



**Precision Armament**  
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## Accu-Washer™ Muzzle Device Alignment System AWS-500 (1/2-28 TPI), AWS-625 (5/8-24 TPI)

The Precision Armament Accu-Washer™ System is the most precise and easy to use muzzle device alignment system on the market. Simply choose the correct size Accu-Washer shim to accurately index your muzzle device while maintaining perfect bore alignment. The single shim system eliminates tolerance stackup's and complexities associated with peel washers and other multi-shim systems. Precision machined from 400-series stainless to a guaranteed thickness uniformity of  $\pm 0.0001"$ . This minimizes the risk of baffle strikes, ensuring maximum accuracy and safety from your muzzle brake or suppressor.

### IMPORTANT: READ INSTRUCTIONS COMPLETELY BEFORE INSTALLATION.

**WARNING:** MAKE SURE FIREARM IS UNLOADED BEFORE INSTALLATION. VISUALLY INSPECT CHAMBER, MAGAZINE, AND FIRING MECHANISM TO BE CERTAIN NO AMMUNITION IS IN THE FIREARM.

**INSTALLATION:** The Accu-Washer™ Muzzle Device Alignment System is designed to work with the following thread sizes:

Model	Thread
AWS-500	1/2-28 TPI
AWS-625	5/8-24 TPI

(Continued on back)

**INSTALLATION:** This system includes 18 Accu-Washer shims used to adjust muzzle device rotation in 20 degree increments. Only one shim is required for proper alignment. Each Accu-Washer shim is marked by a series of two different width lines to indicate its relative thickness - a wide mark indicates a value of 5, a thin mark indicates a value of 1, and values combine for a total (refer to chart below). Follow the steps outlined below to correctly align your muzzle device; some trial and error may be required.

1. Locate the thickest (#18) shim marked ( ||| ||| ).
2. Make sure all contact surfaces on shim, thread shoulder, and muzzle device are clean and free of debris. Seat #18 shim over muzzle threads and install muzzle device hand tight.
3. Sight down barrel and visually estimate the amount of additional rotation required for proper muzzle device alignment. Refer to chart on right to select the correct size shim.
4. Remove the #18 shim and install shim selected in Step 3. Torque muzzle device to correct alignment. Note: device will rotate additional 10-30 degrees\* from hand tight position depending on final tightening torque.
5. If excessive torque is required for alignment, use one number smaller. If torque is too low, use one number larger.

\*Applying grease to both mating surfaces of shim prior to final installation reduces friction resulting in increased rotation for a given torque load.

On average this set will time nine muzzle devices before replenishment shims are needed (available at [www.precisionarmament.com](http://www.precisionarmament.com)). It is not recommended to use more than one shim for any application.

Additional Degrees Required	Shim #	Marks
20	18	
40	17	
60	16	
80	15	
100	14	
120	13	
140	12	
160	11	
180	10	
200	9	
220	8	
240	7	
260	6	
280	5	
300	4	
320	3	
340	2	
360	1	