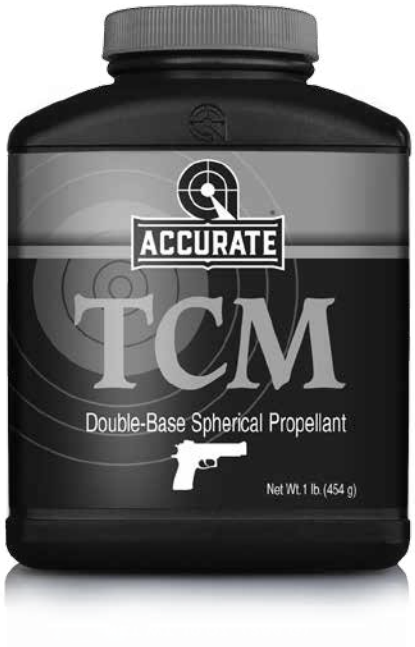
ACCURATE



LOAD DATA FOR
ACCURATE TCM

EDITION 1/2017

WESTERN POWDERS

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LOAD DATA

WARNINGS

This Guide is intended to be used as a reference. Each individual handloader must determine what is the best and safest load for their equipment. The loads described in this Guide were generated at the ballistics test facilities of Western Powders, Inc. in accordance with SAAMI (Sporting Arms and Ammunition Manufacturers' Institute) guidelines. All loads are fired through test barrels and individual results fired through different firearms may vary. The handloader is cautioned to read and follow safe reloading practices such as those outlined in the NRA Guide to Reloading before attempting to reload any cartridge.

DISCLAIMER

Western Powders, Inc. has developed this Guide to provide the handloader with current data for reloading Accurate and Ramshot powders. This Guide is not intended to be a reloading textbook, but rather a list of recommended loads for Accurate and Ramshot powders. As Western Powders, Inc. has no control over the actual reloading procedures and methods being used, or the condition or choice of firearms and components used, no responsibility for the use of this data is implied or assumed.

The buyer/user assumes full responsibility, risk, and liabilities for all injuries (including death), damages, and/or losses to persons or properties resulting from the use/misuse of these products. The ballistics data contained in this Guide was obtained at Western Powders' ballistics facilities under strictly controlled conditions and is applicable ONLY for Accurate and Ramshot powders. It is important to remember that equipment variations and different reloading techniques, as well as component variations, will most likely yield slightly different ballistics data. With this in mind, it is imperative that you do not exceed the maximum charge recommendations in this Guide and that you always start loading with the minimum powder charges in the loads illustrated.

POWDER WARNINGS

Smokeless powder is intended to function by burning. Therefore, it must be protected from exposure to flame, sparks, high temperatures and the sun's rays. When ignited, smokeless powder will normally continue to burn (and generate gas pressure) until the powder is entirely consumed. With this in mind:

1. **NEVER MIX OR SUBSTITUTE powders with other powders;**
2. Avoid open flames, combustible agents, and any spark-producing tools when handling powders;
3. Store powder in its original container in a cool/dry place;
4. Do not keep or use old or salvaged powders;
5. Check powder for deterioration on a regular basis. Deteriorated powder is detected by its noxious odor (not to be confused with solvents such as alcohol or ether).
6. Pour out only the amount of powder needed for the application being conducted;
7. If you accidentally spill powder, use a broom and dust pan to clean it up. DO NOT VACUUM the spilled powder;
8. Do not stockpile powder - store and utilize the amount of powder necessary for your current reloading needs;
9. Be certain that the powder container is empty prior to discarding.

NOTE: LOAD DATA IN THIS GUIDE SUPERSEDES ALL PREVIOUS ACCURATE AND RAMSHOT LOAD DATA.

Always use the latest Load Data.

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PRIMER WARNINGS

1. NEVER MIX PRIMERS of different makes;
2. Store primers in their original packaging in a cool, dry place. Exposure to heat causes primer deterioration;
3. Do not stockpile primers or store in bulk. Storing primers in this manner can lead to mass detonation if a primer ignites;
4. Do not de-cap live or new primers - fire them in the appropriate gun and then de-cap;
5. For best results, use the mildest primer consistent with good ignition;
6. Do not force primers. If there is resistance in seating or feeding primers, stop and investigate the cause of the problem;
7. Clean your hands before and after handling primers - oil contamination can affect the ignitability of the primer.

QUALITY CONTROL

Reloading provides an individual with a cost effective means of obtaining ammunition, while at the same time allowing for custom load assemblage. You, the individual handloader, are responsible for producing the ammunition that you will later shoot. The caution and diligence you put into your reloading process can be ultimately rewarding or disastrous depending upon the quality of your work.

1. Common sense and care must be practiced during all phases;
2. Follow load recommendations exactly.
3. ALWAYS START LOADING WITH THE MINIMUM POWDER CHARGE SHOWN;
4. Designate a work area to be used only for reloading and keep that area clean and orderly;
5. Label components and reloads for quick and easy identification;
6. Develop a reloading routine and follow it;
7. Understand what you are doing and why it must be done in a specific manner; Never reload when you are tired or distracted;
8. Wear safety glasses when reloading;
9. DO NOT smoke, eat, or drink in your reloading area or while you are reloading;
10. Keep your powder, reloading equipment and firearms secure from children;
11. Obey all laws and regulations regarding purchasing, quantity, and storage of powder(s).
12. When the case fill is less than 50% extreme care should be taken to avoid the possibility of double charging. Always check every round.

COMPANY ABBREVIATIONS

AK	Alaska Bullet Company
ALEX	Alexander Industries Inc.
BADMAN	Badman Bullets
BARNES	Barnes Bullets, LLC.
BME	Belt Mountain Enterprises
BERGER	Berger Bullets
BERRY	Berry's Manufacturing Inc.
BIB	Bibullets
CP	Cast Performance Bullet Company
FED	Federal Cartridge Company
FNH	Fabrique Nationale, Herstal
GSCB	GS Custom Bullets
HAWK	Hawk Inc.
HDY	Hornady Manufacturing Company
IMI	Israel Military Industry Ltd.
LAPUA	Nammo Lapua Oy
LC	Laser Cast, Oregon Trail Bullet Company
LHG	Lehigh Defense, LLC
LYMAN	Lyman Products Corp.
MCB	Montana Cast Bullets
MIL	Military
MSS	Mid-South Shooter's Supply
MTB	Mount Baldy Bullet Company
NORMA	Norma Precision AB
NOSLER	Nosler Inc.
PENN	Penn Bullets
RAIN	Rainier Ballistics LLC
REM	Remington Arms Company LLC
SF	SinterFire Inc.
SIERRA	Sierra Bullets
SPEER	Speer Bullets
STAR	Starline Brass Inc.
SWIFT	Swift Bullet Company
TS	True Shot, Oregon Trail Bullet Company
WBY	Weatherby Inc.
WIN	Winchester
WDL	Woodleigh Bullets

PRIMER ABBREVIATIONS

SP	Small Pistol
SPM	Small Pistol Magnum
LP	Large Pistol
LPM	Large Pistol Magnum
SR	Small Rifle
SRM	Small Rifle Magnum
LR	Large Rifle
LRM	Large Rifle Magnum

OTHER ABBREVIATIONS

CIP	Commission Internationale Permanente
CUP	Copper Units of Pressure
SAAMI	Sporting Arms and Ammunition Manufacturers' Institute
C	Compressed Powder Charge

BULLET ABBREVIATIONS

A-BOND	Accubond
A-Bond LR	Accubond Long Range
A-MAX	A-Max Match Bullet (Hornady)
AF	A Frame
B-L	Blood Line
B-TIP	Ballistic Tip (Nosler)
BAND-S	Banded Solid
BB	Bevel Base
BK	BlitzKing
B-PIN	Bowling Pin
BST	Ballistic Silver Tip, Combined Technology
BSTR	Buster (Barnes)
BT-FMJ	Boat Tail - Full Metal Jacket with Cannelure
BT-MB	Boat Tail - Match Burner
BTHP	Boat Tail Hollow Point
BTHP-M	Boat Tail Hollow Point - Match
BTLF	Ballistic Tip Lead-Free
BTSP	Boat Tail Spire Point
BTT	Boat Tail Target
BTTLR	Boat Tail Target Long Range
BTV	Boat Tail Varmint
CT	Combined Technologies, Olin/Nosler
CTRN	Combined Technologies Round Nose
DBB	Double Beveled Base
E-TIP	Polymer Tip, Lead-Free
FB	Flat Base
FB-MB	Flat Base-Match Burner
FBT	Flat Base Target
FBV	Flat Base Varmint
FMJ	Full Metal Jacket
FMJ-BT	Full Metal Jacket Boat Tail
FMJ-CT	Full Metal Jacket - Combat/Target
FN	Flat Nose
FN-O	Flat Nose Original (Barnes)
FNSP	Flat Nose Soft Point
FP	Flat Point
FPJ	Full Profile Jacket
FS	Fail Safe, Combined Technology
FTX	Flexible Tip Technology
GC	Gas Check
GDHP	Gold Dot Hollow Point
GK	GameKing
GMX	Gilding Metal Expanding
GS	Golden Saber
GSLAM	Grand Slam
HB	Hollow Base
HORNET	Bullet intended for .22 Hornet velocities
HP	Hollow Point
HPFB	Hollow Point Flat Base
HP/FN	Hollow Point Flat Nose
HP-V	Hollow Point Varminter
HP "Bee"	Hollow Point for Tube Fed Rifles
HPBT	Hollow Point Boat Tail
HPBT-CC	Hollow Point Boat Tail Custom Competition
HPFB	Hollow Point Flat Base
JHC	Jacketed Hollow Cavity
JHP	Jacketed Hollow Point
JSP	Jacketed Soft Point
KSPB	Keith-Style Piston Bullet
(L)	Lead
LFNGC	Long Flat Nose Gas Check
LFNPB	Long Flat Nose Plain Base
LRX	Long Range X Bullet
LRX BT	Long Range X Bullet BT
M 855	US Military Enhanced Penitrator
M-HYB	Match Hybrid
M-TSP	Mag-Tip Soft Point
MIL	Typical Military Ball
MK	Match King
MMF	Match Mag Feed
MPG	Multi-Purpose Green
MRX	Maximum Range X Bullet
NTP	Narrow Taper Point
NTX	Non-Toxic Expanding
(P)	Plated Bullet
PART	Partition
PH	Pro-Hunter
PLINKR	Plinker Lead-Tipped Short-Jacket
PSP CL	Pointed Soft Point Core Loct
PUNCH	Punch Bullet, BME
RHFP	Reduced Hazard Flat Point
RN	Round Nose
RNDS	Round Nose Double Strike
RNFP	Round Nose Flat Point
RNFPGC	Round Nose Flat Point Gas Check
RNSWC	Round Nose Semi Wadcutter
RS	Radiused Shoulder
SBT	Spitzer Boat Tail (Sierra)
SBTSP	Spitzer Boat Tail Spire Point (Speer)
S-SPTZ	Semi-Spitzer
SCENAR	Match Boat Tail (Lapua)
SCIR	Scirocco
SLD	Solid
SMP	Semi Point
SP	Spire Point or Soft Point
SPHJ	Soft Point Heavy Jacket
SPSX	Spire Point Super Explosive
SPT	Spitzer (Sierra)
SPT-V	Spitzer Varmint
SPZSP	Spitzer Soft Point (Speer)
SSP	Single Shot Pistol
SSSP	Semi-Spitzer Soft Point
SST	Super Shock Tipped
SWC	Semi Wadcutter
SWCBB	Semi Wadcutter Beveled Base
TAC-TX	Tactical Tipped X-Bullet M/LE
TAC-X BT	Tactical X Bullet Boat Tail
TAC-XP	Tactical X-Bullet M/LE
TC	Truncated Cone
TCBB	Truncated Cone Beveled Base
T-HEAD	Thunder Head
THOTM	Tactical Hybrid Open Tip Match
TMJ-FN	Total Metal Jacket - Flat Nose
TNT-HP	Varmint Hollow Point (Speer)
TRN	Total Copper Jacket Round Nose
TSX	Triple Shock X-Bullet
TSX-BT	Triple Shock Boat Tail
TSX-FB	Triple Shock Flat Base
TTSX	Tipped Triple Shock X-Bullet
V-MAX	V-Max Varmint Bullet (Hornady)
VAR	Varmint Bullet (Berger)
VARM	Varminator
VARMG	Varmageddon
VARMGT	Varmageddon Tipped
VG	Varmint Grenade
VLC	Varmint bullet with Dry Lubricant Coating
VLD	Very Low Drag
VNX	Varmint Nightmare X-treme
WBFPGC	Wide Base Flat Point Gas Check
WC	Wadcutter
WCDBB	Wadcutter Double Base Beveled
WCSGG	Wadcutter Single Grease Groove
WFNGC	Wide Flat Nose Gas Check
WFNPB	Wide Flat Nose Plain Base
WFPGC	Wide Flat Point Gas Check
WLCPP	Weldcore Protected Point
WLNGC	Wide Long Nose Gas Check
WNFPGC	Wide Nose Flat Point Gas Check
WNGC	Wide Nose Gas Check
WTP	Wide Taper Point
X	X Bullet
XBT	X Boat Tail Bullet
XFB	X Flat Base Bullet
XPB	X Pistol Bullet
XTP	Extreme Terminal Performance

UNDERSTANDING THE DATA

1. **BULLET WEIGHT** - this column indicates the actual weight of the bullet used (measured in grains)
2. **BULLET MAKE** - this column shows the manufacturer of the bullet used *(see page 19 for abbreviation list)*
3. **BULLET TYPE** - this column indicates the brand name and/or specific type of bullet used *(see page 19 for abbreviation list)*
4. **START LOAD** - this column defines the weight of powder you should always use to start your load testing with the specific powder listed (measured in grains)
5. **START VELOCITY** - this column indicates the actual bullet velocity measured by our ballistics lab (measured in feet per second) when using the start load of powder
6. **MAX LOAD** - this column defines the maximum weight of powder you could use in your load testing with the specific powder listed (measured in grains). NEVER EXCEED THIS MAXIMUM LOAD as it can create a very dangerous load combination.
7. **MAX VELOCITY** - this column indicates the actual bullet velocity measured by our ballistics lab (measured in feet per second) when using the maximum load of powder
8. **MAX PRESSURE** - this column indicates the pressure of the maximum load tested (measured in pounds per square inch).
9. **COL (CARTRIDGE OVERALL LENGTH)** - this column provides the length of the loaded cartridge used in our tests. It is measured from bullet tip to the bottom of the case (in inches). *See Special Note on COL below.*
10. **COMP. LOAD** - this column indicates a compressed powder charge. *(Rifle section only)*

1	2	3	4	5	6	7	8	9	10
Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load

17 HORNET

Barrel: 24" ¦ Twist: 1-10" ¦ Primer: WIN WSR ¦ Bullet Diameter: 0.172"
Case: HORN ¦ Max Case Length: 1.340" ¦ Trim Length: 1.330"

ACCURATE 5744									
20	HDY	V-MAX	10.1	3,097	11.2	3,412	47,498	1.711	C
20	NOSLER	VARMGT	10.1	3,106	11.2	3,424	49,018	1.720	
25	BRG	VARMNT	9.5	2,828	10.5	3,125	49,674	1.720	
25	HDY	V-MAX	9.4	2,786	10.5	3,070	49,298	1.711	
ACCURATE 1680									
20	HDY	V-MAX	10.0	3,183	11.2	3,493	49,657	1.711	
20	NOSLER	VARMGT	10.1	3,203	11.2	3,483	49,354	1.720	
25	BRG	VARMNT	9.0	2,862	9.8	3,041	49,156	1.720	
25	HDY	V-MAX	9.0	2,724	10.0	2,983	49,046	1.711	
ACCURATE LT-30									
20	HDY	V-MAX	10.8	3,093	12.0	3,404	47,324	1.711	C
20	NOSLER	VARMG	10.9	3,139	12.1	3,423	47,685	1.720	C
25	BERGER	VARM	9.9	2,771	11.0	3,071	49,768	1.720	C
25	HDY	V-MAX	10.3	2,801	11.4	3,093	49,868	1.711	C
ACCURATE LT-32									
25	BERGER	VARM	10.4	2,789	11.6	3,083	49,768	1.720	C
ACCURATE 2200									
20	HDY	V-MAX	11.7	3,203	13.0	3,553	49,669	1.711	C
20	NOSLER	VARMGT	11.9	3,297	13.2	3,606	49,934	1.720	C
25	BRG	VARMNT	10.8	2,946	12.1	3,235	49,267	1.720	
25	HDY	V-MAX	11.2	2,930	12.4	3,223	48,714	1.711	C

GENERAL GUIDELINES:

- **Always begin loading at the minimum "Start Load"**
- **Increase in 2% increments towards the Maximum Load**
- **Watch for signs of excessive pressure**
- **Never exceed the Maximum Load**

NOTES ON CARTRIDGE OVERALL LENGTH

- Cartridge Overall Length (COL) is an important measurement that sets both bullet protrusion into the chamber and usable space within a cartridge.
- In pistol cartridges, the tested COL should be followed closely. Seating bullets more deeply into the case will increase pressure.
- Overall length in rifle cartridges may be moved more freely to fit individual chambers.

Western Powders would like to thank the following companies for their continued support in our efforts to provide this reloading information:

- Barnes Bullets, Inc.
- Berger Bullets
- Berry's Manufacturing
- Cast Performance Bullet Company
- Crimson Trace
- Federal Cartridge
- Hornady
- Montana Cast Bullets
- Montana Gold
- Nosler
- Oregon Trail Bullet Company
- Rainier Bullets
- Redding Reloading Equipment
- Remington
- Sierra Bullets
- Swift Bullets
- Winchester
- Woodleigh Bullets

WESTERN POWDERS

ACCURATE TCM

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)

22 TCM

Barrel: 5" ¦ Twist: 1-12" ¦ Primer: CCI 500 ¦ Bullet Diameter: 0.224"
Case: Armscor ¦ Max Case Length: (Consult with Firearm Manufacturer)

ACCURATE TCM

35	HDY	V-MAX	9.1	1,918	10.2	2,095	38,362	1.290
39	Armscor	HP	8.5	1,806	9.4	1,943	38,188	1.150
40	SIERRA	HP	8.7	1,807	9.6	1,958	38,193	1.285

357 MAGNUM

Barrel: 6" ¦ Twist: 1-18.75" ¦ Primer: WIN WSPM ¦ Bullet Diameter: 0.357"
Case: WIN ¦ Max Case Length: 1.290 " ¦ Trim Length: 1.280"

ACCURATE TCM

140	BARNES	XPB	11.5	1,075	13.5	1,294	34,768	1.590
140	SIERRA	JHC	11.5	1,216	13.6	1,446	33,869	1.580
158	SPEER	JHP	10.3	982	12.1	1,232	33,846	1.580
170	SIERRA	FMJ	10.2	992	12.0	1,201	33,386	1.580
200 (L)	CP	WLNGC	9.3	997	10.9	1,158	33,919	1.610

41 REMINGTON MAGNUM

Barrel: 10" ¦ Twist: 1-18.75" ¦ Primer: FED 155 ¦ Bullet Diameter: 0.410"
Case: REM ¦ Max Case Length: 1.290" ¦ Trim Length: 1.280"

ACCURATE TCM

170	SIERRA	JHC	17.8	1,594	20.9	1,838	34,286	1.586
210	NOSLER	JHP	15.0	1,346	17.6	1,545	33,862	1.590
215 (L)	LC	SWC	15.5	1,435	18.3	1,633	34,582	1.600
250 (L)	CP	WFNPB	13.8	1,273	16.3	1,451	34,582	1.674
255 (L)	CP	WFNGC	13.9	1,270	16.4	1,443	34,857	1.662
265 (L)	TS	WNFPGC	13.2	1,223	15.6	1,405	34,628	1.720

45 COLT 30,000 PSI - HIGH PRESSURE LOADS

Barrel: 7.26" ¦ Twist: 1-16" ¦ Primer: REM 2 ½ ¦ Bullet Diameter: 0.452"
Case: REM ¦ Max Case Length: 1.285" ¦ Trim Length: 1.275"

ACCURATE TCM

255 (L)	LC	SWC	18.7	1,282	22.0	1,457	28,967	1.604
300 (L)	LC	FP	15.6	1,093	18.4	1,277	28,382	1.566
325 (L)	MBW	SWCGCDC	14.7	1,030	17.3	1,191	29,659	1.570
335 (L)	CP	WLNGC	15.2	1,048	17.9	1,220	28,637	1.665
360 (L)	CP	WLNGC	14.4	981	16.9	1,163	28,539	1.670
395 (L)	CP	WLNGC	13.2	914	15.6	1,073	28,643	1.670