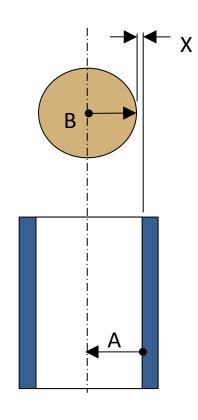
Design Requirement
ball must not be too tight in barrel (LSL)
ball must not be too lose in barrel (USL)

	Failure Mode if Requirement is not met
(	difficult/impossible to load musket ( <lsl)< th=""></lsl)<>
ļ	ball does not exit barrel with lethal velocity (>USL)

Χ	X LSL	X USL	X RANGE
	+0.100	+0.300	0.200

Target X	+0.200	±0.100

	±	component	from	to	nominal	tolerance	contrib	remarks
Α	+	BARREL	edge	centre	9.200	±0.030	30%	
В	-	BALL	centre	edge	9.000	±0.070	70%	
С	+						0%	
D	+						0%	
Е	+						0%	
F	+						0%	
G	+						0%	
Н	+						0%	
1	+						0%	
J	+						0%	
K	+						0%	
L	+						0%	
М	+						0%	
Ν	+						0%	
0	+						0%	
Р	+						0%	
Q	+						0%	
R	+						0%	
S	+						0%	
				Actual X	+0.200	±0.100	100%	



X MIN	X MAX	X RANGE	tol used
+0.100	+0.300	0.200	100%
<lsl< td=""><td>&gt;LSL<usl< td=""><td>&gt;USL</td><td></td></usl<></td></lsl<>	>LSL <usl< td=""><td>&gt;USL</td><td></td></usl<>	>USL	
0%	100%	0%	100%
0.00%	99.99%	0.00%	

Major Uncertainties/Assumptions
None

Conclusions
Analysis is accepted

Recommendations

Make Go/No Go gauges for both barrel and ball