



randdikte: 1.00mm



randdikte: 1.01mm



randdikte: 1.02mm



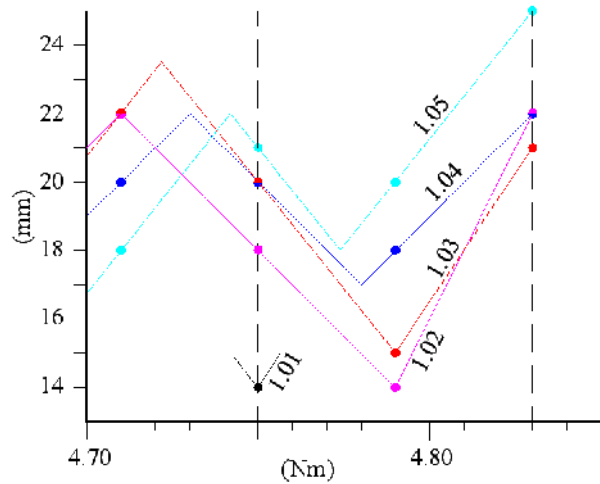
randdikte: 1.03mm



randdikte: 1.04mm



randdikte: 1.05mm

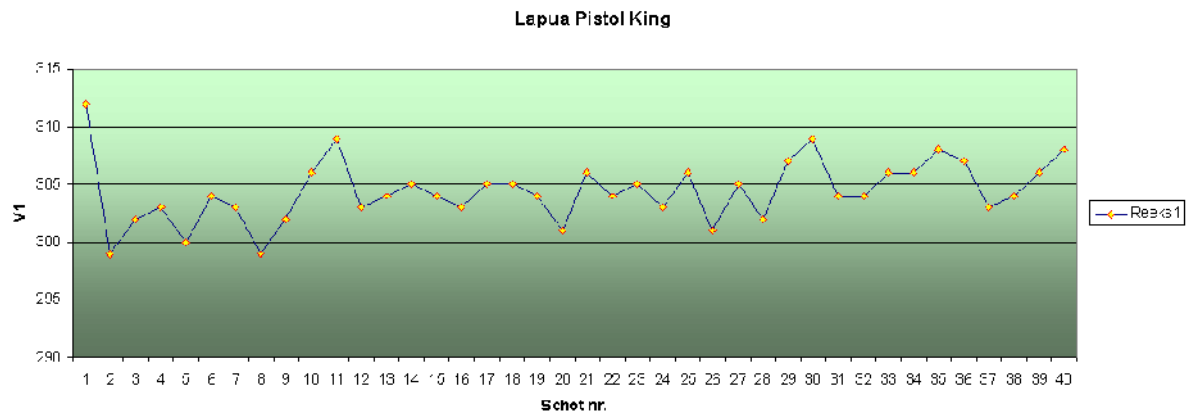


groupdiameter Y-axis versus torque X-axis

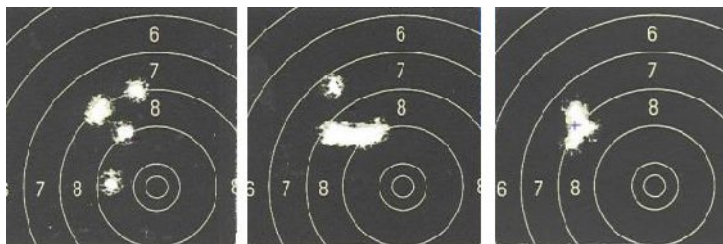
Aandraaimoment (Nm)	4.63	4.67	4.71	4.73	4.75

Randdikte (mm)					
1.01	Ø13	Ø 28	Ø 30	-	-
1.02	Ø 26	Ø 21	Ø 15	Ø 29	Ø 20
1.03	Ø 22	Ø 24	Ø 20	Ø 22	Ø 18
1.04	-	Ø 20	Ø 10	Ø 18	Ø 15
1.05	-	Ø 25	Ø 13	-	Ø 25

Groupdiameters: rimthickness Y-axis versus torque X-axis



Velocity Y-axis versus shotnumber X-axis



4.62Nm, 4.70Nm, 4.75Nm



4.80Nm, 4.90Nm, 5.00Nm

Groups shot benchrest style @50m with Walther KK-Match GX-1 (normal sights), Lapua Pistol King .22LR lot# 6466I, unsorted rimthickness, different torques



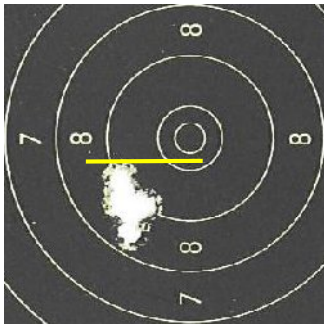
4.75Nm

4.9Nm

5.0Nm



Powder in rear of cartridge



Powder in front of cartridge

Hello Guy,

Apologies for my late answer but I am suffering from the worst case of Guillien-Barre, a decease that paralises the nerve system. I am slowly recovering but it will take 5 years or more. At the moment I am shooting from a wheelchair.

I have attached a word document with some picturesd from my tests.

1st picture: groupdiametes with the same ammo but different rimthickness; constant torque.

2nd picture: groupdiameter Y-axis versus torque X-axis with different rimmthickness

3rd picture: same results but now in a matrix graph

4th picture (2nd page): graph with spread of velocity starting with a clean and dry barrel

5th picture: groupdiametes with the same ammo but different torques; unsorted rimthickness.

6th & 7th picture: homemade scale in 2/100Nm on my torquewrench

& the homemade frontrest I use for testing.

8th picture: the differene in position of bedding bolts with change of 2/100 and 1/100NM of torque

9th picture: the vertical differece in hits between cartridge with powder in front or in the back of the cartridge.

All tests are done shot in prone from the shoulder using the home made frontrest, same rifle with standard sights and same ammo, changing only the torgue or the rimmthickness, on an open 50m range with windflags under optimum weather conditions.

I have tested several torque wreches, all of the same make and type, but they all gave different readings. I have learned that you can only give accurate torque by using the same torquewrech all the time.

kind regards,

Albert T (The Netherlands)