

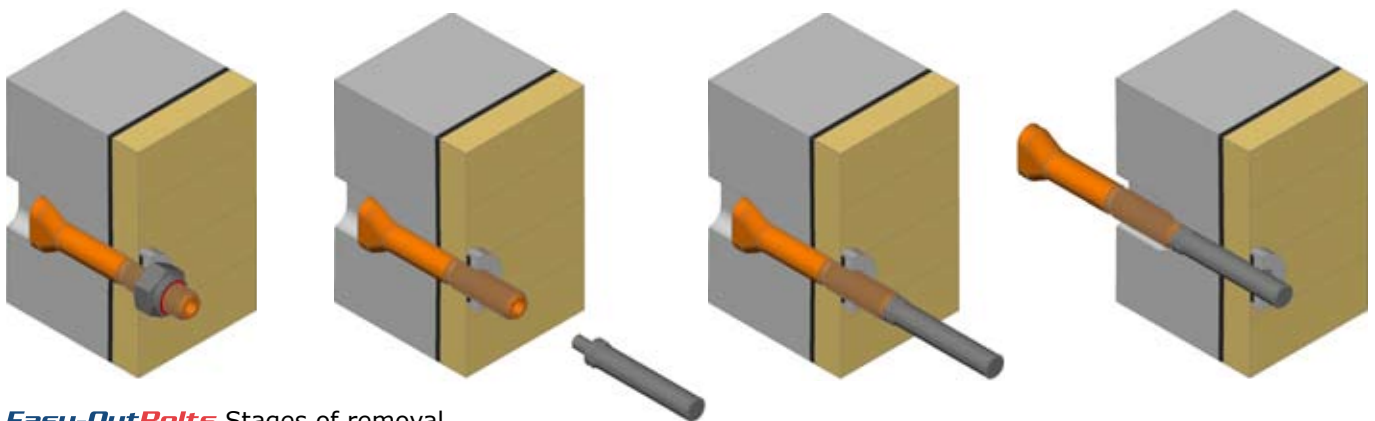
Easy-OutBolts

The patented *Easy-OutBolts* are designed to reduce the potential for personal injury, damage to equipment and reduce liner change-out times.

The *Easy-OutBolts* design consists of a standard liner bolt which has been modified to use in conjunction with a specially designed moil fitted to any standard hydraulic or pneumatic hammers. Both the *Easy-OutBolts* and moil are custom manufactured and supplied by Donhad to suit your specific requirements.



After removing the nut the moil can be inserted into the bolt end. Without the need to remove recessed or seal washers the bolt can be driven out of the liner and completely clear of the mill shell in one movement.



Safety Benefits

- No more sledge hammers – removal of the manual handling risks
- No need for a man between the hammer and the mill

Time Saving Benefits

- No need to remove the washers. Washers easily collected on the moil as it pushes through
- Reduces time to align the hydraulic hammer with the bolt
- Drives the bolt out in one action. No need for chicken bars, hand held drifts or sleeves to push the bolt clear of the mill shed

- Removes the need for an extra man to hold the drifts in position, thus reducing labour requirements

Recent trials at a large copper concentrator have shown that bolt removal time was halved by using *Easy-OutBolts*.

No Mill Damage

- Prevents mill damage from misalignment of hydraulic hammer moils
- Prevents sledge hammer damage around bolt holes