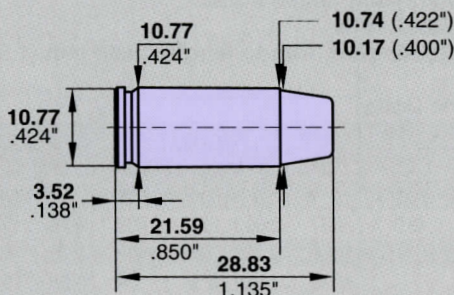


# .40 S.&W.

CIP max. dimensions in millimeters (inches)



Country of origin:	USA
Year of introduction:	1990
Max. bullet diameter:	10.17 mm (.400")
Max. cartridge length:	28.83 mm (1.135")
Max. shell length:	21.59 mm (.850"), trim to 21.40 mm (.840")
Max. CIP piezo pressure:	250 MPa (36200 psi)

The .40 S.&W. was developed as a joint-venture between Winchester and Smith & Wesson and introduced in 1989. In the late '80s the FBI of U.S.A. was working with the 10mm Auto-project, developing a load to meet their criteria for bullet diameter, weight and velocity. It was evident that the FBI requirements could be achieved using a shorter case, which would positively affect in the accuracy as well as allow use of a smaller grip frame. As a result a new 9mm Luger-length cartridge case was developed and the .40 S.&W. was born.

The very first pistols offered by Smith & Wesson in the .40 S.&W. were modified from the existing one chambered in 9mm Luger, the S&W Model 4006. Many working with law enforcement in the U.S.A. felt from the very beginning that the .40 S.&W. will be the cartridge of the future and significant changes in law enforcement sidearms will occur, even the switch to the 9mm had just begun among the law enforcement and military people worldwide.

If the .40 S.&W. will replace the 9mm Luger, the 45 ACP, the 38 Special or the .357 Magnum as a service cartridge, only the time will tell. The IPSC people have found the cartridge an affordable one for the IPSC standard class, offering "major" with good accuracy combined with tolerable recoil. The firearms chambered in the .40 S.&W. are compact offering large magazine capacity, an important factor for a serious IPSC shooter.

## TEST COMPONENTS:

**Test barrel:** 140 mm (5½"), 1 in 16" twist, manufactured to meet CIP minimum dimensions.

**Primers:** Small Pistol

**Cases:** Remington, trim-to length 21.40 mm (.842")

## Reloading Data, Metric Units:

Bullet				Powder	Starting Load			Maximum Load			
Weight [g]	Type	Mfg.	C.O.L. [mm]	Type	Weight [g]	[grs]	Velocity [m/s]	Weight [g]	[grs]	Velocity [m/s]	Pressure [MPa]
10.0	HP-XTP	Hornady	28.6	N320	0.34	5.2	337	0.38	5.9	363	max.
				N330	0.39	6.0	348	0.43	6.7	376	max.
				N340	0.39	6.0	345	0.45	6.9	381	max.
				3N37	0.47	7.3	357	0.53	8.1	392	max.
				N350	0.43	6.6	351	0.50	7.6	385	max.
10.0	FP	Rainier	28.6	N320	0.34	5.3	331	0.38	5.9	357	max.
				N330	0.39	6.0	344	0.43	6.7	373	max.
				N340	0.41	6.4	352	0.47	7.3	389	max.
				N350	0.46	7.2	357	0.52	8.1	395	max.
				3N37	0.49	7.5	359	0.55	8.5	394	max.
11.0	HP	Hornady	28.6	N340	0.34	5.3	313	0.40	6.1	346	max.
				3N37	0.39	6.0	322	0.45	7.0	355	max.
				N350	0.38	5.8	322	0.44	6.8	354	max.
11.7	HP	Speer	28.6	N340	0.35	5.5	305	0.40	6.1	338	max.
				3N37	0.38	5.8	303	0.44	6.8	340	max.
				N350	0.38	5.9	319	0.44	6.7	348	max.
13.0	TMJ	Speer	28.6	N340	0.30	4.7	267	0.35	5.4	298	max.
				3N37	0.33	5.1	265	0.39	6.0	301	max.
				N350	0.34	5.3	272	0.39	6.0	302	max.
				N105	0.49	7.5	321	0.52	8.0	345	max.

**INDICATES MAXIMUM LOAD - USE WITH CAUTION!**

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED

# .40 S.&W.

## Reloading Data, English Units:

Bullet				Powder	Starting Load		Maximum Load		
Weight [grs]	Type	Mfg.	C.O.L. [in.]	Type	Weight [grs]	Velocity [fps]	Weight [grs]	Velocity [fps]	Pressure [psi]
155	HP-XTP	Hornady	1.126	N320	5.2	1106	5.9	1191	max.
				N330	6.0	1142	6.7	1234	max.
				N340	6.0	1132	6.9	1250	max.
				3N37	7.3	1171	8.1	1286	max.
				N350	6.6	1152	7.6	1263	max.
155	FP	Rainier	1.126	N320	5.3	1086	5.9	1171	max.
				N330	6.0	1129	6.7	1224	max.
				N340	6.4	1155	7.3	1276	max.
				N350	7.2	1171	8.1	1296	max.
				3N37	7.5	1178	8.5	1293	max.
170	HP	Hornady	1.126	N340	5.3	1027	6.1	1135	max.
				3N37	6.0	1056	7.0	1165	max.
				N350	5.8	1056	6.8	1161	max.
180	HP	Speer	1.126	N340	5.5	1001	6.1	1109	max.
				3N37	5.8	994	6.8	1115	max.
				N350	5.9	1047	6.7	1142	max.
200	TMJ	Speer	1.126	N340	4.7	876	5.4	978	max.
				3N37	5.1	869	6.0	988	max.
				N350	5.3	892	6.0	991	max.
				N105	7.5	1053	8.0	1132	max.

**INDICATES MAXIMUM LOAD - USE WITH CAUTION!**

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED