



ABSTRACT

METHOD AND APPARATUS FOR CONNECTING BARS

The invention relates to apparatus for enlarging an end of a re-bar by a soft cold forging method, comprising rebar, bar core/body, bar longitudinal ribs, bar cross ribs, die, longitudinal-rib influence eliminating groove, die insert, enlarging cavity, friction plate, main body, enlarging piston, punch head, clamping piston, cylinder housing, hydraulic power pack, piston ruler, sensor/limiter/pick-up/captor/transmitter, die housing, main housing, intermediate clamping bush and guiding spike.

Figure 3