

### **Reloading Data for Sabots**

Our sabots allow .30 caliber firearms to shoot .224 caliber bullets at substantially increased velocities. The sabot nylon resin material is extremely heat resistant and offers less wear on the barrel. The barrel does not experience a buildup of copper or lead residues and any sabot material is easily cleaned. Upon exiting the barrel, the sabot flowers away allowing the .224 rifle bullet to fly normally.



**Big Accuracy Requirement** - Before firing sabots in any gun, clean the copper and lead fouling out of that barrel. If you don't accuracy will suffer.

**Big Safety Requirement** - Never fire sabots in barrels that have muzzle brakes. Premature flowering in the brake could act as a barrel obstruction.

**Use 50-60 Grain Bullets** - The rifling twist rate on most .30 calibers is 1:12 or 1:10. For .224 caliber bullets, this twist rate is best suited to bullets in the 50-60 gr. weight range.

### A General Approach to Loading Saboted Cartridges...

Always start with light loads and "work up" your loads to find what functions and shoots best in your firearm. **NEVER USE LOAD DATA AS THOUGH IT WERE AN EXACT RECIPE.** Every barrel and chamber is different and pressures peak at different levels. Load data is merely a reference or a hint of where to start, what powders to use, and what the potential results might be. Here is the best way to proceed...

**First,** check below to see if the cartridge you want to load with sabots is listed in our computer generated loading reference/data. If it is, use that data.

**Second,** check in loading manuals to find .224 caliber cartridges that may have the same or close case capacity to the .30 caliber cartridge you are working with. For example, 22-250 is close to our 300 Bench Rest Magnum in case capacity. So if you wanted to load sabots in the 300 BRM, you could reference some possible starting load data from 22-250... get an idea of what powders to use and the potential velocities to achieve.

### 077-SABKIT Sabot Loader's Starter Kit

Kit Includes: 100 Sabots Plus Bullet Seater Die

077-SAB .224/.30 Sabots (100)

077-SAB5 .224/.30 Sabots (500)

077-SNBS Bullet Seater Die

077-90798 Sabot Neck Flaring Die

Sabot Loading Reference Data is listed on the following pages.

\*CAUTION\*--CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS

\*CASE CAPACITY CALCULATIONS\*

DISPLACED WATER FULL CASE CAPACITY (GR WATER) CASE LENGTH (IN)= OVERALL CARTRIDGE EFFECTIVE WATER CAPACITY OF CASE BULLET SEATING DEPTH BARREL LENGTH BULLET LENGTH (IN) BULLET DIAMETER (IN)= CARTRIDGE TYPE -WT. TYPE= (NI) (GR) LENGTH (IN) -.308 WIN (IN) .22/Sabot (GR) -2.5 2.005 56 .72 4.231 4.231 51.769 20.22

EFFECTIVE BARREL LENGTH (IN)

## \*\* LFD1 CARTRIDGE LOAD DEVELOPMENT \* 04-26-1993

EST. SECTIONAL DENSITY = .083
CARTRIDGE TEMPERATURE = 70 EST. CHARGE/BULLET WT = POWDER TYPE: IMR-4198/RX7/S-4197 \*CK MANUAL\* POWDER CLASS: FAST POWDERS SECTIONAL DENSITY = CASE CAPACITY = CALIBER = .308 IN CARTRIDGE DATA POWDER CLASS: ALTERNATE POWDER SELECTION NOT AVAILABLE ALT POWDER TYPE: FOR STARTING LOADS REDUCE CALC. POWDER CHARGE BY PEAK PRESSURE = MUZZLE VELOCITY = POWDER CHARGE = 41.4 51.769 GR OF WATER .308 WIN 0.753 BULLET 38900 3800 WEIGHT = VOL. GR PSI FT/SEC RATIO = LOAD DEN = (CALC) 8.2 BARREL LENGTH BULLET DIAM = 79.9 AT LEAST 10% \*\*\* II .308 20.22 308 IN H

### \* ALTERNATE LOAD INFORMATION \*\* 04-26-1993

LOAD DENSITY POWDER TYPE -CARTRIDGE DATA -75 80 85 90 95 IMR-4198/RX7/S-4197 \*CK CHARGE WT. 49.2 46.6 41.4 38.8 .308 WIN GR VELOCITY 4000 3800 4300 3600 4500 PPS MANUAL\* PRESSURE 43900 60900 54900 49300 38900 34200 PSI

control over components, equipment and methods used, no responsibility is implied or assumed for results obtained through its use. Data is for informational, non-commercial use only. Load data developed with "Load From A Disk I " software by Wayme Blackwell. Since the author has no

WARNING

!

HIGH PRESSURE -

REFERENCE ONLY!

### EFFECTIVE WATER CAPACITY OF DISPLACED BULLET SEATING DEPTH (IN) BARREL LENGTH (IN) BULLET LENGTH FULL CASE CAPACITY CASE LENGTH (IN)= OVERALL CARTRIDGE BULLET DIAMETER (IN)= BULLET WT. CARTRIDGE TYPE= -\*CAUTION\*--CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS TYPE= WATER (GR) (IN) LENGTH .30-06 (GR WATER) -- (NI) 22/Sabot CASE 2.484 2.9 (GR) 69 22 .72

外外 LFD1 CARTRIDGE LOAD DEVELOPMENT \* 04-26-1993

EFFECTIVE BARREL LENGTH (IN)

5.717 63.283 19.82

POWDER CLASS: ALTERNATE POWDER SELECTION NOT AVAILABLE CHARGE/BULLET WT = POWDER TYPE: IMR-3031, RX11, H-335, AA-2230, S-3032, POWDER CLASS: MEDIUM FAST POWDERS CARTRIDGE TEMPERATURE = 70 SECTIONAL DENSITY = CASE CAPACITY = 63.283 GR OF WATER (CALC) CALIBER = .308 IN ALT POWDER TYPE: CARTRIDGE DATA = FOR STARTING LOADS REDUCE CALC. PEAK PRESSURE = MUZZLE VELOCITY = 4200 POWDER CHARGE = 57.1 .30-06 1.038 .083 BULLET 44400 WEIGHT = VOL. DEG F PSI GR FT/SEC RATIO = LOAD DEN = POWDER CHARGE BY AT GR 6.8 BULLET BARREL 90.2 DIAM = WW-748, N-201 LEAST II .308 19.82 10% H \*\*\* NI

## \*\* ALTERNATE LOAD INFORMATION \*\* 04-26-1993

*	100	95	90	85	80	75	CARTRIDGE DATA - POWDER TYPE - IM LOAD DENSITY C
WARNING							DGE DATA TYPE - 1 ENSITY
HIGH	63.3	60.1	57.0	53.8	50.6	47.5	R-3031 HARGE
HIGH PRESSURE - REFERENCE ONLY!	4700	4400	4200	4000	3700	. 3500	RX11
- REFER	0	0	0	0	0	0	VELOCITY FPS
ENCE ONI	54600	49200	44200	39400	34900	30700	AA-2230, S- PRESSURE PSI
1 Y	*	*				1	-3032,
							S-3032, WW-748, N-201 PRE
							N-201

Load data developed with "Load From A Disk I \*" software by Wayne Blackwell. Since the author has no control over components, equipment and methods used, no responsibility is implied or assumed for results obtained through its use. Data is for informational, non-commercial use only.

\*CAUTION\*--CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS

CASE LENGTH (IN) = ----OVERALL CARTRIDGE BULLET SEATING DEPTH BARREL LENGTH BULLET LENGTH FULL CASE CAPACITY (GR WATER) BULLET DIAMETER (IN)= CARTRIDGE TYPE= -WT. (IN) (IN) LENGTH .30 CARBINE (NI) (NI) .22/Sabot 20 1.28 10 .308

DISPLACED WATER EFFECTIVE BARREL LENGTH (IN) EFFECTIVE WATER CAPACITY OF CASE (GR) (GR) 14.359 5.641

DISPLACED WATER

(GR)

CASE (GR)

4.212 12.62

(IN)

BULLET SEATING DEPTH

EFFECTIVE BARREL LENGTH (IN) EFFECTIVE WATER CAPACITY OF BARREL LENGTH (IN)

FULL CASE CAPACITY CASE LENGTH (IN) = --OVERALL CARTRIDGE BULLET DIAMETER (IN)=

(GR WATER)

.72

LENGTH

(NI)

2.1 1.604

BULLET

WT. TYPE=

CARTRIDGE TYPE= -

.30 HERRETT

.22/Sabot

\*CAUTION\*--CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS

\*CASE CAPACITY CALCULATIONS\*

LFD1 CARTRIDGE LOAD DEVELOPMENT \*\* 04-26-1993

POWDER CLASS: VERY FAST POWDERS POWDER TYPE: 2400, H-110, AA-#9 CHARGE/BULLET WT = 0.209 SECTIONAL DENSITY = .08 CARTRIDGE TEMPERATURE = CASE CAPACITY = EST. MUZZLE VELOCITY = CALIBER = .308 IN POWDER CLASS: ALTERNATE POWDER SELECTION NOT AVAILABLE ALT POWDER TYPE: FOR STARTING LOADS REDUCE CALC. POWDER CHARGE BY AT LEAST 10% \*\*\* PEAK PRESSURE = POWDER CHARGE = 11.5 MUZZLE VELOCITY = 2300 N BULLET WEIGHT = 14.359 GR OF WATER .30 CARBINE .083 38500 70 GR VOL. PSI DEG FT/SEC FATIO = LOAD DEN (CALC) GR 12.6 11 BARREL 80 DIAM = Ħ .308 9.02

ALTERNATE LOAD INFORMATION \* 04-26-1993

POWDER TYPE -CARTRIDGE DATA - .30 CARBINE LOAD DENSITY 100 95 85 75 2400, H-110, AA-#9 CHARGE WT. 11.5 12.2 12.9 13.6 10.8 GR VELOCITY 2600 2700 2900 2400 2300 2200 FPS PRESSURE 38500 43300 48500 53900 60400 34000

Load data developed with "Load From A Disk I \*" software by Wayme Blackwell. Since the author has no control over components, equipment and methods used, no responsibility is implied or assumed for results obtained through its use. Data is for informational, non-commercial use only.

WARNING

1

HIGH PRESSURE - REFERENCE ONLY!

\* LFD1 CARTRIDGE LOAD DEVELOPMENT \* 04-26-1993

EST. MUZZLE VELOCITY = 3100 POWDER CLASS: ALTERNATE POWDER SELECTION NOT AVAILABLE CHARGE/BULLET WT = POWDER TYPE: 2400, H-110, AA-#9 CARTRIDGE TEMPERATURE = 70 SECTIONAL DENSITY = .083 CARTRIDGE DATA ALT POWDER TYPE: POWDER CLASS: VERY FAST POWDERS CASE CAPACITY = CALIBER = .308 FOR STARTING LOADS REDUCE CALC. POWDER CHARGE BY PEAK PRESSURE = N 30.788 GR OF WATER .30 HERRETT 0.447 BULLET 39500 WEIGHT = VOL. DEG PSI GR FT/SEC RATIO LOAD DEN == (CALC 11 GR 8.6 BARREL LENGTH BULLET DIAM = 79.9 AT LEAST 11 .308 12.62 308 IN 108 \*\*\* HN

\*\* ALTERNATE LOAD INFORMATION \*\* 04-26-1993

LOAD DENSITY POWDER TYPE - 2400, H-110, AA-#9 CARTRIDGE DATA 95 100 CHARGE 30 24.6 26.2 27.7 23.1 .30 HERRETT GR WT. VELOCITY 3700 2900 3100 3300 3500 PRESSURE 55700 44800 39500 61900 34800 PSI

control over components, equipment and methods used, no responsibility is implied or assumed for results obtained through its use. Data is for informational, non-commercial use only. Load data developed with "Load From A Disk I on software by Wayne Blackwell. Since the author has no

WARNING

1

HIGH PRESSURE - REFERENCE ONLY!

CARTRIDGE TYPE= - .30-30 WIN \*CAUTION\*--CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS

BARREL LENGTH (IN) BULLET LENGTH (IN) FULL CASE CAPACITY (GR WATER) -CASE LENGTH (IN)= OVERALL CARTRIDGE LENGTH BULLET DIAMETER BULLET BULLET TYPE-WT. (IN)= --(IN) -.22/Sabot 45 2.03 2.5

DISPLACED WATER (GR) BULLET SEATING DEPTH (IN)

EFFECTIVE WATER CAPACITY OF CASE (GR) 4.701 40.299 16.22

\*\* LFD1 CARTRIDGE LOAD DEVELOPMENT \*\* 04-26-1993

SECTIONAL DENSITY = .083 CASE CAPACITY = 40.299 GR OF WATER (CALC) CALIBER = .308 IN POWDER TYPE: IMR-4198/RX7/S-4197 \*CK MANUAL\* POWDER CLASS: FAST POWDERS CARTRIDGE TEMPERATURE = 70 CARTRIDGE DATA = .30-30 WIN BULLET WEIGHT = VOL. RATIO = 8.4 DEG F 55 GR BULLET DIAM = BARREL LENGTH =

.308 16.22 H IN

EST. MUZZLE VELOCITY = 3500 CALC. POWDER CHARGE = CHARGE/BULLET WT = EST. PEAK PRESSURE = 40300 0.585 32.2 GR PSI FT/SEC LOAD DEN = 79.9 %

POWDER CLASS: ALTERNATE POWDER SELECTION NOT AVAILABLE \*\*\* FOR STARTING LOADS REDUCE CALC. POWDER CHARGE BY AT ALT POWDER TYPE: LEAST 10% \*\*\*

# \*\* ALTERNATE LOAD INFORMATION \*\* 04-26-1993

POWDER TYPE - IMR-4198/RX7/S-4197 \*CK MANUAL\* CARTRIDGE DATA -LOAD DENSITY 75 80 85 90 95 CHARGE WT. 32.2 38.3 .30-30 WIN 40.3 36.3 SH VELOCITY 3900 3500 4400 3700 FPS PRESSURE 57000 63100 51200 40300 45700 35500 PSI

obtained through its use. control over components, equipment and methods used, no responsibility is implied or assumed for results Load data developed with "Load From A Disk I " software by Wayne Blackwell. Data is for informational, non-commercial use only. Since the author has no

WARNING -- HIGH PRESSURE - REFERENCE ONLY!

\*CAUTION\*--CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS

BULLET BULLET SEATING DEPTH BARREL FULL CASE CAPACITY (GR WATER) -CASE LENGTH (IN)= -OVERALL CARTRIDGE LENGTH BULLET DIAMETER (IN)= LENGTH (IN) ET. LENGTH (IN) TYPE= -.30-40 (NI) KRAG - (NI) .22/Sabot 52.2 2.8 .72 47.988 4.212 . 224

EFFECTIVE BARREL LENGTH (IN) 19.92

DISPLACED WATER

(GR)

(IN)

BULLET SEATING DEPTH

BULLET LENGTH

(NI)

BARREL LENGTH (IN)

CASE LENGTH (IN) = -

.308 2.33 1.861 52

FULL CASE CAPACITY (GR WATER)

OVERALL CARTRIDGE LENGTH (IN) -BULLET DIAMETER (IN)= -----

BULLET

CARTRIDGE TYPE= -

.300 SAV

22/Sabot

TYPE= WT.

\*CAUTION\*--CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS

\*CASE CAPACITY CALCULATIONS\*

EFFECTIVE WATER CAPACITY OF SEFFECTIVE BARREL LENGTH (IN)

CASE

(GR) -

4.72 47.28 20.39

### \* LFD1 CARTRIDGE LOAD DEVELOPMENT \* 04-26-1993

POWDER TYPE: IMR-4198/RX7/S-4197 \*CK MANUAL\* CHARGE/BULLET WT = 0.698 CALC. POWDER CHARGE = CARTRIDGE TEMPERATURE = 70 POWDER CLASS: ALTERNATE POWDER SELECTION NOT AVAILABLE ALT POWDER TYPE: POWDER CLASS: FAST POWDERS SECTIONAL DENSITY = .083 CASE CAPACITY = CALIBER = .308 IN CARTRIDGE DATA = .30-40 KRAG FOR STARTING LOADS REDUCE CALC. POWDER CHARGE BY AT PEAK PRESSURE = MUZZLE VELOCITY = 3700 47.988 GR OF WATER (CALC) 0.698 BULLET WEIGHT = 38500 VOL. PSI GR DEG F FT/SEC RATIO = LOAD DEN = 55 GR 8.7 BARREL BULLET 80 DIAM = LEAST 10% \*\*\* 11 .308 19.92 308 IN H

## ALTERNATE LOAD INFORMATION \*\* 04-26-1993

LOAD DENSITY POWDER TYPE -CARTRIDGE DATA - .30-40 KRAG 95 100 1 WARNING IMR-4198/RX7/S-4197 \*CK 1 CHARGE 43.2 48.0 36.0 45.6 HIGH PRESSURE -WT. VELOCITY 4400 4200 3900 3700 3500 REFERENCE ONLY MANUAL\* PRESSURE 60200 54300 48700 43500 38500 33800

Load data developed with "Load From A Disk I " software by Wayne Blackwell. Since the author has no control over components, equipment and methods used, no responsibility is implied or assumed for results obtained through its use. Data is for informational, non-commercial use only.

# \*\* LFD1 CARTRIDGE LOAD DEVELOPMENT \*\* 04-26-1993

CASE CAPACITY = 47.28 GR OF WATER (CALC) ALT POWDER TYPE: CALC. CHARGE/BULLET WT = POWDER TYPE: IMR-4198/RX7/S-4197 \*CK MANUAL\* CARTRIDGE TEMPERATURE = 70 SECTIONAL DENSITY = CALIBER = .308 IN CARTRIDGE DATA = \*\*\* FOR STARTING LOADS REDUCE POWDER CLASS: ALTERNATE POWDER SELECTION NOT AVAILABLE POWDER CLASS: FAST POWDERS PEAK PRESSURE = MUZZLE VELOCITY = 3700 POWDER CHARGE = 37.8 .300 SAV 0.687 BULLET WEIGHT = .083 38600 VOL. PSI GR DEG F CALC. FT/SEC RATIO = LOAD DEN = POWDER CHARGE BY AT LEAST 55 GR 9 BULLET DIAM = BARREL LENGTH 79.9 11 .308 20.39 10% IN \*\*\* IN

## \*\* ALTERNATE LOAD INFORMATION \*\* 04-26-1993

POWDER TYPE -	IMR-4198/RX7 CHARGE WT.	/S-4197 *CK VELOCITY FPS	MANUAL* PRESSURE PSI
75	5	3500	34000
80	37.8	W	38600
85	0	3900	43700
90	N	N	49000 *
95	4	4400	54500 *
100	7.	4600	60400 *

control over components, equipment and methods used, no responsibility is implied or assumed for results obtained through its use. Data is for informational, mon-commercial use only. Load data developed with "Load Prom A Disk I " software by Wayne Blackwell. Since the author has no

WARNING --

HIGH PRESSURE - REFERENCE ONLY!

\*CAUTION\*--CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS

BULLET SEATING DEPTH (IN) BARREL LENGTH (IN) -----BULLET LENGTH FULL CASE CAPACITY (GR WATER) CASE LENGTH (IN) = ----OVERALL CARTRIDGE LENGTH (IN) -BULLET DIAMETER (IN)= ---BULLET WT. -BULLET TYPE= --CARTRIDGE TYPE- -(IN) .300 WEATH MAG .22/Sabot 98 2.815 3.2 .308

EFFECTIVE BARREL LENGTH (IN) EFFECTIVE WATER CAPACITY OF CASE (GR) -DISPLACED WATER (GR) 91.7 6.3

\* LFD1 CARTRIDGE LOAD DEVELOPMENT \*\* 04-26-1993

POWDER CLASS: MEDIUM POWDERS CALC. POWDER CHARGE = 78.9 GR SECTIONAL DENSITY = .083
CARTRIDGE TEMPERATURE = 70 CALC. POWDER CHARGE = ALT POWDER TYPE: IMR-4064, H-380, AA-2520 POWDER TYPE: IMR-4895, H-4895, S-4065, AA-2495 CASE CAPACITY = 91.7 GR OF WATER (CALC) CALIBER = .308 IN CHARGE/BULLET WT= 1.362 CHARGE/BULLET WT = 1.435 POWDER CLASS: MEDIUM POWDERS CARTRIDGE DATA MUZZLE VELOCITY = 4300 PEAK PRESSURE = 40200 PSI MUZZLE VELOCITY = 4400 = .300 WEATH MAG BULLET WEIGHT = 74.9 GR VOL. RATIO = DEG F FT/SEC FT/SEC LOAD DEN = LOAD DEN = 55 GR BARREL LENGTH = 5.3 BULLET DIAM = 86 81.6 .308 21.52 IN H

PEAK PRESSURE = 38000 PSI FOR STARTING LOADS REDUCE CALC. POWDER CHARGE BY AT LEAST 10% \*\*\*

obtained through its use. control over components, equipment and methods used, no responsibility is implied or assumed for results Load data developed with "Load From A Disk I " software by Wayne Blackwell. Data is for informational, non-commercial use only. Since the author has no

	3
	ALTERNATE LOAD
	-
	$\mathbf{c}$
	$\sim$
	INFORMATION
	-
	-
	160
	-
	_
	Eb.
	-
-	h. 1
-21	~
	-
	D/V
	- ·
	_
	-
- 4	-
	w.
	04-26-199
- 1	er.

POWDER TYPE LOAD DENSITY	IMR-4895, H-4 CHARGE WT.	WAG 895, S-406 VELOCITY FPS	55, AA-2 PRES
75		3800	306
80		-	4
85	77.9	4300	392
90	N	O	4
49		S	0
100		5100	A
ALT POWDER TYPE	PE - IMR-4064,	H-380, AA	-2520
75	68.8		21
80	3	N	O
88 5	7.	UI	-
90	82.5	4700	461
95	7.	00	-
100	-	w	~

WARNING -- HIGH PRESSURE - REFERENCE ONLY!

CARTRIDGE TYPE= - .300 H&H MAG BULLET TYPE= ----.22/Sabot 55

BULLET DIAMETER (IN)=

BARREL LENGTH (IN) FULL CASE CAPACITY (GR WATER) -CASE LENGTH (IN) = -OVERALL CARTRIDGE LENGTH (IN) -3.28 86 .72

EFFECTIVE BARREL LENGTH (IN) EFFECTIVE WATER CAPACITY OF CASE DISPLACED WATER (GR) (GR) -5.171

BULLET SEATING DEPTH

(IN)

21.44

LFD1 CARTRIDGE LOAD DEVELOPMENT \* 04-26-1993

\*

CALC. POWDER CHARGE = 69.5 POWDER TYPE: IMR-3031, RX11, H-335, AA-2230, CARTRIDGE TEMPERATURE = 70 SECTIONAL DENSITY = .083 CASE CAPACITY = 80.829 GR OF WATER (CALC) EST. MUZZLE VELOCITY = 4300 CHARGE/BULLET WT = 1.264 CALIBER = .308 IN CARTRIDGE DATA = PEAK PRESSURE = 40400 .300 H&H MAG BULLET WEIGHT = GR VOL. RATIO = DEG PSI FT/SEC LOAD DEN = 55 GR 5.9 BARREL LENGTH BULLET DIAM = 85.9 11

PSI FT/SEC

EST. PEAK PRESSURE = 42700 FOR STARTING LOADS REDUCE CALC. POWDER CHARGE BY AT LEAST 10%

\*\*\*

CALC. POWDER CHARGE = ALT POWDER TYPE: BLC-2, H-322, RX12, AA-2460, N-203 EST. MUZZLE VELOCITY = 4400 CHARGE/BULLET WT= 1.327 POWDER CLASS: MEDIUM FAST POWDERS 73 GR LOAD DEN II 90.3 S-3032, WW-748, N-201 .308 21.44 IN IN

> ALTERNATE LOAD INFORMATION \*\* 04-26-1993

POWDER TYPE -

IMR-3031,

RX11,

H-335,

AA-2230, S-3032, WW-748, N-201

DATA

.300 H&H MAG

LOAD DENSITY 95 100 CHARGE WT. 60.6 64.7 68.7 72.7 76.8 GR VELOCITY 4300 4300 4500 3700 FPS PRESSURE 49300 44200 39500 35000 30700 PSI

ALT POWDER TYPE 1 60.6 80.8 BLC-2, H-322, RX12, 5000 AA-2460, 54600 29400 N-203

WARNING ! HIGH PRESSURE -REFERENCE ONLY

control over components, equipment and methods used, no responsibility is implied or assumed for results obtained through its use. Data is for informational, non-commercial use only. Load data developed with "Load From A Disk I " software by Wayme Blackwell. Since the author has no Load data developed with "Load From A Disk I \*" software by Wayne Blackwell. Since the author has no control over components, equipment and methods used, no responsibility is implied or assumed for results obtained through its use. Data is for informational, non-commercial use only.

CARTRIDGE TEMPERATURE = .08 CALC. POWDER CHARGE = 73.5 ALT POWDER TYPE: BLC-2, H-322, RX12, AA-2460, N-203 POWDER CLASS: MEDIUM FAST POWDERS CALC. POWDER CHARGE = 70 GR POWDER TYPE: IMR-3031, RX11, H-335, AA-2230, S-3032, WW-748, N-201 CASE CAPACITY = EST. MUZZLE VELOCITY = 4400 CHARGE/BULLET WT= 1.336 EST. PEAK PRESSURE = 40200 PSI POWDER CLASS: MEDIUM FAST POWDERS CALIBER = .308 IN CARTRIDGE DATA = control over components, equipment and methods used, no responsibility is implied or assumed for results obtained through its use. Data is for informational, non-commercial use only. Load data developed with "Load From A Disk I " software by Wayne Blackwell. Since the author has no FOR STARTING LOADS REDUCE CALC. POWDER CHARGE BY AT LEAST 10% \*\*\* PEAK PRESSURE = 42500 MUZZLE VELOCITY = 4300 81.359 GR OF WATER (CALC) .308 NORMA MAG BULLET WEIGHT = .083 70 VOL. PSI GR DEG F FT/SEC FT/SEC LOAD RATIO = LOAD DEN : 55 GR DEN = 5.9 86 BULLET BARREL 90.3 DIAM = . .308

** N **   E	100 81.4 4900 52100	77.3 4600 47000	90 73.2 4400 42200	69.2 4100	0	75 61.0 3700 29300	ALT POWDER TYPE - BLC-2, H-322, RX12, AA-2460,	100 81.4 5000 54400	95 77.3 4700 49000	4500	5 69.2 4300 3		75 61.0 3700 30500	LOAD DENSITY CHARGE WT. VELOCITY PRESSURE  \$ GR FPS PSI
-------------	---------------------	-----------------	--------------------	-----------	---	--------------------	--	---------------------	--------------------	------	---------------	--	--------------------	--

DISPLACED WATER (GR) -----EFFECTIVE WATER CAPACITY OF CASE

(GR) -

5.641 81.359 21.75

BULLET SEATING DEPTH (IN)

EFFECTIVE BARREL LENGTH (IN)

\*

LFD1 CARTRIDGE LOAD

DEVELOPMENT

\*\*

04-26-1993

21.

IN

BULLET LENGTH (IN) BARREL LENGTH (IN)

CASE LENGTH (IN) = ----

FULL CASE CAPACITY (GR WATER)

87 2.55 .72

OVERALL CARTRIDGE LENGTH (IN) -

2.97

BULLET DIAMETER (IN)=

WT. --

BULLET TYPE= CARTRIDGE TYPE= -

\*CAUTION\*--CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS

\*

ALTERNATE LOAD INFORMATION

\*

04-26-1993

.308 NORMA MAG

.22/Sabot

\*CASE CAPACITY CALCULATIONS\*

obtained	control o	Load data
obtained through its use. Data is for informational, non-commercial use only.	control over components, equipment and methods used, no responsibility is implied or assumed for results	Load data developed with "Load From A Disk I " software by Wayne Blackwell. Since the author has no
Data is f	equipment a	"Load From
or informat	and methods	A Disk I et
ional, no	used, no	software.
n-commerci	responsib	by Wayne
ial use or	ility is i	Blackwell
dy.	implied or	. Since
	assumed f	the author
	or result:	has no

\*CAUTION\*--CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS

BULLET LENGTH (IN) OVERALL CARTRIDGE BULLET SEATING DEPTH BARREL LENGTH (IN) FULL CASE CAPACITY (GR WATER) CASE LENGTH (IN) = --BULLET DIAMETER (IN)= CARTRIDGE TYPE= WT. 1 LENGTH .300 WIN MAG (IN) (IN) .22/Sabot (GR) -88 2.61 308 81.794 6.206 33

\*\* LFD1 CARTRIDGE LOAD DEVELOPMENT \*\* 04-26-1993

CHARGE/BULLET WT = 1.278 POWDER TYPE: IMR-3031, RX11, H-335, AA-2230, SECTIONAL DENSITY = .083
CARTRIDGE TEMPERATURE = 70 CASE CAPACITY = POWDER CLASS: MEDIUM FAST POWDERS 81.794 GR OF WATER VOL. RATIO = (CALC)

CALIBER = .308 IN

H

BULLET WEIGHT =

55

GR

BARREL LENGTH BULLET DIAM =

11 .308 21.72 308 IN

H

5.9

S-3032,

WW-748,

N-201

.300 WIN MAG

ALT POWDER TYPE: BLC-2, H-322, RX12, AA-2460, N-203 EST. MUZZLE VELOCITY = 4400 CALC. POWDER CHARGE = 70.3 PEAK PRESSURE = 41900 PSI GR FT/SEC LOAD DEN = 85.9

POWDER CLASS: MEDIUM FAST POWDERS CHARGE/BULLET WT= 1.344 CALC. POWDER CHARGE = 73.9 GR LOAD

EST. PEAK PRESSURE = 42400 EST. MUZZLE VELOCITY = \*\*\* FOR STARTING LOADS REDUCE CALC. POWDER CHARGE BY AT LEAST 10% \*\*\* 4400 PSI FT/SEC DEN = 90.3

> WARNING 1 HIGH PRESSURE -REFERENCE ONLY

CARTRIDGE DATA - .300 WIN MAG ALTERNATE LOAD INFORMATION \* 04-26-1993

H-335,

AA-2230,

LOAD DENSITY POWDER TYPE - IMR-3031, RX11, 90 90 95 95 CHARGE WT. 65.4 VELOCITY 4300 4100 3800 PRESSURE 36300 31900 5-3032, WW-748, N-201

ALT POWDER 95 95 95 95 TYPE -77.7 65.4 61.3 69.5 BLC-2, H-322, RX12, 4600 3600 3900 4100 4900 AA-2460, 46900 41000 45900 51200 56700 52000 42100 37500 33200 29200 N-203

Load data Jeveloped with "Load From A Disk I " software by Wayne Blackwell. Since the author has no control over components, equipment and methods used, no responsibility is implied or assumed for results obtained through its use. Data is for informational, non-commercial use only.

Load data developed with \*Load From A Disk I \*" software by Wayne Blackwell. Since the author has no control over components, equipment and methods used, no responsibility is implied or assumed for resul obtained through its use. Data is for informational, non-commercial use only.

or assumed for results