

BRAKE CHAMBERS BROCHURE



Auto-Wares
GROUP OF COMPANIES

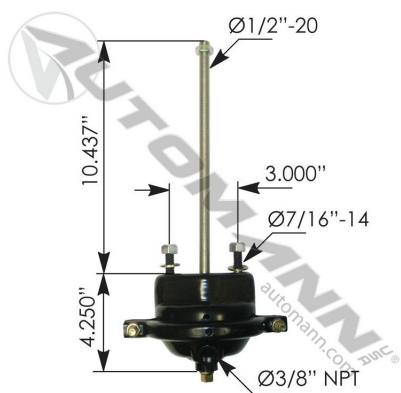
**SERVICE
IS THE
DIFFERENCE.**

**We
Get
It!**

Available at:



SERVICE CHAMBERS



#179.SC9



#SC12



HDX #SC16



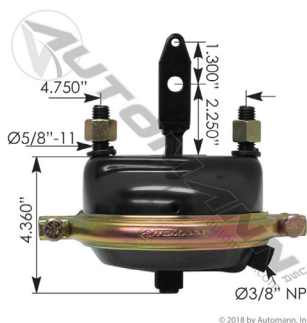
KEN #SC16



#179.SC20L



#SC20LCW



#179.SC20LW225

SERVICE CHAMBERS

Brand	LC	Part No.	Type	Stroke	Bolt Centers	Rod Thread	Clamp OD	Clevis
Autmann	ABP	179.SC9	9	1.75"	3"	1/2"	7.5"	Without
Haldex	HDX	SC09	9	1.75"	3"	1/2"	7.5"	Without
Autmann	ABP	179.SC12	12	1.75"	3"	1/2"	8.1"	Without
Haldex	HDX	SC12	12	1.75"	3"	1/2"	8.1"	With
Keene	KEN	SC12	12	1.75"	3"	1/2"	8.1"	With
Haldex	HDX	SC16	16	2.25"	3"	1/2"	8"	With
Keene	KEN	SC16	16	2.25"	3"	1/2"	8"	With
Autmann	ABP	179.SC16A	16	2.25"	3"	1/2"	8"	With
Haldex	HDX	SC16L	16	2.5"	4.75"	1/2"	8"	With
Autmann	ABP	179.SC20	20	2.25"	4.75"	5/8"	8.6"	With
Haldex	HDX	SC20	20	2.25"	4.75"	5/8"	8.6"	With
Autmann	ABP	179.SC20L	20	2.5"	4.75"	5/8"	8.6"	Without
Haldex	HDX	SC20LCW	20	2.5"	4.75"	5/8"	8.6"	Welded
Autmann	ABP	179.SC20LW225	20	2.5"	4.75"	5/8"	8.6"	Welded



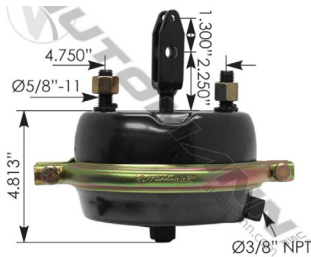
#179.SC24



#SC24XLCW



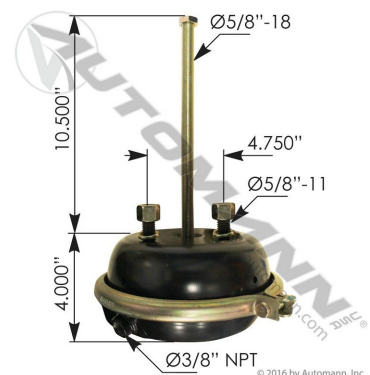
#179.SC30



#179.SC30LW225



#179.SC30RL



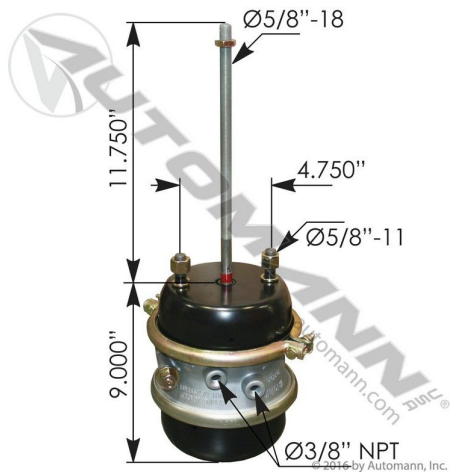
#179.SC36

SERVICE CHAMBERS

Brand	LC	Part No.	Type	Stroke	Bolt Centers	Rod Thread	Clamp OD	Clevis
Automann	ABP	179.SC24	24	2.25"	4.75"	5/8"	9.4"	With
Automann	ABP	179.SC24L	24	2.5"	4.75"	5/8"	9.4"	With
Haldex	HDX	SC24XLCW	24	3"	4.75"	5/8"	7.5"	Welded
Haldex	HDX	SC30	30	2.5"	4.75"	5/8"	10.2"	Without
Automann	ABP	179.SC30	30	2.5"	4.75"	5/8"	10.2"	With
Automann	ABP	179.SC30L	30	3"	4.75"	5/8"	10.2"	With
Automann	ABP	179.SC30LW225	30	3"	4.75"	N/A	10.2"	Welded
Automann	ABP	179.SC30RL	30	Tail-gate	4.75"	5/8"		Without
Automann	ABP	179.SC36	36	3"	4.75"	5/8"	11.2"	Without



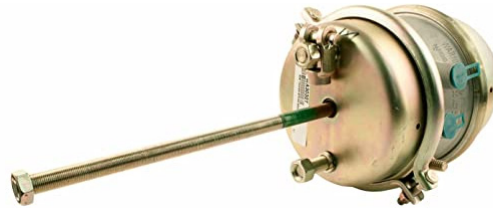
COMBO CHAMBERS (3030)



#179.SB3030S



#3030CE



#WA3030T



#LCP3030

3030 COMBO CHAMBERS

- Stroke: 2.5" (Standard)
- Ports: (Shape) Round
- Bolt Centers: 4.75"
- Rod Thread: 5/8"
- Clamp O.D.: 10.2"

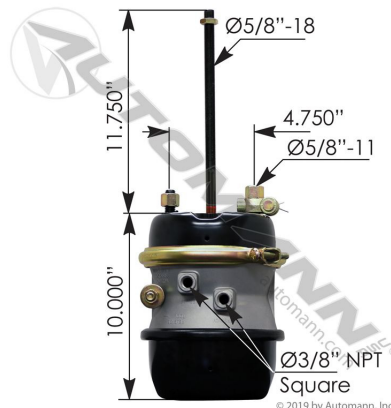


#NT3030STD78 (80 & 120)

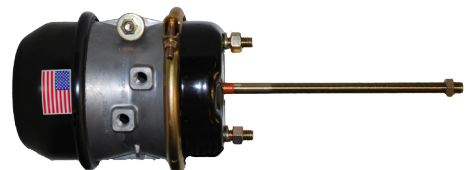
Brand	LC	Part No.	Push Rod	Clevis	Warranty
Automann	ABP	179.SB3030S	11.75"	Without	1 Year
Dayton	DBP	3030CE	12"	With	1 Year
Midwest	MID	WA3030T	13"	Without	1 Year
Bendix	BEN	NT3030STD78	7.8"	Without	4 Year
Haldex	HDX	GC3030	10"	With	4 Year
Bendix	BEN	NT3030STD120	12" Intrax	Without	4 Year
Bendix	BEN	EPRO3030STD78	8.0"	Welded	6 Year
Haldex	HDX	LCP3030	10"	Without	8 Year



#WA3030TL



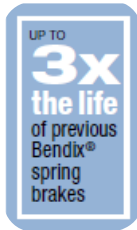
#179.SB3030SL



#3030LS

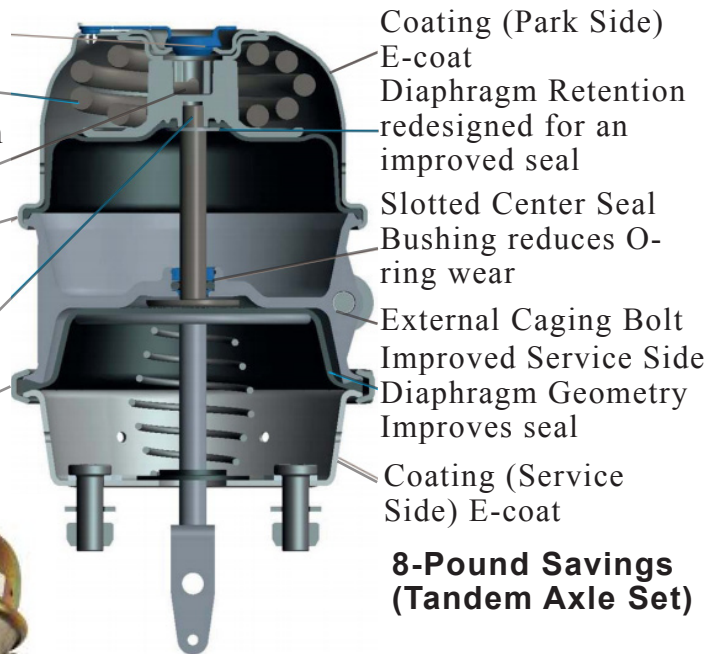
COMBO CHAMBERS (3030)

Endurasure EPRO Numbers

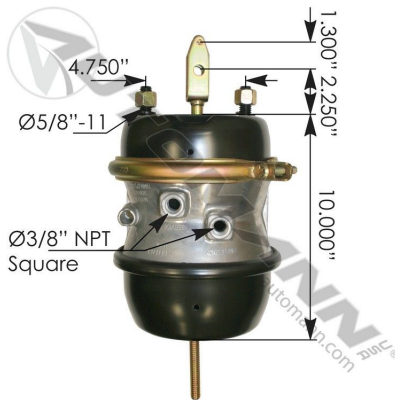


Dust Plug
Bendix® No Touch™
Power Spring plus epoxy
coating prevents coil clash
Optimized Shut Height
Aluminum Piston
Park Side Crimp
improves seal
Threaded Park Side
Push Rod for an
improved internal seal

Service Side Crimp improves seal



**8-Pound Savings
(Tandem Axle Set)**



#179.SB3030SLW225



#NT3030ELS-WC

- *#NT3030ELS-WC
Round Ports



#GC3030LCW



#LCP3030L

3030 COMBO CHAMBERS

- Stroke: 3.0" (Long Stroke)
- Ports: (Shape) Square*
- Bolt Centers: 4.75"
- Rod Thread: 5/8"
- Clamp O.D.: 10.2"

Brand	LC	Part No.	Push Rod	Clevis	Warranty
Midwest	MID	WA3030TL		With	1 Year
Automann	ABP	179.SB3030SL	11"	With	1 Year
Proline	PHD	3030LS		Without	1 Year
Automann	ABP	179.SB-3030SLW225	2.25"	Welded	1 Year
Haldex	HDX	GC3030L	10"	With	4 Year
Bendix	BEN	NT3030ELS80	8.0"	Without	4 Year
Bendix	BEN	NT3030ELS-WC	2.25"	Welded	4 Year
Haldex	HDX	GC3030LCW	2.25"	Welded	4 Year
Bendix	BEN	EPRO3030ELS80	8.0"	Without	6 Year
Haldex	HDX	LCP3030L	10"	Without	8 Year



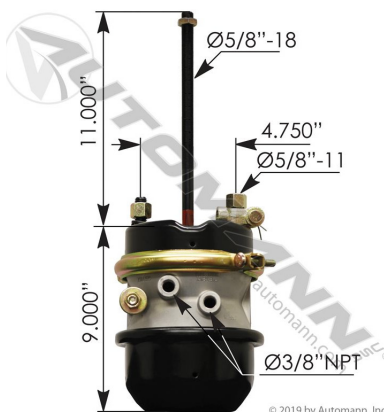
COMBO CHAMBERS



#GC2024



#GC2424



#179.SB2424S



#WA2424T



#GC2424L



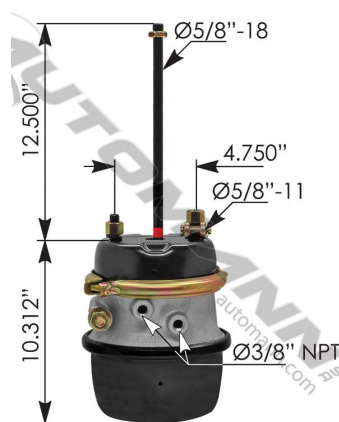
#179.SB2430S



#GC2430L



#GC2430LXCW



#179.SB3036S

COMBO CHAMBERS

- Bolt Centers: 4.75"
- Rod Thread: 5/8"

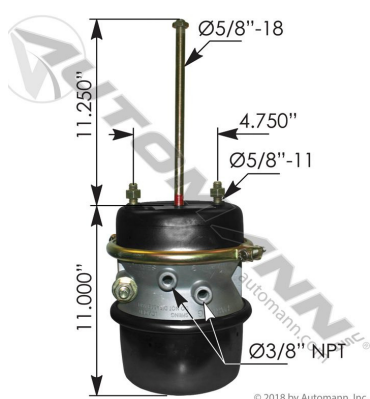
HDX: Haldex
ABP: Automann
MID: Midwest

LC	Part No.	Type	Stroke	Clamp OD	Push Rod	Ports	Clevis	Warranty
HDX	GC2024	2024	2.25"	8.7"	9.68"	Round	Without	4 Year
HDX	GC2424	2424	2.25"	9.6"	9.65"	Round	With	4 Year
ABP	179.SB2424S	2424	2.25"	9.6"	10.812"	Round	With	1 Year
MID	WA2424T	2424	2.25"	9.6"		Round	With	1 Year
HDX	GC2424L	2424	2.5"	9.4"	10.00"	Square	Without	4 Year
ABP	179.SB2430S	2430	2.25"	9.4"	10.625"	Round	With	1 Year
HDX	GC2430L	2430	2.5"	9.4"	10.00"	Square	Without	4 Year
HDX	GC2430LXCW	2430	3"	9.4"		Round	Welded	4 Year
ABP	179.SB3036S	3036	2.5"	10.2"	12.5"	Round	With	1 Year
HDX	GC3036LCW	3036	3"	10.2"	1.0"	Square	Welded	4 Year
ABP	179.SB3636S	3636	3"	11.3"	11.25"	Round	Without	1 Year
HDX	GC3636	3636	3"	11.3"	9.0"	Round	Without	4 Year

COMBO CHAMBERS / BOOTS / PLUGS / RODS



#GC3036LCW



#179.SB3636S



#GC3636

COMBO CHAMBERS CONTINUED

RUBBER BOOT & PLATE ASSEMBLY

Tectran
TCT 150-30B



Euclid
EUC E11984

CHAMBER PUSH ROD

- Thread: 5/8"
- Length: 17"



#RTP1



#RTP2



#RTP3



#E9112

RUBBER PLUG

- Caging Bolt Plug

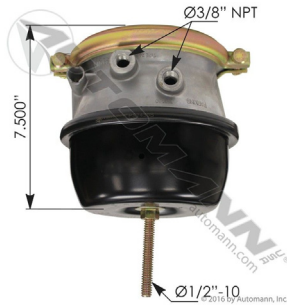
Brand	LC	Part No.	Chambers	Color	Application
Haldex	HDX	RTP1	T20-T30	Blue	For Gold Seal except xx36
Haldex	HDX	RTP2	3030	Black	For Midland Style
Haldex	HDX	RTP3	T36	Blue	For Gold Seal 3036 & 3636
Euclid	EUC	E9112	WEDGE	Blue	Wedge Brake & Piggybacks



PIGGYBACK KITS / CAGING BOLT TOOL



#GP1624



#179.PB2430S
#179.PB2424S



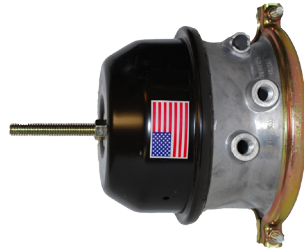
#GP2430L



#NT3030STDKIT



#WA3030PBK3



#3030K



#NT3030ELSKIT



#5011593

PIGGYBACK KITS

- Kit Includes: Chamber, Clamp, & Diaphragm

Brand	LC	Part No.	Type	Stroke	Warranty
Haldex	HDX	GP1624	1624	2.25"	4 Year
Automann	ABP	179.PB2430S	2430	2.25"	1 Year
Haldex	HDX	GP2430L	2430	2.25"	4 Year
Automann	ABP	179.PB2424S	2424	2.25"	1 Year
Bendix	BEN	NT3030STDKIT	3030	2.5"	1 Year
Midwest	MID	WA3030PBK3	3030	2.5"	1 Year
Proline	PHD	3030K	3030	2.5"	4 Year
Bendix	BEN	NT3030ELSKIT	3030	3"	4 Year
Bendix	BEN	5011593	2430	3"	1 Year



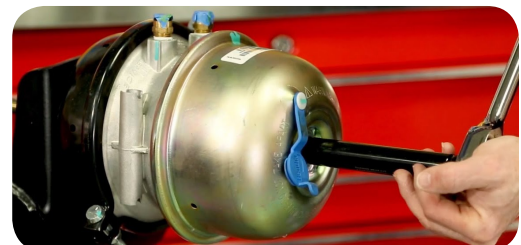
Threads: 1/2"-10 ACME

Automann
ABP 179.4019



Euclid
EUC E11988

How & When to Cage a Brake Chamber. Pg 14



CAGING BOLT ASSEMBLY TOOL

CHAMBER CLAMPS / DIAPHRAGMS



CHAMBER CLAMPS

- Clamps should only be used on the Service Side (Spring Side).

Brand	LC	Part No.	Type
Haldex	HDX	CB16	16
Halex	HDX	CB20	20
Haldex	HDX	CB20S1	20
Dayton	DBP	05-126	24
Haldex	HDX	CB24	24
Dayton	DBP	05-132	36
Haldex	HDX	CB36S1	36

Kit Contains:

- (2) Clamp Bands
- (2) Bolts
- (2) Nuts

Clamps Colors:

- Black
- Gold
- Silver



#236524



#179.DT9



#179.DT24

#179.DT36

DIAPHRAGM (PANCAKE)

Brand	LC	Part No.	Type	Width	Depth
Bendix	BEN	*236524	9	4-5/16"	
Automann	ABP	179.DT9	9	5"	1.175"
Automann	ABP	179.DT12	12	1.295	5.5"
Automann	ABP	179.DT16	16	1.295	6.135
Automann	ABP	179.DT20	20	1.295"	6.55"
Automann	ABP	179.DT24	24	1.315"	7"
Automann	ABP	179.DT24L	24L	2.050"	7"
Automann	ABP	179.DT30	30	1.505"	7.875"
Automann	ABP	179.DT30L	30L	1.905	7.875"
Automann	ABP	179.DT36	36	8.75"	1.745



Back

*Rotochamber Diaphragm T9



CLEVIS (YOKE KIT)



#179.YK5810
#179.YK5812
#K36470
#179.YK5813
K36480



#179.YK5008



#AS3000
#AS3001



#AS3003



#AS3013



#AS3016



#AS3018



#AS3019

CLEVIS KIT (YOKE KIT)

- #179.YK5008 Hole to Hole: 1-3/8"

ABP: Automann
KEN: Keene
GUN: Gunité

LC	Part No.	Pin Size	Push Rod Thread	Type	Style	Slack Adjustor
ABP	179.YK5810	1/2"	1/2-20"		Straight	Manual
ABP	179.YK5008	1/4" & 1/2"	5/8-18"	Crewson Brunner	Straight	Automatic
ABP	179.YK5812	1/2"	5/8-18"		Straight	Manual
KEN	K36470	1/2"	5/8-18"	20, 24 & 30	Straight	Manual
ABP	179.YK5813	5/8"	5/8-18"		Straight	Manual
KEN	K36480	5/8"	5/8-18"		Straight	Manual
GUN	AS3000	1/4" & 1/2"	5/8-18"	Threaded	Straight	Automatic
GUN	AS3001	1/4" & 1/2"	1/2-20"	Threaded	Straight	Automatic
GUN	AS3003	1/4" & 1/2"	5/8-18"	Threaded	Offset	Automatic
GUN	AS3013	1/4" & 1/2"	5/8-18"	Extended Threaded	Straight	Automatic
GUN	AS3016	1/4" & 1/2"	5/8-18"	Collar Lock	Straight	Automatic
GUN	AS3018	1/4" & 1/2"	5/8-18"	Extended Collar Lock	Straight	Automatic
GUN	AS3019	1/4" & 1/2"	1/2"&5/8"	Collar Lock	Straight	Automatic



#R810019



#R810021



#R810024

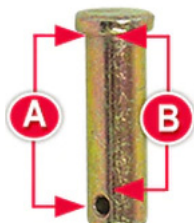


#R810025

CLEVIS KIT (YOKE KIT) CONTINUED

- Pin Size: 1/4" & 1/2"
- For Automatic Slack Adjustors

Brand	LC	Part No.	Push Rod Thread	Stroke	Style	Notes
Meritor	ARV	R810019	5/8-18"	Standard	Straight	
Meritor	ARV	R810021	5/8-18"	Long	Straight	
Meritor	ARV	R810024	1/2-20"	Standard	Offset	T16 & Down
Meritor	ARV	R810025	5/8-18"		Offset	T20 & Up



Standard Clevis Pin



Cotter Pin



#CQ19113



#179.CPK6



#E10952

#2008-8
#2008-10

CLEVIS ADJUSTER PINS

Brand	LC	Part No.	Pin Size	Slack	Notes
Tectran	TCT	2008-8	1/2"	Standard	1.343" (A)
Tectran	TCT	2008-10	5/8"	Standard	1.453" (A)
Auto-mann	ABP	179.CPK6	1/4" & 1/2"	Automatic	6 Pack
Haldex	HDX	CQ19113	1/4" & 1/2"	Automatic	
Euclid	EUC	E10952	1/2"		Greasable
Meritor	ARV	R810005	1/4" & 1/2"	Standard	Meritor
Meritor	ARV	R810005LW	1/4" & 1/2"	Long	Meritor



#R810005



#R810005LW



ROTOCHAMBERS / MAXIBRAKE / LUCAS GIRLING



#226740



#229821N



#5001188

ROTOCHAMBERS

Brand	LC	Part No.	Type
Bendix	BEN	226740	9
Bendix	BEN	229821N	50
Bendix	BEN	5001188	50

#229821N

- Port: 3/8" NPT
- Push Rod Length: 10-15/16"
- Push Rod Thread: 3/4"-16
- Diameter: 9-13/32"
- Stroke: 4"



#MA15665



#MA15511



MAXIBRAKE SPRING BRAKES

- 125 PSI Maximum Air/Hydraulic Pressure

Brand	LC	Part No.	Stroke	Spring	Push Rod Threads
Hallex	HDX	MA15665	3.00"	#75	8"
Hallex	HDX	MA15511		#06	

LUCAS GIRLING CHAMBERS

- 125 PSI Maximum Air/Hydraulic Pressure

Brand	LC	Part No.
Hallex	HDX	MA15500X
Bepco	BEP	KSH101AX



#MA15500X



#KSH101AX

AIR DISC CHAMBERS (ACTUATORS)

AIR DISC SERVICE CHAMBERS

- Stroke: 2.25"



Keene Exports



Bendix

Brand	LC	Part No.	Type	Warranty
Keene	KEN	KDT14	14	1 Year
Keene	KEN	KDT16	16	1 Year
Bendix	BEN	K028226	16	3 Year
Keene	KEN	KDT18	18	1 Year
Keene	KEN	KDT20	20	1 Year
Bendix	BEN	K028225	20	3 Year
Keene	KEN	KDT24	24	1 Year



Keene Exports

AIR DISC COMBO CHAMBERS

- Stroke: 2.25"

Brand	LC	Part No.	Type	Warranty
Keene	KEN	KDT1624	1624	1 Year
Bendix	BEN	K042457	1624	4 Year
Keene	KEN	KDT1824	1824	1 Year
Bendix	BEN	K132352	1824	4 Year
Midwest	MID	WA1824D	1824	4 Year
Bendix	BEN	K041960	2024	1 Year
Keene	KEN	KDT2024	2024	1 Year
Meritor	ARV	2024HTND23626	2024	3 Year
Haldex	HDX	GC2024D	2024	4 Year
Haldex	HDX	GC2030D	2030	4 Year
Bendix	BEN	K043148	2224	4 Year
Keene	KEN	KDT2424	2424	1 Year
Meritor	ARV	24HSCND23632	2424	3 Year
Bendix	BEN	K043270	2424	4 Year
Keene	KEN	KDT2430	2430	1 Year
Haldex	HDX	GC2430D	2430	4 Year
Haldex	HDX	LCP2430D	2430	8 Year



Bendix



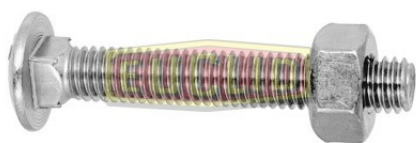
Meritor



Haldex



AIR DISC ACCESSORIES / HOW TO MEASURE



AIR CHAMBER CLAMPING BOLT & NUT

Brand	LC	Part No.	Thread	Length
Euclid	EUC	E2144	3/8"-16	2-1/2"



#E631



#E2518A



#E2681A



#E3781

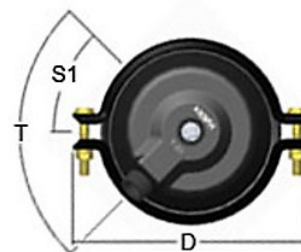
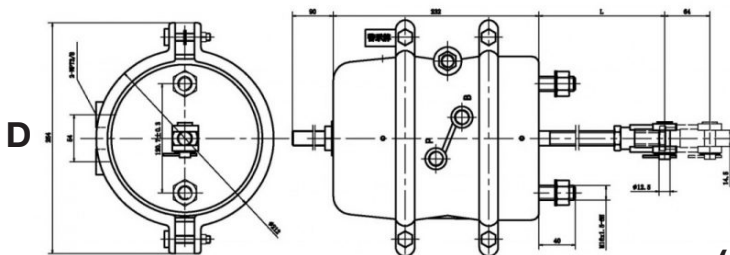
AIR BRAKE CHAMBER BRACKETS

Brand	LC	Part No.	Description
Euclid	EUC	E631	Universal For Most 4-1/2" & 5" Round Axles
Euclid	EUC	E2518A	Spicer & Standard Forge Axles
Euclid	EUC	E2681A	Meritor 5" Round Axle
Euclid	EUC	E3781	Fruehauf Axles; Sold as Sets ONLY

How to Measure a Brake Chambers:

Brake chamber size can be determined by measuring the **diameter of the clamp** used to hold it together or by locating the size markings on the brake chamber. The most common brake chamber size is 30. However, there are vehicles using both smaller and larger sizes. For example, sizes 16, 20, 24 and 36 brake chambers may be used

Diameter
of the
Clamp



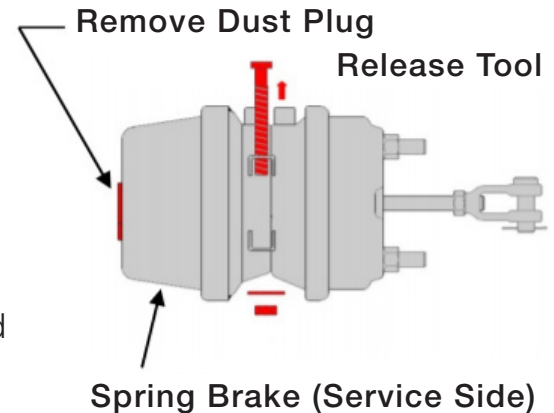
(D) Diameter of the Clamp

YouTube Video from A-1 Truck Parts: https://youtu.be/HFOv5q1C_Yc

CAGING: WHY & HOW / CUTTING A PUSH ROD

Caging brakes is only done when an air brake system failure has happened and you need to get your unit to a safe haven only, not normal operation. This procedure releases the spring tension within the brake chamber and will render that wheel with no brakes when completed.

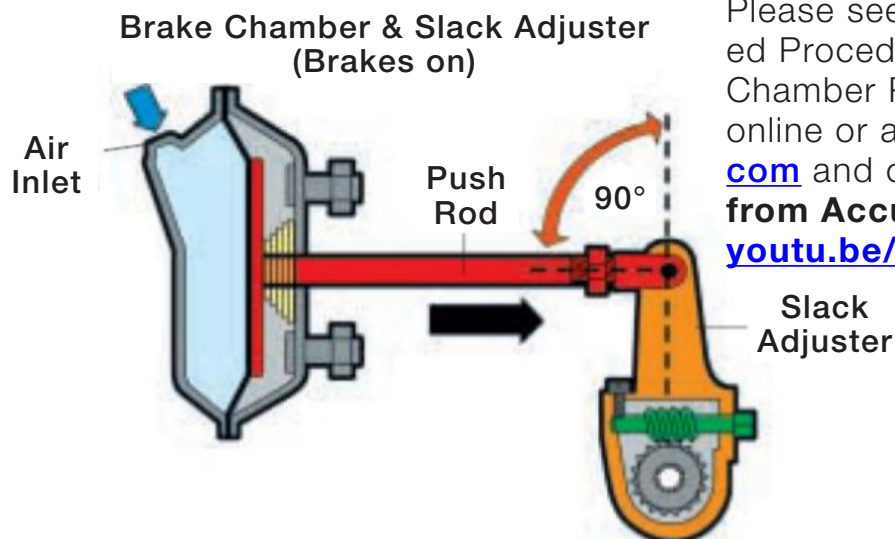
- To do this, crawl under truck or trailer and find brake chamber to the wheel with brakes you want to release.
- On the chamber itself, you'll find the internal hex pipe plug. It'll be mounted on the clamp of the brake chamber. Remove the nut, washer and tool from the holder.
- Remove dust cover from brake chamber
- Insert caging tool into chamber and turn 1/4 clockwise to seat the tool
- Insert washer and nut
- Tighten to about 2.5 inches of caging tool exposed. This is hard work as you'll be compressing that spring by hand.
- At this point, your brakes should be released on that wheel. If not, continue to turn until released



Remember, this procedure is not for normal operation, but to get to a safe haven where repairs can be performed. Stay safe out there!

YouTube Video from Garage Gurus: <https://youtu.be/XVmRCPSVQrM>

How to Properly Cut a Push Rod: (Service Brake Chamber or Double Diaphragm Spring Brake Chamber)



Too many steps to place here. Please see Haldex: Recommended Procedure for Cutting Brake Chamber Push-Rod L58002 pdf online or at Autowaresgroup.com and or see **YouTube Video from Accuride (Gunitite):** <https://youtu.be/Nzm39DFANm0>



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