PHOENIX

Architectural Hardware Group



About us

Phoenix Architectural Hardware (PAH) was started with the vision of providing the best quality products, paramount customer service, all at very competitive pricing. Here we have truly listened to the customer about what you need and what you expect from your hardware supplier.

So what makes us different?

Our Customer Service - We can assure you that you will not find better customer service than what you will find here. Our sales professionals are trained in the hardware business and not just in order entry. If you have questions about our products as well as others, we will be more than happy to answer them.

Our Lead Times - As part of our commitment to you; orders received before 2:30EST will ship the very same business day. We take pride in that everything in our catalog will be in stock and ready for your next job.

Our Product Flexibility - One of our biggest attributes is that we have limited the amount of hardware in order to be the best in every category. Having hand selected and tested the best hardware in each classification, stocking our door hardware will allow you the ability to have what you need for almost any job.

Our Reliability- Our products are manufactured by some of the most respected brand names in our industry. Along with our very own rigorous testing, we can assure you that our products will exceed your expectations and shine a new light on Grade 1 Import Hardware.

Our Ability to Listen - Phoenix Architectural Hardware (PAH) relies on your opinion of existing products as well as ideas for new ones. Our most recent example of this is our DB201 and DB202 Door Sweep. This door sweep derived from requests from people just like you.









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DON-JO LCN. FALCON. IVES. VON DUPRIN.

Hardware Finishes

Architectural Hardware Finishes

Base Material Designation For BHMA (Builders Hardware Manufacturers Association) Base materials are available in steel, brass & bronze, and stainless steel.

US Finish	Description	Steel Base	Brass & Bronze	Stainless
1B	Black	601	601	N/A
2C	Zinc Plated, Commercial	603	N/A	N/A
3	Bright Brass	632	605	N/A
4	Satin Brass	633	606	N/A
5	Satin Brass, Oxidized	638	609	N/A
7	Bright Brass, Nickel Oxidized & Highlighted	636	610	N/A
9	Bright Bronze	637	611	N/A
10	Satin Bronze	639	612	N/A
10A	Antique Bronze Lacquered	641	614	N/A
10B	Dark Oxidized Satin Bronze, Oil Rubbed	640	613	N/A
14	Bright Nickel	645	618	N/A
15	Satin Nickel	646	619	N/A
15A	Satin Nickel, Nickel Oxidized & Highlighted	647	620	N/A
17A	Black Nickel, Dull	648	621	N/A
19	Flat Black Coated (Powder Coated)	631	622	N/A
20	Statuary Bronze, Light	649	623	N/A
20A	Statuary Bronze, Dark	650	624	N/A
26	Bright Chromium Plated	651	625	N/A
26D	Satin Chromium Plated	652	626	N/A
32	Stainless Steel Metal, Bright	N/A	N/A	629
32D	Stainless Steel Metal, Satin	N/A	N/A	630
Р	Prime Coat	600	600	N/A

Actual finish color and availability may vary by manufacturer.

Color Guide

Sprayed finishes.



Aluminum AL



Dark Bronze Duranodic DU

Plated finishes.



605 - US3 Bright Brass



613 - US10B Dark Satin Bronze, Oil Rubbed



606 - US4 Satin Brass



625 - US26 Bright Chrome



609 - US5 Antique Brass



626 - US26D Satin Chrome



612 - US10 Satin Bronze



630 - US32D Stainless Steel

Colors below are intended to be a guide and can vary during the printing process.





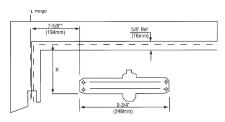
615-RWPA SERIES DOOR CLOSER

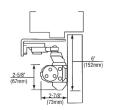
Phoenix 615 Closers are designed for Medium to heavy duty commercial use. With an adjustable power tension these closers can handle the lightest ADA compliant jobs, to the heavy - high traffic applications. Our closers only come in Grade 1 and have been tested over 2 million cycles. Barrier-free operation complies with federal accessibility standards (ADA) and ANSI A117.1

Features

- ANSI A156.4 Grade 1
- Tri-packed with large parallel arm bracket
- · Separate sweep, latch and backcheck adjustments
- · Lifetime warranty

- Full cover
- Needle bearings
- · All-weather fluid
- 3/4" x 9 1/16" center to center
- UL listed 10C





* For doors opening up to 100°

615 Series Parts And Accessories



615-PAB Parallel arm bracket



Parallel Arm Mount large drop plate without cover 615-18PAW Parallel Arm Mount large drop plate with cover



615-18TJ Top Jamb Mount narrow drop plate





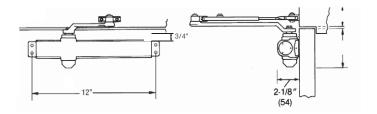
816-RWPA SERIES DOOR CLOSER

Phoenix 816 door closers are designed for heavy duty commercial use. With an adjustable power tension these closers can handle the lightest ADA compliant jobs, to the heavy - high traffic applications. Our closers only come in Grade 1 and have been tested over 2 million cycles. Barrier-free operation complies with federal accessibility standards (ADA) and ANSI A117.1s Grade 1.

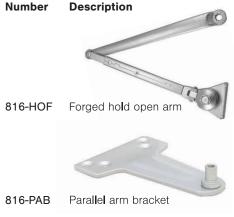
Features

- ANSI A156.4 Grade 1
- · Heavy duty applications
- Meets ADA requirements
- Tri-packed with parallel arm bracket
- · Lifetime warranty
- · Slim line cover

- · Self-drilling screws
- Adjustable spring power 1-6
- · All-weather fluid
- 3/4" x 12" center to center
- UL listed 10C



816 Series Parts And Accessories





816-18PA Parallel Arm Mount large drop plate



816-18TJ Top Jamb Mount narrow drop plate





416-RWPA SERIES DOOR CLOSER

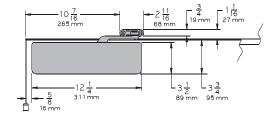
Phoenix 416 heavy duty closers are designed for institutional and other extreme or high traffic applications. This cast iron, fully adjustable closer is our most popular for high traffic applications and comes with a life time warranty.

Features

Number

- ANSI A156.4 Grade 1
- Tri-packed with large parallel arm bracket
- · Separate sweep, latch and backcheck adjustments
- · Lifetime warranty
- Adjustable Spring Power 1-6
- · Self-drilling screws for storefront installations
- · Needle bearings
- · Full cover
- · All-weather fluid
- UL listed 10C

Number

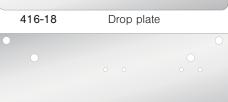


416 Series Parts And Accessories Description





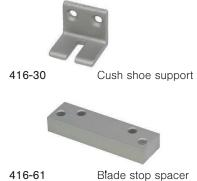




Description

416-18PA

Parallel arm drop plate





416-18G Drop plate



LCN DOOR CLOSER

LCN door closers are the industry leader in quality. These cast iron closers are the preferred choice for government buildings, schools and other specified jobs. Made to perform in medium to high traffic areas, these closers are design to perform in the harshest conditions. Made in USA.

Features

- · High strength cast iron cylinder
- · All weather fluid eliminates seasonal adjustments
- Full rack and pinion hydraulic action
- High efficiency, full complement, low friction bearings
- Tamper resistant regulating screws



Part Numbers

1250-RWPA

1250-HWPA

1250-EDA

1250-CUSH

1250-CUSH

1250-SCUSH

1250-SHCUSH



Part Numbers

1461-RWPA

1461-HWPA

1461-EDA

1461-CUSH

1461-CUSH

1461-SCUSH 1461-SHCUSH



1260-HWPA

1260-EDA

1260-CUSH

1260-CUSH



Part Numbers

1450-RWPA

1450-RWPA

1450-HWPA

1450-EDA

1450-CUSH

1450-CUSH

1450-SCUSH

1450-SHCUSH





Part Numbers

4040XP-RWPA

4040XP-HWPA

4040XP-EDA

4040XP-CUSH

4040XP-CUSH

4040XP-SCUSH

4040XP-SHCUSH





Part Numbers

4050-RWPA

4050-HWPA

4050-EDA

4050-CUSH

4050-CUSH

4050-SCUSH 4050-SHCUSH



Low Energy Operator



LOW ENERGY OPERATOR PHOENIX 7 DOOR CLOSER

Our easy to install Phoenix 7 operators are made in the USA and are designed to be used in light, medium or high traffic locations. For door applications that require ADA barrier free access, our Phoenix 7 will be your solution. See features below.



Feature

- Three-zone opening with independent open, check, and hold values
- Adjustable open acceleration and deceleration rates
- Two-zone closing with built-in close speed adjustment
- Reliable, micro-switch based adjustments for open and latch check zones
- · Dedicated connector for radio receiver.
- Dedicated connector for on/off/hold open switch
- Dedicated connector for safety devices includes both standard and stall/seek inputs, as well as data output for pattern switching
- Sync connector for paired operation
- Auxiliary connector (programmable via software for a variety of functions)

- Two-digit display with three-button interface for adjustments
- Built-in strike interface with dedicated relay and connector for lock
- Selectable Lock Un-Jam
- · Adjustable Torque Limiting
- · Adjustable Obstruction Sensing
- Selectable Close Recycle
- Selectable Push-To-Open
- Power-Assist Close
- Lightweight, rugged design, built-in power supply with easy installation and adjustment

Push Plate Package*

Part Number	Description
PAH10006	4.5" Stainless Steel Actuator
PAH10007	Actuator Mounting Box (Surface)
PAH433	Receiver for Actuators
PAH433PB9V	Transmitter for Actuators



*Package include all items shown above.

Low Energy Operator







10PBJ1

1.5 in x 4.75 in Jamb Plate
Blue handicap logo and "Push to Open" text

10BOXJAMBSM

1.5 in x 4.75 in Jamb Surface mount box For use with 10TD433PB3V transmitter

10BOXJAMBFM

1.5 in x 4.75 in Jamb Flush mount box For use with 10TD433PB3V transmitter



10PBS1

4.75 inch square stainless steel plate Blue handicap logo and "Push to Open" text

10PBS

4.75 inch square stainless steel plate Blue logo and "Push to Open" text

10PBSE

4.75 inch square stainless steel plate Blue "Push to Exit" text

10PBSLL

4.75 inch square stainless steel plate Blue handicap logo only

10BOX475SQSM ACCESSORY

4.75 inch square surface mount box

10BOX475SQFM ACCESSORY

4.75 inch square flush mount box

10WRSQ475 ACCESSORY

Weather Ring for 4.75 inch square box



900 MHz Wireless

- Performs up to 500 feet line of sight
- · Works through Low-E glass
- Up to four separate wireless receivers can be activated by a single transmitter
- Built-in signal strength on receiver
- · Built-in low battery transmitter indicator
- A maximum of 75 transmitters can be programmed to one receiver
- Transmits a unique rolling code each time the switch is closed
- NEMA 4 rated handheld transmitters available
- Receiver Power: 12 to 24 V AC/DC
- Transmitter Power: Flag Connector: 2 AAA Batteries, Handhelds: One 3V Battery





900 MHz digital receiver

10TD900HH1

900 MHz digital handheld transmitter 1 Button Control (1) 10RD900 receiver



10BOLLARDBLK

Black Bollard 42 in (H) X 6 in (W) X 4 in (D)

10BOLLARDBRZ Bronze Bollard

10BOLLARDSLV Silver Bollard

- · Available in Silver, Bronze and Black
- Powder coated carbon steel post construction
- ABS high impact polymer cap provides a path for wireless transmission
- Can accommodate 4.5 inch and 4.75 inch square, 4.5 inch round and Vestibule Plate



Push Plate Package*

PAH10006

4.5" Stainless Steel Actuator

PAH10007

Actuator Mounting Box (Surface)

PAH433

Receiver for Actuators

PAH433PB9V

Transmitter for Actuators

^{*}Package include all items shown above.

Concealed Closers



5000 SERIES DOOR CLOSER

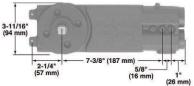
Phoenix Door Closers 5000 series overhead concealed closers are adjustable 2-4. This cast iron, fully adjustable closer is our most popular for high traffic applications and comes with a life time warranty.



Features

- Single or Double acting
- · Cast iron housing
- · Adjustable Closing and latch speeds
- Positive centering for alignment
- · Center Hung for Standard or Offset arms
- · Lifetime warranty

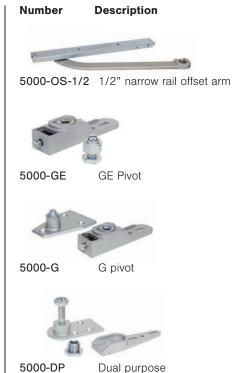
Door Size	Door Weight	Spring Tension	Description/Type	Model Number
30"+	55 - 250 lbs.	LIGHT - HEAVY	105° Back Stop with Hold-Open	5010
			105° Back Stop no Hold-Open	5011
			90° Back Stop with Hold-Open	5012
			90° Back Stop no Hold Open	5013





5000 Series Parts And Accessories





Dual purpose

Concealed Closers





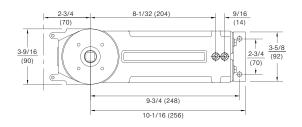
RTS88

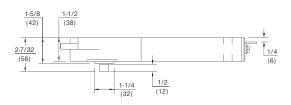
The RTS88 is designed to give lasting, dependable service where surface applied units and other types of closers are not suitable, or would interfere with the architectural design. The RTS88 may be easily installed in wood, aluminum, or hollow metal doors and frames, for single and double-acting doors.

Size Selector Chart RTS88 Series

Interior	Exterior	Closer Size
to 3'0"	to 2'6"	2*
over 3'0" to 3"6"	over 2'6" to 3'0"	3
over 3'6" to 4"0"	over 3'0" to 3'6"	4

*Size (2) is available for 90° cushion or cushion/hold open only. For 105° applications, substitute the RTS88 BFE for the door ranges shown.







BTS80

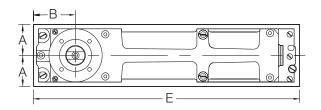
The BTS80 Series of floor concealed door closers offers adaptability to almost any installation. The closer's compact body permits its use where a larger closer would be prohibitive. Versatility allows installation in thin slab concrete subfloor construction.

Size Selection Chart BTS80 / BTS80 F

BTS80	BTS80 F	Exterior	Interior
ANSI 3		2'6" - 3'0"	2'6" - 3'6"
ANSI 4	ANSI 5	2'6" - 3'6"	2'6" - 4'0"
ANSI 3		3'6" - 4'0"	4'0" - 4'6"

Size Selection Chart BTS80 / BTS80 F

BTS80	BTS80 F	Exterior	Interior
ANSI 3		2'6" - 3'0"	2'6" - 3'6"
ANSI 4	ANSI 5	2'6" - 3'6"	2'6" - 4'0"
ANSI 3		3'6" - 4'0"	4'0" - 4'6"







	Α	В	С	D	E
INCHES	1 13/32" - 1 21/32"	2 - 2 1/4"	2 3/8"	3 1/8"	13 7/16"
MM	36-42mm	51-57mm	60mm	78mm	341mm



TITAN 44 SERIES

The Titan 44 Series exit device is designed for medium stile doors. The universal non-handed design makes this unit available for most medium stile applications. Comes in rim and surface vertical rods. A 4 1/2" minimum stile is needed for rim installation, 3 1/2" minimum stile for surface vertical rod.

Features

- Allen key dogging
- UL Listed
- Security guarded bolt
- ANSI 156.3 Grade 1
- · Non-handed, field reversible
- · Lifetime warranty



44EO

Standard Finishes: Aluminum (AL) and Duranodic (DU) Stainless Steel (US32D)

SURFACE VERTICAL ROD

Features

- Allen key dogging
- UL Listed
- Security guarded bolt
- ANSI 156.3 Grade 1

Number

44L-PASS

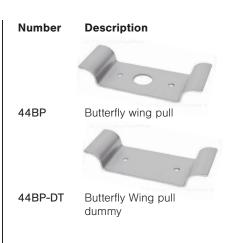
- · Non-handed, field reversible
- · Lifetime warranty

4427EO

44 Series Trim Selections

Description

44KIL Lever trim entry function 44KIL-SFIC Lever trim SFIC entry function 44KIL-STR Lever trim storeroom function 44KIL-P Lever trim passage function 44L Escutcheon lever trim entry 44L-STR Escutcheon lever storeroom



Escutcheon lever passage



TITAN 66 SERIES

The Titan 66 Series exit device is manufactured out of the highest quality of material to be one of the most reliable and affordable exit devices in you inventory. These all metal exit devices, allow you the flexibility to be able to install these exits on Narrow Stile,



66L

66L-WS

66P-WS

66TP

66TP-WS

66-LR100

PS220 (2AMP) 24V regulated PS

w/boost circuitry





Exit devices for all types of wide stile single and double doors with mullion, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. The 98 device has a smooth mechanism case and the 99 device has a grooved case.

98/99EO Exit Only 98/99NL-OP Night Latch Minus Pull 98/99L-DT Lever Dummy Trim 98/99DT Dummy Trim 98/99L Lever 98/99L-NL Lever Night Latch 98/99NL Night Latch 98/99L-BE Lever Blank Escutcheon

9847/9947 Concealed Vertical Rod Exit Device

Concealed vertical rod exit device for use on wide stile single or double metal doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. The 9847 device has a smooth mechanism case and the 9947 device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch).

98/9947EO Exit Only 98/9947NL-OP Night Latch Minus Pull 98/9947L-DT Lever Dummy Trim 98/9947NL Night Latch 98/9947L Lever 98/9947L-NL Lever Night Latch 98/9947L-BE Lever Blank Escutcheon

9827/9927 Surface Vertical Rod Exit Device

Surface mounted vertical rod device for all types of wide stile single or double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. The 9827 device has a smooth mechanism case and the 9927 device has a grooved case. The surface vertical rod device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch).

 98/9927EO
 Exit Only
 98/9927NL-OP
 Night Latch Minus Pull
 98/9927L-DT
 Lever Dummy Trim

 98/9927DT
 Dummy Trim
 98/9927L
 Lever
 98/9927L-NL
 Lever Night Latch

 98/9927L-BE
 Lever Blank Escutcheon

Electrical options

RX Request to exit ALK Alarm kit
LX Latchbolt monitoring QEL Quiet electric latch

SS Signal switch retraction
CX ChexitR CON Allegion Connect

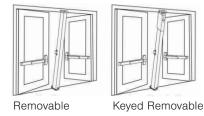
Power Transfers

Housing 9" x 1.25" x 1.625" (229mm x 32mm x 38mm)

EPT-2 Two 18 gauge wires, Up to 2 AMPS 24VDC, with a 16 AMPS Maximum Surge

EPT-10 Ten 24 gauge wires, Up to 1 AMPS@ 24VDC, with a 16 AMPS Maximum Surge

Mullions



Power Supply PS902/914

	PS902	PS904	PS906	PS914
Number of connectors on power supply or the following:	2 amps	4 amps	6 amps	14 amps
Distribution boards	1	2	3	2
Battery back-up board	1	1	1	1



HE USA

KR4954 Prepared for 264 or 299 strikes. For use with all Von Duprin rim devices

Finishes US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.







33A/35A Rim Exit Device

Exit devices for all types of narrow stile single and double doors with mullion, UL listed for panic exit hardware. Devices are ANSI A156.3 - 2001 Grade 1. The 35A has a smooth mechanism case and the 33A has grooved case. The rim device is non-handed except when the SS (signal switch) option is used. 33A/35A fits door stiles as narrow as 1 3/4".

33/35EO Exit Only 33/35NL-OP Night Latch Minus Pull 33/35L-DT Lever Dummy Trim 33/35DT **Dummy Trim** 33/35L 33/35L-NL Lever Night Latch Lever 33/35NL 33/35L-BE Night Latch Lever Blank Escutcheon

3347A/3547A Concealed Vertical Rod Exit Device

Concealed vertical rod exit device for use on single and double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 - 2001 Grade 1. The 3547A has a smooth mechanism case and the 3347A has grooved case. The concealed vertical rod device is non-handed except when the SS (signal switch) option is used. 3347A/3547A fits door stiles as narrow as 2-1/8".

3347A/3547AEO Exit Only 3347A/3547ADT Dummy Trim 3347A/3547ANL Night Latch

3347A/3547ANL-OP Night Latch Minus Pull 3347A/3547AL Lever

3347A/3547AL-BE Lever Blank Escutcheon 3347A/3547AL-DT Lever Dummy Trim 3347A/3547AL-NL Lever Night Latch

3327A/3527A Surface Vertical Rod Exit Device

Surface mounted vertical rod device for all types of narrow stile single and double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 - 2001 Grade 1. The 3527A has a smooth mechanism case and the 3327A has grooved case. The surface vertical rod device is non-handed except when the SS (signal switch) option is used. 3327A/3527A fits door stiles as narrow as 1 3/4".

3327A/3527AEO Exit Only 3327A/3527ADT Dummy Trim 3327A/3527ANL Night Latch

3327A/3527ANL-OP Night Latch Minus Pull 3327A/3527AL Lever 3327A/3527AL-BE Lever Blank Escutcheon 3327A/3527AL-DT Lever Dummy Trim 3327A/3527AL-NL Lever Night Latch

Electrical options

RX Request to exit ALK Alarm kit

LX Latchbolt monitoring **QEL** Quiet electric latch SS Signal switch retraction

CX ChexitR **CON** Allegion Connect

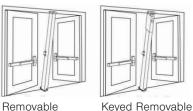
Power Transfers

9" x 1.25" x 1.625" (229mm x 32mm x 38mm) EPT-2 Two 18 gauge wires, Up to 2 AMPS 24VDC, with a 16 AMPS Maximum Surge FPT-10

Ten 24 gauge wires, Up to 1 AMPS@ 24VDC, with a 16 AMPS Maximum Surge

Power Supply PS902/914

Mullions



	PS902	PS904	PS906	PS914
Number of connectors on power supply or the following:	2 amps	4 amps	6 amps	14 amp
Distribution boards	1	2	3	2
Battery back-up board	1	1	1	1



KR4954 Prepared for 264 or 299 strikes. For use with all Von Duprin rim devices

Finishes US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

FALCON

ARCHITECTURAL PUSHPADS

COMMERCIAL **PUSHPADS**





24/25 Series

- · Maximum flexibility in a variety of applications
- · Wide range of features and options
- · Patent pending deadlocking technology

Selling features

Applications

options

Devise

- · Frequent traffic
- · Offices, churches, hospitality, retail, education, healthcare
- · Interior, exterior, new construction, retro-fit
- Rim, SV, CV, M
- 6 functions /9 finishes
- 4 lever designs
- 10-year warranty



19 Series

- · Lowest cost most dependable light-duty exit
- Large trim selection
- · Full compliment of electrical options
- · Standard deadlocking
- Moderate traffic

· Rim, SV

· 3 finishes

10-year warranty

- · Commercial, multi-family, office, retail
- Interior, exterior, retro-fit

• 7 functions /4 lever designs



1490/1590

- Steel operating mechanisms
- · Aluminum push bar and end caps
- Durable design
- Surface vertical and rim options available
- · Moderate traffic
- · Commercial, multi-family, office, retail
- Interior, exterior, retro-fit



1690/1790

- · Patented pending latchbolt for hurricane ratings
- #1 selling exit device for aluminum doors
- · Full compliment of electrical options
- Durable design
- Moderate traffic
- · Commercial, multi-family, office, retail
- · Interior, exterior, retro-fit
- CV=1490/Rim=1590
- 4 functions/10 finishes
- 3 length options
- 10-year warranty
- CV = 1690/Rim = 1790

CONCEALED DEVICES

- · 4 functions/ 7 finishes
- 4 length options
- 10-year warranty

RECESSED/

CROSSBARS





features

Selling

- Classic traditional design
- Dependable and attractive
- Economic crossbar option
- · Panic and fire rated options

· Light/moderate traffic

office, retail

• Rim, SV, CV, M

• 5 lever options

• 10-year warranty

· Commercial, multi-family,

• Interior, exterior, retro-fit

• 13 functions/8 finishes



1990

- · Classic industry look
- Balanced appearance, dependable performance and economical pricing
- · Hardened steel latches
- · Adjustable strike to ensure safety, security and smooth operation
- Light/moderate traffic
- office, retail
- · Interior, exterior, retro-fit



2090

- · Classic looks in a rim device
- · Designed for high use and abuse
- 1/2" inch steel latchbolt
- · Surface mounted strikes for full frame or blade type stops
- · Light traffic
- · Commercial, multi-family, office, retail
- Interior, exterior, retro-fit



2390

- · Classic looks in a rim device
- · Designed for high use and abuse
- 1/2" inch steel latchbolt
- · Surface mounted strikes for full frame or blade type stops
- Moderate/ frequent traffic
- · Healthcare, assisted living, education
- Interior, new construction
- CV
- 3 functions/4 finishes
- 2 length options
- 10-year warranty

- · Commercial, multi-family,
- CV
- 4 functions/10 finishes
- 2 length options
- 10-year warranty
- Rim
- 4 functions/ 10 finishes
- 2 length options
- 10-year warranty

Applications Devise options



BUTT HINGES

Features

- · Commercial grade steel
- Meets ANSI A156.1 standards
- Equipped with non-rising pin
- Full set of machine and wood screws
- Full mortise only
- For medium to heavy weight doors
- 5 knuckles
- Ball bearing
- 1 year warranty









BH4545BBN-US26D*

BH4545N-USP

BH4545BBN-US10B*

BH4545BBN-US32D*

Finishes: USP (US Primed), US26D (Brushed Chrome), US10B (Oil Rubbed Bronze), US32D (Brushed Stainless Steel)

RADIUS BUTT HINGES







BH4540BBNR-US32D

Finishes: US26D (Brushed Chrome), US10B (Oil Rubbed Bronze), US32D (Brushed Stainless Steel)

BH4540BBNR-US32D

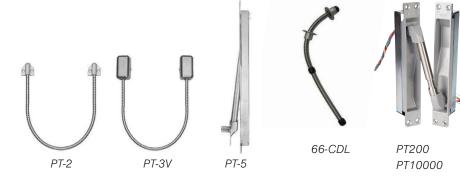
SPRING HINGE



BH4545SH-US26D

Finishes: US26D (Brushed Chrome)

POWER TRANSFERS



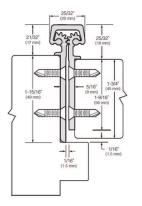


BH4540BB-N-US10B-ETW4 BH4540BB-N-US32D-ETW4 BH4540BB-N-US32D-ETW4 BH4545BB-N-US10B-ETW4 BH4545BB-N-US26D-ETW4 BH4545BB-N-US32D-ETW4



PRECISION GEARED HINGES

Precision Hinges meet or exceed ANSI Standard for Hinges. All of our manufactured hinges comes with an industry best warranty. Whether you are a door manufacturer or a door repair company, we have a hinge solution for all of your needs.





FULL MORTISE

GHHD111

- Full mortise concealed leaf application
- · High frequency to heavy medium frequency doors
- Maximum door weight 450 lbs
- 1/8" inset

Number	Length
GHHD11183AL	83"
GHHD11183DU	83"
GHHD11195AL	95"
GHHD11195DU	95"

Length

83"

83"

95"

95"

Number

AGHHD11183AL

AGHHD11183DU

AGHHD11195AL

AGHHD11195DU

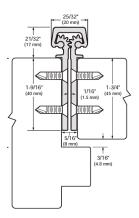
MADE IN



AGHHD111

- Full mortise concealed leaf application
- · High frequency to heavy medium frequency doors
- Maximum door weight 450 lbs
- 1/8" inset

Power Transfer (PT) Cutout or Electric Thru Wire (ETW) Available*





GHHD112

- Full mortise concealed leaf application
- High frequency to heavy medium frequency doors
- Maximum door weight 450 lbs
- · Flush mount with no inset

Number	Length
GHHD11283AL	83"
GHHD11283DU	83"
GHHD11295AL	95"
GHHD11295DU	95"

MADE IN

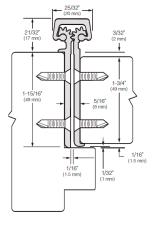


AGHHD112

- Full mortise concealed leaf application · High frequency to heavy medium
- frequency doors
- Maximum door weight 450 lbs
- Flush mount with no inset

Power Transfer (PT) Cutout or Electric Thru Wire (ETW) Available*

Number	Length
AGHHD11283AL	83"
AGHHD11283DU	83"
AGHHD11295AL	95"
AGHHD11295DU	95"
AGHHD112120AL	120"
AGHHD112120DU	120"





GHHD224

- · Full mortise concealed leaf application
- · High frequency to heavy medium frequency doors
- · Maximum door weight 450 lbs
- 3/32" inset
- Door edge w/ protection lip

Number GHHD22483AL	Length 83"
GHHD22483DU	83"
GHHD22495AL	95"
GHHD22495DU	95"



AGHHD224

- Full mortise concealed leaf application
- High frequency to heavy medium frequency doors
- · Maximum door weight 450 lbs
- 3/32" inset
- Door edge w/ protection lip

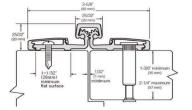
Power Transfer (PT) Cutout or Electric Thru Wire (ETW) Available*

Number	Length
AGHHD22483AL	83"
AGHHD22483DU	83"
AGHHD22495AL	95"
AGHHD22495DU	95"
AGHHD224120AL	120"
AGHHD224120DU	120"



PRECISION GEARED HINGES

Precision Hinges meet or exceed ANSI Standard for Hinges. All of our manufactured hinges comes with an industry best warranty. Whether you are a door manufacturer or a door repair company, we have a hinge solution for all of your needs.



FULL SURFACE

GHHD057

- Bi-fold **full surface** application
- · High frequency to heavy medium frequency doors
- Maximum door weight 450 lbs
- Security molding

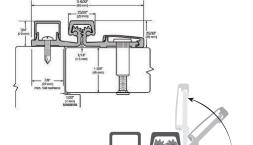
Number GHHD05783AL	Length 83"
GHHD05783DU	ია 83"
GHHD05795AL	95"
GHHD05795DU	95"





AGHHD057

- Bi-fold **full surface** application
- High frequency to heavy medium frequency doors
- Maximum door weight 450 lbs
- · Security molding



GHHD157

- Limited frame full surface application
- · High frequency to heavy medium frequency doors
- Maximum door weight 450 lbs
- Minimum 7/8" frame face needed
- · Security molding

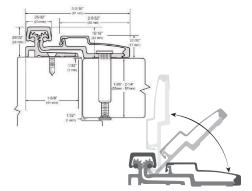
Number	Length
GHHD15783AL	83"
GHHD15783DU	83"
GHHD15795AL	95"
GHHD15795DU	95"



AGHHD157

- Limited frame full surface application
- High frequency to heavy medium frequency doors
- Maximum door weight 450 lbsMinimum 7/8" frame face needed
- · Security molding

Number	Length
AGHHD15783AL	83"
AGHHD15783DU	83"
AGHHD15795AL	95"
AGHHD15795DU	95"
AGHHD157120AL	120"
AGHHD157120DU	120"



GHHD210

- Full surface application
- · High frequency to heavy medium frequency doors
- Maximum weight 450 lbs
- Minimum 1 5/8" frame face needed
- · Security molding

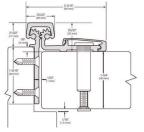
Number GHHD21083AL	Length 83"
GHHD21083DU	83"
GHHD21095AL	95"
GHHD21095DU	95"



AGHHD210

- Full surface application
- · High frequency to heavy medium frequency doors
- Maximum weight 450 lbs
- Minimum 1 5/8" frame face needed
- · Security molding

Number	Length
AGHHD21083AL	83"
AGHHD21083DU	83"
AGHHD21095AL	95"
AGHHD21095DU	95"
AGHHD210120AL	120"
AGHHD210120DU	120"





HALF SURFACE

GHHD053

- Half surface application
- High frequency to heavy medium frequency doors
- · Maximum door weight 450 lbs
- 1/8" inset
- · Security molding

Number	Length
GHHD05383AL	83"
GHHD05383DU	83"
GHHD05395AL	95"
GHHD05395DU	95"



THE USA

AGHHD053

- Half surface application
- · High frequency to heavy medium frequency doors
- Maximum door weight 450 lbs
- 1/8" inset
- · Security molding

Number	Length
AGHHD05383AL	83"
AGHHD05383DU	83"
AGHHD05395AL	95"
AGHHD05395DU	95"
AGHHD05395AL	95"



OFFSET PIVOTS

Features

- Aluminum frames and doors weighing up to 125 lbs.
- Full race ball-bearing and oilite bronze bushing
- Retractable, spring loaded top pin for easy installations and adjustments
- 1/8 " vertical adjustment

- Case hardened stud-in-floor portion
- Die-cast aluminum
- All weather conditions
- 1 year warranty



OP09 Vistawall NH



OP10 Vistawall (Arch)



OP12 Amarlite



OP14 Pittco (PPG)



OP15 US Aluminum



OP16 Aldora



OPKP Kawneer



OPYKK YKK

INTERMEDIATE PIVOTS

Features

- 3/4" offset intermediate pivot
- 1 3/4" storefront aluminum doors
- Not intended for load bearing
- · Fully mortised
- Handed



OP-M19



OPKP - INT

Finishes: Aluminum (AL) and Duranodic (DU)

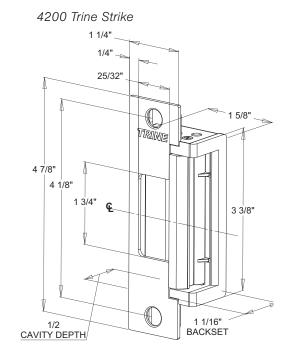




4200 Trine Strike

Use with cylindrical locksets & dead latches in aluminum, metal, and wood frames. The 4200 solves problems auxiliary latch "pins" found on Adams Rite® locks.

- Tall Cavity solves door sag problems. Tallest latch in its class.
- 1 1/16" shallow backset solves frame depth Problems
- 4 faceplates included
- 12 & 24DC, 12-24 AC
- 1 Trim Skirt Included
- Removable Fascia: Change colors in the field to match your frame.
- Grade 1 Strike: 1,500+ lbs. of Holding Force



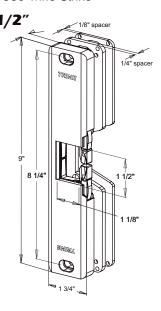


4850 Trine Strike

For use with surface mounted rim exit devices with up to a 1" throw.

- · No cutting of the frame
- Cavity is completely open which means the 4850 allows for an incremental depth up to a 1" throw
- Built-in electronics automatically allow 11 through 28 DC Voltage input – with surge and kickback protection
- Comes with Trines Patented 6-Pin Anchoring System for strength and stability.
- Contains a one piece locking mechanism with one Solenoid – less parts mean less problems.
- Fail-safe/Fail-secure field selectable.
- BHMA Grade 1 Electric Strike:
 1,000,000+ Life cycles 1,500+ lbs. Holding Force

4850 Trine Strike







8000 Schlage C



8000 SFIC

LEVERSETS 8000 SERIES Grade 1

AccuTurn 8000 series commercial grade leversets are designed to be used for medium to high traffic. This Grade 1 lever comes standard in Schlage C keyway and can easily be keyed alike. When looking for leversets, AccuTurn should be your first choice. Classroom, Entry, Passage, Privacy and Storeroom functions are available.

If a **Small Format Interchangeable Core (SFIC)** is needed, we offer those in Classroom, Entry and Storeroom Functions. All AccuTurn levers come with a life time warranty.

Features

- Steel housing
- Heavy duty spring lever
- Standard 2-3/4" x 1-1/8" latch
- Schlage "C" keyway
- Convertible posts
- Solid brass latchbolt
- ANSI strike
- · Lifetime warranty

Functions

Number	Application	Function	Clutch
	For doors that do not require locking. Lever operates the latchbolt at all times.	Passage	•
	Latchbolt by lever either side. Anti-panic operation. Turning inside lever retracts latchbolt or latchbolt and deadbolt simultaneously.	Privacy	✓
8000-ENT 8000-ENT-SFIC	For entrance of office doors. Deadlocking latchbolt. Either lever operates latchbolt (except when outside lever is locked).	Keyed Entry	✓
8000-STR 8000-STR-SFIC	For use on storeroom, utility, and exit doors. Deadlocking latchbolt. Outside lever rigid. Latchbolt by key outside, lever inside.	Storeroom	~
8000-CLR 8000-CLR-SFIC	For classroom/office or utility doors. Deadlocking latchbolt. Latchbolt by lever either side (except when outside lever is set by key). Inside lever always active.	Classroom	V

Finishes: Dull Chrome US26D







LEVERSETS 6000 SERIES Grade 2

AccuTurn 6000 series commercial grade leversets are designed to be used for medium to high traffic. This Grade 2 lever comes standard in Schlage C keyway and can easily be keyed alike. When looking for leversets, AccuTurn should be your first choice. Classroom, Entry, Passage, Privacy and Storeroom functions are available.

If a **Small Format Interchangeable Core (SFIC)** is needed, we offer those in Classroom, Entry and Storeroom Functions. All AccuTurn levers come with a life time warranty.

Features

- Steel housing
- Heavy duty spring lever
- Standard 2-3/4" x 1-1/8" latch
- Schlage "C" keyway
- Convertible posts
- · Solid brass latchbolt
- ANSI strike
- · Lifetime warranty

Functions

Number	Application	Function	Clutch
6000-PASS	For doors that do not require locking. Lever operates the latchbolt at all times.	Passage	•
6000-PRI	Latchbolt by lever either side. Anti-panic operation. Turning inside lever retracts latchbolt or latchbolt and deadbolt simultaneously.	Privacy	~
6000-ENT 6000-ENT-SFIC	For entrance of office doors. Deadlocking latchbolt. Either lever operates latchbolt (except when outside lever is locked).	Keyed Entry	~
6000-STR 6000-STR-SFIC	For use on storeroom, utility, and exit doors. Deadlocking latchbolt. Outside lever rigid. Latchbolt by key outside, lever inside.	Storeroom	•
6000-CLR 6000-CLR-SFIC	For classroom/office or utility doors. Deadlocking latchbolt. Latchbolt by lever either side (except when outside lever is set by key). Inside lever always active.	Classroom	~





6000-DBL Single Cylinder Deadbolt with thumbturn

6000-DBL-DC Double Cylinder Deadbolt



MORTISE LOCKS

Features

- For aluminum or steel entrance doors
- 1" x 6" steel case mechanism
- Accept standard 1 5/32" mortise cylinder or thumbturn
- Available backsets (31/32", 1 1/8" or 1 1/2")
- Huge five-ply laminated steel bolt with concealed hardened steel pin provides maximum security for any single leaf door, or where gap between door and jamb is greater than it should be



DEADBOLT LOCK

DBL



HOOK BOLT LOCK HBL



DEADLATCH LOCK

Description	31/32" Backset	1-1/8" Backset	1-1/2" Backset
Deadbolt Lock	DBL-3132	DBL-118	DBL-112
Hookbolt Lock	HBL-3132	HBL-118	HBL-112
Deadlatch Lock	DLL-3132	DLL-118	DLL-112

FACEPLATES

FP1 For Deadbolt	FP2 For Deadbolt	FP3 For Deadbolt	FP4 For Deadbolt	FP5 For Deadbolt
FP6 For Hookbolt	FP7 For Hookbolt	FP8 For Hookbolt	FP9 For Hookbolt	FP10 For Hookbolt
FP11 For Deadlatch	FP12 For Deadlatch	FP13 For Deadlatch	FP14 For Deadlatch	FP15 For Deadlatch
Flat	LH Beveled	RH Beveled	Radius	Radius w/WS



STORE FRONT ACCESSORIES









MORTISE THUMBTURN CYLINDERS

ICM-SFIC



ICM-LFIC





RIM CYLINDERS





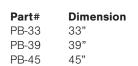
STORE FRONT ACCESSORIES

DOOR PULL

Part# **Dimension** PH-9 9 PH-10 10 PH-12 12

- 1" Diameter Solid Aluminum Round
- 3-1/4" Offset
- Projection 3-1/4"
- Door Clearance 2-1/4"
- Anodized Finishes Aluminum, Dark Bronze, Brushed Stainless Steel
 - *Concealed Mount or Thru bolt Mount

PUSH BAR



- 1" Diameter Solid Aluminum Round
- 3-1/4" Offset
- Projection 2-1/4" with 1-1/4" Door Clearance
- Anodized Finishes Aluminum, Dark Bronze, Brushed Stainless Steel

PUSH PULL BAR



Part#	Dimension
PP-9x	9" x 33" , 9"x39", 9"x45"
PP-10x	10" x 33", 10"x39", 10"x45"
PP-12x	12" x 33" , 12"x39", 12"x45"

- 1" Diameter Solid Aluminum Round
- 3-1/4" Offset
- Projection 2-1/4" with 1-1/4" Door Clearance
- · Anodized Finishes Aluminum, Dark Bronze, Brushed Stainless Steel

WALL BUMPER

Wrought 2-1/2" diameter and US32D or US10B



WS01-CCV (Concave)



WS01-CCX (Convex)

DOOR STOP US26D or US10B



FS01 cast low style 1-3/4" diameter with 1/8" thick base



FS02 cast high style 1-3/4" diameter, 1-3/8" height, with 3/8" thick base

LATCH **PROTECTOR**



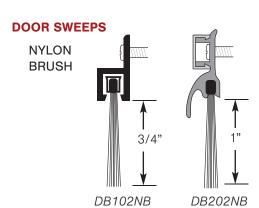
LP-207 LP-211

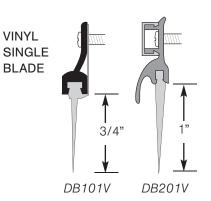
Part#	Dimension
LP-107 LP-207	2 3/4" x 7" Stainless Steel 2 3/4" x 7" Steel
LP-111	3" x 11" Stainless Steel

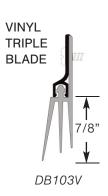
LP-211 3" x 11" Steel



FLAT GOODS







KICKPLATE KP10x34 US32D KP10x46 US32D



THRESHOLD DT100 DT101

PULL PLATE PULL3.5x15 US32D

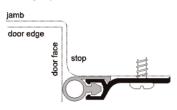


PUSH PLATE PUSH3.5x15 US32D

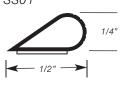




PERIMETER GASKETING PG101V



SMOKE SEAL SS01

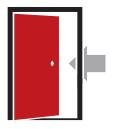


Charcoal color 3M Adhesive 17', 20', or 25' Lengths



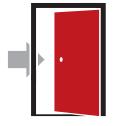
Door Handing

Single Door Installation Guide



Left Hand

Hinges on the left, and door opens inward.
Secure side is the "push" side of door.



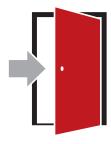
Right Hand

Hinges on the right, and door opens inward.
Secure side is the "push" side of door.



Left Hand Reverse

Hinges on the left, and door opens outward.
Secure side is the "pull" side of door.



Right Hand Reverse

Hinges on the right, and door opens outward.
Secure side is the "pull" side of door.

NOTES			

Lifetime Warranty

Lifetime Warranty

Phoenix Architectural Hardware Group warrants its products to be free from defects in material and workmanship for the life of the door opening. This warranty will be accepted through proper documentation of purchase and will only be available for replacement from the original purchaser. This warranty will not apply to products that:

- a. Are being used in situations not designed or intended
- b. Have been altered or repaired without PAH's written consent
- c. Have been subjects to abuse, negligence, misuse and or accidental damage
- d. Have been improperly installed, or improperly maintained

Phoenix Architectural Hardware Group will warrant the products deemed defective but will not be responsible for the following costs:

- a. Labor costs associated with removal and replacement
- b. Freight costs associated with the warranty
- c. Normal and recommended maintenance
- d. Economic losses associated with the replacement

No other warranty's, expressed or implied, will supersede this warranty.



Cross References

Surface Door Closers Cross Reference

PHOENIX	Cal Royal	CRL	Design HW	Hager	Imperial (Global)	INTL	LSDA	Norton	S. Parker	Tell
416-RWPA	CR441	PR90	416	5100	TC4300	44C1	6816	7570	441BC	900
615-RWPA	300	PR80	116	5300	TC201	8000	925	1601	815	600
816-RWPA	CR801	PR50	816	5200	900	5000	6716	8301/8501	900	800

Geared Hinges Cross Reference

acarca iiii	deared finiges stoss ficiencine									
PRECISION	Hager	Select	Pemko	ABH	McKinney					
GHHD05383AL	780-053HD-83AL	SL53-83-CL-HD	CHS83HD	A530HD-83AL	MCK-54HD83AL					
GHHD05383DU	780-053HD-83DU	SL53-83-DU-HD	DHS83HD	A530HD-83DU	MCK-54HD83DU					
GHHD05395AL	780-053HD-95AL	SL53-95-CL-HD	CHS95HD	A530HD-95AL	MCK-54HD95AL					
GHHD05395DU	780-053HD-95DU	SL53-95-DU-HD	DHS95HD	A530HD-95DU	MCK-54HD95DU					
ar ii iboooobo	700 000115 0050	0200 00 00 110	Bridderib	7.000112 0020	WOR O ITIEOODO					
GHHD05783AL	780-057HD-83AL	N/A	N/A	A571HD-83AL	N/A					
GHHD05783DU	780-057HD-83DU	N/A	N/A	A571HD83DU	N/A					
GHHD05795AL	780-057HD-95AL	N/A	N/A	A571HD95AL	N/A					
GHHD05795DU	780-057HD-95DU	N/A	N/A	A571HD95DU	N/A					
GHHD15783AL	780-157HD-83AL	SL57-83-CL-HD	CFS83HD	A570HD-83AL	MCK-58HD83AL					
GHHD15783DU	780-157HD-83DU	SL57-83-DU-HD	DFS83HD	A570HD-83DU	MCK-58HD83DU					
GHHD15795AL	780-157HD-95AL	SL57-95-CL-HD	CFS95HD	A570HD-95AL	MCK-58HD95AL					
GHHD15795DU	780-157HD-95DU	SL57-95-DU-HD	DFS95HD	A570HD-95DU	MCK-58HD95DU					
GHHD21083AL	780-210HD-83AL	SL21-83-CL-HD	CFS83HD	A210HD-83AL	MCK-22HD83AL					
GHHD21083DU	780-210HD-83DU	SL21-83-DU-HD	DFS83HD	A210HD-83DU	MCK-22HD83DU					
GHHD21095AL	780-210HD-95AL	SL21-95-CL-HD	CFS95HD	A210HD-95AL	MCK-22HD95AL					
GHHD21095DU	780-210HD-95DU	SL21-95-DU-HD	DFS95HD	A210HD-95DU	MCK-22HD95DU					
GHHD11183AL	780-111HD-83AL	SL18-83-CL-HD	CFM 83SLIHD	A111HD-83AL	MCK-14HD83AL					
GHHD11183DU	780-111HD-83DU	SL18-83-DU-HD	DFM 83SLIHD	A111HD-83DU	MCK-14HD83DU					
GHHD11195AL	780-111HD-95AL	SL18-95-CL-HD	CFM 95SLIHD	A111HD-95AL	MCK-14HD95AL					
GHHD11195DU	780-111HD-95DU	SL18-95-DU-HD	DFM 95SLIHD	A111HD-95DU	MCK-14HD95DU					
GHHD11283AL	780-112HD-83AL	SL11-83-CL-HD	CFMSLF83HD	A110HD-83AL	MCK-12HD83AL					
GHHD11283DU	780-112HD-83DU	SL11-83-DU-HD	DFMSLF83HD	A110HD-83DU	MCK-12HD83DU					
GHHD11295AL	780-112HD-95AL	SL11-95-CL-HD	CFMSLF95HD	A110HD-95AL	MCK-12HD95AL					
GHHD11295DU	780-112HD-95DU	SL11-95-DU-HD	DFMSLF95HD	A110HD-95DU	MCK-12HD95DU					
GHHD22483AL	780-224HD-83AL	SL24-83-CL-HD	CFM83HD	A240HD-83AL	MCK-25HD83AL					
GHHD22483DU	780-224HD-83DU	SL24-83-DU-HD	DFM83HD	A240HD-83DU	MCK-25HD83DU					
GHHD22495AL	780-224HD-95AL	SL24-95-CL-HD	CFM95HD	A240HD-95AL	MCK-25HD95AL					
GHHD22495DU	780-224HD-95DU	SL24-95-DU-HD	DFM95HD	A240HD-95DU	MCK-25HD95DU					
GHHD11183AL	780-111HD-83AL	SL18-83-CL-HD	CFM 83SLIHD	A111HD-83AL	MCK-14HD83AL					
GHHD11183DU	780-111HD-83DU	SL18-83-DU-HD	DFM 83SLIHD	A111HD-83DU	MCK-14HD83DU					
GHHD11195AL	780-111HD-95AL	SL18-95-CL-HD	CFM 95SLIHD	A111HD-95AL	MCK-14HD95AL					
GHHD11195DU	780-111HD-95DU	SL18-95-DU-HD	DFM 95SLIHD	A111HD-95DU	MCK-14HD95DU					

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