

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.

LEE RELOADING DIES

COMPLETE INSTRUCTIONS FOR LEE 3 - DIE SETS

1

PREPARE YOUR CASES

Discard cases with defects such as split necks, indications of head separation or anything that would make them unsuitable for reloading. If you don't have the carbide sizer, this is a good time to lube your cases. Use your fingers to wipe it on and wipe off any grit which may be on the case. Use the lube very sparingly. You can even thin LEE LUBE with four (4) parts of water for greater economy. If thinned with water, let dry before sizing. There is no need to remove LEE LUBE after reloading.



GUARANTEE

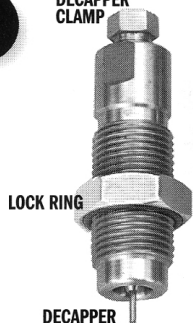
LEE RELOADING PRODUCTS are guaranteed not to wear out or break from normal use for two full years or they will be repaired or replaced at no charge if returned to the factory. Any Lee product of current manufacture, regardless of age or condition, will be reconditioned to new, including a new guarantee,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

For a complete catalog, send your name and address to:
LEE PRECISION, INC.
4275 Highway U Hartford Wisconsin 53027

The Auto Disk Powder Measure fits into the expanding die in place of the powder funnel adapter. While the case neck is being expanded, the charge is automatically and accurately dispensed. Comes complete with four (4) charge disks and 24 different cavities. More accurate than any other measure because of the built-in powder baffle and uniform actuation.

2

DECAPPER CLAMP



FULL LENGTH SIZER

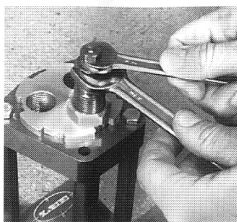
Screw the full length sizer in until it touches the shell holder and tighten the lock ring finger tight. The decapper is retained by a collet. Should it be overstressed by an obstruction; it simply slides up without damage. To reset, loosen the decapper clamp and position the decapper flush with clamp end and retighten. Considerable torque may be necessary. A 1/2" and 3/4" wrench are necessary.

CAUTION: If using a steel sizer, be sure to lubricate your cases. Without lubrication, your die will be damaged and the case may become stuck in the die.

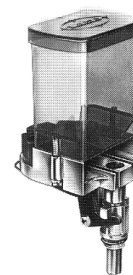
Carbide Sizing Dies Need No Lubrication

Because the carbide is so hard, no lubrication is required on the case.

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



AUTO DISK POWDER MEASURE

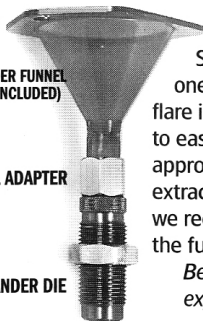


3

POWDER FUNNEL (NOT INCLUDED)

FUNNEL ADAPTER

EXPANDER DIE



EXPANDER DIE

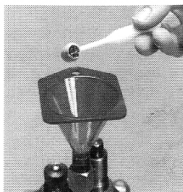
Screw the die in until it touches the shell holder, back out one turn. Finger tighten the lock ring. Screw the die in until flare is to your liking. For maximum case life, flare only enough to easily accept a bullet. In use, the expander plug travels approximately 3/8" within the die and comes to an abrupt stop at extraction. This helps the shake the powder through. However, we recommend you check to be sure all the powder has cleared the funnel and expander plug.

Be sure to occasionally clean the bullet lube from the expander plug to prevent a powder clog.

4

CHARGE THE CASE

Select a load from the chart on the reverse side. This is the most critical decision you must make. An overcharge 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. Always start with the **STARTING LOADS**. You may work up to the **NEVER EXCEED LOADS** gradually, provided you know how to watch for pressure signs. The LEE DIPPER is the safest and easiest powder measure to use. For the ultimate in speed, convenience and versatility, consider the LEE AUTO-DISK POWDER MEASURE.



CAUTION: Never try to seat a primer deeper after powder has been added.

5

BULLET SEATING DIE

Your die set includes the LEE BULLET SEAT AND FEED DIE for use with the Lee Automatic Bullet Feeder. It has a 45° chamfer to allow for the mechanical feed fingers and improved operator clearance. Raise the ram to the top of its stroke and hold. Screw the bullet seating die in until it touches the shell holder. **Then back it out three full turns.** Lightly finger tighten the lock ring. 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 charge table. If a crimp is desired, screw the die in slightly and test until the proper crimp is formed. Cases must be trimmed to the same length to provide a uniform crimp. Excessive crimp will cause the bullet seater to deform soft nose bullets.

The Bullet Seating die is equipped with a floating bullet seating punch for maximum accuracy. It is designed to seat all shapes of bullets with minimum deformation. If you attempt to compress the charge, it may deform the bullet an objectionable amount. It will be necessary to modify the bullet seating punch to fit the bullet. If unable to do it yourself or have it done locally, we can do it for you. Send \$8.00 along with a sample bullet, and order "Custom Seater Plug for Sample Bullet — \$8".



CAUTION: Seating bullets excessively deep will reduce the case capacity and increase the pressure. It is extremely important that full wadcutter bullets be used with light loads only. You can select these by their reduced velocity.

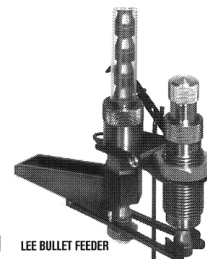
(OPTIONAL) CARBIDE FACTORY CRIMP DIE For Handgun Ammunition That Must Work

A carbide sizer sizes the cartridge while it is being crimped so every round will positively chamber freely with factory-like dependability.

The adjusting screw quickly and easily sets the desired amount of crimp. It is impossible to buckle the case as with a conventional bullet seating die. Trim length is not critical so this extra operation takes less time than it would if cases were trimmed and chamfered.

Revolver dies roll crimp with no limit as to the amount. A perfect taper crimp is applied to auto-loader rounds. The crimper cannot be misadjusted to make a case mouth too small to properly head-space.

A firm crimp is essential for dependable and accurate ammunition. It will eliminate the problems of poor ignition of slow burning magnum powders.



LEE BULLET FEEDER



LEE RELOADING DIES

90510

38 Special

CARBIDE DIES

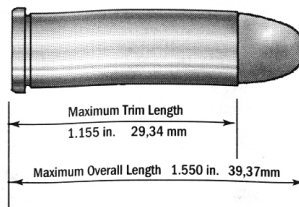
REQUIRE NO LUBRICATION

LEE PRECISION, INC.

By far, the most popular handgun cartridge ever made. Easy to reload, it will accept a large variety of bullets. The accepted standard for target work is the 148 grain wadcutter. These cut clean holes in the target and are easy to score. More important is the exceptional accuracy wadcutters give. To maintain the accuracy, a clean gun is essential. This is a very easy cartridge to reload and a pleasure to shoot.

These dies can be used to load the 357 Magnum by backing out the bullet seater and expanding die two (2) turns.

BULLET DIAMETER
.357-.358 inches 9,07-9,09mm



SMALL PISTOL PRIMERS

EXCLUSIVE

POWDER THROUGH EXPANDER DIE FOR THE LEE AUTO-DISK POWDER MEASURE

This die permits charging the case while expanding and flaring the case mouth.

Can be used with a LEE Powder Funnel or the Lee Auto-Disk Powder Measure.



90581

38 Special

Powder Through Expander Die



CD2225

38 SPECIAL

Powder TypeSTARTING LOADS.....					Min
	Start Volume Grains	Auto-CC	Lee Disk	NEVER Dipped	Velocity EXCEED FPS	
90 Grain Jacketed Bullet						
HP38	4.7	.44	.43	NA	5.7	1201 1.425
95 Grain Jacketed Bullet						
IMR 800X	7.4	.80	.76	.7	7.8	1195 1.470
IMR4227	11.2	.86	.82	NA	11.9	1090 1.470
SR4756	6.1	.67	.66	NA	6.5	1080 1.470
SR7625	5.3	.56	.53	.5	5.6	1065 1.470
110 Grain Jacketed Bullet						
BLUE DOT	7.4	.64	.61	NA	7.8	1170 1.430
IMR 800X	6.8	.73	.71	.7	7.2	1095 1.460
UNIQUE	5.4	.59	.57	NA	5.6	1090 1.430
HERCO	5.3	.59	.57	NA	5.6	1090 1.430
BULLSEYE	4.5	.48	.46	NA	4.5	1085 1.430
SR7625	5.3	.56	.53	.5	5.5	1060 1.460
GREEN DOT	4.3	.54	.53	.5	4.6	1050 1.430
HP38	4.2	.39	.37	NA	5.2	1043 1.425
110 Grain XTP						
v-N350	6.4	.62	.61	NA	7.1	1227 1.437
v-3N37	9.9	.63	.61	NA	7.7	1224 1.437
v-N340	5.8	.62	.61	NA	6.5	1154 1.437
v-N320	5.1	.62	.61	NA	5.7	1188 1.437
HS6	7.0	.50	.49	.5	7.8	1178 1.455
A NITRO100	3.9	.53	.53	.5	4.4	1153 1.435
UNIVERSAL	5.0	.55	.53	.5	5.6	1143 1.455
TITEGROUP	4.3	.36	.34	NA	4.8	1109 1.455
HP38	4.6	.43	.43	NA	5.5	1096 1.455
SOLO 1000	3.9	.52	.49	.5	4.4	1094 1.435
124 Grain Lead Bullet						
v-N350	5.7	.56	.53	.5	6.4	1150 1.437
v-3N37	5.9	.54	.53	.5	6.6	1137 1.437
v-N340	5.4	.57	.57	.5	6.0	1131 1.437
v-N320	4.3	.52	.49	.5	4.8	1077 1.437
125 Grain Jacketed Bullet						
HERCO	5.1	.58	.57	.5	5.5	1040 1.440
BLUE DOT	7.0	.61	.61	NA	7.3	1035 1.440
A NITRO100	3.7	.50	.49	.5	4.1	1031 1.445
UNIQUE	5.0	.54	.53	.5	5.3	1015 1.440
SOLO 1000	3.7	.49	.49	NA	4.1	1010 1.445
BULLSEYE	3.3	.46	.46	NA	4.4	1000 1.440
ACCUR #2	4.8	.40	.40	NA	5.3	990 1.445
GREEN DOT	4.0	.51	.49	.5	4.3	985 1.440
IMR 800X	6.7	.71	.71	.7	6.9	980 1.525
RED DOT	3.7	.53	.53	.5	3.9	950 1.440
SR7625	5.0	.52	.49	.5	5.3	935 1.525
IMR4227	10.1	.78	.76	.7	10.8	930 1.525
125 Grain Lead Bullet						
HP38	3.8	.35	.34	.3	4.8	1071 1.445
UNIVERSAL	4.3	.47	.46	NA	4.7	1036 1.445
TITEGROUP	3.2	.27	.27	NA	3.8	985 1.445
CLAYS	2.5	.37	.37	NA	3.5	978 1.445
125 Grain Copper Plated						
ACCUR #5	6.5	.40	.40	NA	7.2	1171 1.430
v-3N37	5.9	.54	.53	.5	6.6	1096 1.437
ACCUR #2	4.2	.35	.34	.3	4.7	1083 1.430
v-N350	5.7	.55	.53	.5	6.3	1064 1.437
v-N340	5.1	.55	.53	.5	5.7	1055 1.437
125 Grain XTP						
v-N350	6.2	.60	.57	NA	7.0	1132 1.437
v-3N37	6.3	.58	.57	.5	7.2	1115 1.437
v-N340	5.5	.58	.57	.5	6.2	1102 1.437
HS6	6.5	.46	.46	NA	7.2	1048 1.455
v-N320	4.7	.56	.53	.5	5.3	1043 1.437
UNIVERSAL	4.7	.52	.49	.5	5.2	1019 1.455
TITEGROUP	4.3	.36	.34	NA	4.6	1010 1.455
CLAYS	3.5	.51	.49	.5	3.9	937 1.455
HP38	4.3	.40	.40	NA	4.9	934 1.455

Powder TypeSTARTING LOADS.....					Min
	Start Volume Grains	Auto-CC	Lee Disk	NEVER Dipped	Velocity EXCEED FPS	
130 Grain Jacketed Bullet						
HS6	6.2	.44	.43	NA	7.2	1077 1.425
135 Grain Lead Bullet						
UNIVERSAL	4.1	.45	.43	NA	4.6	1025 1.418
HP38	3.7	.34	.34	.3	4.7	1024 1.418
TITEGROUP	3.1	.26	.24	NA	3.6	927 1.418
140 Grain Jacketed Bullet						
v-3N37	6.9	.54	.53	.5	6.6	1010 1.437
v-N350	5.7	.56	.53	.5	6.4	1004 1.437
v-N340	5.2	.55	.53	.5	5.8	981 1.437
v-N320	4.5	.54	.53	.5	5.0	955 1.437
A NITRO100	3.5	.47	.46	NA	3.9	933 1.445
140 Grain XTP						
UNIVERSAL	4.3	.47	.46	NA	4.8	939 1.455
HS6	5.8	.41	.40	NA	6.5	933 1.455
TITEGROUP	3.9	.33	.32	.3	4.2	919 1.455
CLAYS	3.0	.44	.43	NA	3.7	869 1.455
HP38	4.2	.39	.37	NA	4.6	861 1.455
145 Grain Lead Bullet						
v-N350	5.2	.51	.49	.5	5.8	1043 1.476
v-N340	4.8	.51	.49	.5	5.3	1033 1.476
v-3N37	5.0	.46	.46	NA	5.6	1001 1.476
v-N320	3.7	.45	.43	NA	4.1	938 1.476
146 Grain Jacketed Bullet						
H4227	9.6	.74	.71	.7	10.7	979 1.370
HS6	5.6	.40	.40	NA	6.3	969 1.370
UNIVERSAL	4.0	.44	.43	NA	4.5	933 1.370
v-3N37	5.1	.47	.46	NA	5.7	932 1.378
v-N350	5.0	.49	.49	NA	5.6	932 1.378
v-N340	4.5	.48	.46	NA	5.0	922 1.378
TITEGROUP	3.5	.30	.30	NA	4.0	914 1.370
IMR4227	9.8	.75	.71	.7	10.3	880 1.395
HP38	4.0	.37	.37	NA	4.5	876 1.370
147 Grain Lead Bullet						
VEC BA9	6.2	.57	.57	.5	6.8	1056 1.550
148 Grain Wad Cutter						
HP38	3.5	.32	.32	.3	4.0	956 1.160
IMR4227	10.7	.82	.82	.7	11.4	945 1.295
HS6	4.5	.32	.32	.3	5.2	943 1.160
UNIVERSAL	2.9	.32	.32	.3	3.8	940 1.160
TITEGROUP	2.7	.23	.21	NA	3.3	908 1.160
IMR 800X	4.3	.46	.46	NA	5.5	905 1.295
SR4756	4.9	.53	.53	.5	5.2	905 1.295
v-N350	3.9	.38	.37	NA	4.3	892 1.181
SR7625	3.2	.33	.32	.3	4.2	875 1.295
v-N340	3.5	.37	.37	NA	3.9	863 1.181
A NITRO100	2.4	.32	.32	.3	2.7	863 1.252
IMR PB	2.8	.34	.34	.3	3.8	855 1.295
150 Grain Jacketed Bullet						
HS6	7.0	.50	.49	.5	7.0	1011 1.425
H4227	10.1	.78	.76	.7	10.5	909 1.425
157 Grain Jacketed Bullet						
VEC BA9	4.9	.45	.43	NA	5.2	876 1.550
157 Grain Lead Bullet						
VEC BA9	5.4	.50	.49	.5	5.9	981 1.550
VEC AO	6.2	.74	.71	.7	6.2	958 1.550
158 Grain Jacketed Bullet						
v-N350	5.2	.51	.49	.5	5.9	925 1.437
v-3N37	5.4	.49	.49	NA	6.1	915 1.437
v-N340	4.6	.49	.49	NA	5.2	876 1.437
158 Grain Lead Bullet						
HS6	5.7	.41	.40	NA	6.3	1010 1.475
H4227	9.0	.69	.66	NA	10.0	983 1.475
UNIVERSAL	3.5	.38	.37	NA	4.5	974 1.475
BLUE DOT	6.8	.51	.49	.5	6.1	955 1.420
AMER-SELECT	3.8	.51	.49	.5	4.3	950 1.420
ACCUR #5	5.3	.33	.32	.3	5.9	940 1.481

Powder TypeSTARTING LOADS.....					Min
	Start Volume Grains	Auto-CC	Lee Disk	NEVER Dipped	Velocity EXCEED FPS	
158 Grain Lead Bullet						
HERCO	4.3	.48	.46	NA	4.5	930 1.420
UNIQUE	4.0	.44	.43	NA	4.3	920 1.420
TITEGROUP	3.2	.27	.27	NA	3.8	920 1.475
BULLSEYE	3.5	.37	.37	NA	3.6	910 1.420
A NITRO100	2.9	.39	.37	NA	3.3	894 1.481
WIN 540	6.2	.42	.40	NA	6.8	880 1.550
IMR 800X	4.8	.51	.49	.5	5.7	875 1.520
WIN 571	6.7	.46	.46	NA	7.4	875 1.550
CLAYS	2.8	.41	.40	NA	3.1	871 1.475
GREEN DOT	3.4	.42	.40	NA	3.5	870 1.420
ACCUR #2	3.6	.30	.30	.3	4.0	868 1.481
SOLO 1000	3.0	.40	.40	NA	3.4	857 1.481
158 Grain Copper Plated						
ACCUR #5	5.1	.32	.32	.3	5.7	943 1.430
v-3N37	5.5	.50	.49	.5	6.1	925 1.476
v-N350	5.3	.52	.49	.5	5.9	922 1.476
v-N340	4.8	.51	.49	.5	5.3	879 1.476
v-N320	3.9	.47	.46	NA	4.3	843 1.476
158 Grain XTP						
H4227	9.0	.69	.66	NA	10.0	864 1.455
HS6	5.6	.40	.40	NA	6.2	862 1.455
ACCUR #5	5.2	.32	.32	.3	5.8	841 1.445
SOLO 1000	3.1	.41	.40	NA	3.4	798 1.445
TITEGROUP	3.5	.30	.30	NA	3.9	798 1.455
A NITRO100	2.9	.39	.37	NA	3.2	786 1.445
HP38	3.8	.35	.34	.3	4.3	779 1.455
UNIVERSAL	4.0	.44	.43	NA	4.4	778 1.455
160 Grain Jacketed Bullet						
HS6	6.5	.46	.46	NA	6.5	914 1.425
H4227	9.6	.74	.71	.7	10.0	872 1.425
HERC 2400						