

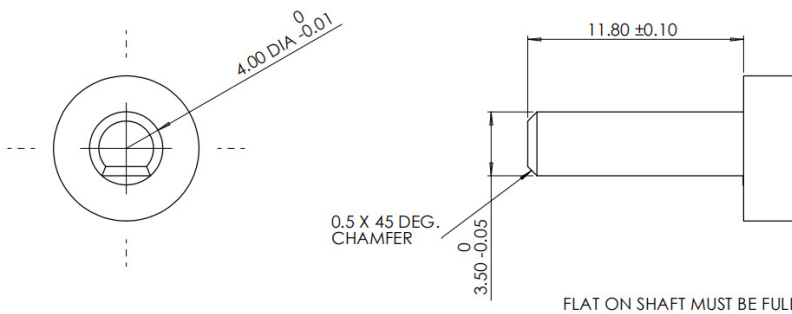
**PRODUCT CHANGE NOTICE :CHANGING TO 4MM D SHAFTS issued FEB 2020**

The introduction of the new 200 series with reversible 3 or 4mm D rotor has given us the opportunity to change over most of our standard motor range to 4mm D shafts giving a stronger coupling between the pump head and motor shaft. The 100 series has always had the option of 3 or 4mm D but until now the 200 series has meant staying with 3mm D as standard. The intention is to phase the change in over the next 3-6 months. The stepper motor has changed and the faster running DC motors 150 rpm and above will be next, followed by the 30rpm & 15 rpm AC synchronous motors. The slower running DC (below 150 rpm) will stay as 3mm D until further notice.

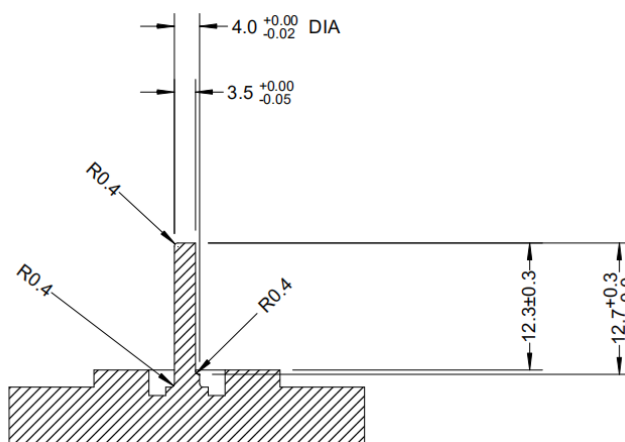
For customers buying complete pumps there will be no noticeable difference but when ordering spare or replacement pump heads the correct D will need to be selected to match the motor it is going to be fitted to.

3mm D pump heads will continue to be available for customers who supply their own motors.

Customers need to be aware that the 4mm D will become the standard so if Pumps or Pump heads are ordered without the 3D suffix 4mm D will be supplied. It is however possible to take the pump head apart to reverse the rotor and therefore fit the 3mm D shaft if required.,



4mm D shaft details for 150 rpm and above DC motors & 15 & 30 RPM AC motors when phased in.



4mm D shaft details Nema 17 stepper motor

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