

DynaIndustrial redesigned the top guide for a large plate mill. Numerous changes were made on the top guide to improve the original OEM design. The most significant change was the addition of a mechanism to contain water being sprayed up from the bottom descale header. In addition changes were made to;

- Rolling Cooling Header design including header mounts
- Descale Header design including infeed piping

The top guide was supplied assembled; complete with roll cooling and descale nozzles for direct installation into the mill! Units were supplied for the mill entry, mill exit and a spare unit.

On a 4 hi rolling mill stand, the roll stack has two backup rolls and two work rolls. On either side of the top work roll is device referred to as a work roll top guide or upper guide or top stripper. The top guide's main function but far from its only purpose is to ensure that the steel is fed into the mill work roll bite consistently and that the steel also exits the top roll consistently and does not follow the curvature of the work roll.

Depending on the type of mill stand, the top guide can have a multitude of other purposes including:

- Roll cooling header location and attachment point
- Top descale header location and attachment point
- Sealing system to keep cooling water off the hot steel
- Guard to protect equipment in the event of a cobble

Each of the above items increases the importance and the criticality of a properly functioning top guide.

