Frankford Arsenal™
Reloading Tools

Quick-N-EZ™

Vibratory Case Tumbler, International Case Tumbler & Rotary Separator

Assembly & Usage Instructions

Vibratory Case Tumbler Assembly & Usage Instructions

Unpack your tumbler onto a level work surface. You will see a bowl, a base, a lid and a hardware pack. You will need a Phillips screwdriver and a 7/16" wrench (or adjustable wrench) to complete the assembly of your new Quick and Easy Tumbler.

Step 1: Please take a moment to locate all of the parts shown in this photo.

Tumbler Bowl
#193-105

Tumbler Base
#374-598

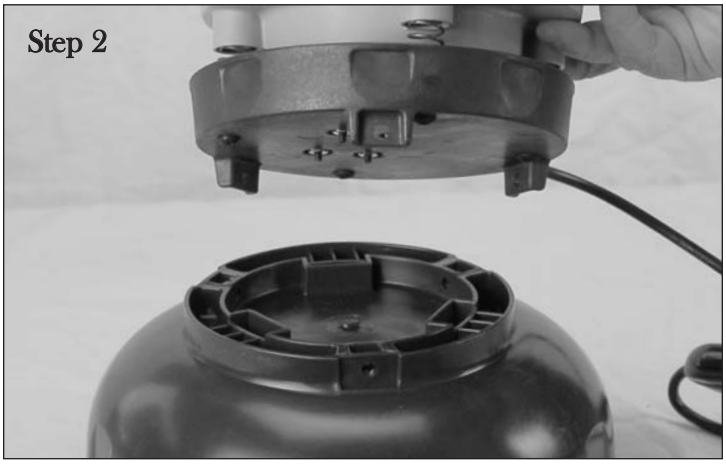
Clear Lid
#208-732

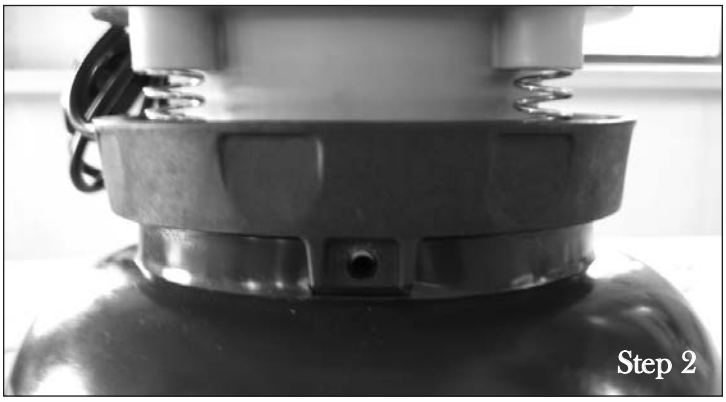
Hardware Pack
#687-542

(1) 5" Threaded Shaft
(1) Flat Washer
(1) Wing Nut
(3) 1/4-20 Phillips Screws
(3) Star Washers
(3) Square Nuts

Step 2: Mounting the bowl

Turn the bowl upside down and place one square nut into each of the cavities that has a hole passing through it. Place tumbler base assembly upside down on bowl. Locate the three protruding features on the black plate around the nut cavities of the bowl, press bowl into place.





Step 3: Securing the bowl

Insert a star washer onto each of the three 1/4-20 Phillips screws. Thread one washer screw assembly through each nut location, as shown. Tighten to no more than 10 inch pounds of torque or 1/4 to 1/2 turn after screw bottoms out.

Step 4: Prepping the bowl

Turn the entire assembly over. Thread a 1/4-20 square nut onto the 5" threaded shaft approximately 3/4" on the length of the shaft. Thread the end of the threaded shaft into the brass insert inside the bowl. Tighten the threaded shaft down until it bottoms out in the bushing, and then turn the square nut until finger tight against the bowl. With an adjustable end wrench or 7/16" wrench turn the nut another 1/8 turn. DO NOT OVER TIGHTEN!

Step 5: Securing the lid

Put the lid on top of the threaded shaft assembly. Install the flat washer and wing nut as shown here.

Step 6: Using the Quick-N-EZ Case Tumbler

You'll be delighted with the years of trouble-free service your new tumbler will provide. Please take time to read and understand the safety and operating instructions.

Important Safeguards

The Frankford Arsenal vibratory tumbler is designed for use with dry media such as ground corn cob or walnut hulls, either plain or treated with brass polish; do not attempt to use the tumbler with any kind of liquid media or for lapidary applications.

THE USE OF LIQUID MEDIA OR ATTEMPTING TO ALTER OR MODIFY THE TUMBLER WILL VOID YOUR TUMBLER'S WARRANTY.

IMPORTANT SAFETY INSTRUCTIONS – SAVE THESE INSTRUCTIONS

WARNING – When using this electrical appliance, basic precautions should always be followed including the following:

1. Read all instructions before using this appliance.
2. To reduce the risk of injury, close supervision is necessary when this appliance is used near children.
3. Do not contact moving parts.
4. Only use attachments recommended or sold by Frankford Arsenal.
5. Do not use outdoors.
6. To disconnect, turn all controls to the off ("O") position, then remove the plug.
7. Do not unplug by pulling on the cord. To unplug, grasp the plug, not the cord.
8. Do not operate this appliance with a damaged cord or plug, or if the unit malfunctions or is dropped or damaged in any manner. Return the unit for examination, repair, or electrical or mechanical adjustment.
9. To reduce the risk of electrical shock, do not put this appliance in water or other liquid.
10. Do not place or store this appliance where it can fall or be pulled into a tub or sink.
11. Remove plug from wall outlet when this appliance is not in use.
12. Never operate this appliance unattended.
13. Operate this appliance on a non-combustible surface away from all combustible materials including curtains, draperies, or walls.

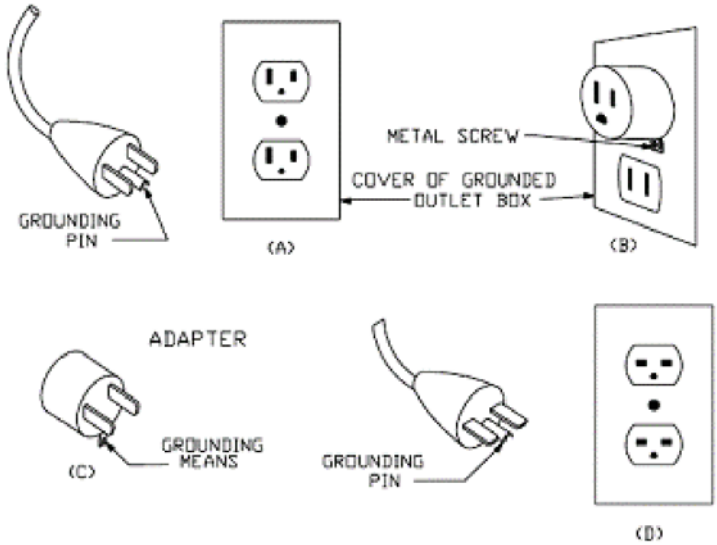
For grounded appliance – Connect to a properly grounded outlet only. See Grounding Instructions.

This appliance must be grounded. In the event of malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

DANGER - Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal. Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This appliance is for use on a nominal 120 V circuit, and has a grounding plug that looks like the plug illustrated in sketch "A". A temporary adapter, which looks like the adapter in sketches "B" and "C", may be used to connect this plug to a 2-pole receptacle as shown in sketch "B" if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green colored rigid ear, lug, and the like, extending from the adapter must be connected to a permanent ground such as properly grounded outlet cover box. Whenever the adapter is used, it must be held in place by the metal screw.

Grounding Sketch



Instructions for Use:

1. Fill the cleaning bowl about 2/3 full of cleaning or polishing media. Set the tumbler on a flat concrete surface and plug it in. Add any amount of brass you desire, up to maximum capacity. Capacity will vary with the size of the cases being cleaned. In general, once the cleaning media is in the tumbler, you can continue to add brass to your media until you see the tumbling action of the brass become sluggish. Obviously, with less tumbling action, you will get less cleaning action. If you put too much brass in and the action slows down, simply remove some of the brass.
2. Tumble your brass until it is clean. If you are merely cleaning your brass, 30 minutes to an hour will normally remove all dirt and grease. If you want to polish the tarnish or powder stain from brass, you will need to use treated media or add ammonia-free brass polish to untreated media and then tumble for several hours. Just check the brass periodically for progress.

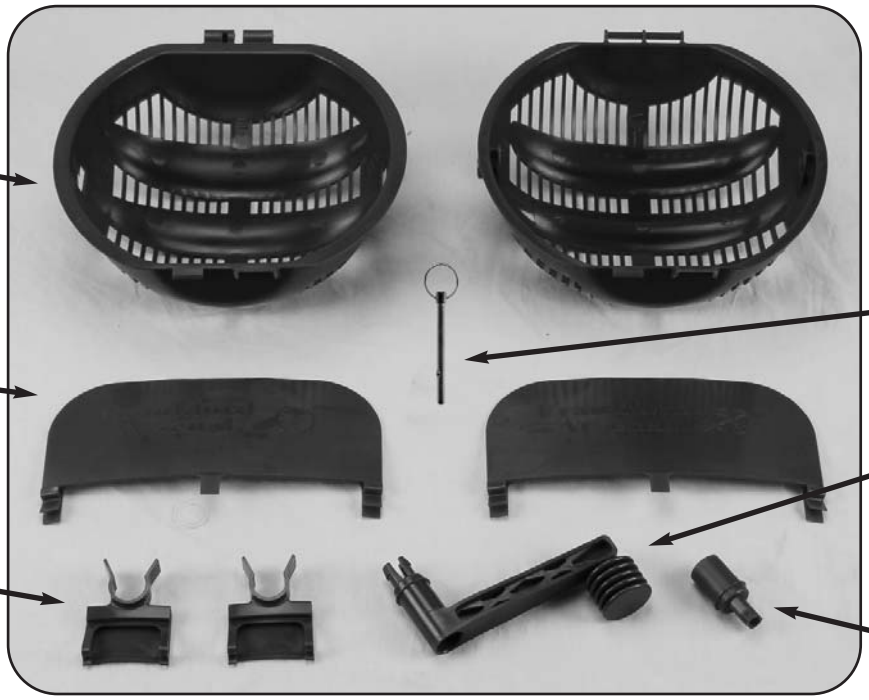
Tumbling Tips:

1. Clean your brass before polishing with "untreated" ground walnut shells. This simply removes the dirt, grit, or bullet lube from the cases so they can be inspected. This will insure that any dirt and grit left on the case won't get into your sizing die and wear it out prematurely.
2. Resize and de-prime your brass before polishing.
3. The media you use to clean and polish your cases will not wear out, but it will become "loaded up" with bullet lube, polish, powder residue, and dirt. When it does, you can simply throw it out, or it can be recharged with brass polish.
4. If you reload for a variety of different guns, you may need to obtain a few extra buckets in which to keep your different cleaning and polishing medias while they are not in use. Dirtier loads will need to be cleaned with fresher media than cleanburning loads. Shooting conditions can also dirty your brass more than normal. We recommend keeping three buckets on hand to contain media in different stages of use: #1 for untreated "cleaning media;" #2 for new, barely used treated "polishing" media; and #3 for well-used, "loaded-up" media.
5. If you use your tumbler to Moly-coat bullets, we recommend using a separate bowl from the one you use to tumble brass.

Rotary Separator Assembly & Usage Instructions

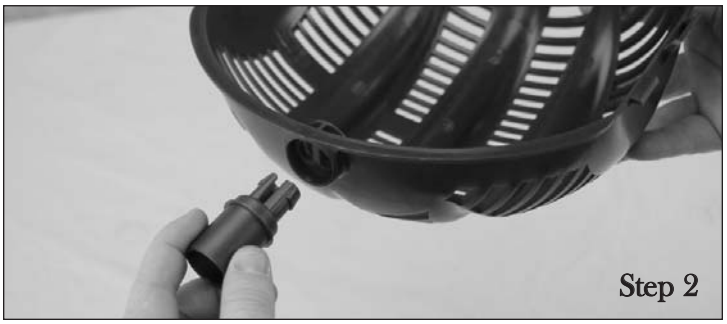
Thank you for purchasing a Frankford Arsenal Quick and Easy Rotary Media Separator. These simple assembly instructions will have you up and tumbling cases in no time.

Step 1: Please take a moment to locate all of the parts shown in this photo.



Step 2: Assembling the Bottom Sifter Half

The bottom half of the sifter is the half with the round holes for the handle and rotational collar. **Note that left-handed users should insert the handle on the opposite side shown in this photo.**



Holding the bottom of the sifter as shown above, insert the rotating collar insert and the handle as shown. The parts fit tightly; continue pushing until collar is firmly seated.

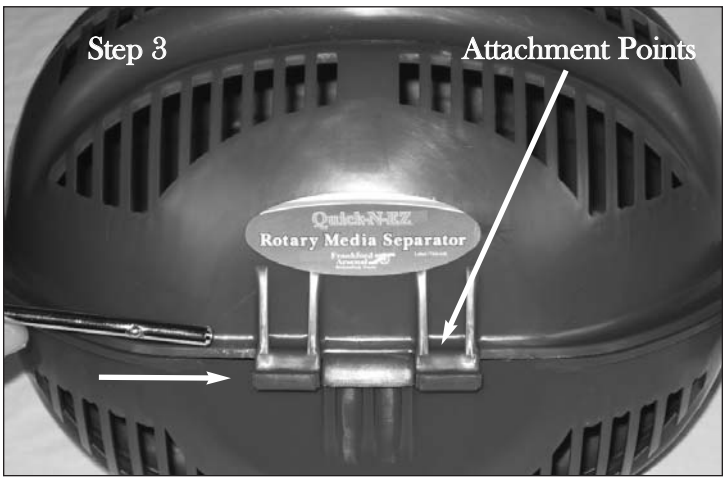
Insert the handle into the bottom half of the sifter as shown below.

The parts are tight snap fits into the sifter half bottom. Some force will be required. Continue pushing until the handle is fully seated.

Step 3: Attaching the Top Sifter Half

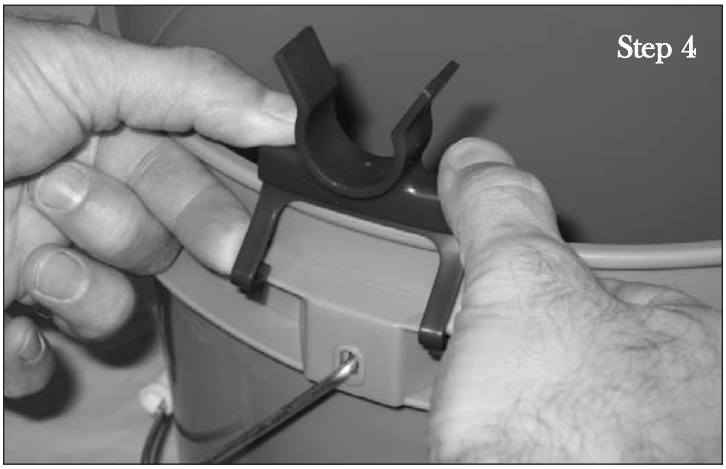
Snap the top half of the sifter body to the bottom half of the sifter body as shown here.

Next insert the engagement latch pin through the attachment points as shown. This pin guarantees that the sifter will not open during operation.



Next step is to attach the two bucket adapters to the rim of the bucket.

The bucket adaptors are designed to fit anywhere along the top perimeter of the bucket, however, if your bucket has handle bosses as shown here it is a good idea to attached the clamps so that they bridge the handle attachment boss.



Step 5: Start Cleaning Brass

Remove the pin from the rotary media separator.

Set the separator in the bucket collars.

Open the separator and pour your mixed media and cases into the sifter. Pour slowly and carefully to avoid spilling media.

Now close the sifter top and reinsert the pin through the retention clips.

The optional media shields may be installed in front of and behind the sifter as shown. This will further reduce the media spillage. The optional media shields must be removed before and after each tumbling.

Thank you for your purchase and happy reloading!

Deutsch: Siehe diese Fotos beim Lesen Ihrer spezifischen Sprachenanweisungen.

Le français: Se référer à ces photos en liant vos instructions de langue spécifiques.

Español: Refiérase a estas fotos al leer sus instrucciones específicas del idioma.

Schritt 1 Etape 1 Paso 1

Schüssel
Une cuve
Recipiente del tambor

Sockel
Une base
Base del tambor

Deckel (durchsichtig)
Un couvercle transparent
Tapa transparente

Kleinteile
Un sachet contenant les pièces nécessaires au montage
Paquete de piezas

Schritt 2 Etape 2 Paso 2

Schritt 2 Etape 2 Paso 2

Schritt 2 Etape 2 Paso 2

Schritt 3 Etape 3 Paso 3

Schritt 3 Etape 3 Paso 3

Schritt 4 Etape 4 Paso 4

Schritt 5 Etape 5 Paso 5

Schritt 5 Etape 5 Paso 5

Endprodukt Produit Fini Producto Terminado

Deutsche Versammlungsanweisungen

1. Schritt: Auspacken

Packungsinhalt:
1. Schüssel
2. Sockel
3. Deckel (durchsichtig)
4. Kleinteile

Es sind ein Kreuzschlitzschraubendreher und ein passender Schraubenschlüssel (7/16") bzw. ein verstellbarer Schraubenschlüssel zum Zusammenbau der Quick-N-EZ-Schüssel erforderlich.

2. Schritt: Zusammenbau der Schüssel

Die Schüssel umdrehen und je eine Vierkantmutter in die Aussparungen mit Loch stecken. Sockel umgekehrt auf die umgedrehte Schüssel setzen. Die Schüssel auf die drei herausstehenden Stifte an der Rückseite der Aussparungen setzen und einrasten lassen.

3. Schritt: Befestigen der Schüssel

Eine Sternunterlegscheibe auf jede der drei 1/4-20 - Kreuzschlitzschrauben setzen. Jetzt die Schrauben mit Unterlegscheiben jeweils durch die Muttern drehen, wie abgebildet. Auf ein Drehmoment von höchstens 10 Zoll pro Pfund anziehen oder eine Viertel- bis Halbumdrehung durchführen, nachdem Schraube herausgedrückt ist.

4. Schritt: Vorbereiten der Schüssel

Gesamte Konstruktion umdrehen. Eine 1/4-20-Vierkantmutter auf die 5"-Gewindewelle auf ungefähr 3/4 Zoll der Welle schrauben. Ein Ende der Gewindewelle in den Messingeinsatz in der Schüssel setzen. Gewindewelle nach unten hin anziehen, bis sie aus der Buchse herauskommt. Dann die Vierkant-mutter nur so weit anziehen, dass sie sich noch von Hand lösen lässt. Mit einem verstellbaren Schraubenschlüssel oder einem 7/16"-Schraubenschlüssel die Mutter um eine weitere Achtelumdrehung anziehen. NICHT ÜBERZIEHEN!

5. Schritt: Befestigen des Deckels

Den Deckel auf die Gewindewelle setzen. Die flache Unterlegscheibe und Flügelmutter wie abgebildet aufschrauben.

Sicherheitsmaßnahmen:

1. Lesen Sie alle Anweisungen.
2. Bedienen Sie tumbler auf konkreter Oberfläche weg von brennbarem Material (Vorhänge, Wände, usw.).
3. Bedienen Sie nie tumbler unbemannt.
4. Tauchen Sie Schnur, Stöpsel, oder Einheit in Wasser oder anderer Flüssigkeit nicht ein.
5. Beaufsichtigen Sie nah nahegelegene Kinder.
6. Bedienen Sie tumbler mit beschädigter Schnur oder den.

Stöpsel nicht, oder wenn Einheit versagt. Wenn beschädigt, kehren Sie Einheit zurück.
7. Benutzen Sie tumbler nur mit Zubehörteilen und Befestigungen, die von Frankford Arsenal empfohlen werden.
8. Benutzen Sie draußen nicht.

Anweisungen zum Gebrauch:

1. Resize und de wichtigstes Messing vor Polieren.
2. Füllen Sie Reinigen keget 2/3 voll von Trockenreinigung oder Polierenmedien.
3. Fest tumbler auf flacher konkreter Oberfläche und stöpselt es in zu.
4. Fügen Sie Messing hinzu (Kapazität wird sich auf der Größe vom Fall ändern).
5. Purzeln Sie Messing, bis reinigt. (Reinigend: 30-60 Mindest; Polierend: mehrere Stunden)
6. Wenn Sie Molemantelkugeln, benutzen Sie eine getrennte Schüssel vom einem hatte gepurzelt Messing.

Zubehörteile (fragen Ihren Händler für Details):

Zusätzliche Schüssel und Deckel, Messing & Medien Drehseparator, Messing & Medien normaler Separator, 3-1/2 galloneneimer, Maiscobmessing, die Medien reinigen, reinigend Walnussmessing Medien und Messingpolitur.

WICHTIG!

Der Frankford Arsenal Schnell-N-EZ Vibratory Fall Tumbler 220V ist für Gebrauch mit Ebene oder hat trockene Medien nur behandelt. Der Gebrauch flüssiger Medien oder versuchend zu verändern oder den tumbler zu modifizieren, wird die Garantie aufheben.

Instructions Françaises

Étape 1 : Contenu de la boîte

Cette boîte comprend :
1. Une cuve
2. Une base
3. Un couvercle transparent
4. Un sachet contenant les pièces nécessaires au montage

Vous aurez besoin d'un tournevis cruciforme et d'une clef de 11 mm (ou d'une clef à molette) pour effectuer le montage de votre nouvel appareil de nettoyage Quick-N-EZ.

Étape 2 : Montage de la cuve

Mettez la cuve à l'envers et placez un écrou carré dans chacun des emplacements percés d'un trou. Mettez la base à l'envers et placez-la sur la cuve. Sur la partie noire, repérez les trois languettes, alignez-les avec les emplacements contenant les écrous de la cuve pour assembler les deux éléments.

Étape 3 : Fixation de la cuve

Placez une rondelle étoile sur chacune des trois vis Phillips 1/4-20. Placez ensuite ces vis dans chaque emplacement contenant un écrou, comme indiqué sur la photo. Serrez chaque vis en faisant 1/4 ou 1/2 tour maximum, une fois que l'extrémité de la vis est visible.

Étape 4 : Préparation de la cuve

Mettez l'appareil à l'endroit. Vissez un écrou carré 1/4-20 sur 2 cm de la tige filetée de 13 cm. Placez l'extrémité de la tige filetée dans l'insert en laiton à l'intérieur de la cuve. Vissez-la jusqu'au fond de l'insert, puis vissez l'écrou carré à la main jusqu'à ce qu'il touche la cuve. Serrez l'écrou d'1/8 de tour à l'aide d'une clef à molette ou d'une clef de 11 mm. NE LE SERREZ PAS TROP FORT !

Étape 5 : Fixation du couvercle

Placez le couvercle sur la tige filetée. Placez la rondelle plate et l'écrou à ailettes comme indiqué sur la photo.

Précautions de sûreté:

1. Lire toutes instructions.
2. Fonctionner le verre sur la surface concrète loin du matériel combustible (les rideaux, les murs, etc.).
3. Ne jamais fonctionner le verre indépendant.
4. Ne pas immerger la corde, le bouchon, ou l'unité dans l'eau ou l'autre liquide.
5. De près surveiller des enfants proches.
6. Ne pas fonctionner le verre avec la corde ou le bouchon endommagée ou si l'unité mal fonctionne. Si endommagé, retourner l'unité.
7. Utiliser le verre seulement avec les accessoires et les attachements recommandé par l'Arsenal de Frankford.
8. Ne pas utiliser dehors.

Les instructions pour l'Usage:

1. Redimensionner et le cuivre de-primordial avant de polir.
2. Remplir le nettoyage joue aux boules 2/3 plein de nettoyage sec ou polir la presse.
3. Régler le verre sur la surface concrète plate et brancher il sur.
4. Ajouter le cuivre (la capacité variera sur la taille du cas).
5. Tomber le cuivre jusqu'à ce que nettoie. (Nettoyant : 30-60 minimum ; Polissant : plusieurs heures)
6. Si vous la balles de Taupee-Manteau, utilisez un bol séparé de l'un a utilisé pour tomber le cuivre.

Les accessoires (demande votre négociant pour les détails):

Le bol et le couvercle supplémentaires, le cuivre & la presse séparateur rotative, le cuivre & la presse séparateur standard, le seau de gallon de 3-1/2, la presse de nettoyage de cuivre d'épi de maïs de maïs, le cuivre de noyer nettoyant le cirage de presse et cuivre.

Les instructions pour l'Usage:

L'Arsenal de Frankford le Verre de Cas Vibratoire EZ Rapide N de de 220V est pour l'usage avec la plaine ou la presse sèche traitée seulement. L'usage de presse liquide ou tentant de changer ou modifier le verre annulera la garantie.

Instrucciones Españolas

Paso 1: Abra el paquete

Contenido del paquete
1. Recipiente del tambor
2. Base del tambor
3. Tapa transparente
4. Paquete de piezas

Para montar el tambor de limpieza Quick-N-EZ, necesitará un destornillador de estrella y una llave inglesa ajustable o de 7/16".

Paso 2: Montaje del recipiente

Coloque el recipiente boca abajo e inserte una tuerca cuadrada en cada una de las cavidades que tengan un orificio. Coloque la base del tambor boca abajo sobre el recipiente. Encaje los tres extremos sobresalientes de la placa negra de la base en las cavidades perforadas del recipiente.

Paso 3: Ajuste del recipiente

Coloque una arandela en cada uno de los tres tornillos de estrella de 1/4-20 e introduzca ambas piezas en cada orificio para tuercas, como se muestra en la imagen. Ajuste el tornillo hasta un máximo de 10 pulgadas libra de torsión o de 1/4 a 1/2 de vuelta de tuerca una vez el tornillo sobresalga por la parte inferior.

Paso 4: Preparación del recipiente

Sitúe el producto boca arriba. Enrosque una tuerca cuadrada de 1/4-20 en el eje roscado de 5" a unos 3/4" de la longitud del eje. Enrosque el extremo del eje roscado en el acople de latón del interior del recipiente. Ajuste el eje roscado hasta que sobresalga por el cojinete y, a continuación, enrosque firmemente con la mano la tuerca cuadrada en el recipiente. Con una llave inglesa ajustable o de 7/16", gire la tuerca otro 1/8 de vuelta. NO AJUSTE EN EXCESO LA TUERCA

Paso 5: Ajuste de la tapa

Sitúe la tapa sobre el eje roscado y coloque la arandela plana y la tuerca de mariposa como se muestran en la ilustración.

Las Precauciones de la seguridad:

1. Lea todas instrucciones.
2. Opere el vaso en la superficie concreta lejos de materia combustible (cortinas, las paredes, etc.).
3. Nunca opere el vaso desatendido.
4. No sumerja cuerda, el tapón, ni la unidad en el agua ni otro líquido.
5. Supervise de cerca a niños cercanos.
6. No opere el vaso con cuerda ni tapón dañados ni si la unidad falla. Si dañado, vuelve la unidad.
7. Utilice el vaso sólo con accesorios y fijaciones recomendados por Arsenal de Frankford.
8. No utilice fuera.

Las instrucciones para el Uso:

1. Recalibre y latón de-principal antes de dar brillo.
2. Llene limpiar lanza 2/3 repleto de la limpieza en seco o medios pulidores.
3. El vaso fijo en la superficie concreta plana y lo conecta.
4. Agregue latón (la capacidad variará en el tamaño del caso).
5. Derribe latón hasta que limpie. (Limpiando: 30-60 mínimo; Dando brillo: varias horas)
6. Si usted balas de Lunar-Abrigo, utilizan un tazón separado del uno utilizó para derribar latón.

Los accesorios (pregunta su comerciante para detalles):

El tazón y la tapa extra, el latón & medios separador rotatorio, el latón & medios separador uniforme, cubo de galón de 3-1/2, latón de mazorca de maíz que limpia medios, latón de nogal que limpia medios y el latón da brillo.

¡IMPORTANTE!

El Arsenal de Frankford el Vaso 220V Vibratorio de N de EZ Rápida del Caso es para el uso con la llanura o medios secos tratados sólo. El uso de medios líquidos o procurando alterar o modificar el vaso hace vacío la garantía.

Limited Warranty

Every Frankford Arsenal product is warrantied to be free of defects in materials and workmanship for a period of one (1) year from the date of original purchase. Frankford Arsenal will, at its option, repair or replace without charge, except for transportation costs, parts that fail under normal use and service when operated and maintained in accordance with our Instructions. This warranty does not apply to normal wear or to items whose life is dependent upon their use and care. This warranty is in lieu of all other warranties, expressed or implied and releases Frankford Arsenal, its affiliates, and its vendors from all other obligations and liabilities.

A Battenfeld Technologies, Inc. Product
5885 West Van Horn Tavern Road
Columbia, MO 65203
www.frankfordarsenal.com

Declaration of Conformity

(according to ISO/IEC Guide 22 and EN 45014)

Manufacturer's Name: Battenfeld Technologies Inc.

Manufacturer's Address: 5885 West Van Horn Tavern
Columbia, MO 65203 USA
Tel: 001- (573)-445-9200
FAX: 001- (573)-446-6606

declares, that the product:

Product Name: Frankford Arsenal Case Tumbler

Model: Quick-N-EZ

to which this declaration relates, **meets the essential health and safety requirements** and is in conformity with the relevant EU Directives listed below:

EU EMC Directive 89/336/EEC
EU Low Voltage Directive 72/23/EEC

using the relevant section of the following EU standards and other normative documents:

EMC: EN 55014-1: 2000 + A1:2001 + A2:2002

Safety: EN 60335-1: 2002

02-14-2007

(Place and date of issue)

Yan-Jiang Zhou
Product Engineer