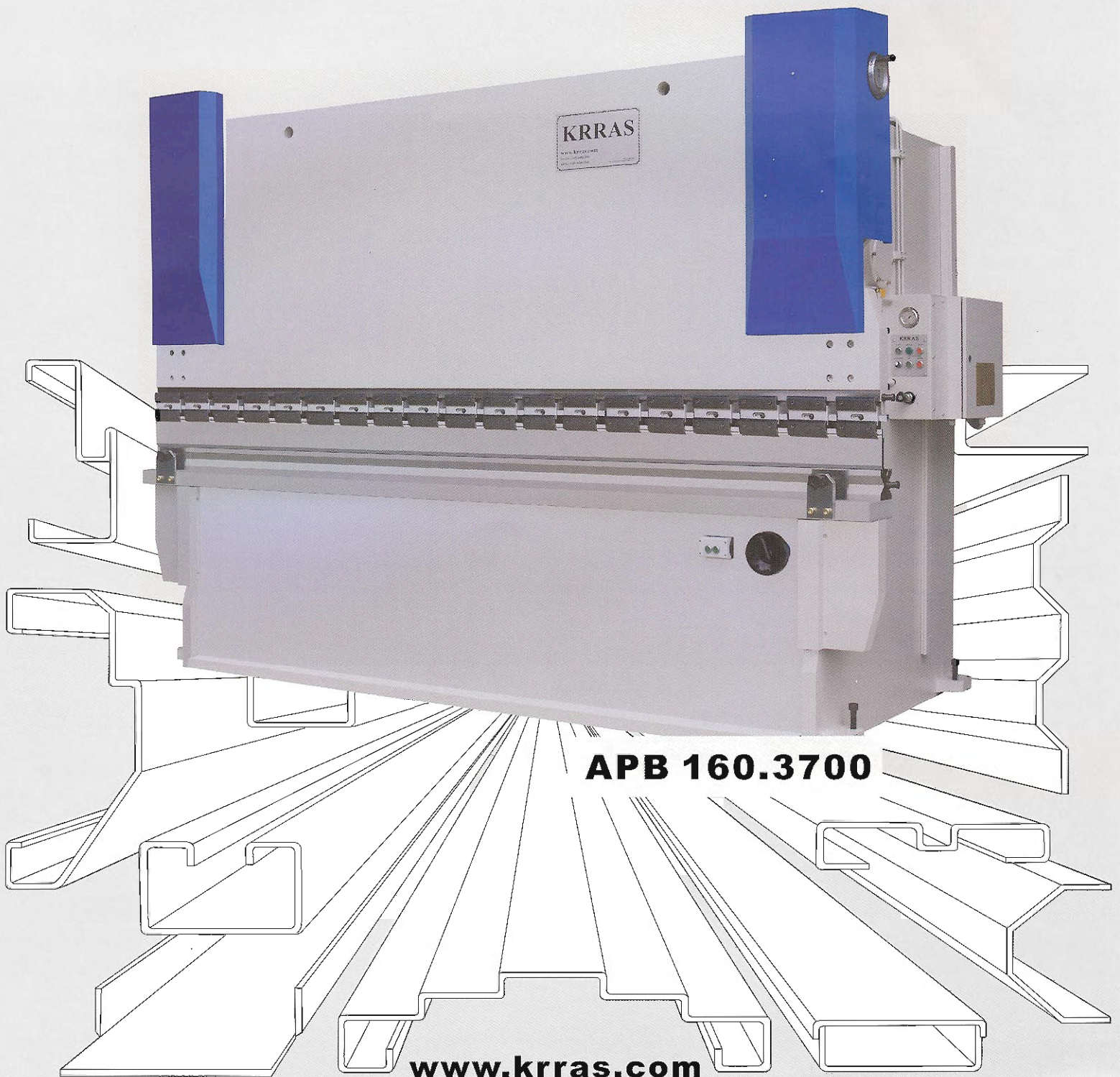


KRRAS

APB Series/BEND Series **NC** Hydraulic Pressbrake

The Profile Bending Machine For
Sheet Metal



APB 160.3700

www.krras.com

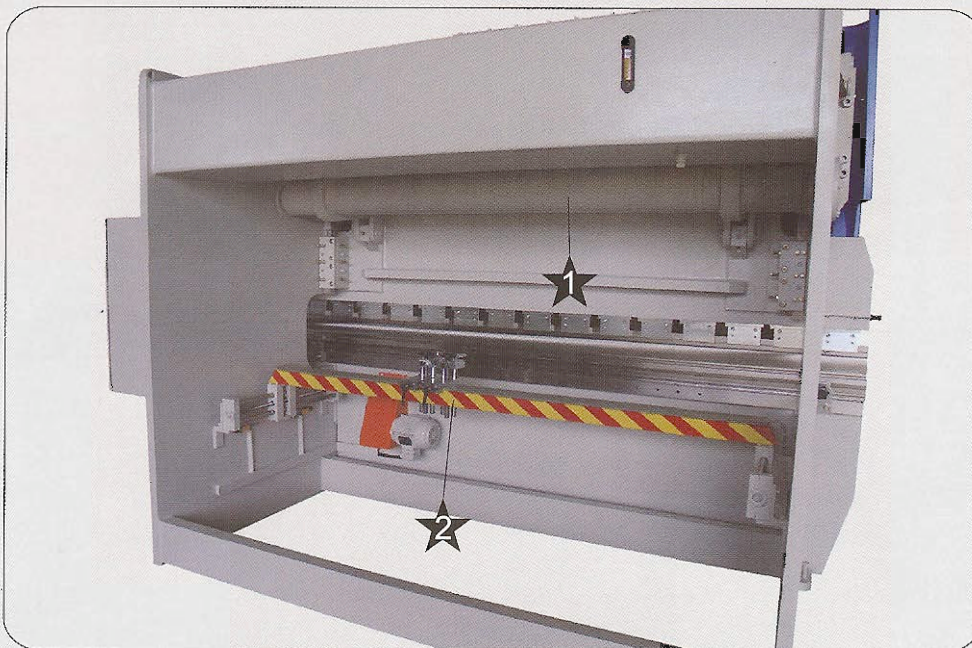
FRONT VIEW



APB 110-3100-2-AXIS NC CONTROL:PGP 602

1. Robust Framework
2. Std. Intermediate Clamping+
EURO Type Gooseneck Top Tool
+Multi V-Die Blocks
3. Depth-Stop Dial Counter
4. Pressure Gauge Indicator
5. Control Panel
6. Pressure Regulator
7. OPTIONAL:
PGP601 OR PGP602 NC
CONTROLLER

REAR VIEW



1. Heavy Torsion Arm to Keep Ram parallel to the bed
2. OPTIONAL: Ball-screw Backgauge Assembly for PGP 601 & PGP602

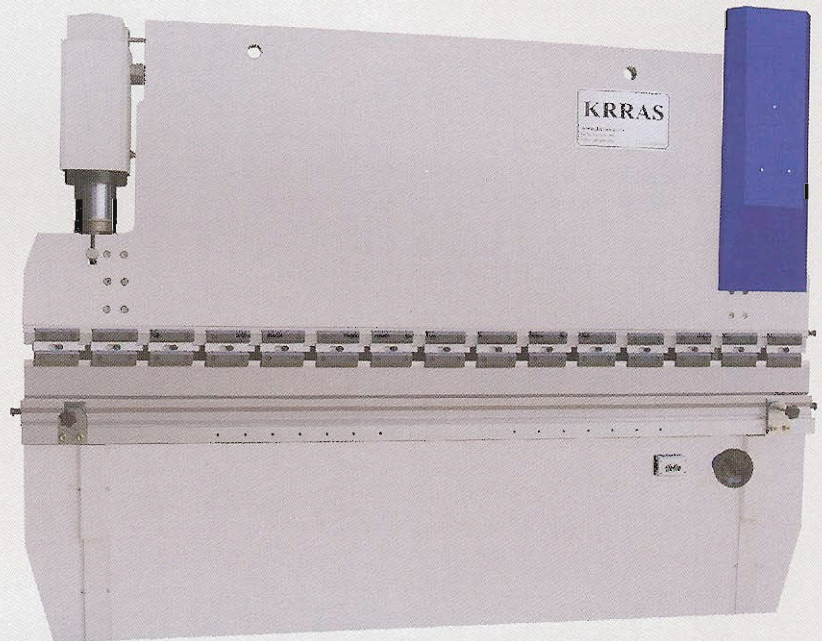
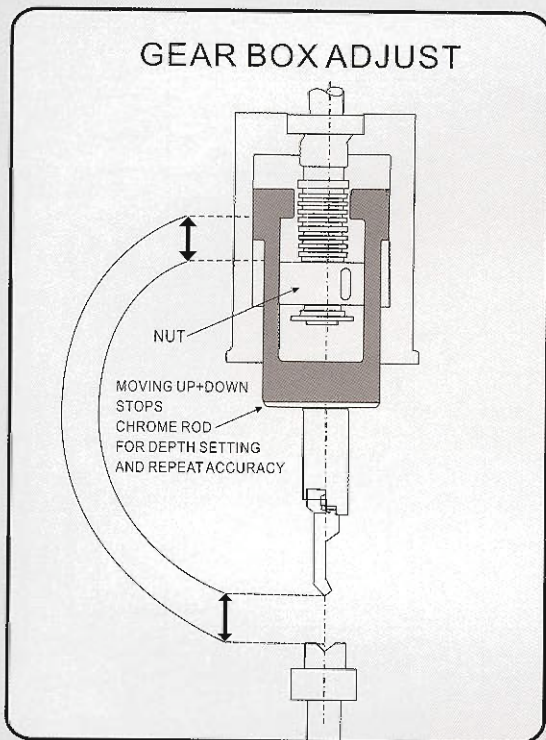
INTRODUCTION

At Krras Machine Manufacturer Pte Ltd, we produce high quality Hydraulic Guillotine Shears and Hydraulic Pressbrakes. Due to the increasing trend in up-grading to Numerical Controls to improve in production speed and repeated accuracy, we have introduced our simple-to-use Audemi NC controllers engineered solely for use in shears and pressbrakes.

our shears and pressbrakes are exported all over the world especially in the U.S.A, Canada, Mexico, Australia, New Zealand and most countries in Asia.

We strongly recommend that you visit your local dealer or our sales engineer for a demonstration of the machines before you make your next investment in shearing machines and hydraulic pressbrakes.

Principle of the depth stop



APB 110-3100-DEPTH STOP INSIDE CYLINDERS



APB 63-2500



SPECIAL FOR 160 TONS
BIG OPEN HEIGHT STROKE 200MM
-V-DIE 110X110

OPTIONAL

PROGRAMMABLE CONTROLLERS

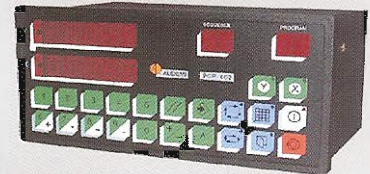
Now you are able to memorize multiple bends for quick recall for future production runs. Saves precious time and produce repeated accurate bends.

- stores 99 programs with 20 steps each
- display height: 13mm
- programmable retraction for job profiles set below fingers
- 2 speed Inverter control, fast approach and slow positioning
- another reliable pressbrake controller from Audemi

SINGLE AXIS-X
PGP601

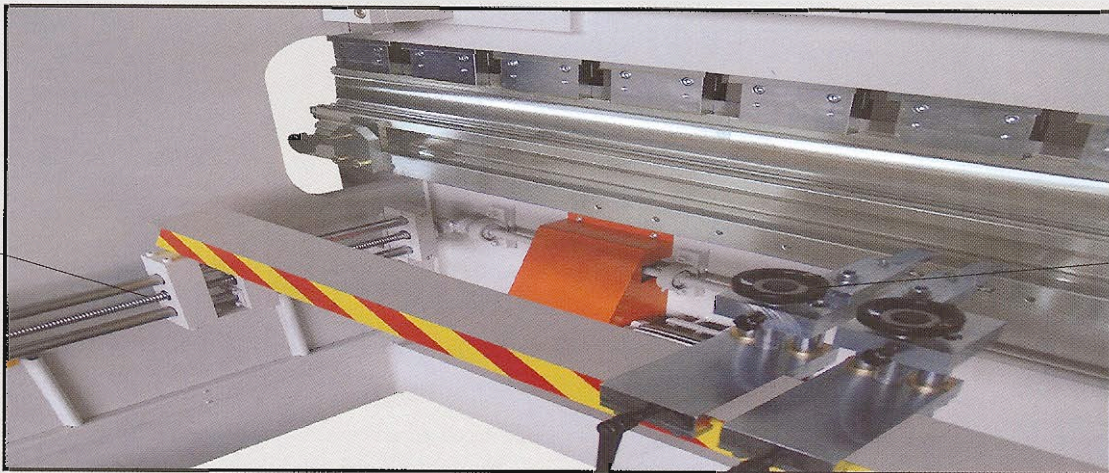


DUAL AXIS-X&Y
PGP602



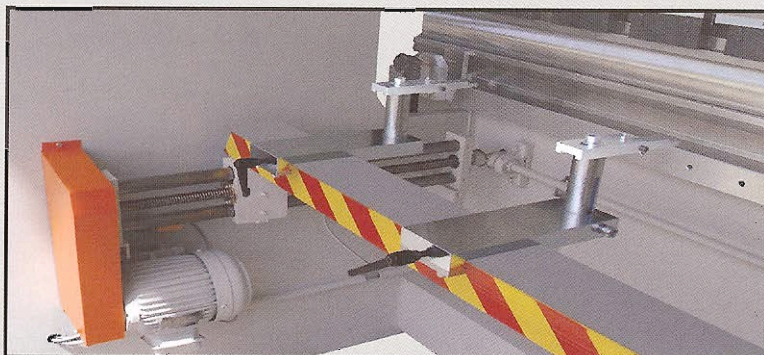
BALLSCREW BACKGAUGE ASSEMBLY

Higher Productivity with better accuracy and long lasting reliability. Complete with Height Raiser for fine adjustment of finger height to suit different V-Dies. The backgauge assembly is supplied together with the above NC Controllers for optimum performance.



1. Ball-screw Assembly With Guide Rods
2. STANDARD: 2pcs of Height Raiser For Fine Adjustment of Finger Height To Suit V-die Block.

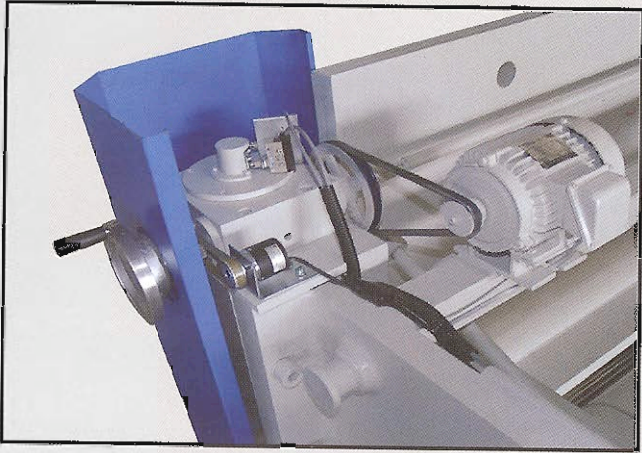
STANDARD ACCESSORIES



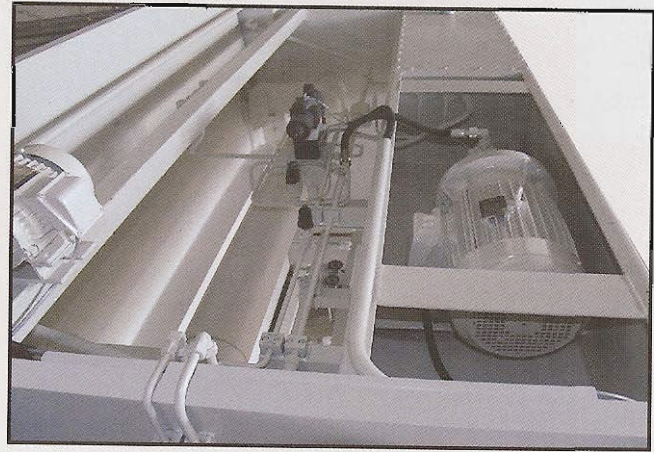
MOTORISED BACKGAUGE

Front Operated Motorised Backgauge Handwheel Fine Adjustment with Readout Up To 0.1mm.



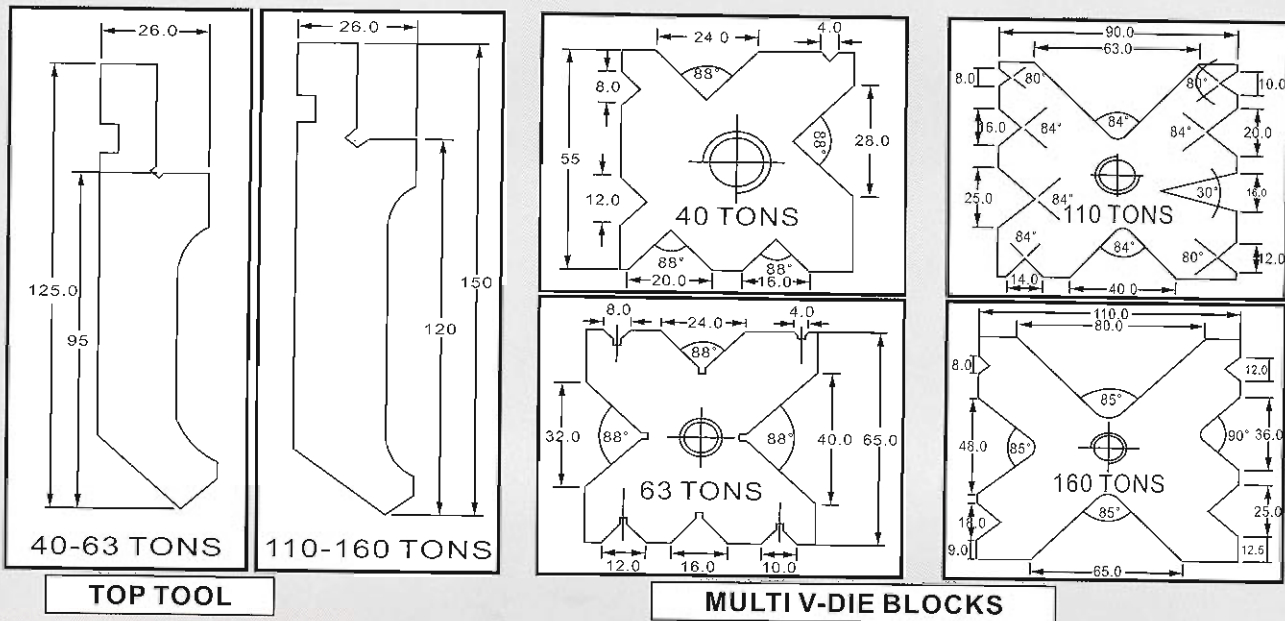


CYLINDERS DEPTH STOP CONTROL



HYDRAULIC SYSTEM

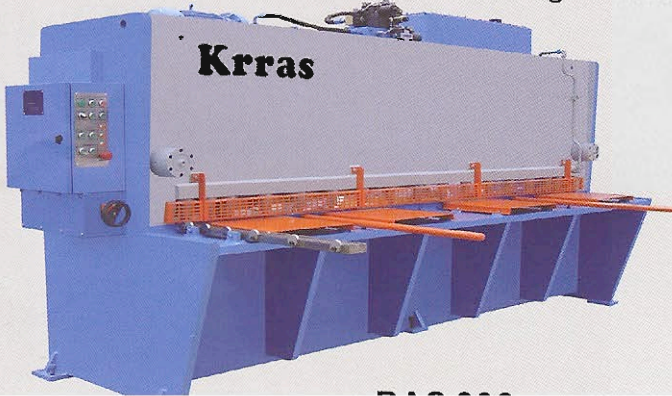
STANDARD TOP TOOLS AND V-DIES BLOCK



FOR A SHEAR INVESTMENT

Our shearing machines are made robust and reliable yet simple-to-use with accuracy for repeated cuts. Builds for cutting length from 1.5m to 4m with thickness ranging from 1 mm up to 20mm for mild steel plates.

Please refer to our Shear catalogue for more shearing information.



TECHNICAL DATA

METRIC

Model/APB/BEND		40.20	40.25	63.25	63.30	110.25	110.30	110.40	160.30	160.37	160.40	200.30	200.40	200.50	250.30	250.40	300.40	300.50	400.40	400.50	400.60	500.50	500.60	600.40	600.60	800.60	
Capacity	KN	400	400	630	630	1100	1100	1100	1600	1600	1600	2000	2000	2000	2500	2500	3000	3000	4000	4000	4000	5000	5000	6000	6000	8000	
Working Length	mm	2200	2500	2500	3100	2500	3100	4000	3100	3700	4000	3100	4000	5000	3100	4000	4000	5000	4000	5000	6000	5000	6000	4000	6000	6000	
Distance Betw.housings	mm	1850	1850	1900	2560	2020	2600	3500	2600	3100	3500	2600	3500	4000	2500	3500	3000	4000	3500	4000	5000	4000	5000	3500	5000	5000	
Throat Depth	mm	230	230	250	250	320	320	320	320	320	320	320	320	320	400	400	400	400	400	400	400	400	400	400	400	400	
Max.stroke	mm	100	100	100	100	120	150	150	200	200	200	200	200	200	250	250	250	250	250	250	250	250	320	320	320	320	
Max.open Height Without Tool Holder	mm	320	320	320	320	320	340	340	375	375	375	385	385	385	450	450	470	470	500	500	500	500	500	500	500	500	
Motor Power	H.P	7.5	7.5	7.5	7.5	10	10	10	15	15	15	20	20	20	25	25	30	30	40	40	40	60	60	75	75	75	
Approx.weight	kg	2750	3000	4000	4800	6000	6500	8000	11000	11500	12000	12500	13000	16500	20000	23000	24000	28000	26000	32500	37000	48000	57000	45000	70000	85000	
Approach Speed	mm/s	80	80	80	80	80	80	80	70	70	70	65	65	65	60	60	60	60	60	60	60	60	60	60	60	60	
Working Speed	mm/s	8.5	8.5	8.5	8.5	9	9	9	8	8	8	7	7	7	6	6	6	6	5	5	5	5	5	5	5	5	
Return Speed	mm/s	80	80	80	80	80	80	80	80	80	80	70	70	70	60	60	60	60	50	50	50	50	50	50	50	50	
Overall Dimension	Lengh	mm	2200	2500	2500	3200	2500	3200	4000	3200	3700	4000	3200	4000	5000	3250	4000	4000	5000	4000	5000	6000	5050	6050	4050	6050	6300
	Width	mm	1200	1200	1300	1300	1600	1600	1600	1700	1700	1700	1950	1950	1950	2000	2000	2000	2000	2180	2180	2180	3500	3500	4500	4500	4500
	Height	mm	1910	1910	2210	2210	2400	2600	2700	2700	2750	2800	2800	3000	3200	3400	3450	3450	3400	3500	3800	3700	3700	3700	3700	6000	

IMPERIAL-INCHES

Model APB/BEND		40.20	40.25	63.25	63.30	110.25	110.30	110.40	160.30	160.37	160.40	200.30	200.40	200.50	250.30	250.40	300.40	300.50	400.40	400.50	400.60	500.50	500.60	600.40	600.60	800.60	
Capacity	US Tons	45	45	69	69	120	120	120	175	175	175	220	220	220	275	275	330	330	440	440	440	550	550	660	660	880	
Working Length	inches	86 "	98 "	98 "	122 "	98 "	122 "	157 "	122 "	145 "	157 "	122 "	157 "	196 "	122 "	157 "	157 "	196 "	157 "	196 "	236 "	196 "	236 "	157 "	236 "	236 "	
Distance Betw.housings	inches	72 "	72 "	74 "	100 "	79 "	102 "	137 "	102 "	122 "	137 "	102 "	137 "	157 "	98 "	137 "	118 "	157 "	137 "	157 "	196 "	157 "	196 "	137 "	196 "	196 "	
Throat Depth	inches	9 "	9 "	9 "	9 "	12 "	12 "	12 "	12 "	12 "	12 "	12 "	12 "	12 "	15 "	15 "	15 "	15 "	15 "	15 "	15 "	15 "	15 "	15 "	15 "	15 "	
Max.stroke	inches	4 "	4 "	4 "	4 "	4 "	6 "	6 "	7 "	7 "	7 "	7 "	7 "	7 "	9 "	9 "	9 "	9 "	9 "	9 "	9 "	9 "	12 "	12 "	12 "	12 "	
Max.open Height Without Tool Holder	inches	12 "	12 "	12 "	12 "	12 "	13 "	13 "	14 "	14 "	14 "	15 "	15 "	15 "	17 "	17 "	18 "	18 "	19 "	19 "	19 "	19 "	19 "	19 "	19 "	19 "	
Motor Power	H.P	7.5	7.5	7.5	7.5	10	10	10	15	15	15	20	20	20	25	25	30	30	40	40	40	60	60	75	75	75	
Approx.weight	lbs	6050	6600	8800	10560	13200	14300	17600	24200	25300	26400	27500	28600	36300	44000	50600	52600	61600	57200	71500	81400	105600	125400	99000	154000	187000	
Approach Speed	inches/sec	3.2	3.2	3.2	3.2	3.2	3.2	3.2	2.7	2.7	2.7	2.5	2.5	2.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	
Working Speed	inches/sec	0.33	0.33	0.33	0.33	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Return Speed	inches/sec	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	2.8	2.8	2.8	2.4	2.4	2.4	2.4	2	2	2	2	2	2	2	2	
Overall Dimension	Lengh	inches	86 "	98 "	98 "	125 "	98 "	125 "	157 "	125 "	145 "	157 "	125 "	157 "	197 "	127 "	157 "	157 "	196 "	157 "	196 "	236 "	198 "	238 "	159 "	238 "	248 "
	Width	inches	47 "	47 "	51 "	51 "	62 "	62 "	62 "	66 "	66 "	66 "	76 "	76 "	76 "	78 "	78 "	78 "	78 "	85 "	85 "	85 "	137 "	137 "	177 "	177 "	177 "
	Height	inches	75 "	75 "	87 "	87 "	94 "	102 "	106 "	106 "	108 "	110 "	110 "	110 "	118 "	125 "	133 "	135 "	135 "	133 "	137 "	149 "	145 "	145 "	145 "	236 "	

All specifications and design are subject to change without notice

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