



GAP FRAME PRESS

BX1 Series

BX1-32 ~ 250





SBPPL

GAP FRAME PRESS BX1 SERIES



"BALAJI" has been successfully delivering sheet metal forming solutions to various industrial segments for more than 40 years. All our experience has culminated in the creation of the amazingly versatile BX1 Series C Frame Mechanical Power Press. Tough, durable and economical. Accuracy meets international quality standards. Superior in design for easy setup and user-friendliness, low operating and maintenance cost, capable for producing world-class parts.

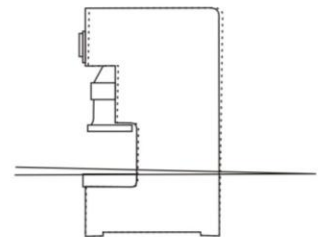
GAP FRAME PRESS BX1 SERIES



FEATURES :

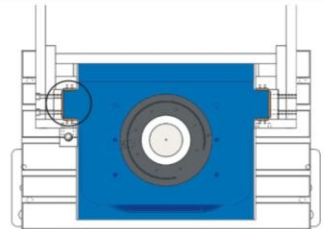
Press Frame:

The BX1 Series frames are fabricated from extra thick high tensile steel plate. Highly rigid frame constructions assure minimum angular deflection and elongation during full load capacity. This feature ensures high precision press work for a longer period of time with minimum Die maintenance.



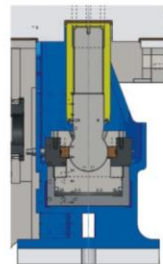
Slide and Guide:

Heavy duty graded cast iron slides are designed to reduce vibration. Six face extra long and wide slide guides runs in durable alloy bronze lining. It ensures higher accuracy at Bottom Dead Center and also extends Die life.



Hydraulic Overload Protector:

A built in hydraulic overload protector completely assure press and tool safety during any overload situation. As it stop press automatically and after releasing the pressure jam prevents easily and return to normal operation in just by means of simple manipulation.



Electrical Panel:

We designed a user friendly, simple and easy to operate control system (BPC-2.1). Programmable Logical Control based panel is accurate and reliable.



FEATURES :

Pneumatic Panel:

The BX1 Series equipped with separate Pneumatic Panel which makes easy to monitor and control air pressures in runtime.



Clutch and Brake:

A heavy duty dynamically balanced single disc combined clutch and brake unit is used for jolt free strokes and reduce noise. One board mounting provides easy accessibility for maintenance.



Lubrication System:

These presses are equipped with forged automatic grease lubrication system. A default monitor system ensures metered amount of lubrication for all points which results in smooth long running and high reliability.



Shut Height Indicator:

Slide mounted digital shut height indicator of least count 0.1 mm is standard with the press which helps operator to load the tools fast.



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FEATURES :

Motorized Slide Adjustment:

A motorized slide adjustment device (over 40 ton) consists of an imported brake motor that operates by push buttons, which results in easy and fast tool setting.

Die Cushion (Optional) :

A pneumatic bellow type suspended die cushion ensures smooth operation at reduced maintenance cost and quick response.

Quick Die Changing System (Optional) :

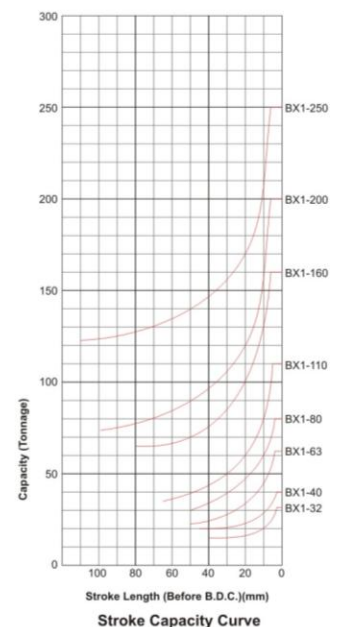
Quick die changing system reduces press machine downtime due to die changes. Also, increases productivity and streamlines production.

Standard Accessory:

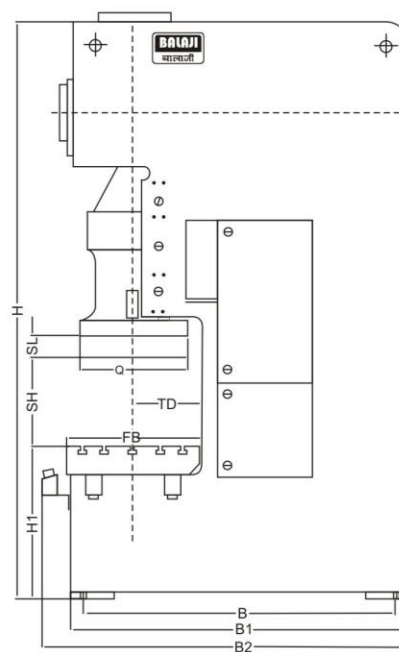
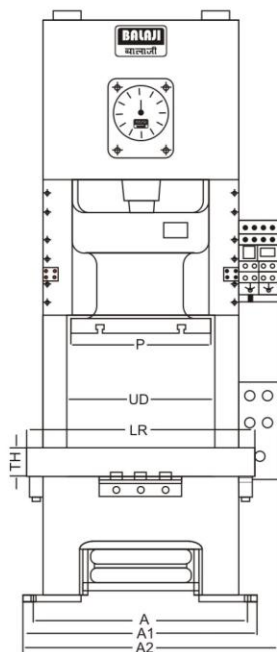
- 1- Main Motor
- 2- Plc Controlled System (bpc-2.1)
- 3- Automatic Grease Lubrication Device
- 4- Hydraulic Overload Protector
- 5- Motorized Slide Adjustment (bx1-63 - 250)
- 6- Manual Slide Adjustment (bx1-32 - 40)
- 7- Shut Height Indicator (bx1-63 - 250)
- 8- Production Counter
- 9- Dual Solenoid Valve
- 10- Rotary Cam Limit Switch
- 11- Counter Balance For Slide
- 12- Portable Operation Stand

Optional Accessory:

- 1- Pneumatic Die Cushion
- 2- Photo Electrical Safety Device
- 3- Anti Vibration Mount
- 4- Foot Switch
- 5- Knockout Device
- 6- Quick Die Change System
- 7- Variable Speed Drive
- 8- Coil And Strip Feeder
- 9- Press Control System (bpc-3.1)
- Touch Screen Panel Display With Error Message
- Digital Crank Angle Indicator

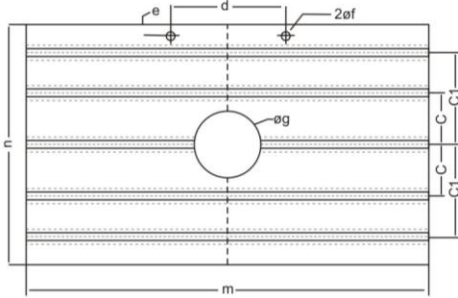


SPECIFICATIONS :

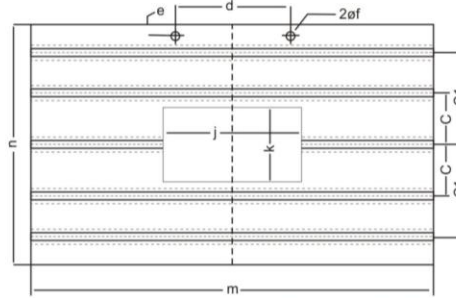


DESCRIPTION		BX1-32		BX1-40		BX1-63		BX1-80		BX1-110		BX1-160		BX1-200		BX-250	
		HT	ST	HT	ST	HT	ST	HT	ST	HT	ST	HT	ST	HT	ST	HT	ST
CAPACITY		32T		40T		63T		80T		110T		160T		200T		250T	
STROKE LENGTH FIXED (SL)	MM	40	90	50	110	50	130	60	150	70	160	80	200	90	220	100	250
STROKE LENGTH VARIABLE (SL)	MM	-	8-80	-	8-90	-	8-100	-	8-100	-	8-125	-	20-200	-	-	-	-
SPEED FIXED	SPM	-	80	-	70	-	60	-	60	-	50	-	40	-	35	-	30
SPEED VARIABLE	5 PM	70-120	60-90	80-160	60-80	70-150	40-70	60-130	40-70	60-120	35-60	50-100	30-50	40-80	25-45	30-70	25-40
RATED DISTANCE	MM	2.5	3.2	2.5	3.2	2.6	4	3	4.5	3	5	3.5	6	3.5	6	4	6
BLOSTER AREA (LRXFB)	MM	780x400		840x450		900x520		1050x600		1150x680		1250x760		1400x840		1450x900	
BLOSTER THICKNESS (TH)	MM	85		110		120		130		140		165		180		180	
SHUTHEIGHT (SH)	MM	250		270		300		330		360		450		500		500	
SLIDE AREA (PxQ)	MM	380x300		430x350		480x400		560x460		650x520		720x580		800x680		900x800	
SLIDE ADJUSTMENT	MM	50		60		75		75		90		100		120		120	
THROAT DEPT (TH)	MM	210		235		270		310		350		390		435		465	
UPRIGHT DISTANCE (UD)	MM	490		530		570		600		670		770		920		940	
MAIN MOTOR FIX	HP	3		5		7.5		10		10		15		20		25	
MAIN MOTOR VARIABLE	HP	5		7.5		10		15		15		20		25		30	
FLOOR TO BOLSTER (H1)		800		800		900		900		900		900		1000		1000	
FOOT SIZE (A1xB1)	MM	830x1150		890x1290		950x1400		1050x1480		1160x1680		1300x1985		1480x2140		1550x2390	
ANCHOR BOLT SIZE (AxB)	MM	730x950		790x1095		850x1150		950x1230		1060x1380		1180x1655		1360x1755		1430x2000	
OVERALL SPACE (A2XB2XH)	MM	1000x1260x2140		1060x1400x2400		1130x1500x2570		1230x1700x2785		1310x1830x2945		1450x2135x3235		1620x2270x3685		1680x2540x3775	
PNEUMATIC DIE CUSHION (OPTIONAL)	TONNAGE	3.5		3.5		6		6		8		10		14		14	
	STROKE	50		50		70		70		90		100		120		120	
	PAD AREA	300x210		300x210		380x260		410x260		480x300		540x340		640x440		640x440	

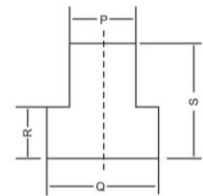
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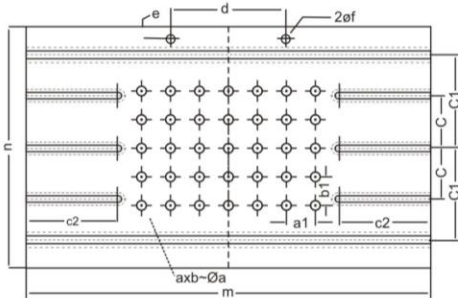
BOLSTER STANDARD



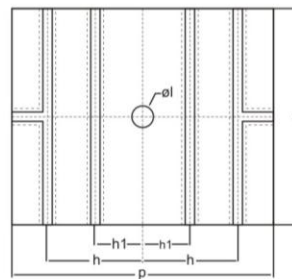
BOLSTER WITH RECTANGULAR OPENING



DETAIL OF 'T' SLOT



BOLSTER WITH DIE CUSHION



SLIDE SURFACE

	A	B
P	22	28
Q	40	50
R	18	22
S	45	50

	BX1-32	BX1-40	BX1-63	BX1-80	BX1-110	BX1-160	BX1-200	BX1-250
a1 x b1	65x90	75x100	75x100	75x100	90x90	100x100	100x100	100x100
a x b	3x5	3x5	3x5	3x5	4x6	4x6	5x7	5x7
a	ø22	ø22	ø22	ø22	ø32	ø32	ø32	ø32
c	-	-	-	-	-	165	180	200
c1	125	140	150	180	210	290	320	320
c2	210	220	240	250	260	290	320	320
d	260	300	300	300	400	400	400	400
e	30	35	40	40	40	40	40	40
f	22	22	22	22	32	32	32	32
g	110	130	150	180	200	220	230	250
j	220	260	300	360	400	440	460	500
k	110	130	150	180	200	220	230	250
h1	-	-	-	-	-	160	170	180
h	130	140	150	180	180	260	300	320
i	50	50	50	50	63	63	80	80
t	A	A	A	A	B	B	B	B



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