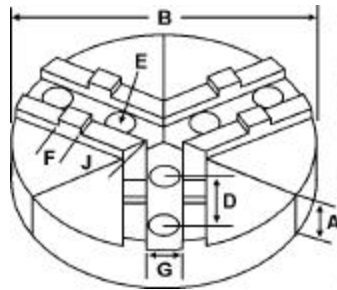


ROUND JAWS- Tongue & Groove

For Use On: Amestra, Buck, Bison, BTC, Cushman, Huron, PBA, SCA, Yuasa, Rohm Chucks



American Standard Tongue & Groove

- 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.
- Available in Aluminum, Cast Iron & Steel.
- Made in the USA.



Group

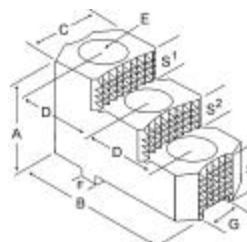


OFF-CENTER TONGUE

Group No.	Chuck Size	Type	Critical Dimensions				Tongue to Front J	Pie Dia B	Hght Inch A	ALUMINUM		CAST IRON		STEEL		
			Groove Width G	Tongue Width F	Screw Size E	Hole Space D				Part Number	Price Set Of 3	Part Number	Price Set Of 3	Part Number	Price Set Of 3	
TI-31-5/16-12	5	MEDIUM DUTY	0.312	0.499	5/16	1.250	1.100	6	2.00	6-RTG-5200A	60.09	-	-	-	-	
TI-31-3/8-15	6	MEDIUM DUTY	0.312	0.499	3/8	1.500	1.360	6	2.00	RTG-6200A	54.89	RTG-6200CI	77.91	RTG-6200S*	140.80	
3.00									RTG-6300A	81.86	RTG-6300CI	122.43	-	-		
4.00									RTG-6400A	85.12	-	-	-	-		
5.00									RTG-6500A*	138.95	-	-	-	-		
6.00									RTG-6600A	138.95	-	-	-	-		
TI-31-7/16-15	6	HEAVY DUTY	0.312	0.499	7/16	1.500	1.260	8	2.00	8-RTG-6200A	83.76	8-RTG-6200CI*	100.17	8-RTG-6200S*	204.80	
									4.00	8-RTG-6400A	113.71	-	-	-		
TI-31-3/8-17	6	HEAVY DUTY	0.312	0.499	7/16	1.500	1.260	6	2.00	RTG-6205A	57.13	RTG-6205CI	77.91	-	-	
									4.00	RTG-6405A	82.89	RTG-6405CI*	133.56	-	-	
									2.00	8-RTG-6205A	86.00	-	-	-	-	
									4.00	8-RTG-6405A	115.96	-	-	-	-	
TI-31-1/2-17	8	MEDIUM DUTY	0.312	0.499	3/8	1.750	2.150	6	2.00	6-RTG-8200A	60.09	-	-	-	-	
									4.00	6-RTG-8400A*	140.45	-	-	-	-	
									2.00	RTG-8200A	90.42	RTG-8200CI	100.17	RTG-8200S	204.80	
									3.00	RTG-8300A	110.27	-	-	RTG-8300S*	353.51	
									4.00	RTG-8400A	126.58	RTG-8400CI	189.21	-	-	
									2.00	10-RTG-8200A	105.03	10-RTG-8200CI	150.26	10-RTG-8200S	294.39	
								10	3.00	10-RTG-8300A	172.07	-	-	-	-	
									4.00	10-RTG-8400A	162.97	-	-	-	-	
									12	2.00	12-RTG-8200A	154.19	-	-	-	-
										2.50	12-RTG-8250A*	191.86	-	-	-	-
										4.00	12-RTG-8400A*	306.02	-	-	-	-
									5.00	12-RTG-8500A*	341.23	-	-	-	-	
TI-31-1/2-17	8	HEAVY DUTY	0.312	0.499	1/2	1.750	2.150	8	2.00	RTG-8205A	86.00	RTG-8205CI	100.17	-	-	
									4.00	RTG-8405A	115.96	RTG-8405CI	189.21	-	-	
									10	2.00	10-RTG-8205A	115.11	-	-	-	-
										4.00	10-RTG-8405A	174.17	-	-	-	-

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 54-66. * denotes non-stock item. Please allow 1 week manufacturing time.

HARD JAWS



- Designed for first operation roughing, standard runout between 0.005-0.010
- 1 & 2 step jaws available.
- Reversible-suitable for OD & ID workholding.
- OEM Style have ground tips and provide improved runout.
- Extra Bite have conical teeth for extra gripping power and black oxide for long life. Made in the USA.

Japanese OEM Style

American "Extra Bite™"



"-U" Hard Jaws are OEM Style.

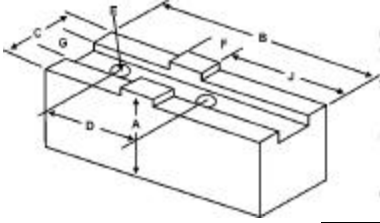
Group No.	Chuck Size	Critical Dimensions						No. of Steps	Step Height S1	Step Height S2	Step Height S3	Part Number	Price Set Of 3	
		Groove Width G	Tongue Width F	Screw Size E	Hole Space D	Width Inch C	Length Inch B							Hght Inch A
TI-31-3/8-15	6	0.312	0.499	3/8	1.500	1.035	2.834	1.511	2	0.354	0.354	0.803	TG-60HJ2-U	214.50
		0.313	0.499	3/8	1.500	1.500	2.788	1.969	2	0.530	0.530	0.909	TG-60HJ2	346.89
TI-31-3/8-17	8	0.312	0.499	3/8	1.750	1.114	3.227	1.629	2	0.394	0.394	0.842	TG-80HJ2-U	247.50
TI-31-3/8-17		0.312	0.499	3/8	1.750	1.250	3.550	2.000	2	0.600	0.360	1.040	TG-80HJ2	376.31

Call Us Today For All Of Your Machine Tool Needs!

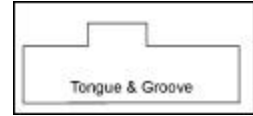
SOFT JAWS- Tongue & Groove

C

For Use On: Amestra, Buck, Bison, BTC, Cushman, Huron, PBA, Yuasa & Rohm Chucks



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



American Standard Tongue & Groove

Group No.	Chuck Size	Type	Critical Dimensions				Tongue to Front	Tongue Position	Width Inch C	Length Inch B	Hght Inch A	ALUMINUM		STEEL												
			Groove Width G	Tongue Width F	Screw Size E	Hole Space D						FLAT END Part Number	Price Set Of 3	FLAT END Part Number	Price Set Of 3											
TI-25-1/4-11	4	MEDIUM DUTY	0.250	0.437	1/4	1.188	0.880	Offset	0.625	2.000	1.25	TG-4120AF	36.44	TG-4120F	39.43											
TI-31-5/16-12	5	MEDIUM DUTY	0.312	0.499	5/16	1.250	1.100	Offset	0.750	2.375	1.50	TG-5150AF	30.84	TG-5150F	33.27											
TI-31-3/8-15	6	MEDIUM DUTY	0.312	0.499	3/8	1.500	1.360	Offset	1.000	2.750	1.50	TG-6150AF	31.03	TG-6150F	33.36											
											2.00	TG-6200AF	36.70	TG-6200F	39.43											
											2.50	TG-6250AF	45.18	TG-6250F	48.53											
											3.00	TG-6300AF	45.26	TG-6300F	48.53											
											4.00	TG-6400AF	84.00	TG-6400F	91.13											
											1.50	TG-6151AF	31.03	TG-6151F	29.44											
											1.350	Centered	1.000	3.200	1.50	TG-6153AF	36.49	TG-6153F	39.25							
															2.00	TG-6203AF	42.19	TG-6203F	45.31							
															2.50	TG-6253AF	50.86	TG-6253F	54.60							
															3.00	TG-6303AF	58.29	TG-6303F	62.55							
Offset	1.500	3.250	2.50	TG-6252AF	45.54	TG-6252F	48.53																			
TI-31-7/16-15	6	HEAVY DUTY	0.312	0.499	7/16	1.500	1.260	Offset	1.500	2.750	1.250	TG-6155AF	31.08	TG-6155F	33.36											
											2.00	TG-6205AF	36.88	TG-6205F	39.43											
											2.50	TG-6255AF	45.60	TG-6255F	48.70											
											3.00	TG-6305AF	45.98	TG-6305F	48.99											
											1.500	3.250	2.50	TG-6256AF	48.25	TG-6256F	51.46									
											Center	Centered	1.500	2.813	1.50	TG-6158AF*	60.25	TG-6158F*	33.36							
3.50	TG-6358AF*	69.38	TG-6358F*	57.16																						
TI-31-3/8-17	8	MEDIUM DUTY	0.312	0.499	3/8	1.750	2.000	Offset	1.250	3.750	2.00	TG-8200AF	37.27	TG-8200F	40.43											
											2.00	TG-8200BF	53.77	-	-											
											2.50	TG-8250AF	44.11	TG-8250F	47.01											
											3.00	TG-8300AF	48.45	TG-8300F	51.55											
											3.00	TG-8300BF	69.41	-	-											
											4.00	TG-8400AF	65.70	TG-8400F	66.60											
											5.00	TG-8500AF	148.60	TG-8500F	161.22											
											6.00	TG-8600AF	161.52	TG-8600F	175.24											
											Centered	1.250	4.500	2.00	TG-8203AF	48.02	TG-8203F	42.06								
														2.50	TG-8253AF	53.80	TG-8253F	57.35								
														3.00	TG-8303AF	59.58	TG-8303F	63.41								
														4.00	TG-8403AF	74.08	TG-8403F	70.09								
											TI-31-1/2-17	8	HEAVY DUTY	0.312	0.499	1/2	1.750	2.000	Offset	1.500	3.750	2.00	TG-8205AF	42.60	TG-8205F	40.66
																						3.00	TG-8305AF	54.14	TG-8305F	57.52
4.00	TG-8405AF	68.66	TG-8405F	72.88																						
6.00	TG-8605AF*	169.60	TG-8605F*	184.00																						
2.00	TG-8208AF*	46.87	TG-8208F*	64.07																						
3.50	TG-8358AF*	75.15	TG-8358F*	112.10																						
TI-31-1/2-17	8	8" W & S	0.313	0.499	1/2	1.750	1.813	Offset	1.25	3.50	2.50	TG-8259AF*	41.17	TG-8259F*	43.88											
											3.00	TG-8309AF*	66.73	TG-8309F*	71.45											

For "Pointed" Soft Jaws, please substitute "P" for "F" in the part number. Example: TG-4120AF will be TG-4120AP. For Pointed Jaws add \$3.50.

Soft Jaw Material: ALUMINUM-6061-T6 Bar Stock, STEEL-1018, "B" JAWS-7075-T6 Aircraft Aluminum

For complete list of applicable chucks, see pages 54-66. * denotes non-stock item. Please allow 1 week manufacturing time.

3 JAW SCROLL CHUCKS ZERO SET

- With Top Reversible Jaws
- .0005" TIR repeatability on duplicated parts through 12" chucks.
- Semi-steel body
- Scroll and jaws hardened and ground for increased life and gripping force
- Includes chuck, master jaws, top jaws, T-wrench & mounting screws



Size	OD Min	OD Max	ID Min	ID Max	Max RPM	Part Number	Price
6"	0.125	6.000	1.875	5.750	3400	BT-1063R	\$420.75
8"	0.250	8.250	2.125	6.750	3100	BT-1083R	\$467.50
10"	0.500	9.360	2.937	8.718	2700	BT-1103R	\$722.50
12"	0.500	11.312	3.281	10.125	2200	BT-1123R	\$892.50

Larger Chucks Also Available! Please Call For More Information!

Call Us Or Visit Our Website For Our Complete Selection!

2005-06 Product Catalog

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Soft, Round & Hard Jaws

5C, 16C, CHICK Collet Chucks

Precision ER Collets Coolant & Tapping

Drill Chucks Tapping Equip

Spade Drills HSS/Carbide Inserts

Carbide Tools Micro 100

Knurling Tools Bandsaw Blades

Flat Stock/Drill Rod Tooling Components