6 H 47mm (222 Rem Mag case)

Test Specifications:

Firearm Used: Remington 700

Barrel Length: 29"

Twist: 1 x 14"

Components:

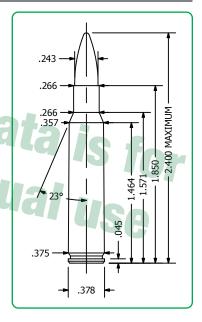
Case: Federal Match

Trim-to Length: 1.840"

Primer: Fed. 205M

Remarks:

The 6x47mm was conceived as a benchrest cartridge and was a popular chambering in the sport for many years. Based on the 222 Remington Magnum, the goals behind the 6x47mm were to utilize the higher ballistic coefficient of the 6mm match bullets, while maintaining the accuracy of the smaller 22 caliber



cases dominating competitive benchrest shooting at that time. While the 6x47mm met those goals, it developed a reputation as a finicky cartridge to work with. When the 6mm PPC burst onto the competitive scene, the 6x47mm (and most other calibers for that matter) were rapidly dropped in favor of the tack-driving newcomer. Today, the 6x47mm is a dead cartridge as far as competitive benchrest shooting is concerned.

Despite the comments above, the 6x47mm remains an excellent chambering for short- to medium-range varmint shooting. Effective to 250 yards or more, the 6x47mm has a mild report, very little recoil, good barrel life, and outstanding accuracy. Most 6x47mm rifles use barrels with a 1x14" twist, as did our test rifle. While this is sufficient to stabilize bullets up to around 75 grains, a faster twist is needed for heavier bullets. This should be considered if you plan to build a rifle for the 6x47mm. Bullets of 90 to 100 grains are better served by larger-capacity cases, such as the 6mm Remington and 243 Winchester.

Case forming for the 6x47mm is an uncomplicated task, requiring nothing more than a tapered expander in the sizing die. During our testing, we encountered several powders that provided high velocities and outstanding accuracy. Hodgdon's H322 and H335, as well as IMR-4198 and Win 748 have always been good choices for this cartridge. Sierra's 60 and 75 grain hollow-point bullets will provide the most explosive expansion for varmint hunters, while the 70 grain MatchKing is best reserved for paper punching. Although no longer a popular chambering in benchrest circles, the 6x47mm will no doubt continue to serve as a hunting cartridge for many years.

6 H 47MM [ZZZ REM MAG CASE]

	Bullet Calil	ber Weight 1	Гуре		C.O.A.L.
	#1500 .24	3" 60gr. H	НP		2.400"
	#1502 .243	3" 55gr. E	BlitzKing		2.400"
Powder ∨ Veloci	ity > 2800	2900 3000	3100	3200 330	0 3400
IMR-4198	20.1	20.9 21.7	22.5	23.2 23.9	24.6
IMR-3031	22.9	23.6 24.3	25.1	25.9 26.7	7
H322	24.2	25.1 26.0	26.8	27.7	
748	24.7	25.7 26.7	27.7	28.7	
H335	27.4	28.0 28.7	29.3	30.0 30.7	7
IMR-4895	24.5	25.3 26.1	27.0	27.8 28 .6	6
H380	25.9	27.1 28.3	29.5		
Energy Ft. Ibs	957	1027 1099	1173	1250 133	0 1412
Special Load	Powder	Grains	Velocity	fps Energy	y Ft. Ib
Accuracy Load	IMR-4895	27.0	3100	1173	
Hunting Load	IMR-4895	27.8	3200	1250	



6 x 47mm (222 Rem Mag case)

	Bullet Cali	ber Weight T	уре	C.O.A.L.
	#1505 .24	3" 70gr. H	IPBT MatchKing	2.400"
	#1507 .24	3" 70gr. B	litzKing	2.400"
Powder ∨ Veloc	ity > 2700	2800 2900	3000 3100	3200
IMR-4198	20.3	21.1 21.9	22.7 23.5	24.3
IMR-3031	22.8	23.5 24.2	24.9 25.6	Ton
H322		24.5 25.7	26.9 28.1	701
748	24.9	25.8 26.8	27.8 28.8	
H335		26.1 27.6	29.0 30.5	
IMR-4895	24.1	25.0 25.9	26.8 27.7	
H380	25.8	27.0 28.2	29.5	-6
Energy Ft. lbs	1133	1218 1307	1399 1493	1591
Snecial Load	Powder	Grains	Velocity fos F	neray Ft. Ih

25.9

26.8

2900

3000

1307

1399

UII had
redistribute.

IMR-4895

IMR-4895



Accuracy Load

Hunting Load

6 X 47mm (222 Rem Mag case)

	Bullet Calibe	r Weight T	ype	C.O.A.L.
	#1510 .243"	75gr. H	Р	2.400"
Powder ∨ Velo	ocity > 2700 2	800 2900	3000 3100	
IMR-4198	20.7 2	21.5 22.3	23.0	
IMR-3031	23.5	24.1 24.6	25.2 25 .7	
H322	24.0 2	24.8 25.6	26.5	
748	24.9 2	26.0 27.0	28.0 29.0	
H335	26.7 2	27.6 28.6	29.5	
IMR-4895	24.2 2	25.0 25.9	26.8 27.7	
H380	26.0 2	27.3 28.6	30.0	
Energy Ft. lbs	1214 1	305 1400	1499 1600	0
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	IMR-4895	25.9	2900	1400
Hunting Load	IMR-4895	26.8	3000	1499

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