

A cone crusher that includes an upper mainframe (16) and a lower mainframe (14) joined to each other. The upper mainframe is positioned between the lower mainframe and an adjustment ring (20). A series of tramp release cylinders (38) extend between an upper flange formed on the lower mainframe and an attachment flange (40) formed on the adjustment ring. The series of tramp release cylinders compress the upper mainframe between the adjustment ring and the lower mainframe. The series of hydraulic tramp release cylinders create a compression force that prevents cyclic tension during crushing for the fasteners used to secure the lower mainframe to the upper mainframe.