

## AKKERMAN LAUNCHES NEW GBM 4812A JACKING FRAME

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In April, Akkerman Inc. shipped its fifth and newest Guided Boring Machine (GBM) jacking frame. The 4812A jacking frame has evolved in design and capability to meet the growing demands of our customers. Akkerman's goal with the 4812A jacking frame was to maintain the same pipe rate and distance per shift while accommodating larger pipe. Akkerman is pleased to introduce the 4812's functionality to complement its GBM product line.



Other members of the Akkerman jacking frame family include the 307A, 308A, 309A, and 240A. Akkerman's line of jacking frames offers versatility for a wide variety of jobs. In all of these models the first two digits refer to the maximum O.D. of pipe and the last digits refer to the minimum launch shaft diameter in feet. The 4812 is suitable for installing steel casing, vitrified clay pipe (VCP), FRP fiber glass reinforced, and concrete pipe.

The 4812 is different than other frames for several reasons. The rotational drive facilitated through a gear powered motor. The jacking thrust is advanced through a single and continuous action. The guide rails have been lowered for ease of pipe placement and requires fewer joints to go the same distance, thus reducing project costs. The frame will accommodate pipe up to 2 meters in length. The 4812 utilizes a three-pass system where the dual-walled pilot tubes are inserted in the frame from the launch pit, followed by the augers and casings and then the powered cutting head bores along the travel path to the reception shaft.

Impressive statistics on the 4812 include its capability for up to 200 tons of jacking force, up to 100 tons of pull back force and up to 20,000 foot pounds of torque (rotational drive), almost twice the rotational force of its smaller counterparts. Although specially designed to run with the new 275 horsepower pack, it is also capable of operation with the 100 horsepower pack. Akkerman 4812 jacking frame is one of a kind in jacking force and torque.



In 1973, Akkerman Inc. in Brownsdale, MN began providing tunnel boring machines to meet the needs of the trenchless market. Today Akkerman Inc. sells and leases new and used microtunneling, pipejacking, tunneling, guided boring and earth pressure balance equipment. Akkerman not only manufactures quality trenchless equipment, they have built a reputation for superior reliability and responsive service through a team of experienced engineers, field technicians and a large parts department. For information on how they can assist your project please visit [www.akkerman.com](http://www.akkerman.com) or call 800.533.0386.