEL-1018, 18" & Larger- Aluminum Casting T6
For complete list of applicable chucks, see pages 632-644.
* denotes non-stock item. Please allow 1 week manufacturing time.

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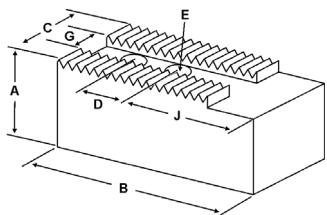
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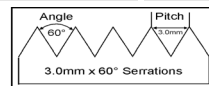
SOFT JAWS- 3.0 mm x 60° Serrations

C

FOR USE ON: **MMK Matsumoto, Howa & Other Chucks**



WARNING!
Make sure that you are looking for jaws with **3.0mm x 60°** serrations. Jaws using **1.5mm x 60°** serrations can be found on pages **18-31**



Group **K3**

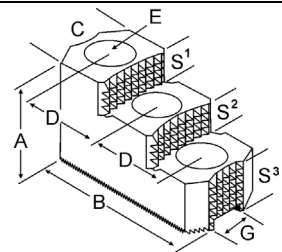
QUANTITY DISCOUNTS!
Order **5 SETS OR MORE** of the same part number soft jaw and receive a **5% DISCOUNT!**

Group No.	Chuck Size	Critical Dimensions			Hole to Front J	Width Inch C	Length Inch B	Hght Inch A	No. of Holes	ALUMINUM		STEEL	
		Groove Width G	Screw Size E	Hole Space D						FLAT END Part Number	Price Set Of 3	FLAT END Part Number	Price Set Of 3
K3-21-40	15	0.827 (21mm)	16mm	1.575 (40mm)	3.187	2.000	6.000	2.50	2	H3-15258AF	\$101.23	H3-15258F	\$107.47
4.00								2	H3-15408AF*	\$126.41	H3-15408F*	\$132.26	
4.50								2	H3-15458AF	\$125.38	H3-15458F	\$132.26	
K3-22-50	15 - 18	0.866 (22mm)	20mm	1.969 (50mm)	3.187	2.500	6.250	2.50	2	M3-15250AF	\$112.54	M3-15250F	\$119.05
3.00								2	M3-15300AF	\$117.67	M3-15300F	\$124.01	
4.00								2	M3-15400AF	\$141.66	M3-15400F	\$148.80	
5.00								2	M3-15500AF	\$225.41	M3-15500F	\$232.20	
6.00								2	M3-15600AF	\$285.43	M3-15600F	\$276.32	
K3-25-51	18 - 21	0.984 (25mm)	20mm	2.000 (51mm)	5.430	2.50	8.500	4.00	2	K3-21403AF*	\$168.51	K3-21403F*	\$182.82
K3-25-60	18 - 21	0.984 (25mm)	20mm	2.360 (60mm)	3.070	2.500	7.000	2.50	2	K3-21250AF	\$123.30	K3-21250F	\$130.38
4.00								2	K3-21400AF	\$148.65	K3-21400F	\$155.80	
6.00								2	K3-21600AF	\$306.37	K3-21600F	\$270.26	
K3-25-80	24	0.984 (25mm)	20mm	3.150 (80mm)	3.850	3.000	8.500	2.50	2	K3-24250AF	\$239.05	K3-24250F	\$254.36
K3-26-42	15	1.023 (26mm)	20mm	1.656 (42mm)	2.687	2.000	5.750	2.50	2	H3-15254AF	\$85.89	H3-15254F	\$90.93
K3-26-50								4.00	2	H3-15404AF	\$110.01	H3-15404F	\$115.74
K3-26-50	18 - 20	1.023 (26mm)	20mm	1.969 (50mm)	3.187	2.500	6.250	2.50	2	H3-15250AF	\$112.54	H3-15250F	\$119.05
HOVA HO1MA15								4.00	2	H3-15400AF	\$141.66	H3-15400F	\$148.80
								5.00	2	H3-15500AF	\$196.10	H3-15500F	\$206.67

For "Pointed" Soft Jaws, please substitute "P" for "F" in the part number. Example: H3-15258AF will be H3-15258AP. Pointed Jaws Add \$6.50.
Soft Jaw Material: ALUMINUM-6061-T6 Bar Stock, STEEL-1018, "B" JAWS-7075-T6 Aircraft Aluminum
For complete list of applicable chucks, see pages 632-644. * denotes non-stock item. Please allow 1 week manufacturing time.

HARD JAWS-2 STEP 3.0mm X 60° SERRATIONS

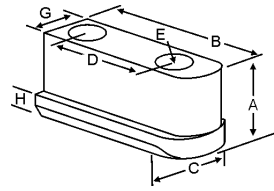
- Designed for first operation roughing, expect standard runout between **0.005-0.010**
- Reversible-suitable for OD & ID workholding.
- XTRA BITE** - very aggressive bite. Has conical teeth for extra gripping power and ground body to provide improved runout.
- 1 & 2 step jaws available.



XTRA BITE

Group Number	Chuck Size	Critical Dimensions			Width C	OAL B	Height A	No. of Holes	No. of Steps	Top Step Ht S1	Mid Step Ht S2	Bot Step Ht S3	Part Number	Price Per Set
		Groove Width G	Screw Size E	Hole Space D										
K3-22-50	15	0.866 (22mm)	20mm	1.969 (50mm)	2.500	6.500	3.469	3	2	0.950	0.950	1.569	M3-150HJ2-X	\$791.67
K3-25-49	18-24	0.984 (25mm)	20mm	1.907 (48.5mm)	2.500	6.500	3.469	3	2	0.950	0.950	1.569	K3-240HJ2-X	\$791.67

JAW NUTS & SCREWS



FREE SCREWS!
2 High Grade Socket Head Cap Screws Provided With Each Jaw Nut!

USST

Chuck Make & Model	Chuck Size	Critical Dimensions					2 Screws Included With Each Jaw Nut						
		Heel Height H	Groove Width G	Screw Size E	Hole Space D	Hght Inch A	Width Inch C	Length Inch B	Jaw Nut Part Number	Price Each	Screw Part Number	Price Each	
MMK: HO15M15	15	0.413	0.826(21mm)	M16-2.00 x 40mm	1.575(40mm)	1.141	1.000	2.560	H3-158JN	\$42.93	M1620040	\$2.00	
Kitagawa: B-21,B-24	18 - 24	0.748	0.984(25mm)	M20-2.50 x 50mm	2.362(60mm)	1.772	1.476	3.543	KT-240JN	\$57.54	M2025050	\$3.00	
-	21-24	0.748	0.984(25mm)	M20-2.50 x 50mm	T-Nut	1.772	1.476	1.811	KT-210JN	\$46.94	M2025050	\$3.00	
MMK: HO27M15	15	0.669	1.022(26mm)	M20-2.50 x 50mm	1.654(42mm)	1.570	1.339	2.750	H3-154JN	\$42.93	M2025050	\$3.00	
-	18 - 20	0.669	1.022(26mm)	M20-2.50 x 50mm	1.968(50mm)	1.575	1.339	3.250	H3-150JN	\$60.80	M2025050	\$3.00	

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