



C FRAME PRESS WITH ROLLING KEY CLUTCH

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Frame Construction

Mechanical C Frame Power Press machine fabricated from IS-2062 graded rolled steel plates. Frame is deeply reinforced and finished machines after stress relieving. The interlocked design put the direct support to frame. This frame is strain free and eliminates welds at load supports. Thus the accuracy of the machine is never disturbed.

Table & Slide (RAM)

Table and Slide are made of high grade heavy duty cast iron and properly seasoned. They are perfectly aligned, to each other to obtain high accuracy and precision press operation.

Main & Pinion Shaft

Shaft is made of special alloy steel machined to close accuracy and fitted in bronze bushes for smooth working, longer life and accuracy.

Rolling Key Clutch

Made of alloy steel for positive engagement and continues operation heavy three key ways. Single rolling key system is incorporated in the machine ensuring easy and efficient working of the machine.

Gears

Gears are of steel cast or fabricated. Gear teeth are generated by precision hobbing the Power Press machine.

Flywheel

Properly sized flywheel is made of high grade cast iron, for storing and releasing adequate energy for the cutting operations, and properly balanced for smooth running. Lubrication: Single shot lubricator provides oil to all the lubrication points, where necessary. Thus all bearing parts and guide surface etc.

Lubrication System

Single shot lubrication provides oil to all the lubrication points, where necessary, thus all bearing parts and guide surface, etc

Specifications For C Frame Press with Rolling Key Clutch

Specifications		10Tons	20Tons	30Tons	50Tons	80Tons	100Tons	150Tons	200Tons	250Tons	
Bed Size LR x FB	mm	482 × 318	542 × 360	644 × 406	750 × 508	813 × 546	940 × 623	1016 × 665	1100 × 700	1200 × 800	
No. of Strokes Per Min	S.P.M	55	50	45	40	40	40	35	30	28	
Stroke Length Adjustable	mm	8 – 51	8 – 63	8 – 76	8 – 90	8 – 102	8 – 114	10 – 130	20 – 150	20 – 175	
Daylight From Bottom Bed	mm	243	276	330	358	373	535	590	615	640	
Shut Height From Bottom Bed	mm	192	213	254	268	271	421	460	465	465	
Slide Adjustment	mm	25	28	30	35	35	40	45	50	50	
Throat Depth	mm	159	180	203	254	273	312	332	350	400	
Bolster Thickness	mm	67	67	72	85	85	85	95	100	120	
Bed Opening	mm	100	100	125	150	150	175	175	200	200	
Gear Dia	mm	533	610	678	796	873	914	1015	1125	1225	
Fly Wheel Dia	mm	457	660	600	686	762	914	1065	1200	1250	
Shank Hole Dia	mm	32	40	40	46	50	53	57	57	65	
Floor to Top of Bed	mm	735	726	773	820	836	850	850	850	850	
Motor Power Required	kg / cm ²	1.5 / 1440	2 / 1440	3 / 1440	5 / 1440	7.5 / 1440	10 / 1440	15 / 1440	20 / 1440	25 / 1440	
Required Air Pressure	Kg / cm ²	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
Die Cushion	Capacity	Tons	1	1.5	3	5	8	10	15	20	25
	Stroke Length	mm	25	25	45	55	65	70	80	100	110
	Air Pressure	Kg / cm ²	7	7	7	7	7	7	7	7	7

