



CELEBRATING 40 YEARS

EST.



1982

WOLFF

INDUSTRIES, INC.



**SHARPENERS, PARTS &
ACCESSORIES
CATALOG
2022/2023**



Wolff Industries, Inc.

i s t h e w o r l d ' s l a r g e s t
manufacturer of industrial and professional scissors sharpeners
and specializes in providing the highest quality
stainless steel scissors,
d e v e l o p i n g c u t t i n g s o l u t i o n s ,
and pushing the scissors and sharpening industry forward.

**We are your scissors
and sharpening
experts.**

CONTACT US

Monday - Friday: 8:00 AM - 5:00 PM EST

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WHY CHOOSE WOLFF®?

PARTNER WITH WOLFF® & OUR STAFF:

- Will help solve sharpening problems.
- Will recommend job-specific shears.
- Will provide dedicated site reports.
- Is available to schedule with any shift.
- Is courteous, helpful, and professional.
- Has a genuine interest in helping you succeed.

COMPREHENSIVE SCISSORS PROGRAM

1 - We have scissors with ergonomic handles designed with different sizes to fit the employees' hands. The blades can be modified to perform the best cut for your material. Our stainless steel is durable and makes for a long lasting cutting edge.

2 - Our Twice as Sharp® Scissors Sharpener will sharpen scissors twice as sharp as new. We recommend sharpening most industrial shears at their original factory angle. Scissors sharpening and maintenance training is available upon request.

3 - Use the SMS-2204-SS to properly realign the cutting edge on your production line. Scissors *must* be at 35° on both blades for this tool. Knife steels are not recommended for use on scissors.

4 - The WolffTrax® Inventory Control System is a tool tracking and accountability software that reduces costs, eliminates paperwork, and prevents foreign material recalls.

5 - The Wolff® Scissors Tester will ensure proper sharpness and sharpening techniques by providing a sharpness score and creating a report. This report helps determine the frequency of sharpening, the life cycle of the scissors, and sharpener skill levels.

1. Proper Scissors Selection



2. Scissors Sharpening



3. Proper
Maintenance



4. Inventory Control



5. Verification of Sharpness



**Following this 5-step process
results in improvements in
safety, ergonomics, longevity,
productivity, and cost savings.**

HIRA-TO® FLAT HONE SHARPENING SYSTEM

When you want to provide the absolute best edge possible on high end convex shears, look no further than the Wolff Industries Hira-To Scissors Sharpening System. The Hira-To® is designed to sharpen and convex beauty, barber, and grooming scissors. It is easier, faster, and more precise when sharpening convex scissors than traditional systems.

The Hira-To is a single head flat hone designed to recreate the factory look and edge on high end convex or semi-convex beauty, barber, and grooming scissors. It was developed with a focus on the fixture and arm assembly. The Hira-To fixture is ergonomically contoured to fit the natural curvature of the sharpener's hand offering sharpeners of many skill levels the opportunity to match the free-hand style used by Japanese bladesmiths. Both right and left hand shears can be sharpened at any angle ranging from 25° to 65°.

This sharpener is the most advanced single head flat hone on the market with multi-direction switching, 0-2500 RPM variable speed, and electronic shaft break. It is compatible with pressure sensitive adhesive discs or hook and loop discs.

FEATURES:

- Creates a perfect convex or semi-convex edge
- Accommodates many blade types, shapes, sizes, tapers and angles
- Sharpens right and left hand scissors
- Rotating head and shaft are contoured for comfort
- Forward, stop, and reverse variable speed drive





9 MICRON 3M DISC

PART NUMBER:

FH-HL-9 (HOOK & LOOP SINGLE)
FH-HL-9-PK (HOOK & LOOP 25 PACK)
FH-PSA-9 (PSA SINGLE)
FH-PSA-9-PK (PSA 25 PACK)



15 MICRON 3M DISC

PART NUMBER:

FH-HL-15 (HOOK & LOOP SINGLE)
FH-HL-15-PK (HOOK & LOOP 25 PACK)
FH-PSA-15 (PSA SINGLE)
FH-PSA-15-PK (PSA 25 PACK)



30 MICRON 3M DISC

PART NUMBER:

FH-HL-30 (HOOK & LOOP SINGLE)
FH-HL-30-PK (HOOK & LOOP 25 PACK)
FH-PSA-30 (PSA SINGLE)
FH-PSA-30-PK (PSA 25 PACK)



60 MICRON 3M DISC

PART NUMBER:

FH-PSA-60 (PSA SINGLE)
FH-PSA-60-PK (PSA 25 PACK)
FH-HL-60 (HOOK & LOOP SINGLE)
FH-HL-60-PK (HOOK & LOOP 25 PACK)



80 MICRON 3M DISC

PART NUMBER:

FH-PSA-80 (PSA SINGLE)
FH-PSA-80-PK (PSA 25 PACK)
FH-HL-80 (HOOK & LOOP SINGLE)
FH-HL-80-PK (HOOK & LOOP 25 PACK)



BACK UP PAD FOR PSA

PART NUMBER:

FH-7303 (PSA BACK-UP PAD ONLY)
FH-PSA-PLATE (WITH THE METAL PLATE)



BACK UP PAD FOR H&L

PART NUMBER:

FH-7304 (H&L BACK UP PAD ONLY)
FH-HL-PLATE (WITH THE METAL PLATE)



FELT POLISHING PAD

PART NUMBER:

FH-FP (FELT PAD ONLY)
FH-FP-PLATE (WITH THE METAL PLATE)



18 GRAM DIAMOND POLISHING PASTE SYRINGE

PART NUMBER:

FH-DP

Free Technical Support

If you have any sharpening questions, call us toll free at 800-888-3832. Our staff has many years of sharpening and scissors manufacturing experience and we can answer most sharpening questions. We can also utilize our research department for more difficult problems.

HIRA-TO® MODELS, PARTS, & ACCESSORIES



HIRA-TO MODELS:

110 VOLT WITH HOOK AND LOOP DISCS

PART NUMBER:
HIRA-TO-HL

110 VOLT WITH PRESSURE SENSATIVE ADHESIVE DISCS

PART NUMBER:
HIRA-TO-PSA

220-240 VOLT WITH HOOK AND LOOP DISCS

PART NUMBER:
HIRA-TO-HL-240

220-240 VOLT WITH PRESSURE SENSATIVE ADHESIVE DISCS

PART NUMBER:
HIRA-TO-PSA-240



HIRA-TO FIXTURE ASSEMBLY

PART NUMBER:
HIRA-TO-FIXTURE

The fixture assembly is designed for use with other flat hone systems. The clamp will make sharpening convex-edge Japanese beauty shears easy.

Specs:

Voltage: 110 V, 220 V
Amperage: 5 A
Wattage: 200 W
Frequency: 60 Hz, 50 Hz
Speed: 0 - 2500 rpm
Phase: 1
Plate Outer Diameter: 6 in
Plate Inner Diameter: 0.375 in
Sharpening Angles: 25 to 65 degrees

EACH MODEL INCLUDES:

6x 80 micron discs
6x 60 micron discs
6x 30 micron discs
6x 15 micron discs
6x 9 micron discs
felt pad
diamond paste
5x laser cut plates
6000 grit ceramic whetstone
whetstone holder
safety glasses and dust mask
practice shears and UFO tool
scissors lubricant
deluxe screw pliers kit
small scissors repair parts kit
training dvd
owner's manual



DMT DIA-FLAT LAPPING PLATE

PART NUMBER:
DIAFLAT



WHETSTONE HOLDER

PART NUMBER:
FH-50500



6000 GRIT WHETSTONE

PART NUMBER:
FH-50503



1000 GRIT WHETSTONE

PART NUMBER:
50202



1500 GRIT WHETSTONE

PART NUMBER:
K0707



5000 GRIT WHETSTONE

PART NUMBER:
K0704

OOKAMI GOLD® SHARPENING SYSTEM

The Ookami Gold Complete Scissors Sharpening System is the next step above the Twice As Sharp® Professional Scissors Sharpener. This scissors sharpening system allows you to sharpen a full range of shears from the high-end salon shears for stylists to low-end barber and beauty scissors as well as other industrial, fabric, and sewing scissors.

It comes fitted with an 800 grit diamond wheel and pressed composite Ookami Gold polishing wheel. Ookami Gold polishing compound is included for use with the polishing wheel. The Ookami Gold honing block kit is included to help re-establish the ride line. These tools allow you to create an incredibly sharp cutting edge strong enough to stand the rigors of daily use in a modern salon. An array of other tools and accessories are included for sharpening professional beauty shears making the Ookami Gold® one of the most versatile sharpening systems.

The Ookami Gold Scissors Sharpening System also comes fitted with an arm and clamp assembly that can be set to match all possible angles on most scissors and shears up to 14 inches in length. This allows you to confidently sharpen any shear to the exact angle best suited to your customer's needs. If you ever have questions about angles or how to sharpen different styles of shears, the Ookami Gold Scissors Sharpening System comes with an in-depth manual that lists many of the best angles for each different style. If you need more help, give us a call for additional support.

Specs:

Motor - 1/4hp condenser run, TENV 100% duty cycle

Bearings - Precision ball bearings, double sealed (SKF 6202-2RS1 or equivalent)

Voltage - 110-130 AC 60 cycle, Wattage 375, 3450 rpm

Arm Assembly - Double-sealed Rulon bearings, no maintenance required

Shear Clamp - Set angles from 0-57 degrees, clamp opens to 3/4 of an inch

Weight - Boxed 25 lbs, standalone unit is 12 lbs

FEATURES:

Can make your scissors 2 to 6 times sharper than new

Creates bevel, semi-convex, and convex edges

Accommodates many blade types, shapes, sizes, tapers and angles

Sharpens the full range of scissors

800 grit diamond wheel for fine sharpening

Free floating arm system and double sealed Rulon® bearings for years of maintenance free use

Dust ports for use with the #DC-1000 dust collector or adapter rings



OOKAMI GOLD UPGRADE KIT

PART NUMBER:

OGU-TAS



OOKAMI GOLD HONING BLOCK KIT

PART NUMBER:

20651



OOKAMI GOLD CONVEXING CLAMP

PART NUMBER:

30009

OOKAMI GOLD® SHARPENING SYSTEM

OOKAMI GOLD PACKAGES INCLUDE:

	OGC-TAS	OGA-TAS	OGS-TAS	OGU-TAS
Ookami Gold Sharpener	✓	✓	✓	
Ookami Gold instructional DVD #28401-D	✓	✓	✓	✓
Ookami Gold operator's manual #13000	✓	✓	✓	✓
Ookami Gold polishing wheel #25100	✓	✓	✓	✓
Ookami Gold polishing compound #23201	✓	✓	✓	✓
Ookami Gold honing block kit #20651	✓	✓		✓
800 grit diamond sharpening wheel #27380	✓	✓	✓	✓
Practice beauty shears #P110, #P111, #P112-T	✓	✓	✓	✓
Standard shear clamp #30004	✓	✓	✓	
Deluxe screw pliers kit #20940	✓	✓		✓
Set adjusting tool #23110	✓	✓		✓
Small repair parts kit #21500	✓	✓		✓
Angle gage #23000	✓	✓	✓	✓
Fine white hone #20601	✓	✓	✓	✓
Wheel dressing brick #20620	✓	✓	✓	
UFO tool #WUFO	✓	✓	✓	
Standard sharpening wheel #27000	✓			
Professional honing wheel #25200	✓			
Industrial instructional DVD #28105-ID	✓			
Twice as Sharp operator's manual #TAS-12000	✓			



OOKAMI GOLD POLISHING COMPOUND
PART NUMBER:
23201



OOKAMI GOLD HONING BLOCKS
PART NUMBER:
20650 (BLOCKS ONLY)
20651 (HONING BLOCK KIT)



OOKAMI GOLD CONVEXING CLAMP
PART NUMBER:
30009



OOKAMI GOLD FINISH CLOTH
PART NUMBER:
20665

The **PROFESSIONAL** Twice as Sharp Scissors Sharpener sharpens pet grooming, high quality fabric shears, and low priced barber and beauty shears. The machine includes all the accessories along with the Standard Sharpening Wheel and the Professional Honing Wheel.

SYSTEM	VOLTAGE	SHARPENING WHEEL	HONING WHEEL	CLAMP
PRO-TAS	110	#27000 STANDARD	#25200 PROFESSIONAL	#30004 STANDARD
PRO-TAS-240	240	#27000 STANDARD	#25200 PROFESSIONAL	#30004 STANDARD
PRO-W-TAS	110	#27000 STANDARD	#25200 PROFESSIONAL	#30003 WIDE
PRO-ERGO	110	#27000 STANDARD	#25200 PROFESSIONAL	#30007 ERGO

The **INDUSTRIAL** Twice as Sharp Scissors Sharpener sharpens high-volume industrial shears quickly without a shiny cosmetic edge. The machine includes all the accessories along with the Standard Sharpening Wheel and the Industrial Honing Wheel.

SYSTEM	VOLTAGE	SHARPENING WHEEL	HONING WHEEL	CLAMP
IND-TAS	110	#27000 STANDARD	#25280 INDUSTRIAL	#30004 STANDARD
IND-TAS-240	240	#27000 STANDARD	#25280 INDUSTRIAL	#30004 STANDARD
IND-W-TAS	110	#27000 STANDARD	#25280 INDUSTRIAL	#30003 WIDE
IND-N-TAS	110	#27000 STANDARD	#25280 INDUSTRIAL	#30005 NARROW
IND-ERGO	110	#27000 STANDARD	#25280 INDUSTRIAL	#30007 ERGO

The **STANDARD** Twice as Sharp Scissors Sharpener sharpens fabric, home, and industrial shears. The machine includes all the accessories along with the Standard Sharpening Wheel and a Buffing Wheel.

SYSTEM	VOLTAGE	SHARPENING WHEEL	HONING WHEEL	CLAMP
STD-TAS	110	#27000 STANDARD	#25000 BUFFING	#30004 STANDARD
STD-TAS-240	240	#27000 STANDARD	#25000 BUFFING	#30004 STANDARD
STD-W-TAS	110	#27000 STANDARD	#25000 BUFFING	#30003 WIDE

The **MEDICAL** Twice as Sharp Scissors Sharpener sharpens high-volume industrial shears quickly without a shiny cosmetic edge. The machine includes all the accessories along with the Standard Sharpening Wheel and the Industrial Honing Wheel.

SYSTEM	VOLTAGE	SHARPENING WHEEL	HONING WHEEL	CLAMP
MED-TAS	110	#27340 DIAMOND	#25100 POLISHING	#30003 WIDE
MED-TAS-240	240	#27340 DIAMOND	#25100 POLISHING	#30003 WIDE

The **NO-WHEELS** Twice as Sharp Scissors Sharpener comes with the eye shields, wheel covers, finger guards, arm system, and clamp. It *does not* come with either sharpening or honing wheels.

SYSTEM	VOLTAGE	SHARPENING WHEEL	HONING WHEEL	CLAMP
NW-TAS	110	NONE	NONE	#30004 STANDARD
NW-TAS-240	240	NONE	NONE	#30004 STANDARD

TWICE AS SHARP® SCISSORS SHARPENER

Wolff Industries' Industrial Twice as Sharp is designed to make your in-house shear sharpening fast, easy, and precise. Our system comes equipped with a 100 grit sharpening wheel so you can sharpen your scissors quickly, and a 400 grit honing wheel designed to polish your shear. It will be at least twice as sharp as new! The industrial honing wheel is designed to polish industrial shears quickly without the need for a shiny cosmetic edge. The Industrial Twice as Sharp scissors sharpening system also comes fitted with an arm and clamp assembly that can be set to match all possible angles on any industrial shear up to 14 inches in length. This will allow you to confidently sharpen any shear to the exact angle best suited to your application.

Specs:

Motor - 1/4hp condenser run, TENV 100% duty cycle

Bearings - Precision ball bearings, double sealed (SKF 6202-2RS1 or equivalent)

Voltage - 110-130 AC 60 cycle, Wattage 375, 3450 rpm

Arm Assembly - Double-sealed Rulon bearings, no maintenance required

Shear Clamp - Set angles from 0-57 degrees, clamp opens to 3/4 of an inch

Weight - Boxed 14 lbs, standalone unit is 12 lbs

- Sharpening wheel with friable aluminum oxide grain structure to prevent burning blades.
- Free floating arm system and double-sealed Rulon bearings for years of maintenance free use.
- Original Twice as Sharp Standard Shears-Lock Clamp that accommodates many blade types, shapes, sizes, tapers, and angles.
- Eye shields, wheel covers, and finger guards for safety.
- Dust ports made for use with the DC-1000 Dust Collector or adaptor rings.

**Twice
as Sharp®**



EACH MODEL INCLUDES:

Sharpening Wheel

Honing Wheel

Shear Clamp

Arm Assembly #40000-15

Eye Shields #98-20100

Finger Guards #98-10140

Scissors Lubricant #20700

Pink Hone #20600

Dressing Brick #20620

Sales Poster #20400

Hex Wrench #20500

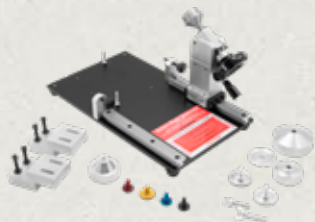
Angle Gage #23000

Safety Glasses #20300

Dust Mask #20200

Training DVD #28105-ID

Owner's Manual #TAS-12000



FIXTURE ONLY
PART NUMBER:
 RSQ-FIX (FOR QUILTING BLADES)
 RSL-FIX (FOR 4"-17" BLADES)



GOLD HOLDER
PART NUMBER:
 RS-0212



BLUE HOLDER
PART NUMBER:
 RS-0211



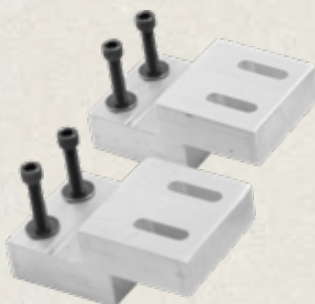
BLACK HOLDER
PART NUMBER:
 RS-0214



RED HOLDER
PART NUMBER:
 RS-0213



28MM HOLDER
PART NUMBER:
 RS-0216



RISER BLOCKS (2)
PART NUMBER:
 RS-0201



DUSENBURY HOLDERS (2)
PART NUMBER:
 RS-DUSEN



STANDARD SHARPENING WHEEL
PART NUMBER:
 27000



PROFESSIONAL HONING WHEEL
PART NUMBER:
 25200



OOKAMI GOLD POLISHING WHEEL
PART NUMBER:
 25100



OOKAMI GOLD POLISHING COMPOUND
PART NUMBER:
 23201

ROTARY BLADE SHARPENER



	RSQ-FIX	RSQ-COM	RSQ-PRO	RSL-FIX	RSL-COM	RSL-PRO
Fixture (include plates, rails, and head assembly)	✓	✓	✓	✓	✓	✓
Gold Holder RS-0212	✓	✓	✓	✓	✓	✓
Blue Holder RS-0211	✓	✓	✓	✓	✓	✓
Black Holder RS-0214	✓	✓	✓	✓	✓	✓
Red Holder RS-0213	✓	✓	✓	✓	✓	✓
28mm Holder RS-0216	✓	✓	✓	✓	✓	✓
Dusenbury Holders (2) RS-DUSEN				✓	✓	✓
Riser Blocks (2) RS-0201				✓	✓	✓
Large Blade Holders - 2 sizes				✓	✓	✓
Twice as Sharp Motor		✓			✓	
Standard Sharpening Wheel 27000			✓			✓
Professional Honing Wheel 25200		✓	✓		✓	✓
Ookami Gold Polishing Wheel 25100		✓	✓		✓	✓
Ookami Gold Polishing Compound 23201		✓	✓		✓	✓
PRO-TAS (motor, sharpening wheel, honing wheel)			✓			✓
Instructional DVD RS-VIDD	✓	✓	✓	✓	✓	✓
Operator's Manual RS-MAN	✓	✓	✓	✓	✓	✓

THE CORRU-GATOR

The Corru-Gator offers the fastest, easiest, and most efficient method of corrugating your right or left hand barber, pet grooming, and industrial scissors or shears. We recommend using the Corru-Gator in conjunction with the Ookami Gold® Scissors Sharpening System or the Twice As Sharp® Scissors Sharpening Systems.

The Corru-Gator comes fitted with a fine tooth diamond wheel. The fine tooth diamond wheel features 72 teeth per inch and lasts for approximately 100 - 200 scissors with light pressure. This wheel allows the user to create a corrugated cutting edge designed to cut industrial materials such as Kevlar®, Fiberglass, Carbon Fiber, aramids, ballistics materials, and other advanced textiles by holding the fibers in place which prevent it from sliding or bunching. A corrugated edge is also suitable for certain barber and pet grooming scissors where a corrugated finger blade is preferred.

The Corru-Gator also comes fitted with an arm and clamp assembly that can be set to match all possible angles on scissors and shears up to 14 inches in length. This allows you to confidently corrugate any shear to

the exact angle best suited to your customer's needs. If you ever have questions about angles or how to sharpen different styles of shears, the Corru-Gator comes with an in-depth manual that lists many of the best angles for each different style. If you need more help, give us a call for additional support.

The Corru-Gator comes with a comprehensive training DVD that will walk you through the steps of corrugating scissors. This training tool will teach you how to properly use your new equipment and produce quality results every time!



Example of Corrugated Blade

CORRU-GATOR MODELS:

110 VOLT WITH FINE TOOTH WHEEL

PART NUMBER:
CGTR-110

110 VOLT WITH COARSE TOOTH WHEEL

PART NUMBER:
CGTR-110C

220-240 VOLT WITH FINE TOOTH WHEEL

PART NUMBER:
CGTR-230

220-240 VOLT WITH COARSE TOOTH WHEEL

PART NUMBER:
CGTR-230C



EACH MODEL INCLUDES:

Sharpening Wheel
Honing Wheel
Shear Clamp
Arm Assembly #40000-15
Eye Shields #98-20100
Finger Guards #98-10140
Scissors Lubricant #20700
Pink Hone #20600
Dressing Brick #20620
Sales Poster #20400
Hex Wrench #20500
Angle Gage #23000
Safety Glasses #20300
Dust Mask #20200
Training DVD #28105-ID
Owner's Manual #TAS-12000



FINE TOOTH WHEEL

PART NUMBER:

7002270

*cuts approximately 72 teeth per inch



COARSE TOOTH WHEEL

PART NUMBER:

7002271

*cuts approximately 48 teeth per inch



STANDARD SHEAR CLAMP

PART NUMBER:

30004



ARM ASSEMBLY

PART NUMBER:

40000

DUST COLLECTOR

Stage 1 of the dust collector uses cyclonic action to catch most of the grinding dust in a pan. See the above pictures for a shot of this toroidal system and catch pan. Stage 2, the air goes through a disposable MERV 8 filter (minimum efficiency reporting value) and traps 70% - 80% of particles from 3 -10 microns.

The dust collector is moveable on industrial casters and the Twice As Sharp® can be used on the front or side of the dust collector. A plate prevents the blower on the opposite side from being blocked against a wall.

The system is easy to clean, easy to move, and helps keep the shop clean. Dust collection helps with worker safety by keeping the air cleaner and reducing respiratory issues. The unit includes the plenum, ducting, and adapters to fit the upgraded red Twice as Sharp scissors sharpener.

This is a great system for high volume sharpening by professional sharpeners in industrial, food, and manufacturing facilities.

- **Cyclonic dust collection system**
- **Merv 8 filter traps 70-85% of particles size 3-10 microns**
- **Ducting and Plenum to fit the Wolff Industries Twice as Sharp scissors sharpening system**
- **Plenum allows for sharpening from the front or side of the cabinet**
- **Keeps shop cleaner and reduces health risks**
- **The cabinet is portable thanks to the industrial strength casters.**
- **The power switch controls the dust collection and Twice as Sharp.**
- **The entire system runs off normal 110v.**
- **There is easy access for changing filters.**

Specs:

Shipping - Shipped on pallet by common carrier.

Dimensions - 20"w x 34"d x 36" h

Voltage - 115 ac. 60 hertz. 3.7 amps.

Wattage - 407 watts.

Blower Motor - Dual thermally protected blowers.

Stage 1 Filtration - Cyclonic dust collector with catch pan.

Stage 2 Filtration - MERV 8 filter traps 70-85% of particles size 3-10 microns.

Filter Size - 8" x 18" x 1" actual size.

Port Size - Single 6" dust port.

Connection - Plenum and ducting for the Twice as Sharp® scissors sharpener.

Power - Dual protected 110 volt outlets controlled by power switch.



SLOTTED FINGER GUARD SET

PART NUMBER:

98-20150



MERV 8 DUST FILTERS

PART NUMBER:

DC-FILTER (SINGLE)

DC-FILTER-CP (CASE OF 24 FILTERS)



3" HOSE ADAPTER RING

PART NUMBER:

DC-RING3



4" HOSE ADAPTER RING

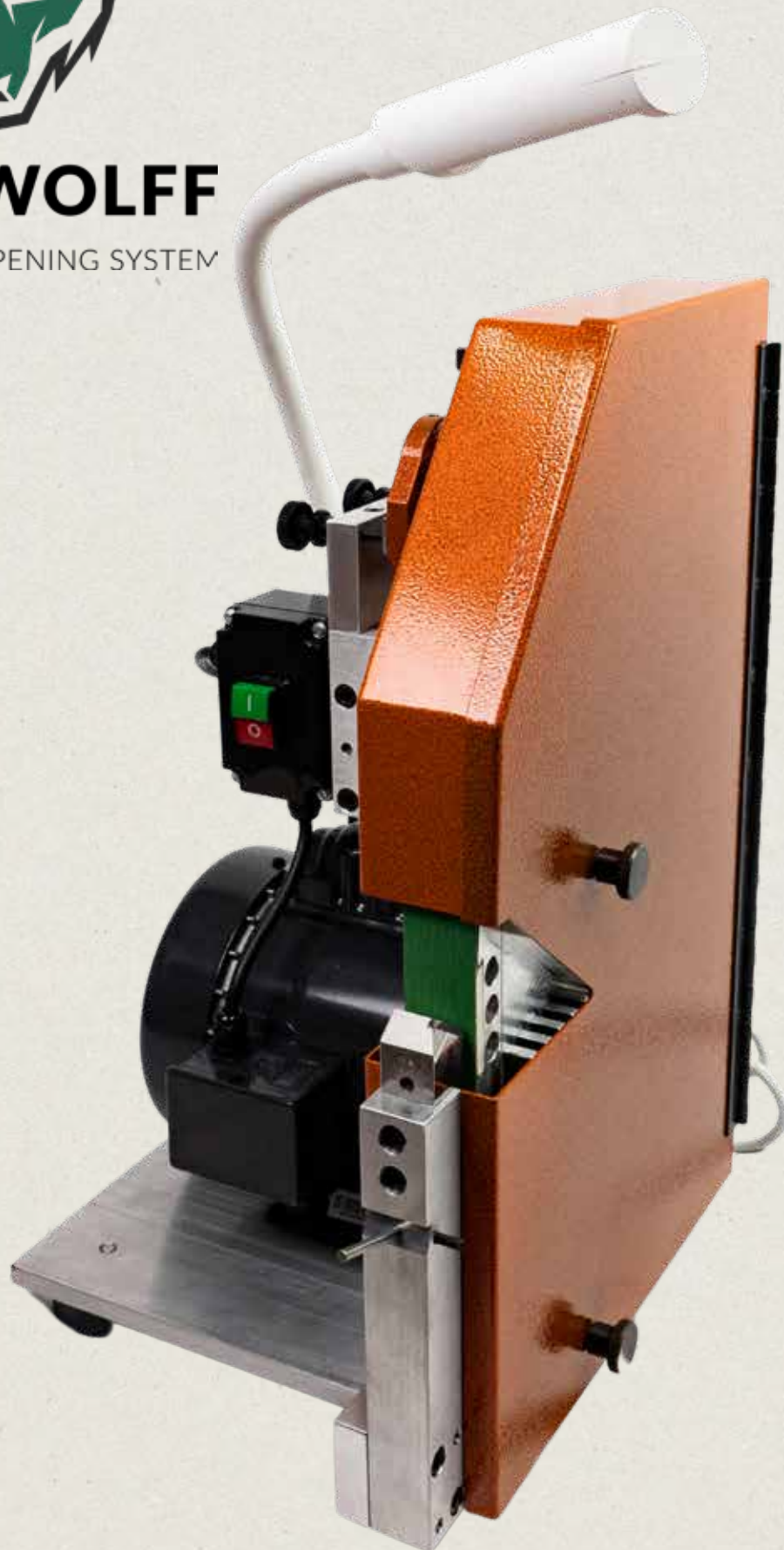
PART NUMBER:

DC-RING4



WEREWOLFF

SCISSORS SHARPENING SYSTEM



WEREWOLFF® SHARPENING SYSTEM

The Wolff Industries, Inc. Werewolff Sharpening System is the easiest, fastest, and most efficient method for sharpening a large volume of industrial scissors. Increase your sharpening speed and productivity by up to 70%. The included DLC coated guide block holds the shears at 35 degrees which is the best angle for combining strength with sharpness. The DLC coating also protects the shears from scratches during the sharpening process. The included Fels-Naptha bar provides lubrication for the belts that allows for the increased speed without generating more heat. Boost the value of your sharpening with the Werewolff Sharpening System.

- **Sharpen more scissors faster**
- **Simplified sharpening process**
- **Increase productivity by up to 70%**
- **Optimized for large volume sharpening**
- **DLC coated guide block for long lasting consistency**
- **The green belt is 120 grit Ceramic Ceramit**
- **The brown belt is 400 grit silicon carbide**

Specs:

HP - 1/2 hp

Speed - 3450 rpm

Power - 115 V, 60 Hz, 1 Amp

Belts - 120 grit Ceramic Ceramit

400 grit silicon carbide

Guide Block - DLC coated

Weight - 78 lbs

Free Technical Support

If you have any sharpening questions, call us toll free at 800-888-3832. Our staff has many years of sharpening and scissors manufacturing experience and we can answer most sharpening questions. We can also utilize our research department for more difficult problems.



DLC ANGLE GUIDE BLOCK

PART NUMBER:

WW13535



REPLACEMENT DEBURR ROD

PART NUMBER:

WW80005



400 GRIT HONING BELT

PART NUMBER:

WW80400



BELT LUBRICANT BLOCK

PART NUMBER:

WW80300



REPLACEMENT LED LIGHT

PART NUMBER:

ULF-1100TL



120 GRIT SHARPENING BELT

PART NUMBER:

WW80120

WOLFF® SCISSORS SHARPNESS TESTER

The Wolff Scissors Sharpness Tester certifies the quality and validity of your scissors sharpening. The test media simulates cutting through material at a known force of pressure. The software will plot the cutting pressure on a graph as it compares to that standard and applies a score. The system will measure sharpness of the blades from the pivot all the way through the tips. The data will help you to determine when to sharpen your scissors. It will also help quantify scissors maintenance and on-line sharpening methods.

- Certify the quality of your scissors sharpening
- Know when to sharpen your scissors
- Plots cutting pressure on a graph
- Provides an industry-standard score
- Sharp scissors reduce repetitive motion injuries



NEOPRENE TEST MEDIA
PART NUMBER:
ST3001



SCISSORS SHARPNESS TESTER
PART NUMBER:
WST-1000

ANAGO® KNIFE SHARPNESS TESTER

The most immediate benefit of the Anago Knife Sharpness Tester is that a true (i.e. accurate and objective) measurement of knife sharpness is obtained. No longer does a subjective technique such as paper cutting, thumb pressing or hair cutting/shaving need to be taken as an indication of a knife's sharpness.

As a direct result of using the feedback from the machine to optimise sharpening technique and maintain the improvement with monitoring, most users will double the knife sharpness levels across their plant, halving the required cutting force and hence the loading on workers' bodies.

- Significant reduction in cutting force is required resulting in less fatigue-related injuries.
- Cleaner more accurate cuts with less force.
- Raise the base level of skill to increase throughput.
- Improvement in yield – more meat off the bone.
- Have confidence by having access to accurate, objective data to set benchmarks across the team.

PART NUMBER:

KSTA230

MAX BLADE LENGTH:

12"

COMPUTER:

INTEGRATED



PART NUMBER:

KST300EAUTO

MAX BLADE LENGTH:

12"

COMPUTER:

EXTERNAL



GENUINE TEST MEDIA

PART NUMBER:

KST-TM-5



WOLFFTRAX® INVENTORY CONTROL

TOOL TRACKING AND ACCOUNTABILITY

The Wolfftrax Inventory Control System provides tool tracking and accountability to your facility. By assigning tools to positions or employees, you are able to more accurately track tools to reduce missing items, foreign material issues, while increasing employee accountability. With the hourly verification reports, you will now know when an item goes missing sooner than with traditional paper reporting.

The software collects various data about the tools such as the life cycle of the tool, when the tools should be scrapped, how many times the tool has been checked out, and more. The fast acting laser scanner allows for a quicker tool check out process and the software reduces the need for paperwork.

Reduce costs
Eliminate paperwork
Prevent foreign material

Types of Reporting:

- Life cycle reports
- Reconciliation reports
- Missing report
- Scrap report
- Hourly checks
- Daily scan reports

For more info on this system, please give us a call at 800.888.3832



KEYENCE HAND-HELD SCANNER
PART NUMBER:
BT-A700GA



KEYENCE USB/LAN CRADLE
PART NUMBER:
BT-AUC7UL



KEYENCE SPARE SCANNER BATTERY
PART NUMBER:
BT-AB1



KEYENCE 4 SLOT BATTERY CHARGER
PART NUMBER:
BT-ACG74

TRU-HONE® COMMERCIAL KNIFE SHARPENER

- **One minute knife sharpening**
- **Simultaneously sharpens both bevels**
- **Variable speed control**
- **Adjustable to several angles**
- **0.5 HP motor**
- **Stainless steel construction**
- **One year warranty**
- **Includes HW220 Honing Wheels on machine, Stand, 2 Drive Belts & Belt Tool**

Specs:

Motor - Universal, Series wound, 1/2 HP

Motor Control - Electronic full load feed back

Electrical - 1 phase, 120 volts, 5 amp, 50/60 Hertz

Assembly - Stainless steel case, base, shafts, sealed ball bearing

Dimensions - 6" H x 8" x 12" D

Weight - 19 lbs, shipping weight 23 lbs

Tru Hone has been manufacturing commercial knife sharpeners since 1973. Proudly built in Ocala, Florida, USA, our machines are used by professionals in many industries throughout the world. Our LC - Light Commercial Knife Sharpener uses two pair of contra-rotating honing wheels to simultaneously sharpen both bevels of a knife edge resulting in precisely sharpened knives in a fraction of the time required by other methods. The LC model is designed for intermittent knife sharpening.

Knife sharpening can be as up-to-date as the rest of your operation because the Tru Hone System gives you a perfectly sharpened blade in a fraction of the time required by old fashioned methods. Tru Hone has proven it can solve the cost and labor problems that outdated stone sharpening presents. It is designed to do the complete job - sharpening, thinning and honing - quickly, precisely and economically.

TRU-HONE MODELS:

110 Volt Light Commercial

PART NUMBER:

TRUHONE

220 Volt Light Commercial

PART NUMBER:

TRUHONE2



Dress the wheels for the Tru-Hone Light Commercial Knife Sharpener. Send your bumpy, out of round Tru-Hone wheels to Wolff Industries and we will make them round again. Brings back the smooth, even cutting you had when the wheels were new. 100/220 grit only.

Tru-Hone Wheel Dress

PART NUMBER:

WHL DRESS



220 GRIT WHEEL SET

PART NUMBER:

51000



100 GRIT WHEEL SET

PART NUMBER:

51100



1000 GRIT CERAMIC WHEEL SET

PART NUMBER:

51221



KNIFE SHARPENING POSTER

PART NUMBER:

51215



DRIVE BELT TOOL

PART NUMBER:

51211

DRIVE BELT

PART NUMBER:

51210



240 GRIT DIAMOND WHEEL SET

PART NUMBER:

51222

F. DICK® KNIFE SHARPENER

The F. Dick RS-150 Duo is a practical sharpener for use in commercial environments. It is as easy as it is effective. Just two stations and no adjustments necessary. Turn it on and draw the knife through the preset wheels for fast, safe and reliable sharpening. Whether it is in a professional kitchen, butcher shop, super market or any other food prep space, the RS-150 Duo will do the job.

The RS-150 Duo has two sets of wheels. The Diamond Grinding Wheels quickly establish an edge. The Hard Ceramic Honing Wheels refine the edge for smooth cutting. Whether you're sharpening a dull knife or keeping one in good cutting sharpness, The RS-150 Duo has you covered.



F. Dick RS-150 DUO
PART NUMBER:
FD-150DUO



FRIEDR DICK CERAMIC WHEEL SET
PART NUMBER:
FD-150-CER



FRIEDR DICK DIAMOND WHEEL SET
PART NUMBER:
FD-150-DIA

Free Technical Support

If you have any sharpening questions, call us toll free at 800-888-3832. Our staff has many years of sharpening and scissors manufacturing experience and we can answer most sharpening questions. We can also utilize our research department for more difficult problems.

NEBRASKA BLADES CLIPPER BLADE SHARPENER



The CS-101-2000 Professional Clipper Blade Sharpener takes the guess work out of sharpening hollow ground blades. With this time tested and proven machine, you will be able to sharpen 15 to 20 sets per hour. At \$6 per set, you can create a great part or even full time income.

The CS-101-2000 has a 14" double-sided precision ground aluminum honing plate. Depending on the condition of the blades, you can sharpen 700 to 1000 blades on each side of the plate before re-surfacing is necessary. The key to the CS-101's great performance is superior engineering. This machine has only three moving parts. No belts or pulleys to replace. Breakdowns and repairs are practically eliminated. The motor is a 1/2 HP single speed motor that turns 1725 RPM (220V available upon request at no additional cost).

The CS-101-2000 is built with 16-gauge steel construction and is equipped with handles for easier mobility. At 17.5" x 17.5" x 13" high it's a real space saver. It's self adjusting, no need for measuring blocks. Requires no special assembly.

CS-101-2000 Sharpening Machine Complete comes with enough supplies to sharpen 1000 blades

Don't forget the Spring Tension Adjusting Tool (STAT) for adjusting clipper blades. Add tension to a clipper blade's spring without having to take the whole clipper blade apart. The t-bar design of the tool allows you to apply force with little effort. This is a great time saving tool.



Add tension to each side of the spring



Easily slip cutter blade back into place

110 VOLT CS-101 SHARPENER

PART NUMBER:
CS-101

220 VOLT CS-101 SHARPENER

PART NUMBER:
CS-101-220

INCLUDES:

Machine
14" Micro-Serrated Aluminum Double-Sided Plate
One Pound Premium Honing Powder
Plate Charging Block
Small Powerful Magnet
Deluxe Socket Setting Gauge
8oz Plate Lubricant/Cleaner
8oz Spray Adhesive
2oz Clipper Blade Start-Up Oil
100 Plastic Bags to Return Sharpened Blades
One and a Half Hour Training DVD
Sample Test fur & Test String



SPRING TENSION ADJUSTING TOOL
PART NUMBER:
WCL0001



DE-MAGNETIZER
PART NUMBER:
DM-101



GRIT APPLICATOR PAD
PART NUMBER:
GAP-101



BLACK CS-101 COVER
PART NUMBER:
CS-101-COVER

INSTRUCTIONAL VIDEOS & MANUALS

Instructional Videos	Part #
Classic Twice as Sharp Instructional DVD (Original training by Lee Wolff)	#28105-D
Industrial Twice as Sharp Instructional DVD	#28105-ID
Hira-to Instructional DVD	#FH-DVD
Rotary Blade Sharpener Instructional DVD	#RS-VIDD
Ookami Gold Instructional DVD	#28401-D
CS-101 Clipper Blade Sharpener Instructional DVD	#VIDEO-101D
Corru-gator Instructional DVD	#702600

Please contact us for digital downloads of the training videos. Also, be sure to check out our Wolff Industries YouTube Channel for additional training. We cover in-depth live streams, tips and tricks, and more: www.youtube.com/wolffindustries

Operator's Manuals	Part #
Twice as Sharp Operator's Manual	#TAS-12000
Twice as Sharp Operator's Manual (Spanish)	#TAS-12000S
Hira-to Operator's Manual	#FH-MANUAL
Ookami Gold Operator's Manual	#13000
Corru-gator Operator's Manual	#7002500

All Operator's Manuals are available online in .PDF format at:
www.wolffindustries.com/pages/product-manuals

Free Technical Support

If you have any sharpening questions, call us toll free at 800-888-3832. Our staff has many years of sharpening and scissors manufacturing experience and we can answer most sharpening questions. We can also utilize our research department for more difficult problems.



STANDARD SHARPENING WHEEL

PART NUMBER:

27000

100 grit aluminum oxide provides the greatest sharpening results.



LAWNMOWER SHARPENING WHEEL

PART NUMBER:

27146

46 grit silicon carbide wheel that removes stock very quickly.



STANDARD BUFFING WHEEL

PART NUMBER:

25000

Good for fabric and home use scissors. It is excellent for polishing burrs off sewing hooks and other items.



INDUSTRIAL HONING WHEEL

PART NUMBER:

25280

Great for larger shears while being quick and easy to use. It is recommended for industrial use.



PROFESSIONAL HONING WHEEL

PART NUMBER:

25200

Recommended for pet grooming, fabric, and beveled barber and beauty shears.



OOKAMI GOLD POLISHING WHEEL

PART NUMBER:

25100

For use with the #23201 polishing compound on convex edge shears.



240 GRIT DIAMOND SHARPENING WHEEL

PART NUMBER:

27324

Comes with surface-ground flange and aluminum oxide cleaning stick.



400 GRIT DIAMOND SHARPENING WHEEL

PART NUMBER:

27340

Comes with surface-ground flange and aluminum oxide cleaning stick.



600 GRIT DIAMOND SHARPENING WHEEL

PART NUMBER:

27360

Comes with surface-ground flange and aluminum oxide cleaning stick.



800 GRIT DIAMOND SHARPENING WHEEL

PART NUMBER:

27380

Comes with surface-ground flange and aluminum oxide cleaning stick.



FINE TOOTH CORRUGATING WHEEL

PART NUMBER:

7002270

Approximately 72 teeth per inch and typically lasts for 100-200 scissors.



COARSE TOOTH CORRUGATING WHEEL

PART NUMBER:

7002271

Approximately 48 teeth per inch and typically lasts for 100-200 scissors.

WHEELS AND ACCESSORIES

Free Technical Support

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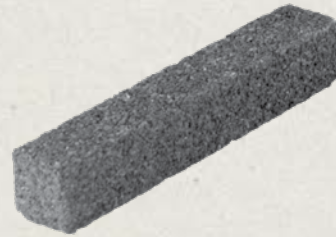


T-BAR WHEEL DRESSER

PART NUMBER:

T-BAR

Diamond plated and used to dress out of round wheels. Do not use on diamond wheels!



DRESSING BRICK

PART NUMBER:

20620

Used for dressing out of round wheels. Do not use on diamond wheels!

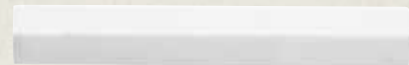


RUST ERASER

PART NUMBER:

ERASER

Used to erase rust and tarnish from stainless steel scissors.

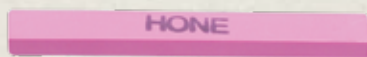


DIAMOND WHEEL CLEANING STICK

PART NUMBER:

20625

Made of aluminum oxide and is used to clean diamond wheels.

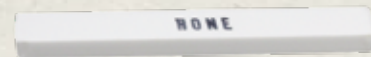


PINK HONE

PART NUMBER:

20600

Made of pink diamondite. Removes damage on the inside of the cutting edge.



FINE WHITE HONE

PART NUMBER:

20601

Fine ceramic hone for removing burrs. Good for barber and beauty shears.

STANDARD SHEARS CLAMP

PART NUMBER:

30004 (STANDARD KNOB)

30007 (ERGONOMIC KNOB)

The standard shear clamp and is used for all general-purpose scissors.



NARROW SHEARS CLAMP

PART NUMBER:

30005 (STANDARD KNOB)

30008 (ERGONOMIC KNOB)

The narrow shear clamp is used for small surgical, embroidery, and small curved scissors.



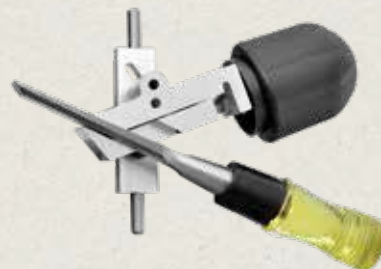
WIDE SHEARS CLAMP

PART NUMBER:

30003 (STANDARD KNOB)

30006 (ERGONOMIC KNOB)

This clamp is used for larger tools such as chisels, osteotomes, and similar tools up to 1/2" thick and 1 1/2" wide.



Ookami Gold Convexing Clamp and Replacement Parts

CONVEXING CLAMP

PART NUMBER:

30009 (ERGONOMIC KNOB)

Blend and feather the polished convex edge faster and easier by incrementally stepping up the angle by rotating the clamp.

The Ookami Gold® Convexing Clamp simulates factory sharpening with the benefit of a positive stop to prevent polishing over the cutting edge. The infinitely adjustable angle allows the professional sharpener to uniformly convex the entire blade as desired up to the spine. The detent locks the clamp to an adjustable preset sharpening angle to sharpen a standard bevel edge.



LOWER JAW

PART NUMBER:

33009



DETENT BLOCK

PART NUMBER:

31009

with stop and set screws



UPPER JAW AND DETENT

PART NUMBER:

30009



CLAMPS AND PARTS

ERGONOMIC KNOB

PART NUMBER:

36001

The Ergonomic Knob is covered in a soft rubber to be a more comfortable fit in the hand and it requires less pressure to tighten. The spacers and spring are included. This replacement knob fits any of the shears clamps.



STANDARD KNOB

PART NUMBER:

36000

Spacers and spring included



UPPER JAW FOR STANDARD CLAMP

PART NUMBER:

32004



LOWER JAW FOR STANDARD CLAMP

PART NUMBER:

33004



UPPER JAW FOR NARROW CLAMP

PART NUMBER:

32005



LOWER JAW FOR NARROW CLAMP

PART NUMBER:

33005



UPPER JAW FOR WIDE CLAMP

PART NUMBER:

32003



LOWER JAW FOR WIDE CLAMP

PART NUMBER:

33003



SMALL KNOB FOR UPRIGHT

PART NUMBER:

36500

Spacers included



UPRIGHT BAR

PART NUMBER:

34000

Knob and spacers included



ARM ASSEMBLIES

PLEASE NOTE: The use of machinery or parts made by Wolff Industries, Inc. on other machinery or in connection with parts not made by Wolff Industries, Inc. can expose the user to bodily injury. Some manufacturers make machinery with reversible motors which could eject sharpened shears or throw grit, metal, or other harmful objects into the eyes or face of the user. Our policy is not to sell replacement arms separate from the sharpener. They are not made to be used on any other type of equipment. Any such use will void the warranty. The arms can wear after several years of use. We know that you cannot be without your sharpener, so we offer a trade-in plan. When purchasing a replacement arm, please provide your serial number and **return the worn arm for a \$40 credit.**

ARM SET FOR THE RED TWICE AS SHARP PART NUMBER:

40000-15

Standard replacement arm for all general-purpose scissors. Available as an exchange only. Please provide Twice as Sharp serial number. \$40.00 credit when "worn" arm is returned.



ARM SCREW AND WASHERS

PART NUMBER:

44901-15



ARM SET FOR THE TEAL TWICE AS SHARP PART NUMBER:

40000-15

Standard replacement arm for all general-purpose scissors. Available as an exchange only. Please provide Twice as Sharp serial number. \$40.00 credit when "worn" arm is returned.



ARM SCREW AND WASHERS

PART NUMBER:

44901



LONG ARM SET FOR THE RED TWICE AS SHARP PART NUMBER:

49000-15

Long arm is great for sharpening items 14" to 32" long. Great for paper cutter blades. Available as an exchange only. Please provide Twice as Sharp serial number. \$40.00 credit when "worn" arm is returned.



ARM SCREW AND WASHERS

PART NUMBER:

44901-15



LONG ARM SET FOR THE TEAL TWICE AS SHARP PART NUMBER:

49000-15

Long arm is great for sharpening items 14" to 32" long. Great for paper cutter blades. Available as an exchange only. Please provide Twice as Sharp serial number. \$40.00 credit when "worn" arm is returned.



ARM SCREW AND WASHERS

PART NUMBER:

44901



SHARPENING ACCESSORIES



CHAMOIS SCISSORS WIPES

PART NUMBER:

23510
3 pieces 5" x 7"



FLITZ METAL POLISH

PART NUMBER:

FLITZ-50
50 gram tube. Non-abrasive, non-toxic, non-flammable metal and fiberglass polish. Last up to 6 months!



THREAD AND NUT LOCK

PART NUMBER:

23301
0.338 ounces. Lock screws in place, but still adjustable. Screw will not work loose with normal use. 24hr cure time.



SCISSORS LUBRICANT

PART NUMBER:

20700
1.25 ounces. Alcohol-based pivot lubricant and cleaner.
20715 (empty bottle)



SCISSORS LUBRICANT

PART NUMBER:

20800
16 ounces. Alcohol-based pivot lubricant and cleaner.
20800C (California only)



ICKEE STICKEE UNSTUCK

PART NUMBER:

20900
16 ounces. 100% biodegradable. Removes spray adhesive, gum, tar, oil, and marker with a fresh citrus scent.



SCISSORS REPAIR PARTS KIT

PART NUMBER:

21600
Comes in a plastic case with an assortment of 24 repair parts.



SMALL REPAIR PARTS KIT

PART NUMBER:

21500
An assortment of bumpers, rides, and washers.



PRO SERIES MAGNIVISOR DELUXE

PART NUMBER:

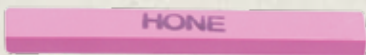
MAG104
Hands-free, head-worn magnifier with 4 different magnification lenses.



STRING TAGS

PART NUMBER:

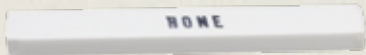
23010
Tags include serial numbers and are perforated. 500 tags per package.



PINK HONE

PART NUMBER:

20600
Made of pink diamondite. Removes damage on the inside of the cutting edge.



FINE WHITE HONE

PART NUMBER:

20601
Fine ceramic hone for removing burrs. Good for barber and beauty shears.

SHARPENING ACCESSORIES



100 WATT LAMP

PART NUMBER:

23501

Light source for seeing burrs and cutting edges. Mounts to the Twice as Sharp. 23504 (mounting hardware)



DUAL LENS MAGNIFIER

PART NUMBER:

23503

Dual power lens that attaches to the Twice as Sharp with an 18" flexible arm. 23504 (mounting hardware)



MAGNIFIER SHADE LAMP

PART NUMBER:

23505 (Dual Lens)

23506 (Single Lens)

Attaches to #23501 100 Watt Lamp. Image shows the mount attached to the lamp.



DELUXE PLIERS KIT

PART NUMBER:

20940

Contains pliers, 8 bits, and thread and not lock in protective plastic case. 20941 (Plastic case only)



STANDARD PLIERS KIT

PART NUMBER:

20920

Includes pliers and 2 bits (9/64" and 7/32") in a resealable plastic sleeve. 20959 (8-piece bit set)



UBERLIGHT FLEX

PART NUMBER:

ULF-3200TL

UberLight Flex LED task light with USB power adaptor and C-clamp



SMALL CHANNEL LOCKS

PART NUMBER:

20910

4 1/2" Adjustable pliers. Works well on slotted nuts on pinking shears.



ANGLE GAGE

PART NUMBER:

23000

Quick reference chart for industry cutting angle standards.



SALES POSTER

PART NUMBER:

20400

Durable, fade resistant, heavy-weight plastic.



SHARPENING POSTER

PART NUMBER:

PSP100

Laminated 18" x 26" poster that outlines scissors sharpening poster with Spanish on the opposite side.



SAFETY GLASSES

PART NUMBER:

20300

Protects your eyes while sharpening. Style may vary based on manufacturer availability.



FACE MASK

PART NUMBER:

20200

Protects your lungs while sharpening. Style may vary based on manufacturer availability.

CORRUGATING

These hand files are used to cut corrugations into fabric, industrial, and barber shears. Use these files to serrate the edge of the scissors for easier cutting of hair and hard-to-cut woven fabrics.

Hand files, also called 'full-size' files, feature a larger cutting surface that is longer and wider than other file types and are ideal for fast, efficient removal of material from the scissors cutting edge.

These files are made of tough chrome/tool steel alloy and precisely machined to yield sharp corners and fine points. These files have deep-cut teeth that provide efficient, uniform stock removal; they are 66–67 HRC hardness for exceptional service with minimal care.



FINE TOOTH DIAMOND FILE

PART NUMBER:

22200

22201 (Fits the corrugating fixture)



COARSE TOOTH DIAMOND FILE

PART NUMBER:

22300

22301 (Fits the corrugating fixture)



REPLACEMENT NYLON JAWS

PART NUMBER:

23441

Helps prevent scratching on fine scissors.



Example of Corrugated Blade



PANAVISE BENCH CLAMP

PART NUMBER:

23410

Vise screws to the clamp which can be attached to any work surface.



PANAVISE®

PART NUMBER:

23400

Tilts, rotates, and turns in any direction to match the angle on scissors to be corrugated. Screws to your workbench.



PANAVISE LOW BASE

PART NUMBER:

23410

Base is 1" lower than the standard Panavise.



REPLACEMENT HEAD

PART NUMBER:

23440

Replacement for the standard Panavise clamp head.

SET ADJUSTING TOOLS

BRASS HAMMER

PART NUMBER:

23100

Weighing only 24 ounces, the soft brass will not damage the finish on shears. It is used for set adjusting and on sizing handles.

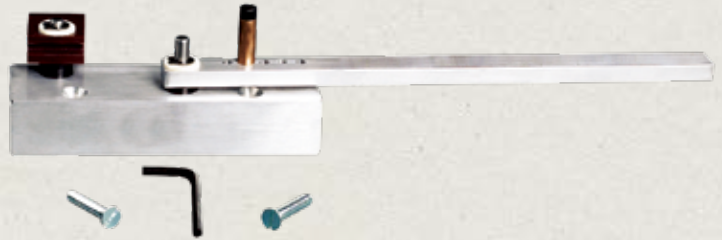


HANDLE BENDER

PART NUMBER:

HB-01

Easily bends shears handles to match tips. It helps reduce chance of handle breakage. Great for use on small metal handles scissors or shears.



BRASS SET ADJUSTING TOOL

PART NUMBER:

23111

Perfect for adjusting set in smaller scissors blades. This unit is ideal for industrial shears. The durable brass will not damage the finish on shears. It screws to the work bench for use.



SET ADJUSTING TOOL

PART NUMBER:

23110

Perfect for adjusting set in smaller scissors blades. This unit is ideal for barber, beauty, and grooming shears. The durable and tough polyurethane does not damage the finish on edges. It screws to the work bench for use.



SCISSORS PRESS ACCESSORY - COMPLETE

PART NUMBER:

SPA111

The press is used to put set in larger scissors. The complete kit includes a 1 ton arbor press by Dayton and the accessory kit. The neoprene block prevents damage to the finish on the shears.



PRESS ACCESSORY KIT ONLY

PART NUMBER:

SPA110

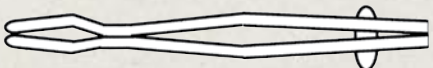


A pair of scissor blades are kind of like a spring and there is tension between the two blades. The set in scissors is what transfers the pivot hardware's tension down the length of the blades to the tip. That way there is consistent blade tension. If you hold the shear up to a light source, you should see the light shine between the blades. Slowly open and close the blades and you should see a single point of contact run up and down the blades. If you see any flat areas or places where it doesn't touch then you probably need to work on the set. If the material overcomes the tension on the shears, it will spread the blades and fold. If you know that the blades are sharp and there is no blade damage, then you probably don't have enough set in your scissors.

Set Example:



NO GOOD - No gap under the pivot. One blade is straight and the other has too much set (curve).



NO GOOD - The blades come together in the middle and leave a gap near the tips that will not cut.



GOOD - There is a gap under the pivot and proper set to the tips. The gap = .006" to .012" which is about 2-4 sheets of paper.

Free Technical Support

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FREQUENTLY USED TOOLS



5/32 ALLEN WRENCH
PART NUMBER:
20500



KAI 7000 PIVOT HARDWARE WRENCH
PART NUMBER:
7000-WRENCH



2.2 MM DRILL BIT
PART NUMBER:
21590



2.45 MM DRILL BIT
PART NUMBER:
21591

Sharpening Services

Wolff Industries, Inc. provides various sharpening services including industrial shears, food processing shears, rotary blades, and more. We also have the ability to create a custom sharpening solution for different types of blades. We have developed solutions for carbon steel loom blades, rotary blades, air cutters, and more. Please contact us with your custom sharpening work and if we don't have a way to sharpen it, then we will create a way!

We can sharpen:

Industrial Scissors
Food Processing Shears
Rotary Blades
Meat Cutting Blades
Loom Blades
Air Cutter Blades
Custom Blades



Sharpening Training Center



Wolff Industries, Inc. provides hands-on scissors sharpening training. The Training Center is staffed and equipped to provide training to those wishing to acquire professional scissors sharpening and reconditioning skills. We limit class attendance to ensure an enjoyable and beneficial course of personalized, individual instruction. This is an excellent opportunity to learn how to sharpen for profit, to hone your sharpening skills, and to have your sharpening questions answered. Lunch is included!

Instruction is available for the following:

- Types and styles of shears
- Safety while sharpening
- Operation of Twice As Sharp® Scissors Sharpener
- Operation of OOKAMI GOLD® Scissors Sharpener
- Operation of HIRA-TO® Scissors Sharpener
- Clipper blade sharpening
- Sharpener maintenance
- Scissors repair and reconditioning
- Sales and marketing

Terms, Materials, & Education

Balance: The final adjustment steps of scissors and shears are referred to as balancing or finishing.

Bearing: Any material between the screw and the blade it pivots on is a bearing. This may be a nylon washer or a tiny ball bearing.

Carbide: Carbide is fine particles of metal combined with carbon. It is harder and more brittle than hardened steel. Because of its hardness, it is used for masonry drill bits and metal cutting saws.

Carbon Steel: Carbon steel is iron (FE) with about .5% - .8% carbon added for hardening. A carbon content that is too high causes extreme brittleness.

Ceramic: Ceramic is a porcelain-like material, (usually with a high alumina content), pressed from a powder and fused at a high temperature. Ceramics are very hard and have a long wear life, but are also brittle and subject to breakage and chipping. Ceramic shears are best returned to the importer for sharpening.

Corrugation: Corrugations are small teeth on the scissors cutting edge (one or both blades) that provide holding power to keep the material (hair, fabric, etc.) from sliding.

Hardening: Martensitic (hardenable) steels are heated to 1550 degrees F for carbon steel and 1950 - 1975 degrees F for stainless. They are then quenched rapidly. Carbon steel is usually heat treated in salt pots, by immersing blades to just past the ridge. This leaves the handles soft so that they can be bent to size the tips. Stainless steel is often done the same way. When stainless is hardened in a vacuum oven, the entire blade and handle are hardened. It is hard to bend these handles without breaking them. After quenching, blades are ice-tempered to about -100 degrees F. This converts retained austenite (soft) particles to hard martensite. The steel is now very

hard, but extremely brittle and must be drawn in an oven at 375 - 400 degrees F for about 1 hour to make it flexible (ductile).

Hardness: Metal hardness is measured using the Rockwell C scale. Good quality shears 54 - 60 (sometimes 61-62), Files 60 - 62, Drill bits 52 - 55.

Hot-dropped Forged: Forged shears are stamped to shape while the metal is red hot (soft). This produces high carbon shears that are good to high quality. Most large tailor and industrial shears are made this way.

Knife Edge Shears: Knife edge shears have two angles. One blade at about 20°, is called the "anvil" or flat blade. The other blade, the knife edge, is about 50°. Knife edge shears are used to cut through thick materials like upholstery fabric. It is most common to find a knife edge on metal bent trimmers 8" and larger.

Left Hand Shears: The handle is designed for left hand use but the blades are not reversed. This is a right hand shear with a left hand handle.

True Left Hand Shears: True left hand shears have the blades reversed.

The thumb blade is on the right hand side of the finger blade. Some shears claim to be left hand, but are really true right hand shears with handles made to fit the left hand.

Length: Scissors and shears are measured overall from tip to the end of the handle (including any tang or finger rest).

Pivot: A pivot can be any fastening device that holds the scissors blades together.

Stainless Steel: Stainless steel is made from steel with 11% to 18% chromium added for high quality and hardness. Stainless steel shears have 16% to 18% chromium. Also, the addition of manganese and molybdenum add hardness and toughness. Cobalt may be added for improved feel and toughness.

Stamped: The shears blades are stamped from rolled steel using a formed die. These are the lowest cost shears to produce and are often very durable, but may not be as smooth feeling. Most plastic handle fabric shears are made this way.

Steel: Iron with carbon and other elements added.

Titanium: Titanium is a gold colored microscopic coating added to shears to improve wear life.

More information available at wolffindustries.com

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I want to say thank you to our many customers who have supported us and helped us be successful over these last 40 years. Wolff Industries, Inc. was founded in 1982 by my father, Lee Wolff, the inventor of the Twice As Sharp® Scissors Sharpener. The legacy he left us with is to value the customer with quality service and products.

Many new products including the best industrial scissors have been added over these many years and I am excited to see what the next 40 years will bring.

Sharpest regards,

David Wolff
CEO, Wolff Industries, Inc.



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