

CREWSON AUTOMATIC BRAKE ADJUSTER FEATURES & BENEFITS



Patented Auto-Check™

REDUCE TIME SPENT UNDER YOUR TRUCKS AND INCREASE SAFETY.

STEMCO Crewson™ Brake Adjusters. Designed for maximum safety and convenience. With STEMCO Crewson Brake Adjusters you'll have an easier time making sure your trucks are up to code and operating safely. Our brake adjusters have been designed with a variety of patented features including:

- **AUTO-CHECK™:** This patented feature allows you to check brake stroke without crawling under the truck.
- **CAM GUARD:** This lubrication system eliminates seizing and corrosion between the S-Cam and ABA.
- **Patented Installation Template:** This handy guide ensures the ABA is installed correctly every time.
- **PATENTED CLEARANCE SENSING ADJUSTER SYSTEM:** STEMCO Crewson features the only patented reduced wear clutch in the industry.
- **HIGH STRENGTH GEARSET:** Assures the ABA will stand up to years of service in demanding conditions.
- **BLUE POWDER COAT:** Protects the ABA from harsh winter conditions.
- **SEALING:** The gear is sealed with a proprietary system that protects it from environmental contamination.
- **PATENTED PUSHROD CUTOFF TOOL:** For accurate measurements.



CREWSON AUTOMATIC BRAKE ADJUSTER FEATURES & BENEFITS

The STEMCO Crewson Automatic Brake Adjuster maintains proper shoe-to-drum clearance in all braking modes and is easily installed in the field or on the shop floor.

INSTALLATION

The STEMCO Crewson Automatic Brake Adjuster comes with our patented, structurally rigid installation guide. This handy and fool-proof guide ensures that even first time users can install the ABA correctly every time.

AUTO-CHECK™

Our patented Auto-Check™ feature is designed to provide a method of checking the brake stroke without going under the truck.

- Installed on the ABA facing the center of the vehicle to easily see if brake stroke is in a normal range.
- Bright yellow pointer easily indicates set up position, determines working stroke and shows if brake stroke is past readjust limit without crawling under the vehicle.
- Offers you an extra quality control check.

LONG LIFE ADJUSTMENT SYSTEM

Heavy-duty internal components with a clearance sensing clutch enables your brake system to adjust for hot braking conditions. This patented STEMCO Crewson design protects the adjusting components during normal brake applications when brake adjustment is not required. Over 90% of all brake applications do not require adjustment, so why subject the adjusting components to continuous wear?

The STEMCO Crewson Adjustment System operates like the windshield wipers on your car — it is utilized only when needed, not continuously when the car is running.

- A typical highway vehicle makes about two million brake applications in five years.
- This same vehicle will require the ABA to adjust the brake about 3,000 times.

WARRANTY

This warranty is not applicable to failures caused by improper installation, repair, alteration, accidents, abuse, improper use, normal wear and tear. The below is only a partial copy of the warranty. For a complete copy of the warranty, please contact your local STEMCO Crewson distributor. STEMCO Crewson reserves the right to modify our warranty policy without notice.



Installation Guide



Detail of Auto-Check™ Feature

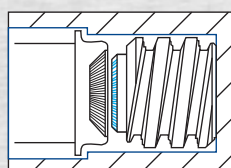


FIGURE A
shows components disengaged to reduce wear (over 90% of the time).

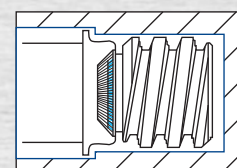


FIGURE B
shows components engaged during brake adjustment (less than 10% of the time).

WARRANTY PERIOD
(WHICHEVER OCCURS FIRST)

**6 YEARS/
1 MILLION MILES**

**2 YEARS/
200,000 MILES**

**1 YEAR/
100,000 MILES**

ABAs used for

On-Highway Trucks
Tractors, and Trailers

Off-Highway Applications
(e.g. construction vehicles)

Severe Service ABAs
(e.g. refuse pickup, school buses,
or city deliveries)

CREWSON BUILD-A-PART NUMBER

STEMCO CREWSON PART NUMBERS

Unlike other manufacturers, you can determine what part you need by gathering the following information.

(MK) ALL AFTERMARKET PART NUMBERS

(A) AUTO-CHECK™ STROKE INDICATOR

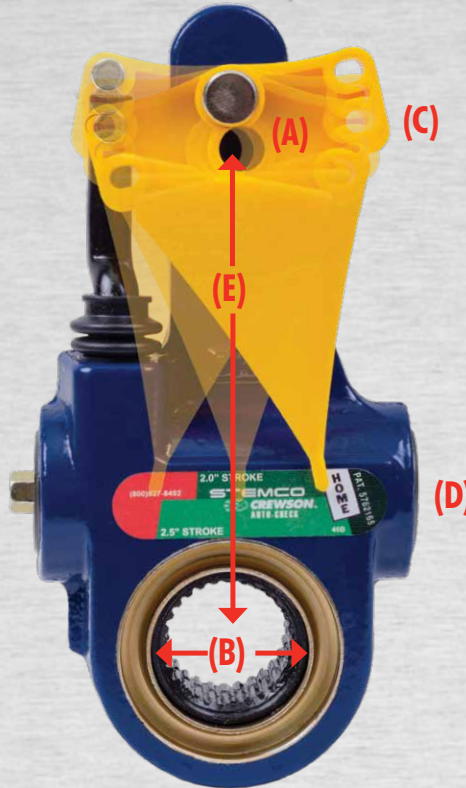
- (2) No "Auto-Check" Indicator
- (3) T-16, 20, 24 Std. Stroke Chamber
- (4) T-30 Std. Stroke or
T-16 LS, T-20 LS, T-24 LS Chamber or
T-24LLS, 30LS Chamber
- (5) T-36 Std. Stroke Chamber

(B) SPLINE (DIAMETER - SPLINES)

- (1) 1-1/2" – 10
- (2) 1-1/2" – 28
- (3) 1-5/8" – 37
- (4) 1-1/4" – 10
- (5) 1-1/4" – 24

(C) CLEVIS TYPE & SIZE

- (0) No Clevis
- (1) 5/8" – 18 Straight
- (2) 1/2" – 20 Straight
- (3) 5/8" – 18 Offset
- (4) 1/2" – 20 Offset
- (5) M16x1.5mm Straight
- (7) 5/8" – 18 Straight Extended
- (8) 5/8" – 18 Short Throat
- (9) 5/8" – 18 Short Throat 5/8 Offset
- (E) 1/2" – 20 Straight Extended



(D) BRAKE SIZE/TYPE

- (0) Std S-Cam Brake
- (1) Welded Clevis
- (5) 12-1/4" S-Cam Brake
Curved Arm

(E) ARM LENGTH

- (0) 5.5"
- (1) 6.5"
- (2) 5.5", 6.5"
- (3) 5", 6"
- (4) 5", 6", 7"
- (6) 6"

EXAMPLE

MK	(A)	(B)	(C)	(D)	(E)	S
MK	4	2	1	0	6	S

IN THIS EXAMPLE:

- (A) Would be a STD Type 30 Auto-Check
- (B) Would be a 1-1/2" – 28 Spline
- (C) Would be a 5/8" – 18 Straight Clevis
- (D) Would be a Standard S-Cam Brake
- (E) Would be a 6" Arm Length

COMPONENT PART NO.

COMPONENT DESCRIPTION

MC8056KTAS	PIN KIT FOR ABA (AUTO-CHECK)
MC8056KTS	PIN KIT FOR ABA (NON AUTO-CHECK)
MC8500S	POINTER FOR ABA W/ AUTO-CHECK
MC8530S	PUSHROD CUTOFF TOOL
MC8410KTAS	CLEVIS 1/2" – 20 STD W/ PIN KIT (AUTO-CHECK)
MC8410KTS	CLEVIS 1/2" – 20 STD W/ PIN KIT (NON AUTO-CHECK)
MC8412KTAS	SHORT CLEVIS 1/2" – 20 W/ PIN KIT (AUTO-CHECK)
MC8412KTS	SHORT CLEVIS 1/2" – 20 W/ PIN KIT (NON AUTO-CHECK)
MC8415KTAS	CLEVIS 1/2" – 20 OFFSET W/ PIN KIT (AUTO-CHECK)

COMPONENT PART NO.

COMPONENT DESCRIPTION

MC8415KTS	CLEVIS 1/2" – 20 OFFSET W/ PIN KIT (NON AUTO-CHECK)
MC8420KTAS	CLEVIS 5/8" – 18 STD W/ PIN KIT (AUTO-CHECK)
MC8420KTS	CLEVIS 5/8" – 18 STD W/ PIN KIT (NON AUTO-CHECK)
MC8422KTAS	SHORT CLEVIS 5/8" – 18 W/ PIN KIT (AUTO-CHECK)
MC8422KTS	SHORT CLEVIS 5/8" – 18 W/ PIN KIT (NON AUTO-CHECK)
MC8425KTAS	CLEVIS 5/8" – 18 OFFSET W/ PIN KIT (AUTO-CHECK)
MC8425KTS	CLEVIS 5/8" – 18 OFFSET W/ PIN KIT (NON AUTO-CHECK)
MC8480KTAS	CLEVIS 5/8" – 18 EXT W/ PIN KIT (AUTO-CHECK)
MC8480KTS	CLEVIS 5/8" – 18 EXT W/ PIN KIT (NON AUTO-CHECK)

CREWSON 1.30" WELDED CLEVIS AUTOMATIC BRAKE ADJUSTER



1.30" WELDED CLEVIS AUTOMATIC BRAKE ADJUSTER

6 YEAR/ 1 MILLION MILE WARRANTY*

*On-Highway Trucks, Tractors, and Trailers

ALL OF THE GREAT FEATURES YOU EXPECT NOW FOR 1.30" WELDED CLEVIS APPLICATIONS

- **AUTO-CHECK™**: This patented feature allows you to check brake stroke without crawling under the truck.
- **CAM GUARD**: This lubrication system eliminates seizing and corrosion.
- **EASY INSTALLATION**: The proper mounting angle has been designed into the product, so an installation gauge is not necessary.
- **PATENTED CLEARANCE SENSING ADJUSTER SYSTEM**: Stemco Crewson features the only patented reduced wear clutch in the industry.
- **HIGH STRENGTH GEARSET**: Assures the ABA will stand up to years of service in demanding conditions.
- **BLUE POWDER COAT**: Protects the ABA from harsh winter conditions.
- **SEALING**: The gear is sealed with a proprietary system that protects it from environmental contamination.

NOTE: 1.30" Pin Spacing is typical of welded clevis applications used on International, Freightliner, Mack and Volvo trucks.



Blue box label for easy identification



Silver lift rod for easy identification

CREWSON 1.30" WELDED CLEVIS AUTOMATIC BRAKE ADJUSTER

BUILD YOUR PART NUMBER

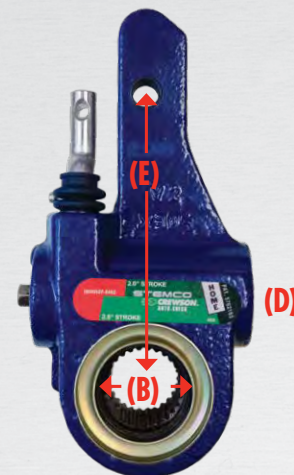
EXAMPLE MK (A) (B) (C) (D) (E)
MK 4 2 0 1 6

As shown in the example on the left, the C & D digit in the model number must be a 0 and 1 respectively to identify a STEMCO Crewson 1.30" Welded Clevis ABA.

(MK)	ALL AFTERMARKET PART NUMBERS
(A)	AUTO-CHECK STROKE INDICATOR
(2)	No "Auto-Check" Indicator
(3)	T-16, 20, 24 Std. Stroke Chamber
(4)	T-30 Std. Stroke OR T-16, 20LS, 24LS Chamber OR T-24LLS, 30LS Chamber
(5)	T-36 Std. Stroke Chamber
(B)	SPLINE (DIAMETER - SPLINES)
(1)	1-1/2" - 10
(2)	1-1/2" - 28
(3)	1-5/8" - 37
(4)	1-1/4" - 10
(5)	1-1/4" - 24

(C)	CLEVIS TYPE & SIZE
(0)	No Clevis
(1)	5/8" - 18 Straight
(2)	1/2" - 20 Straight
(3)	5/8" - 18 Offset
(4)	1/2" - 20 Offset
(5)	16 X 1.5mm Straight
(8)	5/8" - 18 Short Throat
(9)	5/8" - 18 Short Throat 5/8" Offset
(A)	3/4" - 16 Straight
(E)	1/2" - 20 Straight Extended
(G)	3/4" - 16 Straight Extended
(L)	16 X 1.5mm Offset

(D)	BRAKE SIZE / TYPE
(0)	Std S-Cam Brake
(1)	1.30" Welded Clevis
(5)	12.25" S-Cam Brake Curved Arm
(E)	ARM LENGTH
(0)	5.5"
(2)	5.5", 6.5"
(3)	5", 6"
(4)	5", 6", 7"
(6)	6"



STEMCO CREWSON COMPETITIVE CROSSOVER

GENERAL CROSS-REFERENCING

- Build the STEMCO Crewson model number using the competitive brake adjuster dimensions (splines diameter, number of splines, arm length).
NOTE: Visit stemcobrakeproducts.com for a master competitive crossover or a quick crossover is available in the STEMCO Crewson brochure (571-3105).
- Determine the size (e.g. 24, 30, 36) and type (e.g. Standard or Long Stroke) of the air chamber used and adjust the 1st digit (A) of the STEMCO Crewson model number accordingly.
- Determine if the brake adjuster is a welded clevis type or not. If not a 1.30" welded clevis, you are done and the correct model number has been identified. If a 1.30" welded clevis, then continue with the instructions to the right.

STEMCO CREWSON 1.30" WELDED CLEVIS CROSS-REFERENCING

Haldex & Meritor

- These competitive brake adjusters work in multiple clevis pin spacing applications.
- To crossover Haldex and Meritor brake adjusters to STEMCO Crewson 1.30" Welded Clevis, follow the general steps for cross-referencing competitive ABAs (at left) and then adjust the C & D digits in the model number as described above.

Gunite & Bendix

- These competitive brake adjusters, like STEMCO Crewson, are application specific, i.e. a different adjuster for threaded clevis and welded clevis applications.
- To crossover Gunite & Bendix brake adjusters, follow the general cross-referencing steps and use the crossover charts below.

STEMCO CREWSON 1.30" WELDED CLEVIS PART NUMBERS

GUNITE PART #	STEMCO PART NO.	NON AUTO-CHECK	SPLINE SIZE	ARM LENGTH	AUTO-CHECK 16, 20, 24STD	STEMCO PART NO.	AUTO-CHECK 30STD 16, 24LS, 24LLS, 30LS
AS1168	191-0062	MK21010S	1-1/2" — 10	5.5"	NA	190-0112	MK41010S
AS1169	191-0064	MK21016S	1-1/2" — 10	6.0"	NA	190-0100	MK41016S
AS1170	191-0068	MK24010S	1-1/4" — 10	5.5"	NA	190-0108	MK44010S
AS1171	191-0069	MK25010S	1-1/4" — 24	5.5"	NA	190-0110	MK45010S
AS1172	191-0065	MK22010S	1-1/2" — 28	5.5"	NA	190-0102	MK42010S
AS1173	191-0067	MK22016S	1-1/2" — 28	6.0"	NA	190-0106	MK42016S
AS1174	191-0063	MK21011S	1-1/2" — 10	6.5"	NA	190-0098	MK41011S
AS1175	191-0066	MK22011S	1-1/2" — 28	6.5"	NA	190-0104	MK42011S
AS1176	NA	NA	1-1/2" — 28	6.0"	NA	NA	NA
AS1179	NA	NA	1-1/2" — 10	6.0"	NA	NA	NA

STEMCO CREWSON 1.30" WELDED CLEVIS PART NUMBERS

BENDIX PART #	STEMCO PART NO.	NON AUTO-CHECK	SPLINE SIZE	ARM LENGTH	AUTO-CHECK 16, 20, 24STD	STEMCO PART NO.	AUTO-CHECK 30STD 16, 24LS, 24LLS, 30LS
K041870	191-0062	MK21010S	1-1/2" — 10	5.5"	NA	190-0112	MK41010S
K041876	191-0064	MK21016S	1-1/2" — 10	6.0"	NA	190-0100	MK41016S
K041877	191-0067	MK22016S	1-1/2" — 28	6.0"	NA	190-0106	MK42016S
K043197	191-0065	MK22010S	1-1/2" — 28	5.5"	NA	190-0102	MK42010S

CREWSON AUTOMATIC BRAKE ADJUSTER APPLICATIONS WITH AUTO-CHECK™

WITHOUT AUTO-CHECK™

STEMCO CREWSON PART NUMBER	SPLINE TYPE	ARM LENGTH	CLEVIS TYPE	WEIGHT (LBS)
CHAMBER TYPE: T-16, 20, 24 STD.				
MK31100S	1-1/2" X 10 Spline	5.5"	5/8" — 18 Std	7.6
MK31106S	1-1/2" X 10 Spline	6.0"	5/8" — 18 Std	7.6
MK31200S	1-1/2" X 10 Spline	5.5"	1/2" — 20 Std	7.6
MK31206S	1-1/2" X 10 Spline	6.0"	1/2" — 20 Std	7.6
MK31300S	1-1/2" X 10 Spline	5.5"	5/8" — 18 Offset	7.6
MK31306S	1-1/2" X 10 Spline	6.0"	5/8" — 18 Offset	7.6
MK31400S	1-1/2" X 10 Spline	5.5"	1/2" — 20 Offset	7.6
MK31406S	1-1/2" X 10 Spline	6.0"	1/2" — 20 Offset	7.6
MK31700S	1-1/2" X 10 Spline	5.5"	5/8" — 18 Ext	7.6
MK31706S	1-1/2" X 10 Spline	6.0"	5/8" — 18 Ext	7.6
MK32100S	1-1/2" X 28 Spline	5.5"	5/8" — 18 Std	7.6
MK32106S	1-1/2" X 28 Spline	6.0"	5/8" — 18 Std	7.6
MK32200S	1-1/2" X 28 Spline	5.5"	1/2" — 20 Std	7.6
MK32206S	1-1/2" X 28 Spline	6.0"	1/2" — 20 Std	7.6
MK32300S	1-1/2" X 28 Spline	5.5"	5/8" — 18 Offset	7.6
MK32306S	1-1/2" X 28 Spline	6.0"	5/8" — 18 Offset	7.6
MK32400S	1-1/2" X 28 Spline	5.5"	1/2" — 20 Offset	7.6
MK32700S	1-1/2" X 28 Spline	5.5"	5/8" — 18 Ext	7.6
MK34100S	1-1/4" X 10 Spline	5.5"	5/8" — 18 Std	7.6
MK34101S	1-1/4" X 10 Spline	6.5"	5/8" — 18 Std	7.6
MK34106S	1-1/4" X 10 Spline	6.0"	5/8" — 18 Std	7.6
MK34200S	1-1/4" X 10 Spline	5.5"	1/2" — 20 Std	7.6
MK34206S	1-1/4" X 10 Spline	6.0"	1/2" — 20 Std	7.6
MK34300S	1-1/4" X 10 Spline	5.5"	5/8" — 18 Offset	7.6
MK34306S	1-1/4" X 10 Spline	6.0"	5/8" — 18 Offset	7.6
MK34400S	1-1/4" X 10 Spline	5.5"	1/2" — 20 Offset	7.6
MK34406S	1-1/4" X 10 Spline	6.0"	1/2" — 20 Offset	7.6
MK35100S	1-1/4" X 24 Spline	5.5"	5/8" — 18 Std	7.6
MK35200S	1-1/4" X 24 Spline	5.5"	1/2" — 20 Std	7.6
MK35300S	1-1/4" X 24 Spline	5.5"	5/8" — 18 Offset	7.6
MK35400S	1-1/4" X 24 Spline	5.5"	1/2" — 20 Offset	7.6



Detail of Auto-Check™ Feature

CREWSON AUTOMATIC BRAKE ADJUSTER APPLICATIONS WITH AUTO-CHECK™

WITHOUT AUTO-CHECK™

STEMCO CREWSON PART NUMBER	SPLINE TYPE	ARM LENGTH	CLEVIS TYPE	WEIGHT (LBS)
CHAMBER TYPE: T30S, 16LS, 20LS, 24LS, T30LS, T24LS				
MK41010S	1-1/2" X 10 Spline	5.5"	1.3" Pin Spacing	7.6
MK41011S	1-1/2" X 10 Spline	6.5"	1.3" Pin Spacing	7.6
MK41016S	1-1/2" X 10 Spline	6.0"	1.3" Pin Spacing	7.6
MK41100S	1-1/2" X 10 Spline	5.5"	5/8" — 18 Std	7.6
MK41101S	1-1/2" X 10 Spline	6.5"	5/8" — 18 Std	7.6
MK41106S	1-1/2" X 10 Spline	6.0"	5/8" — 18 Std	7.6
MK41200S	1-1/2" X 10 Spline	5.5"	1/2" — 20 Std	7.6
MK41300S	1-1/2" X 10 Spline	5.5"	5/8" — 18 Offset	7.6
MK41306S	1-1/2" X 10 Spline	6.0"	5/8" — 18 Offset	7.6
MK41400S	1-1/2" X 10 Spline	5.5"	1/2" — 20 Offset	7.6
MK41406S	1-1/2" X 10 Spline	6.0"	1/2" — 20 Offset	7.6
MK41700S	1-1/2" X 10 Spline	5.5"	5/8" — 18 Ext	7.6
MK41706S	1-1/2" X 10 Spline	6.0"	5/8" — 18 Ext	7.6
MK42010S	1-1/2" X 28 Spline	5.5"	1.3" Pin Spacing	7.6
MK42011S	1-1/2" X 28 Spline	6.5"	1.3" Pin Spacing	7.6
MK42016S	1-1/2" X 28 Spline	6.0"	1.3" Pin Spacing	7.6
MK42100S	1-1/2" X 28 Spline	5.5"	5/8" — 18 Std	7.6
MK42101S	1-1/2" X 28 Spline	6.5"	5/8" — 18 Std	7.6
MK42106S	1-1/2" X 28 Spline	6.0"	5/8" — 18 Std	7.6
MK42200S	1-1/2" X 28 Spline	5.5"	1/2" — 20 Std	7.6
MK42206S	1-1/2" X 28 Spline	6.0"	1/2" — 20 Std	7.6
MK42300S	1-1/2" X 28 Spline	5.5"	5/8" — 18 Offset	7.6
MK42306S	1-1/2" X 28 Spline	6.0"	5/8" — 18 Offset	7.6
MK42400S	1-1/2" X 28 Spline	5.5"	1/2" — 20 Offset	7.6
MK42406S	1-1/2" X 28 Spline	6.0"	1/2" — 20 Offset	7.6
MK42700S	1-1/2" X 28 Spline	5.5"	5/8" — 18 Ext	7.6
MK42706S	1-1/2" X 28 Spline	6.0"	5/8" — 18 Ext	7.6
MK43100S	1-5/8" X 37 Spline	5.5"	5/8" — 18 Std	7.6
MK43106S	1-5/8" X 37 Spline	6.0"	5/8" — 18 Std	7.6
MK44010S	1-1/4" X 10 Spline	5.5"	1.3" Pin Spacing	7.6
MK44100S	1-1/4" X 10 Spline	5.5"	5/8" — 18 Std	7.6
MK44101S	1-1/4" X 10 Spline	6.5"	5/8" — 18 Std	7.6
MK44106S	1-1/4" X 10 Spline	6.0"	5/8" — 18 Std	7.6
MK44200S	1-1/4" X 10 Spline	5.5"	1/2" — 20 Std	7.6
MK44206S	1-1/4" X 10 Spline	6.0"	1/2" — 20 Std	7.6
MK44300S	1-1/4" X 10 Spline	5.5"	5/8" — 18 Offset	7.6
MK44306S	1-1/4" X 10 Spline	6.0"	5/8" — 18 Offset	7.6
MK44400S	1-1/4" X 10 Spline	5.5"	1/2" — 20 Offset	7.6
MK44406S	1-1/4" X 10 Spline	6.0"	1/2" — 20 Offset	7.6
MK45010S	1-1/4" X 24 Spline	5.5"	1.3" Pin Spacing	7.6
MK45100S	1-1/4" X 24 Spline	5.5"	5/8" — 18 Std	7.6
MK45106S	1-1/4" X 24 Spline	6.0"	5/8" — 18 Std	7.6
MK45200S	1-1/4" X 24 Spline	5.5"	1/2" — 20 Std	7.6
MK45206S	1-1/4" X 24 Spline	6.0"	1/2" — 20 Std	7.6
MK45300S	1-1/4" X 24 Spline	5.5"	5/8" — 18 Offset	7.6
MK45306S	1-1/4" X 24 Spline	6.0"	5/8" — 18 Offset	7.6
MK45400S	1-1/4" X 24 Spline	5.5"	1/2" — 20 Offset	7.6
MK45406S	1-1/4" X 24 Spline	6.0"	1/2" — 20 Offset	7.6



Detail of Auto-Check™ Feature

CREWSON AUTOMATIC BRAKE ADJUSTER APPLICATIONS WITHOUT AUTO-CHECK™

WITHOUT AUTO-CHECK™

STEMCO CREWSON PART NUMBER	SPLINE TYPE	ARM LENGTH	CLEVIS TYPE	NOTES	WEIGHT (LBS)
MK21010S	1-1/2" X 10 Spline	5.5"	1.3" Pin Spacing		7.2
MK21011S	1-1/2" X 10 Spline	6.5"	1.3" Pin Spacing		7.2
MK21016S	1-1/2" X 10 Spline	6.0"	1.3" Pin Spacing		7.2
MK21100S	1-1/2" X 10 Spline	5.5"	5/8" — 18 Std		7.2
MK21101S	1-1/2" X 10 Spline	6.5"	5/8" — 18 Std		7.2
MK21102S	1-1/2" X 10 Spline	5.5"/6.5"	5/8" — 18 Std	Double Drilled	7.2
MK21103S	1-1/2" X 10 Spline	5.0"/6.0"	5/8" — 18 Std	Double Drilled	7.2
MK21104S	1-1/2" X 10 Spline	5.0"/6.0"/7.0"	5/8" — 18 Std		8.0
MK21106S	1-1/2" X 10 Spline	6.0"	5/8" — 18 Std		7.2
MK21152S	1-1/2" X 10 Spline	5.5"/6.5"	5/8" — 18 Std	12-1/4" Brake Applications Bent Arm	7.2
MK21153S	1-1/2" X 10 Spline	5.0"/6.0"	5/8" — 18 Std	12-1/4" Brake Applications Bent Arm	7.2
MK21200S	1-1/2" X 10 Spline	5.5"	1/2" — 20 Std		7.2
MK21206S	1-1/2" X 10 Spline	6.0"	1/2" — 20 Std		7.2
MK21300S	1-1/2" X 10 Spline	5.5"	5/8" — 18 Offset		7.2
MK21306S	1-1/2" X 10 Spline	6.0"	5/8" — 18 Offset		7.2
MK21400S	1-1/2" X 10 Spline	5.5"	1/2" — 20 Offset		7.2
MK21406S	1-1/2" X 10 Spline	6.0"	1/2" — 20 Offset		7.2
MK21700S	1-1/2" X 10 Spline	5.5"	5/8" — 18 Ext	Extended Clevis	7.2
MK21706S	1-1/2" X 10 Spline	6.0"	5/8" — 18 Ext	Extended Clevis	7.2
MK22010S	1-1/2" X 28 Spline	5.5"	1.3" Pin Spacing		7.2
MK22011S	1-1/2" X 28 Spline	6.5"	1.3" Pin Spacing		7.2
MK22016S	1-1/2" X 28 Spline	6.0"	1.3" Pin Spacing		7.2
MK22100S	1-1/2" X 28 Spline	5.5"	5/8" — 18 Std		7.2
MK22101S	1-1/2" X 28 Spline	6.5"	5/8" — 18 Std		7.2
MK22102S	1-1/2" X 28 Spline	5.5"/6.5"	5/8" — 18 Std	Double Drilled	7.2
MK22103S	1-1/2" X 28 Spline	5.0"/6.0"	5/8" — 18 Std	Double Drilled	7.2
MK22104S	1-1/2" X 28 Spline	5.0"/6.0"/7.0"	5/8" — 18 Std		8.0
MK22106S	1-1/2" X 28 Spline	6.0"	5/8" — 18 Std		7.2
MK22152S	1-1/2" X 28 Spline	5.5"/6.5"	5/8" — 18 Std	12-1/4" Brake Applications Bent Arm	7.2
MK22153S	1-1/2" X 28 Spline	5.0"/6.0"	5/8" — 18 Std	12-1/4" Brake Applications Bent Arm	7.2
MK22202S	1-1/2" X 28 Spline	5.5"/6.5"	1/2" — 20 Std	Double Drilled	7.2
MK22203S	1-1/2" X 28 Spline	5.0"/6.0"	1/2" — 20 Std	Double Drilled	7.2
MK22206S	1-1/2" X 28 Spline	6.0"	1/2" — 20 Std		7.2
MK22300S	1-1/2" X 28 Spline	5.5"	5/8" — 18 Offset		7.2
MK22306S	1-1/2" X 28 Spline	6.0"	5/8" — 18 Offset		7.2
MK22400S	1-1/2" X 28 Spline	5.5"	1/2" — 20 Offset		7.2
MK22406S	1-1/2" X 28 Spline	6.0"	1/2" — 20 Offset		7.2
MK22700S	1-1/2" X 28 Spline	5.5"	5/8" — 18 Ext	Extended Clevis	7.2
MK22706S	1-1/2" X 28 Spline	6.0"	5/8" — 18 Ext	Extended Clevis	7.2
MK23100S	1-5/8" X 37 Spline	5.5"	5/8" — 18 Std		7.2
MK23102S	1-5/8" X 37 Spline	5.5"/6.5"	5/8" — 18 Std	Double Drilled	7.2
MK23103S	1-5/8" X 37 Spline	5.0"/6.0"	5/8" — 18 Std	Double Drilled	7.2
MK23106S	1-5/8" X 37 Spline	6.0"	5/8" — 18 Std		7.2
MK23152S	1-5/8" X 37 Spline	5.5"/6.5"	5/8" — 18 Std	12-1/4" Brake Applications Bent Arm	7.2
MK23153S	1-5/8" X 37 Spline	5.0"/6.0"	5/8" — 18 Std	12-1/4" Brake Applications Bent Arm	7.2

CREWSON MANUAL BRAKE ADJUSTER APPLICATIONS

WITHOUT AUTO-CHECK™







STEMCO CREWSON PART NUMBER	SPLINE TYPE	ARM LENGTH	CLEVIS TYPE	NOTES	WEIGHT (LBS)
MK24010S	1-1/4" X 10 Spline	5.5"	1.3" Pin Spacing		7.2
MK24100S	1-1/4" X 10 Spline	5.5"	5/8" — 18 Std		7.2
MK24102S	1-1/4" X 10 Spline	5.5"/6.5"	5/8" — 18 Std	Double Drilled	7.2
MK24103S	1-1/4" X 10 Spline	5.0"/6.0"	5/8" — 18 Std	Double Drilled	7.2
MK24104S	1-1/4" X 10 Spline	5.0"/6.0"/7.0"	5/8" — 18 Std	Triple Drilled	8.0
MK24106S	1-1/4" X 10 Spline	6.0"	5/8" — 18 Std		7.2
MK24200S	1-1/4" X 10 Spline	5.5"	1/2" — 20 Std		7.2
MK24206S	1-1/4" X 10 Spline	6.0"	1/2" — 20 Std		7.2
MK24300S	1-1/4" X 10 Spline	5.5"	5/8" — 18 Offset		7.2
MK24306S	1-1/4" X 10 Spline	6.0"	5/8" — 18 Offset		7.2
MK24400S	1-1/4" X 10 Spline	5.5"	1/2" — 20 Offset		7.2
MK24406S	1-1/4" X 10 Spline	6.0"	1/2" — 20 Offset		7.2
MK24700S	1-1/4" X 10 Spline	5.5"	5/8" — 18 Ext	Extended Clevis	7.2
MK25100S	1-1/4" X 24 Spline	5.5"	5/8" — 18 Std		7.2
MK25102S	1-1/4" X 24 Spline	5.5"/6.5"	5/8" — 18 Std	Double Drilled	7.2
MK25103S	1-1/4" X 24 Spline	5.0"/6.0"	5/8" — 18 Std	Double Drilled	7.2
MK25106S	1-1/4" X 24 Spline	6.0"	5/8" — 18 Std		7.2
MK25200S	1-1/4" X 24 Spline	5.5"	1/2" — 20 Std		7.2
MK25206S	1-1/4" X 24 Spline	6.0"	1/2" — 20 Std		7.2
MK25300S	1-1/4" X 24 Spline	5.5"	5/8" — 18 Offset		7.2
MK25306S	1-1/4" X 24 Spline	6.0"	5/8" — 18 Offset		7.2
MK25400S	1-1/4" X 24 Spline	5.5"	1/2" — 20 Offset		7.2
MK25406S	1-1/4" X 24 Spline	6.0"	1/2" — 20 Offset		7.2

MANUAL BRAKE ADJUSTERS








STEMCO CREWSON PART NUMBER	SPLINE TYPE	ARM LENGTH	NOTES	WEIGHT (LBS)
MM1200S	1-1/2" X 10 Spline	5.0"/6.0"/7.0"	Straight Arm	5.3
MM1202S	1-1/2" X 10 Spline	5.5"/6.5"	Straight Arm	5.3
MM1296S	1-1/2" X 10 Spline	6.0"	Curved Arm	5.3
MM2200S	1-1/2" X 28 Spline	5.0"/6.0"/7.0"	Straight Arm	5.3
MM2202S	1-1/2" X 28 Spline	5.5"/6.5"	Straight Arm	5.3
MM2204S	1-1/2" X 28 Spline	5.0"/6.0"	Straight Arm	5.3
MM2296S	1-1/2" X 28 Spline	6.0"	Curved Arm	5.3
MM3200S	1-5/8" X 37 Spline	5.0"/6.0"/7.0"	Straight Arm	5.3
MM3206S	1-5/8" X 37 Spline	6.0"	Straight Arm	5.3
MM4200S	1-1/4" X 10 Spline	5.0"/6.0"/7.0"	Straight Arm	5.3
MM4201S	1-1/4" X 10 Spline	4.5"/5.5"	Straight Arm	5.3
MM4204S	1-1/4" X 10 Spline	5.0"/6.0"	Straight Arm	5.3
MM5201S	1-1/4" X 24 Spline	4.5"/5.5"	Straight Arm	5.3

CREWSON BRAKE ADJUSTER COMPONENTS

PIN KITS AND POINTERS

STEMCO CREWSON PART NUMBER	DESCRIPTION	STEMCO CREWSON PART NUMBER	DESCRIPTION
 MC8056KTAS	Pin Kit for ABA with Auto-Check™	 MC8500S	Pointer for ABA with Auto-Check™
 MC8056KTS	Pin Kit for ABA without Auto-Check™	 MC5103S	Arm Bushing Kit
 SC8056KTAS	Stainless Steel Clevis Pin Kit for ABA with Auto-Check™	 1951002	Brake Spring Installation Tool


CLEVIS KITS WITH AUTO-CHECK™

STEMCO CREWSON PART NUMBER	FITS PUSH ROD THREAD	STRAIGHT OR OFFSET	AUTO-CHECK™
 MC8410KTAS	1/2" – 20	Straight	with Auto-Check™
 MC8412KTAS	1/2" – 20	Short	with Auto-Check™
 MC8415KTAS	1/2" – 20	Offset	with Auto-Check™
 MC8420KTAS	5/8" – 18	Straight	with Auto-Check™
 MC8425KTAS	5/8" – 18	Short	with Auto-Check™
 MC8425KTAS	5/8" – 18	Offset	with Auto-Check™
 MC8480KTAS	5/8" – 18	Extended	with Auto-Check™

*Must order Clevis Kits in sets of 10.


CREWSON BRAKE ADJUSTER COMPONENTS

CLEVIS KITS WITHOUT AUTO-CHECK™

	STEMCO CREWSON PART NUMBER	FITS PUSH ROD THREAD	STRAIGHT OR OFFSET	AUTO-CHECK™
	MC8410KTS	1/2" – 20	Straight	No
	MC8415KTS	1/2" – 20	Offset	No
	MC8412KTS	1/2" – 20	Short	No
	MC8420KTS	5/8" – 18	Straight	No
	MC8425KTS	5/8" – 18	Offset	No
	MC8422KTS	5/8" – 18	Short	No
	MC8480KTS	5/8" – 18	Extended	No

*Must order Clevis Kits in sets of 10.

CUTOFF TOOLS

	STEMCO CREWSON PART NUMBER	DESCRIPTION
	MC8530S	Alignment Cutoff Tool
		Template
		Template

BRAKE ADJUSTER MANUFACTURERS CROSS REFERENCE

TO CONVERT NON AUTO-CHECK TO AUTO-CHECK:

- Change the first number from a (2) to (3) for chamber type 16, 20, 24 STD - 1.75" Limit
- Change the first number from a (2) to (4) for chamber type 16, 20, 24 LS, 30 STD, 24LLS, 30LS - 2.00" Limit
- Change the first number from a (2) to (5) for chamber type 36 STD - 2.25" limit

BENDIX	NON AUTO-CHECK	AUTO-CHECK	GUNITE (CONT.)	NON AUTO-CHECK	AUTO-CHECK	MERITOR (CONT.)	NON AUTO-CHECK	AUTO-CHECK
065163	MK24300S	MK44300S	AS1141	MK22106S	MK42106S	R801073	MK22100S	MK42100S
065164	MK24200S	MK34200S	AS1142	MK22101S	MK42101S	R801074	MK22106S	MK42106S
065167	MK25100S	MK45100S	AS1143	MK23100S	MK43100S	R801075	MK22106S	MK42106S
065169	MK21300S	MK41300S	AS1144	MK23106S	MK43106S	R801079	MK22100S	MK42100S
065170	MK21100S	MK41100S	AS1146	MK21100S	MK41100S	R801080	MK22100S	MK42100S
065172	MK21106S	MK41106S	AS1147	MK21106S	MK41106S	R801100	MK23106S	MK43106S
065174	MK22100S	MK42100S	AS1148	MK21101S	MK41101S	R801101	MK23100S	MK43100S
065175	MK22106S	MK42106S	AS1149	MK22100S	MK42100S	R801102	MK23106S	MK43106S
065176	MK22106S	MK42106S	AS1150	MK22106S	MK42106S	R802032	MK24400S	MK34400S
065177	MK23106S	MK43106S	AS1151	MK22101S	MK42101S	R802033	MK24400S	MK34400S
065178	MK23100S	MK43100S	AS1152	MK24400S	MK34400S	R802060	MK25200S	MK35200S
065179	MK23106S	MK43106S	AS1153	MK24300S	MK44300S	R802061	MK25200S	MK35200S
065182	MK23100S	MK43100S	AS1154	MK25400S	MK35400S	R802070	MK25100S	MK45100S
065221	MK22200S	MK32200S	AS1155	MK25300S	MK45300S	R802071	MK25100S	MK45100S
065244	MK24400S	MK34400S	AS1156	MK21300S	MK41300S	R802444	MK22100S	MK42100S
065245	MK22400S	MK32400S	AS1157	MK22300S	MK42300S	R802447	MK22100S	MK42100S
065247	MK22100S	MK42100S	AS1159	MK23100S	MK43100S	R806005	MK22152S [E]	[E]
065274	MK24200S	MK44200S	AS1160	MK23106S	MK43106S	R806006	MK22153S [E]	[E]
065276	MK22400S	MK42400S	AS1162	MK21100S	MK41100S	R806013	MK22106S	MK42106S
065306	MK25400S	MK45400S	AS1163	MK21106S	MK41106S	R806014	MK23106S	MK43106S
065344	MK21106S	MK41106S	AS1164	MK21101S	MK41101S	R806015	MK21106S	MK42106S
065335	MK25200S	MK35200S	AS1165	MK22100S	MK42100S	R806019	MK22100S	MK42100S
065403	MK25100S	MK45100S	AS1166	MK22106S	MK42106S	R806020	MK23100S	MK43100S
065488	MK21300S	MK41300S	AS1167	MK22101S	MK42101S	R806021	MK21100S	MK41100S
065700	MK41100S	MK41100S				R806022	MK21102S [E]	MK41100S [E]
801351	MK24100S	MK44100S				R806023	MK21103S [E]	MK41106S [E]
801353	MK21200S	MK31200S				R806024	MK22103S [E]	MK42106S [E]
801355	MK22200S	MK32200S				R806026	MK22102S [E]	MK42100S [E]
801356	MK22106S	MK42106S				R806504	MK25300S	MK45300S
801358	MK21300S	MK41300S				R806505	MK25300S	MK45300S

HALDEX	NON AUTO-CHECK	AUTO-CHECK
40010002	MK24300S	MK44300S
40010003	MK24300S	MK44300S
40010005	MK21100S	MK41100S
40010006	MK21300S	MK41300S
40010007	MK21300S	MK41300S
40010008	MK22100S	MK42100S
40010013	MK24100S	MK44100S
40010048	MK2300S	MK4300S
40010049	MK2300S	MK4300S
40010070	MK22100S	MK42100S
40010071	MK21100S	MK41100S
40010072	MK24100S	MK44100S
40010081	MK22100S	MK42100S
40010140	MK22103S [E]	MK42106S [E]
40010141	MK22102S [E]	MK42100S [E]
40010142	MK21103S [E]	MK41106S [E]
40010143	MK22102S [E]	MK41100S [E]
40010144	MK22106S	MK42106S
40010145	MK21106S	MK41106S
40010155	MK21100S	MK41100S
40010211	MK22100S	MK42100S
40010212	MK22106S	MK42106S
40010213	MK23100S	MK43100S
40010214	MK23106S	MK43106S
40010215	MK21100S	MK41100S
40010216	MK21106S	MK41106S
40010302	MK21153S [E]	[E]
40010304	MK22152S [E]	[E]

MIDLAND	NON AUTO-CHECK	AUTO-CHECK
CS52315	MK21103S [E]	MK41106S [E]
CS52316	MK21102S [E]	MK41100S [E]
CS52317	MK21104S	N/A
CS52320	MK22102S [E]	MK42100S [E]
CS52321	MK22103S [E]	MK42106S [E]
CS52322	MK22104S	N/A
CS52325	MK23102S [E]	MK43100S [E]
CS52326	MK23106S	MK43106S
CS52330	MK24102S [E]	MK44100S [E]
CS52331	MK24300S	MK44300S
CS52332	MK24103S [E]	MK44106S [E]
CS52335	MK25102S [E]	MK45100S [E]
CS52336	MK25300S	MK45300S
CS52337	MK25103S [E]	MK45106S [E]
CS53342	MK21153S [E]	[E]
CS52343	MK22153S [E]	[E]
CS52344	MK21104S	N/A
CS52345	MK22104S	N/A
CS52346	MK21100S	MK41100S [E]
CS52347	MK22102S [E]	MK42100S [E]
CS52348	MK21106S	MK41106S [E]
CS52349	MK22106S	MK42106S [E]
CS52350	MK23106S	MK43106S [E]
CS52351	MK22152S [E]	[E]
CS52352	MK22152S [E]	[E]
CS52353	MK21103S [E]	MK41106S [E]
CS52354	MK21102S [E]	MK41100S [E]
CS52355	MK22103S [E]	MK42106S [E]
CS52356	MK22102S [E]	MK42100S [E]
CS52357	MK23100S	MK43100S [E]
CS52358	MK24100S	MK44100S [E]
CS52359	MK25100S	MK35100S [E]
CS52360	MK24200S	MK34200S [E]
CS52361	MK25200S	MK35200S [E]
CS52362	MK21100S	MK41100S [E]
CS52363	MK21106S	MK41106S [E]
CS52364	MK22100S	MK42100S [E]
CS52365	MK22106S	MK42106S [E]
CS52366	MK23106S	MK43106S [E]

MERITOR	NON AUTO-CHECK	AUTO-CHECK
R801001	MK24200S	MK34200S
R801002	MK25200S	MK35200S
R801003	MK25100S	MK35100S
R801004	MK24100S	MK44100S
R801040	MK21106S	MK41106S
R801041	MK21100S	MK41100S
R801042	MK21106S	MK41106S
R801043	MK21100S	MK41100S
R801044	MK21106S	MK41106S
R801070	MK22200S	MK42200S
R801071	MK22106S	MK42106S
R801072	MK22100S	MK42100S

GUNITE	NON AUTO-CHECK	AUTO-CHECK
AS1132	MK21100S [E]	MK41100S [E]
AS1133	MK21106S	MK41106S
AS1134	MK21101S	MK41101S
AS1136	MK24100S [E]	MK44100S [E]
AS1138	MK25100S [E]	MK35100S [E]
AS1140	MK22100S [E]	MK42100S [E]

Use Clevis Kit MC8410KTS for 1/2" Push Rods.
 ALL Gunite AS1000 Numbers are Without Clevises.
 IE: AS1040 is a AS1140 with Clevis.

- [A]** Auto-Check part numbers exact crossover
- [B]** Double Drilled
- [C]** 6" arm length only
- [D]** 5.5" arm length only

- [E]** No Auto-Check 12-1/4" brakes
- [F]** For 5/8" Push Rod Applications
- [G]** Double Drilled
- [H]** 6" Only

- [I]** 5.5" Only
- [J]** No Auto Check 12-1/4" brakes
- [K]** Auto-Check part numbers exact crossover
- [L]** Doubled Drilled

- [M]** 6" Only
- [N]** 5.5" Only
- [O]** No Auto-Check 12-1/4" brakes