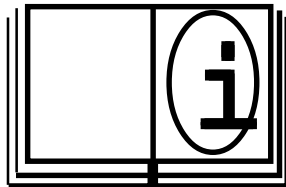




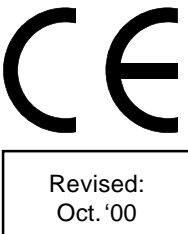
BOILER TUBE BEVELER
MODELS SB and MB



	PIPE & TUBE	CE
	END PREPPING MACHINES	
Model: SB and MB BEVELERS		
E.H. WACHS COMPANIES 100 Shepard St. Wheeling IL 60090		

Part Number: 70-MAN-02

Revision No: 71-MAN-02



“SB” AND “MB” BOILER TUBE BEVELERS

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“SB” and “MB” SMALL DIAMETER BEVELERS

SECTION I

SAFETY INSTRUCTIONS

The E. H. Wachs Company takes great pride in manufacturing safe, quality products with user safety a priority.

The E.H. Wachs Company recommends that all users comply with the following safety rules and instructions when operating our equipment.



Read the Following thoroughly before proceeding.



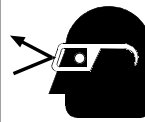
CAUTION

Keep clear of rotating parts during operation. Hands and arms should be kept a minimum of 2' away from moving parts except during starting and stopping.

1. **READ THE OPERATING MANUAL!!** Reading the setup and operating instructions prior to beginning the setup procedures can save valuable time and help prevent injury to operators or damage to machines.
2. **INSPECT MACHINE & ACCESSORIES!** Prior to machine setup physically inspect the machine and it's accessories. Look for worn tool slides, loose bolts or nuts, lubricant leakage, excessive rust, etc. A properly maintained machine can greatly decrease the chances for injury.
3. **ALWAYS READ PLACARDS & LABELS!** All placards, labels and stickers must be clearly legible and in good condition. Replacement labels can be purchased from the manufacturer.
4. **KEEP CLEAR OF ROTATING PARTS!** Keep hands, arms and fingers clear of all rotating or moving parts. Always turn machine off before attempting any adjustments requiring contact with the machine or it's accessories.
5. **SECURE LOOSE CLOTHING & JEWELRY!** Loose fitting clothing, jewelry; long, unbound hair can get caught in the rotating parts on machines. By keeping these things secure or removing them you can greatly reduce the chance for injury.
6. **KEEP WORK AREA CLEAR!** Be sure to keep the work area free of clutter and nonessential materials. Only allow those personnel directly associated with the work being performed to have access to the area if possible.

For your safety and the safety of others, read and understand these safety recommendations and operating instructions before operating.

ALWAYS WEAR PROTECTIVE EQUIPMENT:



WARNING

Impact resistant eye protection must be worn while operating or working near this tool.

For additional information on eye and face protection, refer to federal OSHA regulations, 29 Code of Federal Regulations, Section 1910.133., Eye and Face Protection and American National Standards Institute, ANSI Z87.1, Occupational and Educational Eye and Face Protection. Z87.1 is available from the American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018.



CAUTION

Personal hearing protection is recommended when operating or working near this tool.

Hearing protectors are required in high noise areas, 85 dBA or greater. The operation of other tools and equipment in the area, reflective surfaces, process noises and resonant structures can substantially contribute to and increase the noise level in the area. For additional information on hearing protection, refer to federal OSHA regulations, 29 Code of Federal Regulations, Section 1910.95, Occupational Noise Exposure and ANSI S12.6 Hearing Protectors.



CAUTION

Some individuals are susceptible to disorders of the hands and arms when exposed to tasks which involve highly repetitive motions and/or vibration. Disorders such as Carpal tunnel syndrome and tendonitis can be caused or aggravated by repetitious, forceful exertions of the hands and arms.

- Use minimum hand grip force.
- Keep wrists straight.
- Avoid prolonged, continuous vibration exposure.
- Avoid repeated bending of wrists and hands.
- Keep hands and arms warm and dry.



CAUTION

Gloves are not a form of protection and should not be worn while operating machinery. Chips and debris which are generated during operation should be disposed of in a safe manner. This should be done with the use of a dust pan and broom to avoid exposure to hands.

ANVISNING I SIKKERHED

DK

Siden 1883 har EH Wachs haft ry for deres kvalitet og varetagelse af kundtilfredshed og vil også gøre vort bedste for at sikre, at vore maskiner benyttes på en sikker og forsvarlig måde.

Vi har lavet en liste over påmindelser, der skal bidrage til at skabe det sikrest mulige arbejdsmiljø. Vi anbefaler, at sikkerhedsforanstaltningerne på listen omhyggeligt overholdes.



Læs følgende grundigt, inden der foretages andet

1. LÆS BRUGSANVISNINGEN!!

Hvis man læser anvisningerne i klargøring og drift, inden man begynder at gøre maskinen klar, kan man spare tid og forhindre person- og maskinskade.

2. INSPICÉR MASKINE OG Udstyr!

Inden maskinen gøres klar, skal man inspicere maskinen og udstyret. Se efter slide fittings, løse bolte og møtrikker, olie-lækager, rust osv. Når maskinen holdes i god stand, er der langt mindre risiko for personskade.

3. LÆS ALTID SKILTE OG ETIKETTER!

Alle skilte og etiketter skal være letlæselige og i god stand. Nye skilte og etiketter fås hos forhandleren.

4. HOLD AFSTAND TIL BEVÆGELIGE DELE!

Hold hænder, arme og fingre væk fra alle roterende og bevægelige dele. Man skal altid slukke for maskinen, inden man påbegynder justering, hvor man kommer i kontakt med maskinen eller udstyret.

5. BRUG IKKE LØSTHÆNGENDE TØJ OG SMYKKER!


Løst-hængende tøj, smykker og langt, løst-hængende hår kan blive fanget i maskinens bevægelige dele. Man kan i høj grad nedsætte risikoen for personskade ved ikke at bruge løst-hængende tøj og smykker og ved at samle langt hår oppe på hovedet.

6. HOLD ARBEJDSSTEDET RYDDET!

Arbejdsstedet skal holdes ryddeligt og fri for materialer, der ikke hører til. Uvedkommende personer bør ikke have adgang til arbejdsstedet, hvis det er muligt.


BRUG ALTID BESKYTTELSESDUSTYR:

ADVARSEL



Man skal bruge slag-resistente sikkerhedsbriller, når man arbejder med eller i nærheden af denne maskine.

FORSIGTIG



Man skal altid bruge hørevern, når man arbejder med eller i nærheden af denne maskine.

FORSIGTIG



Nogle mennesker er disponeret for lidelser i hænder og arme, når de udsættes for opgaver, der involverer stærkt repetitiv bevægelse og/eller vibration. Sygdomme, såsom karpal-tunnelsyndrom og ten-dinitis, kan forårsages eller forværes af repetitiv, kraftig brug af hænder og arme.

FORSIGTIG



Hold dig på afstand af roterende dele under drift. Hold hænder og arme mindst 60 cm væk fra bevægelige dele, undtagen ved start og stands fling.

FORSIGTIG



Handsker er ikke en form for beskyttelse. Gå ikke med handsker, mens maskinen betjenes. Spåner og findelt materiale, som udvikles under drift, skal bortskaffes på forsvarlig måde. Dette skal gøres ved brug af en fejebakke og en kost, for at undgå påvirkning af hænderne.

ΟΔΗΓΙΕΣ ΑΣΦΑΛΕΙΑΣ

GR

Από το 1883, η EH Wachs έχει δημιουργήσει μια φήμη ποιότητας και δέσμευσης στην ικανοποίηση του πελάτη. Συνεπώς, η Wachs πρέπει να αναλάβει την πρόσθετη υποχρέωση να κάνουμε το καλύτερο για να εξασφαλίσουμε την ασφαλέστερη χρήση του εξοπλισμού μας.

Έχουμε καταρτίσει έναν κατάλογο υπομνήσεων ασφαλείας που βοηθούν στη δημιουργία του ασφαλέστερου δυνατού χώρου εργασίας. Συνιστούμε την πιστή εφαρμογή των προληπτικών μέτρων που αναγράφονται παρακάτω.



Πριν προχωρήσετε διαβάστε όλες τις παρακάτω υποδείξεις

1. ΔΙΑΒΑΣΤΕ ΤΟ ΒΙΒΛΙΟ ΟΔΗΓΙΩΝ!

Η ανάγνωση των οδηγιών εγκατάστασης και χειρισμού πριν αρχίσετε τις διαδικασίες εγκατάστασης μπορούν να σας εξοικονομήσουν πολύτιμο χρόνο και να βοηθήσουν στην αποτροπή τραυματισμού των χειριστών ή βλάβης των μηχανών.

2. ΕΠΙΘΕΩΡΗΣΤΕ ΤΗ ΜΗΧΑΝΗ ΑΙ ΤΑ ΕΞΑΡΤΗΜΑΤΑ!

Πριν από την εγκατάσταση της μηχανής επιθεωρήστε τη φυσική κατάσταση της μηχανής και των εξαρτημάτων. ιατάξτε για τυχόν φθορά στις γλίστρες των εργαλείων, λασκαρισμένα μπουλόνια ή παξιμάδια, διαρροή λιπαντικού, υπερβολική σκουριά κτλ. Η μηχανή που συντηρείται κανονικά μπορεί να μειώσει σημαντικά τις πιθανότητες τραυματισμού.

3. ΠΑΝΤΑ ΔΙΑΒΑΣΤΕ ΤΙΣ ΠΙΝΑΚΕΣ & ΤΙΣ ΕΤΙΚΕΤΕΣ!

Όλες οι πινακίδες, ετικέτες και αυτοκόλλητα πρέπει να διαβάζονται καθαρά και να βρίσκονται σε καλή κατάσταση. Εφεδρικές ετικέτες μπορείτε να αγοράσετε από τον κατασκευαστή.

4. ΑΠΟΜΑ ΡΥΝΘΕΙΤΕ ΑΠΟ ΤΑ ΠΕΡΙΣΤΡΕΦΟΜΕΝΑ ΕΞΑΡΤΗΜΑΤΑ!

ραφήστε χέρια, βραχιόνες και δάχτυλα μακριά από όλα τα περιστρεφόμενα ή κινούμενα εξαρτήματα. Πάντοτε αβήνετε τη μηχανή πριν επιχειρήσετε οποιαδήποτε ρύθμιση που απαιτεί επαφή με τη μηχανή ή τα εξαρτήματά της.

5. ΜΑΖΕΨΤΕ ΤΑ ΛΥΤΑ ΡΟΥΧΑ & ΟΣΜΗΜΑΤΑ!


Τα ρούχα που δεν έχουν καλή εφαρμογή, τα κοσμήματα, τα μακριά, αυτά μαλλιά μπορεί να πιαστούν στα περιστρεφόμενα εξαρτήματα της μηχανής. Στερεώνοντας ή βγάζοντας τα μπορείτε να μειώσετε σημαντικά την πιθανότητα τραυματισμού.

6. ΔΙΑΤΗΡΕΙΤΕ ΕΛΕΥΘΕΡΟ ΤΟ ΧΩΡΟ ΕΡΓΑΣΙΑΣ!

Φροντίστε να διατηρείτε το χώρο εργασίας ελεύθερο από ακαταστασία και επισυώδη υλικά. Επιτρέπεται την είσοδο μόνο στους έχοντας άμεση σχέση με την εκτελούμενη εργασία αν είναι δυνατό.


ΝΑ ΦΟΡΑΤΕ ΠΑΝΤΟΤΕ ΠΡΟΣΤΑΤΕΥΤΙ Α Η ΔΙΔ:

ΠΡΟΕΙΔΟΠΟΙΗΣΗ



Να φοράτε ειδη προστασίας των ματιών κατά της πρόσκρουσης όταν χειρίζεστε ή εργάζεστε κοντά στο εργαλείο αυτό.

ΠΡΟΣΟΧΗ



Χρειάζεται πάντοτε ατομική προστασία των αυτιών όταν χειρίζεστε ή εργάζεστε κοντά στο εργαλείο αυτό.

ΠΡΟΣΟΧΗ



Μερικά άτομα είναι ευαίσθητα στις διαταραχές των χεριών και των βραχιόνων όταν εκθέτονται σε εργασίες που συνεπάγονται εξαιρετικά επαναληπτικές κινήσεις και/ή κραδασμούς. Οι διαταραχές όπως το σύνδρομο καρπικής σήραγγας και η τενοντιτίδα μπορεί να προκληθούν ή να επιδεινωθούν από τις επαναληπτικές, ισχυρές εκτάσεις των χεριών και των βραχιόνων.

“SB” and “MB” BOILER TUBE BEVELERS

SECTION II

EC DECLARATION OF CONFORMITY

Name and address of manufacturer (if different) E.H. Wachs Company
100 Shepard St.
Wheeling, IL 60090 USA

Distributed in the EC by: _____
Business address: _____

We declare that the machine described below conforms with the EHSR of the machinery directive 89/392/EEC and amendments 91/368/EEC, 93/44/EEC and 93/68/EEC

Machine Title Boiler Tube Bevelers

Model Number 70-000-01, 71-000-01

Machine Description Portable machinery to end prep pipe.

Serial Number _____

Harmonized Standards Used EN 292, EN 292-2, EN 294, EN 349

PR: EN 982, PR: EN 983, 10/95

Other Safety Standards Used PR: EN 792-1, PR: EN 983, 1050

Name of person authorized to sign on behalf of the E.H. Wachs Companies Scott Weldon

Position Vice President / CFO

Signature *Scott Weldon*

Date April 1, 1999

“SB” and “MB” BOILER TUBE BEVELERS

SECTION III

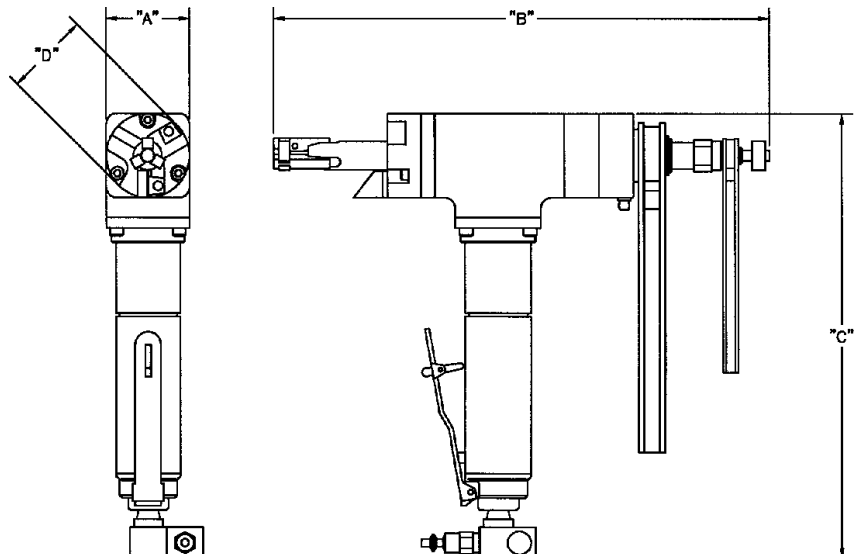
SPECIFICATIONS

“SB” and “MB” BOILER TUBE BEVELERS

SB SPECIFICATIONS

Machining Functions:	Boiler tube weld preparation
Capacity:	Machine boiler tube .69" I.D. to 2.25" O.D. (12.7 to 57.1mm).
Feed:	Manual ratcheting
Drive:	Pneumatic
Air Requirements:	25 cfm @ 90 psi
Air motor:	.4 HP
Tooling:	High speed steel form tools
Mandrel Range:	.69" to 1.82" I.D. (12.7mm to 46.2mm)
Installation:	5 minute set up. Less than 30 seconds change over from tube to tube
Weight:	7.9 lbs. (3.6kg)
Controls:	Manual ratcheting tool in-feed. On/Off hand grip with safety
Standard Equipment:	Basic SB machine, air motor, 6' hose whip w/swivel, cutting head, standard mandrel with leg set, installation tools, storage case and operating manual.

"A" Dimension:	2.0"
"B" Dimension:	11.75"
"C" Dimension:	10.5"
"D" Dimension:	2.0"

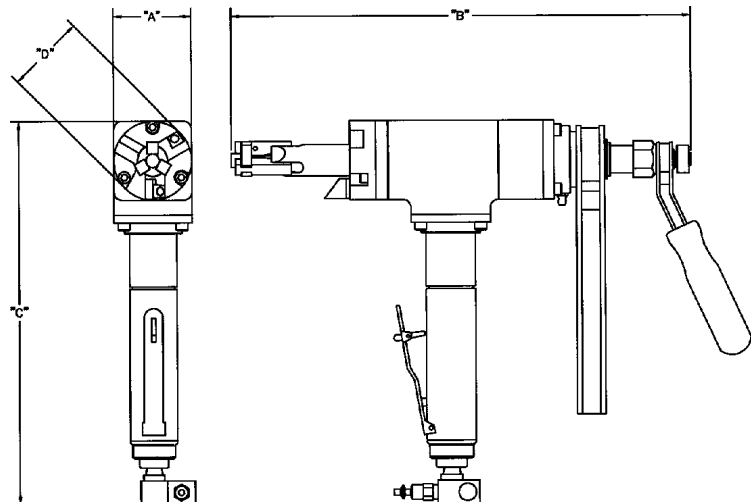


“SB” and “MB” BOILER TUBE BEVELERS

MB SPECIFICATIONS

Machining Functions:	Boiler tube weld preparation
Capacity:	Machine 2.75" O.D. (69.8mm) Standard up to .425" (10.7mm) wall max. Machine 3.5" O.D. (88mm) with extended range option up to .425" (10.7mm) max.
Feed:	Manual ratcheting
Drive:	Pneumatic
Air Requirements:	25 cfm @ 90 psi max.
Air motor:	.75 HP
Tooling:	High speed steel form tools
I.D. Chucking Range:	1.0" to 2.3" I.D. (25.4 to 58.4mm) Standard 2.2" to 3.0" I.D. (55.8 to 76.2mm)with extended range option
Installation:	5 minute set up. Less than 30 seconds change over from tube to tube
Weight:	13 lbs. (5.9kg)
Controls:	Manual ratcheting tool in-feed. On/Off hand grip with safety
Standard Equipment:	Basic MB machine, air motor, 6' hose whip w/swivel, cutting head, standard mandrel with leg set, installation tools, storage case and operating manual.
Options	Extended range option includes 3 leg sets and tool head

"A" Dimension:	2.5"
"B" Dimension:	14.5"
"C" Dimension:	12.0"
"D" Dimension:	2.5"
"D" Dimension w/ optional Tool Head	3.25"



“SB” and “MB” BOILER TUBE BEVELERS

SECTION IV

SET UP & OPERATING PROCEDURES

“SB” and “MB” BOILER TUBE BEVELERS

LEG INSTALLATION PROCEDURE

MODELS SB & MB

NOTE: To determine which leg set is required, measure the work piece pipe I.D. Refer to the Leg Chart. Each leg set is stamped with a reference number which corresponds to the pipe I.D. range which the leg set will accommodate.



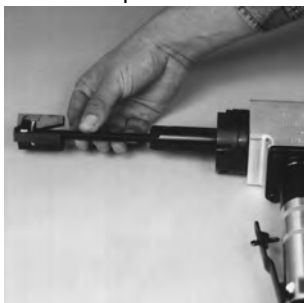
1. Remove draw bar retainer.



2. Remove draw bar using the clamp ratchet.



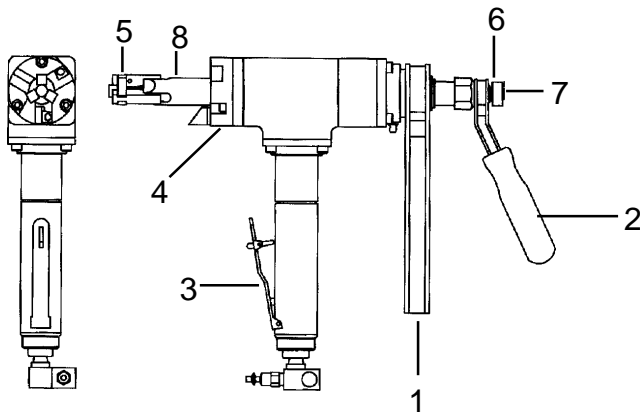
3. Slide the clamp leg set up the draw bar and slip leg set over draw bar head slot .



4. Reinstall draw bar and retainer.

END PREP TOOL COMPONENT DESCRIPTION

- | | |
|----------------------|----------------------|
| 1. Feed Ratchet | 5. Clamp Leg Set |
| 2. Clamp Ratchet | 6. Draw Bar |
| 3. Air Motor Trigger | 7. Draw Bar Retainer |
| 4. Tool Bit Disk | 8. Mandrel Shaft |



TOOL BIT INSTALLATION

1. Loosen tool bit wedge screw with the provided hex key.
2. Slide tool bit into desired position and snug the tool bit wedge screw.



OPERATION

Insert the clamp leg end of the mandrel into the workpiece. Tension the clamp legs by turning the clamp ratchet on the rear of the tool clockwise. **CAUTION:** *Over tightening of the clamp leg draw bar can result in draw bar breakage and of parts in the tube.* Connect air supply to tool. Be sure to use an in-line oiler/ regulator/ filter and verify the maximum 90 psi. Squeeze air motor trigger and turn the feed ratchet clockwise. Always attempt continuous pressure and feed until desired bevel is achieved. While tool is still rotating, turn feed ratchet counterclockwise to relieve tool pressure. Release air motor trigger; disconnect power source and release clamp legs by turning clamp ratchet counterclockwise.



“SB” and “MB” BOILER TUBE BEVELERS

“SB” and “MB” BOILER TUBE BEVELERS

SECTION V

CHARTS

SB BOILER TUBE BEVELERS

CLAMP LEG CHARTS

SB	
Leg Set #	I.D. Range
1	.69" - .90"
2	.86" - 1.08"
3	1.04" - 1.27"
4	1.23" - 1.45"
5	1.41" - 1.64"
6	1.60" - 1.82"

MB	
Leg Set #	I.D. Range
1	1.00" - 1.32"
2	1.25" - 1.56"
3	1.49" - 1.80"
4	1.73" - 2.05"
5	1.98" - 2.30"
--	-----
	Optional
6	2.22" - 2.55"
7	2.47" - 2.79"
8	2.72" - 3.04"

TOOLING

Description	Part Number
37 1/2 Degree Bevel Tool Bit	70-700-00
Tool Bit, Facing	70-701-00

SB BOILER TUBE BEVELERS

SECTION V

PARTS LISTS & EXPLODED VIEW DRAWINGS

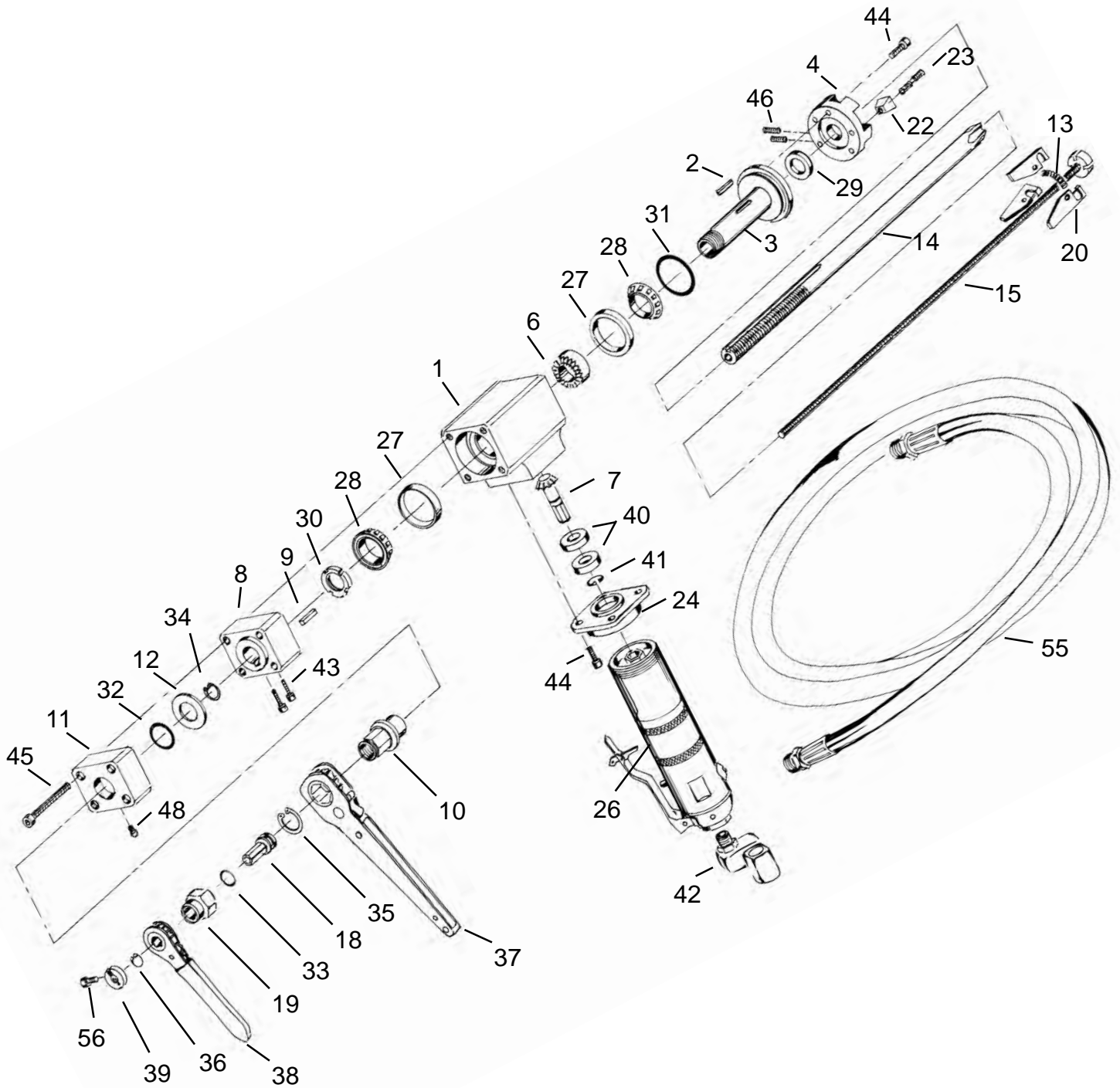
SB BOILER TUBE BEVELERS

SB Beveler Bill of Material

Part # 70-000-01

Ref.#	Part #	Qty.	Description	Ref.#	Part #	Qty.	Description
1	70-001-00	1	HOUSING, BEARING	30	70-030-00	1	LOCKNUT
2	70-002-00	1	KEY, GEAR	31	70-031-00	1	O'RING
3	70-003-00	1	SHAFT, MAIN	32	70-032-00	1	O'RING
4	70-004-00	1	HEAD, TOOL	33	70-033-00	1	O'RING
6	70-006-00	1	GEAR, RING	34	70-034-00	1	RING, SNAP
7	70-007-00	1	GEAR, PINION	35	70-035-00	1	RING, SNAP
8	70-008-00	1	HOUSING, KEY	36	70-036-00	1	RING, SNAP
9	70-009-00	1	KEY, MANDREL	37	70-037-00	1	ARM, RATCHET
10	70-010-00	1	NUT, FEED	38	70-038-00	1	RATCHET, BOX
11	70-011-00	1	HOUSING, FEED NUT	39	70-039-00	1	COLLAR
12	70-012-00	1	WASHER	40	73-026-00	2	BEARING
13	70-013-00	6	SPRING, RETAINING	41	73-027-01	1	RING, SNAP
14	70-014-00	1	MANDREL	42	73-037-00	1	SWIVEL, 1/4"
15	70-015-00	1	WLDMNT, DRAWBAR	43	90-001-05	2	SHCS,6-32 X 1/2
18	70-018-00	1	NUT, DRAWBAR	44	90-040-06	7	SHCS,10-24 X 5/8
19	70-019-00	1	COLLAR, NUT	45	90-040-17	4	SHCS,10-24X1-3/4
20	70-020-01	3	LEG, CHUCK	46	90-044-05	2	SSS 10-24X1/2 LG.
	70-020-02	3	LEG, CHUCK	47-NS	90-152-03	1	BHCS, 1/4-28X3/8
	70-020-03	3	LEG, CHUCK	48	90-500-01	1	GRSE.FTG,3/16STR DR
	70-020-04	3	LEG, CHUCK	49-NS	90-500-05	1	GRSE.FTG,1/4-28 STR
	70-020-05	3	LEG, CHUCK	NS	90-800-06	1	KEY,HEX SET5/64-1/4*
	70-020-06	3	LEG, CHUCK	NS	90-800-22	1	WRENCH,HEX 1/8 S ARM
22	70-022-00	2	WEDGE	NS	70-042-00	1	LABEL, CASE
23	70-023-00	2	SCREW, DIFERENTIAL	NS	70-043-00	1	CASE
24	70-024-00	1	ADAPTER, AIR MOTOR	NS	70-044-00	1	INSERT, CASE
26	70-026-00	1	MOTOR, AIR	55	73-040-00	1	HOSE ASSM, 1/4" X 6'
27	70-027-00	2	CUP	56	90-001-03	1	SHCS 6-32 x 3/8 Lg.
28	70-028-00	2	CONE				
29	70-029-00	1	BEARING				

SB BOILER TUBE BEVELERS



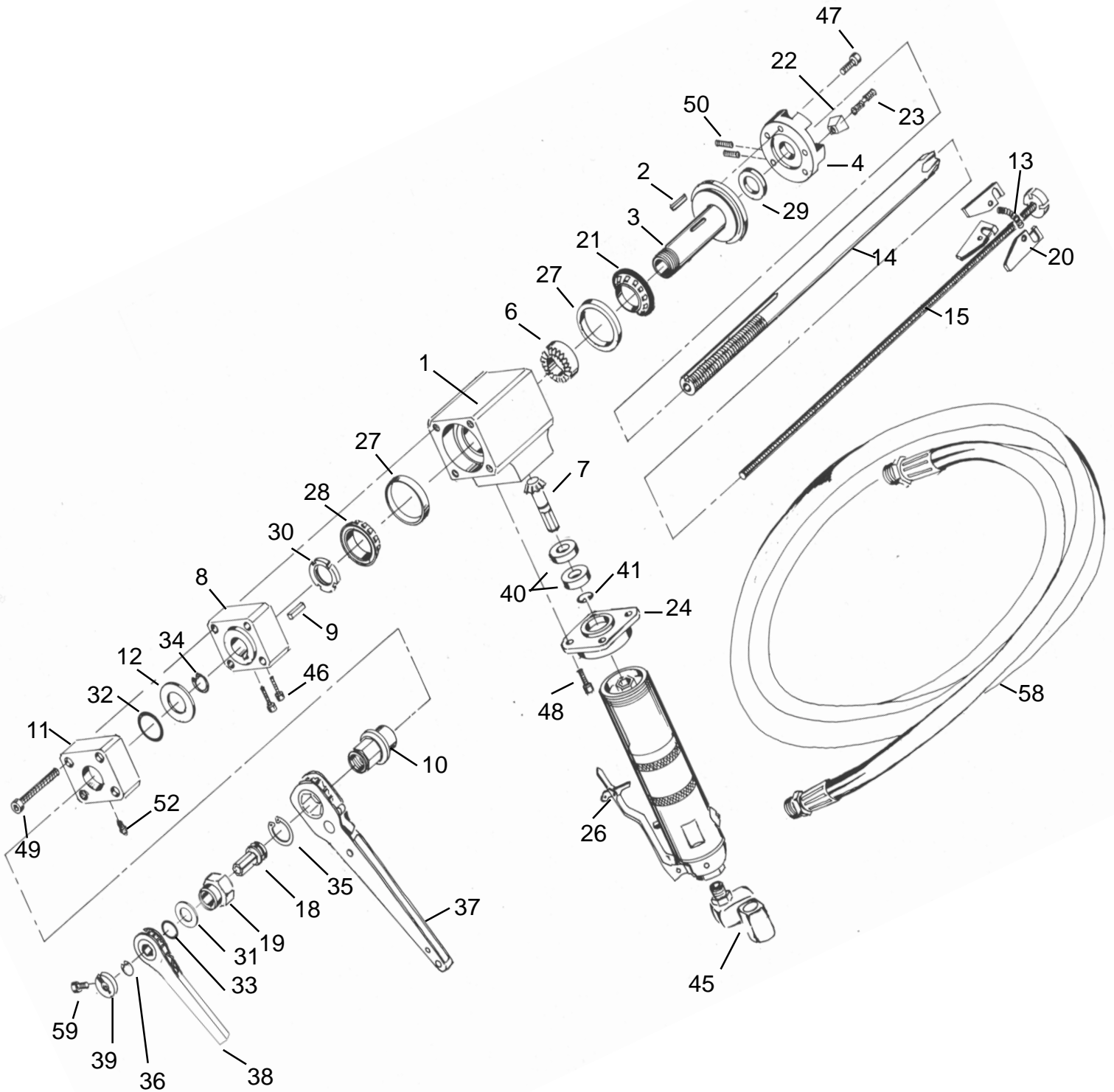
MB BOILER TUBE BEVELERS

MB Beveler Bill of Material

Part # 71-000-01

Ref.#	Part #	Qty.	Description	Ref.#	Part #	Qty.	Description
1	71-001-01	1	HOUSING, BEARING	30	71-030-00	1	LOCKNUT
2	71-002-00	1	KEY, GEAR	31	71-031-00	1	WASHER
3	71-003-00	1	SHAFT, MAIN	32	71-032-00	1	O'RING
4	71-004-00	1	HEAD, TOOL	33	71-033-01	1	O'RING
6	71-006-00	1	GEAR, RING	34	71-034-00	1	RING, SNAP
7	71-007-00	1	GEAR, PINION	35	71-035-00	1	RING, SNAP
8	71-008-00	1	HOUSING, KEY	36	71-036-01	1	RING, SNAP
9	16-009-00	1	KEY, MANDREL	37	71-037-00	1	ARM, RATCHET
10	71-010-00	1	NUT, FEED	38	71-038-01	1	RATCHET, BOX
11	71-011-00	1	HOUSING, FEED NUT	39	71-039-00	1	COLLAR
12	71-012-00	1	WASHER	40	71-040-00	2	BEARING
13	71-013-00	5	SPRING, RETAINING	41	71-041-00	1	RING, SNAP
14	71-014-00	1	MANDREL	45	73-037-00	1	SWIVEL, 1/4"
15	71-015-01	1	DRAWBAR	46	90-040-07	2	SHCS,10-24 X 3/4
18	71-018-01	1	NUT, DRAWBAR	47	90-050-06	3	SHCS,1/4-20 X 5/8
19	71-019-01	1	COLLAR, NUT	48	90-050-07	4	SHCS,1/4-20 X 3/4
20	71-020-01	3	LEG, CHUCK	49	90-050-22	4	SHCS, 1/4-20X 2 1/4
	71-020-02	3	LEG, CHUCK				
	71-020-03	3	LEG, CHUCK				
	71-020-04	3	LEG, CHUCK				
	71-020-05	3	LEG, CHUCK				
21	71-021-00	1	CONE-SEAL ASSY.	50	90-054-05	2	SSS, 1/4-20 X 1/2
22	70-022-00	2	WEDGE	51-NS	90-152-03	1	BHCS, 1/4-28 X 3/8
23	70-023-00	2	SCREW, DIFERENTIAL	52	90-500-05	2	GRSE, FTG, 1/4-28 STR
24	71-024-00	1	ADAPTER, AIR MOTOR	53	90-800-06	1	KEY, HEX SETS 5/64-1/4*
26	71-026-00	1	MOTOR, AIR	54	90-800-22	1	WRENCH, HEX 1/8 S ARM
27	71-027-00	2	CUP	55	71-042-00	1	LABEL. CASE
28	71-028-00	1	CONE	56	70-043-00	1	CASE
29	71-029-00	1	BEARING WITH SEAL	57	71-044-00	1	INSERT, CASE
				58	73-040-00	1	HOSE, ASSM, 1/4" X 6'
				59	90-040-03	1	SHCS 6-32 x 3/8 Lg.

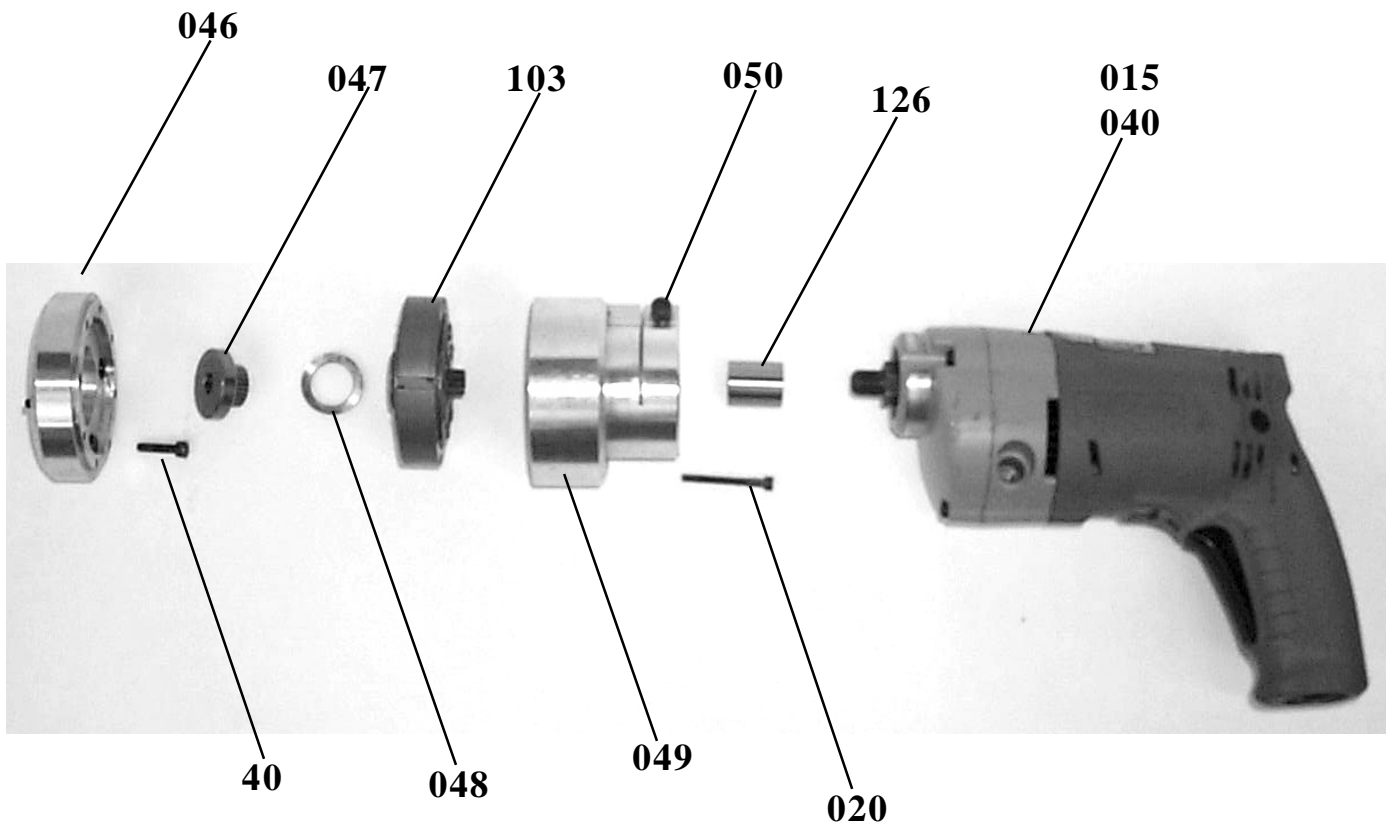
MB BOILER TUBE BEVELERS



SB BOILER TUBE BEVELERS

SB Electric Drive Assembly 110 Volt/220 Volt

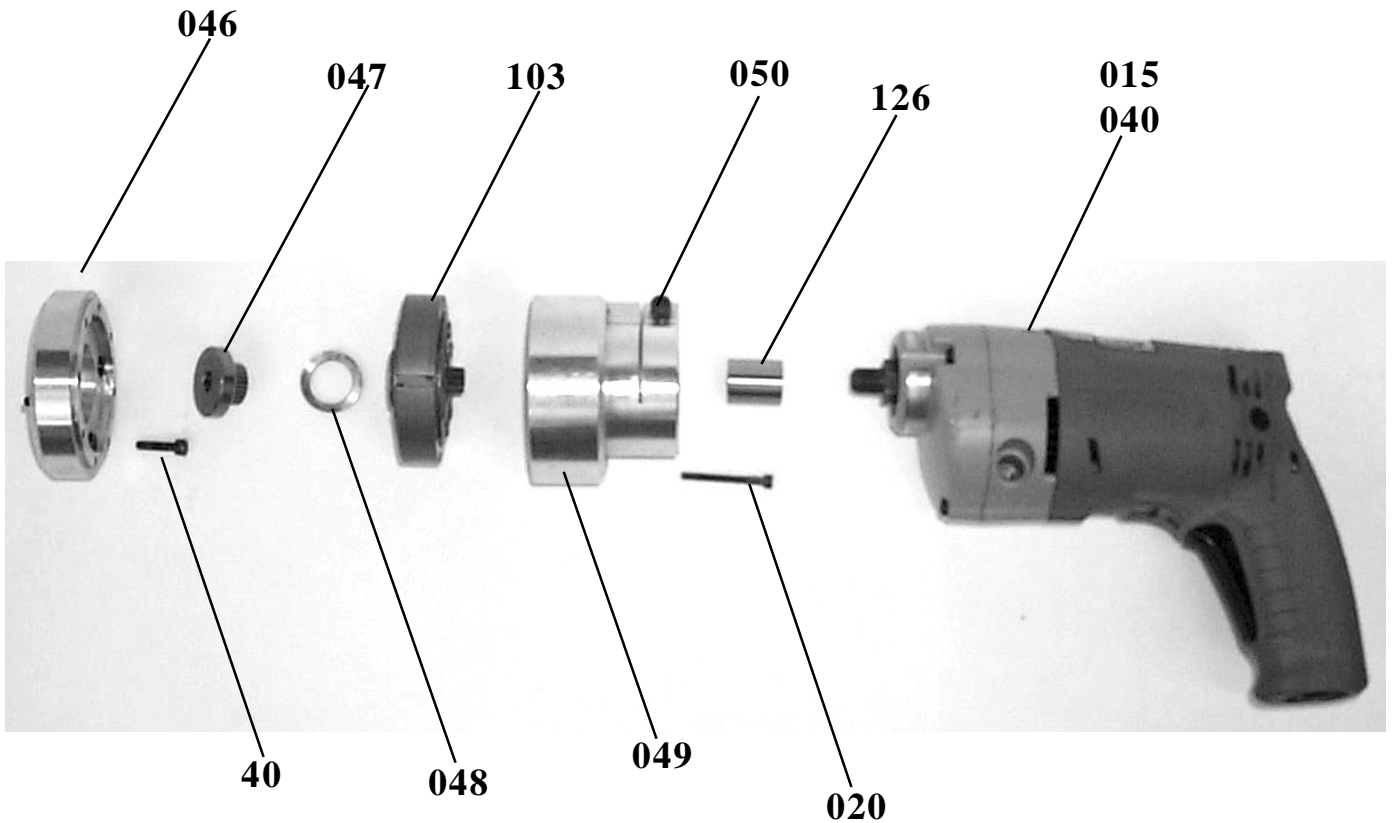
Ref.#	Part #	Qty.	Description
103	111-103-00	1	GEAR, PLANETARY
015	18-015-00	1	MOTOR, 110V DRILL
040	18-040-00	1	MOTOR, 220V DRILL
126	26-126-01	1	COUPLING, INPUT
046	70-046-00	1	PLATE, ADAPTER
047	70-047-00	1	SHAFT, OUTPUT
048	70-048-00	1	RING, SPACER
049	70-049-00	1	HOUSING, GEARSET
020	90-020-15	7	SHCS, 8-32 X 1 1/2
40	90-040-06	4	SHCS, 8-32 X 5/8
050	90-050-08	1	SHCS, 1/4-20 X 7/8



SB BOILER TUBE BEVELERS

MB Electric Drive Assembly 110 Volt/220 Volt

Ref.#	Part #	Qty.	Description
103	11-103-00	1	GEAR, PLANETARY
015	18-015-00	1	MOTOR, 110V DRILL
040	18-040-00	1	MOTOR, 220V DRILL
126	26-126-01	1	COUPLING, INPUT
046	71-046-00	1	PLATE, ADAPTER
047	70-047-00	1	SHAFT, OUTPUT
048	70-048-00	1	RING, SPACER
049	70-049-00	1	HOUSING, GEARSET
020	90-020-15	7	SHCS, 8-32 X 1 1/2
050	90-050-08	5	SHCS, 1/4-20 X 7/8



SB BOILER TUBE BEVELERS

MB Beveler Extended Range Option Bill of Material

71-401-00

Extended Range Option for Medium ID Mount Boiler Tube Machine. Includes: 3 Leg Sets for ID's from 2.2" to 3.0" (56-76mm) and 3.25" diameter extended range tool head.

When used with "MB" Machine to extend range to 3.5" OD up to .425 wall thickness tube and pipe.

REF. #	PART #	QTY.	DESCRIPTION
25	71-005-00	1	HEAD, TOOL-LARGE
35	70-023-00	2	SCREW, DIFERENTIAL
45	90-054-05	3	SSS, 1/4-20 x 1/2
55	71-020-06	3	LEG, CHUCK
65	71-020-07	3	LEG, CHUCK
75	71-020-08	3	LEG, CHUCK
85	71-013-00	3	SPRING, RETAINING

“SB” and “MB” BOILER TUBE BEVELERS

SECTION VIII

ORDERING INFORMATION

To place an order or to get more detailed information on any E.H. Wachs products, call us at:
1-800-323-8185.

ORDERING REPLACEMENT PARTS

Please use parts list provided in manual. Have part description and part number of required replacement part or parts to help expedite order and insure proper parts are being ordered.

REPAIR INFORMATION

Please call E.H. Wachs Company prior to returning any equipment for repair. We will advise you of shipping and handling. Please enclose with equipment to be repaired your name, address, phone number and a brief description of problem or work to be done or estimated.

All repair work done at our plant will be estimated and the customer advised of cost and time required to complete repair.

WARRANTY INFORMATION

Enclosed with the manual is a warranty card. Please fill out the registration card and return to E.H. Wachs. Retain the owners registration record and warranty card for your information.

RETURN GOODS ADDRESS

E.H. Wachs Company
100 Shepard Street
Wheeling, Illinois 60090



Call or Write:

E.H. Wachs Company
100 Shepard Street
Wheeling, Illinois 60090

847-537-8800

FAX: 847-520-1147 • 847-520-1168

Toll-Free: 1-800-323-8185

	PIPE & TUBE
	CUT-OFF MACHINES 
Model: SB and MB BEVELERS	
Enter Your Machines Serial Number Here For Proper Record Keeping and Ordering Reference.	

