

Button Thread Torque Testing Results

Hex Nuts, Collar Nuts, Knurled Nuts, Clamping Handles

1/4"-20	M6	95 in-lbs.
5/16"-18	M8	149 in-lbs.
3/8"-16	M10	234 in-lbs.
1/2"-13	M12	456 in-lbs.
5/8"-11	M16	660 in-lbs.

Button Thread Load Rating Test Results

Hex Nuts, Collar Nuts, Knurled Nuts, Clamping Handles

Inch		Metric	
1/4"-20	2075 lbs.	M6	940 kg.
5/16"-18	6440 lbs.	M8	2925 kg.
3/8"-16	8612 lbs.	M10	3915 kg.
1/2"-13	8812 lbs.	M12	4005 kg.
5/8"-11	9006 lbs.	M16	4095 kg.

The analysis reported on this certification was performed in accordance with MMA Laboratories (Newtown, PA) QC/QA manual and related procedures, first edition dated 03/02/98 revision 11.

Threaded mandrels were installed into the Button Thread nuts. The force required to pull the mandrel through the nut is shown above.

Morton Machine Works recommends the use of Button Thread fasteners on low to medium load applications. Repeated use on heavy loads may cause thread failure to occur.

Tests Conducted by:

MMA Laboratories