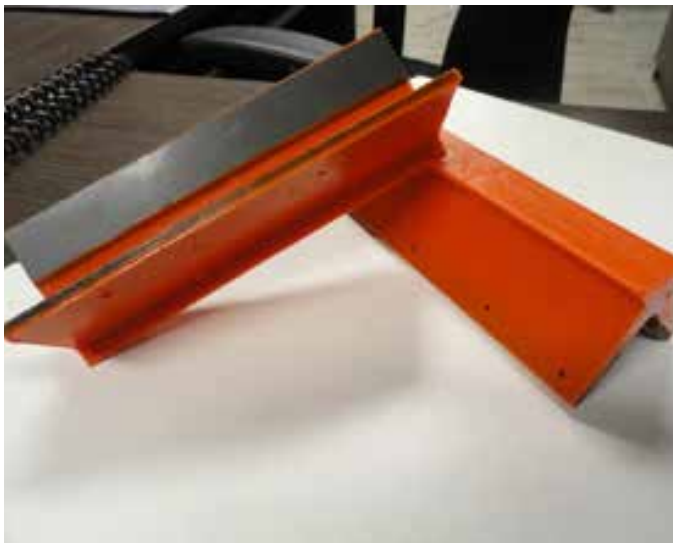
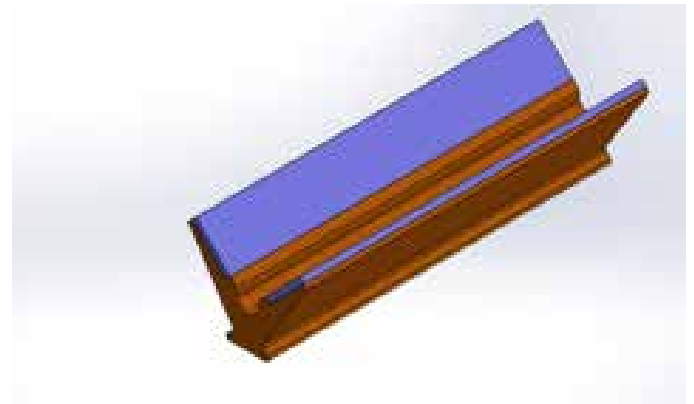


CMAC-THYSSEN COMBINING MATERIALS FOR GREATER LOAD CAPACITY

CUSTOMER'S SITUATION

We had previously manufactured wear guides from a rigid urethane, such as that used in the manufacture of certain drills. Subsequently, our client needed to apply a higher load than usual on the guide. The rigid urethane proposed was not designed to absorb such a load, we therefore had to find another type of material.



SOLUTION

A nylon-type material would support a heavy load, however it was much more difficult to mould into shape. After a period of trial and error, the nylon-type material proved too expensive in production and did not achieve the required precision during machining. The solution that we adopted was an alloy of the two materials; the nylon for its high load capacity and the urethane for its ease of moulding as well as for its dimensional tolerance.

ADVANTAGES

Extensive research and testing has led to the manufacture of a superior load guide that now meets CMAC-Thyssen's requirements.