

M700 XMP Externally Adjusted Trigger
Load To Failure

Parts from 1st Sample Run from PMPD. (1000 piece run)
Parts Plated at Component Technology.

Method;
Triggers were built into a fire control.
A string was placed around the trigger on the trigger bow.
A Chatillion force gage was used to pull on the string, parallel to the bore, to trigger failure.
The maximum load at failure was recorded.

Results:

Sample	Low Dens. Plated (lbs)	Low Dens. Plated No Bake
1	76	71
2	69	74
3	67	81
4	80	70
5	72	87
6	84	
7	66	
8	70	
9	71	
10	73	
11	68	New Fire Control
12	56	
13	67	
14	67	
15	62	
16	61	SAAMI 4-Way Push Test First
17	64	SAAMI 4-Way Push Test First
18	64	SAAMI 4-Way Push Test First
19	62	SAAMI 4-Way Push Test First
20	61	SAAMI 4-Way Push Test First
Average	68	
Max	84	
Min	56	

Correlation

Overall Density (g/cm3)
7.355
7.308
7.281
7.353
7.357
7.333
7.290
7.366
7.363
7.309
7.307
7.298
7.374
7.302
7.287
7.294
7.339
7.312
7.290
7.270
7.32
7.37
7.27
0.57