

.25 x 45 SHARPS

Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1-10"

Components:

Case: Winchester

Trim-to Length: 1.750"

Primer: WSR

Remarks:

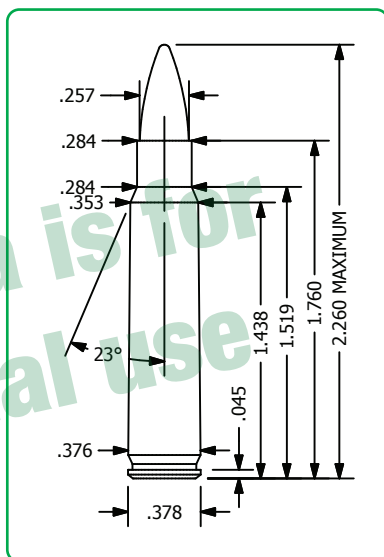
Cartridge tinkers have strived to improve .223 Remington ballistics for some time. Successful examples include the 6.5mm and 7mm TCU cartridges. Others began this quest while also operating within AR 15 parameters, with cartridges such as the .300 Blackout/Whisper and .270 Wolverine. One of the most successful .223 based AR cartridges is the .25 x 45 Sharps. Nothing more than the .223 necked up to accept .257 caliber bullets, the round makes a fine AR compatible varmint, predator and deer/hog cartridge. Credit for its inception goes to Sharp Rifle Company's (SRC) CEO, Michael H. Blank, the first to submit it for SAAMI consideration.

The .25 x 45 Sharps allows near .250 Savage energy delivery, without sacrificing AR magazine capacity, by simply swapping barrel/upper on an existing .223/5.56 AR 15. Recoil is generally indistinguishable from the parent .223 Rem. Its only drawback comes with deer weight bullets, as when seated to standard AR 2.23 inch overall length ogives often extend inside the neck lip. Classic 87 grain, flat base .257 pills pushed to around 2,850 fps offer a good balance between killing energy and solving this dilemma, though the round can be loaded with anything from frangible 70 - 75 grain bullets to about 3,000 fps for varmints/predators, to beefier 117 grain big game bullets to around 2,300 fps.



Presently, properly headstamped .25 x 45 Sharps cases are available only through SRC as loaded ammo, but brass is easily resized from .223 Remington hulls. Western Powders Ramshot X Terminator and Accurate A2200, combined with Sierra's 75 grain HP Varminter and 87 grain SPT Varminter bullets, have generally provided the best accuracy results combined with top end velocities.

During a Texas axis deer hunt that 87 grain soft point got the job done on an eating fat buck at 308 laser measured yards, the deer traveling only 50 yards after impact. That shot tested the outer limits of this cartridge, but proved the .25 x 45 Sharps is big game ready.




Patrick Meitin, author "The Predator & Varmint Hunter's Guidebook"



75 X 45 SHARPS

		Bullet	Caliber	Weight	Type	C.O.A.L.				
		#1605	.257"	70gr.	BlitzKing	2.255"				
		#1600	.257"	75gr.	HP	2.255"				
Powder	Velocity	2500	2600	2700	2800	2900	3000	3100		
RE 7		21.3	22.0	22.8	23.5	24.3	25.0			
IMR 4198			20.1	21.1	22.0	22.9				
H4198				21.8	22.8	23.6				
H322				24.5	25.4	26.4	27.5			
LT 32				23.8	24.8	25.8	26.8			
A 2015				24.8	25.5	26.7				
RE 10x				23.3	24.2	25.1	26.0			
N130			21.6	22.2	23.0	23.9				
Benchmark			24.7	25.4	26.3	27.3				
H335			25.0	26.0	27.1	28.1				
IMR 8208 XBR			25.4	26.1	27.0	28.0				
TAC			24.7	25.6	26.8	28.2	29.9			
H4895		24.2	24.7	25.5	26.6	27.9				
N135				24.8	25.8	27.2				
Exterminator			24.7	25.8	26.9	28.0	29.1	30.2		
Power Pro Varmint		25.2	26.1	27.0	28.0	29.0	30.0			
Energy Ft. Lbs		971	1051	1133	1218	1307	1399	1493		
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs						
Accuracy Load	RE 10x	26.0	3000	1399						
Hunting Load	Exterminator	30.2	3100	1493						




25 X 45 SHARPS

Bullet	Caliber	Weight	Type	C.O.A.L.							
	#1610	.257"	87gr.	SPT	2.260"						
	#1615	.257"	90gr.	HPBT	2.260"						
	#1616	.257"	90gr.	BlitzKing	2.260"						

Powder	Velocity	2300	2400	2500	2600	2700	2800	2900
RE 7			20.6	21.4	22.2	22.9		
IMR 4198			19.4	20.6	21.5			
H4198			19.9	20.8	21.7	22.6		
H322				23.1	24.0	25.0		
LT 32				22.8	23.7	24.6		
A 2015				23.5	24.4	25.5		
RE 10x				22.1	23.0	23.9		
N130		20.3	21.2	22.1				
Benchmark					24.7	25.8		
H335				24.4	25.3	26.4		
IMR 8208 XBR					25.4	26.4		
TAC							28.3	30.0
H4895					25.3	26.4	27.5	
IMR 4895	23.6	24.5	25.5	26.5				
A 2495		24.1	25.0	26.1				
Exterminator					25.1	26.1	27.3	
Power Pro Varmint					26.1	26.9	28.0	
RE 15		24.6	25.5	26.6	27.8			
Varget	24.0	25.0	26.0	27.1				
Win 748					26.4	27.8		
CFE 223					27.1	28.2	29.4	30.6
AR Comp			23.7	24.8	26.0			
Energy Ft. Lbs		1022	1113	1207	1306	1408	1514	1624

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	Win 748	27.8	2700	1408
Hunting Load	TAC	30.0	2900	1624

75 X 45 SHARPS

	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#1620	.257"	100gr.	SPT	2.255"			
	#1625	.257"	100gr.	SBT	2.255"			
	#1628	.257"	100gr.	HPBT Match	2.260"			
Powder	Velocity	2150	2250	2350	2450	2550	2650	2700
RE 7		19.2	20.1	21.1	22.0			
IMR 4198		18.1	19.0	20.0	21.0			
H4198			19.1	20.3	21.3			
H322				22.6	23.7	24.8		
LT 32			21.5	22.5	23.5	24.4		
A 2015			22.8	23.6	24.5	25.5		
RE 10x			20.7	21.5	22.5	23.5		
N130		18.7	19.8	20.9	21.9			
Benchmark				23.4	24.3	25.4	26.7	
H335			23.0	24.0	25.1			
IMR 8208 XBR				24.2	25.1	26.2	27.6	
TAC					25.5	26.6	27.8	28.5
H4895				23.7	24.5	25.7		
IMR 4895				25.0	26.3			
N135				24.0	25.2	26.2		
Exterminator				23.5	24.4	25.7		
Power Pro Varmint				24.2	25.0	26.0	27.3	
RE 15				25.5	26.5	27.8		
Varget			24.6	25.6	26.7			
Win 748					26.4	27.5		
CFE 223					26.7	27.5	28.6	29.1
AR Comp			22.7	23.6	24.6	25.7		
Energy Ft. Lbs		1026	1124	1226	1333	1444	1559	1618
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	IMR 8208 XBR	27.6	2650	1559				
Hunting Load	TAC	28.5	2700	1618				
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>								