

Calibre:	.308 Win		Rifle:	DTS	Cases:	Llapua	P01055201/1101617	Bullet:	SMK HPBT	175gn	Cartridge	COAL	OTB	BTS
Scope:	PMII	5.25X56	Barrel Twist Rate: 1 in	8	Case Length	50.95mm	2.006"	Bullet Ballistic Coef:	0.243		Datum to Lands	2.8385"	2.2525"	1.627"
Adjust:		SPHUR 4	Powder:	Vv N-140 28/05/2018	Capacity	gn H2O		Bullet Seat Depth: -	0.474"		Loaded dim	71.13mm -	56.28mm	
Loaded	29/08/2020	44.2gn	Primer:	CCI J02K	Used once Fired, Annealed Brass						Bump			0.0015"
											Neck			0.335"
											Jump - Varying 10 to 65	0.040"	Varying 10 to 65	

  

Shot/series	OTB	QL	Round 1	Round 2	Round 3	Round 4	Round 5	Vmin.	Vmax.	Vave.	Extrm.	Std. Dev.	% inc.	% inc.	Bullet	Bullet	Bullet	Bullet/Group			
Jump	"	Vel (fps.)	Meas Vel (fps.)	Meas Vel (fps.)	Meas Vel (fps.)	Meas Vel (fps.)	Meas Vel (fps.)	(fps.)	(fps.)	(fps.)	Spread (fps.)	(%)	Load (%)	Velocity (%)	Min (r.p.m.)	Max (r.p.m.)	Ave (r.p.m.)	Group (cm)	Vert mm	Vert delta mm	Horiz mm
10	2.240		2659.00	2645.00	2645.00			2645.00	2659.00	2649.67	14.00	8.08			#DIV/0!	#DIV/0!	#DIV/0!	0.90			
15	2.235		2659.00	2662.00	2662.00			2659.00	2662.00	2661.00	3.00	1.73	-0.22	0.43	#DIV/0!	#DIV/0!	#DIV/0!	0.40			
20	2.230		2658.00	2657.00	2661.00			2657.00	2661.00	2658.67	4.00	2.08	-0.22	-0.09	#DIV/0!	#DIV/0!	#DIV/0!	0.30			
25	2.225		2650.00	2668.00	2679.00			2650.00	2679.00	2665.67	29.00	14.64	-0.22	0.26	#DIV/0!	#DIV/0!	#DIV/0!	0.60			
30	2.220	2366.000	2657.00	2667.00	2673.00			2657.00	2673.00	2665.67	16.00	8.08	-0.22	0.00	#DIV/0!	#DIV/0!	#DIV/0!	0.40			
35	2.215	2368.000	2668.00	2664.00	2660.00			2660.00	2668.00	2664.00	8.00	4.00	-0.23	-0.06	#DIV/0!	#DIV/0!	#DIV/0!	0.30			
40	2.210		2673.00	2663.00	2660.00			2660.00	2673.00	2665.33	13.00	6.81	-0.23	0.05	#DIV/0!	#DIV/0!	#DIV/0!	0.10			
45	2.205		2668.00	2671.00	2672.00			2668.00	2672.00	2670.33	4.00	2.08	#REF!	#REF!	#DIV/0!	#DIV/0!	#DIV/0!	0.65			
50	2.200		2679.00	2676.00	2666.00			2666.00	2679.00	2673.67	13.00	6.81	-0.23	0.12	#DIV/0!	#DIV/0!	#DIV/0!	0.50			
55	2.195		2662.00	2681.00	2673.00			2662.00	2681.00	2672.00	19.00	9.54	-0.23	-0.06	#DIV/0!	#DIV/0!	#DIV/0!	0.65			
60	2.190		2656.00	2663.00	2673.00			2656.00	2673.00	2664.00	17.00	8.54	-0.23	-0.30	#DIV/0!	#DIV/0!	#DIV/0!	0.50		0	
65	2.185		2670.00	2655.00	2656.00			2655.00	2670.00	2660.33	15.00	8.39	-0.23	-0.14	#DIV/0!	#DIV/0!	#DIV/0!	0.55		0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	-100.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
								0.00	0.00	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			0	
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Comments			
Date	04/10/2020	Barrel fouling -	40k pulled third round down - group does not include this round.
Location	Steve Smiths Shooting Ground - Pipe Range	Let Barrel cool down after EACH series - 1MIN	35k pulled 1st round left - group does not include this round.
Range	100m	Each series uses same POA, but with step change in	25k pulled 2nd round up. - group does not include this round.
Position	Bench	reticule settings	20k pulled 3rd round right - group does not include this round.
Temp	14.0		deleted 1st set @ 45k obviously rifle/operator rusty!!!
Density Alt	419.0		consider sweet spot to be again the range 15 & 20k, although there is a good spot at 35 & 45K
Elevation	65M OS MAP		
RH	86.4		
SP hpa	977.0		
Wind	n/a		
Wind	n/a		
Conditions	Fair		