

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.

Load data developed with "Load From & control over components, equipment and obtained through its use. Data is for	- WARNING RIGH	WADNING HICH	95 49.2 100 51.8			75 38.8 80 41.4	POWDER TYPE - IMR-4198/RX LOAD DENSITY CHARGE WT. \$ GR	CADINDINCE DATA - 308 WIN	CARTRIDGE TYPE=308 WIN BULLET TYPE=	*CAUTION*CARTRIDGE CASE CAPACITY MAY VARY	*CASE CAPACITY CALCULATIONS*			
Load data developed with "Load Prom & Disk I ⁶⁴ 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.	SSURE - REFERENCE UNLI!		4500 54900 * 4800 60900 *	49300		3600 34200 3800 38900	7/S-4197 *CK MAN VELOCITY P PPS	N	<pre>TRIDGE TYPE=308 WIN LET TYPE=22/Sabet LET UTARTER (IN)=55 5.25 ELET DIAMETER (IN)=55 ELENGTH (IN)25 ELENGTH (IN)22 REL LENGTH (IN)22 REL LENGTH (IN)22 REL LENGTH (IN)22 REL LENGTH (IN)22 RET LENGTH (IN)20 RET LENGTH (IN) RULLET WEIGHT = .20 RET LENGTH (IN) RELLET DIAM = .20 RET LENGTH (IN) RELLET DIAM = .308 IN RET LENGTH (IN) RET LENGTH = .308 IN</pre>	SE CAPACITY MAY VARY 5-10% BETWEEN BRANDS	CULATIONS*			
Load data developed with "Load From A Disk I " software by Mayne Blackwell. Since the author has no control over components, equipment and methods used, no responsibility is implied or assumed for results	* - WARNING HIGH PRESSURE - REFERENCE	4700	57.0 4200 60.1 4400	53.8 4000	50.6 3700	75 47.5 3500 30	CARTRIDGE DATA30-06 POWDER TYPE - IMR-3031, RX11, H-335, AA-2230, S- LOAD DENSITY CHARGE WT. VELOCITY PRESSURE & GR FPS PSI	** ALTERNATE LOAD INFORMATION ** 04	TYPE=30-06 PE=	*CAUTION*CARTRIDGE CASE CAPACITY MAY VARY 5-10%	*CASE CAPACITY CALCULATIONS*			
Bla	REFERENCE ONLY!	ERENCE ONLY!	RENCE ONLY!	54600	49200	39400	34900	30700	10, S-3032, 3SSURE PSI	04-26-1993	.304 5.717 63.283 19.82 ELOPMENT ** 04- ELOPMENT ** 04- BULLET DIAM = 6.8 130, S-3032, WW-7/ 1N = 90.2 %	5-1		

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Load dat: developed with "Load From A Disk I ^o " 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.	* - WARNING HIGH PRESSURE - REFERENCE ONLY!	80 11.5 2300 38500 80 11.5 2300 38500 90 12.2 2400 43300 95 12.9 2600 48500 * 95 13.6 2700 53900 * 100 14.4 2900 60400 *	DGE DATA30 CARBINE TYPE - 2400, H-110, AA-#9 ENSITY CHARGE WT. VELOCITY P GR PPS	*CAUTION*CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS CARTRIDGE TYPE=	CAPACITY CALCULATIONS*
Load data developed with "Load From A control over components, equipment an obtained through its use. Data is fo	* - WARNING HIGH F	75 80 24.6 90 25 27.7 29.2 29.2 30.8	CARTRIDGE DATA30 HERRETT POWDER TYPE - 2400, H-110, A LOAD DENSITY CHARGE WT. & GR	*CAUTION*CARTRIDGE CASE CAPACITY MA CARTRIDGE TYPE=	*CASE CAPACITY CALCULATIONS*
.oad From A Disk I ^{on} software by Wayne Blackwell. gulpment and methods used, no responsibility is impl Data is for informational, mon-commercial use only.	HIGH PRESSURE - REFER	2900 3100 3500 3700 3900	D HERRETT H-110, AA-#9 GE WT. VELOCITY R FPS	ARTRIDGE CASE CAPACITY MAY VARY PE=-.30 HERRETT III =	CULATIONS*
Load data developed with "Load From A Disk I ⁶ " 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.	REFERENCE ONLY!	34800 39500 44800 55700 * 61900 *	PRESSURE	ARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS PE=30 HERRETT TER (IN)=	

$ \begin{array}{llllllllllllllllllllllllllllllllllll$			*	75 80 95 100	CARTR POWDE LOAD	CARTRIDGE CALIBER = CASE CAPA SECTIONAL CARTRIDGE POWDER CL POWDER TY CHARGE/BU CALC. POW EST. MUZZ EST. PEAK ALT POWDER CL *** FOR S		BULLI DISPI EFFEC	CARTRII BULLET BULLET OVERALI CASE LI FULL CA BULLET BARREL	*CAU
				050505	** ALTI RIDGE DAT RR TYPE - DENSITY	ALDGE DA BER = .30 CAPACITY CONAL DER INCLES TER INCLES TER INCLESS IN TYPE: SR TYPE		ET SEATI) LACED WAY DTIVE WAY	RIDGE TY ET TYPE= ET WT ET DIAME ALL CARTH LENGTH CASE CAI ET LENGTH ET LENGTH	LTON *C
5 5 701 229 229 229 5 5 5 5 5 5 5 5 5 5 5 5 5	5 5 701 229 229 229 5 5 5 5 5 5 5 5 5 5 5 5 5	5 5 701 229 229 229 5 5 5 5 5 5 5 5 5 5 5 5 5	1	30 32 34 36 38 38 38 38 38 38 38 38 38 38 38 38 38	ERNATE LOAD IN TA30-30 WI - IMR-4198/RX7 CHARGE WT. GR	FA = .30-30 WI D8 IN BULLET V = 40.299 GF V = .083 V = .083 V = .083 V = .083 V = .083 V = .083 V = .085 V = .585 V = .585 CHARGE = 32. CHARGE = 32. CHARGE = 32. V = .585 V	t LFD1	NG DEPTH (IN) TER (GR) TER CAPACITY C RREL LENGTH (1	.30-30 LENGTH LENGTH V (GR WA	AKIKIDUD CASE
5-10% BETWEEN BRANDS 701 .229 .229 .229 .229 .229 BARREL LENGTH = .16.22 BULLET DIAM = .308 IN .4 PARGE BY AT LEAST 10% * .26-1993 .27-1993 .27-19	5-10% BETWEEN BRANDS 701 .229 .229 .229 .229 .229 BARREL LENGTH = .16.22 BULLET DIAM = .308 IN .4 PARGE BY AT LEAST 10% * .26-1993 .27-1993 .27-19	5-10% BETWEEN BRANDS 701 .229 .229 .229 .229 .229 BARREL LENGTH = .16.22 BULLET DIAM = .308 IN .4 PARGE BY AT LEAST 10% * .26-1993 .27-1993 .27-19		3300 3500 3700 3900 4200 4400	FORMATION * N /S-4197 *CK VELOCITY FPS	N WEIGHT = OF WATER (VOL. RATI O DEG F S-4197 *CK S-4197 *CK 2 GR LOA 00 FT/SEC 0 PSI 0 PSI 00 FT/SEC 0 PSI 00 FT/SEC 0 PSI	IDGE	CASE	II, I, II sabo	CAPACITY MA
** 04-26-1993 ** 04-26-1993 C LENGTH = 16.22 F DIAM = .308 IN BY AT LEAST 10% *	** 04-26-1993 ** 04-26-1993 C LENGTH = 16.22 F DIAM = .308 IN BY AT LEAST 10% *	** 04-26-1993 ** 04-26-1993 C LENGTH = 16.22 F DIAM = .308 IN BY AT LEAST 10% *	ERENCE ONLY		P	55 GR BAR CALC) BUL O = 8.4 MANUAL* MANUAL 7 D DEN = 7 D DEN = 7 TON NOT AV OWDER CHAR		1.11		
* IN W	* IN W	* IN W			66	L LENG9 P DIAM P S ABLE BY AT	*			
** IN	** IV	TN .				16.22 08 IN 10% *	-26-1993			BRANDS
						*	1			

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75 36.0 3500 3800 80 38.4 3700 38500 85 40.8 3900 43500 90 43.2 4200 48700 * 95 45.6 4400 54300 * 100 48.0 4600 60200 * * - WARNING HIGH PRESSURE - REFERENCE ONLY!	CARTRIDGE DATA = .30-40 KRAG CALIBER = .308 IN BULLET WEIGHT = 55 GR BARREL LENGTH = CASE CAPACITY = 47.988 GR OF WATER (CALC) BULLET DIAM = .3 SECTIONAL DENSITY = .083 VOL. RATIO = 8.7 CARTRIDGE TEMPERATURE = 70 DEG F POWDER TYPE: IMR-4198/RX7/S-4197 *CK MANUAL* CHARGE/BULLET WT = 0.698 CALC. POWDER THMR-4198/RX7/S-4197 *CK MANUAL* EST. MUZZLE VELOCITY = 3700 FT/SEC EST. PEAK PRESSURE = 38.4 GR LOAD DEN = 80 % EST. MUZZLE VELOCITY = 3700 FT/SEC EST. PEAK PRESSURE = 38500 PSI ALT POWDER TYPE: POWDER TIASS: ALTERNATE POWDER SELECTION NOT AVAILABLE *** FOR STARTING LOADS REDUCE CALC. POWDER CHARGE BY AT LEAST ** ALTERNATE LOAD INFORMATION ** 04-26-1993 CARTRIDGE DATA30-40 KDAG POWDER TYPE - IMR-4198/RX7/S-4197 *CK MANUAL* LOAD DENSITY CHARGE WT. VELOCITY PRESSURE *** GR TYPE - IMR-4198/RX7/S-4197 *CK MANUAL* LOAD DENSITY CHARGE WT. VELOCITY PRESSURE *** GR TYPE GR THR-4198/RX7/S-4197 *CK MANUAL* LOAD DENSITY CHARGE WT. VELOCITY PRESSURE *** FOR STARTING COMPARE TO THE POWDER THE SET THE SET THE CHARGE WT. VELOCITY PRESSURE	** LFD1 CARTRIDGE LOAD DEVELOPMENT ** 04-26-199
75 35.5 3500 34000 80 37.8 3700 38600 85 40.2 3900 43700 90 42.6 4200 49000 * 95 44.9 4400 54500 * 100 47.3 4600 60400 * * - WARNING HIGH PRESSURE - REFERENCE ONLYI	19.92 IN CARTRIDGE DATA = .300 SAV CALIBER = .308 IN BULLET WEIGHT = 55 GR BARREI CASE CAPACITY = 47.28 GR OF WATER (CALC) BULLET SECTIONAL DEMSITY = .083 VOL. RATIO = 9 CARTRIDGE TEMPERATURE = 70 DEG F POWDER CLASS: FAST POWDERS POWDER CLASS: FAST POWDERS CHARGE/BULLET WT = 0.687 CALC. POWDER CHARGE = 37.8 GR LOAD DEN = 79.9 EST. MUZZLE VELOCITY = 3700 FT/SEC EST. PEAK PRESSURE = 38600 PSI ALT POWDER CLASS: ALTERNATE POWDER SELECTION NOT AVAIL *** FOR STARTING LOADS REDUCE CALC. POWDER CHARGE ** ALTERNATE LOAD INFORMATION ** 04-26-199 CARTRIDGE DATA300 SAV POWDER TYPE - IMR-4198/RX7/S-4197 *CK MANUAL* LOAD DENSITY CHARGE WT. VELOCITY PRESSURE * BIT	*CASE CAPACITY CALCULATIONS* *CAUTION*CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN CARTRIDGE TYPE=300 SAV BULLET TYPE=

IN

EST. EST. EST. EST. SECTIONAL DENSITY = .083 CARTRIDGE TEMPERATURE = 70 CALC. POWDER CLASS: MEDIUM POWDERS ALT POWDER TYPE: IMR-4064, H-380, AA-2520 CALC. CHARGE/BULLET WT = POWDER TYPE: IMR-4895, H-4895, S-4065, AA-2495 POWDER CLASS: MEDIUM POWDERS CASE CAPACITY = 91.7 GR OF WATER (CALC) CALIBER = .308 IN CARTRIDGE DATA DISPLACED WATER (GR) BULLET LENGTH FULL CASE CAPACITY (GR WATER) CASE LENGTH (IN) = ----OVERALL CARTRIDGE LENGTH (IN) -*CAUTION*--CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS *** CHARGE/BULLET WT= 1.362 EFFECTIVE BARREL LENGTH (IN) EFFECTIVE WATER CAPACITY OF CASE (GR) -BULLET SEATING DEPTH (IN) BARREL LENGTH (IN) -----BULLET DIAMETER (IN)= ---BULLET WT. -BULLET TYPE= CARTRIDGE TYPE= -FOR STARTING LOADS REDUCE CALC. POWDER CHARGE BY AT LEAST 10% *** PEAK PRESSURE = MUZZLE VELOCITY = 4300 PEAK PRESSURE = 40200 PSI MUZZLE VELOCITY = 4400 *CASE CAPACITY CALCULATIONS* POWDER CHARGE = POWDER CHARGE = (IN) 1 ** .300 WEATH MAG LFD1 CARTRIDGE LOAD DEVELOPMENT ** .300 WEATH MAG 1.435 BULLET WEIGHT = 38000 78.9 -74.9 .22/Sabot ! VOL. RATIO = GR PSI GR DEG F -FT/SEC FT/SEC 98 24 2.815 3.2 55 .308 LOAD DEN = LOAD DEN = 55 GR BARREL LENGTH = 5.3 .335 21.52 91.7 BULLET DIAM = 81.6 86 de dip. 04-26-1993 .308 21.52 HN IN

> ALT LOAD DENSITY CARTRIDGE DATA -POWDER TYPE -* 80 95 100 100 POWDER TYPE 75 998875 1 WARNING ALTERNATE LOAD INFORMATION ** IMR-4895, ł CHARGE WT. i. 68.8 77.9 82.5 87.1 91.7 .300 WEATH MAG HIGH PRESSURE - REFERENCE ONLY 87. 82.5 77.9 73.4 68.8 IMR-4064, GR H-4895, S-4065 H-380 VELOCITY 5300 4500 4700 4200 3900 5100 4100 4300 4600 4900 3800 FPS AA-2520 PRESSURE AA-2495 46100 51400 41100 57000 36500 54300 39200 30600 04-26-1993 44000 32100 49000 34800 PSI * *

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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

00 H&H MAG DOWDER TYPE - IMP	"CAULTON" CANTALOVE CASE CAPACITI MAI VARI S-100 BETWEEN BRANDS	CARTRINGE D	- ATOM	NOD HEH MAG	2 07-202	
NRTH (III) 3.28 75 60.6 3700 30700 GR WATEN) 8.835 60.6 3700 30700 3500 GR WATEN) 86 27 4000 3500 3500 3500 CIN) 24 100 85 66.7 4000 3500 CIN) 5.171 5.171 5.171 300 3500	AG /Sabo	CARIFLIDGE DATA POWDER TYPE - LOAD DENSITY %	300 Ho IMR-3031, CHARGE W GR	MAG X11, H-335, VELOCITY FPS		WW-748
CIR WATER) - 86 86 66.7 4300 3950 (IN) 2.75 90 75 76.8 4800 49300 * (IN) 21.43 100 80.8 5000 5460 * 2THY OF CASE (GR) - 80.813 21.44 100 80.8 5000 5460 * 2THY OF CASE (GR) - 102.3 21.44 100 80.8 5000 5460 * 210 CARTRIDGE LOAD DEVELOPMENT ** 04-26-1993 04-26-1993 66.7 3000 35500 21 CARTRIDGE LOAD DEVELOPMENT ** 04-26-1993 100 80.8 4900 32500 229 GR OWNTER (CALC) BULLET DIAM = .108 IN 100 80.8 4900 52300 * 239 GR OWNTER (CALC) BULLET DIAM = .308 IN 100 80.8 4900 52300 * 1.264 1.8 4900 52300 * 5200 * 5200 * 1.264 1.8 4900 52300 * 5200 * 5200 * 1.264 1.8 4900 52300 * 52300 * 52300 * 1.264 1.8 1.90.1 85.9 \$ * * WARNING HIGH PRESURE - REFERENCE ONLY! <th>ENGTH (IN) -</th> <th>75</th> <th>60.6 64.7</th> <th>3700</th> <th>30700</th> <th></th>	ENGTH (IN) -	75	60.6 64.7	3700	30700	
24 (IN) 2.275 (IN) 2.275 21.44 257 (IN) 2.25 21.44 259 21.44	(GR WATER) -	85	68.7	4300	39500	
ALT POWDER TYPE - BLC-2, H-322, RX12, AA-2460, N- 2THY OF CASE (GR) - 80.829 2TH (IN) 21.44 ALT POWDER TYPE - BLC-2, H-322, RX12, AA-2460, N- 75 60.6 3700 23400 85 66.7 3900 33500 95 76.8 66.7 3900 33500 95 76.8 66.7 3900 33000 95 76.8 4600 42300 37300 42400 95 76.8 4600 42300 42300 * 100 80.8 4900 52300 * 100 80.8 4900 52300 * 100 80.8 4900 52300 * 100 80.8 4900 52300 * 1.264 4.260 DEC F FAST POWDERS 1.264 AN-2230, S-3032, NW-746, N-201 1.264 AN-22460, N-203 PAST POWDERS 1.264 AN-22460, N-203 PAST POWDERS 1.264 AN-2460, N-203 PAST POWDERS 1.27 GR LOAD DEN = 90.3 % - 4400 FT/SEC ALT POWDERS 1.264 ANACO FT/SEC 4.400 FT/SEC ALT POWDERS 1.264 ANACO FT/SEC ALT POWDERS 1.264 ANACO FT/SEC 4.400 FT/SEC	24	95 100	76.8	4800		
2TH (IN) 21.44 30.027 60.027 60.027 60.027 60.027 30.00 60.027 30.00 80 64.7 30.00 85 68.7 4100 30.00 85 68.7 4100 85 68.7 4100 85 68.7 4100 85 68.7 4100 85 68.7 4100 85 68.7 4100 85 68.7 4100 85 68.7 4100 85 68.7 4100 85 68.7 4100 85 85 68.7 4100 85 85 68.7 4100 85 85 75.8 4600 85 80.8 4900 85 80.8 4900 85 80.8 4900 85 80.8 4900 85 80.8 4900 85 80.8 4900 80.8 4900 80.8 4900 80.8 4900 80.8 4900 80.8 4900 80.8 4900 80.8 4900 80.8 4900 80.8 4900 80.8 4900 80.8 4900 80.8 80.8 80.9	(GR)		E - BLC-		2460, N-	
01 CARTRIDGE LOAD DEVELOPMENT ** 04-26-1993 85 68.7 4100 90 95 72.7 4600 91LLET WEIGHT = 55 GR BARREL LENGTH = 21.44 IN 100 95 76.8 4600 929 GR OF WATER (CALC) BULLET DIAM = .308 IN .00 80.8 4900 * - WARNING HIGH PRESSURE - 4600 .083 VOL. RATIO = 5.9 BULLET DIAM = .308 IN .00 80.8 4900 1.264 LOAD DEN = 85.9 % * - WARNING HIGH PRESSURE - 4000 1.264 N-2230, S-3032, WW-748, N-201 * - WARNING HIGH PRESSURE - 40400 1.264 ST/SEC 4000 FT/SEC * - 4300 FT/SEC -2, H-322, RX12, AA-2460, N-203 * - 33 % * - 303 % * - 303 % -327 GR LOAD DEN = 90.3 % * - 4400 FT/SEC 90.3 % -327 A400 FT/SEC 90.3 % * - 4400 FT/SEC	BARREL LENGTH (IN)	08 C/	64.7	3900	33500	
01 CARTRIDGE LOAD DEVELOPMENT ** 04-26-1993 95 76.8 4600 01 H&H MAG 100 80.8 4900 01 LEET WEIGHT = 55 GR BARREL LENGTH = 21.44 IN 100 * - WARNING HIGH PRESSURE - 02 083 VOL. RATIO = 5.9 BULLET DIAM = .308 IN * - WARNING HIGH PRESSURE - 02 083 VOL. RATIO = 5.9 BULLET DIAM = .308 IN * - WARNING HIGH PRESSURE - 03 083 VOL. RATIO = 5.9 BULLET DIAM = .308 IN * - WARNING HIGH PRESSURE - 040400 PSI FAST POWDERS * - 69.5 GR LOAD DEN = 85.9 % * - 69.5 GR LOAD DEN = 85.9 % 100 FT/SEC 404000 PSI * - 203 * - 33 GR LOAD DEN = 90.3 % 100 273 GR LOAD DEN = 90.3 % * - 30.3 % 100 951 * - 44000 FT/SEC * - 30.3 %		90 90	68.7 72.7	4100 4400	37800 42400	
* - WARNING HIGH PRESSURE - 3ULLET WEIGHT = 55 GR BARREL LENGTH = 21.44 IN 329 GR OF WATER (CALC) BULLET DIAM = .308 IN .083 VOL. RATIO = 5.9 E = 70 DEG F FAST POWDERS 1, RX11, H-335, AA-2230, S-3032, WW-748, N-201 1.264 = 69.5 GR LOAD DEN = 85.9 % = 4300 FT/SEC 40400 PSI -2, H-322, RX12, AA-2460, N-203 FAST POWDERS 327 -2, H-322, RX12, AA-2460, N-203 FAST POWDERS 327 = 73 GR LOAD DEN = 90.3 % = 4400 FT/SEC	LFD1 CARTRIDGE LOAD DEVELOPMENT **	. 100	80.8	4900		
	0 H&H MAG 30LLET WEIGHT = 55 GR BARREL LENGTH = 21.44 329 GR OF WATER (CALC) BULLET DIAM = .308 IN 28 70 DEG F FAST POWDERS 1, RX11, H-335, AA-2230, S-3032, WW-748, N-201 1.264 269.5 GR LOAD DEN = 85.9 % 40400 PSI -2, H-322, RX12, AA-2460, N-203 FAST POWDERS 327 - 73 GR LOAD DEN = 90.3 % - 4400 FT/SEC	*	HIGH	1	ERENCE ONLY!	

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N-201

CHARGE/BULLET WT = 1.273 CALC. POWDER CHARGE = 70 GR LOAD DEN = 86 % EST. MUZZLE VELOCITY = 4300 FT/SEC EST. PEAK PRESSURE = 40200 PSI ALT POWDER TYPE: BLC-2, H-322, RX12, AA-2460, N-203 POWDER CLASS: MEDIUM FAST POWDERS CHARGE/BULLET WT= 1.336 CALC. POWDER CHARGE = 73.5 GR LOAD DEN = 90.3 % EST. MUZZLE VELOCITY = 4400 FT/SEC EST. MUZZLE VELOCITY = 4400 FT/SEC EST. PEAK PRESSURE = 42500 PSI *** POR STARTING LOADS REDUCE CALC. POWDER CHARGE BY AT LEAST 10% ***	CARTRIDGE DATA = .308 NORMA MAG CALIBER = .308 IN BULLET WEIGHT = 55 GR BARREL LENGTH = .21.75 IN CASE CAPACITY = 81.359 GR OF WATER (CALC) BULLET DIAM = .308 IN SECTIONAL DENSITY = .083 VOL. RATIO = 5.9 CARTRIDGE TEMPERATURE = 70 DEG F POWDER CLASS: MEDIUM FAST POWDERS POWDER TYPE: IMR-3031, RX11, H-335, AA-2230, S-3032, WW-748, N-201	** LFD1 CARTRIDGE LOAD DEVELOPMENT ** 04-26-1993	WT. 55 DIAMETER (IN)= 55 L CARTRIDGE LENGTH (IN) - 2.97 ENGTH (IN)= 2.55 ASE CAPACITY (GR WATER) - 87 LENGTH (IN) LENGTH (IN) LENGTH (IN) 24	*CASE CAPACITY CALCULATIONS* *CAUTION*CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS CARTRIDGE TYPE=308 NORMA MAG BULLET TYPE=22/Sabot
	* - WARNING	ALT POWDER TY 80 80 95 100	200AD DENSITY 75 80 90 100	** ALTER CARTRIDGE DATA POWDER TYPE -
	1	TYPE - BLC-2, H- 61.0 65.1 69.2 73.2 77.3 81.4	GR GR 65.1 69.2 73.2 77.3 81.4	HZ
		H-322, RX12, 3700 3900 4100 4400 4400 4400	VELOCITY FPS 3700 4000 4300 4500 4700 5000	PORMATION . MAG
	REFERENCE ONLY!	, AA-2460, N-203 29300 33300 37700 42200 47000 * 52100 *	PKSSSUKE 951 30500 34800 39300 44000 44000 *	** 04-26-1993 , AA-2230, S-3032,
				- WW-748,

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Load data developed with "Load From A Disk I ^{on} software by Wayne Blackwell. Since the author has no control over components, equipaent 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

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ALT PONDER TYPE: BLC-2, H-322, RX12, AA-2460, N-203 POWDER CLASS: MEDIUM FAST POWDERS CHARGE/BULLET WT= 1.344 EST. EST. PEAK PRESSURE = 42400 EST. MUZZLE VELOCITY = CALC. POWDER CHARGE = EST. MUZZLE VELOCITY = 4400 CALC. POWDER CHARGE = 70.3 CHARGE/BULLET WT = 1.278 POWDER TYPE: IMR-3031, RX11, H-335, AA-2230, SECTIONAL DENSITY = .083 CARTRIDGE TEMPERATURE = 70 CASE CAPACITY = CARTRIDGE DATA = .308 IN DISPLACED WATER (GR) -----EFFECTIVE WATER CAPACITY OF CASE EFFECTIVE BARREL LENGTH (IN) ----*** FOR STARTING LOADS REDUCE CALC. POWDER CHARGE BY POWDER CLASS: MEDIUM FAST POWDERS BULLET LENGTH (IN) OVERALL CARTRIDGE BULLET SEATING DEPTH BARREL LENGTH (IN) FULL CASE CAPACITY (GR WATER) CASE LENGTH (IN)= --BULLET DIAMETER (IN)= BULLET BULLET CARTRIDGE TYPE= *CAUTION*--CARTRIDGE CASE CAPACITY MAY VARY 5-10% BETWEEN BRANDS PEAK PRESSURE = 41900 WT. TYPE= IN ** 1 81.794 GR OF WATER .300 WIN MAG LFD1 CARTRIDGE LOAD DEVELOPMENT ** LENGTH .300 WIN MAG BULLET WEIGHT = (IN) 73.9 4400 (IN) .22/Sabot PSI GR VOL. RATIO = DEG F PSI GR FT/SEC 1 FT/SEC (GR) -88 24 2.61 55 LOAD LOAD DEN = 72 .308 (CALC) ບາ DEN = GR 81.794 5.9 6.206 :33 BARREL LENGTH BULLET DIAM = S-3032, 85.9 90.3 AT LEAST 10% *** WW-748, 11 .308 21.72 308 IN N-201

04-26-1993 ALT .1 85 90 95 ı

CASE CAPACITY CALCULATIONS

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ALTERNATE LOAD INFORMATION

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04-26-1993

N-201

LOAD DENSITY POWDER TYPE -CARTRIDGE DATA - .300 WIN MAG 905 905 905 POWDER 75 TYPE IMR-3031, RX11, CHARGE WT. ī 73.6 65.4 61.3 65.4 69.5 73.6 69.5 81.8 77.7 BLC-2, GR H-322, RX12, VELOCITY 4400 3600 3900 4100 4900 4300 4100 3800 H-335, FPS AA-2230, AA-2460, PRESSURE 46900 41000 45900 51200 56700 42100 37500 33200 29200 36300 31900 PSI S-3032, * N-203 * WW-748,

WARNING ł HIGH PRESSURE -REFERENCE ONLY

81.8

52000

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IN