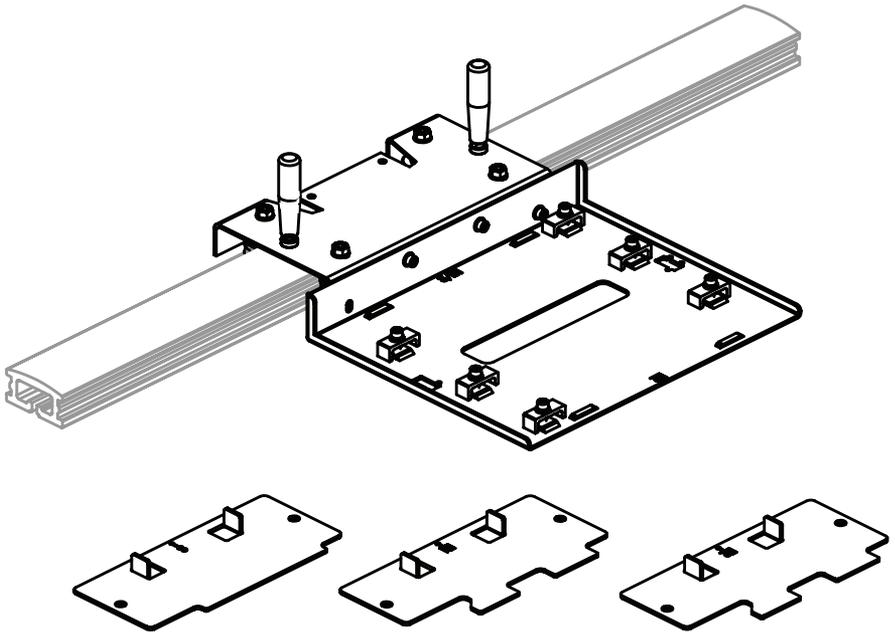


Alpha[®] ASC-6CSM Carriage Assembly for the 6" Stone Cutter Instruction Manual



**Part No: ASC-6CSM
Version 1**

 **Alpha Professional Tools**[®]

103 Bauer Drive, Oakland, NJ 07436 • 800-648-7229 • Fax: 800-286-0114
www.alpha-tools.com

TABLE OF CONTENTS

Introduction.....	3
Mounting and Alignment Procedure	
Straight Cut.....	4
Miter Cut-1.....	5
Miter Cut-2.....	7
Alpha® Carriage Schematics	8
Alpha® ASC-6CSM Schematics.....	9
Alpha® ASC-6CSM Parts List	10

INTRODUCTION

Thank you for purchasing the Alpha® ASC-6CSM Carriage Assembly as part of the Guide Rail System for the 6" Stone Cutter. Please read this instruction manual thoroughly to ensure safe and correct use of the wet stone cutter. Keep this manual in a place where operators can access it easily whenever necessary.

MOUNTING AND ALIGNMENT PROCEDURE

► STRAIGHT CUT

1. Place Template-S on the Carriage Base location marked “S / M1”, making sure that the Template-S makes contact with both tabs on the Carriage Base. (See Figure 1)

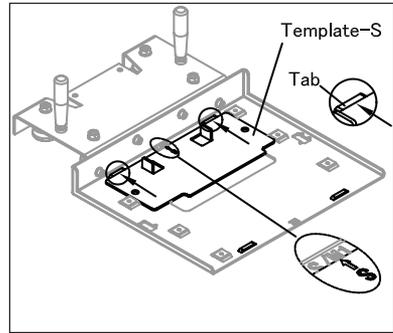


Figure 1

2. Place the Stone Cutter with the blade already mounted onto the Carriage Base. Align the Stone Cutter so the blade makes flush contact with Template-S. (See Figure 2)

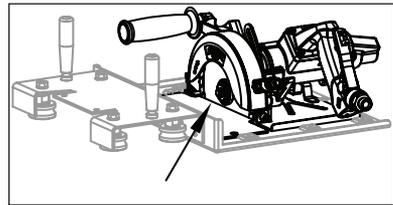


Figure 2

3. Secure the Stone Cutter to the Carriage Base by using three pieces of the Clamping Plate Assembly. (See Figure 3)

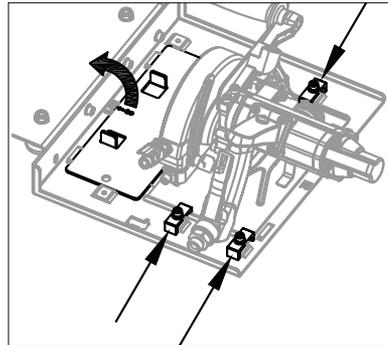


Figure 3

4. After the Stone Cutter is completely secured to the Carriage Base, remove Template-S from the Carriage Base. (See Figure 3)

MOUNTING AND ALIGNMENT PROCEDURE

► MITER CUT - 1

1. Place Template-M1 on the Carriage Base location marked "S / M1", making sure that the Template-M1 makes contact with both tabs on the Carriage Base. (See Figure 4)

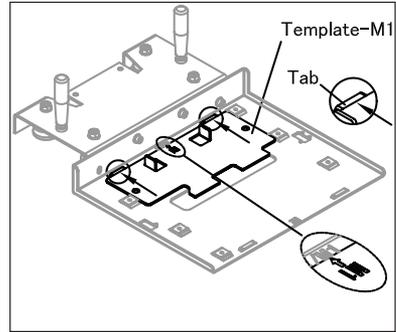


Figure 4

2. Place the Stone Cutter with the blade already mounted and positioned in the 45 degree angle onto the Carriage Base. Align the Stone Cutter so the blade makes flush contact with Template-M1. (See Figure 5)

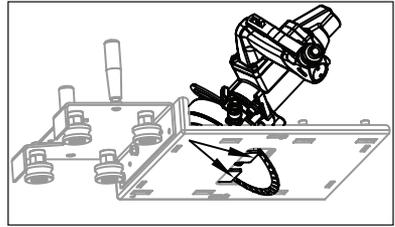


Figure 5

3. Secure the Stone Cutter to the Carriage base by using three pieces of the Clamping Plate Assembly. (See Figure 6)

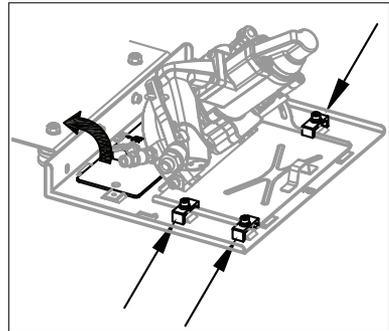


Figure 6

4. After the Stone Cutter is completely secured to the Carriage Base, remove Template-M1 from the Carriage Base. (See Figure 6)

NOTE:

- *When making miter cuts, your first miter cut should be the setup for Miter Cut-1 using Template-M1 followed by your second miter cut using the setup of Template-M2.*
- *The Carriage Assembly (ASC-6CSM) is designed for the Alpha® 6" Stone Cutter for straight cuts as well as miter cuts. This carriage has three templates included that assist the install of the stone cutter for left side or right side miter cutting and straight cutting. If you have two sets (Stone Cutter & Carriage Assembly) setup in each direction on the same guide rail, you can cut a V and the edges would be ready for lamination. If you have a single setup (Stone Cutter & Carriage Assembly), the guide rail only needs to be setup once on the material. The Stone Cutter can then be positioned to create the first miter cut, then repositioned to create the second miter cut to create the V so the edges are ready for lamination.*
- *Grip Handles are included with the Carriage Assembly and are to be attached onto the guide rail carriage. These two grip handles will assist the operator for pushing the Carriage Assembly across the guide rail for all cutting applications allowing the operator to keep one hand on the handle of the stone cutter and the other hand on one of the grip handles.*
- *No matter how you use the Alpha® Guide Rail System, there is always a risk of scratching hard surfaces regardless of the materials you are working on. We suggest using the Alpha® Surface Protection Tape (BAB0650) to protect the surface from potential scratches caused by these applications*

MOUNTING AND ALIGNMENT PROCEDURE

► MITER CUT - 2

1. Place Template-M2 on the Carriage Base location marked "M2", making sure that the Template-M2 makes contact with both tabs on the Carriage Base. (See Figure 7)

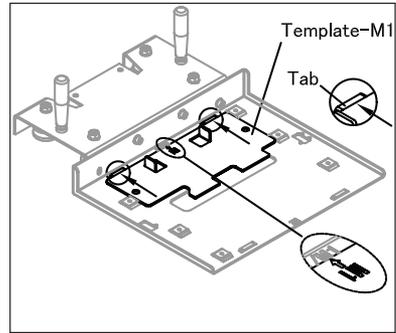


Figure 7

2. Place the Stone Cutter with the blade already mounted and positioned in the 45 degree angle onto the Carriage Base. Align the Stone Cutter so the blade makes flush contact with Template-M2. (See Figure 8)

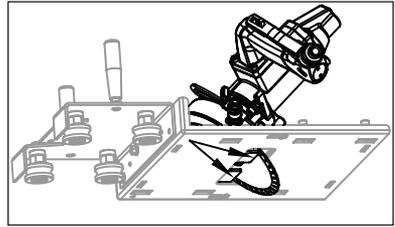


Figure 8

3. Secure the Stone Cutter to the Carriage base by using three pieces of the Clamping Plate Assembly. (See Figure 9)

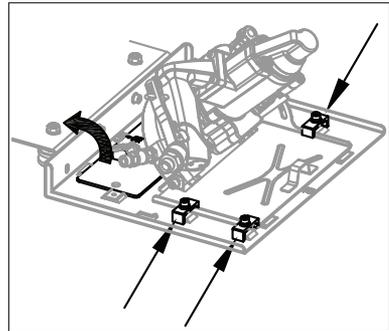
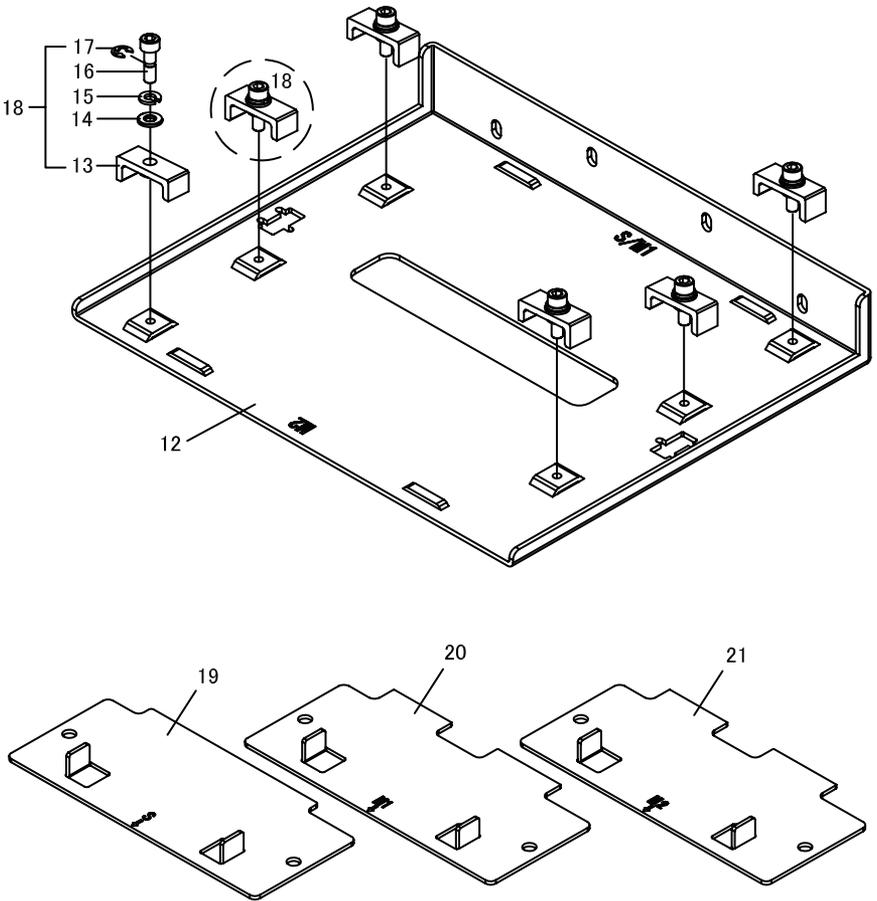


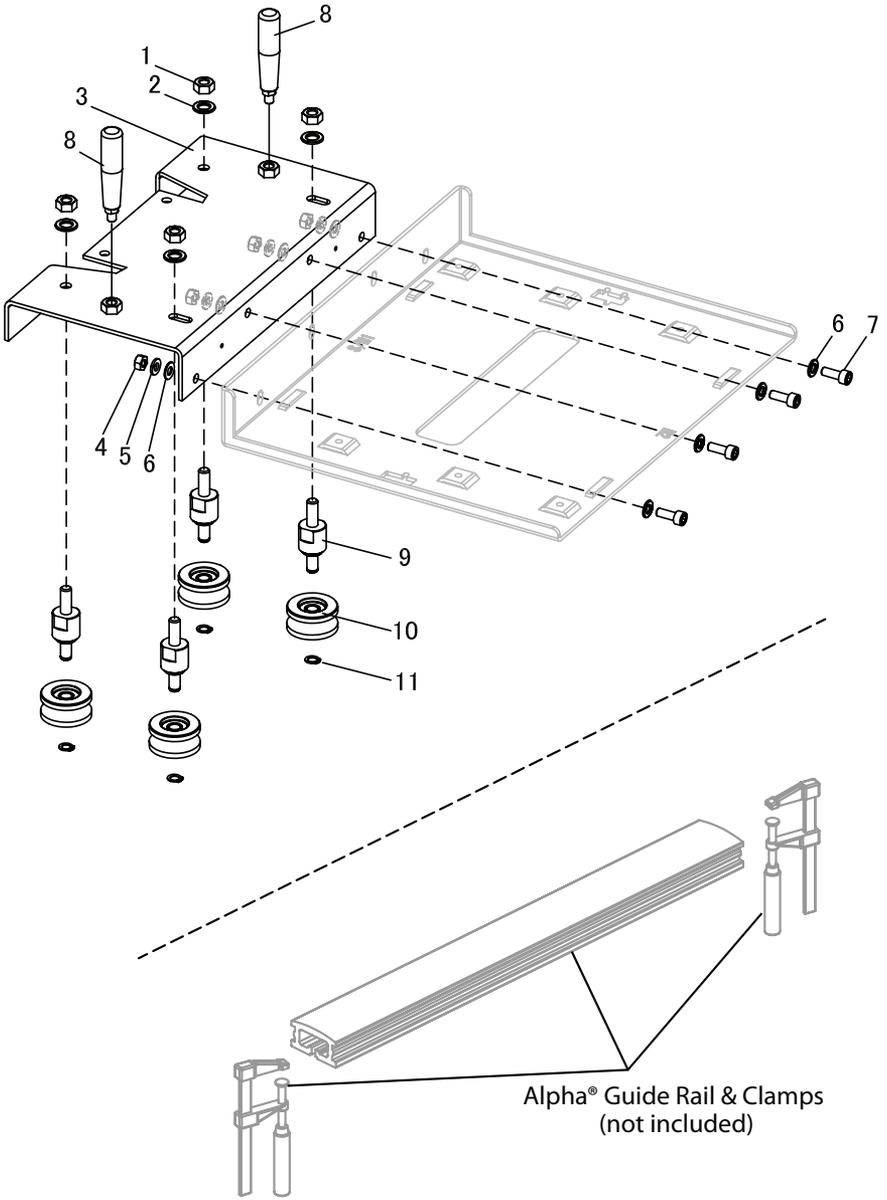
Figure 9

4. After the Stone Cutter is completely secured to the Carriage Base, remove Template-M2 from the Carriage Base. (See Figure 9)

ALPHA® ASC-6CSM CARRIAGE BASE SCHEMATIC



ALPHA® ASC-6CSM CARRIAGE ASSEMBLY SCHEMATIC



ALPHA® ASC-6CSM PARTS LIST

DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY
1	133285	Nut (M8)	4
2	133252	Washer (M8)	4
3	500075	Guide Rail Carriage for 6" Stone Cutter	1
4	803138	Nut (M6)	4
5	133072	Spring Lock Washer (M6)	4
6	133071	Washer (M6)	8
7	133251	Screw (M6x16)	4
8	500076	Grip Handle (M8x10)	2
9	500077	Rail Wheel Axle	4
10	500078	Rail Wheel Assembly	4
11	133051	Retaining Ring (7)	4
12	500079	Carriage Base for 6" Stone Cutter	1
18	500085	Clamping Plate Assembly	6
13	500080	Clamping Plate	-
14	500081	SUS Washer (M6)	-
15	500082	SUS Spring Lock Washer (M6)	-
16	500083	Retaining Ring-E (5)	-
17	500084	SUS Screw (M6x20)	-
19	500086	Template-S	1
20	500087	Template-M1	1
21	500088	Template-M2	1



103 Bauer Drive, Oakland, NJ 07436 • 800-648-7229 • Fax: 800-286-0114
www.alpha-tools.com

Copyright © 2018 Alpha Professional Tools. All rights reserved.

06/2018