## Stacked Plates: Opening Drill®

The customer manufactures steel lift arms for the heavy equipment industry. The customer purchased two new horizontal boring machines in order to produce these parts. Both machines use a single point bore with coated cermet for finish diameters. The work pieces are stacked plates made of A36. They use 430 PSI (29.647 bar) and synthetic coolant with additives. There were five hole diameters and depths in this complex operation.

The **Opening Drill**<sup>®</sup> effectively reduced cycle time and increased tool life, accomplishing the customer's goals for this operation.





