

TOUGH NEW TORQUE WRENCH GETS INTO THE TIGHTEST SPOTS



Norbar Torque Tools introduces the Model 400 Torque Wrench, a robust tool able to provide accurate torque settings over a range from 80 to 400 N.m, even in applications with restricted access.

Weighing just 2 kg, the Model 400 has a reinforced body for extra strength and uses an innovative ratchet mechanism, making it reliable and easy to use in areas where movement is restricted.

The challenge for the design of the new ratchet was to achieve both a strong ratchet capable of reliable service over a high number of cycles and to have the minimum angle of engagement – the angular distance through which the wrench handle has to rotate to engage the next tooth. This narrow angle of engagement is critical when using the wrench in confined spaces.

The solution was to refine an idea that has been used on certain Norbar wrenches for many years. A coarse tooth pattern, 30 teeth in this case, is used for great strength but the ratchet pawls are “offset” to give the ratchet the same engagement angle as a 60 tooth ratchet. There are actually four pawls in the Model 400, arranged in offset pairs for even greater strength.

During its development, the wrench was extensively tested and benchmarked against competitive products. The results indicated that ratchet life at full torque will be up to five times that of the nearest competitor and wrench was proven to withstand prolonged use at 400 N.m.

Featuring a $\frac{3}{4}$ inch square drive, the Model 400 is ideal for a wide range of applications and extends the torque capacity of the popular Norbar Professional range from 330 N.m to 400 N.m.

The Model 400 is available with an adjustable torque scale or as a 'P' Type with a sealed adjustment and no scale for use in production applications where a single torque value is required.

With an accuracy of +/-3%, this rugged new wrench will provide many years of accurate, reliable service and, with Norbar's usual competitive pricing, represents outstanding value for money.