



H FRAME PRESS WITH ROLLING KEY CLUTCH

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Frame Construction

Mechanical H 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 H Frame Press with Rolling Key Clutch

Specifications		30Tons	50Tons	80Tons	100Tons	150Tons	200Tons	250Tons	300Tons	400Tons	500Tons	
Bed Size LRxFB	mm	440×440	445×511	475×536	580×655	642×715	680×800	900×900	925×950	950×1000	1000×1100	
No. Of Strokes Per Min	SPM	50	45	40	40	35	35	30	30	28	28	
Stroke Length Adjustable	mm	8-76	8-88	8-102	8-114	10-127	20-135	20-152	20-175	200Fix	200Fix	
Daylight from Bottom Bed	mm	291	295	317	415	483	520	550	600	650	700	
Shut Height from Bottom Bed	mm	215	207	215	301	356	385	398	425	450	500	
Slide Adjustment	mm	25	28	30	35	35	40	45	50	50	65	
Bolster Thickness	mm	75	68	72	75	96	102	102	110	120	120	
Bed Opening	mm	100	100	125	150	150	175	175	200	200	200	
Gear Dia	mm	610	678	796	873	1041	1168	1270	1350	1400	1475	
Fly Wheel Dia	mm	610	762	864	965	991	1016	1270	1325	1350	1450	
Shank Hole Dia	mm	31	31	37	44	51	57	67	67	75	75	
Floor to Top of Bed	mm	762	725	740	751	775	762	813	850	850	850	
Motor Power Required	H.P.	3 / 1440	3 / 1440	5 / 1440	7.5 / 1440	10 / 1440	15 / 1440	20 / 1440	25 / 1440	40 / 1440	50 / 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	5.5	
Die Cushions	Capacity	Tons	3	5	8	10	15	20	25	30	40	50
	Stroke Length	mm	45	50	60	65	80	90	100	110	120	130
	Req.Air Pressure (Kg/Cm ²)	kg/cm ²	7	7	7	7	7	7	7	7	7	7

