

YOU ARE RESPONSIBLE FOR THE SAFETY OF YOUR LOADS

Be certain you completely understand the use of this data and your tools.

START GRAINS This is the maximum starting load.

VOLUME CC This is the volume per cubic centimeter of the START GRAIN charge for use with a Lee Perfect Powder Measure. Check with a scale to be sure the setting is correct.

DIPPER This is the largest LEE DIPPER you can use. Be sure you use the correct dipper. The dipper must be filled and struck level.

NEVER EXCEED GRAINS These must be weighed. DO NOT exceed.

VELOCITY Listed velocity is for NEVER EXCEED GRAINS.

$$\text{VELOCITY FOR OTHER CHARGES} = \frac{\text{CHARGE IN GRAINS}}{\text{NEVER EXCEED GRAINS}} \times \text{VELOCITY}$$

PRESSURE The maximum pressure recommended by the powder manufacturer.

MINIMUM OAL This is the shortest, safe Over All Length with maximum charges.

If you cannot find a charge for the exact weight bullet you have selected, use the data for the next heavier bullet. The velocity will be about the same and the pressure will be less.

Except for Winchester 296 the powder manufacturer recommends that you start with a reduced load and work up to the max load. They also recommend using magnum primers with 296.

7.62x54R RUSSIAN

.....STARTING LOADS.....											
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Powder Type	Grains	CC	Disk Dipper	NEVER EXCEED FPS	Min OAL	Powder Type	Grains	CC	Disk Dipper	NEVER EXCEED FPS	Min OAL
110 Grain Jacketed Bullet						168 Grain Jacketed Bullet					
BL-C(2)	56.0	3.61	NA	3.7	60.0 3376 2.715	V-N550	47.4	3.28	DBLD	3.1	53.3 2773 2.976
H4895	51.0	3.1	NA	3.7	55.0 3345 2.715	V-N540	43.6	3.06	DBLD	2.8	49.7 2710 2.976
BENCHMARK	51.0	3.29	DBLD	3.1	54.5 3332 2.715	V-N150	44.8	3.34	NA	3.1	50.0 2701 2.976
H-VARGET	51.0	3.36	NA	3.7	55.0 3202 2.715	V-N140	42.5	3.12	DBLD	3.1	48.2 2653 2.976
123 Grain Jacketed Bullet						180 Grain Jacketed Bullet					
V-N135	46.9	3.64	NA	3.4	52.0 3117 2.697	H4350	51.0	3.70	NA	3.4	55.0 2692 2.975
V-N133	46.1	3.55	NA	3.4	50.5 3104 2.697	H414	49.0	3.24	DBLD	3.1	52.0 2622 2.975
V-N130	42.0	3.17	DBLD	3.1	45.8 3058 2.697	H4895	42.0	3.06	DBLD	2.8	45.4 2618 2.975
125 Grain Jacketed Bullet						185 Grain Jacketed Bullet					
BL-C(2)	56.0	3.61	NA	3.4	60.0 3298 2.715	H-VARGET	43.0	3.14	DBLD	3.1	46.5 2575 2.975
H4895	50.0	3.64	NA	3.4	54.0 3236 2.715	H380	47.0	3.25	DBLD	3.1	50.0 2542 2.975
H4350	50.0	3.72	DBLD	3.1	53.0 3193 2.715	A-XMR-4350	45.9	3.40	NA	3.1	51.0 2497 2.900
H-VARGET	51.0	3.73	NA	3.7	55.0 3139 2.715	H4831	51.0	3.70	NA	3.4	55.0 2484 2.975
125 Grain Lead Bullet						190 Grain Lead Bullet					
ACC XMP5744	25.0	1.88	DBLD	1.6	30.0 2354 2.665	ACCUR 8700	51.3	3.53	NA	3.4	57.0 1814 2.900
150 Grain Jacketed Bullet						195 Grain Jacketed Bullet					
BL-C(2)	52.0	3.35	NA	3.1	55.5 3027 2.875	A-XMR-4350	45.0	3.33	NA	3.1	50.0 2439 2.880
H-VARGET	47.0	3.44	NA	3.4	50.5 2985 2.875	A-XMR-3100	47.7	3.57	NA	3.4	53.0 2343 2.880
H4895	46.0	3.35	NA	3.1	49.5 2938 2.875	ACC XMP5744	25.2	1.89	DBLD	1.6	28.0 2129 2.880
H335	46.0	2.97	DBLD	2.8	43.5 2918 2.875	ACCUR 8700	49.5	3.41	NA	3.4	55.0 1819 2.880
V-N130	37.9	2.94	DBLD	2.8	48.5 2792 2.791	200 Grain Jacketed Bullet					
V-N135	37.9	2.94	DBLD	2.8	46.4 2753 2.791	V-N550	44.2	3.06	DBLD	2.8	50.5 2632 2.953
A-XMR-4350	48.6	3.60	NA	3.4	54.0 2673 2.850	V-N140	38.3	2.81	DBLD	2.8	45.3 2569 2.815
V-N133	32.5	2.49	DBLD	2.2	43.0 2667 2.791	V-N540	40.9	2.87	DBLD	2.8	46.4 2539 2.953
A-XMR-3100	49.3	3.70	NA	3.4	55.0 2465 2.850	V-N135	40.0	3.11	DBLD	3.1	44.5 2516 2.953
ACCUR 8700	52.2	3.59	NA	3.4	58.0 1898 2.850	V-N150	42.3	3.16	DBLD	3.1	47.6 2466 2.756
155 Grain Jacketed Bullet						220 Grain Jacketed Bullet					
V-N150	44.5	3.32	NA	3.1	50.6 2861 2.972	H4350	48.0	3.48	NA	3.4	52.0 2529 2.950
V-N140	42.2	3.09	DBLD	2.8	48.7 2854 2.972	H414	48.0	3.17	DBLD	3.1	51.0 2526 2.950
V-N135	39.2	3.05	DBLD	2.8	46.2 2795 2.972	V-N550	43.8	3.03	DBLD	2.8	49.2 2500 3.035
V-N150	46.5	3.48	NA	3.4	51.4 2810 2.776	H4831	52.0	3.77	NA	3.7	55.0 2468 2.950
V-N130	42.2	3.24	DBLD	3.1	49.2 2773 2.776	H380	46.0	3.18	DBLD	3.1	49.4 2438 3.035
V-N135	42.2	3.33	NA	3.1	47.2 2736 2.776	V-N150	40.4	3.01	DBLD	2.8	46.4 2432 3.035
165 Grain Jacketed Bullet						220 Grain Lead Bullet					
H4895	52.0	3.70	DBLD	3.1	47.0 2761 2.950	V-N540	39.2	2.75	DBLD	2.8	45.2 2422 3.035
H4350	52.0	3.77	NA	3.7	55.0 2740 2.950	V-N140	38.6	2.63	DBLD	2.8	45.2 2414 3.035
H-VARGET	45.0	3.29	DBLD	3.1	48.3 2727 2.950	H-VARGET	41.0	3.00	DBLD	2.8	44.0 2412 2.950
H414	49.0	3.24	DBLD	3.1	52.0 2669 2.950	H4895	39.0	2.84	DBLD	2.8	42.2 2411 2.950
H380	47.0	3.25	DBLD	3.1	50.0 2629 2.950	H414	47.0	3.11	DBLD	3.1	49.5 2401 2.830
167 Grain Jacketed Bullet						220 Grain Jacketed Bullet					
V-N550	46.2	3.20	DBLD	3.1	52.5 2756 2.953	H4350	47.0	3.11	DBLD	3.1	49.5 2401 2.830
V-N150	45.8	3.42	NA	3.4	50.5 2736 2.953	H4831	50.0	3.62	NA	3.4	54.0 2381 2.830
V-N140	44.5	3.26	DBLD	3.1	49.1 2722 2.953	V-N550	41.0	2.84	DBLD	2.8	46.5 2332 3.035
V-N540	42.3	2.97	DBLD	2.8	48.1 2663 2.953	H380	43.0	2.97	DBLD	2.8	46.0 2274 2.830
						H-VARGET	40.0	2.92	DBLD	2.8	42.5 2269 2.830
						H4895	38.0	2.77	DBLD	2.5	41.0 2263 2.830
						V-N540	37.9	2.66	DBLD	2.5	42.8 2246 3.035
						V-N150	37.0	2.76	DBLD	2.5	43.3 2221 3.035
						With NEVER EXCEED Loads maintain MIN OAL or longer.					
						DBLD = Double Disk, see Auto-Disk measure instructions.					

With NEVER EXCEED Loads maintain MIN OAL or longer.
DBLD = Double Disk, see Auto-Disk measure instructions.
NA = None Available

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Manufactured under one or more of the following patents.
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Exclusive
THIS SET INCLUDES A
LEE FACTORY CRIMP® DIE

LEE RELOADING DIES

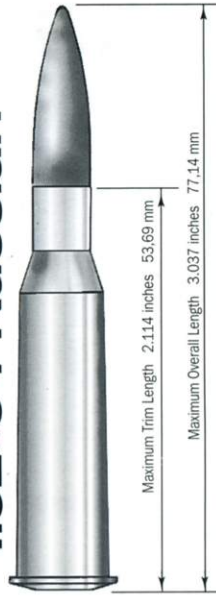
7.62x54 Russian

LEE PRECISION, INC.

LEE

RELOADING DIES

7.62x54 Russian



LARGE RIFLE PRIMERS BULLET DIAMETER .308 inches 7.82mm

GUARANTEED ACCURACY OR YOUR MONEY BACK

We guarantee no other brand of full length sizing dies, regardless of price, will load ammunition with less bullet runout than LEE RIFLE DIES or your money will be refunded.

For a full refund, return your dies to the factory with your dated sales slip and data showing comparison test with name of other brand.

PARTS LIST

Sizing Die body SD1881	14.00	Bullet Seater Punch SB1999	2.00
Decapper SE2169	3.00	Shell Holder 90003	3.98
Decapper Clamp SD2151	1.50	Powder Measure PM1410	1.00
Lock Ring SD2162	1.00	Chg. Table & Instructions CE1779	1.00
Bullet Seating Die body SB1535	14.00	Round Die Box 90535	2.98
Adjusting Screw SB2154	1.50	WHEN ORDERING PARTS, SPECIFY FOR 7/8 x 14 DIE SETS AND INDICATE CALIBER.	

CAUTION

Ammunition reloading can be dangerous if done improperly and should not be attempted by persons not willing and able to read and follow instructions exactly. Children should not be permitted to reload ammunition without strict parental supervision. Always wear safety glasses when reloading and shooting. Ammunition loaded with these tools and data should only be used in modern guns in good condition. We do not accept responsibility for ammunition loaded with these tools or data as we have no control over the manufacture and storage of components or the loading procedure and techniques. Primers and gun powders, like gasoline and matches, can be dangerous if improperly handled or misused.

GUARANTEE

LEE RELOADING PRODUCTS are guaranteed not to wear out or break from normal use for two full years or they will be repaired or replaced at no charge if returned to the factory. Any Lee product of current manufacture, regardless of age or condition, will be reconditioned to new, including a new guarantee, if returned to the factory with payment equal to half the current retail price.

Speer advises that Speer bullets should not be used with certain Lee Dies. All other brands work great!

LEE RELOADING DIES

COMPLETE INSTRUCTIONS FOR LEE RIFLE DIE SETS

1

Prepare Your Cases

Inspect your cases while lubricating them. Discard all cases with split necks, indications of head separation or other defects. Wipe on a thin film of Lee Case Lubricant with your fingers. Fingers are the best way of lubing a case as any grit that could damage the die is wiped away. **Be sure to lube the inside of the case neck with a cotton swab.** The case may be immediately sized, or let the lube dry.

Lee Lube can be thinned with up to four parts water for easier application and greater economy. If thinned, let the case dry before sizing.

All Lee Dies have finger tighten lock rings that lock to both the die and press. When removing die, always loosen by the lock ring. This insures the lock will maintain its exact setting for future use.



IMPORTANT If for any reason you do not use Lee Resizing Lubricant, be very careful not to contaminate the powder or primers. Other brands are oil base and they have serious, detrimental effects on powder and primers. Because of the stickiness, they also attract grit that can damage the die. Lee Resizing Lubricant costs less and is so superior that it is worth the effort to insist upon it, or order from the factory.

3

Prime

Prime the case according to the instructions supplied with your press. For maximum accuracy, speed and convenience, we suggest the use of a Lee Auto-Prime. With this tool, you never touch the primers from box to shell. Built-in primer flipper turns them right side up. Primers are automatically fed and installed just as fast as you can place the shell in the holder.

The Auto-Prime is hand held and requires special, but inexpensive shell holders.



4

Charge the Case

Select a load from the chart on the reverse side. This is the most critical decision you must make. An over-charge can blow up the gun and injure the shooter or persons nearby. It is dangerous to use a bullet of a greater weight with a charge for a lighter bullet. Never select a load intended for a bullet lighter than you are using.

Loads for a slightly heavier bullet are safe. The Lee Dipper is the safest and easiest powder measure to use. Adjustable powder measures should be double checked with a scale. Use the starting loads. You may work up to the **Never Exceed Loads** gradually, provided you know how to watch for pressure signs.

CAUTION: After charging the case, the only operation that should be done is to seat the bullet. Never try to seat a primer after powder has been added.



2



Full Length Sizer

Screw the full length sizer in until it touches the shell holder. Then lower the ram and screw the die in 1/4 to 1/3 turn more. Raise the ram and tighten the lock ring finger tight.

The decapper is retained by a collet. Should it be overstressed by an obstruction, it simply slides up without damage. To reset, loosen the decapper clamp and position the decapper flush with clamp end and retighten. **Considerable torque may be necessary.** A 1/2" and 3/4" wrench are necessary.

Stuck Case If a case is not lubricated, the rim will be pulled off and the case remains stuck in the die. If this happens — loosen, but do not remove — the decapper clamp. Use a drift punch and large hammer (4-lb. or larger) to tap lightly on the decapper rod and drive the stuck case free. Lee Precision will remove a stuck case for \$4.00.

Lee Safety Powder Scale

90681



It is the easiest to use, most accurate and sensitive powder scale. The exclusive safety beam has a stainless steel razor edge for maximum sensitivity. You can be sure that the Lee Safety Scale will retain its original factory accuracy for as long as it is not physically broken.

Perfect Powder Measure

90058



Versatile powder measure works well with charges as small as 2 grains, to charges over 100 grains. Soft elastomer wiper allows smooth operation even with extruded rifle powders.

Powder Measure Kit

90100



15 powder measures with slide card showing capacity of each dipper with all current powders. Over 1,300 charges are listed. Use load data supplied free from powder manufacturers and follow instructions included with Powder Measure Kit.

5

Bullet Seating Die

Screw the bullet seating die in until you feel it touch the case mouth. If no crimp is desired, back the die out 1/2 turn. If a crimp is desired, turn the die in 1/4 turn. The bullet must have a crimping groove or it cannot be crimped. Case must be trimmed to same length to provide a uniform crimp.

Bullet depth is adjusted by screwing the adjusting screw in or out to suit. Bullets should be seated deep enough to work through the gun's action. See **Maximum Overall Length** on reverse side.

CAUTION: Seating bullets excessively deep will reduce the case capacity and increase the pressure.



6

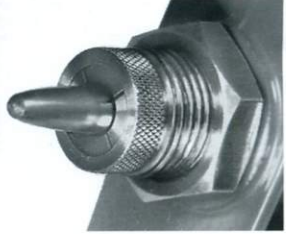
Factory Crimp Die

(NOT INCLUDED WITH LIMITED PRODUCTION DIES)

Screw the Lee Factory Crimp Die in to touch the shell holder, plus 1/2 turn more. Adjust in for a heavier crimp. It is usually best to start with too little crimp, as you can readjust and crimp again to suit your needs. When the four splits in the collet are closed, maximum crimp has been achieved. Do not try for more as the die will be damaged and the crimp excessive.

Bullets do not need a crimp groove as the Lee Factory Crimp Die will form one while crimping. However, it requires a harder push on the press lever to form the crimp.

Speer advises that Speer bullets not be used with certain Lee Dies. All other brands work great!



FACTORY CRIMP IS A TRADEMARK OF LEE PRECISION, INC.

Check Your Cases



After a few loadings, cases tend to get longer. This could be dangerous if the case were so long that it would pinch the bullet in the end of the chamber. Pressure high enough to damage the gun could result. The simplest way to check the case and trim to the correct length is with the Lee Case Trimmer.



Trim the case using the Lee Case Trimmer.



Chamfer the case inside and out.



Polish case with steel wool, scouring pad or crocus cloth.

Lee Zip Trim



Pressure high enough to long that it would pinch the bullet in the end of the chamber. Pressure high enough to damage the gun could result. The simplest way to check the case and trim to the correct length is with the Lee Case Trimmer.