



USER MANUAL

CRIB BLOCKS

ENGLISH ORIGINAL RESQTEC USER MANUAL

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1. INTRODUCTION: SAFETY FIRST!

1.1. SAFETY MESSAGES



This manual contains safety messages. They point out potential hazards that could hurt you or others around you as well as damage the equipment in use. These messages should therefore be read carefully and understood. They are highlighted by the safety alert symbol as shown on the left:

The potential hazards are explained as to what could happen and how to avoid or reduce the chance for injury or damage.



Important information has been highlighted as well. To point out this information, a light bulb icon is used. It brings topics to your attention that could, for example, facilitate maintenance or to clarify when it is advisable to consult your distributor/supplier.

1.2. GENERAL SAFETY INFORMATION

Resqtec equipment is designed to provide safe operation. All users should read and be thoroughly familiar with the operating instructions and safety precautions stated in this manual. Operator safety depends on users being properly trained by the Authority having jurisdiction and using the tool for its intended purposes only. The following safety precautions must be observed at all times:



UNTRAINED USE OF RESQTEC RESCUE EQUIPMENT AND ITS ACCESSORIES MAY RESULT IN VERY DANGEROUS AND POTENTIALLY HARMFUL SITUATIONS. DO NOT ATTEMPT!

- Resqtec equipment must only be operated by people authorized and qualified by the Authority having jurisdiction.
- Be aware that this is not an all-encompassing training manual. This manual is meant as a reference-guide for working with this specific piece of equipment, and the user should already be trained in and qualified for using rescue equipment.
- Suitable protective equipment must be worn as directed by the Authority having jurisdiction. At a minimum, this should include gloves, helmet, eye protection and body protection — such as turnout gear.



- Prior to use, inspect all components for any signs of damage or fraying. Do not use damaged equipment.
- Stay alert. Do not operate the system when tired.
- Use only Resqtec authorized service parts.
- This equipment should only be used with accessories approved by Resqtec. Use of unauthorized accessories can result in unpredictable and unreliable product operation and is therefore prohibited.

⚠ DANGER

PERSONAL RESPONSIBILITY CODE

The member companies of FEMSA that provide emergency response equipment and services want responders to know and understand the following:

1. Firefighting and Emergency Response are inherently dangerous activities requiring proper training in their hazards and the use of extreme caution at all times.
2. It is your responsibility to read and understand any user's instructions provided with any piece of equipment you may be called upon to use.
3. It is your responsibility to know that you have been properly trained in Firefighting and/or Emergency Response and in the use, precautions, and care of any equipment you may be called upon to use.
4. It is your responsibility to be in proper physical condition and to maintain the personal skill level required to operate any equipment you may be called upon to use.
5. It is your responsibility to know that your equipment is in operable condition and has been maintained in accordance with the manufacturer's instructions.
6. Failure to follow these guidelines may result in death, burns or other severe injury.



Fire and Emergency Manufacturers and Services Association, Inc.
P.O. Box 147, Lynnfield, MA 01940 www.FEMSA.org

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1.3. SAFETY INFORMATION

Before using the Crib Blocks and its related products and accessories, conduct an overall size-up of the intended use and safeguard against potential hazards before installing the product. Read and understand this manual before using the Crib Blocks.



The WARNING and SAFETY labels on the product alert the user to special hazards inherent with its use. Should they become damaged or unreadable, contact the manufacturer to obtain a replacement.



BEFORE INSTALLING THE PRODUCT, BE AWARE OF THE FOLLOWING:

- Make sure no one on site is in danger or might get, when using Resqtec equipment. Be aware of your surroundings, the situation you and the people around you are in, and what the consequences of the use of the Resqtec system are.
- NEVER, when in use, place your hands or any other body parts between the Crib Blocks and a (stationary) object. Doing so can result in serious personal injury.
- Stay alert. Do not operate when tired.

1.4. APPLICABLE TYPES

This manual covers the following product types:

ARTICLE NUMBER	ITEM DESCRIPTION
8400.0660	CB40
8400.0670	CB80
8400.0512	CB600 with strap
8400.0650	Wedge
8400.0620	Rapid Stair
8400.0550	Connector
8400.0640	Saddle Wedge with strap
8400.0560	Transport & Storage Box

2. PRODUCT SUMMARY

2.1. INTRODUCTION

Thank you for choosing Resqtec. We are confident that we live up to your expectations. This manual has been compiled carefully to supply the reader with all the necessary information. Read all the instructions before using the Crib Blocks to assure safe and optimal use. These instructions contain aspects relevant to safe and optimal use of the Crib Blocks.

The Crib Blocks have been manufactured by Resqtec Zumro. For addresses, please refer to the last page of this manual or to our internet site at www.resqtec.com.

2.2. PRODUCT DESCRIPTION

The Crib Block has been designed and engineered to assist firefighters, USAR-teams and other rescue workers with the various rescue applications they encounter. We are confident that the design of this product will enable those working in these environments to not only negotiate the obstacles they encounter, but to perform their work more safely.

The Crib Blocks are made from high quality recycled polyethylene, which is splinter free and does not absorb fluids. The unique interlocking system of the Crib Blocks allow for creating a variety in stabilization structures with ease. The reversibility of the cribbing blocks can create a flat surface ideal for lifting purposes.

3. PRODUCT RANGE

3.1. PRODUCTS & ACCESSORIES

ARTICLE NUMBER	ITEM DESCRIPTION	PICTURE
8400.0660	CB40	
8400.0670	CB80	
8400.0512	CB600 with strap	
8400.0650	Wedge	
8400.0620	Rapid Stair	
8400.0550	Connector	
8400.0640	Saddle Wedge with strap	

ARTICLE NUMBER	ITEM DESCRIPTION	PICTURE
8400.0560	Transport & Storage Box	

4. GENERAL OPERATING INSTRUCTIONS

4.1. INITIAL USE

When receiving your equipment, check for any sign of damage to the box, and report it to your distributor/supplier as damage could have occurred during shipping. Unpack in upright position and check the Crib Block for damage. To make sure the equipment conforms to your specifications, check the product details.



CHECK THE EQUIPMENT FOR EXTERNAL DAMAGE. NOTIFY YOUR DISTRIBUTOR/SUPPLIER IMMEDIATELY IF ANY DAMAGE IS FOUND. DO NOT USE DAMAGED EQUIPMENT UNDER ANY CIRCUMSTANCE!

In general we distinguish a couple of different types of operations:

- Using the Rapid Stair
- Following the load upwards
- Following the load downwards
- Connecting Crib Blocks with connectors

4.2. PREPARATION BEFORE USE

<ul style="list-style-type: none"> • Check the Crib Blocks visually. Do not use if they exhibit major damage. 	<ul style="list-style-type: none"> • See chapter 6 for further information.
<ul style="list-style-type: none"> • Check the strap. It must be firmly fixed. 	<ul style="list-style-type: none"> • See chapter 6 for further information.

4.3. USING THE RAPID STAIR

1

Place the Saddle Wedge with strap on top of the Rapid Stair.

2

Place the stair under the object to be stabilized.



MAKE SURE TO HAVE BOTH STRAPS ON THE REAR SIDE.

3

Pull the strap of the Saddle Wedge firmly until it's stuck between the stair and the object.



MAKE SURE TO HAVE ONE FOOT PLACED AGAINST THE RAPID STAIR, SO THAT IT CANNOT SLIDE.

4

When a little more pressure is required, it's possible to push a wedge underneath the Rapid Stair.

4.4. FOLLOWING THE LOAD UPWARDS

1



Place the Saddle Wedge on top of the Rapid Stair.

2



Place the stair under the object to be stabilized.



MAKE SURE TO HAVE BOTH STRAPS ON THE REAR SIDE.

3



Pull the strap of the Saddle Wedge firmly until it's stuck between the stair and the object.



MAKE SURE TO HAVE ONE FOOT PLACED AGAINST THE RAPID STAIR, SO THAT IT CANNOT SLIDE.

4



Keep on pulling the strap while the load is going up.



MAKE SURE TO STOP IN TIME! THE STROKE OF THE RAPID STAIR IS LIMITED. WHEN LARGER HEIGHTS ARE REQUIRED, STACK CRIB BLOCKS CB 600 UNDERNEATH OR SMALLER ONES ON TOP OF THE SADDLE WEDGE WITH STRAP. CHECK CHAPTER 6 FOR LIMITATIONS.

4.5. FOLLOWING THE LOAD DOWNWARDS

- | | | |
|---|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 1 |  | <p>Place the Rapid Stair under the object that's about to be lowered. Leave a very narrow space between the Rapid Stair and the object.</p> |
| 2 |  | <p>Slowly pull the Rapid Stair outwards, while leaving a narrow space between the Rapid Stair and the object.</p> |

4.6. CONNECTING CRIB BLOCKS WITH CONNECTORS

- | | | |
|---|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 1 |  | <p>Place 2 Crib Blocks upside down and next to each other.</p> |
| 2 |  | <p>Push the connector firmly in the shared gap.</p> |
| 3 |  | <p>If required; screw the bones into the blocks, to create a solid connection</p> |

5. SPECIFICATIONS

5.1. TECHNICAL SPECIFICATIONS

CB40	SI –SYSTEM DATA	IMPERIAL SYSTEM DATA
Maximum allowable load	20 ton	22 US ton
Dimensions	200 x 200 x 40 mm	7.9" x 7.9" x 1.6"
Weight	1.3 kg	4 lbs

CB80	SI –SYSTEM DATA	IMPERIAL SYSTEM DATA
Maximum allowable load	20 ton	22 US ton
Dimensions	200 x 200 x 80 mm	7.9" x 7.9" x 3.2"
Weight	2.5 kg	5.5 lbs

CB600 WITH STRAP	SI –SYSTEM DATA	IMPERIAL SYSTEM DATA
Maximum allowable load	60 ton	66.1 US ton
Dimensions	600 x 200 x 80 mm	23.6" x 7.9" x 3.2"
Weight	7.9 kg	17.4 lbs

WEDGE	SI –SYSTEM DATA	IMPERIAL SYSTEM DATA
Maximum allowable load	20 ton	22 US ton
Dimensions	200 x 200 x 90 mm	7.9" x 7.9" x 3.5"
Weight	1.6 kg	3.5 lbs

SADDLE WEDGE WITH STRAP	SI –SYSTEM DATA	IMPERIAL SYSTEM DATA
Maximum allowable load	10 ton	11 US ton
Dimensions	200 x 200 x 95 mm	7.9" x 7.9" x 3.7"
Weight	2.0 kg	4.4 lbs

RAPID STAIR	SI –SYSTEM DATA	IMPERIAL SYSTEM DATA
Maximum allowable load	10 ton	11 US ton
Dimensions	625 x 200 x 260 mm	24.6" x 7.9" x 10.2"
Weight	6.5 kg	14.3 lbs

CONNECTOR	SI –SYSTEM DATA	IMPERIAL SYSTEM DATA
Dimensions	123 x 40 x 15 mm	4.8" x 1.6" x 0.6"
Weight	0.1 kg	0.2 lbs

TRANSPORT & STORAGE BOX	SI –SYSTEM DATA	IMPERIAL SYSTEM DATA
Dimensions	610 x 406 x 280 mm	24" x 16" x 11"
Weight	2.5 kg	5.5 lbs

6. MAINTENANCE & STORAGE

6.1. MAINTENANCE AFTER USE



Generally speaking it is most important is to keep your equipment clean. Clean equipmen twill not wear down as fast; hence a longer service life can be achieved.

	ACTION	EXPLANATION	ADDITIONAL INFORMATION
1.	Check the Crib Block for any damage.	<ul style="list-style-type: none"> • Visually check for damage. 	 If structural damage is discovered, contact your Resqtec distributor/supplier.
2.	Check the strap.	<ul style="list-style-type: none"> • Visually check for damage. • Check if the strap is still firmly fixed. 	 If structural damage is discovered, contact your Resqtec distributor/supplier.

6.2. REGULAR MAINTENANCE



It is advisable to carry out regular maintenance; depending on the use at least every 3 months.

When carrying out regular maintenance one should, in addition to the steps described in chapter 6.1, pay extra attention to the following:

1.	Check the Crib Blocks for any damage.	<ul style="list-style-type: none"> • Visually check for damage. 	 If structural damage is discovered, contact your Resqtec distributor/supplier.
2.	Check the strap.	<ul style="list-style-type: none"> • Visually check for damage. • Check if the strap is still firmly fixed. 	 If structural damage is discovered, contact your Resqtec distributor/supplier.
3.	Clean and dry the Crib Block before storage.	<ul style="list-style-type: none"> • Preferably use dry, clean paper cloth. • Mild soapy water can be used if necessary. 	 Do NOT use any oil. Dry thoroughly after using water.



STRUCTURALLY DAMAGED AND/OR BROKEN EQUIPMENT MUST NEVER BE USED DURING RESCUE OPERATIONS. THIS MAY RESULT IN VERY DANGEROUS AND POTENTIALLY HARMFUL SITUATIONS. DO NOT ATTEMPT!

If structural damage and/or broken equipment or parts are discovered, immediately contact your distributor/supplier or the manufacturer.



DO NOT REPAIR ANY BROKEN EQUIPMENT AND/OR PARTS. ALWAYS CONTACT YOUR DISTRIBUTOR/SUPPLIER OR THE MANUFACTURER.

Repairing equipment and/or parts causes your warranty to expire. Always contact your distributor/supplier when broken parts and/or equipment are discovered.

6.3. RECOMMENDED STORAGE

The following storage recommendations count for all Crib Block models:

- Store out of direct sunlight
- Store the equipment in a dry, well-ventilated area:

Recommended storage temperature range	10 °C – 30 °C/50 °F – 86 °F
Recommended storage relative humidity	0 – 60%

6.4. DECOMMISSIONING & RECYCLING

The various parts can be re-used at the end of their service life.

Consult your distributor / supplier for further information on recycling and/ or follow local regulations on disposal.

7. WARNINGS & LIMITATIONS

7.1. STACKING HEIGHT



NEVER BUILD A STACK HIGHER (H) THAN 3X THE (SMALLEST) WIDTH (W). WHEN A HIGHER STACK IS REQUIRED FIRST CREATE A LARGER FOOTPRINT.

	<p>7 x CB80</p> <p>W = 200 $3 \times 200 = 600$ 7 x (H)80 < 600</p>	
	<p>8 x CB80</p> <p>W = 200 $3 \times (W)200 = 600$ 8 x (H)80 > 600</p>	
	<p>7 x CB600</p> <p>W = 200 $3 \times (W)200 = 600$ 7 x (H)80 < 600</p>	
	<p>8 x CB600</p> <p>W = 200 $3 \times (W)200 = 600$ 8 x (H)80 > 600</p>	
	<p>22 x 3 x CB600</p> <p>W = 600 $3 \times (W)600 = 1800$ 22 x (H)80 < 1800</p>	
	<p>23 x 3 x CB600</p> <p>W = 600 $3 \times (W)600 = 1800$ 23 x (H)80 > 1800</p>	

7.2. POWER PLATE AND COLUMN GANTRY

The Resqtec Power Plate and Column Gantry have the same pattern as the Crib Blocks. The Crib Blocks fit in the designated pockets of the Power Plate and the Column Gantry preventing the blocks from sliding out. This does not mean that the different components are mounted.



WHEN CONNECTING CRIB BLOCKS AND A POWER PLATE OR A COLUMN GANTRY, ALWAYS KEEP IN MIND THAT THE INDIVIDUAL COMPONENTS ARE NOT SOLIDLY CONNECTED.

8. WARRANTY

Resqtec offers two years warranty upon the purchase of this product. For extending your warranty or information about the Resqtec service program, please contact your Resqtec distributor/supplier.



WARRANTY IS ONLY VALID IF THE REGULATIONS AND RESTRICTIONS, AS DESCRIBED IN THE USER MANUAL APPLICABLE ON THE USED PRODUCT(S), ARE UNDERSTOOD AND FOLLOWED, AND IF THE MAINTENANCE AS ADVISED IN THE USER MANUAL IS DONE BY AN AUTHORIZED RESQTEC TECHNICIAN. DISREGARDING ANY OF THE APPLICABLE REGULATIONS AND RESTRICTIONS, AS DESCRIBED IN THE USER MANUAL APPLICABLE ON THE USED PRODUCT(S), WILL CAUSE THE WARRANTY TO VOID.

9. DISCLOSURE

All rights reserved. No part of this publication whatsoever may be reproduced without the prior written consent of Resqtec.

All information herein was carefully gathered and examined. However, we cannot be held responsible for eventual mistakes or incompleteness. Resqtec may exercise the right to change or modify parts of the equipment at any time without notification. This manual may be subject to error, revision and technical modifications. For detailed information, and as we constantly improve our equipment, please check the latest specification sheet. This manual is based on and refers to current production models only. Resqtec accepts no liability for any damage and/or injuries resulting from the use of this manual in connection with any equipment which has been or may be supplied. For any additional information concerning the use of the manual or the maintenance or repair of Resqtec equipment, please contact the Resqtec distributor/supplier or an officially appointed distributor/supplier. Utmost care has been taken in the preparation and accuracy of this manual. Resqtec cannot however be held liable for errors, omissions or consequential liabilities in the use of it.

10. CONTACT

ADDRESSES RESQTEC OFFICES

European office

Meer en Duin 82
2163 HC Lisse, the Netherlands
T +31 (0)252 419002
F +31 (0)252 411794

E info@resqtec.com
I www.resqtec.com

USA office

300 Forge Way, Suite 2
Rockaway, New Jersey, 07866
T: +1 973 627 4646
F: +1 973 627 4622

Asia office

Lot 5, Jalan Delima 1/1
Subang Hi-Tech Industrial Park
47 500 Selangor, Malaysia
T +603 5621 5298
F +603 5621 2895

RESQTEC Zumro B.V.

Meer en Duin 82 | 2163 HC Lisse, the Netherlands

T +31 (0)252 419002 **F** +31 (0)252 411794 **E** info@resqtec.com

RESQTEC[®]

WWW.RESQTEC.COM