

219 DONALDSON WASP

Test Specifications:

Firearm Used: Win M70 Custom

Barrel Length: 26"

Twist: 1 x 14"

Components:

Case: R-P reformed 30-30 case

Trim-to Length: 1.803"

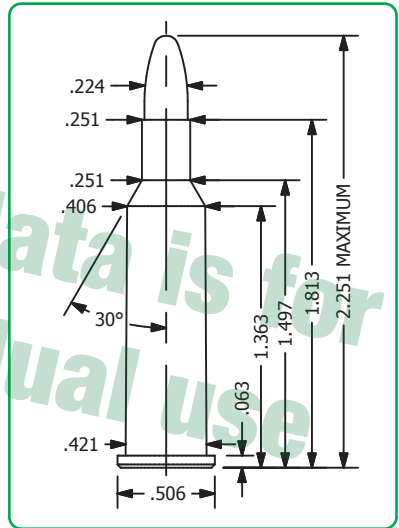
Primer: Rem 9 1/2

Remarks:




The 219 Donaldson Wasp was designed by Harvey Donaldson, a noted benchrest shooter, gunsmith, and experimenter. Donaldson began work on the Wasp in 1935, working through a variety of case lengths, shoulder angles, and even parent cases, before finalizing the design. Initially, Donaldson started working with the rimless 25 Remington, and some rimless versions may still be encountered. In the early 1940s, Donaldson settled on the 219 Zipper case, shortened and blown out, to the version shown here. In this form, the Wasp earned an enviable reputation for accuracy. In fact, prior to the introduction of the 222 Remington in 1950, most accuracy records in benchrest competition were held by the Wasp.

Since the 219 Zipper has faded in popularity, case forming will have to be accomplished using another member of this case family; the 25-35, the 32 Special, or most likely, the ever plentiful 30-30 Winchester. This is a somewhat tedious procedure, requiring a fair amount of trimming and neck reaming, but is well worth the effort to put a good shooting Wasp back in the field. As with any case forming operation, considerable care must be exercised to avoid pushing the shoulder back too far. If this occurs, the Wasp's rimmed design will give reliable ignition, but case life will be poor, and there is the very real possibility of head separations. If there is any doubt about which version of this cartridge your rifle is chambered for, a chamber cast is strongly recommended.

The 219 Donaldson Wasp was, and still is, an excellent cartridge. Like many other fine old cartridges, it has been pushed out of the mainstream by newer (but not necessarily better) developments.







Z19 DONALDSON WASP



Bullet	Caliber	Weight	Type	C.O.A.L.
	#1110	.223"	45gr. Hornet	2.115"
	#1210	.224"	45gr. Hornet	2.175"
	#1310	.224"	45gr. SPT	2.180"

Powder	Velocity	3300	3400	3500
IMR-4198	21.0	21.9	22.7	
IMR-3031	25.2	26.1	27.0	
BL-C (2)	26.8	27.8	28.8	
IMR-4895	28.3	28.9	29.5	
IMR-4064	27.9	28.7	29.4	
IMR-4320	29.4	30.1	30.7	
H380	31.0	32.0	33.0	
Energy Ft. lbs	1088	1155	1224	

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	IMR-4064	29.4	3500	1224
Hunting Load	IMR-4064	29.4	3500	1224





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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1320	.224"	50gr.	SMP	2.175"
	#1330	.224"	50gr.	SPT	2.180"
	#1340	.224"	50gr.	Blitz	2.180"
	#1450	.224"	50gr.	BlitzKing	2.180"
Powder	Velocity	3100	3200	3300	3400
IMR-4198		20.5	21.4	22.3	
IMR-3031		24.0	25.0	25.9	26.9
BL-C (2)		26.0	27.0	28.0	
IMR-4895		26.0	27.0	28.0	29.0
IMR-4064		26.8	27.5	28.2	28.9
IMR-4320		28.0	28.8	29.6	30.3
H380		29.0	30.2	31.4	32.5
Energy Ft. lbs		1067	1137	1209	1283
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb	
Accuracy Load	IMR-4064	28.2	3300	1209	
Hunting Load	IMR-4320	30.3	3400	1283	

	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1410	.224"	52gr.	HPBT MatchKing	2.180"
	#1400	.224"	53gr.	HP MatchKing	2.180"
Powder	Velocity	3100	3200	3300	3400
IMR-4198		20.3	21.3	22.3	
IMR-3031		23.4	24.4	25.4	
BL-C (2)		26.0	26.8	27.6	
IMR-4895		26.5	27.5	28.5	29.4
IMR-4064		26.0	27.3	28.5	
IMR-4320		27.6	28.6	29.6	
H380		28.8	30.0	31.2	
Energy Ft. lbs		1109	1182	1257	1335
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb	
Accuracy Load	IMR-4064	28.5	3300	1257	

Sierra does not recommend MatchKing bullets for hunting applications.

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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1345	.224"	55gr.	Blitz	2.180"
	#1350	.224"	55gr.	SMP	2.175"
	#1355	.224"	55gr.	FMJBT	2.180"
	#1360	.224"	55gr.	SPT	2.180"
	#1365	.224"	55gr.	SBT	2.180"
	#1390	.224"	55gr.	HPBT	2.180"

Powder	Velocity	3000	3100	3200	3300
IMR-4198	20.0	20.9	21.8		
IMR-3031	23.0	24.0	25.1	26.2	
BL-C (2)	25.4	26.4	27.3		
IMR-4895	25.5	26.5	27.6	28.6	
IMR-4064	25.5	26.5	27.4	28.3	
IMR-4320	27.5	28.2	28.9	29.5	
H380	27.7	29.0	30.3	31.5	
Energy Ft. lbs		1099	1173	1250	1330

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	IMR-4064	27.4	3200	1250
Hunting Load	IMR-4064	28.3	3300	1330