

FRICION SCREW PRESSES AND FORGING PRESSES

- (a) Friction Screw Presses (Down Stroke)
- (b) Forging Presses (Up Stroke)

FRICION SCREW PRESSES (Down Stroke)



FEATURES

- Hot Forgings.
- Investment costs low & Cost for foundations are minimal.
- The forging Dies have a long life.
- Costs of development, manufacture & replacement of the dies are low.
- Great forging accuracy is achieved because of the free stroke.
- Additional energy can be applied to the same die impression by making several blows.
- The heat contact time considerably less than it with crank type forging presses & knuckle joint presses.
- Cost of repairs after years of hard usage is low. Only skilled labor should be employed for its usage.
- Our Friction Screw Presses are heavy duty fabricated construction and are suitable for endless variety of Non-Ferrous Stamping, Forgings and Piercing operations depending on the tooling employed on it. Even these are utilized for planishing and finishing of articles which has been produced on Power Presses or by castings. These presses are being manufactured from 30 to 500 Tonnes Capacity. Their design beauty is that they can give 1/2" stroke with full press force. Moreover any type of ejection arrangement can be supplied along with the press against specific requirement.

SPECIFICATION

Item Code No.	ABM-FM-7010	ABM-FM-7011	ABM-FM-7012	ABM-FM-7013
Capacity	30 Tons	50 Tons	100 Tons	200 Tons
Dia of Screw	3-1/4"	4"	5"	6-1/2"
Stroke of Press	7"	8"	11"	14"
Table of Slide (Max.)	13"	14"	18"	22"
Table of Slide (Min.)	6"	6"	7"	8"
Size of Table (Front)	12"	15"	19"	22"
Size of Table (Side)	11"	14"	18"	21"
Distance Tables to Guides	6"	6"	8"	10"
Distance Between Guides	13"	16"	20"	23"
Distance Between Column	9"	12"	14"	17"
Bore in Table	3"	3"	4"	5"
Bore in RAM (Shank Dia.)	1-1/2"	1-1/2"	2"	2-1/2"
Dimensions of RAM	9" x 9"	12" x 12"	14" x 14"	17" x 17"
T Slots in Table	5/8"	5/8"	5/8"	3/4"
T Slots in RAM	5/8"	5/8"	5/8"	5/8"
H.P. Required	5 H.P.	7.5 H.P.	10 H.P.	20 H.P.
R.P.M.	1440	960	960	960
Net Approx. Weight in Kgs.	2000 Kg.	3000 Kg.	5000 Kg.	9000 Kg.
Height	8' - 4"	9' - 4"	10' - 4"	12' - 4"

Item Code No.	ABM-FM-7014	ABM-FM-7015	ABM-FM-7016
Capacity	300 Tons	400 Tons	500 Tons
Dia of Screw	8"	9-1/2"	11"
Stroke of Press	16"	18"	20"
Table of Slide (Max.)	25"	28"	32"
Table of Slide (Min.)	9"	10"	12"
Size of Table (Front)	25"	28"	30"
Size of Table (Side)	24"	28"	30"
Distance Tables to Guides	12"	14"	16"
Distance Between Guides	26"	30"	32"
Distance Between Column	19"	22"	24"
Bore in Table	6"	6"	6"
Bore in RAM (Shank Dia.)	3"	3"	4"
Dimensions of RAM	19" x 19"	21" x 22"	24" x 24"
T Slots in Table	1"	1"	1-1/4"
T Slots in RAM	3/4"	1"	1"
H.P. Required	30 H.P.	40 H.P.	50 H.P.
R.P.M.	960	960	960
Net Approx. Weight in Kgs.	13000 Kg.	17000 Kg.	23000 Kg.
Height	14' - 6"	15' - 6"	17'

FORGING PRESSES (Up Stroke)



FEATURES

- Hot Forgings.
- Investment costs low & Cost for foundations are minimal.
- The forging Dies have a long life.
- Costs of development, manufacturer & replacement of the dies are low.
- Great forging accuracy is achieved because of the free stroke.
- Additional energy can be applied to the same die impression by making several blows.
- The heat contact time considerably less than it with crank type forging presses & knuckle joint presses.
- Cost of repairs after years of hard usage is low. Only skilled labor should be employed for its usage.
- Forging presses are an answer for the forging of Round, Square and Hexagonal headed bolts as well as for nuts, rivets, Motor Parts, Cycle Parts and variety of such other items.
- These presses are very simple in operation and their strokes can be achieved depressing a lever provided on the left hand column on the front of the press.

SPECIFICATION

Item Code No.	ABM-FM-7025	ABM-FM-7026	ABM-FM-7027	ABM-FM-7028	ABM-FM-7029
Capacity	50 Tons	100 Tons	150 Tons	250 Tons	350 Tons
Diameter of Screw	3"	4"	5"	6"	7"
Stroke of Press	15"	16"	20"	26"	32"
Max. Length of Job	8"	12"	16"	20"	26"
Max. Dia. of Job	1/2"	3/4"	1-1/4"	2"	2-1/2"
Strokes Per Minute	50	40	30	25	20
Motor Required H.P.	5 H.P.	7.5 H.P.	10 H.P.	20 H.P.	30 H.P.
R.P.M.	1440	1440	1440	1440	1440



Net Approx. Weight in Kgs.	1600 Kg.	2200 Kg.	4100 Kg.	6500 Kg.	10500 Kg.
Height	7' - 6"	8' - 6"	10' - 6"	11' - 6"	13' - 6"

All Specifications are subject to change towards improvements without any prior notice.
Manufactured by ABM Fasteners (India) and Export Marketing by ABM Tools



Postal Address : 79A, Pocket GG-1, Vikas Puri, New Delhi – 110018, India
Phone : 91 98910 27608 / 91 11 2854 6891 Fax : 91-11-2854 0898
www.abmtools.com
www.abmfasteners.com
e-mail : abmtools@vsnl.net
sales@abmfasteners.com