

400 CorBon

Test Specifications:

Firearm Used: Colt Combat Elite

Barrel Length: 5"

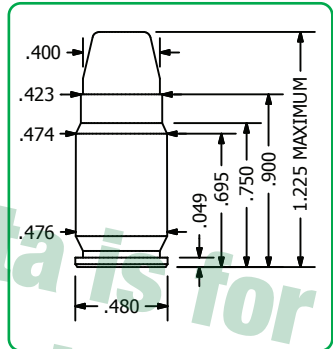
Twist: 1 x 16"

Components:

Case: Starline

Trim-to Length: 0.895"

Primer: CCI 300



Remarks:

Peter Pi of CorBon Ammunition developed the 400 CorBon by necking the .45 ACP case down to .40 (10mm). It was Pi's goal to make this cartridge design simple and functional. For most guns a simple drop in barrel is all that is needed to convert a .45 ACP to the 400 CorBon. It is possible to make the 400 CorBon cases from existing (new) .45 ACP brass, however formed brass with the correct headstamp is available from Starline and is recommended.

Because the 400 CorBon headspaces off the shoulder, it is important to maintain a distance from the base to the shoulder midpoint (datum line) of minimum .717", maximum .725". This dimension should be monitored carefully throughout the forming or sizing process. It is suggested that a tight bullet crimp be used. A roll crimp gives a much more effective hold than a taper crimp and is highly recommended. Care must be taken not to collapse the shoulder when crimping. Cannelure tools are available from 4 D Custom Die Company and can improve performance when loading the 400 CorBon.

It is usually not necessary to bell out the case mouth for bullet seating. Excessive belling of the case mouth may make it difficult to maintain a strong tension on the bullet when crimping. Best results with the 400 CorBon are with lighter bullet weights in the 135 to 165 grain range.

In the time since we developed this loading data, Starline has changed to a small primer pocket. CorBon suggests using a Winchester small rifle primer.

400 CorBon

Bullet Caliber Weight Type						C.O.A.L.
	#8425	.400"	135gr.	JHP		1.200"
Powder ∨	Velocity >	1150	1200	1250	1300	1350
Unique	7.3	7.8	8.3			
Univ. Clays	7.6	7.9	8.2	8.5	8.8	
HS 6	10.1	10.5	10.9	11.3		
WAP		8.9	9.4	9.9	10.4	
Viht N340	7.4	7.8	8.2	8.6	9.0	
540	10.4	10.8	11.2	11.6	12.0	
Herco	8.5	8.9	9.3	9.7	10.1	
Viht 3N37	9.2	9.5	9.8	10.1	10.4	
Energy Ft. lbs	396	432	468	507	546	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb		
Accuracy Load	540	11.6	1300	507		
Hunting Load	Herco	10.1	1350	546		

Bullet Caliber Weight Type							C.O.A.L.
	#8430	.400"	150gr.	JHP	1.200"		
Powder ∨	Velocity > 1000	1050	1100	1150	1200	1250	
Univ. Clays		7.0	7.3	7.6	7.9	8.2	
HS 6	9.0	9.4	9.8	10.2	10.6	11.0	
WAP	7.8	8.2	8.6	9.0	9.4	9.8	
Viht N340	6.8	7.1	7.4	7.7	8.0	8.3	
540	9.0	9.5	10.0	10.5	11.0		
Herco	7.6	8.0	8.4	8.8	9.2	9.6	
Viht 3N37	8.2	8.5	8.8	9.1	9.4	9.7	
A #7	10.7	11.1	11.5	11.9	12.3		
Energy Ft. lbs	333	367	403	440	480	520	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb			
Accuracy Load	Viht N340	8.0	1200	480			
Hunting Load	Viht 3N37	9.7	1250	520			

400 CorBon

Bullet Caliber Weight Type								C.O.A.L.
		#8445	.400"	165gr.	JHP			1.200"
Powder ∨	Velocity	> 900	950	1000	1050	1100	1150	1200
Univ. Clays			6.5	6.8	7.1	7.4	7.7	
HS 6		7.9	8.3	8.7	9.1	9.5	9.9	
WAP		6.7	7.1	7.5	7.9	8.3	8.7	9.1
Viht N340			5.9	6.3	6.7	7.1	7.5	7.9
540			8.5	8.9	9.3	9.7	10.1	
Herco			6.9	7.3	7.7	8.1	8.5	
Viht 3N37		7.4	7.7	8.0	8.3	8.6	8.9	9.2
A #7			10.1	10.5	10.9	11.3	11.7	
Energy Ft. lbs		297	331	366	404	443	484	527
Special Load		Powder	Grains		Velocity fps		Energy Ft. lb	
Accuracy Load		HS 6	9.5		1100		443	
Hunting Load		Viht 3N37	9.2		1200		527	

Bullet Caliber Weight Type								C.O.A.L.
		#8460	.400"	180gr.	JHP			1.200"
Powder ∨	Velocity	> 800	850	900	950	1000	1050	1100
Univ. Clays				6.1	6.3	6.5	6.7	6.9
HS 6		6.9	7.3	7.7	8.1	8.5	8.9	9.3
WAP			6.4	6.8	7.2	7.6	8.0	8.4
Viht N340				6.0	6.3	6.6	6.9	7.2
540				7.8	8.3	8.8	9.3	
Herco				6.5	6.9	7.3	7.7	8.1
Viht 3N37		6.5	6.8	7.1	7.4	7.7	8.0	8.3
A #7				9.0	9.4	9.8	10.2	10.6
Energy Ft. lbs		256	289	324	361	400	441	484
Special Load		Powder	Grains		Velocity fps		Energy Ft. lb	
Accuracy Load		WAP	8.4		1100		484	
Hunting Load		A #7	10.6		1100		484	