

<b>Алматы</b> (7273)495-231	<b>Иваново</b> (4932)77-34-06	<b>Магнитогорск</b> (3519)55-03-13	<b>Пермь</b> (342)205-81-47	<b>Тверь</b> (4822)63-31-35
<b>Ангарск</b> (3955)60-70-56	<b>Ижевск</b> (3412)26-03-58	<b>Москва</b> (495)268-04-70	<b>Ростов-на-Дону</b> (863)308-18-15	<b>Тольятти</b> (8482)63-91-07
<b>Архангельск</b> (8182)63-90-72	<b>Иркутск</b> (395)279-98-46	<b>Мурманск</b> (8152)59-64-93	<b>Рязань</b> (4912)46-61-64	<b>Томск</b> (3822)98-41-53
<b>Астрахань</b> (8512)99-46-04	<b>Казань</b> (843)206-01-48	<b>Набережные Челны</b> (8552)20-53-41	<b>Самара</b> (846)206-03-16	<b>Тула</b> (4872)33-79-87
<b>Барнаул</b> (3852)73-04-60	<b>Калининград</b> (4012)72-03-81	<b>Нижний Новгород</b> (831)429-08-12	<b>Саранск</b> (8342)22-96-24	<b>Тюмень</b> (3452)66-21-18
<b>Белгород</b> (4722)40-23-64	<b>Калуга</b> (4842)92-23-67	<b>Новокузнецк</b> (3843)20-46-81	<b>Санкт-Петербург</b> (812)309-46-40	<b>Ульяновск</b> (8422)24-23-59
<b>Благовещенск</b> (4162)22-76-07	<b>Кемерово</b> (3842)65-04-62	<b>Ноябрьск</b> (3496)41-32-12	<b>Саратов</b> (845)249-38-78	<b>Улан-Удэ</b> (3012)59-97-51
<b>Брянск</b> (4832)59-03-52	<b>Киров</b> (8332)68-02-04	<b>Новосибирск</b> (383)227-86-73	<b>Севастополь</b> (8692)22-31-93	<b>Уфа</b> (347)229-48-12
<b>Владивосток</b> (423)249-28-31	<b>Коломна</b> (4966)23-41-49	<b>Омск</b> (3812)21-46-40	<b>Симферополь</b> (3652)67-13-56	<b>Хабаровск</b> (4212)92-98-04
<b>Владикавказ</b> (8672)28-90-48	<b>Кострома</b> (4942)77-07-48	<b>Орел</b> (4862)44-53-42	<b>Смоленск</b> (4812)29-41-54	<b>Чебоксары</b> (8352)28-53-07
<b>Владимир</b> (4922)49-43-18	<b>Краснодар</b> (861)203-40-90	<b>Оренбург</b> (3532)37-68-04	<b>Сочи</b> (862)225-72-31	<b>Челябинск</b> (351)202-03-61
<b>Волгоград</b> (844)278-03-48	<b>Красноярск</b> (391)204-63-61	<b>Пенза</b> (8412)22-31-16	<b>Ставрополь</b> (8652)20-65-13	<b>Череповец</b> (8202)49-02-64
<b>Вологда</b> (8172)26-41-59	<b>Курск</b> (4712)77-13-04	<b>Петрозаводск</b> (8142)55-98-37	<b>Сургут</b> (3462)77-98-35	<b>Чита</b> (3022)38-34-83
<b>Воронеж</b> (473)204-51-73	<b>Курган</b> (3522)50-90-47	<b>Псков</b> (8112)59-10-37	<b>Сыктывкар</b> (8212)25-95-17	<b>Якутск</b> (4112)23-90-97
<b>Екатеринбург</b> (343)384-55-89	<b>Липецк</b> (4742)52-20-81		<b>Тамбов</b> (4752)50-40-97	<b>Ярославль</b> (4852)69-52-93

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# Технические характеристики на электроды OneStep, CPR-D, Pedi-padz, ECG, CPR Uni-padz КОМПАНИИ **ZOLL**

# Hospital Electrodes and Paddles

All of ZOLL's OneStep™ resuscitation electrodes incorporate features that speed defibrillation, ensure code-readiness, and simplify resuscitation. Choose OneStep Complete Electrodes for adult patients or OneStep Paediatric CPR electrodes for patients under 8 years of age (or 55 pounds).

## **Provides CPR Coaching:**

A built-in CPR sensor enables [Real CPR Help®](#), which coaches on proper rate and depth during CPR. After the code, simply dispose of the entire electrode to avoid patient-to-patient contamination.

[See-Thru CPR®](#) technology filters out compression artefact on the ECG monitor so that rescuers can see the underlying heart rhythm during cardiopulmonary resuscitation (CPR), thereby reducing the duration of pauses in compressions.

## **Ensures Code-Readiness:**

A Code-Ready® connector to allow electrodes to be pre-connected to the defibrillator without opening the packaging; no need to disconnect during daily defibrillator testing—it will test through a short in the electrode.

When using Defibrillator Dashboard, the R Series will automatically issue an alert when the electrode has expired.

## **Simplifies Resuscitation:**

[OneStep Pacing](#) integrates ECG electrodes into the anterior defibrillator electrode, eliminating the need for a separate ECG cable.

## **CPR guidance for paediatrics:**

With ZOLL's unique OneStep Paediatric CPR Electrodes, caregivers receive information that shows the actual depth and rate of compressions as they are delivered. When used with the **R Series**<sup>®</sup> defibrillator, CPR Dashboard™ displays this data on the screen. In addition, when used in conjunction with the R Series, the energy setting is automatically lowered to 50 joules. OneStep Paediatric Electrodes employ a unique paediatric algorithm that reduces the likelihood that a compensating rhythm will be terminated and ensures any unique paediatric ECG morphology will be accurately identified when a shock or cardioversion is indicated. OneStep Paediatric Electrodes are available with or without a CPR sensor.

## **Pro-padz**

**Pro-padz**<sup>®</sup> are speciality defibrillator electrodes optimised for procedures in the electrophysiology lab, catheterisation lab, operating room, and radiology suites. ZOLL is the only electrode manufacturer that offers liquid gel as an alternative to solid gel. In addition to our general-use multifunction Pro-padz, we also offer the following:

Radiolucent Pro-padz provide an unobstructed view of the coronary arteries on x-rays, available in solid and liquid gel options and in adult and paediatric sizes.

Liquid gel is ideal for procedures such as cardioversion or long-term pacing; the liquid gel provides better skin coupling and less skin irritation.

Sterile Multi-Function Electrodes are multi-function defibrillator electrodes available in a unique two-pouch system that allows placement of the posterior electrode prior to surgery — optimal for use in the operating room. Available with 3-meter lead wire length.

## **External and Internal Paddles**



### **Autoclavable Internal Handles with Integrated Paddles (Spoons)**

The integrated handle and paddle combination reduces the need for assembly. Available in two styles — with or without a discharge button located on the handle.

### **Autoclavable Internal Handles with Removable Paddles (Spoons)**

Select various sizes for adult and pediatric patients. Available in two styles — with or without a discharge button located on the handle.

### **Overmolded Electrode Paddles (Spoons)**

Made of polished, surgical-quality stainless steel, these paddles are overmolded with durable plastic. Various sizes available.

### **Autoclavable External Paddles**

The growing interest in minimally invasive procedures challenges conventional means for defibrillating in the OR. When paddles are required and sterility is an issue, the external paddles can be autoclaved quickly in the OR because they are made of a durable plastic that can tolerate high heat.

# ELECTRODE PRODUCT GUIDE



Product Name	Differentiation Features	Location Used	Defibrillator
<b>CPR-D-padz</b>	 <ul style="list-style-type: none"> <li>Enables Real CPR Help® and See-Thru CPR®</li> <li>One-piece design simplifies proper positioning on the chest</li> <li>One size fits all, with ability to expand for larger chest</li> </ul>	<ul style="list-style-type: none"> <li>EMS &amp; Fire</li> <li>Public Access</li> </ul>	<ul style="list-style-type: none"> <li>M Series®</li> <li>E Series®</li> <li>R Series®</li> <li>AED Plus®</li> <li>AED Pro®</li> <li>X Series®</li> </ul>
<b>CPR Stat-padz</b>	 <ul style="list-style-type: none"> <li>Enables Real CPR Help and See-Thru CPR</li> <li>Multi-function, two-piece design ensures all therapies can be delivered</li> <li>Accommodates AP and AA pad placement</li> </ul>	<ul style="list-style-type: none"> <li>Hospital</li> <li>Med/Surg floors</li> <li>ER &amp; ICU</li> <li>EMS &amp; Fire</li> </ul>	<ul style="list-style-type: none"> <li>M Series</li> <li>E Series</li> <li>R Series</li> <li>AED Plus</li> <li>AED Pro</li> <li>X Series</li> </ul>
<b>OneStep Basic</b>	 <ul style="list-style-type: none"> <li>Multi-function electrode</li> <li>Automated self-test with R Series</li> </ul>	<ul style="list-style-type: none"> <li>Hospital</li> </ul>	<ul style="list-style-type: none"> <li>M Series</li> <li>R Series</li> <li>X Series</li> </ul>
<b>OneStep Pacing</b>	 <ul style="list-style-type: none"> <li>OneStep Basic features plus:                             <ul style="list-style-type: none"> <li>OneStep Pacing</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Hospital</li> </ul>	<ul style="list-style-type: none"> <li>R Series</li> </ul>
<b>OneStep CPR (AP)</b>	 <ul style="list-style-type: none"> <li>OneStep Basic features plus:                             <ul style="list-style-type: none"> <li>Real CPR Help</li> <li>See-Thru CPR</li> <li>Anterior-Posterior placement</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Hospital</li> </ul>	<ul style="list-style-type: none"> <li>M Series</li> <li>R Series</li> <li>X Series</li> </ul>
<b>OneStep CPR (AA)</b>	 <ul style="list-style-type: none"> <li>OneStep Basic features plus:                             <ul style="list-style-type: none"> <li>Real CPR Help</li> <li>See-Thru CPR</li> <li>Anterior-Anterior placement</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Hospital</li> </ul>	<ul style="list-style-type: none"> <li>M Series</li> <li>R Series</li> <li>X Series</li> </ul>
<b>OneStep Complete</b>	 <ul style="list-style-type: none"> <li>All OneStep Basic, Pacing, and CPR capabilities</li> </ul>	<ul style="list-style-type: none"> <li>Hospital</li> </ul>	<ul style="list-style-type: none"> <li>R Series</li> </ul>
<b>OneStep Pediatric</b>	 <ul style="list-style-type: none"> <li>Designed for patients 0–8 years of age and less than 55 pounds (25 kg)</li> <li>Automatically adjusts joules setting to pediatric levels</li> </ul>	<ul style="list-style-type: none"> <li>Hospital</li> </ul>	<ul style="list-style-type: none"> <li>M Series</li> <li>R Series</li> <li>X Series</li> </ul>
<b>OneStep Pediatric CPR</b>	 <ul style="list-style-type: none"> <li>Designed for patients 0–8 years of age and less than 55 pounds (25 kg)</li> <li>Automatically adjusts joules setting to pediatric levels</li> <li>Real CPR Help</li> <li>See-Thru CPR</li> </ul>	<ul style="list-style-type: none"> <li>Hospital</li> </ul>	<ul style="list-style-type: none"> <li>M Series</li> <li>R Series</li> <li>X Series</li> </ul>
<b>Pedi-padz® II</b>	 <ul style="list-style-type: none"> <li>Connects directly to AEDs &amp; ALS devices</li> <li>Pediatric intelligence function with ZOLL AEDs</li> </ul>	<ul style="list-style-type: none"> <li>EMS &amp; Fire</li> <li>Public Access</li> </ul>	<ul style="list-style-type: none"> <li>M Series</li> <li>E Series</li> <li>R Series</li> <li>AED Plus</li> <li>AED Pro</li> <li>X Series</li> </ul>
<b>Pedi-padz Multi-function Liquid or Solid Gel</b>	 <ul style="list-style-type: none"> <li>Multi-functional electrode for pediatric patients</li> <li>Available in liquid or solid gel</li> </ul>	<ul style="list-style-type: none"> <li>Hospital</li> <li>EMS &amp; Fire</li> </ul>	<ul style="list-style-type: none"> <li>M Series</li> <li>E Series</li> <li>R Series</li> <li>X Series</li> </ul>
<b>Pedi-padz Radiolucent Solid Gel</b>	 <ul style="list-style-type: none"> <li>For use in cath and RP labs for procedures</li> <li>Virtually invisible to x-ray</li> </ul>	<ul style="list-style-type: none"> <li>Hospital                             <ul style="list-style-type: none"> <li>Cardiac cath lab</li> <li>Electrophysiology labs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>M Series</li> <li>E Series</li> <li>R Series</li> <li>X Series</li> </ul>
<b>Pro-padz® Multi-function Liquid or Solid Gel</b>	 <ul style="list-style-type: none"> <li>Available in liquid or solid gel</li> <li>Available with or without tray</li> <li>Used in cath and EP labs for procedures</li> </ul>	<ul style="list-style-type: none"> <li>Hospital                             <ul style="list-style-type: none"> <li>Cardiac catheterization lab</li> <li>Electrophysiology labs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>M Series</li> <li>E Series</li> <li>R Series</li> <li>X Series</li> </ul>
<b>Pro-padz Radiolucent Liquid or Solid Gel</b>	 <ul style="list-style-type: none"> <li>For use in cath and EP labs for procedures - Virtually invisible to x-ray</li> <li>Pre-Connect (solid only)</li> <li>Speed pack</li> </ul>	<ul style="list-style-type: none"> <li>Hospital                             <ul style="list-style-type: none"> <li>Cardiac catheterization lab</li> <li>Electrophysiology labs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>M Series</li> <li>E Series</li> <li>R Series</li> <li>X Series</li> </ul>
<b>Pro-padz Sterile</b>	 <ul style="list-style-type: none"> <li>For use in operating rooms</li> <li>Helps maintain sterile barrier</li> <li>Packaged in two pouches</li> <li>Available in 54" or 10-foot lead wires</li> </ul>	<ul style="list-style-type: none"> <li>Hospital                             <ul style="list-style-type: none"> <li>Operating rooms</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>M Series</li> <li>E Series</li> <li>R Series</li> <li>X Series</li> </ul>
<b>Stat-padz®</b>	 <ul style="list-style-type: none"> <li>Multi-function</li> <li>Pre-Connect</li> <li>Speed pack</li> <li>Different pad shapes and colors</li> </ul>	<ul style="list-style-type: none"> <li>EMS &amp; Fire</li> <li>Hospital</li> </ul>	<ul style="list-style-type: none"> <li>M Series</li> <li>E Series</li> <li>R Series</li> <li>X Series</li> </ul>
<b>Stat-padz II</b>	 <ul style="list-style-type: none"> <li>Connects directly to AEDs and ALS devices</li> </ul>	<ul style="list-style-type: none"> <li>EMS &amp; Fire</li> <li>Hospital</li> </ul>	<ul style="list-style-type: none"> <li>M Series</li> <li>E Series</li> <li>R Series</li> <li>AED Plus</li> <li>AED Pro</li> <li>X Series</li> </ul>

See reverse side for proper cable/connector requirements.

# ELECTRODE GUIDE



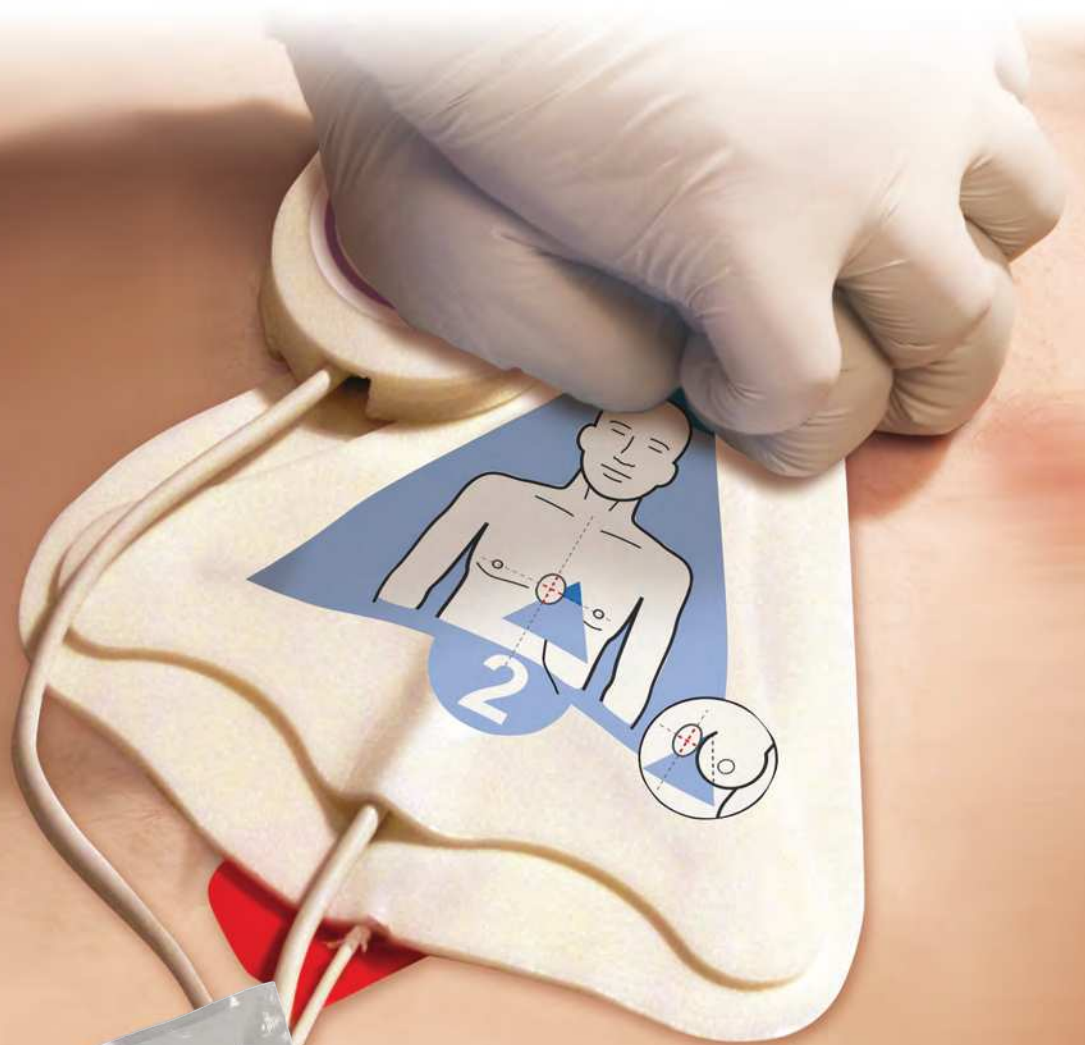
	CPR-D-padz®	CPR Stat-padz®	OneStep™ Complete	OneStep™ CPR AP	OneStep™ CPR AA	OneStep™ Pediatric CPR
<b>AED Plus®</b> 	<ul style="list-style-type: none"> <li>Connects directly for Real CPR Help® and defibrillation</li> </ul>	<ul style="list-style-type: none"> <li>Connects directly for Real CPR Help and defibrillation</li> </ul>	<ul style="list-style-type: none"> <li>Not compatible</li> </ul>	<ul style="list-style-type: none"> <li>Not compatible</li> </ul>	<ul style="list-style-type: none"> <li>Not compatible</li> </ul>	<ul style="list-style-type: none"> <li>Not compatible</li> </ul>
<b>AED Pro®</b> 	<ul style="list-style-type: none"> <li>Connects directly for Real CPR Help, See-Thru CPR®, and defibrillation</li> </ul>	<ul style="list-style-type: none"> <li>Connects directly for Real CPR Help, See-Thru CPR, and defibrillation</li> </ul>	<ul style="list-style-type: none"> <li>Not compatible</li> </ul>	<ul style="list-style-type: none"> <li>Not compatible</li> </ul>	<ul style="list-style-type: none"> <li>Not compatible</li> </ul>	<ul style="list-style-type: none"> <li>Not compatible</li> </ul>
<b>X Series®</b> 	<ul style="list-style-type: none"> <li>Requires CPR Connector (PN# 8000-0370) for CPR feedback</li> <li>Connects directly for defibrillation</li> </ul>	<ul style="list-style-type: none"> <li>Requires CPR Connector (PN# 8000-0370) for CPR feedback</li> <li>Connects directly for defibrillation</li> </ul>	<ul style="list-style-type: none"> <li>Connects directly for all capabilities</li> <li>No OneStep Pacing Capabilities</li> </ul>	<ul style="list-style-type: none"> <li>Connects directly for all capabilities</li> </ul>	<ul style="list-style-type: none"> <li>Connects directly for all capabilities</li> </ul>	<ul style="list-style-type: none"> <li>Connects directly for all capabilities</li> </ul>
<b>E Series®</b> 	<ul style="list-style-type: none"> <li>Requires CPR Connector (PN# 8000-0370) for CPR Feedback</li> <li>Connects directly for defibrillation</li> </ul>	<ul style="list-style-type: none"> <li>Requires CPR Connector (PN# 8000-0370) for CPR feedback</li> <li>Connects directly for defibrillation</li> </ul>	<ul style="list-style-type: none"> <li>Not compatible</li> </ul>	<ul style="list-style-type: none"> <li>Not compatible</li> </ul>	<ul style="list-style-type: none"> <li>Not compatible</li> </ul>	<ul style="list-style-type: none"> <li>Not compatible</li> </ul>
<b>R Series®</b> 	<ul style="list-style-type: none"> <li>Requires R Series® CPR Connector (PN# 8009-0020) for CPR Feedback</li> <li>Connects directly for defibrillation</li> </ul>	<ul style="list-style-type: none"> <li>Requires R Series CPR Connector (PN# 8009-0020) for CPR Feedback</li> <li>Connects directly for defibrillation</li> </ul>	<ul style="list-style-type: none"> <li>Connects directly for all capabilities</li> </ul>	<ul style="list-style-type: none"> <li>Connects directly for all capabilities</li> </ul>	<ul style="list-style-type: none"> <li>Connects directly for all capabilities</li> </ul>	<ul style="list-style-type: none"> <li>Connects directly for all capabilities</li> </ul>
<b>Shelf Life</b>	5 yrs	2 yrs	2 yrs	2 yrs	2 yrs	2 yrs
<b>Quantity and Part Numbers</b>	Individual: 8900-0800-01	Individual: 8900-0402 8 per case: 8900-0400	Individual: 8900-0224-01 8 per case: 8900-0214-01	Individual: 8900-0223-01 8 per case: 8900-0213-01	Individual: 8900-0225-01 8 per case: 8900-0217-01	Individual: 8900-000219-01 8 per case: 8900-000220-01

(AP: anterior-posterior; AA: anterior-anterior)  
See reverse side for individual product details.



# OneStep Electrodes

Resuscitation Electrodes for Every Need



**ZOLL**®

## OneStep Resuscitation Electrode Products

OneStep™ Resuscitation Electrodes set a new standard for speed to defibrillation, pacing, and CPR assistance.

Available in multiple formats—choose OneStep Complete or OneStep CPR for crash carts in high acuity areas, or specialty electrodes such as OneStep Pacing or OneStep Pediatric for specific needs.

## A New Standard in Electrode Technology

### Speed to Defibrillation

- Code-Ready® - OneStep electrodes are pre-connected to the defibrillator and conduct a daily Code-Ready test automatically without compromising the package. No need to disconnect for daily testing.
- Speed Pack - Simply grasp the blue ring, pull open, peel, and place on the patient. Quick application means quick therapy.

### Simplify Resuscitation

- OneStep Pacing - Integrated ECG electrodes in the anterior defibrillator pad eliminate the need for a separate ECG cable.
- Real CPR Help® - Real-time coaching on rate and depth of compressions through the built-in CPR sensor.

### Ensure Code Readiness

- Expiration Alert - The defibrillator automatically issues an alert when the electrode approaches its expiration date.



OneStep Electrode Pads are compatible with ZOLL® R Series® and M Series® defibrillators.



OneStep Complete, OneStep Basic, OneStep Pacing, and OneStep CPR Electrode Pads offer Speed Pack packaging for quick application.



OneStep Pediatric Electrode Pads enable the R Series to automatically adjust to proper pediatric energy levels.

## An Electrode for Every Need

### OneStep Basic

Ensuring electrode readiness and speed of defibrillation, the OneStep Basic Electrode includes a Code-Ready Connector and Speed Pack packaging.

### OneStep Pacing

All of the features of the OneStep Basic, plus simplified non-invasive pacing by combining leads into one pad, eliminating the need for separate ECG leads.

### OneStep CPR

Designed to help improve CPR quality and record chest compressions, OneStep CPR electrodes enable Real CPR Help visual and verbal cues on the R Series.

See-Thru CPR® allows clinicians to see organized electrical activity during compressions to reduce interruptions. Available in A/A or A/P format.

### OneStep Complete

Combines all Basic, Pacing, and CPR capabilities.

### OneStep Pediatric

Designed for patients 0 - 8 years of age and less than 55 lbs (25 kg). When used with the R Series, this electrode automatically adjusts the joules setting to pediatric levels. Available as one pack per case or eight packs per case.

	Code-Ready Connector	Speed Pack	Code-Ready Test	Expiration Alert	OneStep Pacing	Real CPR Help
	■	■	■			
	■	■	■	■	■	
	■	■	■	■		■
OneStep Complete	■	■	■	■	■	■
OneStep Pediatric	■			■		

\*Available in A/A or A/P format.

## General Specifications

Therapy Pads: Solid, adhesive polymer  
 ECG: Solid Gel  
 Therapy Pads: Tin  
 ECG: AgCl sensor  
 Protective outer tray containing multilayer foil laminate pouch  
 24 months  
 Low

Specifications subject to change without notice.

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Printed in U.S.A. 080910 9656-0195-05

**ZOLL**

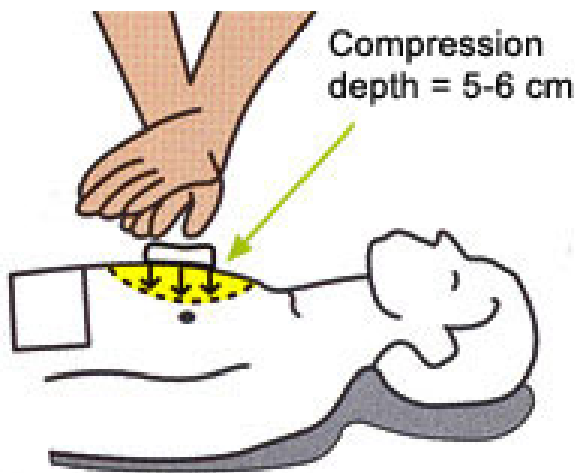


# CPR Stat-padz

## Benefits of Real CPR Help Comes with Placing CPR Stat-padz

ZOLL CPR Stat-padz<sup>®</sup> are designed for use with [AED](#) and [professional defibrillators](#). The two-piece construction ensures all therapy options are available to the ALS responder, while the unique design gives it utility in both the Anterior/Anterior and Anterior/Posterior placement.

### Real CPR Help



Failure to adequately compress a victim's chest or to compress too quickly is a common error during CPR. [Real CPR Help<sup>®</sup>](#) provides real-time feedback on compression rate and depth during CPR. Simply place hands on the CPR sensor and perform CPR; software in the AEDs and professional defibrillators evaluates rate and depth.

### See-Thru CPR

[See-Thru CPR<sup>®</sup>](#) allows rescuers to see the underlying electrical activity during compressions to minimize the duration of pauses.

# CPR Uni-padz Electrodes

Only 5-year AED electrodes that can be used for both adult and child patients



For use exclusively with the ZOLL AED 3<sup>®</sup>, CPR Uni-padz<sup>™</sup> electrodes have an industry-leading shelf life of five years and can be used on both adult and child patients, so there is no need to maintain two separate sets of pads.

The ZOLL AED 3 full-colour LCD display includes graphics that coincide with the electrode shapes and colours to support proper pad

placement on both adults and children.

By simply repositioning the pads and activating the Child Mode on the ZOLL AED 3, CPR Uni-padz can be used to treat child patients 8 years of age or younger or under 25 kg (55 lbs.).

CPR Uni-padz are pre-connected to the ZOLL AED 3 for fast deployment. The CPR landmark includes guidance for proper hand placement and provides ZOLL's exclusive >[Real CPR Help<sup>®</sup>](#) feedback.\*

## Real CPR Help

Inadequate compression rate and depth are common during CPR. Adult victims require 100 to 120 CPR compressions per minute and at a depth of between 5 to 6 cm (2 to 2.4 inches). Compressions must be done well to effectively move oxygenated blood to the heart and brain.

The [ZOLL AED 3](#) converts compression data instantaneously from the

CPR Uni-padz and provides voice, text and real-time visual feedback to help the rescuer on proper CPR rate and depth. Real CPR Help instructs the rescuer to "Push harder" if compressions are too shallow or encourages "Good compressions" if compression depth is within guidelines. It also shows CPR compression depth in real-time via a bar gauge on the full-colour display screen, allowing the rescuer to adjust depth on the very next compression if needed.

## **Everything You Need for the Rescue**

The CPR Uni-padz come complete with a CPR barrier mask, scissors, disposable gloves, a prep razor, a towel, and a moist towelette.

\*CPR depth feedback is disabled for paediatric patients. Compression depth guidelines for paediatric patients varies depending on the size of the child.

# CPR-D padz Trainer Electrodes



CPR-D padz<sup>®</sup> Trainer electrodes, ZOLL's unique system, allows users to simulate electrode application and hand placement for CPR. When used for CPR manikin practice, the AED Plus<sup>®</sup> Trainer and CPR-D padz<sup>®</sup> Trainer electrodes help train users to perform CPR with the correct compression depth and rate.

# CPR-D-padz

## One Electrode Pad is Easier than Two

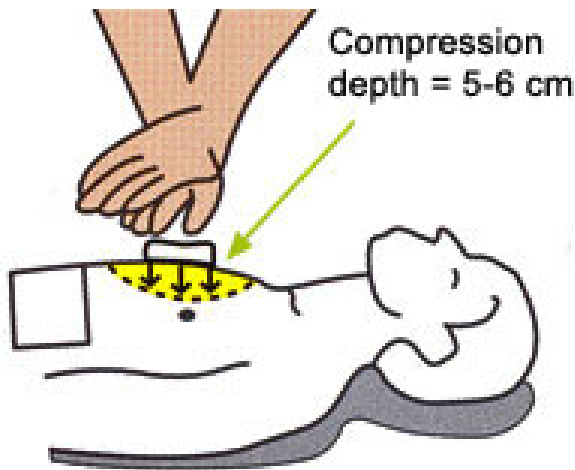


ZOLL's Full-Rescue AEDs feature CPR-D-padz<sup>®</sup> one-piece, pre-connected electrode with [Real CPR Help<sup>®</sup>](#) feedback.

Ordinary AEDs require that the rescuer use two separate electrodes. By using CPR hand placement as the landmark, it is easy to place the CPR-D-padz on the victim quickly. The CPR-D-padz also lasts five years-the longest shelf life of any [defibrillator electrode](#) sold today.

## Real CPR Help

Inadequate compression rate and depth are common during CPR. Adult victims need at least 100 compressions per minute and at a depth of at least 2 inches (5 cm). Compressions must be done well to effectively move blood and oxygen.

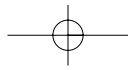


The ZOLL [AED Plus<sup>®</sup>](#) converts compression data instantaneously from the CPR-D-padz and provides an adaptive metronome to help the rescuer with the proper rate and depth, saying "Push harder" or "Good compressions," as needed. It also shows CPR compression depth on the display screen. ZOLL's AED Plus is the only AED that helps the rescuer achieve the correct rate

and depth of chest compressions during CPR. No other AED has this capability.

## Everything You Need for the Rescue

The CPR-D-padz comes complete with a CPR barrier mask, scissors, disposable gloves, a prep razor, a towel, and a moist towelette.



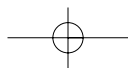
## **CPR stat•padz<sup>®</sup> & CPR-D•padz<sup>®</sup>**

Benefits of Real CPR Help<sup>™</sup> Come with  
Placing Electrodes

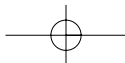


Get Real CPR Help<sup>™</sup> on ZOLL Defibrillators  
by Placing Electrodes. There are No  
Extra Sensors, Steps or Cables Required.

**ZOLL**<sup>®</sup>  
Advancing Resuscitation. Today.<sup>™</sup>







### Real CPR Help

Failure to adequately compress a victim's chest is a common error during CPR.<sup>1,2,3</sup> Real CPR Help converts compression data instantaneously, and provides visual and audio prompts to help the rescuer with the proper rate and depth. Activated audio prompts say, "Push Harder" or "Good Compressions."

### See-Thru CPR

See-Thru CPR<sup>4,5</sup> is an advanced feature on ZOLL's R Series<sup>TM</sup>, E Series<sup>®</sup> and AED Pro<sup>®</sup>. Artifact caused by CPR compressions is minimized giving clinicians the ability to see organized electrical activity during compressions without interruptions.

### CPR Index

The CPR Index<sup>TM</sup> is a feature on ZOLL's R Series and E Series. It is an intuitive visual summary of chest compression efforts that takes into account rate, depth and gaps between CPR cycles.

### CPR-D•padz

The **CPR-D•padz** was designed for ZOLL AEDs. The unique one-piece design uses a CPR landmark for hand placement, and makes it easy to place the **CPR-D•padz** on the victim quickly. The **CPR-D•padz** also lasts five years – the longest life of any electrodes sold today.



### CPR stat•padz

**CPR stat•padz** is designed for use with ZOLL manual defibrillators. The two piece construction ensures all therapy options are available to the ALS responder. The unique design gives it utility in both the Anterior/Anterior and Anterior/Posterior placement.



	Shelf Life	Construction	Defibrillate	Pace	Pre-Connect	Real CPR Help	See-Thru CPR <sup>4,5</sup>	CPR Index <sup>5</sup>
<b>CPR-D•padz</b>	5 Yrs	One Piece	■		■	■	■	■
<b>CPR stat•padz</b>	2 Yrs	Two Piece	■	■	■	■	■	■

## General Specifications

	<b>CPR stat•padz</b>	<b>CPR-D•padz</b>
<b>Conductive Gel:</b>	Solid, adhesive polymer	Solid, adhesive polymer
<b>Conductive Element:</b>	Tin	Tin
<b>Packaging:</b>	Multilayer laminate	Multilayer laminate
<b>Length, Lead Wires:</b>	49 in (124.5 cm)	36 in (91cm)
<b>Apex Electrode</b>		
<b>Length:</b>	6.5 in (16.5 cm)	6.1 in (15.5 cm)
<b>Width:</b>	4.0 in (10.2 cm)	5.6 in (14.1 cm)
<b>Total Area:</b>	26 in <sup>2</sup> (168.3cm <sup>2</sup> )	34.1 in <sup>2</sup> (86.6 cm <sup>2</sup> )
<b>Length, Conductive Gel:</b>	5 in (12.7 cm <sup>2</sup> )	3.5 in (8.9 cm)
<b>Width, Conductive Gel:</b>	3.5 in (8.9cm)	3.5 in (8.9 cm)
<b>Area, Conductive Gel:</b>	17.5 in <sup>2</sup> (113 cm <sup>2</sup> )	12.3 in <sup>2</sup> (79 cm <sup>2</sup> )
<b>Sternum Electrode</b>		
<b>Length:</b>	6.5 in (16.5 cm)	6.1 in (15.5 cm)
<b>Width:</b>	4.0 in (10.2 cm)	5 in (12.7cm)
<b>Total Area:</b>	26 in <sup>2</sup> (168.3cm <sup>2</sup> )	30.5 in <sup>2</sup> (77.5cm <sup>2</sup> )
<b>Length, Conductive Gel:</b>	5 in (12.7 cm)	3.5 in (8.9 cm)
<b>Width, Conductive Gel:</b>	3.5 in (8.9cm)	3.5 in (8.9 cm)
<b>Area, Conductive Gel:</b>	17.5 in <sup>2</sup> (113 cm <sup>2</sup> )	12.3 in <sup>2</sup> (79 cm <sup>2</sup> )
<b>Central Section</b>		
<b>Length:</b>	N/A	12.9 in (32.9 cm)
<b>Width:</b>	N/A	4.2 in (10.6 cm)
<b>Length, CPR Device:</b>	3.4 in (8.7cm)	3.4 in (8.7cm)
<b>Width, CPR Device:</b>	2 in (5.1 cm)	2 in (5.1 cm)

<sup>1</sup> Moser DK, Dracup K, Guzy PM, Taylor SE, Breu C. Cardiopulmonary resuscitation skills retention in family members of cardiac patients. American Journal of Emergency Medicine. 1990;498-503.

<sup>2</sup> Kern KB, Hilwig RW, Berg RA, Ewy GA. Efficacy of chest compression-only BLS CPR in the presence of an occluded airway. Resuscitation.1998;39:179-188.

<sup>3</sup> Handley AJ, Handley JA. The relationship between rate of chest compression and compression:relaxation ratio. Resuscitation. 1995;30:237-241.

<sup>4</sup> 510(k) pending

<sup>5</sup> Defibrillator dependent.

Currently See-Thru CPR is pending 510K clearance for the AED Pro and pending Health Canada medical Device License for the AED Pro and E Series.

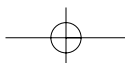
Specifications subject to change without notice.

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Advancing Resuscitation. Today. R Series, Real CPR Help, CPR Index and See-Thru CPR are trademarks of ZOLL Medical Corporation.

Printed in U.S.A. 050710 9656-0199



# ECG Electrodes

## Solving the Need for Rugged and Adhesive ECGs for EMS and Hospital Use

ZOLL ECG electrodes offer stable and reliable ECG traces with low signal noise. The aggressive adhesive allows for excellent patient adherence and withstands difficult conditions found in emergency situations.



Designed for use in emergency, holter, surgery, ICU/CCU, stress test, and EMS applications/environments.

Medical grade white polyethylene; soft closed cell foam/adhesive impervious to fluids.

High-tack medical grade adhesive ideal for all skin types including diaphoretic patients.

Wet conductive gel ensures the best skin coupling.

Rectangular shape permits electrodes to be placed close together on patients with smaller chests.

Sealed Tracerite™ gel cover system extends product life outside the pouch.

Meets all AAMI specifications.

Latex-free and hypoallergenic.

Available in pediatric size.

# Pedi·padz® II

Pediatric Electrodes for the AED Plus® and AED Pro®



**ZOLL**®

## Specifically Designed for ZOLL's AEDs

Pedi•padz® II electrodes are specifically designed, tested, and validated for use with the ZOLL AED Plus® and AED Pro®.

With AED Plus and AED Pro electrodes and standard cable connectors, you are assured of a complete system. No need for adapters, special connectors, or modified cables. There are no compromises with ZOLL electrodes.

ZOLL is the name you can rely on for high performance, proven efficacy, and ease of use.



## The Only Full-Rescue AED with Intelligent Pediatric Capability

ZOLL's unique intelligent pediatric capability is built into the AED Plus and AED Pro for pediatric patients. The device can sense when pediatric electrodes are attached and switch from an adult to pediatric ECG analysis algorithm. Pedi•padz II electrodes are designed especially for use with the AED Plus and AED Pro, and are also compatible with the M Series®, E Series®, and R Series® for continuity of care.\*



ZOLL's Intelligent Pediatric Capability Includes:

- Voice and text prompts that inform rescuers that Pedi•padz II are connected, ensuring that the proper electrodes are being used.\*
- Separate and specific algorithms designed for children are used to analyze a young victim's heart rhythm, as a child's heart rhythms vary from an adult's.\*
- With Pedi•padz II, the AED Plus/AED Pro provides pediatric-specific energy levels. Electronics in the AED adjust defibrillating energy levels automatically so that suitable doses are delivered accurately, when needed.
- The AED Plus and AED Pro do not rely on an attenuator in the wires of the pediatric electrodes to reduce delivered energy, ensuring that child patients always receive appropriate, pediatric-specific energy levels.
- Pedi•padz II are designed with anatomical diagrams on the package to facilitate fast and accurate pad placement.

## Pedi•padz II Specifications

### Indications for Use

*Patient Age:* 0-8 Years

*Patient Weight:* Under 55 lbs/25 kg

### Intelligent Pediatric Capability

*Devices:* AED Plus and AED Pro

*Device Energy Levels:* 50, 70, 85 Joules

*Patient Analysis:* Analyzes based on pediatric – specific algorithm

### Electrode Specifications

*Shelf Life:* 24 months

*Backing Material:* Closed Cell Polyethylene

*Conductive Gel:* Hydrogel

*Conductive Element:* Tin

*Connection Method:* Pre-attached

*Packaging:* Paper/Polyfoil laminate

*Impedance Class:* Low

*Length, Lead Wires:* 34.0 inches / 86.4 cm

### Front Electrode

*Shape:* Round

*Diameter, Total:* 3.7 inches / 9.4 cm

*Area, Total:* 10.75 square inches / 69.4 sq cm

*Diameter, Conductive Gel:* 2.85 inches / 7.24 cm

*Area, Conductive Gel:* 6.37 square inches / 41.1 sq cm

### Back Electrode

*Shape:* Rectangular

*Length, Total:* 5.43 inches / 13.8 cm

*Width, Total:* 3.5 inches / 8.9 cm

*Area, Total:* 19.0 square inches / 122.6 sq cm

*Length, Conductive Gel:* 3.58 inches / 9.1 cm

*Width, Conductive Gel:* 2.18 inches / 5.5 cm

*Area, Conductive Gel:* 7.81 square inches / 50.3 sq cm

### Order Information

*Case Part Number:* 8900-0810

*Case Count:* 1 pair



\*With M Series, E Series and R Series defibrillators, Pedi•padz II must be used in manual mode. Energy levels do not adjust automatically and the electrodes are not recognized by the device as pedi•padz.

Specifications subject to change without notice.

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Printed in U.S.A. 081010 9656-0172

# ZOLL®

# Pedi-padz

## **Meeting the challenges of paediatric patients**

ZOLL's Pedi-padz<sup>®</sup> Multi-Function Electrodes are the most technologically advanced paediatric multifunction electrodes, designed to meet all paediatric ACLS criteria. Specially formulated low-viscosity gel provides the best skin coupling, lowers resistance quickly, and virtually eliminates dermal damage. Both Pedi-padz Multi-Function Electrodes and Pedi-padz Pacing Only Electrodes offer anatomically-correct diagrams on the packaging to facilitate proper pad placement.

# Pedi-padz II

## The Only Full-Rescue AED with Intelligent Paediatric Capability



The ZOLL AED Plus<sup>®</sup> Intelligent Paediatric Capability includes voice and text prompts that tell rescuers that Pedi-padz<sup>®</sup> II are connected, ensuring that the proper **defibrillator electrodes** are being used. When a cardiac arrest occurs, the fact is that only half of the victims will need a shock. However every victim of SCA needs the best possible CPR to survive.

Separate and specific algorithms for adults and children are used to analyze a victim's heart rhythm. The **ZOLL AED Plus** can defibrillate children up to eight years of age, using the Pedi-padz II electrodes. Separate energy levels have also been incorporated for paediatric patients. Electronics in the AED Plus adjust defibrillating energy levels automatically so that suitable doses are delivered accurately, when needed. With ECG analysis designed specifically for a paediatric heart rate, coupled with appropriate defibrillation energy levels, the AED Plus can handle both adult and paediatric rescues.

Pedi-padz II electrodes are designed especially for use with the AED Plus, and are also compatible with professional defibrillators, allowing continuity of care. The AED Plus does not rely on a resistor or other hardware in the wires to reduce delivered energy. Anatomical diagrams on the package facilitate proper pad placement.



# Pro-padz

Optimized for procedures in the electrophysiology lab, catheterization lab, OR, radiology suites, ED, and CCU

**Cardiology Specialty Multi-Function Electrodes**, with a low viscosity gel that provides the best skin coupling, are designed to virtually eliminate dermal damage in special procedure areas of the hospital.



**Radiolucent Multi-Function Electrodes** are designed to provide an unobstructed view of the coronary arteries during x-ray studies. Available in solid or liquid gel.

**Biphasic Multi-Function Electrodes** are part of the complete [Rectilinear Biphasic™ system](#) —ZOLL's breakthrough technology—proven to achieve superior results in cardioversion of atrial fibrillation. Lower energy levels combined with the unique liquid gel technology virtually eliminate post-procedural dermal damage.

**Sterile Multi-Function Electrodes**, with a unique two-pouch system that allows placement of the posterior electrode prior to surgery, are optimal for use in the operating room. Also available with 10' (3 m) lead wires.

**Pacing Only Electrodes** are long-term [pacing electrodes](#) proven to work with ZOLL's patented 40 msec pulse duration pacing, providing the lowest mean capture thresholds and highest capture rates.

# *solid gel pedi-padz™*

## for Emergency Situations



**ZOLL**  
*It's about time.*

## Meeting the challenges of pediatric patients and the rugged demands of the EMS environment.

**pedi-padz** Multi-Function Electrodes are the most technologically advanced Pediatric Multi-Function Electrodes designed to meet all Pediatric ACLS criteria. The high viscosity “solid” gel provides excellent skin coupling, lowers resistance quickly, virtually eliminates dermal damage, and has no storage limitations (does not have to be stored flat) making it an excellent choice for EMS applications.

**pedi-padz** Multi-Function Electrodes offer anatomically correct diagrams on the packaging to facilitate proper pad placement.



**pedi-padz**—specially sized to meet AHA pediatric ACLS criteria.

### Solid gel **pedi-padz** Specifications

Shelf Life:	24 months
Conductive Gel:	Polymer hydrogel
Conductive Element:	Tin
Packaging:	Paper/poly/foil laminate
Impedance Class:	Low
Length, Lead Wires:	18.0 in (45.7 cm)
Pacing Time:	1 hour

#### FRONT (Apex) Electrode

Shape:	Round
Diameter, Total:	3.8 in (9.7 cm)
Area, Total:	10.8 sq in (69.3 sq cm)
Diameter, Conductive Gel:	2.9 in (7.2 cm)
Area, Conductive Gel:	6.4 sq in (41.1 sq cm)

#### BACK (Sternum) Electrode

Shape:	Rectangular
Length, Total:	5.4 in (13.8 cm)
Width, Total:	3.5 in (8.9 cm)
Area, Total:	19.0 sq in (122.6 sq cm)
Length, Conductive Gel:	3.6 in (9.1 cm)
Width, Conductive Gel:	2.2 in (5.5 cm)
Area, Conductive Gel:	7.8 sq in (50.3 sq cm)

Case Part Number:	8900-3000-01
Case Count:	6 pairs

**pedi-padz** have a backing material of closed cell polyethylene foam and connect via a pre-attached lead with keyed ZOLL connector.

Related Product:	Pediatric ECGs
Case Part Number:	8900-1003-01
Electrodes/pouch:	3
Pouches/case:	100

**ZOLL**  
about time.

# Stat-padz



ZOLL Stat-padz® are the fastest, easiest-to-use multi-function **defibrillator electrodes** and are optimized for emergency resuscitation situations. Unique ZOLL features save life-saving seconds and maximize efficacy:

*Preconnect™* saves critical application time.

*Speed Pack™* reduces cord tangles and fumbling.

Anatomically correct diagrams facilitate proper pad placement.

Improved polymer gel enhances lateral conductivity; results in less skin effects.

Center energy feed distributes energy uniformly; reduces edge effect.

Differentiated round front and rectangular back pads are diagrammed to facilitate proper pad placement.

For compatibility with AED Plus and AED Pro, chose Stat padz II. Same great features as the Stat-padz, but with a specially designed connector that works directly with the AEDs.

Алматы (7273)495-231  
Ангарск (3955)60-70-56  
Архангельск (8182)63-90-72  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Благовещенск (4162)22-76-07  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Владикавказ (8672)28-90-48  
Владимир (4922)49-43-18  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Коломна (4966)23-41-49  
Кострома (4942)77-07-48  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Курган (3522)50-90-47  
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Ноябрьск (3496)41-32-12  
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Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
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