

HALL<sup>®</sup>  
*Mpower*<sup>™</sup>





'63	'84	'94	'97	'05
HALL® SURGICAL	HALL SURGICAL BECOMES A DIVISION OF ZIMMER	LINVATEC TAKES OVER THE DESIGN AND MANUFACTURING OF HALL PRODUCTS	CONMED CORPORATION ACQUIRES LINVATEC	CONMED LINVATEC NAME AND LOGO INTRODUCED

# THE EVOLUTION OF A MARKET LEADER

In 1963, Dr. Robert Hall revolutionized oral surgery by introducing one of the first high-speed pneumatic drills, the Surgairtome®. The success of this handpiece launched Hall® Surgical and set a new standard in the performance and reliability of powered surgical instruments.

Today, ConMed Linvatec has the privilege of continuing the tradition of performance and reliability that began with the first Hall Surgairtome. Under ConMed Linvatec and the Hall brand name, the original Hall product line has evolved into the most versatile and comprehensive system of large and small bone powered instruments on the market.

I would like to take this opportunity to thank our existing customers for their support over the years. We value the relationship we have developed with each of you and look forward to continuing these partnerships into the future. We remain committed to shaping the future of powered surgical instruments through the innovation and quality that is synonymous with the Hall name.

Sincerely,

Gerald Woodard, President

## Why use Hall® Products?

- > The most comprehensive and versatile large bone power system on the market
- > Over 30 years of proven reliability and performance
- > Three power sources to accommodate surgeon preference
- > The industry's most standardized set of attachments and accessories
- > Enough torque for large bone surgery, enough speed for small bone procedures

# MERGING POWER, VERSATILITY AND STANDARDIZATION



# LARGE BONE POWER CAPTURED IN A COMPACT HANDPIECE










The new Mpower™ system merges large bone power with the size and design of a small bone handpiece, to create the most versatile system on the market today. Mpower handpieces generate more than 140 in./lbs. of torque and can be used in the most demanding large bone surgery, such as a total hip arthroplasty. But these handpieces also produce up to 1,500 rpm and are just as suitable for delicate hand and foot surgery.

- > One system for large bone, small bone and trauma procedures
- > Standardization with existing attachments and batteries
- > Completely sealed and approved for washer/sanitizer use

- > Single or dual trigger modular handpiece and two dedicated saws
- > Drill, Ream, Oscillate Drill and Screw/Tap with one handpiece
- > Variable speed trigger and single handed mode control switch

# ATTACHMENTS

## Multipurpose and Drilling (1:1)

 <p>PRO2030 : 5/32" Jacobs Chuck</p>	 <p>PRO6050 : 1/8" Keyless Chuck</p>	 <p>PRO2038 : Small AO</p>	 <p>PRO2070 : Large AO</p>
 <p>PRO2041 : 1/4" Jacobs Chuck</p>	 <p>PRO2250 : 1/4" Keyless Chuck</p>	 <p>PRO2029 : AO/Trinkle</p>	 <p>PRO2046 : Zimmer /Hudson</p>
<p>1:1 Drilling and Multipurpose attachments are ideal for high speed applications such as drilling pilot holes for bone screws, trauma applications, drilling ACL tunnels and drilling holes for guide rods during total knee arthroplasties.</p>		 <p>PRO2075 : Standard Hudson</p>	 <p>PRO2514 : Radiolucent Drive Adapter</p>

## Reaming (3:1)

## Reaming (5:1)

 <p>PRO2042 : 1/4" Jacobs Chuck</p>	 <p>PRO2040 : Large AO</p>	 <p>PRO6042 : 1/4" Jacobs Chuck</p>	 <p>PRO6040 : Large AO</p>
 <p>PRO2047 : Zimmer /Hudson</p>	 <p>PRO2060 : Aesculap</p>	 <p>PRO6047 : Zimmer /Hudson</p>	 <p>PRO6060 : Aesculap</p>
<p>3:1 Reaming attachments are ideal for moderate torque procedures such as reaming the femoral canal for femoral nails and other large bone trauma.</p>	 <p>PRO2065 : Standard Hudson</p>	<p>5:1 Reaming attachments are ideal for reaming the acetabulum during total hip arthroplasties.</p>	 <p>PRO6048 : Standard Hudson</p>

- > 26 attachments for drilling, reaming, wire/pin driving and cutting
- > Attachments are compatible with Mpower™ and PowerPro® Systems
- > Quick release attachments that accommodate most fittings

- > Jacob's chuck and Keyless Chuck options available
- > Color coding and etching allow for easy attachment identification

### Wire/Pin Driving



PRO6128  
Single Trigger  
Wire Driver

PRO6228  
Dual Trigger  
Wire Driver



PRO6132  
Single Trigger  
Pin Driver

PRO6232  
Dual Trigger  
Pin Driver

### Cutting



PRO2043 : Sagittal Saw Attachment



PRO6045: Reciprocating Saw Attachment



PRO6100



PRO6125



PRO6135

# EVEN MORE POWER

The additional options of electric or pneumatic large bone systems provide even more choices to meet your power surgical needs. And with a fully standardized line of attachments, use all the same attachments regardless of which power source you choose.



PRO6150



PRO6175



PRO6185

# FULL CHARGE AHEAD.

Take charge of battery processing with the PRO3600 Charger. The PRO3600 charges all MPower™ and PowerPro® batteries, including Sterile Transfer and SureCharge®. Plus, it automatically conditions NiCad batteries to increase battery life and detects key battery characteristics for an optimal charge cycle every time.



## PRO3600 Charger

- > Automatic battery conditioning increases battery life
- > Charge 4 batteries or 2 SureCharge® cases simultaneously
- > Store batteries on charger until needed

## Batteries

- > PRO3020 – Small 12V battery for small bone and trauma
- > PRO3010 – Large 9.6V high torque battery
- > PRO3011 – Large 12V battery for the most power
- > PRO3115 – Large 9.6V Sterile Transfer battery



### SureCharge®

With the SureCharge proprietary battery processing system, you can remove a key cause of battery failure by autoclaving discharged batteries. The SureCharge system also allows you to store autoclaved and charged batteries on the shelf until they're needed, or leave batteries on the charger until the start of a case for maximum run time. Your batteries will thank you.

# TWO ALTERNATIVES FOR HAPPIER, HEALTHIER BATTERIES.



### Sterile Transfer

Imagine the cost savings if you could get 300-400 uses, instead of the average 100 uses, out of every battery. Our Sterile Transfer System makes this dream a reality. In addition, get 2.5 times the run time of an autoclavable battery without any memory effects. Plus the Sterile Transfer battery case has a patent pending latch system that locks into the handpiece base, so the battery case can NEVER open during use.

#### SureCharge®

- > Remove a major cause of catastrophic battery failure
- > Leave batteries on the charger until the case for maximum run time
- > Prepare multiple batteries and backup batteries for each case

#### Sterile Transfer

- > 300-400 uses and 2.5x the free run time of a NiCad battery
- > NiMH Sterile Transfer batteries never develop memory effects
- > Charge Sterile Transfer batteries your PRO3600 charger



# INNOVATION OUTSIDE THE BOX



PRO2000 Console

- > Two options to meet your size and budget requirements
- > Operate all electric large and small bone Hall® powered instruments
- > Closed-loop feedback system provides more power under load
- > Adjust mode and speed settings from the sterile field
- > Run two handpieces simultaneously with the D3000 Advantage® console
- > Use integrated irrigation with the D3000 Advantage console

Open up a world of possibilities with the D3000 and PRO2000 consoles. Adjust instrument modes and speed settings from the sterile field with our unique tap button cord. Benefit from an automatic closed-loop feedback system that increases power under load. And with the D3000 Advantage® console, you can run two handpieces simultaneously and use integrated irrigation. Our innovations make your job in the OR a little easier.



D3000 Advantage Console

# A CUT ABOVE



- **Chemical Coating**  
Creates a more lubricious surface to reduce cutting friction

- **Chemical Etching**  
Reduces friction and heat to minimize bone necrosis and allow for removal of excised debris

- **Tooth Design**  
A wide variety of tooth sets are available to accommodate multiple surgical applications

All Hall® blades are held to stringent quality standards and specifically designed to work on Hall handpieces. Using Hall blades with your Hall powered instruments increases cutting performance and reduces stress on the handpiece.



Hall Blade Hub



Competitor Blade Hub

- **Hub Design**  
Specially designed blade hubs evenly distribute force and increase performance and reliability

# STERILIZATION

Products	Notes	Steam Pre-Vacuum 270 – 279° F (132 – 137°C)	Steam Gravity 270 – 279° F (132 – 137°C)	Dry Cycle
	<ul style="list-style-type: none"> <li>Remove attachments, open collets and disconnect battery, cord or hose</li> <li>An 8 minute dry cycle is highly recommended</li> </ul>	4 Minutes	10 Minutes*	8 Minutes On All
	<ul style="list-style-type: none"> <li>Sterilize with collets open</li> </ul>	4 Minutes	10 Minutes*	8 Minutes On All
	<ul style="list-style-type: none"> <li>Do NOT run batteries through a dry cycle when flashing</li> <li>Batteries can be sterilized with Sterrad</li> </ul>	3 Minutes	3 Minutes	NONE
	<ul style="list-style-type: none"> <li>Do not sterilize PRO3115 Battery Pack or PRO3135 Sterile Transfer Platform</li> <li>Always sterilize PRO3110 Sterile Transfer Case with lid open and case facing down</li> </ul>	3 Minutes	10 Minutes*	8 Minutes
	<ul style="list-style-type: none"> <li>Prior to sterilization, discharge batteries and insert a new PRO3205 filter</li> <li>Failure to use a dry cycle may result in moisture left in the container</li> </ul>	3 Minutes	NOT APPROVED	8 Minutes
		4 Minutes	10 Minutes*	8 Minutes
		4 Minutes	20 Minutes*	8 Minutes

\* For Sterilization Containers with filters, add 5 minutes to the Gravity cycle.

Steris is not approved for any Hall® Products



# SAW BLADE GUIDE

## HALL® Knee Saw Blades by Cutting Thickness

Blade #	Cutting Thickness (mm)	Material Thickness (mm)	Cutting Length (mm)	Blade Width (mm)
5071-544	1.50	1.50	90.0	25.4
5071-565	1.47	1.47	90.0	25.4
5071-525	1.37	1.37	95.0	19.0
5071-530	1.37	1.37	95.0	19.0
5071-563	1.37	1.37	90.0	25.4
5071-580	1.27	1.27	85.0	10.0
5071-582	1.27	1.27	90.0	13.0
5071-527	1.27	1.27	80.0	19.0
5071-201	1.27	1.27	86.0	19.5
5071-581	1.27	1.27	86.0	19.5
5071-523	1.27	1.27	95.0	19.5
5071-531	1.27	1.27	85.0	25.4
5071-561	1.27	1.27	90.0	25.4
5071-524	1.27	1.27	95.0	25.4
5071-526	1.24	1.24	107.0	18.5
5071-558	1.24	1.24	73.0	18.5
5071-534	1.24	1.24	79.5	25.0
5071-567	1.20	1.20	90.0	19.5
5071-584	1.20	1.20	90.0	19.5
5071-548	1.19	1.19	86.0	12.7
5071-547	1.19	1.19	86.0	25.4
5071-562	1.00	1.00	90.0	25.4
5071-532	0.90	0.90	80.0	12.0
5071-585	0.90	0.90	80.0	19.5
5071-595	0.90	0.90	80.0	19.5
5071-595-50	0.90	0.90	80.0	19.5
5071-520	0.90	0.90	95.0	19.5
5071-546	0.90	0.90	90.0	25.4
5071-596	0.90	0.90	90.0	25.4
5071-521	0.90	0.90	95.0	25.4
5071-528	0.89	0.89	89.5	12.5
5071-533	0.89	0.89	84.5	21.0
5071-583	0.89	0.89	90.0	12.7
5071-236	0.64	0.64	25.22	9.12

## HALL® Hip Saw Blades

Blade #	Cutting Thickness (mm)	Material Thickness (mm)	Cutting Length (mm)	Blade Width (mm)
5071-556	0.9	0.8	64.0	32.5
5071-586	0.9	0.8	64.0	32.5
5071-553	0.9	0.6	63.0	19.5
5071-572	0.9	0.8	71.0	19.5
5071-552	0.9	0.6	64.0	13.5
5071-551	0.9	0.6	63.0	32.5
5071-574	0.9	0.8	86.0	19.5
5071-554	1.4	1.2	71.0	19.5
5071-542	1.4	1.2	90.0	25.4
5071-545	1.5	1.2	72.0	13.0
5071-555	1.5	1.2	72.0	33.0
5071-577	0.9	0.8	71.0	19.5
5071-578	0.9	0.8	80.0	19.5
5071-550	0.9	0.6	63.0	49.0

# SAW BLADE GUIDE

Legend:

■ Non-CE Marked Blades

■ Special Order\*

■ Coated Blade

## HALL® Knee Saw Blade to Knee Prosthesis Recommendations

Company/ System	Blade #	Cutting Thickness (mm)	Material Thickness (mm)	Cutting Length (mm)	Blade Width (mm)
Biomet AGC & Maxim	5071-563	1.37	1.37	90.0	25.4
	5071-525	1.37	1.37	95.0	19.0
Depuy AMK Legend II • Kirschner Performance Knee • Sulzer Natural-Knee & Natural-Knee II • Wright Advantim & Axiom • Zimmer MG I & IB II	5071-532	0.90	0.90	80.0	12.0
	5071-520	0.90	0.90	95.0	19.5
	5071-521	0.90	0.90	95.0	25.4
	5071-546	0.90	0.90	90.0	25.0
	5071-596	0.90	0.90	90.0	25.4
	5071-585	0.90	0.90	80.0	19.5
	5071-595	0.90	0.90	80.0	19.5
	5071-589	0.89	0.89	90.0	13.0
	5071-583	0.89	0.89	90.0	12.7
	5071-533	0.89	0.89	84.5	21.0
5071-528	0.89	0.89	73.0	25.0	
Depuy LCS Knee	5071-544	1.50	1.50	90.0	25.4
Depuy LCS Complete Knee	5071-565	1.47	1.47	90.0	25.4
Depuy PFC Sigma Knee	5071-547	1.19	1.19	85.0	25.4
	5071-548	1.19	1.19	86.0	12.7
Depuy Preservation Uni-compartmental Knee • Wright Medical Advance	5071-580	1.27	1.27	85.0	10.0
Richards Smith & Nephew Profix	5071-563	1.37	1.37	90.0	25.4
	5071-530	1.37	1.37	95.0	19.0
Sulzer Apollo Knee	5071-565	1.47	1.47	90.0	25.4
Zimmer NexGen • Exactech Optetrak	5071-564	1.27	1.27	90.0	25.4
	5071-523	1.27	1.27	95.0	19.5
	5071-524	1.27	1.27	95.0	25.4
	5071-561	1.27	1.27	90.0	25.4
	5071-201	1.27	1.27	86.0	19.5
	5071-581	1.27	1.27	86.0	19.5
	5071-531	1.27	1.27	85.0	25.4
	5071-527	1.27	1.27	80.0	19.0
	5271-561	1.27	1.27	90.0	25.4
	5052-279	1.27	1.27	76.0	12.5
5052-273	1.27	1.27	73.5	12.5	
Howmedica Osteonics Duracon, P.C.A., Omnifit, Kinematic, Deltafit, Series 7000 & Scorpio • Richards Smith & Nephew Genesis • Wright Medical Whiteside & Ortholoc (Dow Corning)	5071-564	1.27	1.27	90.0	25.4
	5071-523	1.27	1.27	95.0	19.5
	5071-524	1.27	1.27	95.0	25.4
	5071-561	1.27	1.27	90.0	25.4
	5071-201	1.27	1.27	86.0	19.5
	5071-581	1.27	1.27	86.0	19.5
	5071-531	1.27	1.27	85.0	25.4
	5071-527	1.27	1.27	80.0	19.0
5271-561	1.27	1.27	90.0	25.4	

\*Special order blades may require longer delivery time. Please contact Customer Service to confirm, 1-800-237-0169.

# EVALUATION FORM

We are pleased that your facility is currently evaluating the Hall® Mpower™ or PowerPro® Systems. This form has been designed to assist in your collection of information/opinions from the parties involved with the evaluation. If you have any questions, please contact one of the individuals listed below:

Facility \_\_\_\_\_  
 Evaluation Coordinator \_\_\_\_\_  
 Linvatec Sales Rep \_\_\_\_\_  
 Other (specify) \_\_\_\_\_  
 Contact Number \_\_\_\_\_

System being evaluated:

- Mpower  
 PowerPro Electric II  
 PowerPro Pneumatic

OVERALL POWER OF HANDPIECE	Rate the following: (1 = Excellent, 4 = Unacceptable)				
Drill Function	1	2	3	4	N/A
Ream Function	1	2	3	4	N/A
Screw Function	1	2	3	4	N/A
Tap Function	1	2	3	4	N/A
Saw Function	1	2	3	4	N/A
ERGONOMICS					
Balance	1	2	3	4	N/A
Weight	1	2	3	4	N/A
EASE OF USE					
Connecting Attachments	1	2	3	4	N/A
Removing Attachments	1	2	3	4	N/A
Changing Modes on Console	1	2	3	4	N/A
Ease of Attachment Identification	1	2	3	4	N/A
Console Irrigation	1	2	3	4	N/A
Inserting/Removing Cutting Accessories	1	2	3	4	N/A
Sterilization Time / Parameters	1	2	3	4	N/A
SERVICE					
In-service	1	2	3	4	N/A
Rep Knowledge / Support	1	2	3	4	N/A
OVERALL RECOMMENDATION	1	2	3	4	N/A

Did all of the equipment perform as you expected?

YES

NO

Procedures performed: \_\_\_\_\_

General Comments: \_\_\_\_\_

Surgeon / Staff Name: \_\_\_\_\_

Date: \_\_\_\_\_

# PRODUCT LINES

Catalog No.	Product Description	Catalog No.	Product Description
<b>HANDPIECES</b>		<b>ATTACHMENTS (continued)</b>	
<i>Mpower™ Handpieces</i>		<i>5:1 Reamer Attachments</i>	
PRO6200	Single Trigger Modular Handpiece	PRO6040	Large AO
PRO6202	Dual Trigger Full Function Modular Handpiece	PRO6042	1/4" Jacobs Chuck
PRO6212	Dual Trigger Standard Modular Handpiece	PRO6047	Zimmer/Hudson
PRO6300	Dedicated Oscillating Saw	PRO6060	Aesculap
PRO6400	Dedicated Reciprocating Saw	PRO6048	Standard Hudson
<i>PowerPro® Electric II Handpieces</i>		<i>Sawing Attachments</i>	
PRO6100	Single Trigger Modular Handpiece	PRO2043	Sagittal Saw
PRO2200E	Dual Trigger Modular Handpiece	PRO6045	Reciprocating Saw
PRO6125	Dedicated Oscillating Saw		
PRO6135	Dedicated Reciprocating Saw		
<i>PowerPro Pneumatic Handpieces</i>		<b>BATTERY SPECIFIC ACCESSORIES</b>	
PRO6150	Single Trigger Modular Handpiece	PRO3600	PowerPro Battery Charger (Universal Voltage)
PRO6175	Dedicated Oscillating Saw	PRO3010	Standard Large 9.6 Volt Battery (NiCad)
PRO6185	Dedicated Reciprocating Saw	PRO3020	Standard Small 12 Volt Battery (NiCad)
		PRO3011	Standard Large 12 Volt Battery (NiCad)
		PRO3110	Sterile Transfer Battery Case (For use with PRO3115)
		PRO3115	Sterile Transfer Battery Pack (NiMH)
		PRO3130	Sterile Transfer Shroud (For use with PRO3110)
		PRO3135	Sterile Transfer Charging Platform (For use with PRO3600 and PRO3115)
		PRO3200	SureCharge® Sterilization Case
		PRO3205	SureCharge Disposable Filters (Sold as Pack of 50 for PRO3200)
<b>ATTACHMENTS</b>		<b>ELECTRIC II SPECIFIC ACCESSORIES</b>	
<i>Wire and Pin Drivers</i>		D3000	Advantage® Console
PRO6128	Single Trigger Wire Driver	E9000	E9000® Console
PRO6132	Single Trigger Pin Driver	PRO2000	PowerPro Console
PRO6228	Dual Trigger Wire Driver	MC5057	Handpiece Cord
PRO6232	Dual Trigger Pin Driver		
<i>1:1 Multipurpose Attachments</i>		<b>PNEUMATIC SPECIFIC ACCESSORIES</b>	
PRO2030	5/32" Jacobs Chuck	5052-010	Universal Hose, 10'
PRO2041	1/4" Jacobs Chuck	5052-016	Universal Hose, 15'
PRO2250	1/4" Keyless Chuck	5052-017	Universal Hose, 20'
PRO6050	1/8" Keyless Chuck	5052-018	Extension Hose, 10'
		5052-029	Extension Hose, 10' w/DISS Connector
		5052-030	Extension Hose, 15'
		5052-031	Extension Hose, 20'
		5052-101	Hose Handler, 5/box
		2075-017	Pressure Tester
		5144-002	Schrader Coupler
		1375-040	Y Connector
		M207	Single Outlet Regulator
		M208	Dual Outlet Regulator
		M321	Male Stryker to Female Schrader Adapter
		M322	DISS to Schrader Adapter
<i>1:1 Drilling Attachments</i>		<b>STERILIZATION TRAYS</b>	
PRO2038	Small AO	PRO5095	Sterilization Tray for Battery, Electric II, and Pneumatic
PRO2029	AO/Trinkle		
PRO2046	Zimmer/Hudson		
PRO2070	Large AO		
PRO2075	Standard Hudson		
PRO2514	Radiolucent Drive Adapter		
<i>3:1 Reamer Attachments</i>			
PRO2040	Large AO		
PRO2042	1/4" Jacobs Chuck		
PRO2047	Zimmer/Hudson		
PRO2060	Aesculap		
PRO2065	Standard Hudson		

## CONMED CORPORATION PRODUCT AREAS:

ARTHROSCOPY • ELECTROSURGERY • ENDOSCOPY • ENDOSURGERY • GASTROENTEROLOGY • INTEGRATED SYSTEMS • PATIENT CARE • POWERED INSTRUMENTS • PULMONOLOGY



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