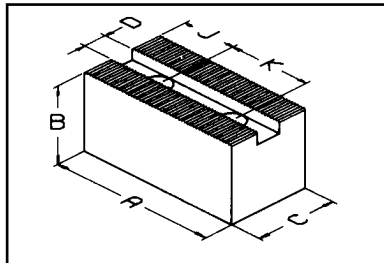
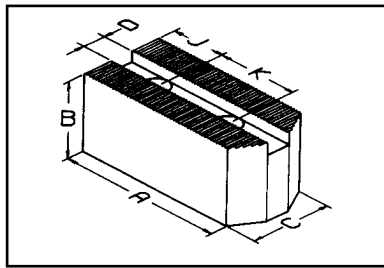


# Serrated Soft Top Jaws

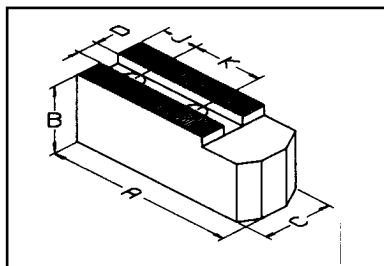
To Suit Hardinge, Howa, Kitagawa, Matsumoto, Pratt Burnerd, Röhms, Schunk & SMW-Autoblok Power Chucks



**TYPE A**



**TYPE B**



**TYPE C**

**1.5m x 60° Serrations**

**Material: 080M15 (En32)  
Black Finish**

Techleader Part No.	A	B	C	D	K + J Bolt	Serrations	Type	Weight Kg/Set
BO 04	48	25	20	8	15 + 8 M6	1.5 mm x 60°	A	0.5
BR 05	55	25	25	10	14 + 10 M8	1.5 mm x 60°	B	0.5
BB 05	55	40	25				B	
DK 05	55	50	25				A	1.1
BH 05	55	60	25				B	
BO 05	57	35	25	10	18 + 10 M8	1.5 mm x 60°	B	0.8
DJ 05	57	50	25	10			A	1.3
CK 05	62	25	25	10	19 + 8 M8	1.5 mm x 60°	B	0.9
DU 05	48	25	25	11	16 + 9.5 M8	1.5 mm x 60°	A	0.7
CK 06	80	35	30	11	25 + 14 M8	1.5 mm x 60°	C	1.4
BO 06	72	38	30	12	20 + 15 M10	1.5 mm x 60°	A	1.6
BB 06	72	40	30				A	
BC 06	72	50	30				A	3.5
DJ 06	72	60	30				A	1.3
PT 06	82	32	30				B	
BP 06	72	38	32	12	20 + 15 M10	3 mm x 60°	A	1.6
BO 08	95	44	35	14	25 + 25 M12	1.5 mm x 60°	A	2.7
BB 08	95	50	35				A	4.0
DJ 08	95	80	35				C	2.2
CK 09	95	44	32	14	25 + 25 M12		C	2.7
PT 08	102	40	35				B	2.9
BP 08	95	44	32	14	25 + 25 M12	3 mm x 60°	A	2.7
DU 08	85	40	40	16	25 + 20 M12	1.5 mm x 60°	A	2.8
DU 09	85	60	40				A	4.0
BO 10	110	40	40	16	30 + 30 M12	1.5 mm x 60°	A	3.4
BO 10L	4.5"	2"	1.50"				A	5.0
DJ 10	110	80	40				A	6.5
BD 10	110	100	40				A	
PT 10	125	40	40				B	4.5
				16	30 + 21 M12			4.2
DK11	110	60	40				C	5.2
BP 10	110	40	40	16	30 + 30 M12	3 mm x 60°	A	3.4

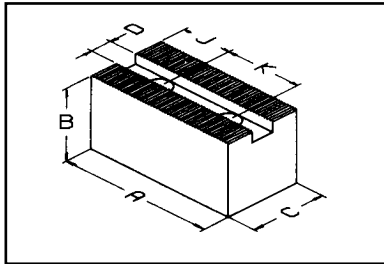
# Serrated Soft Top Jaws

To Suit Hardinge, Howa, Kitagawa, Matsumoto, Pratt Burnerd, Röhm, Schunk & SMW-Autoblok Power Chucks

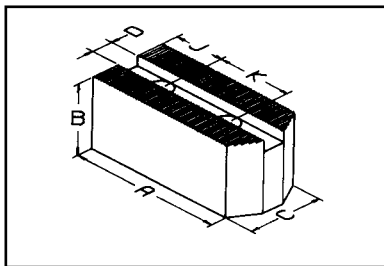
CHUCK Ø	HARDINGE	HOWA	KITAGAWA		MATSUMOTO (MMK)	PRATT BURNERD	RÖHM	SAMCHULLY	SCHUNK AUTOBLOK	SMW	
110			B-04 HOB-4								
105 110 135	4" SURE-GRIP 5" SURE-GRIP	HO1MA4 HO24M5	B204 N-04 HJ-4 B205	AS110	H-4-21		KFD-HE 130 KFN 105	H505			
135			HOB-5 B-05								
135		HO1MA5	HJA-4 N-05		HXA5-6-34 HHXA 5-6 SA 5-6-40						
110 135		HO27M4 HO27M5									
165					HA5-6 HX-6 H-6 ZA-5-6	HH-6 HJ-6 STC-6					
165 170  210	6" SURE-GRIP	HO7MA6 HO15MA6 HO22M6 HO24M6 HO27M6 HO37M6 HO47M6 HO23M8	HJA5-6 AS-165 B-160 B-06 HOH-160 HOH-06 N-160 BL206 HOS-6	N-06 B206 HO-6 NL-06 BT206 HOH206 B-07, BB06 B-106 HG738 165 HOB-6		INTERNATIONAL 9821-31723 9821-21723 HIGH SPEED QUICK CHANGE 9121-21723 9121-31723	KFD-HE 170	HC06 HS06 HST06 HH-206	ROTA NCK 165 HSL 165 ROTA NC165 ROTA NCF 165	BBM 175	
165		HO1MA6									
210	8" SURE-GRIP	HO7MA8 HO15M8	B200 B-08 N-200 AS-210 HOS-8 HJA6-8 HO-8 B-108 HOH-8 N-08	B208 HOB-8 HOH-200 NL-08 BT208 HOH208 HOH108 BB-08 BL208 NL200 HG715-210	HA6-8 HX-8 H-8 HJ-8 HHJ-8 STC-8 ZA6-8-52 ZA6-8-66 N-08	INTERNATIONAL 9821-32123 9821-42123 9827-TORNADO HIGH SPEED QUICK CHANGE 9121-32123 9121-42123	KDF-HE 210          210 KB	HC08 HS08 HST08 HH208 HHF208 HSF08	ROTA NCK 210 HSL 210 ROTA NC210 ROTA NCF 210	BBM 210	
210		HO1MA8									
210		HO27M8 HO47M8 HO24M8 HO22M8 HO37M8 HO7MA10 HO23M10 HO15M10									
254											
250 254 265	10" SURE-GRIP		B250 HOH-250 B210 AS-250 N-10 HJA8-10 HO-10 BT210 UVE-K200 UVE-K250 BL210	B-10 HOH-10 HOB-10 N-250 HJA6-10 HOS-10 NL-10 B-110 HOH110 HOH210 HG730-254	HA6-10 ZA6-10-75 H-10 HHL-10 HHJ-10 HA8-11	HA8-10 HX-10 HH-10 HJ-10 STC-10	INTERNATIONAL 9821-42623 9821-52623 9827-TORNADO HIGH SPEED QUICK CHANGE 9121-42623 9121-52623 265 KB	KFD-HE 254	HC10 HS10 HST10 HSF10	ROTA NCK 250 HSL 250 ROTA NC 250 ROTA NCF 250	BBM 250
254		HO1MA10									

# Serrated Soft Top Jaws

To Suit Howa, Kitagawa, Matsumoto, Pratt Burnerd, Röhm, Schunk & SMW-Autoblok Power Chucks



**TYPE A**



**TYPE B**

**60° Serrations**

**Material: 080M15 (En32)  
Black Finnish**

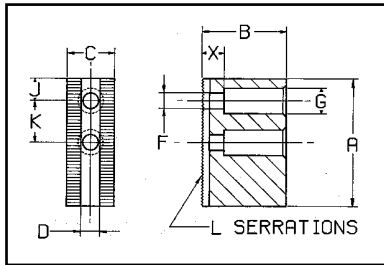
Techleader Part No.	A	B	C	D	K + J Bolt	Serrations	Type	Weight Kg/Set
DU 10	105	40	40	18	30 + 24 M14	1.5 mm x 60°	A	4.4
DU 11	105	60	40				A	6.6
BO 12	130	50	50	18	30 + 40 M14	1.5 mm x 60°	A	6.8
DJ 12	130	80	50				A	10.9
DJ 14	130	100	50				A	13.6
PT 12	145	50	50				B	7.3
BP 12	130	50	50	18	30 + 40 M14	3 mm x 60°	A	6.8
BR 13	130	50	50	21	30 + 40 M16	1.5 mm x 60°	A	6.5
DJ 13	130	80	50				A	11.0
BD 13	130	100	50				A	7.3
PT 13	145	50	50				B	7.3
DU12	111	65	50	21	35 + 25 M16	1.5 mm x 60°	A	7.1
BO 15	165	76	64	22	43 + 37 M20	1.5 mm x 60°	A	15.2
DJ 15	165	127	64				A	25.0
BR 15	135	60	50	25.5	43 + 26 M20	1.5 mm x 60°	A	8.2
CK 15	150	76	64	22	50 + 30 M20	3 mm x 60°	A	13.8
BO 18	180	76	64	25	60 + 40 M20	3 mm x 60°	A	16.5
DJ 18	180	127	64					29.0
BO 24	210	102	76	25	80 + 40 M20	3 mm x 60°	A	32.3

# Serrated Soft Top Jaws

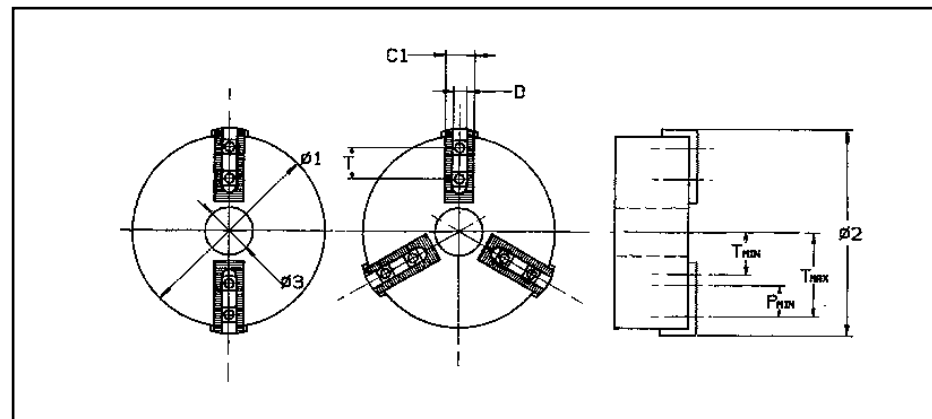
To Suit Howa, Kitagawa, Matsumoto, Pratt Burnerd, Röhm, Schunk & SMW-Autoblok Power Chucks

CHUCK Ø	HOWA	KITAGAWA	MATSUMOTO (MMK)	PRATT BURNERD	RÖHM	SAMCHULLY	SCHUNK AUTOBLOK	SMW
254	HO22M10 HO37M10 HO24M10 HO27M10 HO47M10							
304	HO7MA12 HO23M12 HO15M12							
304 305 381		B300 B-12 HOH-300 HOH-12 N-300 N-12 HOS-12 HO-12 HJA8-12 HOB-12 HJA6-12 HLA6-12 NL-12 HLA8-15 HLA6-15	HA8-12 HX-12 H-12 SH-12 HH-12 HHL-12 HJ-12 HHJ-12 ZA8-12-78 ZA8-12-85	INTERNATIONAL 9821-53123 9821-63123 9827-TORNADO HIGH SPEED QC 9121-53123 9121-63123 305KB		HC12 HCF12	HSL 315  ROTA NCK 315 ROTA NC 315 ROTA NCF 315	
304	HO1MA12							
304 315		B212 BT212 BL212			KFD-HE315	HS12 HST12 HH212 HSF12		BBM 315
304	HO27M12 HO37M12							
380 450		B380 B-15 HOH-380 HOB-15 HOH-15 B-450 B-18 HOB-18		INTERNATIONAL 9821-53823 9821-63823 HIGH SPEED QC 9121-53823 9121-63823		HAH15 HCHF15 HC15 HCF15 HAH18 HCHF18 HC18	ROTA NC 400  ROTA NCF 400	
380		B215, N15, N18						
380 450 450			HA11-15 HHL-15 H-15 HH-15 HA11-18 H-18 HH-18 ZA-15-120				HSL 400	
454 530 610		HJ-450 HJ18 B-530 B-21 HJ-530 HJ-21 HOB-21 N21 B-600 B-24 HJ-610 HJ24 N24 HOB24 UVE-LB500/630				HAH21 HAH24 HC21 HC24 HCHF21 HCHF24		
610		HOB24 HJA24 HJ24 UVE-LB800						

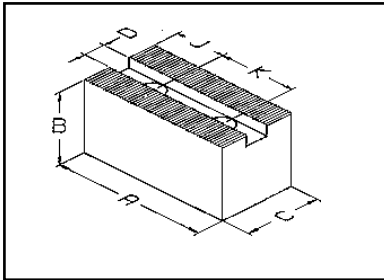
# Serrated Top Jaw and Chuck Data Sheet



		2 JAW CHUCK DATA	3 JAW CHUCK DATA	REMARKS
<b>Chuck Manufacturer / Model No.</b>				
Chuck Ø / Type	ø1			
Maximum Swing Ø	ø2			
Chuck Bore Ø	ø3			
Base Jaw Width	C1			
T-Nut Minimum Position	Tmin			
T-Nut Maximum Position	Tmax			
T-Nuts Minimum Hole Pitch	Pmin			
Are Base Jaw Serrations Above Chuck Face	Yes No			
Are T-Nuts Single or Double	Single Double			
Slot Width	D			
Hole Center Spacing	K			
Hole Center To Back of Jaw	J			
Counterbore / Hole Ø	G/F			
Depth Under Bolt Head	X			
Serration Pitch & Angle	L			
Length Of Jaw	A			
Height Of Jaw	B			
Width Of Jaw	C			



# Serrated Soft Top Jaws



**90° Serrations**

**Material: 080M15 (En32)  
Black Finish**

## To suit Berg KH power chucks

Techleader Part No.	A	B	C	D	K + J Bolt	Serrations	Weight Kg/Set	Berg Chuck Type	
CS 14	55	35	22	8	14 +-11 M8	1/16" X90°	0.7	KH 110	
CS 16	70	45	25	10	20 +-15 M10	1/16" X90°	1.4	KH 140-36 / KH 140-45 / KH 160	
CS 18	80	57	32	12	21 +-15 M12	1/16" X90°	3.6	KH 175-56 / KH 200-68	
CS 20	90	57	32	12	21 +-15 M12	1/16" X90°	3.8	KH 175-56 / KH 200-68	
CS 25	111	60	40	16	29 +-18 M16	1/16" X90°	4.7	KH 250-91/ KH 315-117	
CS 40	150	80	50	20	38 +-31 M20	3/32"X90°	8.4	KH 400 / KH 500 / KH 630	

## To suit Schunk & SMW-Autoblok pneumatic power chucks

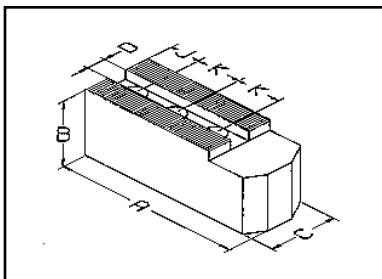
Techleader Part No.	A	B	C	D	K+J Bolt	Serrations	Weight Kg/Set	Chuck Type	
								SMW-Autoblok	Schunk
CO 13	68	40	30	11	18 +21 M8	1/16" X90°	1.6	SP 125 / STP 125 / STWP 125	TP 125
CO 16	88	51	32	14	25+25 M10	1/16" X90°	2.9	SP 160 / STP 160 / STWP 160	TP 160
CO 20	98	50	40	17	29+25 M12	1/16" X90°	4.0	SP 200 / STP 200 / LP 205 / STWP 200	TP 200
CO 25	108	70	50	21	30+28 M14*	1/16" X90°	8.0	SP 250 / STP 250 / LP 250 / STWP 250 SP 315 / STP 315 / LP 305 / STWP 315	TP 250 TP 315
CO 32	120	70	50	21	30+28 M14*	1/16" X90°	10.1	SP 315 / STP 315 / LP 305 / STWP 315	TP 315
CO 35	132	70	50	21	30+28 M14*	1/16" X90°	11.5	SP 315 / STP 315 / STWP 315	

\* Please note, for 250mm Chucks upwards after mid 1997 bolt sizes changed to M16. Please specify.

## To suit Schunk & SMW-Autoblok big bore power chucks

Techleader Part No.	A	B	C	D	K+J Bolt	Serrations	Weight Kg/Set	Chuck Type	
								SMW-Autoblok	Schunk
CP 40	158	76	64	25.5	40+35 M18*	3/32" X90°	15.0	BB400 / BB400-ES / STP 400 / LP 380-460	TB 400
CP 50	185	76	64	25.5	40+35 M18*	3/32" X90°	18.0	BB500 / BB500-ES / BB630-ES265 STP 500 / LP 500	TB 500
CP 63	240	102	76	30	64+40 M24	3/32" X90°	35.0	BB630 / BB630-ES-ES325 / STP 630	TB 630
CP 80	300	102	76	30	64+40 M24	3/32" X90°	43.0	BB800 / BB1000 / STP 800	TB 800 TB 1000

\* Please note, after mid 1997 M18 bolt sizes change to M20. Please specify.

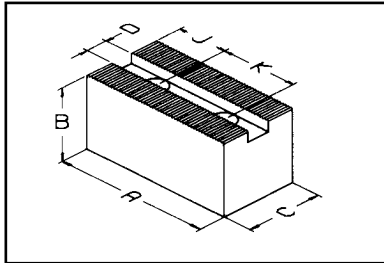


**90° Serrations**  
**Material: 080M15 (En32)  
Black Finish**

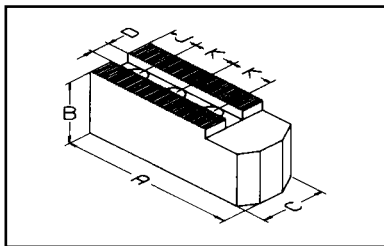
## To suit Gamet power chucks

Techleader Part No.	A	B	C	D	K + J Bolt	Serrations	Weight Kg/Set	Gamet Chuck Type	
BU 06	77	35	30	11	20 +-9 M8	1/16" X90°	1.3	160 N / 160 MO / 160 GP	
BU 08	102	44	32	14	22 +-10 M10	1/16" X90°	2.6	215 N / 215 MO / 215 GP	
BU 11	130	51	44	20	30 +-13 M12	1/16" X90°	5.4	250/280 N / 280 MO / 280 GP	
BU 14	170	65	50	21	40 +-22 M16	1/16" X90°	10.0	350 N / 350 MO / 350GP	

# Serrated Soft Top Jaws



**TYPE A**



**TYPE B**

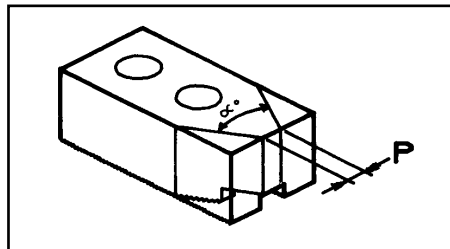
**60° Serrations**

**Material: 080M15 (En32)  
Black Finish**

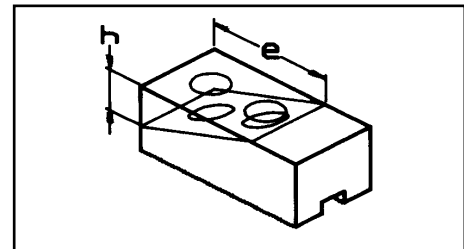
**To suit Gamet, Nikko and Röhm Power Chucks**

Techleader Part No.	A	B	C	D	K+J Bolt	SERRATIONS	TYPE	WEIGHT KG/set	GAMET	NIKKO	RÖHM
DL10	53	30	20	10	15+9 M8	1.5 x 60°	A	0.6	105 N 105 MO	HF-4	KFD-HE 130 KFN 105
DL 16	67	40	30	11	20+17 M8	1.5 x 60°	A	1.6	140 DE 160 GO 160 N 170 MF	GO-6 HDM-165 HF-6AB D-170	KFN 160 KFM 160
BT06	77	35	30		20+9 M8		B	1.3	160 MO 130 N 130 MO	HG-6AB MO 6	KFG 160 KFE 170
DL 22	89	57	32	14	26+18 M10	1.5 x 60°	A	3.1	170 DE 215 MF 215 N	GO-8 MO-8 HF-8 MAC 165	KFN 215 KFM 215
BT 08	102	44	32		22+10 M10		B	2.6	215 MO 215 GO	HG-8 HDM 215	KFG 215 KFE 215
DL 28	89	57	44	20	26+18 M12	1.5 x 60°	A	4.1	250 N 280 N	GO-10 HDM 250 GO-12 HDM 300	KFN 250/280 KFM 280
BT 10	117	51	44		30+13 M12		B	4.9	280 MO 280 GO	HF-10 MO-10 HF-12 MO-12	KFG 280 KFE 280
BT 11	130	51	44		30+13 M12		B	5.4	280 MF	HG-10	
DL 35	120	80	50	21	28+25 M16	1.5 x 60°	A	9.4	350 N 350 MO 350 GO 350 MF	HF-14 MAC 250 HF-16 MAC 315	KFN 350 KFM 350
BT 14	170	65	50		40+22 M16		B	10.0		HDM 250 MO-14 HDM 380	KFG 350 KFE 350

**Pointed or Weight Reduced Soft Jaws**



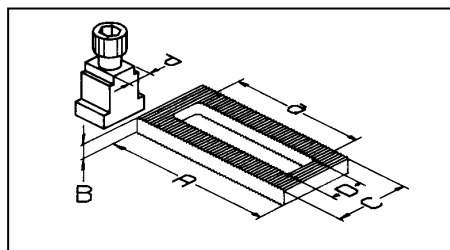
**A. Pointed 60° or 120° Inclusive oc°**



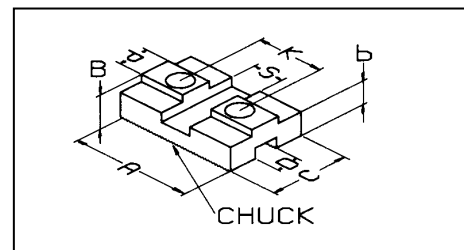
**B. Rectangular Weight Reduced**

Any standard soft jaw can be pointed or weight reduced, please give the following information:  
1. Quantity of sets required. 2. Techleader Part No. 3. Modification required. 4. Relevant dimensions.

**Conversion Plates**



**A. Serration to Serration**

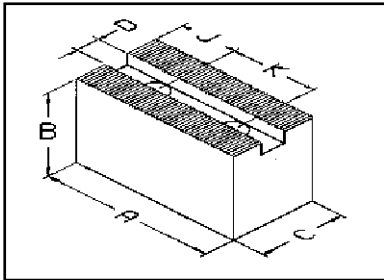


**B. Serration to Slot/Tenon**

Allows different top jaws to be used with base jaws of another configuration. Please contact our sales office for a quotation.



# Serrated Soft Top Jaws



**90° Serrations**

**Material: 080M15 (En32)  
Black Finish**

## To suit SMW-Autoblok large & extra large open Center power chucks

Techleader Part No.	A	B	C	D	K + J Bolt	Serrations	Weight Kg/Set	Autoblok Chuck Type Pratt	
CL 12	60	32	32	12	16 +-15 M8	1/16" X90°	1.0	130 BHD 125 ALD	140 BBD 125AND
CH 17	70	38	32	14	16.5+16 M10	1/16" X90°	1.3	165 BHD, BHD/FC 165 ALD	175BBD RCD 165 165 AND
CH 21	90	40	40	17	23 +-20 M12	1/16" X90°	2.8	210 BHD, BHD/FC 210 ALD	210 BBD RCD 210 210 AND
CH 25	110	44	44	21	30 +-20 M16	1/16" X90°	3.8	250 BHD, BHD/FC 250 ALD	250 BBD RCD 250 250 AND
CH 32	125	50	50	21	30 +-20 M16	1/16" X90°	5.5	315 BHD, BND/FC 315 ALD	315 BBD RCD 315 315 AND

## To suit Pratt Burnerd closed/open Center wedge power chucks

Techleader Part No.	A	B	C	D	K+J Bolt	Serrations	Weight Kg/Set	Pratt Chuck Type				
BJ 16	62	32	25	12.7	17.5+14 M8	1/16" X90°	1.2	160 TYPES	1160-/	1140-/	1141-/	1180-
BJ 20	71	44	32	14.3	20.6+16 M10	1/16" X90°	2.1	200 TYPES	1160-/	1140-/	1141-/	1180-
BJ 25	83	50	40	15.9	23.8+17 M12	1/16" X90°	3.0	250 TYPES	1160-/	1140-/	1141-/	1180-
BJ 32	108	57	44	17.4	31.8+24 M14	1/16" X90°	5.2	315 TYPES	1160-/	1140-/	1141-/	1180-
BJ 40	124	65	50	20.6	38.1+24 M16	1/16" X90°	8.3	400 TYPES	1160-/	1140-/	1141-/	1180-
BJ 50	146	80	50	25.4	44.5+29 M20	3/32" X90°	12.6	500/630 TYPES	1160-/1140-/	1141-/	1180-	

## To suit Pratt Burnerd constant grip power chucks

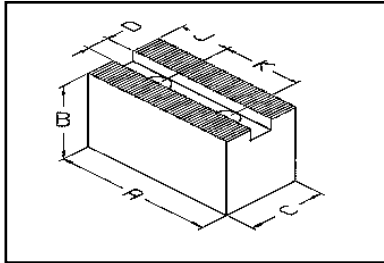
Techleader Part No.	A	B	C	D	K + J Bolt	Serrations	Weight Kg/Set	Pratt Chuck Type			
BL 16	50	38	32	15	20.6+11 M10	1/16" X90°	1.0	160 TYPES	1770-/	1771-/	1772-
BL 20	64	40	40	17	25.4+13 M12	1/16" X90°	1.6	200 TYPES	1770-/	1771-/	1772-
BL 25	80	50	40	17	25.4+13 M12	1/16" X90°	2.8	250 TYPES	1770-/	1771-/	1772-
BL 32	105	57	44	21	31.8+17 M16	1/16" X90°	5.0	315 TYPES	1770-/	1771-/	1772-
BL 40	124	65	50	21	31.8+17 M16	3/32" X90°	8.4	380 TYPES	1770-/	1771-/	1772-

## To suit Pratt Burnerd self contained (up to 89) power chucks

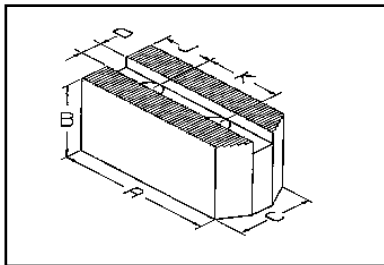
Techleader Part No.	A	B	C	D	K + J Bolt	Serrations	Weight Kg/Set	Pratt Chuck Type			
BK 16	62	40	25	13	18+14 M8	1/16" X90°	1.1	160 TYPES	1740-/1730-/	1742-/1744-/	1157-
BK 20	76	44	32	17	22+16 M10	1/16" X90°	2.2	200TYPES	1740-/1730-/	1742-/1744-/	1157-
BK 25	89	60	40	21	25+19 M12	1/16" X90°	3.7	250 TYPES	1740-/1730-/	1742-/1744-/	1157-
BK 32	105	60	40	21	30+22 M12	1/16" X90°	4.5	315 TYPES	1740-/1730-/	1742-/1744-/	1157-



# Serrated Soft Top Jaws



**TYPE A**



**TYPE B**

**90° Serrations**

**Material: 080M15 (En32)  
Black Finish**

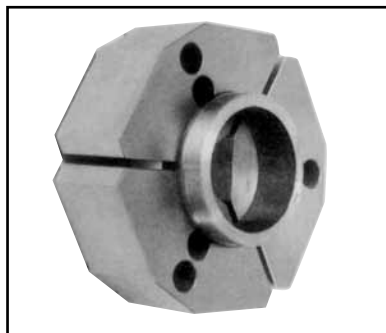
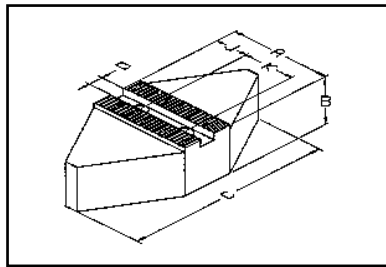
Techleader Part No.	A	B	C	D	K + J Bolt	Serrations	Type	Weight Kg/Set
BV 13	52	25	25	12	14 + 8 M8	1/16 x 90°	A	1.0
RD 13	55	38	32	12	16 + 10 M8	1/16 x 90°	A	1.2
CL12	60	32	32		16 + 15 M8		A	1.0
BV 16	72	38	32	12	20 + 10 M10	1/16 x 90°	A	1.4
CL 17	80	38	32	14	20 + 19 M10	1/16 x 90°	A	2.2
BM 16	65	40	40	17	22 + 15 M12	1/16 x 90°	A	1.3
BN 70	70	60	40				A	2.7
BN 75	80	40	40				B	2.5
BL 20	64	40	40	17	25.4 + 13 M12	1/16 x 90°	A	1.6
BL 25	80	50	40				A	2.8
BN 80	90	40	40		22 + 15 M12		A	2.8
BN 85	90	40	40				B	2.7
BN 90	90	60	40				A	3.7
BL 32	105	57	44	21	31.8 + 16 M16	1/16 x 90°	A	5.0
BM 32	116	65	50				A	7.6
BN 10	120	50	50		28 + 20 M16		A	5.4
BN 11	120	50	50				B	5.3
BN 12	120	80	50		28 + 20 M16		A	9.4
BN 14	140	50	50				A	6.3
BN 15	140	50	50				B	6.2
BN 13	140	89	64	25.5	35 + 30 M20	1/16 x 90°	A	15.0
BM 40	152	76	64	25.5	44.5 + 20 M20	3/32 x 90°	A	14.3
BN 23	155	89	64		35 + 30 M20		A	17.4
BJ 50	146	80	50	25.4	44.5 + 29 M20	3/32 x 90°	A	12.6
CL 50	160	76	64	28	38 + 25 M20	3/32 x 90°	A	14.5

# Serrated Soft Top Jaws

To suit Autoblok, Forkardt, Gamet, Pratt Burnerd, Röhm, Schunk, SMW-Autoblok & SMW Power Chucks

AUTOBLOK & SMW-AUTOBLOK	FORKARDT	GAMET	PRATT BURNERD	ROHM	SCHUNK	SMW
			125 INTERNATIONAL 150 KB INTERNATIONAL			
IND 125 AND 125 ALD 125 GHDN 125	KTH 130/140		170 KB INTERNATIONAL	KFD 130 KFH 140	HSG 160-46	KDV 130 KMA 140 KMAF 140
			135 HYD. FRONT END 165 INTERNATIONAL 165 HIGH SPEED Q.C.			
IDN 170, HDB 170 IDL 170 HDN 170 GHDN 165 GHD/FC 165 AND 165, ALD 165		MAC 165/170 DE 170 GA 160/170			TP 160	SP 160
IDN 200/220 IDL 200 HDN 200/220 HDL 200 GHDN 210 CD 200 GHD/FC 210 HDB 220 AND 210 ALD 210	3KGF 160/175/200 KTG 160/200 KTN 160/200 3KGF 160/175/200 KS 160/200/250 KL 160/200 KSPS 160/200 KSF 175/200 3KTGF 200 KSHF 200 UVE 160/200/250 KP 200 KG 200 3NHf 200 3NH 200 KSH 160/200 KLNC 200 KT 160/200 KTF 200 KTH 200/250/315 QLC 175	MAC 200 MAC 220 DE 210 GA 210	160 INTERNATIONAL (UP TO 89) 160 HIGH SPEED Q.C. (UP TO 89) 165 HYD. FRONT END 210 INTERNATIONAL 210 HIGH SPEED Q.C. 210 KB INTERNATIONAL 210 KB HIGH SPEED Q.C.	KFH 160/200 KFH-NC 160/200 KFH-F 160/200 KFH-G 160/200 KFD-HF 160/200 KFD-HE 160/200 KFD-HS 200 SPD 160/200 SPO 160/215 KFD-AF 160	THF 165-37 TH 165-37 HGS 200-66 HSL 165-37 ROTA NC 165 ROTA NCF 160 ROTA NCO 165	HFKS 160/200 KDV 160/200/250 KDVG 160/200/250 KDM 160/200 KDMF 160/200/250 KMA 160/200/250 KMAF 160/200/250 KFV 160/200 SP 200 KFMF 160/200 HFK 160/200
IDN 200/220 IDL 200 HDN 200/220 HDL 200 GHDN 210 CD 200 GHD/FC 210 HDB 220 AND 210 ALD 210	3KGF 200 KTG 200 3KGF 200 KTN 200 KS 200/250 KSH 200 KL 200 KSF 200 3KTGF 200 KSHF 200 UVE 200/250 KG 200 KSPS 200 3NHf 200 KSHF 250-55 (INDEX) 3NH200 3NHf 250-65 (INDEX) 3NHf 290-104 (INDEX) KL 250 MO KS 250 MO KLNC 200 KP 200 KT 200 KTH 200/250/315 QLC 210	MAC 200 MAC 220 DE 210 GA 210	200 INTERNATIONAL (UP TO 89) 200 HIGH SPEED Q.C. (UP TO 89) 210 HYD. FRONT END 250 HIGH SPEED Q.C. (UP TO 89) 254 INTERNATIONAL 265 HIGH SPEED Q.C. 265 KB INTERNATIONAL 265 KB HIGH SPEED Q.C.	KFH 200 KFH-NC 200 KFH-F 200 KFH-G-200 KFH-HF 200 KFD-HE-200 KFD-HS 250 KFD-AF 200 SPO 215 SPD 215 KFD 200/250	THF 210-52 TH 210-52 HSG 250-91 HSL 210-52 ROTA NC 210 ROTA NCD 210 ROTA NCF 200 ROTA NCO 200 TP 200	HFKS 200 KDV 200/250 KDVG 200/250 KDM 200 KDM-F 200/250 KMA 200/250 KMA-F 200/250 KFV 200 KFMF 200 HFK 200
IDN 250/315/400 IDL 250/315/400 HDN 250/315/400 HDL 250/315/400 GHDN 250/315/400 CD 250/315 GHD/FC 250/305/400 HDB 300 AND 250 ALD 250 AND 315 ALD 315	KS 315/400 KSH 250/315/400 KG 250/315 KP 250/315 3KTGF 250/315 KT 250/315 UVE 315 KSHF 250/315/400 KTG 250/315 KLNC 250/315 KTN 250/315 KTF 250/315 3NHf 250/315 3NH 250/315 3NHf 290 3NHf 400 (INDEX) KL 250 KSPS 250/300 QLC 250/315	MAC 250 MAC 315 DE 250/260/320 GA 250/315	250 INTERNATIONAL (UP TO 89) 254 HYD. FRONT END 305 HYD. FRONT END 305 INTERNATIONAL 305 HIGH SPEED Q.C. 315 INTERNATIONAL (UP TO 89) 400 HIGH SPEED Q.C. (UP TO 89) 305 KB INTERNATIONAL 305 KB HIGH SPEED Q.C.	KFH 250/315 KFH-NC 250/315 KFH-F 250/315 KFH-G 250/315 KFH-HF 250/315 KFD 250/315 KFD-HF 250/315 KFD-HE 250/315 KFD-HS 315 KFD-AF 250/315 LVE 305 SPO 300 SPD 300	THF 250-71 TH 250-71 THF 315-86 TH 315-86 HSG 315-108 HSL 250-71 HSL 315-91 ROTA NC 250/ 315 ROTA NCD 250/ 315 ROTA NCF 250/ 315 ROTA NCO 250/ 315 TP 250/315	HFK 250/315 HFKS 250/315 KDV 315/400 KDVG 315/400 KDM 250/315/400 KMA-F 315/400 KMA 315/400 KMA-F 315
	KL 300 KSHF 560	MAC 380				
IDN 500/630/800 IDL 500/630/800 GHDN 500/610/640/800 ALD 400 AND 400	KS 500/620 KSH 500 KSL 630 KSHF 630 3KTGF 400/500 UVE 400/500/630/800 KTG 400/500 KTN 400/500 KG 400/500 3NHf 400/500/630 3NH 400/500/630 KL 400/500 KLNC 400/500 KP 400 KT 400/800 KTF 400/500 QLC 400	DE 400	400 INTERNATIONAL (UP TO 89) 400 HYD. FRONT END 500 HYD. FRONT END	KFH 400/500 KFH-F 400/500 KFH-G 400/500 KFH-NC 400/500 KFD 400/500/630/800 KFD-H 400/500 KFD-HF 400/500 KFD-HS 400/500 LVE 400/500/630/1000 KFL 500/630	THF 400-120 TH 400-120 THF 500-160 TH 500-160 TH 630-180 HSG 400-176 HSG 500-165 HSL 400-120 ROTA NC 400 ROTA NCD 400 ROTA NCF 400 ROTA NCO 400	HFK 400/500 HFKS 400/500 KDV 500 KDVG 500 KDM 500 KFV 400/500/630/800
			380 INTERNATIONAL 380 HIGH SPEED Q.C.			
IDN 500/630/800 IDL 500/630/800 GHDN 500/610/640/800 HDL 500/630/800 HDW/FC 500/630						

# Serrated Diamond Soft Top Jaws



**90° Serrations**

**Material: 080M15 (En32)  
Material: Aluminum HE30TF  
Black Finish**

Techleader Part No.	A	B	C	D	K + J Bolt	Serrations	Weight Kg/Set
CM 16 STEEL	60	60	120	17	22 + 15 M12	1/16 X 90°	9.0
HL 16 ALUMINUM	64	64	120				3.2
CM 20 STEEL	76	64	150	17	22 + 15 M12	1/16 X 90°	14.0
HL 20 ALUMINUM	76	64	150				5.0
CM 25 STEEL	89	64	170	17	22 + 20 M12	1/16 X 90°	20.0
HL 25 ALUMINUM	89	64	170				7.0
CM 26 STEEL	89	64	170	21	28 + 20 M16	1/16 X 90°	20.0
HL 26 ALUMINUM	89	64	170				7.0
CM 32 STEEL	118	76	240	21	28 + 30 M16	1/16 X 90°	28.0
HL 32 ALUMINUM	118	76	240				10.0
CM 40 STEEL	152	76	280	25.5	M20		
HL 40 ALUMINUM	152	76	280				

# Serrated Diamond Soft Top Jaws

To suit Autoblok, Forkardt, Gamet, Pratt Burnerd, Röhme, Schunk, SMW-Autoblok & SMW power chucks

AUTOBLOK	FORKARDT	GAMET	PRATT BURNERD	ROHM	SCHUNK	SMW
	3KGGH 160/175 KL 160, KSH 160 3KGGHF 160/175 KS 160, KSPS 160 KG 160, KSF 175 UVE 160 KTG 160, KTN 160 3KTH 160-46/175-46 QLC 175		160 INTERNATIONAL (UP TO 89) 160 HIGH SPEED Q.C. (UP TO 89) 165 HYD. FRONT END	KFH 160, KFD 160 KFH-NC 160 KFH-F 160 KFH-G 160 KFD-HF 160 SPD 160 SPO 160	THF 165-37 TH 165-37 HSL 165-37 ROTA NC 165 ROTA NCF 160 ROTA NCO 165	HFS 160 HFKS 160 KDV 160 KDVG 160 KDV 160
IDN 200/220 IDL 200 HDN 200/220 HDL 200 GHDN 210  CD 200 GHD/FC 210 HDB 220	3KGGH 200, KL 200 3KGGHF 200, KSF 200 KS 200, KSH 200 3KTGF 200, KSPS 200 UVE 200, KSHF 200  KG 200, KLNC 200 3NHF 200, KP 200 3NH 200 KTG 200, KTN 200 3KTH 200-66	MAC 200 MAC 220 DE 210	210 NEW INTERNATIONAL 210 NEW HIGH SPEED Q.C. 200 INTERNATIONAL (UP TO 89) 210 HYD. FRONT END 200 HIGH SPEED Q.C. (UP TO 89)  210 KB INTERNATIONAL 210 KB HIGH SPEED Q.C.	KFH 200 KFH-NC 200 KFH-F 200 KFH-G 200 KFH-HF 200  KDF 200 SPD 215 SPO 215	THF 210-52 TH 210-52 HSG 200-66 HSL 210-52 ROTA NC 210  ROTA NCF 210 ROTA NCD 210 ROTA NCO 200 TP 200	HFK 200 HFKS 200 KDV 200 KDVG 200 KDV 200
	QLC 210 KS 250 UVE 250 3NHF 250-65 3NHF 290-104 KL250 MO KS250 MO KSHF 250-55		254/265 NEW INTERNATIONAL 254 NEW HIGH SPEED Q.C. 250 HIGH SPEED Q.C. (UP TO 89) 265 KB INTERNATIONAL 265 KB HIGH SPEED Q.C.	KFL 250	HSG 250-91	KDV 250 KDVG 250
IDN 250 IDL 250 HDN 250 HDL 250 GHDN 250 GHD/FC 250 HDB 300 CD 250	KTG 250, KTN 250 3KTGF 250, KSH 250 KG 250, KP 250 3NHG 250, 3NH 250 3NHF 290, KLNC 250 KSHF 250, KL 250 KSPS 250 QLC 250	MAC 250 DE 250/260	250 INTERNATIONAL (UP TO 89) 254/305 HYD. FRONT END 305 NEW INTERNATIONAL 305 NEW HIGH SPEED Q.C. 305 KB INTERNATIONAL 305 KB HIGH SPEED Q.C.	KFH 250 KFH-NC 250 KFH-F 250 KFH-G 250 KFD 250 KFD-HF 250	THF 250-71 TH 250-71 HSL 250-71 ROTA NC 250 ROTA NCF 250 ROTA NCD 250 ROTA NCO 250 TP 250	HFK 250/270 HFKS 250 KDV 250 KDVG 250 KDV 250
IDN 315/400 IDL 315/400 HDN 315/400 HDL 315/400 GHDN 315/400 CD 315 GHD/FC 305/400	KS 315/400 KTG 315, KTN 315 3KTGF 315, KP 315 UVE 315, KSPS 300 KG 315, KLNC 315 3NHF 315, 3NH 315  KSH 315/400 KSHF 315/400 3NHF 400	MAC 315 DE 320	315 INTERNATIONAL (UP TO 89) 315/400 HIGH SPEED Q.C. (UP TO 89)	KFH 315 KFH-NC 315 KFH-F 315 KFH-G 315 KFD-HF 315 KFD-315 KFL 315 SPD 300 SPO 315	THF 315-86 TH 315-86 HSG 315-108 HSL 315-91 ROTA NC 315 ROTA NCD 315 ROTA NCF 315 ROTA NCO 315 TP 315	HFK 315 HFKS 315 KDV 315/400 KDVG 315/400 KDV 315/400
IDN 500/630/800 IDL 500/630/800 GHDN 500/610/640/800 ALD 400 AND 400	QLC315 KS 500/620 KSH 500 KTG 630, KSJHF 630 3KTGF 400/500 UVE 400/500/630/800 KTG 400/500 KTN 400/500 KG 400/500 3NHF 400/500/630 3NH 400/500/630 KL 400/500 KLNC 400/500/ KP 400 KT 400/800 KTF 400/500 QLC 400	DE 400	400 INTERNATIONAL (UP TO 89) 400 HYD FRONT END 500 HYD FRONT END	KFH 400/500 KFH-F 400/500 KFH-G 400/500 KFH-NC 400/500 KFD 400/500/630/800 KFD-H 400/500 KFD-HF 400/500 KKFD-HS 400/500 LVE 400/500/630/1000 KFL 500/630	THF 400-120 TH 400-120 THF 500-160 TH 500-160 TH 630-180 HSG 400-176 HSG 500-165 HSL 400-120 ROTA NC 400 ROTA NCD 400 ROTA NCF 400 ROTA NCO 400	HFK 400/500 HFKS 400/500 KDV 500 KDVG 500 KDM 500 KDV 400/500/630/800

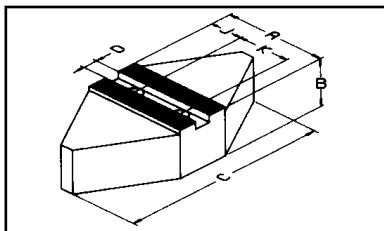
# Serrated Diamond Soft Top Jaws

To suit Howa, Kitagawa, Matsumoto, Pratt Burnerd, Röhm & Schunk Power Chucks

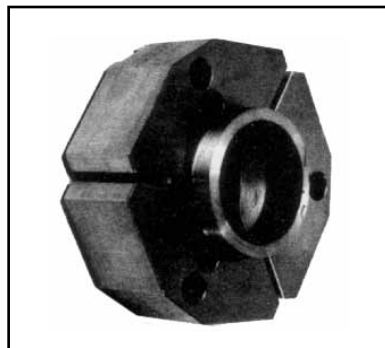
Techleader Part No.	A	B	C	D	K+J Bolt	SERRATIONS	WEIGHT KG/set	HOWA	KITAGAWA	MATSUMOTO MMK	PR11 BURNRED	Röhm	SCHUNK
CN 16 STEEL	60	60	120	12	20+15 M10	1.5 X 60°	9.0	HO1MA6 HO7MA6 HO15M6	AS-65 B-160 B-06	B206 HO-6 HOH-160	INTERNATIONAL 9821-21723 9821-31723	KFD-HE 170	HSL 165-37 ROTA NCK 165
HN16 ALUMINUM	64	64	120				3.2	HO22M6 HO27M6 HO37M6	HOB-6 HOS 6 N-160	HOH-6 HJA5-6 N-6	HIGH SPEED QUICK CHANGE 9121-21723 9121-31723		ROTA NC 165 ROTA NCK 165
*AKT6FG ALUMINUM	2"								BB-06 HG738-165	BL-206			
CN 20 STEEL	76	64	150	14	25+15 M12	1.5 X 60°	14.0	HO7MA8 HO15M8	B200 B-08 N-200	B208 HOB-8 HOH-200	INTERNATIONAL 9821-32123 9821-42123	KFD-HE 210	HSL 210-52
HN 20 ALUMINUM	76	64	150				5.0		N-08 AS-210 HOS-8	HOH-8 NL-08 HOH 208	HIGH SPEED QUICK CHANGE 9121-32123 9121-42123 210 KB		ROTA NCK 210 ROTA NC 210 ROTA NCF 210
*AKT8FG ALUMINUM	2"								HJA6-8 HO-8	BL-208 HG-715-210			
CN 25 STEEL	89	64	170	16	30+20 M12	1.5 X 60°	20.0	HO7MA10 HO15M10	B250 HOH-250 B210	B-10 BL 210 HOH-10	INTERNATIONAL 9821-42623 9821-52623	KFD-HE 254	HSL 250-71
HN 25 ALUMINUM	89	64	170				7.0		AS-250 N-10 HJA8-10	HOB-10 N-250 HJA6-10	HIGH SPEED QUICK CHANGE 9121-42623 9121-52623 265 KB		ROTA NCK 250 ROTA NC 250 ROTA NCF 250
*AKT10FG ALUMINUM	2"								HO-10 HG730 254	HOS-10 NL-10			
CN 32 STEEL	118	76	240	18	30+30 M14	1.5 X 60°	28.0	HO7MA12 HO15M12 HO27M10 HO37M10	B300 HOH-300 N-300	B-12 HOH-12 N-12	INTERNATIONAL 9821-53123 9821-63123		HSL 315-91
HN 32 ALUMINUM	118	76	240				10.0		HOS-12 HJA8-12 HJA6-12 HLA6-12 NL-12	HO-12 HOB-12 HLA8-15 HLA6-16	HIGH SPEED QUICK CHANGE 9121-53123 9121-63123 305 KB		
*AKT12FG ALUMINUM	2.5"									HA8-12 H-12 HH-12 HJ-12 ZA8-12-72 ZA8-12-85	HA8-12 HX-12 HX-10 H-10 HH-10 HJ-10 STC-10 HA8-11		
CN 33 STEEL	118	76	240	21	30+30 M16	1.5 X 60°	28.0		B212			KFD-HE 315	ROTA NCK 315 ROTA NC 315
HN 33 ALUMINUM	118	76	240				10.0						ROTA NCF 315
*AKT212FG ALUMINUM	2.5"												
CN 38 STEEL	152	76	280	22	43+37 M20	1.5 X 60°	48.0		B15				ROTA NC 400
HN 38 ALUMINUM	152	76	280				16.0		B18				ROTA NCF 400

\*THESE JAWS ARE ALUMINUM PIE JAW, MADE FROM A ROUND EXTRUSION.

**IMPORTANT:** Allow for weight of Diamond Jaws at high R.P.M.'s as the grip loss due to the effect of centrifugal forces will be greater.



**60° Serrations**  
**Material: Steel: 080M15 (En32)**  
**Aluminum: HE30TF**



- Can be turned or bored to clamp entire circumference of workpiece
- Choice of steel or aluminum types
- Greater flexibility than pie jaws, can be reversed
- Aluminum diamond jaws - less weight for higher spindle speeds
- Helps stop distortion of thin walled components
- Can be machined to suit irregular parts