



the balance of **power**

Power Scaling Guide

Symmetry Piezo Scaling Tips
& SWVEL Direct Flow Ultrasonic Inserts

Hu-Friedy[®]

FIRST BECAUSE WE LAST.[®]

The leader in periodontal scaling introduces
two new breakthrough technologies



Hu-Friedy®

FIRST BECAUSE WE LAST®

Hu-Friedy – the world leader in scalers and curettes – introduces Symmetry Piezoelectric Tips and Swivel Direct Flow Magnetostrictive Inserts.

Symmetry Piezo Ultrasonic Scaling Tips – The first Piezo tips that deliver superior scaling efficiency at all recommended power settings, with unmatched durability.

Swivel Direct Flow Inserts – The ultimate ultrasonic insert. Revolutionary SWIVEL technology is now offered with a “through-tip” water delivery that focuses the water flow directly to the tip.

Regarding the efficacy of removing calculus, a review of collective studies reveals...

“The best results are probably obtained by combining sonic/ultrasonic instrumentation with manual scaling.”*

*Annals of Periodontology, Proceedings of the 2000 World Workshop in Periodontics, Non-Surgical Pocket Therapy: Mechanical. Charles M. Cobb

Hu-Friedy – the world leader in scalers and curettes – bringing innovation to your world



 **Symmetry**
PIEZO SCALING TIPS



New Symmetry Piezo Scaling Tips

Our special blend of stainless steel works in harmony with your generator's sonic energy to optimize vibration for superior scaling efficiency and unmatched durability. S-Series tips are compatible with all Satelec generators. E-Series tips are compatible with all EMS generators.

Generating Perfect Harmony.



SCALING



S10 Universal

E-SERIES: UES10

S-SERIES: USS10

Standard diameter tip used to remove heavy supragingival deposits.



P Universal

E-SERIES: UEP

S-SERIES: *not available*

Standard diameter tip used to remove moderate to heavy deposits located supragingivally and in shallow pockets.





P10 Universal

E-SERIES: *not available*
S-SERIES: USP10

Standard diameter tip used to remove light deposits and plaque. Tip features smooth edges for safe removal of soft and hard deposits.



100 Universal

E-SERIES: UE100
S-SERIES: US100

Probe-sized tip used to remove light deposits in shallow to moderate pockets and for periodontal maintenance.



Universal Perio

E-SERIES: *not available*
S-SERIES: **USU**

Thin tip used to remove light deposits and plaque. Tip features smooth edges for safe removal of soft and hard deposits.



100 Universal Modified

E-SERIES: **UE100M**
S-SERIES: *not available*

Thin tip used to remove light deposits and plaque. Tip features smooth edges for safe removal of soft and hard deposits.



Left Perio

E-SERIES: *not available*
S-SERIES: US4L

Standard diameter contra-angle tip
used to remove calculus on all
surfaces of premolars and molars,
especially difficult to reach
interproximal surfaces.



Right Perio

E-SERIES: *not available*
S-SERIES: US4R

Standard diameter contra-angle tip
used to remove calculus on all
surfaces of premolars and molars,
especially difficult to reach
interproximal surfaces.



PERIO and DIAMOND-COATED

3 Perio

E-SERIES: UEP3
S-SERIES: USP3

Thin-bladed curette-like tip used to remove heavy deposits and necrotic cementum on anteriors and premolars.



Left Diamond

E-SERIES: UE2LD
S-SERIES: US2LD

Thin, contra-angle diamond-coated finishing instrument used for removal of residual debris and designed to enhance access to deep periodontal pockets and furcations.





Right Diamond

E-SERIES: UE2RD
S-SERIES: US2RD

Thin, contra-angle diamond-coated finishing instrument used for removal of residual debris and designed to enhance access to deep periodontal pockets and furcations.



Straight Diamond

E-SERIES: UE1D
S-SERIES: US1D

Thin, straight diamond-coated finishing instrument used for removal of residual debris and designed to enhance access to deep periodontal pockets primarily in anterior areas.



GUARDIAN WRENCH/TIP CARRIER



Scaling Wrench/Tip Carrier



Perio Wrench/Tip Carrier

GUARDIAN

Scaling and Perio
Wrench/Tip Carrier*

Symmetry Piezo Tips come with the Guardian Tip Carrier – an innovative torque-limiting wrench/tip carrier designed for remarkably safe and easy connection to the handpiece.

USAGE:

Tips contained in a BLUE wrench should be used on low to medium power (in Scaling mode if applicable).

Tips contained in a GREEN wrench should be used on low power only (in Perio mode if applicable).

Refer to Power Setting Cross Reference on page 24 for equipment specific power settings.

PATENT PENDING

For Replacement
Guardian, ask for
PART CODE: **USRTW**

*Color of the Guardian indicates equipment application mode (if applicable). Refer to your equipment for Scaling and Perio application mode.

The exclusive power range indicator alerts the clinician to required power setting for optimal tip performance.

- SAFE:** Tip is recessed in the Guardian Tip Carrier to minimize the risk of injury when attaching the tip to the handpiece.
- EASY:** Simply twist the Guardian Tip Carrier clockwise until you hear the “click” sound to ensure the tip is securely attached to the handpiece.
- CONVENIENT:** Protect your tip during cleaning and sterilization in the Guardian Tip Carrier.



Hu-Friedy
MAGNETOSTRICTIVE
ULTRASONIC INSERTS

Hu-Friedy Magnetostrictive Scaling Inserts

Efficient at Lower Power Ranges

Allows you to turn down the power to increase patient comfort and still achieve efficient, thorough scaling.

Color-Coded Handles

Colorful resin handles help instantly identify tip design and increase tactile sensitivity.

Water Delivery Options

Choose from 4 water delivery options for your preferred combination of spray and lavage.

Hu-Friedy magnetostrictive inserts are compatible with all Cavitron® and Cavitron-compatible generators.



SWIVEL

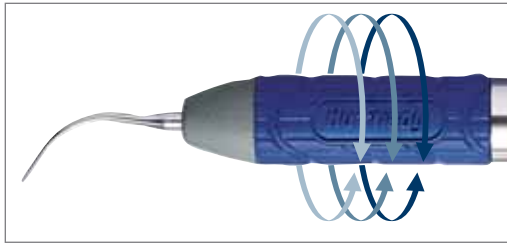
SWIVEL INSERTS

*Hu-Friedy exclusive inserts –
revolutionizing the art of power scaling*

WATER DELIVERY: INTERNAL FLOW
FROM BASE OF TIP

No need to stop scaling to adjust the insert.
SWIVEL inserts reduce the drag from the
handpiece cord, increasing overall balance for
hassle-free scaling.

A large diameter grip reduces finger
pinching, resulting in less hand fatigue*
and enhanced tactile sensitivity.



*Source: Gerwatowski, L.J., McFall, D.B., Stach, D.: Carpal Tunnel Syndrome; Risk Factors and Preventive Strategies for the Dental Hygienist. Journal of Dental Hygiene, February 1992.

25kHz Part Code
30kHz Part Code



#10 Universal

UI25SS10

UI30SS10



#100 Thin

UI25SS100

UI30SS100



#1000 Triple Bend

UI25SS1000

UI30SS1000

SWIVEL DIRECT FLOW

MAGNETOSTRICTIVE

SWIVEL DIRECT FLOW INSERTS

The Ultimate Ultrasonic Insert

WATER DELIVERY: THROUGH-TIP

SWIVEL Direct Flow inserts have all of the features of the revolutionary SWIVEL inserts plus unsurpassed through-tip water delivery. This design focuses the water flow directly to the tip, reducing excess spray and increasing visibility.

A special blend stainless steel alloy improves reliability for a longer life. These inserts also feature a longer 30kHz grip to improve grasp, access and adaptability in posterior areas.

Reach deep into pockets and achieve efficient subgingival scaling with the thin tips of the After Five Straight, Left and Right inserts. These probe-size tips enhance access into periodontal pockets.



#10 Universal

UI25SD10

UI30SD10



#100 Thin

UI25SD100

UI30SD100



Left

UI25SDL

UI30SDL



Straight

UI25SDS

UI30SDS



Right

UI25SDR

UI30SDR

(Left, Straight,
and Right)

Set of Three

UI25SDSET

UI30SDSET

25kHz Part Code

30kHz Part Code

STREAMLINE

STREAMLINE INSERTS

Efficient at low to medium power settings

WATER DELIVERY: INTERNAL FLOW
FROM BASE OF TIP

Routine scaling is more efficient with our Streamline inserts, even at lower power settings. The water is delivered directly from the tip base, eliminating the need for an external water tube. The beveled edges of the #1000 Triple Bend make it ideal for removing tenacious stain and calculus. The #3 Beavertail design is excellent for removal of gross calculus and orthodontic cement.



#10 Universal

UI1025K

UI1030K



#100 Thin

UI25K100S

UI30K100S



#1000 Triple Bend

UI100025K

UI100030K



#3 Beavertail

UI325K

UI330K

25kHz Part Code

30kHz Part Code

ORIGINAL PROPHY

MAGNETOSTRICTIVE

ORIGINAL PROPHY INSERTS

The Original Ultrasonic Insert

WATER DELIVERY: EXTERNAL OR
EXTERNAL FIXED

Designed for the removal of all types of debris.



Original Prophy

UI25KP10

UI30KP10

Original Prophy PLUS

UI25KP10P

UI30KP10P

25kHz Part Code

30kHz Part Code

AFTER FIVE PLUS

AFTER FIVE PLUS INSERTS

Thinner probe-like tip design

WATER DELIVERY: EXTERNAL OR
EXTERNAL FIXED

Reach deep into pockets and achieve efficient subgingival scaling with these thin tips, exclusively from Hu-Friedy. Probe-size tips (same tip design as the After Five inserts) enhance access into periodontal pockets.

also available in metal handle



FURCATION PLUS

MAGNETOSTRICTIVE

FURCATION PLUS INSERTS

0.8mm ball end design adapts to furcations

WATER DELIVERY: EXTERNAL OR EXTERNAL FIXED

Ball end offers greater tip surface area for gentle, more thorough debridement in this difficult to reach area. In the PLUS insert, the water tube is fixed within a lightweight resin handle for hassle-free water delivery.

also available in metal handle



Furcation PLUS Left

UI25KFPL

UI30KFPL



Furcation PLUS Straight

UI25KFPS

UI30KFPS



Furcation PLUS Right

UI25KFPR

UI30KFPR

25kHz Part Code
30kHz Part Code

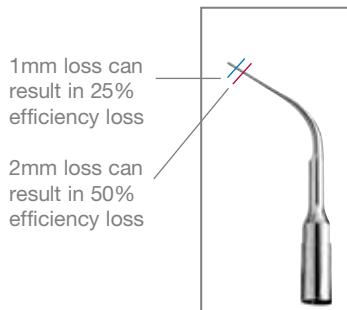
Set of Three

UI25KFPSET

UI30KFPSET

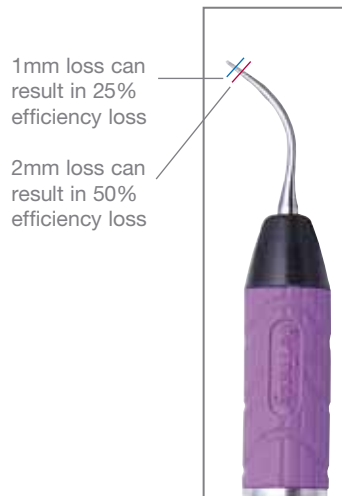
Scaling efficiency can significantly diminish with worn insert tips. Inferior performance and poor water delivery can result from worn, damaged, bent, or altered tips. For optimal scaling efficiency, we recommend checking inserts regularly for signs of wear.

REPLACEMENT OF WORN INSERTS - ACTUAL SIZE GUIDE



#100 Universal

REPLACEMENT OF WORN INSERTS - ACTUAL SIZE GUIDE



#10 Universal

POWER SETTINGS CROSS REFERENCE:

HU-FRIEDY	APPLICATION				POWER			
TIP	HU-FRIEDY	SATELEC	NSK	POWER	SATELEC P5	SATELEC SP NEUTRON	NSK VARIOS	EMS MINI-PIEZON
USS10	SCALING	SCALING	SCALING	MED	7 - 9	8 - 10	Min - 3	
UES10	SCALING			MED				1 - 6
USP10	SCALING	SCALING	SCALING	MED	7 - 8	8 - 10	Min - 3	
UEP	SCALING			MED				1 - 6
US100	SCALING	SCALING	SCALING	MED	4 - 6	6 - 8	Min - 1	
UE100	PERIO			LOW				1 - 3
UE100M	PERIO			LOW				1 - 3
USU	PERIO	PERIO	PERIO	LOW	7 - 8	1 - 6	Min - 4	
USP3	PERIO	PERIO	PERIO	LOW	1 - 3	1 - 4	Min - 4	
UEP3	PERIO			LOW				1 - 3
US4R	PERIO	PERIO	PERIO	LOW	1 - 3	1 - 4	Min - 4	
US4L	PERIO	PERIO	PERIO	LOW	1 - 3	1 - 4	Min - 4	
US1D	PERIO	PERIO	PERIO	LOW	1 - 3	1 - 4	Min - 4	
UE1D	PERIO			LOW				1 - 3
US2RD	PERIO	PERIO	PERIO	LOW	1 - 3	1 - 4	Min - 4	
UE2RD	PERIO			LOW				1 - 3
US2LD	PERIO	PERIO	PERIO	LOW	1 - 3	1 - 4	Min - 4	
UE2LD	PERIO			LOW				1 - 3

Satelec, NSK, and EMS are either trademarks or registered trademarks (Reg. U.S.Pat.&TM.Off.) of Acteon, Inc., Nakanishi Inc., and Electro Medical Systems respectively.

INSTRUCTIONS FOR USE : Magnetostrictive

INSTRUCTIONS FOR USE:

To increase the o-ring life of Hu-Friedy ultrasonic inserts and to prevent water flow from the tip after release of the foot control, take the following steps before placing the insert into the handpiece: Hold the handpiece upright over the sink, activate the foot control and flush the water line for 2 minutes. Fill entire handpiece with water. Gently twist the insert into the handpiece until completely seated.

SWIVEL and SWIVEL Direct Flow inserts – To maintain a smooth swivel, activate the foot switch and rotate insert 2-3 times.

All thin inserts (SWIVEL #100, SWIVEL Direct Flow #100, Streamline #100, After Five inserts, Furcation inserts) should be used on LOW TO MEDIUM power settings only.

Detailed care and maintenance instructions are available upon request or go to www.hu-friedy.de

APPLICATION CHART:

	Universal #10	Thin #100	Triple Bend #1000	#3 Beavertail	Original Proply Inserts	After Five Inserts (Left, Straight, Right)	Furcation Inserts (Left, Straight, Right)
Light to moderate deposits	•	•	•		•		
Heavy deposits							
Orthodontic cement	•		•	•	•		
Light to moderate deposits in periodontal pockets						•	
Moderate to heavy deposits in periodontal pockets					•		
Furcation areas						•	•
Developmental concavities						•	•

CROSS REFERENCE GUIDE:

HU-FRIEDY ULTRASONIC INSERTS				DENTSPLY CAVITRON INSERTS		
Tip Style	Handle	25kHz Part Code	30kHz Part Code	Tip Style	25kHz Handle	30kHz Handle
SWIVEL						
#10 Universal	lavender	UI25SS10	UI30SS10			
#100 Thin	black	UI25SS100	UI30SS100			
#1000 Triple Bend	orange	UI25SS1000	UI30SS1000			
SWIVEL Direct Flow						
#10 Universal	lavender	UI25SD10	UI30SD10			
#100 Thin	black	UI25SD100	UI30SD100			
After Five Straight	dark blue	UI25SDS	UI30SDS			
After Five Right	red	UI25SDR	UI30SDR			
After Five Left	teal	UI25SDL	UI30SDL			
Set of 3*	dk. blue red teal	UI25SDSET	UI30SDSET			
Streamline				TFI Thru Flow		
#10 Universal	lavender	UI1025K	UI1030K	TFI #10 Straight	grey	black
#100 Thin	black	UI25K100S	UI30K100S			
#1000 Triple Bend	orange	UI100025K	UI100030K	TFI #1000 Straight Triple	grey	black
#3 Beavertail	yellow	UI325K	UI330K	Bend TFI #3 Thin Beavertail	grey	black
Original Prophy Designs				Classic "P"		
#10 Universal	metal	UI25KP10	UI30KP10	25K P-10 Classic "P"	metal	metal
#10 Universal PLUS	green	UI25KP10P	UI30KP10P			
After Five – Periodontal Debridement				SLI Slimline		
After Five Straight	metal	UI25KSL10S	UI30KSL10S	SLI #10 Straight/P-12	metal	metal
After Five Right	metal	UI25KSL10R	UI30KSL10R	SLI #10 Right/EWP-12R	metal	metal
After Five Left	metal	UI25KSL10L	UI30KSL10L	SLI #10 Left/EWP12L	metal	metal
Set of 3*	metal	UI25KSLSET	UI30KSLSET	SLI Assorted 3-pack	metal	metal
After Five PLUS – Periodontal Debridement						
After Five PLUS Straight	dark blue	UI25KSF10S	UI30KSF10S			
After Five PLUS Right	red	UI25KSF10R	UI30KSF10R			
After Five PLUS Left	teal	UI25KSF10L	UI30KSF10L			
Set of 3*	dk. blue red teal	UI25KSFSET	UI30KSFSET			

*Set of 3 includes a straight, right and left.

Cavitron is a registered trademark (Reg. U.S.Pat.&TM.Off.) of DENTSPLY International, Inc.



Satisfaction Guarantee: Ultrasonic Inserts

Hu-Friedy is committed to YOU, our valued customer. If you're not satisfied, we're not satisfied. If for any reason you are unhappy with your Hu-Friedy Ultrasonic Insert within the first month of usage, simply return it for a product exchange-no questions asked. No other company offers such a comprehensive guarantee.



FIRST BECAUSE WE LAST.®

Hu-Friedy Mfg. Co., Inc.
Zweigniederlassung
Deutschland
Rudolf-Diesel-Str. 8
D-69181 Leimen
+49 6224-9700
www.hu-friedy.de

Hu-Friedy Mfg. Co., Inc.
3232 N. Rockwell St.
Chicago, IL 60618
1-773-975-6100
1-800-HU-FRIEDY
FAX: 1-877-7-FAX-HFO
www.hu-friedy.com

©2006 Hu-Friedy Mfg. Co., Inc. All Rights Reserved.
Swivel covered by U.S. patent #6,716,028 and #6,811,399.
HF-472/09-06 R2