

# **Tube Rifle Bullet Feeder**



## **PRODUCT INSTRUCTIONS**

Part# 82361/82362

20028465/8130



BEFORE USING THE RCBS TUBE RIFLE BULLET FEEDER, READ THESE INSTRUCTIONS CAREFULLY TO FULLY LEARN HOW TO SAFELY OPERATE THE RELATED EQUIPMENT.

FAILURE TO PROPERLY OPERATE THE RELATED EQUIPMENT CAN RESULT IN SEVERE PERSONAL INJURY AND/OR EQUIPMENT DAMAGE.

If you have any questions while assembling or operating this product, call us at

1-800-379-1732 (U.S. or Canada)

Hours: Monday - Friday 5:00 a.m. - 5:00 p.m. Pacific Time

Or email us at rcbs.tech@vistaoutdoor.com

This instruction manual contains specific safety and operating information. It should be considered a permanent part of your equipment and remain with the equipment at all times for easy reference.

## **READ ALL INSTRUCTIONS BEFORE USE**

#### RELOADING SAFETY

NOTICE - This manual is not intended to provide comprehensive instructions or safety information on how to reload, or handle or use reloading components. Always read and thoroughly understand a reloading manual before attempting to reload.

Reloading is an enjoyable and rewarding hobby when conducted safely. But, as with many hobbies, carelessness or negligence can make reloading hazardous.



## MARNING!: WHEN RELOADING, ALWAYS FOLLOW THESE SAFETY GUIDELINES TO MINIMIZE THE RISK OF PERSONAL INJURY OR DEATH.

- · Always wear safety glasses.
- Understand what you are doing and why. Read handbooks and manuals on reloading. Talk to experienced reloaders. Write or call suppliers of equipment or components if you have questions or are in doubt.
- Read and understand all warnings and instructions accompanying your equipment and components. If you do not have written instructions, request a copy from the manufacturer. Keep instructions for future reference.
- Do not rush or take short cuts. Establish a routine and follow it at a leisurely pace.
- Keep complete records of reloads. Label each box showing the date produced, and type of components used.
- Do not smoke while reloading, or reload near sources of heat, sparks or flame.
- · Observe good housekeeping in the reloading area. Keep tools and components neat, clean and orderly. Promptly and completely clean up any spills.
- Keep your hands and fingers away from "danger" spots and pinch-points where they might be injured.
- Keep all reloading equipment and components out of reach of children.
- Keep all packing material out of reach of children.
- · This device is not intended for use by individuals with restricted physical, sensory or mental capacities or those with a lack of experience and/or knowledge, including children, unless they are supervised by an individual who is responsible for their safety or have received training in operating the device.
- Stay alert. Reload only when you can give your undivided attention. Do not reload when tired, ill, rushed or under the influence of drugs or alcohol.

#### **LOADING DATA**

Use only laboratory tested reloading data. We highly recommend the current SPEER Reloading Manual.



OBSERVE ALL WARNINGS ABOUT THE USE OF MAXIMUM LISTED LOADS.

#### WORKING WITH CARTRIDGE CASES

- Examine empty cases to be sure they are in good condition before reloading. Thin, split, deformed, or badly corroded or pitted cases may be structurally weak, and result in a dangerous condition. Pay particular attention to splits in the mouth, separation between the case and the head, and dents in the shoulder.
- Do not store cartridge cases or ammunition near harsh chemicals such as gasoline, household cleaners or cat urine. The fumes can weaken the metal and present a dangerous condition.
- Do not clean cases with chemicals other than those specifically designed for the purpose.
- Do not attempt to clean loaded ammunition or primed cases. Doing so can cause corrosion, and weaken the case, or cause a misfire/hangfire condition.
- · Ensure cases have proper primer pocket sizes; remove primer staking/crimp if necessary. Attempting to seat a primer into an undersized pocket or pocket with staking/crimping can result in detonation.
- Do not ream out or enlarge flash holes of cartridge cases. This may change the ignition rate and result in dangerous pressures.
- Resize and trim fired cases to ensure reliable chambering and obtain proper projectile tension and crimp.
- Never attempt to guess at the identity of your ammunition.

Reloading is an enjoyable and rewarding experience. This case prep center will add to the quality of your reloads. It has been designed from the beginning with the user's safety in mind.

As with any mechanical device, some safety, rules must be followed. By observing these rules, the chance of a hazardous occurrence becomes extremely remote.

#### **IMPORTANT**

BEFORE USING THE RCBS TUBE RIFLE BULLET FEEDER, READ THIS INSTRUCTION MANUAL CAREFULLY TO LEARN HOW TO SAFELY OPERATE THE PRODUCT.



 $oldsymbol{\mathbb{A}}$  WARNING: Failure to properly operate the Case Feeder center may result in personal injury and/or equipment damage.

If you have read these instructions and still do not understand some operation, call us at 800-379-1762 or 530-533-5191 and a technician will assist you.

This instruction manual contains specific safety and operating information. It should be considered a permanent part of your reloading equipment, and remain with the equipment at all times for easy reference.

#### **GENERAL**

- Use all equipment as the manufacturer recommends. Study the instructions carefully and become thoroughly familiar with the operation of the product. If you do not have written instructions, request a copy from the equipment manufacturer.
- Don't take short cuts. Attempting to bypass established procedures is an invitation to an accident.
- · Observe "good housekeeping" in the reloading area. Keep tools and components neat, clean and orderly. Promptly and completely clean up primer and powder spills.
- Reload only when you can give your undivided attention. Do not reload when fatigued or ill, or under the influence of medication or alcohol. Never smoke while reloading. Develop a reloading routine to avoid mistakes. Don't rush load at a leisurely pace.

Always wear adequate eye protection to protect your eyes from flying particles. You assume unnecessary risk when
reloading without wearing safety glasses.

#### **RECORD KEEPING**

Keep complete records of reloads. Apply a descriptive label to each box showing the date produced, and the reloading components used. Labels for this purpose are packed with SPEER products. Never attempt to guess at the identity of your reloads.

This product is intended for use by persons familiar with proper handloading practices and their own loading equipment. If you are uncertain as to the operation of any of your equipment, contact the equipment manufacturer for additional assistance.

Because RCBS has no control over the choice of components, the manner in which they are assembled, the use of this product, or the manufacturing or condition of guns in which the resulting ammunition may be used, no responsibility—either expressed or implied—is assumed for the use of ammunition reloaded with this product.

#### USE

The RCBS Tube Rifle Bullet Feeder has been designed to increase your progressive rifle loading rate by reducing the manual operation of placing a bullet onto the case mouth and guiding it into the seat/crimp die. There are two versions, .22 caliber and .30 caliber.

This is accomplished by first expanding the case mouth of your bottleneck rifle case with the included "M" Style expander and then the Bullet Feed Die will place the bullet onto the case mouth. The weight of the bullet dropping into the case mouth will "soft seat" the bullet into the case, which allows the case to index around to the seating station, without the bullet falling off. Crimping the case mouth, to remove the M expansion for use in semi auto, pump and lever action firearms is recommended.

Cases MUST be trimmed, to a consistent length, for proper case mouth expansion and crimp.

The Tube Rifle Bullet Feeder is designed to work with most types of JACKETED rifle bullets, flat base, boat tail, FMJ, soft point, hollow point and tipped. Some Round Nose bullet designs may not work as there is not sufficient distance from the ogive of the bottom bullet and the base of the top bullet. Cast or swaged bullets cannot be used as the bullet lube will prevent the Ball Bearings from moving properly in the Drop Tube and Feed Die. Many "E" bullets (non-lead) and solid copper bullets may not work due to their excessive length to caliber ratio.

The Tube Rifle Bullet Feeder is designed to be used on RCBS 5 or 7 station progressive presses such as the Pro Chucker 7, Pro Chucker 5, Pro2000, Pro2000 Auto and PiggyBack-4.

The Rifle Bullet Feeder has also been designed to function on progressive presses manufactured by other companies. RCBS has successfully tested the Bullet Feeder on the following presses: Dillon® RL550B, XL650 and Hornady® Projector™, L-N-L™AP™. For presses that require you to Seat and Crimp bullets in separate operations, you may need to combine bullet Seating and Crimping to accommodate the Bullet Feeder. This may require the purchase of a combination bullet Seat and Crimp die (not included).

## Capacity

#### **Bullet Feed Tube:**

.22 cal - 11-24 bullets

.30 cal – 10-18 bullets

## Bullet weights accommodated:

.22 cal - 40 to 90 grains

.30 cal - 110-200 grains.

## Cartridge lengths:

.22 cal - 5.7x28FN to .220 Swift

.30 cal - .30 Carbine to .300 Win Mag

New cartridges and bullets are introduced every year, RCBS cannot anticipate these introductions or test every cartridge/ bullet known to mankind. That being said, there will be some popular and many obscure cases/bullets that may not work with the Tube Rifle Bullet Feeder due to case length, case diameter or bullet profile. We apologize in advance if this happens to be your situation and hope that you understand why the Rifle Bullet Feeder may not work for you component choice.

#### UNPACKING

Refer to the list and photo below to Identify parts as you unpack your new RCBS Tube Rifle Bullet Feeder.

- 1. Bullet Feed Die Body
- 2. Adjustment Sleeve
- 3. Drop Bushing (30 cal ONLY)
- 4. Drop Tube
- 5. Ball Bearings (4)
- 6. Tube Adapter
- 7. Bullet Feed Tube
- 8. Funnel Adapter
- 9. O-Ring
- 10. Die Body Lock Ring Assembly
- 11. Expander Body
- 12. Expander



Photo 1

#### PARTS PREPARATION

Metal parts must be cleaned of the machine oil/rust preventative before use. Use a firearms degreaser to clean these parts. Pay particular attention to the multiple holes in the Drop Tube. Residual oil will prevent the Ball Bearings from operating properly.

DO NOT USE the degreaser on the clear plastic Tube Adapter or carbon fiber Bullet Feed Tube. Use hot water and dish soap to clean these parts of oil and dry thoroughly.

#### **DIE PLACEMENT**

Most progressive presses have at least five stations. The typical bottleneck rifle die set contains two dies, a sizer and seat/crimp. One station on the progressive press is occupied by the Sizer die, one by the powder drop station and the other by the Seat/Crimp die. This leaves two empty stations, perfect for the installation of the Rifle Expander and the Tube Rifle Bullet Feeder.

The Expander can be installed before or after the powder drop station. If the powder charge is compressed or in excess of 90% case capacity, expansion must occur BEFORE powder drop.

The Tube Rifle Bullet Feeder must be installed at the station prior to bullet seating.

Detailed installation is covered in the corresponding SETUP & ADJUSTMENT sections.

If you are using the RCBS Pro Chucker 7, seven station progressive press, you have additional options where to install the Rifle Expander and Rifle Bullet Feeder dies. You can also continue to use a Powder Checker die and conduct bullet seating and crimping in separate operations.

#### **SETUP & ADJUSTMENT**

#### Expanding

The Tube Rifle Bullet Feeder has an "M" style tapered and stepped expander that is critical to the function of the Rifle Bullet Feeder die. Cases MUST be expanded for the system to work properly. You will not see the typical case mouth bell/flare that is commonly found on straight wall cases.

Cases MUST be trimmed, to a consistent length, for proper case mouth expansion and crimp. Cases that are too long, may suffer collapsed neck/shoulders, if they contact the top of the Expander Plug. Cases that are too short may not receive adequate expansion, the bullets may not "soft seat', causing them to fall from the case mouth during indexing of the press.

The stepped expander will open the top portion of the case mouth .001"-.003" beyond the bullet diameter and up to .060" deep. This allows the rifle bullet to "soft seat" itself when dropped in from the Feed Die.

Insert a properly sized and trimmed case into the shell holder at your chosen expanding station. Lower the press handle to raise the case to the top of press stroke and leave there.

Install 7/8"-14 Die Lock Ring onto the Expander Body approximately half the thread distance (*Photo 2*).

Install 9/16" Lock Ring onto the Expander (*Photo 2*) and thread Expander into Expander Die Body three to four threads (*Photo 3*).







Photo 3

Photo 4

Thread the Expander Die Assembly over the case and into the press several turns (*Photo 4*). The position of the Expander Die Body and Expander will vary on the length of the case that you are using.

With the case still in the up position, run Expander Die Assembly down (*Photo 6*), until you feel the tip of the expander make contact with the case mouth (*Photo 5*). Lock the Die Lock Ring. *NOTE: If the Expander Body contacts the Shell Plate before the Expander contacts the case, raise the Die Body up several turns and lock the Die Lock Ring. Then thread the Expander down until it contacts the case mouth. Do not force Expander into case mouth at this time.* 





Photo 5

Photo 6

Raise the press handle, turn the Expander down one and a half(1  $\frac{1}{2}$ ) turns (~.084") and finger tighten the 9/16" Lock Ring. This is the starting height setting of the Expander.



Photo 7

Re-position your sized and trimmed case in the shell plate and cycle the case up into the Expander (*Photo 7*). Remove the case and check the case neck expansion.

Place a bullet onto the case mouth with very slight pressure. Turn the case over. Did the bullet fall out? If YES: turn the Expander down further and repeat expansion process. If NO: setting is correct.

One guarter turn of the Expander Plug, will move up or down .014".

You should not see flare/bell at the case mouth. If you do, the Expander is going into the case too deep and is most likely deforming the neck/shoulder area of the case. This will prevent the cartridge from chambering. Raise the Expander up if you see case mouth flare and discard that case.

The optimal expanded depth is .050"-.070". This can be measured by taking your sized and trimmed case, setting your bullet on top and measuring the length. Then expand this case, place the bullet into the case neck and measure the length. The difference between these two measurements should be in the .050"-.070" range.

Once your expansion is in the .050"-.070" range, tighten the 9/16" Expander Plug Lock Ring.

**EXAMPLE:** Case 2.000" + Flat Base Bullet 1.250" = 3.250". Flat Base Bullet "soft seated" into the case = 3.200". The expanded depth is, 3.250" - 3.200" = .050". NOTE: To do this calculation with boat tail bullets, measure from the tip of the bullet to the caliber part of the boat tail. Do not include the tapered length of the boat tail.



## **Bullet Feeding**

The Bullet Feed Die features two sets of Ball Bearings working in tandem. The lower set is the "feed set" and the upper set is the "shut off set".

When the Drop Tube is in the bottom position the feed set is closed. As the Drop Tube is raised up, the upper Ball Bearings "shut off set", begin to move into the closed position. The closed position shuts off and separates, the bullet to be dropped into the case, from the bullet supply in the Feed Tube. Once the shut off set begins to block off the Feed Tube bullets, the feed set will open up allowing only one bullet to be dropped into the case mouth. This short fall will "soft seat" the bullet into the case mouth so that it remains in place during indexing. As the Drop Tube is lowered, the feed set will begin to close, followed by the shut off set opening. Thus allowing the next bullet to drop into position to be fed into the next case.

There are several positions for the shut off Ball Bearings. The Ball Bearing position is based on bullet length, it is critical that the Ball Bearings are installed into matching hole positions. The .22 cal version has nine sets and the .30 cal version has eight sets.

Install Lock Ring Assembly onto Rifle Bullet Feeder Die Body half the distance of the threads (*Photo 8*).

Thread in the Adjustment Sleeve into the Die Body with the slot end facing up until it is below the top surface of the die (*Photo 9*). This will be adjusted later.



Skip to next step if using 22 cal die. Place the .30 cal Drop Bushing into the Die Body with large chamfered end facing up, it will drop to the bottom (*Photo 10*).

Place the Drop Tube into the Die Body, the shoulder should rest on the top of the Die Body. If it does not, check that the Adjustment Sleeve is threaded below the top surface of Die Body

With a properly expanded case inserted in the shell plate under the Feed Die, lower the handle to run the case up into the Die Body (*Photo 11*).

Turn the die body down into the press until the case is causing the Drop Tube shoulder to be above the top of the Die Body. The gap between the Drop Tube Shoulder and the Die Body is determined by the case you are using. The minimum gap is .180" for short cases such as 5.7x28 and .30 Carbine. The largest allowable gap is .500" for tall cases such as .300 Win Mag. Most other cases should be set for .250" gap. Once the distance is set, tighten the Die Lock Ring (*Photo 12*).



Photo 10





Photo 11

Photo 12

Remove the Drop Tube from the Feed Die Body and insert two Ball Bearings into the lower feed set holes. Re-install Drop Tube into the Feed Die Body (*Photo 13*). Place one bullet into the Drop Tube (*Photo 14*) and raise the case up to the top of the press stroke. The case should lift the Drop Tube (*Photo 15*), the bullet will force the feed Ball Bearings to move into a recess and the bullet should fall through and into the case mouth. The bullet is now "soft seated" into the case neck (*Photo 16*). Ensure there is sufficient neck tension on the bullet to prevent it from falling out during indexing.







Photo 13

Photo 14

Photo 15

Photo 16

Remove the Drop Tube from the Die Body and be cautious not to lose the two feed Ball Bearings previously installed. With the feed Ball Bearings inserted in the lower holes, keep them in place by pinching them between your fingers. Place a bullet into the Drop Tube and find the set of shut off holes that are just below the tip of the bullet. Mark which set of shut off holes you will be using (*Photo 17*).

As the top Ball Bearings are moving into the closed position they will need to clear the tip of the lower bullet and slide underneath the bullet base above.

Remove bullet from the Drop Tube and set all the parts aside. NOTE: Keep the Ball Bearings from rolling away!

Now that you know which shut off holes you are using, reference the chart below to determine the depth of the Adjustment Sleeve. The depth is set by measuring the top of the Adjustment Sleeve to the top of the Feed Die Body (*Photo 18*). Thread the adjustment sleeve up or down, to the depth on chart(s) below, based on your selected Shut Off Hole Set. Further minor up and down adjustment of the Sleeve may be necessary for proper function.





Photo 17

Photo 18

## 22 Cal Adjustment Sleeve Chart

Holes are designated top to bottom. They alternate sides as they go down.

Hole	Distance	
1	0	
2	0.05	/ / P @
3	0.15	
4	0.25	
5	0.35	FEED HOLE
6	0.45	
7	0.55	
8	0.65	
9	0.75	(O))

## 30 Cal Adjustment Sleeve Chart

Holes are designated top to bottom. They alternate sides as they go down.

Hole	Distance	
1	0	
2	0.1	
3	0.2	
4	0.3	FEED HOLES
5	0.4	
6	0.5	
7	0.6	
8	0.7	

Pick up the Drop Tube and place the two Ball Bearings in the lower Feed holes. Pinch the Bearings between your fingers to keep in place and install into the Feed Die Body. Raise the Drop Tube slightly and insert the two Ball Bearings in the holes you selected for the Shut Off holes and allow the Drop Tube to set in the Feed Die Body (*Photo 19*).



Photo 19

## **Adjustment Ring Adjustment**

Place two bullets into the Drop Tube (*Photos 20, 21*), pull up on the shoulder of the Drop Tube to the height that you adjusted to in *Photo 12* (0.250"). As the Drop Tube comes up, a bullet should drop out of the Feed Die. Lower the Drop Tube and the second bullet should drop down into the feed position. If the above sequence occurs, the Feed Die is properly set up.



Photo 20



Photo 21

## **TROUBLESHOOTING: Adjustment Ring Adjustment**

- If both bullets drop, the Adjustment Ring is too high. Remove the Drop Tube and four Ball Bearings.
   Thread the Adjustment Ring down one-half turn. Re-install the Drop Tube and Ball Bearings. Repeat the procedure above.
- If the Adjustment Ring is too low, the upper Ball Bearings will remain "closed" and not allow a bullet to pass into the feed position. Remove the Drop Tube and four Ball Bearings. Thread the Adjustment Ring up one-half turn. Re-install the Drop Tube and Ball Bearings. Repeat the procedure above.
- If the Shut Off Ball Bearings are installed in a hole position that is too low, the Ball Bearings will pinch the lower bullet and not allow it to drop from the Feed Die.
- If the Shut Off Ball Bearings are installed in a hole position that is too high. The Ball Bearings will lock up
  on the base of the upper bullet. If this occurs, you will have to push the bullets back up and out of the
  Drop Tube. Use a dowel or other object, that will pass through the Drop Tube, to push the stuck bullet
  up and out of the Drop Tube.

Once the Feed Die is properly adjusted, install the Tube Adapter into the top of the Drop Tube. Insert the carbon fiber Bullet Feed Tube into the Tube Adapter. Place the Funnel Adapter on the top of the Bullet Feed Tube. NOTE: The Funnel Adapter is designed to accept the RCBS Quick Change Funnel (sold separately) which eases the loading of bullets into the Bullet Feed Tube.

Insert a properly sized, trimmed and expanded case into the shell plate under the Feed Die. Lower the press handle, a bullet should drop onto the case mouth. Raise the handle, as the Drop Tube lowers, a bullet should drop into the "feed" position. If this sequence occurs, the Rifle Bullet Feeder is properly adjusted and ready for use.

Place a straight pin or paper clip through the hole in the Tube Adapter (*Photo 22*), insert the Bullet Tube into the adapter, place the Funnel adapter onto the top of the Feed Tube and fill with bullets (*Photo 23*).

The Funnel Adapter was designed to accept the RCBS Quick Change Powder funnel (sold separately), to make loading of bullets into the Feed Tube much easier. (*Photo 24*)







Photo 22

Photo 23

Photo 24

Remove the straight pin or paper clip and you are ready to start loading.

#### MAINTENANCE

Periodically disassemble and clean the Expander and Rifle Bullet Feeder die assembly.

Remove the Rifle Expander from the Die Body and clean off any residue. Replace and re-adjust as necessary.

Remove the Adjustment Sleeve (2), Drop Bushing (3), Bullet Drop Tube (4) and four Ball Bearings (5) from the Rifle Bullet Feeder Feed Die (refer to the parts list on page 4). Clean all parts with standard gun cleaning type products to remove debris. Lubricate parts with a light machine or gun oil. Re-assemble and adjust the assembly. DO NOT over lubricate as it may prevent the ball bearings from operating properly.

#### LIMITED LIFETIME WARRANTY

Your RCBS Tube Rifle Bullet Feeder is warranted to be free from defects in material or workmanship for as long as the original owner owns it. This warranty is extended only to the original consumer purchaser. All RCBS products are intended for non-commercial use by hobbyists. Any other use of these products will void the warranty. If you believe that your product is covered by this warranty, you must return the product to RCBS at the address below, postage paid, with proof of purchase for evaluation. If covered, we will (at our sole option) repair, replace, or refund the purchase price of any part or product found to be defective. This remedy will be without charge except for reasonable shipping, handling and insurance charges.

TO ENSURE ACCURACY OF YOUR WARRANTY INFORMATION, SEND YOUR DATED PROOF OF PURCHASE TO THE ADDRESS BELOW. This limited warranty does not cover defects or damage resulting from carelessness, misuse, commercial use, abuse, neglect, improper installation or assembly, water submersion, unauthorized or improper repair, failure to follow operation instructions, modification or normal wear and tear.

ANY WARRANTIES IMPLIED BY LAW SHALL IN NO EVENT EXTEND BEYOND DURATION OF THIS EXPRESS WARRANTY. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. REPAIR OR REPLACEMENT AS PROVIDED HEREIN IS YOUR EXCLUSIVE REMEDY FOR ANY DEFECTIVE PRODUCT. IN NO EVENT SHALL WE BE LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND ARISING OUT OF THE PURCHASE OR USE OF THIS PRODUCT, WHETHER BASED UPON CONTRACT, TORT, STATUTE OR OTHERWISE. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

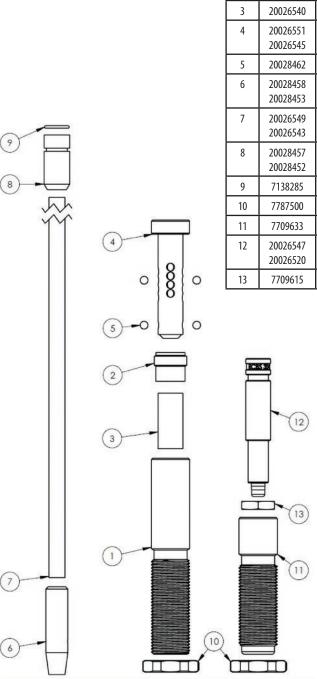
#### **CONTACT US:**

#### **RCBS**

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Website: www.rcbs.com

## **PARTS LIST**



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ITEM	PART#	DESCRIPTION	QTY
1	20026548 20026543	RIFLE BULLET FEED DIE 22 CAL RIFLE BULLET FEED DIE 30 CAL	1
2	20026552 20026546	ADJUSTMENT SLEEVE 22 CAL ADJUSTMENT SLEEVE 30 CAL	1
3	20026540	DROP BUSHING 30 CAL	1
4	20026551 20026545	BULLET DROP TUBE 22 CAL BULLET DROP TUBE 30 CAL	1
5	20028462	BALL BEARING .177"	4
6	20028458 20028453	TUBE ADAPTER 22 CAL TUBE ADAPTER 30 CAL	1
7	20026549 20026543	BULLET FEED TUBE 22 CAL BULLET FEED TUBE 30 CAL	1
8	20028457 20028452	FUNNEL ADAPTER 22 CAL FUNNEL ADAPTER 30 CAL	1
9	7138285	O-RING	1
10	7787500	HEX LR ASSY 7/8"-14	2
11	7709633	EXPANDER BODY 3 1/8"	1
12	20026547 20026520	EXPANDER 22 CAL EXPANDER 30 CAL	1
13	7709615	LOCK RING 9/16"	1



We think we make the world's best reloading equipment.

If you agree, please tell your friends.

If you disagree, tell us—we want to do something about it!

## **Customer Service**

1-800-379-1732 (U.S. or Canada)

Hours: Monday - Friday, 5:00 a.m. – 5:00 p.m. Pacific Time (hours may vary)

E-mail rcbs.tech@vistaoutdoor.com, or visit www.rcbs.com

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