HAZEMAG Push Feeder | HPF

Push Feeder HPF

HAZEMAG Push Feeders HPF are the most robust discharge units for feed hoppers. They may be used horizontally or in an declined position. The discharge capacity is mainly determined by the width. Here the material size plays of course an important role. In addition stroke and stroke frequency are determining factors for the performance. The material transport is made discontinuously.

The HAZEMAG push feeder HPF mainly consists of a trough, an undercarriage on which rollers are mounted, as well as of a drive. The material transport is effected by means of the trough's forward and backward movement on the rollers. During the forward movement the material is carried along and falls / breaks away at the discharge point. As the material is supported against the rear wall of the hopper, the functional capability is only guaranteed, if a certain layer height exists in the hopper. The push feeder is a welded construction of section steel and steel plate. The bottom is covered with interchangeable wear plates. The rollers on the undercarriage are fitted with wheel flanges for guiding the carriage. The bearings have lifetime lubrication and thus are very low in maintenance. Each roller may be separately adjusted to the guide way, thus achieving an equal load distribution. The drive is effected hydraulically, whereat the movement is produced with a hydraulic cylinder which is mounted in a well-protected way beneath the trough. A hydraulic unit supplies the required energy to the cylinder. Stroke as well as stroke frequency may be adjusted electrically.

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Type	Width x Length [Inch]	Max. Feed size [Inch]	Throughput rate* [t/h]	Installed capacity [HP]	Weight [lb]
HPF 1045	39 x 177	27.6	275	30	13,200
HPF 1365	51 x 256	39.4	600	74	19,800
HPF 1565	59 x 256	47.2	880	74	22,000
HPF 2070	79 x 275	59.1	1,300	100	30,900
HPF 2470	95 x 275	70.9	2,000	150	35,300

*depends on stroke and stroke frequency – may be largely adapted to the respective requirements.