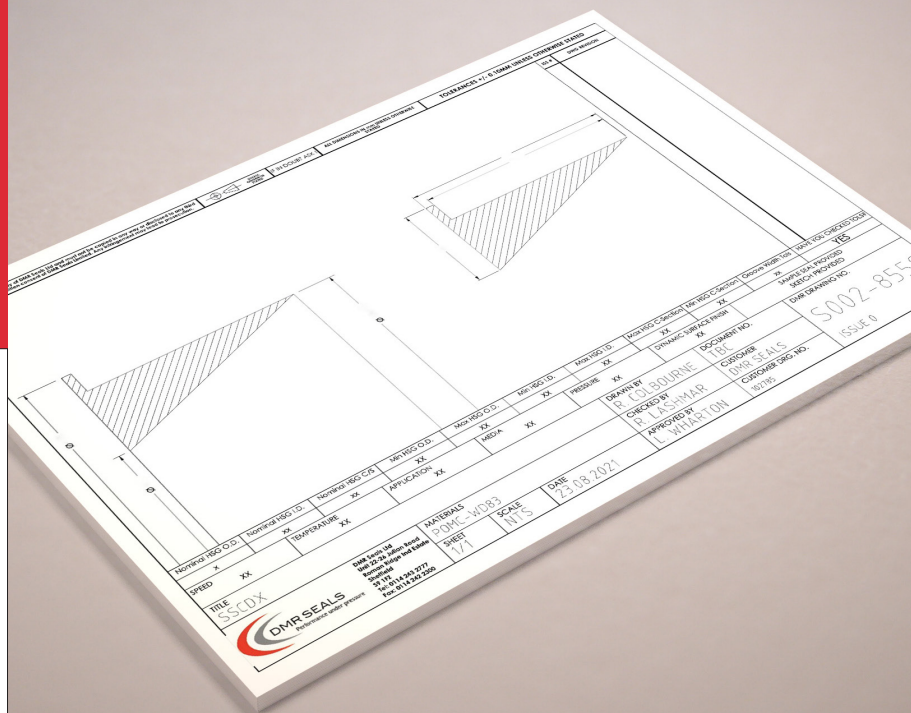
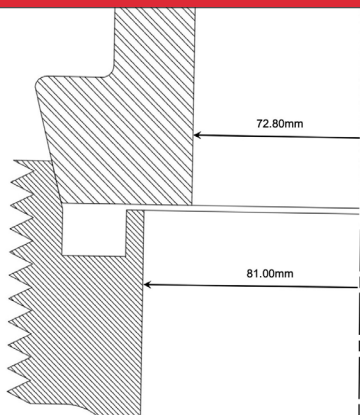


CASE STUDY

SOLVING COUPLING PROBLEMS



APPLICATION

Hygienic Union

THE CHALLENGE

The client had an issue with a DIN 11851 coupling. He had recently taken delivery of a new process unit for the factory and the coupling on the new unit didn't exactly match the coupling on the existing unit. One half was 80mm and the other was 3". The two halves screwed together, however, the internal diameters were different. One was 81mm and the other was 72.8mm. For several reasons, the client was unable to change the couplings and the issue needed to be resolved as quickly as possible.

SOLUTION

Our engineer was called in to discuss the problem. The client had a solution of their own they wanted to implement, using Nitrile rubber and an intricate seal design, but our engineer explained how this solution might not work due to material selection, design and cost. Instead, a simpler, more cost-effective design was presented, using Polyacetal and the client agreed to try this.

OUTCOME

A sample was produced and tested by the client who was more than happy with it. An order was then placed for several of the parts, which were delivered quickly, meaning the new processor was up and running in no time.

ACHIEVEMENT

At DMR, we have experienced engineers who can think outside the box, and develop the best solution for any sealing challenge.