

Report# 920431

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Work Order# 481167

MODEL 700 STAINLESS STEEL, DESIGN ACCEPTANCE

REPORT TEXT:(cont.)

**MEASUREMENTS:**

Trigger pull, safety button on/off forces, headspace, bolt opening force and firing pin indent were taken on all thirty-two rifles.

Following is a list of instruments used for measurements:

Trigger pull: Chatillon Model IN-10 spring scale

Safety button forces: Hunter LO-10 spring scale

Bolt opening force: Hunter L-20 spring scale

Headspace: B-83853-A Belt plugs were used for 300 Win Mag, 338 Win Mag, 7mm Rem Mag, 7mm Weatherby Mag.

B-73438 Clymer headspace plugs were used for 3006, 2506, and 270 calibers.

B-81578 Clymer headspace plugs were used for 280 caliber.

Firing Pin indent: A crusher holder 300 Win was used for all four magnum calibers.

B-1-82744 crusher holder was used for 280 Rem. caliber.

B-2-54337 crusher holder was used for 3006, 2506, & 270.

**FUNCTION/ENDURANCE:**

One rifle of each caliber was tested to 10,000 rounds and one to 4000 rounds.

The endurance/function testing was done in the Research shooting room located in building 52-1-A.

The following ammunition types were used in the function/endurance test:

CALIBER	ORDER#	DESCRIPTION	ROUNDS
7MM REM MAG	R7MM2	Rem. 150gn. Pointed Soft Point Core-Lokt	5200
	R7MM3	Rem. 175gn. Pointed Soft Point Core-Lokt	5200
	P7RE	Fed. 165gn. Boat-tail Soft Point	900
	7RB	Fed. 175gn. Hi-Shok Soft Point	800
	7RA	Fed. 150gn. Hi-Shok Soft Point	1000
	17021	Norma 150gn.	400
	X7MMR1	Win. 150gn. Power Point	300
	X7MMR2	Win. 175gn. Power Point	200
<b>TOTAL</b>			<b>14000</b>
300 WIN MAG	R300W1	Rem. 150gn. Pointed Soft Point Core-Lokt	6800
	R300W2	Rem. 180gn. Pointed Soft Point Core-Lokt	6800
	X30WM1	Win. 150gn. Power Point	200
	X30WM2	Win. 180gn. Power Point	100
	X30WM3	Win. 220gn. Silver Tip	100
<b>TOTAL</b>			<b>14000</b>
7MM WEATHERBY MAG	R7MWB1	Rem. 140gn. Pointed Soft Point	5600
	R7MWB2	Rem. 175gn. P.S.P. Core-Lokt	5500
	17031	Weatherby 139gn.	1300
	17032	Weatherby	200
	17035	Weatherby 175 gn.	1400
<b>TOTAL</b>			<b>14000</b>