



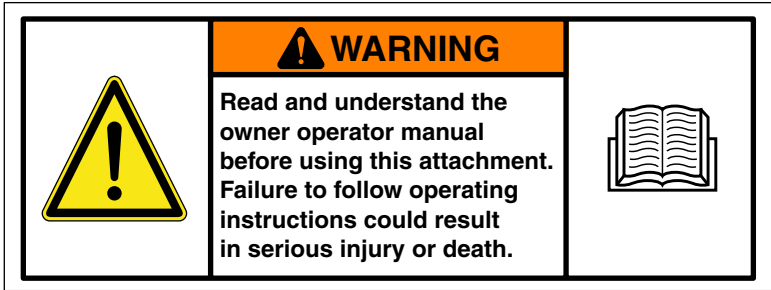
Owner / Operator Manual



Important Notice

Each Beak attachment has been pressure tested for quality. Therefore, the cylinder and hoses are filled with SAE 5W20 Hydraulic Oil (ISO 68).

Be careful when attaching any fittings to the hoses or attaching the hoses to the skid-steer loader. An MSDS sheet for the hydraulic oil is available upon request to Daniel Mfg. Inc. 309-963-4227.



NOTE: Daniel Mfg. Inc. reserves the right to make technical changes for product improvement. This manual may contain illustrations and photographs, for demonstration purposes, which slightly deviate from the actual product design.

Serial Number _____

Purchase Date _____

Dealer Information

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Introduction



Read and understand all safety, attachment, and operating instructions in this and other appropriate manuals before using a skid-steer loader with The Beak attachment. Failure to follow ALL appropriate safety rules and precautions can result in equipment damage, personal injury, or even death.

This skid-steer attachment, The Beak, is quickly becoming a necessity among today's contractors. We at Daniel Mfg. Inc. have designed this innovative material handling attachment to fit most sizes and major brands of skid-steer loaders including Bobcat, Caterpillar, Case, John Deere, and Gehl.

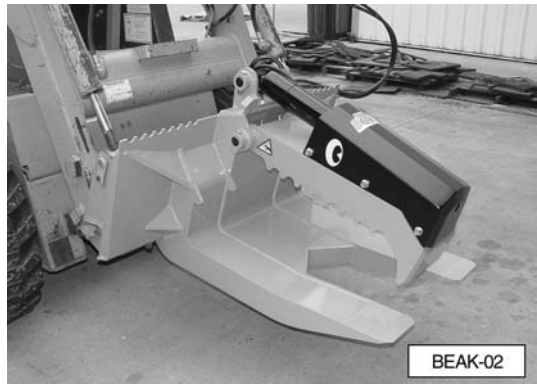
In a few words, The Beak can best be described as versatile and efficient. It is built with quality materials using the finest craftsmanship we have to offer.

It's built for strength; to be used every day for a multitude of tasks.


The Beak hooks into the skid-steer's auxiliary hydraulic circuit using quick-disconnect fittings. This attachment does not require a "Hi Flo" hydraulic system.

The Beak can be used for concrete removal, building and debris removal, rock and tree handling, material handling, moving barrels and steel drums, pipes, logs, tires, wood pallets, and even cars.

Just a few of the applications where The Beak attachment is used are in home construction/remodeling, road construction, demolition, landscaping, and recycling or waste management.



Safety Alert Symbol

The safety alert symbol  is used to identify safety information about hazards that can result in personal injury.

A signal word (WARNING or CAUTION) is used with the alert symbol to indicate the likelihood and the potential severity of injury. In addition, a hazard symbol may be used to represent the type of hazard.



WARNING indicates a hazard which, if not avoided, **could result in serious injury or death.**



CAUTION indicates a hazard which, if not avoided, **might result in minor or moderate injury.**

IMPORTANT NOTICE indicates a situation that **could result in damage to the product.**

Safety Alert Pictorials and Meanings

The following alert symbols appear on The Beak attachment or in this manual.



Safety Alert Symbol



Read Owner / Operator Manual



Eye and Ear Protection



Hand Protection



Protective Shoes



Slipping Hazard



Tripping Hazard



Good Ventilation



Foot Crushing Hazard



Zero Pressure



Fire Hazard



Wear Seat Belt



Fall Hazard



Pinch Point

Safety

General Warning Information

WARNING



The safety rules in this and other appropriate manuals must be followed when using a skid-steer loader with The Beak attachment. Failure to follow ALL appropriate safety rules and precautions can result in equipment damage, personal injury, or even death.

DO NOT attempt to attach, operate, or maintain The Beak attachment without fully understanding all the required instructions and safety precautions. DO NOT operate a skid-steer loader unless you read and understand the instructions and warnings in all appropriate manuals. If any doubt or question arises about the correct or safe methods of performing the tasks found in this or the skid-steer loader manuals, contact a representative from Daniel Mfg. Inc. and/or the manufacturer of the skid-steer loader.

Proper care is your responsibility. Owners are required to properly protect operators from hazards while operating and maintaining this attachment. Operators are required to read and follow safety and operating instructions.



Accidents can normally be avoided by being alert and recognizing potentially hazardous situations. Individuals performing product installation, operation, maintenance, or repair procedures should have the required training, skills, and tools to perform these functions properly and safely. Safety information provided in this manual is a basic guide in an attempt to prevent injury or death.

Daniel Mfg. Inc. cannot anticipate all possible circumstances that might involve a potential hazard. The warnings in this manual and on the product are therefore NOT all-inclusive. If procedures, methods, or operating techniques that are not specifically mentioned by Daniel Mfg. Inc. for The Beak attachment are used, you must satisfy yourself that they are safe. Make sure the product or machine will not be damaged or made unsafe by any installation, operation, maintenance, or repair procedures you choose.

DO NOT proceed to use the attachment if you have any doubt about the correct or safe methods of performing anything within this manual. Seek out expert assistance from a qualified person before continuing.

Personal Protection



To prevent personal injury make sure personal protective equipment is available and worn in designated areas during hook up, operation, maintenance, and/or repair operations. Personal protective equipment should include, but not be limited to, protective gloves, safety glasses or goggles, hearing protection, and protective shoes.



To prevent injury, make sure all appropriate decals are attached to The Beak attachment and that all decals are legible at all times.



To prevent serious injury, keep hands, fingers, and other body parts away from pinch points.

Worksite Safety



To avoid tripping, do not leave tools, other components, or debris lying around the work area.



Personal injury can result from slips. Clean up all spilled fluids immediately.



DO NOT use this attachment in an enclosed area. Exhaust fumes from the skid-steer loader contain carbon monoxide and can be deadly when inhaled. Make sure the work area is well ventilated.



DO NOT allow bystanders in the work area.

Attaching/Removing The Beak



Always make sure the attachment locking devices are in place, even if only switching attachments for a few minutes.



The attachment, if not locked into place, can break free and fall on the operator or a bystander.



Personal injury can result from removing quick-disconnect fittings or hoses in a pressure system. Before disconnecting or removing hoses make sure all pressure in the system has been relieved (zero pressure). DO NOT allow any hot oil or components to contact the skin, which can cause serious burn injuries.



Hydraulic fluid leaked or spilled onto hot surfaces or electrical components can cause a fire. Clean up all leaked or spilled fluid immediately. Sparks or open flames can cause hydraulic fluid to ignite. DO NOT smoke while working on or near any hydraulic fluid. Personal injury or death can result from a fire.

Safety

Operator Safety



Always use the seat belt and/or restraint bar while operating the skid-steer loader with The Beak attachment.



Only properly trained and instructed personnel should operate a skid-steer loader with The Beak attachment. Regularly check to make sure operators are using this equipment according to appropriate safety regulations.



DO NOT enter, exit, work under, or stand under The Beak attachment in a raised position. Only enter the operator compartment with The Beak attachment flat on the ground.



Keep the step area on the attachment clear of dirt, mud, snow, ice, and other debris.



DO NOT operate while using medication, drugs, or alcohol.



Before leaving the operator compartment:

- 1) Lower The Beak attachment flat to the ground and close the jaw.
- 2) Set the parking brake.
- 3) Turn the engine OFF.
- 4) Remove the key.

Operation



Do not use The Beak attachment as a work platform or personnel carrier.



Do not exceed the recommended load capacity.



Do not pick up items that will cause an unsafe load distribution.



Do not lift, swing, or move a load over anyone.



Do not dump over posts or other objects that can enter the cab, if tipped.



Load, unload, and turn on level ground, when possible.



Use caution when handling loose material that can fall into the cab.



Keep The Beak attachment lowered to the lowest possible position.

Maintenance Safety



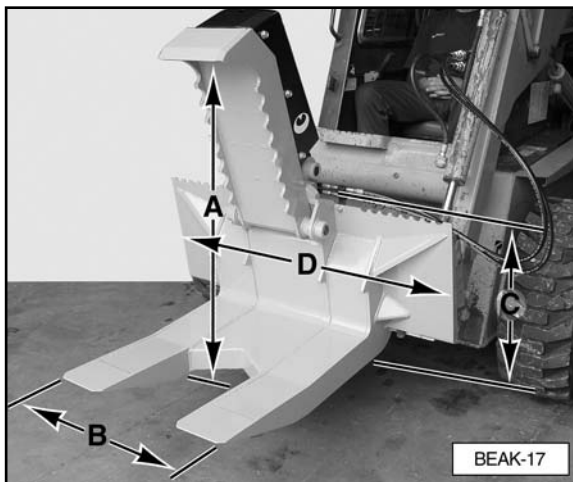
DO NOT alter The Beak attachment. Altering or using The Beak attachment in a way which circumvents its design capabilities and capacities, could result in property damage, serious injury, or death and WILL VOID THE WARRANTY.



Do not operate the attachment without the shield over the cylinder.

Specifications

Material	high-strength, steel plate
Weight	520 pounds
Shipping Weight (approximately)	600 pounds
Load capacity	dependent on skid-steer loader
Maximum pressure for hoses and cylinder	4000 psi
Jaw opening distance (A)	38 inches
Overall fork width (B)	26 inches
Overall height (C)	28 inches
Overall width (D)	46 inches

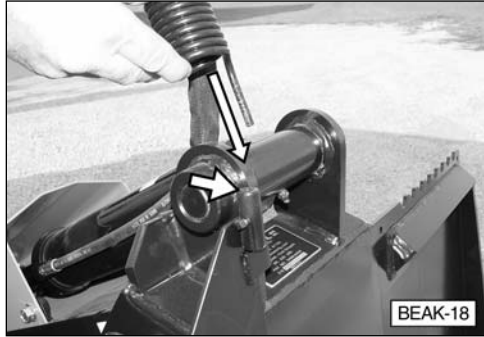


Attaching The Beak

The Beak is designed to fit skid-steer loaders with a universal attachment mounting system. Switching from a skid-steer bucket to The Beak is accomplished in just a few easy steps.

Note: The first time The Beak is attached to a skid-steer loader, follow Steps 1 and 2 to install the hose spring assembly.

1. Unpack the hose, hose spring assembly, and uncoil the hose sleeve. Loosen the square head set screw on the tube bracket and insert the short leg of the hose spring into the tube bracket with the spring oriented toward the front of the attachment.



Note: The hose block must face forward.

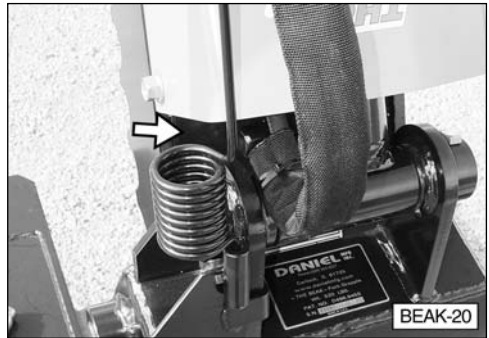


2. Securely tighten the square head set screw to lock the hose spring in position.



Note: The hose spring must be positioned so there is clearance between it and the cylinder shield when The Beak is fully opened.

(Viewed from operators seat.)



3. Always follow the skid-steer manufacturer's recommended procedure for changing attachments.

Detach the bucket or other implement.



4. After removing the existing attachment, slowly drive up to The Beak and engage the upper tabs under the attachment flange on The Beak. Follow the skid-steer manufacturer's procedure for locking The Beak to the skid-steer.



5. Connect the quick-disconnect fitting on the hydraulic hoses from The Beak to the skid-steer hydraulic system.



You're now ready to go to work.



Read and follow all the safety rules and recommendations while operating The Beak.

1. Use the built-in step to enter the skid-steer loader.



Note: It is not recommended to enter or exit the skid-steer loader from the right side of the machine (facing the cab) if the hydraulic hoses are routed on that side.



2. To operate The Beak, use the normal skid-steer controls for raising, lowering, tilting forward, and tilting back. To open and close the jaw of The Beak use the auxiliary control.
3. Before leaving the operator compartment:
 - a. Lower The Beak attachment flat to the ground and close the jaw.
 - b. Set the parking brake.
 - c. Turn the engine OFF.
 - d. Remove the key.
 - e. Exit the machine using the step on The Beak.

Basic Concrete Removal Technique

1. Push the forks into the ground beside the concrete slab.



2. Raise the concrete slab.



3. Pick up the slab or break it into smaller, more manageable pieces.



4. Stack the concrete pieces and load them into a truck.



Before using The Beak attachment inspect it for damage. Make sure all nuts, bolts, screws, fasteners, etc. are securely tightened. Make sure hoses and fittings are in good condition and do not leak. Inspect the hydraulic cylinder for leaks or damage.

Keep the hoses clear of dirt and debris. Clean the area around the quick-disconnect fittings before they are disconnected or connected.

Correct any problems immediately. If replacement parts are needed, use only OEM replacement parts.

Never operate the skid-steer loader or The Beak attachment if they need repairs.

WARNING

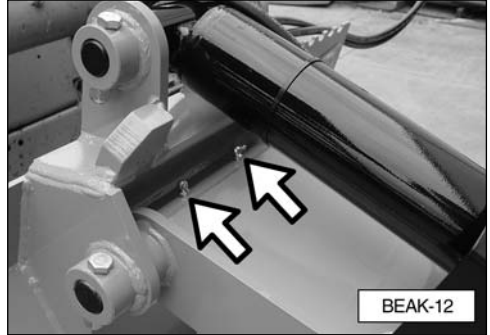


Check hydraulic hoses carefully. DO NOT use your bare hand to check for potential leaks. Always use a board or cardboard when checking for a leak. Escaping hydraulic fluid under pressure, even a pinhole size leak, can penetrate body tissue, causing serious injury, and possible death. If fluid is injected into your skin, it must be treated immediately by a doctor familiar with this type of injury.

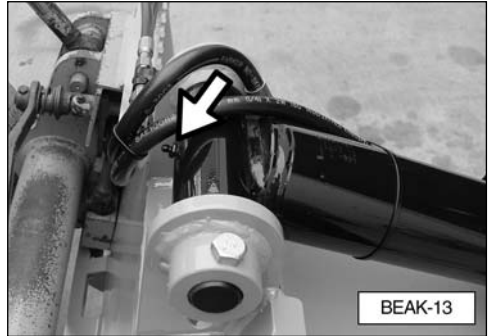
Maintenance

Lubricate the four grease fittings with a high-grade lubricating grease every eight hours of operation.

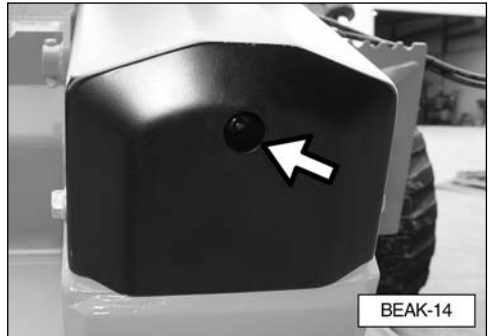
Lubricate two grease zerks on top of the jaw assembly.



Lubricate one grease zerk on the top end of the cylinder.



Lubricate one grease zerk on the rod end of the cylinder.



Limited Warranty

Daniel Mfg. Inc. warrants The Beak attachment at the time of delivery to the original purchaser, to be free from defects in material and workmanship when properly set up and operated in accordance with the recommendations set forth by Daniel Mfg. Inc.

Daniel Mfg. Inc.'s liability for any defect with respect to The Beak shall be limited to repairing The Beak at a Daniel Mfg. Inc. designated location or at an authorized dealer location, or replacing it as Daniel Mfg. Inc. shall elect. The above shall be in accordance with the Daniel Mfg. Inc. warranty adjustment policies. Daniel Mfg. Inc.'s obligation shall terminate one (1) year after the delivery of The Beak to the original purchaser. This warranty shall not apply to hydraulic hoses, hose sleeve, and hydraulic fittings. This warranty shall not apply to any machine or attachment which shall have been repaired or altered outside the Daniel Mfg. Inc. factory or authorized Daniel Mfg. Inc. dealership or in any way so as in Daniel Mfg. Inc.'s judgment, to affect its stability or reliability, nor which has been subject to misuse, negligence, or accident beyond the recommended rated capacity.

Warranty Claim

To submit a warranty claim, a return authorization from Daniel Mfg. Inc. must be obtained. The failed part/attachment may then be returned in an untampered status. This warranty does not include freight or delivery charges incurred when returning the part/attachment for servicing. Dealer mileage, service calls, and pickup/delivery charges are the customers' responsibility.

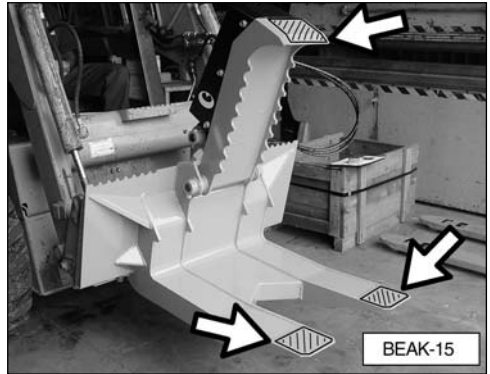
Exclusions of Warranty

Except as otherwise expressly stated herein, Daniel Mfg. Inc. makes no representation or warranty of any kind, expressed or implied, **and makes no warranty of merchantability in respect to its attachment is fit for any particular purpose.** Daniel Mfg. Inc. shall not be liable for incidental or consequential damages for any breach or warranty, including but not limited to inconvenience, rental or replacement equipment, loss of profits, or other commercial loss. Upon purchase, the buyer assumes all liability for all personal injury and property resulting from the handling, possession, or use of the goods by the buyer.

No agent, employee, or representative of Daniel Mfg. Inc. has any authority to bind Daniel Mfg. Inc. to any affirmation, representation, or warranty concerning its attachments except as specifically set forth herein.

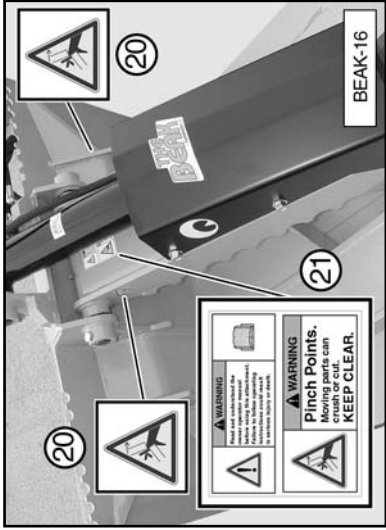
Parts

The Beak is designed with hardened steel tips at the end of each fork and on the tip of the jaw. Through normal use these tips can wear out. They can be replaced by cutting out the worn tips and welding in new replacement tips. This procedure should only be done by qualified personnel. Order replacement fork tip kit and/or replacement jaw tip kit for the parts needed for this procedure.



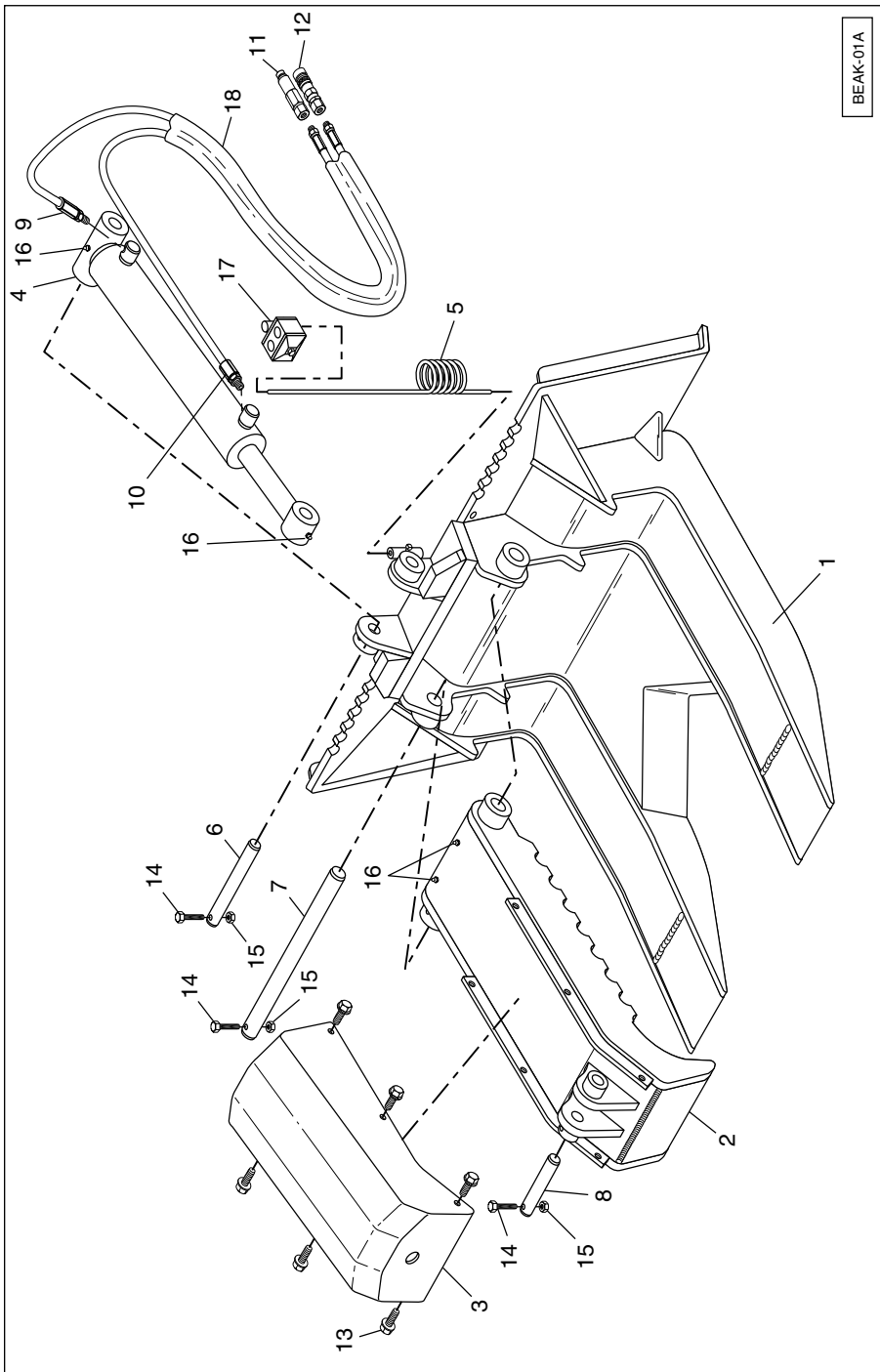
If the hydraulic cylinder is leaking, a TB705 Cylinder Packing Kit is available. If the cylinder is damaged, it must be replaced with a TB2325CYL.

Item	Part No.	Description	Qty
1	TB200	Shoe Assembly	1
2	TB300	Jaw Assembly	1
3	TB600	Cylinder Shield	1
4	TB2325CYL	Cylinder	1
5	TB800	Hose spring	1
6	TB218	Pin (shoe to cylinder end)	1
7	TB219	Pin (jaw to shoe)	1
8	TB307	Pin (jaw to rod end)	1
9	TB701	Hose-short (cylinder head end)	1
10	TB702	Hose-long (cylinder rod end)	1
11	TB707	Quick-Disconnect Fitting (Male)	1
12	TB708	Quick-Disconnect Fitting (Female)	1
13	TB603	Flanged Bolt, 1/2-13 x 1	6
14	TB308	Bolt, 1/2-13 x 3	3
15	TB309	Locknut, 1/2-13	3
16	TB306	Grease Zerk, 1/8 NPT x 90	4
17	TB801	Hose Block	1
18	TB802	Nylon Hose Sleeve	1
		Replacement Kits	
—	TB250	Replacement fork tips (2 pcs)	1
—	TB350	Replacement jaw tip	1
—	TB705	Cylinder Packing Kit	1
—	TB900	Decal Kit (pinch point (2), warning, name, eye (2))	1



Placement of the TB900 Decal Kit.

BEAK-01A



THE BEAK™

U.S. Patent No.
D496,945S

by **DANIEL MFG.
INC.**

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