M/710 Firing Pin Indent Data (DAT - Phase II)

Pp	*	Targ	*	Mean	1.72E-02	%>USL Exp		PPM>USL Exp	
PPU	*	USL	*	Mean+3s	2.03E-02	Obs	*	Obs	
PPL	1.05	LSL	0.014	Mean-3s	1.41E-02	%<LSL Exp	0.09	PPM<LSL Exp	852
Ppk	1.05	k	*	s	1.03E-03	Obs	0.00	Obs	0
Cpm	*	n	30.000						

Data for the 30 DAT guns are as follows:

Average	.0172 in.
Std. Dev.	.0010 in.
Max.	.019 in.
Min.	.015 in.

Given this data I have generated a chart below that shows the relationship between Lower Spec. Limit and Yield.

Lower Spec. Limit (in.)	% Population Below Limit
.0140	.09 % (approx. 1 in 1,000)
.0145	.40 % (approx. 4 in 1,000)
.0150	1.53 % (approx. 15 in 1,000)
.0155	4.69 % (approx. 47 in 1,000)
.0160	11.73 % (approx. 117 in 1,000)

ET07298