



# Shashaco Chucks (P.) Ltd.

CIN No.: U17119GJ1989PTC011895

## TURNER

### MANUFACTURERS & EXPORTERS

SELF CENTERING CHUCKS



INDEPENDENT FOUR JAW CHUCKS



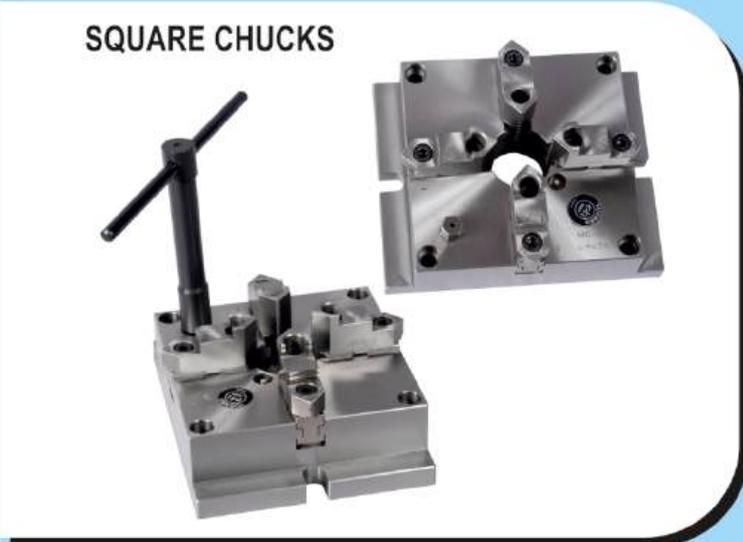
JAW BORING RING



HEAVY DUTY BAR PULLER



SQUARE CHUCKS



BLOCK JAWS FOR VTL MACHINE

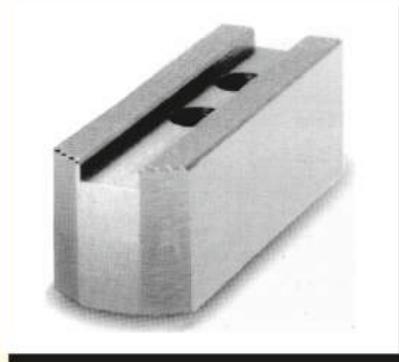




**HARD JAWS**



**SOFT JAWS**



**EXTRA HEIGHTED JAWS**



**TONGUE & GROOVE TYPE JAWS**



**EXTRA LONG JAWS**



**EXTRA WIDE JAWS**



**L-TYPE JAWS**



**PIE JAWS**



**T-NUT**



**D-TYPE BACK PLATE**



**A-TYPE BACK PLATE**



**THREADED-TYPE  
BACK PLATE**





### SELF CENTERING CHUCKS

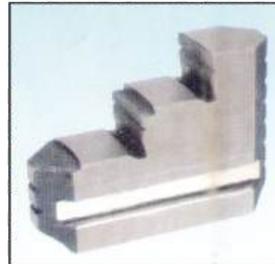


### 4-JAWS INDEPENDENT JAW CHUCK



#### HARD FORWARD JAWS AND HARD REVERSE JAWS :

Hard Jaws are made from forged Alloy Steel for Durability and Strength, Gripping Faces are Ground to get good Accuracy. Jaws are case hardened to 55-60 HRC.



#### HARD REVERSIBLE JAWS :

Jaws are case hardened and ground, proportioned to provide maximum length of contact with lead screw. These are reversible and hardened to 55-60 HRC.



#### SCROLL PLATE :

Scroll Plate is made from forged Alloy Steel, it is hardened to achieve concentricity and accuracy.



#### SCREWS :

Screw threads and jaw threads are precisely cut to have interchangeability and resulting in a smooth movement. It is manufactured from Alloy Steel.



#### PINIONS :

Pinion is made of Alloy Steel, heat treated to obtain high strength and hardness. Compatible with freedom from breakage. Ground bearing diameters.



#### GUIDES PINS :

Guides are hardened to withstand wear and provide long life.

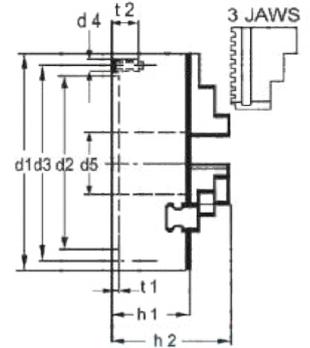


## SCROLL OPERATED SELF CENTERING LATHE CHUCKS

Accuracy Maintained as per IS 2876 (1999)



Technical Diagram



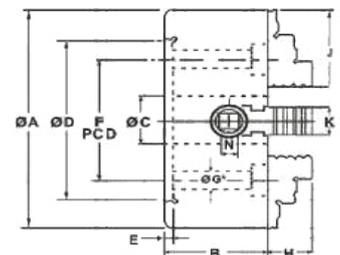
CHUCK	DIMENSIONS									WEIGHT in Kg.		Max. Dia. which can be held	
DIAMETER	d 1	d 2	d 3	d 4	d 5	h 1	h 2	t 1	t 2	3 JAWS	4 JAWS	IN INTERNAL JAWS	IN EXTERNAL JAWS
100	100	76	83	3 x M 8	26	49	68	3	6	2.7	3.0	20	90
4"	4"	3"	3.26"	—	1.02"	1.96"	2.67"	0.11"	0.23"	--	--	0.78"	3.54"
165	165	125	141	3 x M 10	46	65	90	4	10	9.0	9.5	40	135
6.5"	6.5"	5"	5.55"	—	1.81"	2.55"	3.54"	0.15"	0.39"	--	--	1.57"	5.3"
200	200	160	176	3 x M 10	56	76	110	4	10	15.3	15.9	53	160
8"	8"	6.3"	6.92"	—	2.20"	3.0"	4.33"	0.15"	0.39"	--	--	2.06"	6.29"
250	250	200	223	3 x M 12	76	85	125	5	12	25.5	27.5	70	200
10"	10"	8"	8.77"	—	3"	3.34"	5.0"	0.19"	0.47"	--	--	2.75"	7.87"
315	315	265	291	3 x M 12	103	85	130	5	12	42.7	44.0	95	240
12.5"	12.5"	10.43"	11.45"	—	4"	3.34"	5.11"	0.19"	0.47"	--	--	3.74"	9.44"

## INDEPENDENT 4 JAWS LATHE CHUCK

Accuracy Maintained as per IS 10612 (1983)



Technical Diagram



### DIMENSION CHART

A	B	C	D	E	F	G*	H	J	K	Wt. in Kgs.	MIN	MAX
150	75	45	120	6	138	4 X M 10	24	54	24	10	6	150
6"	3"	1.77"	4.725"	0.25"	5.43"	—	0.944"	2.125"	0.944"	—	0.236"	6"
200	85	50	80	6	100	4 X M 10	33	76	30	15	8	200
8"	3.35"	2"	3.15"	0.25"	3.93"	—	1.299"	3.0"	1.18"	—	0.314"	8"
254	85	62	130	8	110	4 X M 10	33	86	30	22	10	254
10"	3.35"	2.44"	5.118"	0.314"	4.33"	—	1.299"	3.38"	1.18"	—	0.394"	10"
305	95	75	160	10	140	4 X M 12	45	100	35	36	12	305
12"	3.74"	3"	6.3"	0.393"	5.51"	—	1.771"	4.0"	1.37"	—	0.472"	12"
355	95	85	160	10	140	4 X M 12	52	111	35	42	14	355
14"	3.74"	3.85"	6.3"	0.393"	5.51"	—	2.0"	4.37"	1.37"	—	0.551"	14"
400	105	102	200	12	175	4 X M 16	60	125	41	63	16	400
16"	4.13"	4"	8"	0.472"	6.88"	—	2.36"	4.92"	1.61"	—	0.638"	16"
450	105	102	200	12	175	4 X M 16	60	125	41	77	18	450
18"	4.13"	4"	8"	12"	6.88"	—	2.36"	4.92"	1.61"	—	0.709"	18"
500	105	102	200	200	175	4 X M 20	65	170	47	115	20	500
20"	4.52"	4.33"	10.23"	0.47"	9.25"	—	2.56"	6.70"	1.85"	—	0.787"	20"
610	115	140	260	12	235	4 X M 20	65	170	47	135	24	610
24"	4.52"	5.50"	10.23"	0.47"	9.25"	—	2.56"	6.70"	1.85"	—	0.945"	24"
650	152	165	254	15	260	4 X M 20	100	175	48	195	26	650
26"	6"	6.5"	10"	0.59"	10.25"	—	4"	6.89"	1.87"	—	1.024"	26"
750	165	190	280	15	260	4 X M 24	100	200	48	290	30	750
30"	6.5"	7.5"	11"	0.59"	10.25"	—	4"	7.87"	1.87"	—	1.181"	30"
900	175	225	315	15	275	4 X M 24	125	225	54	400	36	900
36"	7"	9"	12.5"	0.59"	10.80"	—	5"	8.85"	2.13"	—	1.417"	36"

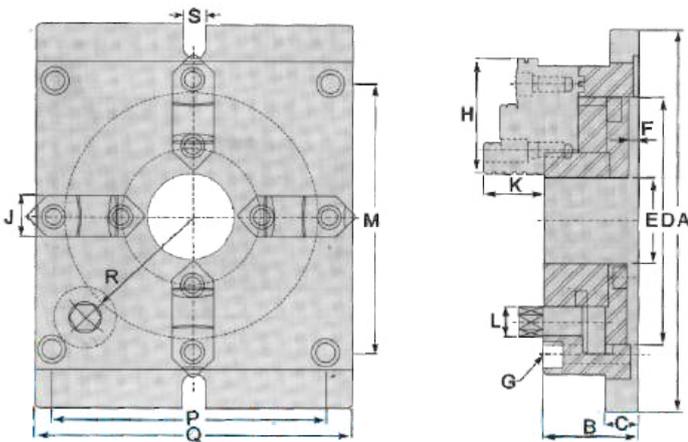
Design, Details, Dimensions and Specifications are subject to change without notice.

**Steel body chucks manufactured on request.**



## SUPER THIN SQUARE CHUCKS

- ◆ The super thin universal Scroll Operated Square Chuck gives greater Z-axis machining & is Ideal for pallet applications.
- ◆ The End Surface Clamping Permits Several Chucks to be mounted on the worktable.
- ◆ Elongated Slots allow fast & easy positioning on the worktable using T-bolts rather than mounting connecting plates.
- ◆ Top Soft Jaws are also available.



SPEC./MODEL	A	B	C	D	E	F	G	H	J	K	L	M	P	Q	R	S	Max. Dia external	Gripped by Internal	kg
SC-6	215	57	18	130	40	5	4-M10	68	26	39	14	144	144	165	66	18	ø4-ø128	ø55-ø128	13.7
SC-8	250	65	20	160	55	5	4-M12	82	28	43	17	174	174	200	83	18	ø5-ø162	ø62-ø162	21.5
SC-10	310	72	22	200	70	6	4-M14	93	32	50	21	218	218	250	103	18	ø6-ø200	ø72-ø200	35.6
SC-12	380	85	25	260	100	7	4-M16	117	40	56	23	274	274	310	135	22	ø10-ø265	ø90-ø265	61.7



## JAW BORING RINGS

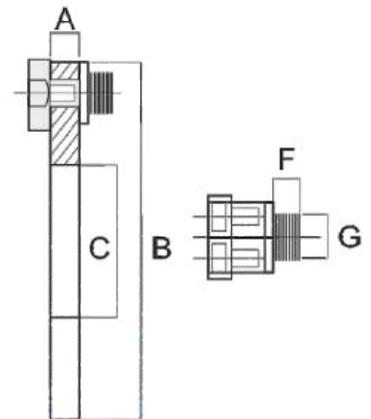
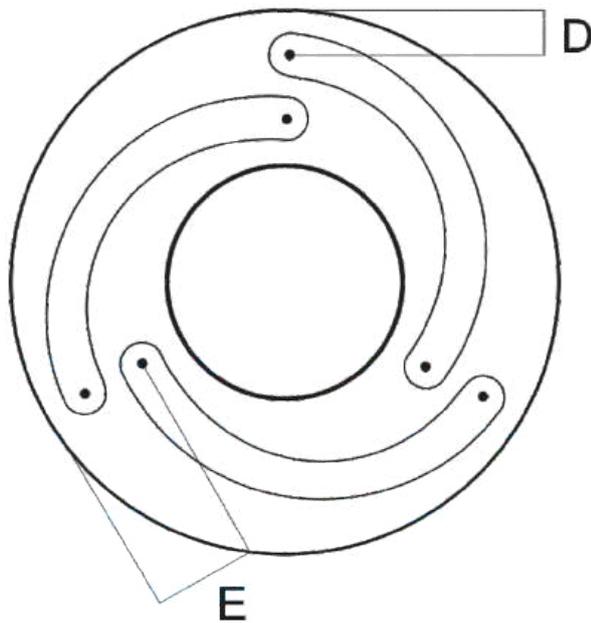
### (BR - TYPE)

#### FEATURE:

For Precision Boring of Soft Jaws

#### The Operation process is as under :

1. Set the Jaw in correct position
2. Adjust the Jaw Boring Rings to fit the bolt holes
3. Lock the chuck to clamp the Jaw Boring rings
4. Machine the required size
5. Unlock the chuck



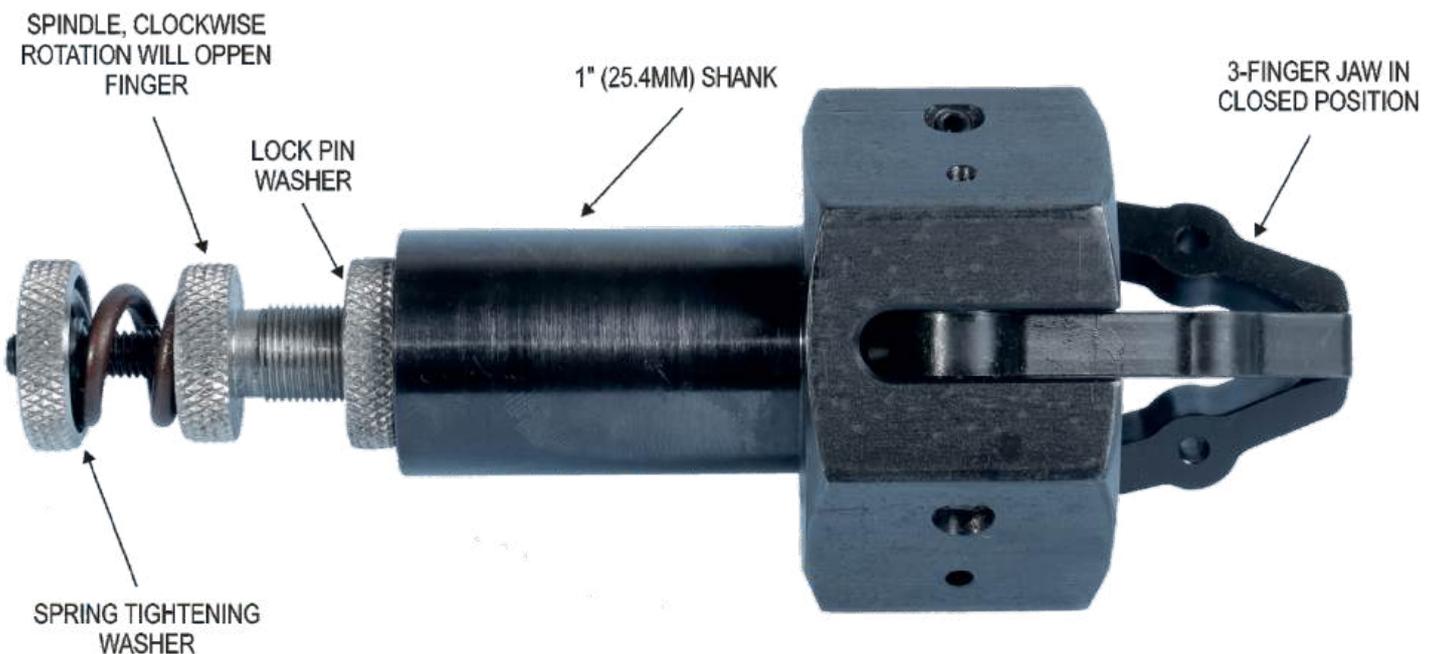
Dimensions in MM								
Product	A	B	C	D	E	F	G	Weight (kg)
BR-5"	12	140	60	12	28	9	13	1.2
BR-6"	12	168	80	12	32	9	16.5	1.5
BR-8"	12	218	115	15	36	9	18.5	2.4
BR-10"	12	258	150	17	40	9	18.5	3.1
BR-12"	15	316	188	21	50	9	22.5	5.4
BR-15"	20	380	230	23	52	16	31	10.1



## SMART BAR PULLER

### Operation :

- Assume 3 fingers Jaws in closed position.
- Open lock pin washer in an anti clockwise direction.
- Spindle is to be rotated in clockwise direction to open 3 fingers Jaws for desire dia. (Slightly lower then clamping diameter)
- Spring and spring tightening washer is used for increasing clamping pressure. (Apply enough pressure by Human finger only)
- Finally tight lock pin washer with shank.



- Shank dia is available in 3/4", 20 mm, 25 mm and 1".
- Easy to use.
- Light in weight.
- Hardened Jaws are self centred.
- Gripping range is from 4 mm to 40 mm
- Compact design is specially for smaller CNC machines
- Jaw hardness is 52 to 55 HRC

## HEAVY DUTY BAR PULLER

### SIZE:

19mm Square,  
20mm Square,  
25mm Square.

**STANDARD BAR** Puller range is for Diameter 4 mm to 70 mm

**JUMBO BAR** Puller range is for Diameter 55 mm to 118 mm

**MAXIMUM BAR** length recommended 1 meter.

### ADVANTAGES OF OUR BAR PULLERS :

1. Gripping Jaws are replaceable when worn out
2. Easy to set up on CNC Lathe machine
3. Increases productivity
4. Large spring provides strong gripping force

**ROUND SHANK AVAILABLE ON REQUEST**



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**Shashaco  
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