

# How to Identify an Automatic Brake Adjuster Using the **TRAMEC** Replacement Part Number System

Follow these steps to determine a replacement part number for an Automatic Brake Adjuster (ABA)

1. All **TRAMEC** ABA replacement kit part numbers begin with the letters "MK".
2. First, determine if an Auto-Check stroke indicator is desired. In this example no indicator is needed, so our part number is now "MK2...".
3. Next, check the gear/S-cam size. Measure the spline diameter as shown on the drawing below, in our example 1 1/2". Then count the number of splines (the drawing below has 10). In our case there are 28 splines, so our number is now "MK22...".
4. Identify the type of clevis and thread size from the list. Our example is the most common 5/8"-18 straight, so we add the number 1 to our part number "MK221..".
5. Is the application a standard straight or curved arm? Let's select a standard straight arm as illustrated below, so our part number becomes "MK2210".
6. Next we need the "arm hole length". Measure from the center of the splined hole to the center of the hole in the arm of the ABA, as shown in the drawing. Our part measures 5.5", so the last digit can be a "0" or "2". Either part number "MK22100" or "MK22102" will work as a replacement in our example.

CUSTOMER	XX	XX	XX	XX	XX	ARM HOLE
AFTER MARKET	M	K				<b>0</b> - 5.5"                      4 - 5", 6", 7" <b>1</b> - 6.5"                        5 - 5" <b>2</b> - 5.5", 6.5"                6 - 6" <b>3</b> - 5", 6"                       8 - 5.5" SHORT ARM
<b>AUTO-CHECK STROKE INDICATOR</b>						<b>APPLICATION</b>
<b>2</b> NO "AUTO-CHECK" INDICATOR <b>3</b> T-16, 20, 24 STD. STROKE CHAMBER <b>4</b> T-30 STD. STROKE OR T-16, 29 LS CHAMBER <b>5</b> T-26 STD. STROKE CHAMBER <b>7</b> T-24, 30 LONG STROKE CHAMBER						<b>0</b> STD 16.5 S-CAM BRAKE <b>5</b> 12.25 S-CAM BRAKE 14° CURVED ARM
<b>SPLINE (Diameter - Splines)</b>						
<b>1</b> 1 1/2 - 10 <b>2</b> 1 1/2 - 28 <b>3</b> 1 5/8 - 37 <b>4</b> 1 1/4 - 10 <b>5</b> 1 1/4 - 24						
<b>CLEVIS</b>						
<b>0</b> NO CLEVIS <b>1</b> 5/8 - 18 STRAIGHT <b>2</b> 1/2 - 20 STRAIGHT <b>3</b> 5/8 - 18 OFFSET <b>4</b> 1/2 - 20 OFFSET <b>5</b> 16 x 1.5MM STRAIGHT <b>7</b> 5/8 - 18 STRAIGHT EXTENDED <b>8</b> 5/8 - 18 SHORT THROAT <b>9</b> 5/8 - 18 SHORT THROAT 5/8 OFFSET <b>A</b> 3/4 - 16 STRAIGHT <b>E</b> 1/2 - 20 STRAIGHT EXTENDED <b>G</b> 3/4 - 16 STRAIGHT EXTENDED <b>L</b> 16 x 1.5MM OFFSET						
						<b>PART NO.</b>
						<b>8420</b> <b>8410</b> <b>8425</b> <b>8415</b> <b>8490</b> <b>8480</b> <b>8485</b> <b>8435</b> <b>8430</b> <b>8411</b> <b>8431</b> <b>8495</b>

The diagram illustrates the components and measurement points of an Automatic Brake Adjuster (ABA). It shows a side view of the device with a gear/spline at the bottom. Labels indicate the 'CLEVIS' at the top, 'ARM HOLE LENGTH' as the distance from the center of the splined hole to the center of the hole in the arm, 'NUMBER OF SPLINES' as the count of teeth on the gear, and 'SPLINE DIAMETER' as the diameter of the gear's teeth.

