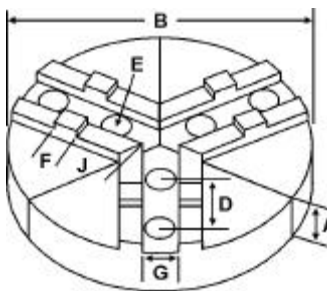


ROUND JAWS- Tongue & Groove

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 In 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	69.10	-	-	-	-
TI-31-3/8-15	6	MEDIUM DUTY	0.312	0.499	3/8	1.500	1.360	6	2.00	RTG-6200A	63.12	RTG-6200CI	89.60	RTG-6200S*	161.92
3.00									RTG-6300A	94.14	RTG-6300CI	140.79	-	-	
4.00									RTG-6400A	97.89	-	-	-	-	
5.00									RTG-6500A*	159.79	-	-	-	-	
6.00									RTG-6600A	159.79	-	-	-	-	
TI-31-7/16-15	6	HEAVY DUTY	0.312	0.499	7/16	1.500	1.260	6	2.00	8-RTG-6200A	96.32	8-RTG-6200CI*	115.20	8-RTG-6200S*	235.52
									4.00	8-RTG-6400A	130.77	-	-	-	
TI-31-3/8-17	8	MEDIUM DUTY	0.312	0.499	3/8	1.750	2.150	8	2.00	8-RTG-6205A	95.32	RTG-6405CI*	153.59	-	-
									4.00	8-RTG-6405A	133.35	-	-	-	
									2.00	8-RTG-6205A	98.90	-	-	-	
TI-31-1/2-17	8	HEAVY DUTY	0.312	0.499	1/2	1.750	2.150	10	2.00	8-RTG-6405A	133.35	-	-	-	-
									4.00	8-RTG-6405A	133.35	-	-	-	
									2.00	8-RTG-8200A	69.10	-	-	-	
									4.00	8-RTG-8400A*	161.52	-	-	-	
									2.00	RTG-8200A	103.98	RTG-8200CI	115.20	RTG-8200S	235.52
									3.00	RTG-8300A	126.81	-	-	RTG-8300S*	406.54
									4.00	RTG-8400A	145.57	RTG-8400CI	217.59	-	-
									2.00	10-RTG-8200A	120.78	10-RTG-8200CI	172.80	10-RTG-8200S	338.55
									3.00	10-RTG-8300A	197.88	-	-	-	-
									4.00	10-RTG-8400A	187.42	-	-	-	-
TI-31-1/2-17	8	HEAVY DUTY	0.312	0.499	1/2	1.750	2.150	12	2.00	12-RTG-8200A	177.32	-	-	-	-
									2.50	12-RTG-8250A*	220.64	-	-	-	-
									4.00	12-RTG-8400A*	351.92	-	-	-	-
									5.00	12-RTG-8500A*	392.41	-	-	-	-
TI-31-1/2-17	8	HEAVY DUTY	0.312	0.499	1/2	1.750	2.150	10	2.00	RTG-8205A	98.90	RTG-8205CI	115.20	-	-
									4.00	RTG-8405A	133.35	RTG-8405CI	217.59	-	-
									2.00	10-RTG-8205A	132.38	-	-	-	-
									4.00	10-RTG-8405A	200.30	-	-	-	-

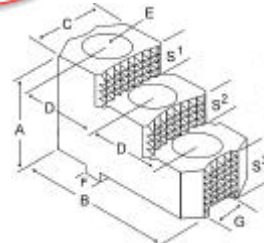
Round Jaw Material: ALUMINUM-6061-T6 Bar Stock, CAST IRON-Gray, STEEL-1018. 18" & Larger- Aluminum Casting T6
For complete list of applicable chucks, see pages 60-72. * denotes non-stock item. Please allow 1 week manufacturing time.

HARD JAWS AMERICAN STANDARD TONGUE & GROOVE



FEATURES:

- Designed for first operation roughing, expect standard runout between 0.005-0.010
- Reversible-suitable for OD & ID workholding.
- GRIP-RITE-OEM style hard jaws have ground tips and provide better runout.
- XTRA BITE -very aggressive bite. Has conical teeth for extra gripping power and ground body to provide improved runout.
- DURAJAW have conical teeth for extra gripping power and black oxide for long life. Made in the USA.



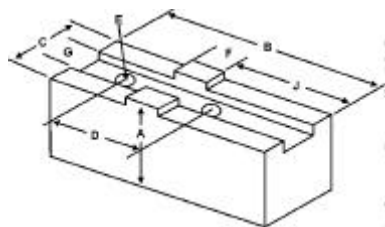
Critical Dimensions

Group	Chuck Size	Type	Critical Dimensions				Width In A	OAL In B	Height In A	No. of Holes	No. of Steps	Top Step Ht S1	Mid Step Ht S2	Bot Step Ht S3	Part Number	Price Per Set	Code
			Groove Width G	Tongue Width F	Screw Size E	Hole Space D											
TI-31-3/8-15	6	-	0.312	0.500	3/8	1.500	1.035	2.834	1.511	2	2	0.354	0.354	0.803	TG-60HJ2-U	\$249.38	E
							1.500	2.780	1.969	2	2	0.530	0.530	0.909	TG-60HJ2-X	\$262.50	E
TI-31-3/8-17	8	-	0.312	0.500	3/8	1.750	1.250	3.550	2.000	2	2	0.600	0.360	1.040	TG-80HJ2	\$316.67	B
							1.114	3.227	1.629	2	2	0.394	0.394	0.843	TG-80HJ2-U	\$270.75	E
							1.500	3.287	1.969	2	2	0.530	0.530	0.909	TG-80HJ2-X	\$285.00	E

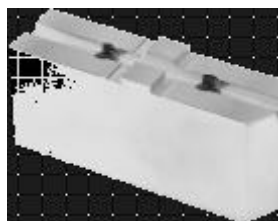
Call Us Today For All Of Your Machine Tool Needs!

SOFT JAWS- Tongue & Groove

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 J	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				
										2.375	2.00	TG-5200AF	36.57	TG-5200F	39.43				
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				
											1.610	Offset	1.000	3.000	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	1.50	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				
											1.750	Offset	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*
						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 \$3.25.

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

For complete list of applicable chucks, see pages 60-72. * 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!

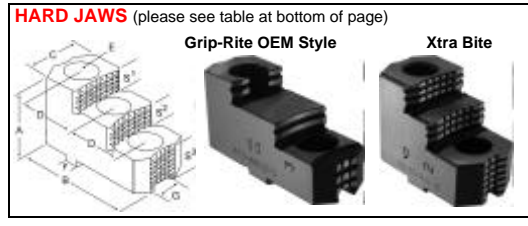
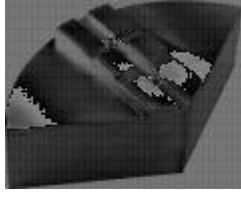
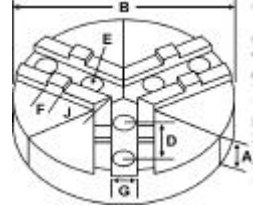
Call Us Or Visit Our Website For Our Complete Selection!

ROUND JAWS- Tongue & Groove

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



American Standard Tongue & Groove



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-50-1/2-21	10	MEDIUM DUTY	0.501	0.749	1/2	2.125	2.200	5.00	12-RTG-10500A*	392.41	-	-	-	-									
								4.00	18-RTG-10400A*	674.80	-	-	-	-									
								1.900	1.900	8	4.00	8-RTG-10400A	145.57	-	-	-	-						
											6.00	8-RTG-10600A	231.30	-	-	-	-						
											2.125	2.200	10	2.00	RTG-10200A	120.78	RTG-10200CI	172.80	RTG-10200S	338.55			
								3.00	RTG-10300A	160.28				-	-	-	-						
								4.00	RTG-10400A	187.42				RTG-10400CI	307.19	-	-						
								5.00	RTG-10500A	280.05				-	-	-	-						
								2.00	12-RTG-10200A	177.32				-	-	-	-						
								4.00	12-RTG-10400A	306.48				-	-	-	-						
								15	2.50	15-RTG-10250A	392.31	-	-	-	-								
											4.00	15-RTG-10400A	481.98	-	-	-							
2.00	RTG-10205A	132.38	RTG-10205CI	172.80	-	-																	
3.00	RTG-10305A*	197.88	-	-	-	-																	
4.00	RTG-10405A	200.30	RTG-10405CI	307.19	-	-																	
5.00	RTG-10505A*	280.05	-	-	-	-																	
TI-50-5/8-21	10	HEAVY DUTY	0.501	0.749	5/8	2.125	2.200	2.00	RTG-10205A	132.38	RTG-10205CI	172.80	-	-									
								3.00	RTG-10305A*	197.88	-	-	-	-									
								4.00	RTG-10405A	200.30	RTG-10405CI	307.19	-	-									
								12	4.00	12-RTG-10205A	177.32	-	-	-	-								
											4.00	12-RTG-10405A	332.26	-	-	-							
											2.50	15-RTG-10255A*	392.31	-	-	-							
								TI-50-1/2-25	12	MEDIUM DUTY	0.501	0.749	1/2	2.500	1.770	8	4.00	8-RTG-12400A	145.57	-	-	-	
																6.00	8-RTG-12600A	249.55	-	-	-		
																2.425	10	2.00	10-RTG-12200A	120.78	-	-	-
																		4.00	10-RTG-12400A	210.47	-	-	-
																		3.370	12	2.00	RTG-12200A	167.58	RTG-12200CI
																2.50	RTG-12250A			176.41	-	-	-
3.00	RTG-12300A	247.46	-	-	-																		
4.00	RTG-12400A	312.93	-	-	-																		
5.00	RTG-12500A	392.41	-	-	-																		
2.50	15-RTG-12250A	392.31	15-RTG-12250CI	447.98	-	-																	
18	2.50	18-RTG-12250A	499.84	-	-	-	-																
			4.00	18-RTG-12400A	674.80	-	-									-							
			21	2.50	21-RTG-12250A*	719.47	-	-	-	-													
						24	2.50	24-RTG-12250A	867.50	-	-	-											
									TI-50-5/8-25	12	HEAVY DUTY	0.501	0.749	5/8	2.500	3.370	12	2.00	RTG-12205A	177.32	RTG-12205CI	255.99	-
			2.50	RTG-12255A	193.15													-	-	-			
4.00	RTG-12405A	332.26	-	-	-																		
5.00	RTG-12505A	392.41	-	-	-																		
3.350	15	2.50	15-RTG-12255A	392.31	15-RTG-12255CI	447.98	-																
		4.00	15-RTG-12405A	481.98	-	-	-																
		18	2.50	18-RTG-12255A	499.84	-	-	-															
4.00	18-RTG-12405A				674.80	-	-	-															
					3.100	21	4.00	21-RTG-12405A*										899.87	-	-	-		

Round Jaw Material: ALUMINUM-6061-T6 Bar Stock, CAST IRON-Gray, STEEL-1018. 18" & Larger- Aluminum Casting TG

For complete list of applicable chucks, see pages 60-72. * denotes non-stock item. Please allow 1 week manufacturing time.

HARD JAWS



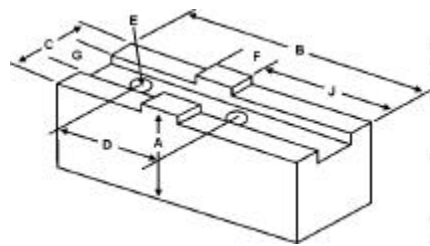
Group	Chuck Size	Type	Critical Dimensions				Hole Space D	Width Inch C	OAL Inch B	Height Inch A	No. of Holes	No. of Steps	Top Step Ht S1	Mid Step Ht S2	Bot Step Ht S3	Part Number	Price Per Set	Code
			Groove Width G	Tongue Width F	Screw Size E													
TI-50-1/2-21	10	MEDIUM DUTY	0.500	0.750	1/2	2.125	1.750	3.770	2.500	2	2	0.688	0.440	1.380	TG-100HJ2	\$333.33	B	
							1.389	4.034	2.063	2	2	0.551	0.551	1.200	TG-100HJ2-U	\$285.00	E	
							1.750	3.920	2.469	2	2	0.650	0.650	1.169	TG-100HJ2-X	\$300.00	E	
TI-50-1/2-25	12	MEDIUM DUTY	0.500	0.750	1/2	2.500	1.750	4.500	2.500	2	2	0.680	0.440	1.380	TG-120HJ2	\$450.00	B	
							1.586	4.585	2.063	2	2	0.591	0.591	0.882	TG-120HJ2-U	\$384.75	E	
							1.750	4.550	2.500	2	2	0.650	0.650	1.200	TG-120HJ2-X	\$405.00	E	
TI-50-5/8-25		HVY DTY	0.500	0.750	5/8	2.500	1.750	4.550	2.500	2	2	0.650	0.650	1.200	TG-125HJ2-X	\$435.00	E	

Call Us Today For All Of Your Machine Tool Needs!

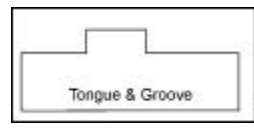
SOFT JAWS- Tongue & Groove

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!**



Group
TI

American Standard Tongue & Groove

Group No.	Chuck Size	Type	Critical Dimensions				Tongue to Front J	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-50-1/2-21	10	MEDIUM DUTY	0.501	0.749	1/2	2.125	2.300	Offset	1.500	4.500	2.00	TG-10200AF	42.83	TG-10200F	45.49
											2.00	TG-10200BF	61.55	-	-
											2.50	TG-10250AF	48.65	TG-10250F	51.55
											3.00	TG-10300AF	54.46	TG-10300F	57.63
											4.00	TG-10400AF	66.09	TG-10400F	69.76
											2.00	TG-10202AF	58.80	TG-10202F	62.48
							2.625	Centered	2.000	6.000	3.00	TG-10302AF	65.45	TG-10302F	69.07
											2.00	TG-10203AF	74.87	TG-10203F	45.56
											3.00	TG-10303AF	82.05	TG-10303F	86.43
											4.00	TG-10403AF	110.81	TG-10403F	70.09
TI-50-5/8-21	10	HEAVY DUTY	0.501	0.749	5/8	2.125	2.300	Offset	1.750	4.500	2.00	TG-10205AF	45.69	TG-10205F	48.44
											2.50	TG-10255AF	52.74	TG-10255F	55.80
				0.750	5/8	2.120	Center	Centered	1.750	3.938	2.00	TG-10208AF*	39.69	TG-10208F*	40.60
											4.00	TG-10408AF*	89.64	TG-10408F*	79.60
TI-50-5/8-21	10	10" W & S	0.500	0.750	5/8	2.120	2.125	Offset	1.750	4.25	2.50	TG-10259AF*	51.87	TG-10259F*	45.29
TI-50-1/2-25	12	MEDIUM DUTY	0.501	0.749	1/2	2.500	2.900	Offset	1.750	5.250	2.00	TG-12200AF	51.53	TG-12200F	53.28
											2.50	TG-12250AF	57.43	TG-12250F	57.76
											3.00	TG-12300AF	66.13	TG-12300F	69.76
											4.00	TG-12400AF	77.91	TG-12400F	81.87
											6.00	TG-12600AF	180.06	TG-12600F	191.36
											2.00	TG-12203AF	73.27	TG-12203F	56.07
							3.670	Centered	1.750	6.550	2.50	TG-12253AF	86.23	TG-12253F	91.49
											3.00	TG-12303AF	100.59	TG-12303F	106.64
											4.00	TG-12403AF	115.33	TG-12403F	116.73
											2.50	TG-12252AF	74.67	TG-12252F	61.42
							3.670	Offset	2.000	6.000	4.00	TG-12402AF	110.81	TG-12402F	116.76
											6.00	TG-12602AF	242.96	TG-12602F	250.24
											2.50	TG-12258AF*	59.24	TG-12258F*	65.62
											4.00	TG-12408AF*	71.02	TG-12408F*	74.45
TI-50-5/8-25	12	12" W & S	0.500	0.750	5/8	2.500	2.500	Offset	1.750	4.875	2.50	TG-12259AF*	57.90	TG-12259F*	61.27
TI-50-5/8-25	12	HEAVY DUTY	0.501	0.749	5/8	2.500	2.900	Offset	2.000	5.250	2.00	TG-12205AF	54.35	TG-12205F	57.45
											2.50	TG-12255AF	60.69	TG-12255F	60.90
											3.00	TG-12305AF	72.82	TG-12305F	76.73
											4.00	TG-12405AF	79.66	TG-12405F	83.39
							3.670	Offset	2.000	6.000	2.50	TG-12256AF	78.92	TG-12256F	83.47
											4.00	TG-12406AF	110.81	TG-12406F	116.76

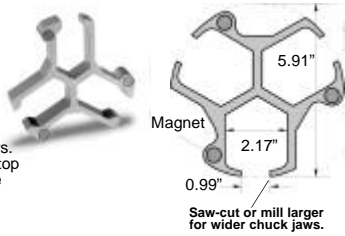
For "Pointed" Soft Jaws, please substitute "P" for "F" in the part number. Example: TG-10200AF will be TG-10200AP. Pointed Jaws: Up to 10" add \$3.25, 12" & over add \$6.50.
Soft Jaw Material: ALUMINUM-6061-T6 Bar Stock, STEEL-1018, "B" JAWS-7075-T6 Aircraft Aluminum
For complete list of applicable chucks, see pages 60-72. * denotes non-stock item. Please allow 1 week manufacturing time.

CHUCK STOPS

Easily locate short parts in a 3-Jaw Chuck!

FEATURES:

- Allows short parts to project past the chuck jaws, providing clearance for facing operations.
- Eliminates the need to bore soft jaws, reducing setup time.
- Front and rear locating surfaces are parallel within ±0.0004".
- 25mm slot width can be milled larger for chucks with wider jaws.
- Interlocking design coupled with three strong magnets holds stop securely in place-much safer than using parallels which can be thrown out by centrifugal force.
- Anodized aluminum finish provides good wear-resistance.

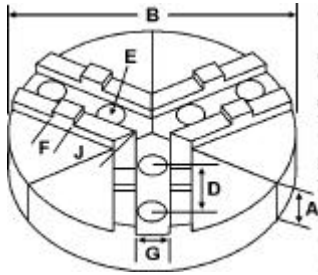


Description	Part Number	Set Price
Standard Set: 15, 20 & 25mm stops	ROY-25200	\$176.40
Deluxe Set: 15, 20, 25, 30 & 35mm stops	ROY-25210	\$307.72

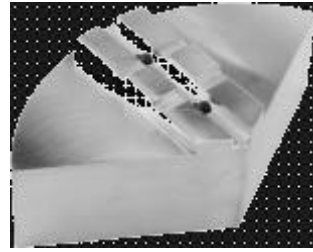
Call Us Or Visit Our Website For Our Complete Selection!

ROUND JAWS- Tongue & Groove

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



- 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

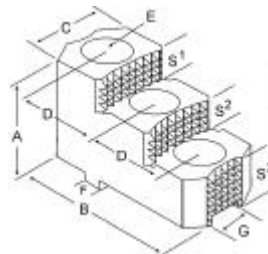


American Standard Tongue & Groove

OFF-CENTER TONGUE			Critical Dimensions							ALUMINUM		CAST IRON	
Group No.	Chuck Size	Type	Groove Width G	Tongue Width F	Screw Size E	Hole Space D	Tongue to Front J	Pie Dia B	Hght Inch A	Part Number	Price Set Of 3	Part Number	Price Set Of 3
TI-50-5/8-30	15	MEDIUM DUTY	0.501	0.749	5/8	3.000	3.370	12	2.00	12-RTG-15200A	177.32	-	-
									4.00	12-RTG-15400A	351.92	-	-
							3.785	15	2.50	RTG-15250A	392.31	RTG-15250CI	447.98
									4.00	RTG-15400A	481.98	-	-
									5.00	RTG-15500A*	753.41	-	-
							4.100	18	2.50	18-RTG-15250A	499.84	-	-
									4.00	18-RTG-15400A	674.80	-	-
							4.550	21	2.50	21-RTG-15250A	719.47	-	-
									4.00	21-RTG-15400A	899.87	-	-
							3.825	24	2.50	24-RTG-15250A	867.50	-	-
4.00	24-RTG-15400A	1252.35	-	-									
TI-50-3/4-30	15	HEAVY DUTY	0.501	0.749	3/4	3.000	3.785	15	2.50	RTG-15255A	392.31	RTG-15255CI	447.98
									4.00	RTG-15405A	481.98	-	-
							4.100	18	5.00	RTG-15505A*	753.41	-	-
									2.50	18-RTG-15255A	499.84	-	-
									4.00	18-RTG-15405A	674.80	-	-
							4.550	21	2.50	21-RTG-15255A	719.47	-	-
									4.00	21-RTG-15405A	899.87	-	-
							3.785	24	2.50	24-RTG-15255A	867.50	-	-
									4.00	24-RTG-15405A	1252.35	-	-
							18 & Up	HEAVY DUTY	0.501	0.748	3/4	3.000	5.100
6.00	12-RTG-18600A*	517.03	-	-									
18	2.50	RTG-18250A	499.84	-	-								
	4.00	RTG-18400A	674.80	-	-								
21	2.50	21-RTG-18250A	719.47	-	-								
	4.00	21-RTG-18400A	899.87	-	-								
24	2.50	24-RTG-18250A	867.50	-	-								
	4.00	24-RTG-18400A	1252.35	-	-								
TI-50-7/8-30	18 & Up	HEAVY DUTY	0.500	0.750	7/8	3.000	5.000	24	4.00	RTG-24400A	1252.35	-	-

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 60-72. * denotes non-stock item. Please allow 1 week manufacturing time.

HARD JAWS-2 STEP



- FEATURES:**
- Designed for first operation roughing, expect standard runout between 0.005-0.010
 - Reversible-suitable for OD & ID workholding.
 - GRIP-RITE-OEM style hard jaws have ground tips and provide better runout.
 - XTRA BITE -very aggressive bite. Has conical teeth for extra gripping power and ground body to provide improved runout.

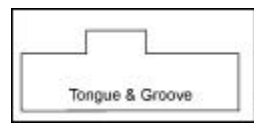
Critical Dimensions															Part Number	Price Per Set	Code
Group	Chuck Size	Type	Groove Width G	Tongue Width F	Screw Size E	Hole Space D	Width Inch C	OAL Inch B	Height Inch A	No. of Holes	No. of Steps	Top Step Ht S1	Mid Step Ht S2	Bot Step Ht S3			
TI-50-5/8-30	15 & UP	MEDIUM DUTY	0.500	0.750	5/8	3.000	1.980	5.392	2.613	2	2	0.551	0.551	1.511	TG-150HJ2-U	\$470.25	E
							2.500	5.350	3.469	2	2	0.950	0.950	1.569	TG-150HJ2-X	\$495.00	E
TI-50-3/4-30	15 & UP	HEAVY DUTY	0.500	0.750	3/4	3.000	2.500	5.350	3.469	2	2	0.950	0.950	1.569	TG-155HJ2-U	\$550.00	E
							2.500	5.350	3.469	2	2	0.950	0.950	1.569	TG-155HJ2-X	\$550.00	E

Call Us Today For All Of Your Machine Tool Needs!

SOFT JAWS- Tongue & Groove

C

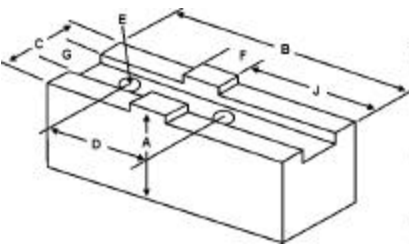
For Use On: Amestra, Buck, Bison, BTC, Cushman, Huron, PBA, Yuasa & Rohm Chucks



- American Standard Tongue & Groove**
- Supplies maximum concentricity on finish turning operations.
 - Can be bored or turned to fit workpiece.
 - Steel jaws can be hardened.
 - Available pointed for smaller diameter parts.
 - Special orders available
 - Available in Aluminum, Steel & Aircraft Aluminum.



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



Group No.	Chuck Size	Type	Critical Dimensions				Tongue to Front J	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-50-5/8-30	15	MEDIUM DUTY	0.501	0.749	5/8	3.000	2.900	Offset	1.750	5.750	1.50	TG-15150AF	80.82	TG-15150F	86.61				
											2.00	TG-15200AF	57.25	TG-15200F	60.65				
											2.50	TG-15250AF	65.95	TG-15250F	69.76				
											3.00	TG-15300AF	77.48	TG-15300F	81.87				
											4.00	TG-15400AF	86.53	TG-15400F	90.97				
											2.000	TG-15252AF	78.95	TG-15252F	83.39				
											3.350	Offset	2.000	6.250	4.00	TG-15402AF	108.15	TG-15402F	113.71
											2.50	TG-15258AF*	75.57	TG-15258F*	78.00				
											5.00	TG-15508AF*	161.98	TG-15508F*	160.75				
											3.50	TG-15359AF*	93.71	TG-15359F*	98.76				
5.00	TG-15509AF*	133.87	TG-15509F*	141.08															
TI-50-3/4-30	15	15" W & S	0.500	0.750	3/4	3.000	3.000	Offset	2.000	5.75	3.50	TG-15359AF*	93.71	TG-15359F*	98.76				
TI-50-3/4-30	15	HEAVY DUTY	0.501	0.749	3/4	3.000	2.900	Offset	1.750	5.750	2.50	TG-15255AF	68.76	TG-15255F	72.77				
3.00											TG-15305AF	71.88	TG-15305F	77.98					
4.00											TG-15405AF	89.32	TG-15405F	94.00					
2.50											TG-15256AF	79.35	TG-15256F	83.39					
4.00											TG-15406AF	108.80	TG-15406F	113.71					
TI-50-3/4-30	18		0.501	0.749	3/4	3.000	3.660	Offset	2.250	6.500	2.50	TG-18250AF	86.28	TG-18250F	90.97				
4.00											TG-18400AF	115.69	TG-18400F	121.29					
5.00											TG-18500AF	104.81	TG-18500F	113.71					
2.50											TG-18252AF	107.51	TG-18252F	113.71					
4.00											TG-18402AF	115.79	TG-18402F	125.63					
5.00											TG-18502AF	208.71	TG-18502F	180.85					
2.50											TG-18256AF	114.51	TG-18256F	121.29					
5.00											TG-18506AF	159.14	TG-18506F	235.52					
3.00											TG-18308AF*	166.96	TG-18308F*	177.74					
5.00											TG-18508AF*	217.09	TG-18508F*	190.22					
TI-50-3/4-30	18	18" W & S	0.500	0.750	3/4	3.000	3.000	Offset	2.500	6.000	3.50	TG-18359AF*	140.25	TG-18359F*	148.37				
5.00	TG-18509AF*	200.36	TG-18509F*	211.97															
TI-50-7/8-30	24	HEAVY DUTY	0.500	0.750	7/8	3.000	4.500	Offset	3.000	7.500	3.00	TG-24300AF	239.79	TG-24300F	232.88				
5.00	TG-24500AF	316.43	TG-24500F	307.19															

For "Pointed" Soft Jaws, please substitute "P" for "F" in the part number. Example: TG-15150AF will be TG-15150AP. For 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 60-72. * denotes non-stock item. Please allow 1 week manufacturing time.

BORING STARS



Set of 4 Boring Stars

- FEATURES:**
- Save set-up time.
 - Obtain any diameter
 - Easily and quickly.
 - Reduces soft jaw costs.
 - Allows straight through boring of soft jaws.

Order Number: JBT-100

\$27.00



ANTI-BACKLASH RING SET



A valuable time saver for your lathes and turning centers! Every ring you will ever need for boring out your soft jaws on one convenient wooden rack.



Description	Number of Rings	Size	Part Number	Price
Standard Set	48	1 to 3-15/16 (1/16 inc.)	AI-220-00	\$246.96
Short Stack	16	1 to 1-15/16 (1/16 inc.)	AI-220-10	\$68.60

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