

Technical Notes

Guide Rails

Alpha® has re-designed its successful Guide Rail system to be more easily utilized and transported! This accessory for the AWS-110/AWS-125 Stone Cutters, is made of high-quality cast aluminum and was designed to be used with the Alpha® Universal Carriage Assembly. The sturdy straight edges are available in three (3) lengths and may be purchased individually or as a kit.

Sections:

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Part No.	Size	Description
GR-AG04	4' (1.2m)	Guide Rail with 2 Clamps
GR-AG07	7' (2.1m)	Guide Rail with 2 Clamps
GR-AG12	12' (3.6m)	with 2 Clamps, Connector
GR-AGKIT	-	all 3 Rails, 6 Clamps, Cor

How to Use

Choose the correct size Alpha® Guide Rail for your cutting application.

Attach the Alpha® Guide Rail to the material securing it with the clamps provided (Qty: 2).

Slide the AWS-UCAM with the mounted Alpha® Wet Stone Cutter onto the Guide Rail and start your cutting applications.

Frequently Asked Questions (FAQs)

What materials can the Alpha® Guide Rail System be attached to?

The Alpha® Guide Rails can be attached to various materials such as granite, marble, engineered stone, porcelain slab, glass, etc.

What lengths are available for the Alpha® Guide Rails?

The Alpha® Guide Rails come in 4' (1.2m) for working with short pieces and vanity tops, 7' (2.1m) for intermediate lengths and 12' (3.6m) for long countertops or conference tables. See Chart on page 1.

Can I purchase these Guide Rails individually?

Yes. All lengths can be purchased individually or they may be purchased as a combo kit with all three guides. All Alpha® Guide Rails come with two clamps for securing the Guide Rail to the material.

Which Alpha® Stone Cutter should I choose to use on the Guide Rail System?

If your cutting nothing but 2cm (3/4") material, we recommend using the Alpha® AWS-110/220 Stone Cutter which accepts 4-1/2" diameter blades. For 3cm (1-1/4") material we recommend using the Alpha® AWS-125/225 Stone Cutter since this blade accepts 5" diameter blades.

What is the part number of the Universal Carriage Assembly which accepts the Alpha® AWS-110/220 and AWS-125/225 Wet Stone Cutters?

Universal Carriage Assembly part number is AWS-UCAM

Can I cut dry using the Guide Rail System?

Yes. You can perform dry and wet applications using the Guide Rail System. The cast aluminum will not rust so it's ideal for wet applications.

What are the lengths of the groove cuts on the backside of the Alpha® Guide Rails for inserting the clamps?

- o GR-AG04 (4' or 1.2m) = 19-1/2"
- o GR-AG07 (7' or 2.1m) = 23-1/2"
- o GR-AG12 (12' or 3.6m) = 23-1/2"

How is the 12' Guide Rail attached if it comes in two pieces of 6' length?

The 12' Guide Rail is two pieces of 6' guide rails which are attached by a connector and 4 bolts (12mm Hex Head).

Can I purchase the 12 foot Guide Rail and use one of the 6' length piece separately?

No. The two pieces cannot be used as a single guide rail due to the fact there is no groove cut for the clamp on both ends of each 6 foot pieces. Only one side of each 6 foot piece is grooved for the sliding clamp.

What tools are required for assembly of the 12" Guide Rails?

The only tool required is a 12mm wrench. We also recommend using Loctite or similar bond to secure the threaded area of the bolts and guide when assembling for the first time. This will keep the connection secure.

What is the distance from the Alpha® Guide Rail to the desired cut line?

The distance is 4 inches.

When attaching the Alpha® AWS-UCAM onto the Guide Rails, does it make a difference which side the AWS-UCAM is attached?

No, the AWS-UCAM can be attached with the Alpha® Stone Cutter on either side of the Guide Rail.

Helpful Hints

- The Universal Carriage Assembly (Part No. AWS-UCAM) can hold either the Alpha® AWS-110/220 or AWS-125/225 Stone Cutters.
- Do not slide the Alpha® Guide Rail across your material as you may risk scratching the surface if any loose debris is under the Guide Rail.
- When transporting the Alpha® Guide Rails to jobsites, place the rails on a firm flat area to avoid possible damage to rails.
- Always remove the AWS-UCAM from the Guide Rail during transportation.
- Alpha® Guide Rails are for wet & dry use.
- Use the Alpha® Vacuum Hold Down System (Part Number: VHS-5C) to secure thick glass material for use with the Guide Rail System.
- Always double-check to make sure the Guide Rail is fully secure to the material before starting your application.
- The Guide Rail should be positioned and secured on the material which will not be cut off.
- Step-cutting is always recommended for applications with thick materials.

Reference

For more product information, visit us on the web at www.alpha-tools.com.