

Roton® Continuous Hinges

Built to Last. Backed for Life.

Hager Roton® Continuous Geared Hinges have delivered reliable performance for more than **35 years**. Engineered with a unique geared profile, high-strength aluminum channel, and precision bearings, Roton® hinges distribute the weight of the door along the **full length of the frame**. This design reduces wear, maintains door alignment, and outperforms traditional entrance components—even in demanding environments.

Roton® hinges are trusted nationwide in **hospitals, schools, hotels, offices, airports, stadiums, storefronts, and commercial and industrial facilities**, in both new construction and retrofit applications.

We stand behind every hinge with a **lifetime warranty**, include **fire-rated bearings at no additional cost**, and deliver **quiet, friction-free operation** right out of the box. Roton® hinges also support **LEED building requirements** and are made using **recycled material** for a greener future.

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Roton Continuous Hinges

PRODUCT INFORMATION

HOW TO ORDER:

Example: 780-112HDFFUL 119" CLR 1 PK

Stock Number: 184038

780

SERIES

112HD

PROFILE

119"

LENGTH

CLR

FINISH

1 PK

STANDARD
SINGLE
PACK

ANSI Standards

- 780 Series Roton® continuous geared hinges are approved per ANSI A156.26 Grade 1 for 150 lb. doors.
- 780 Series Roton® heavy duty hinges are approved per ANSI A156.26 Grade 1 for 300 lb. doors.
- 780-111, 780-112, 780-124HD, 780-224, 780-226 standard duty and heavy duty Roton® continuous geared hinges are Warnock-Hersey certified in accordance with ANSI A250.13 2003 Standard Severe Windstorm Resistant Components.



Cancellation Notification

Orders for non-stock goods, accepted by Hager, are non-cancelable except with prior written consent, and then subject to a service charge based on manufacturing expenses incurred. Under no circumstances will non-stock, make-to-order or discontinued product be accepted for return unless it is due to a Hager error.

Marking

Marking and special packaging for job-site identification.



Roton Continuous Hinges

GENERAL INFORMATION

Door and Frame Preparation

Roton® Continuous Geared Hinges are **surface applied**, eliminating the need for cutouts in most applications and making them ideal for both **new construction and retrofit projects**.

- **No reinforcement plates required** unless the door/frame material is unusually thin or heavy-duty use is expected.
- Frames may be ordered with **strike prep only** or with **strike prep on both sides** to avoid handing when using Roton® models that fully cover the rabbet.
- **Doors should be ordered without hinge cutouts**, except when required by specific fire-rated or labeled door assemblies.

For **masonry walls**, continuous **mortar guards** are recommended to prevent interference with fasteners. A simple option is a **1" × 2" (25 mm × 51 mm) stud** attached to the back of the frame. Consult with the frame manufacturer for the best solution. Roton® hinges strengthen the opening by forming a **single, integrated unit between door and frame**, minimizing the shock and wear commonly seen with butt hinges and pivots.

Door Closers

Roton® hinges are compatible with most **surface or concealed sliding door closers**.

Do not use: Pivot-style floor closers with fixed pivot points.

With Roton® hinging, closers require **less operating force**, deliver **more consistent adjustment**, and typically enjoy **longer life**.

Standard Finishes

Roton® hinges are available in either satin etched, clear anodized aluminum (similar to US28), dark bronze, or black exterior anodized coating.

Standard Lengths

Roton® hinges are manufactured to fit nominal door heights and provide required head and threshold clearances. Hinges are installed **flush with the top of the door**; maintain **1/8" (3 mm)** head clearance.

Nominal Door Height	Standard Length
6'8"	79"
7'0"	83"
7'2"	85"
8'0"	95"
10'0"	119"

Non-Standard Lengths

Non-standard hinges are **trimmed from the bottom only** and follow published templates.

- If trimming **does not remove screw holes**, hinges are manufactured to the requested length.
- If trimming **interferes with screw holes**, Hager will:
 - Recommend the closest acceptable length, **or**
 - Produce the exact length as an **industrial part**, with affected screw holes removed.
- If trimming **cuts through bearing slots**, Hager will cut through the slots; this **does not affect performance**, and the cover channel conceals the cut.

Additional guidelines:

- Hinges **over 119" (3023 mm)** must be ordered as two sections totaling the required length.
- Hinges **shorter than 79"** are priced at **79" minimum**.
- When multiple shorter hinges come from one standard hinge, pricing is based on **standard hinge quantity used plus an assembly charge per hinge**.
- **All non-standard lengths incur an additional fee.**

Field Modifications

Roton® hinges may be trimmed in the field; however, **any field modification may void the warranty**.

- Cut **only from the bottom**.
- **Do not cut through screw holes or bearings**.
- Cutting up to **the first hole of the six-pack** does **not** affect warranty.
- For **electric hinges**, clamp both leaves securely to prevent hinge chatter and protect internal wiring.
Contact Hager Technical Service before cutting electric hinges.

Custom Holes

Any hinge may be ordered with custom hole locations for unusual frame or door conditions.

Please provide specifications for each leaf.



Roton Continuous Hinges

GENERAL INFORMATION

Bearing At Top

This application allows for the bearing to be set at the very top of the cover channel. The cover channel is flush with the top of the geared hinge, preventing any obstructions or debris to be inserted in the top channel.

780 Series Concealed Molded Hospital Tip



780 Series Concealed and several Full Surface models including the 780-057, 780-157 & 780-210 can be prepared with a smooth tapered top bearing. This option is ideal for use in hospitals and correctional facilities to help provide a clean and safe environment. For Roton® Ligature-Resistant Opening Solutions see our TIPIT® section below.

TIPIT®



Designed to work with in new and retrofit applications, the TIPIT® was designed with safety in mind. When openings are fitted with the patented TIPIT® in conjunction with our Roton® Continuous Geared Hinge, this combination provides a safe environment while meeting institutional requirements for preventing objects from being hung from the top of the hinge. Available in two models, Concealed and Full Surfaces and two finishes, Gray and Black. The following profiles are compatible with Hospital Tip and TIPIT®: 780-057, 780-110, 780-111, 780-112, 780-113, 780-124, 780-210, 780-224, 780-226.

Tamper Resistant Hinge

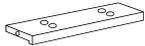
This application is intended for use in hospital psychiatric areas and places of high security. The hinge is prepared with a hospital tip (concealed models only) and every other bearing is supplied with a set screw to lock against the inside of the cover channel for additional security.

Dutch Door Hinges

Hager Companies will prepare any of its hinge models for a dutch door application. The frame leaf is furnished as a continuous extrusion and the door leaf is cut to fit the dutch door heights specified. Handing, overall net door height, amount of clearance between the top and bottom doors, their individual heights and door and frame materials should be clearly specified.

Bearing Replacement Kits

Available in standard or heavy duty and in clear anodized or dark bronze anodized finish for 780 and 1200 Series Roton®.



Marking Jigs

Marking jigs are available to locate the centers of the top end frame screws. These jigs must be ordered at the same time as the hinges to ensure fabrication accuracy.



Center Punches

Self-centering punches are available for #12 countersunk screws that are supplied. To make sure screw heads seat properly, accurate center punching is required.



Shim Stock

For clearance between the door and frame that may be excessive, a continuous shim is helpful (applied behind the frame leaf only). Anodized aluminum extrusions are supplied with no holes.

Replacement Moldings



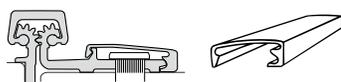
780-210M

Replacement door leaf molding for 780-210, 780-210HD, 780-045HD, and 780-046HD. Furnished with Allen head set screw and wrench. Shipped in standard lengths for trimming in the field.



780-247M

Replacement frame leaf molding for 780-157, and 780-157HD. Shipped in standard lengths for trimming in the field.



780-052M

Replacement door leaf molding for 780-053, 780-053HD, 780-054HD, 780-155HD, 780-057, 780-057HD, 780-157, and 780-157HD. Furnished with Allen head screw and wrench. Shipped in standard lengths for trimming in the field.

Shipping Carton

Extra shipping cartons are available for reshipping hinges in quantities of 2 or less.



Roton Continuous Hinges

GENERAL INFORMATION

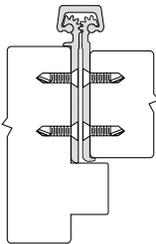
Template Hinges

Hager Companies has developed templated hole patterns for Roton® hinge models in standard lengths. Drawings are available by contacting Hager Companies Customer Service or accessing the Hager website at www.hagerco.com. Due to normal variances inherent in the manufacturing process, Roton® custom length hinges are deemed by Hager to be non-templated.

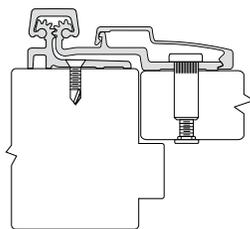
Process for Choosing the Correct Roton® Model

Determine	Select
Door and frame application (flush door and frame, inset door, door thickness, door height, etc.)	Roton® model
Frequency of door cycling and weight of door	Light, standard, heavy or extra heavy duty, lead lined
Door and frame material	Fasteners
Door opening finish	Roton® finish
Fire rating requirements, if needed	With stud or without stud

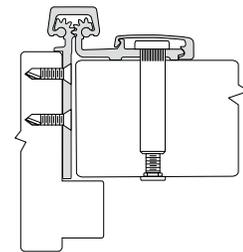
Concealed



Full Surface



Half Surface



Fire Ratings -Underwriters Laboratory Fire Rating File #A14627



780 Series Roton® continuous geared hinges with stainless steel studs are approved for use on 4'x10' metal or wood swing type doors. 780 Series Roton® continuous geared hinges without stainless steel studs are approved for use on 4'x8' single swing metal doors and 4'x10' single swing wood doors used without stainless steel studs limited to 20 minute fire rating without hose stream.

- Hollow metal, tin-clad, sheet-metal and steel covered composite type rated up to and including 3-hours
- Wood composite doors rated up to and including 1-1/2 hours
- Wood core doors rated up to 20 minutes without hose stream, non-studded
- 780 Series Roton® continuous geared hinges meet requirements for positive pressure UL10C, UL10B and UBC7-2 Part 1

BHMA Certified



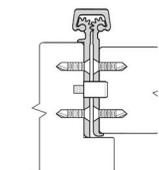
BHMA Certification Program was developed as a means for manufacturers of builders hardware to indicate compliance with American National Standards sponsored by BHMA. Participating manufacturers certify compliance with the standards based on a continuing program of passing the prescribed tests.



Roton Continuous Hinges

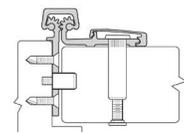
GENERAL INFORMATION

UL10C Fire-Rated Roton®	Fully Concealed	Full Surface	Half Surface	NOTES: 1. All Roton® hinges will be marked with UL stamp if they are fire-rated.  2. Several hinge models cannot be fire-rated. Check each profile.
20 Minute Fire-Rated Wood Core Door x Fire-Rated Hollow Metal Frame	UL — FF STANDARD			
20 Minute Fire-Rated Metal Door x Fire-Rated Hollow Metal Frame	UL — FF STANDARD			
30 Minute Fire-Rated Wood Composite Door x Fire-Rated Hollow Metal Frame	UL — FF STANDARD			
30 Minute Fire-Rated Metal Door x Fire-Rated Hollow Metal Frame	UL — FF STANDARD			
45 Minute Fire-Rated Wood Composite Door x Fire-Rated Hollow Metal Frame	UL — FF STANDARD			
45 Minute Fire-Rated Metal Door x Fire-Rated Hollow Metal Frame	UL — FF STANDARD			
60 Minute Fire-Rated Wood Door x Hollow Metal Frame	UL — FF STANDARD			
60 Minute Fire-Rated Metal Door x Hollow Metal Frame	UL — FF STANDARD			
90 Minute Fire-Rated Metal Door x Fire-Rated Hollow Metal Frame	UL — FF STANDARD			
90 Minute Fire-Rated Wood Composite Door x Fire-Rated Hollow Metal Frame	UL — STUD REQUIRED * Must Specify			
3-hour Fire-Rated Metal Door x Fire-Rated Hollow Metal Frame	UL — STUD REQUIRED * Must Specify			



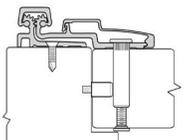
Fully Concealed with Stud

These models are concealed between the frame and the hinge edge of the door. Models available include: 780-041HD, 780-111, 780-111HD, 780-111LL, 780-112, 780-112HD, 780-112LL, 780--124HD, 780-124LL, 780-22– 780-224HD, 780-224LL, 780-226, 780-226HD, and 780-226LL.



Half Surface with Stud

These models have the frame leaf concealed between the frame and the edge of the door. The door leaf is mounted to the door with thru-bolts or screws. Models available include: 780-045HD, 780-046HD, 780-053, 780-053HD, and 780-054HD.



Full Surface with Stud

These models have the frame leaf mounted to the face of the frame and the face of the door. The door leaf is mounted to the face of the door with thru-bolts. Models available include: 780-057HD, 780-157, 780-157HD, 780-210, and 780-210HD.

Checking the Load

To assist in the selection of an appropriate Roton® hinge series, divide the door weight including the weight of the hardware by the number of bearings in the Roton® hinge under consideration, then use the following guideline, with a maximum 4'0" wide door:

780 Series: 5-1/8" Centers (Typical 7' door: 16 bearings)
 780 HD & LL: 2-9/16" Centers (Typical 7' door: 32 bearings)

Frequency	Load
Low frequency interior doors	20 lbs. per bearing
Low frequency, very heavy doors (lead lined x-ray doors, ballistics doors, high security doors) with double rows of fasteners	30 lbs. per bearing
Medium frequency interior doors	15 lbs. per bearing
Medium frequency exterior doors	10 lbs. per bearing
High frequency exterior doors	7.5 lbs. per bearing
Very high frequency doors	5 lbs. per bearing



Roton Continuous Hinges

DOOR AND FRAME DIMENSIONING

Fasteners

Hager Companies uses custom made, carefully engineered, and thoroughly tested fasteners exclusively. Each fastener is designed for ease of use as well as durability. Appropriate fasteners are furnished with each hinge, together with installation instructions for typical metal or wood doors and frames. The standard screw pack includes self-drilling screws. If additional screw packs are needed for your installation, they must be purchased separately.

Fasteners for Use with Hinges in the 500 Series

8 - 18 X 3/4" Truss Phillips Head Screw

Fasteners for Use with Hinges in the 780 Series Metal Doors or Frames (Undercut Head Phillips Countersunk Screws):

Two types of screws are available for metal doors and frames: the Dril Quick screw (with drill point tip) and the thread forming screw (no tapping necessary). The #12-24 x 11/16" self-drilling screw has a machine thread in the screw shank. The #12-24 x 13/32" thread-forming screw has a machine thread in the screw shank.

The standard screw pack contains #12-24 Dril Quick self-drilling machine thread. This screw has a hardened steel drill point built into the end of the screw, allowing it to be installed without a pre-drilled hole if the metal thickness is no more than 1/8" (3.2 mm). It forms its own threads as the screw is drilled into the door or frame. It is longer than most screws of the type because of the built-in drill point.

When installing the self-drilling screw, make certain that the installer is familiar with the proper use and torque settings of a screw gun. Proper center-punching is extremely important with self-drilling screws. If center-punching is omitted or incorrectly done, the screw will walk" in the same way as a drill bit, resulting in cocked screw heads and improperly closing hinge leaves.

The optional self-threading screw is typically used on grout filled frames to prevent bowing of the frame. This screw has a short tapered section at the tip. A drilled pilot hole (range: 0.173" to 0.185") is required prior to tapping.

Either of these screws may be used for the attachment of Roton® hinges to metal doors or frames, generally without reinforcement except in thin aluminum or with doors of very heavy weight or anticipated abuse. Both types require center-punching to ensure that the screw sits properly in the hinge leaf. Self-centering countersinking center-punches are available.

In all cases, care should be taken to ensure that no drill chips build up behind the hinge. It is best to premark the holes and drill for self-threading screws with the hinge removed, or hold the hinge very tightly against the door or frame when using the self-drilling screws.

Hinges normally requiring sex bolts will be furnished with suitable mounting holes. Blank leaves, special countersinking, or door fastening with pan-head screws are available upon request.

If special fasteners are required, customers must supply them except upon prior agreement. Please consult the factory for alternate fastener recommendations.

Fasteners for Use with Hinges in the 1200 Series

1/4" - 20 x 1" Undercut Flat Phillips Head Screw

Sex Bolts (Thru-Bolts)

On all applicable surface-mounted hinges, sex bolt sets are furnished in the hardware package together with a transfer punch for accurate marking of the 3/8" (10 mm) drilled holes required. The 1/4"-20 bolt has a 3/8" (10 mm) shoulder under a 9/16" (14 mm) pan head so that it can be reversed for exterior in-swing doors or for additional security.

Roton® sex bolts are intentionally designed to be shorter than the door thickness for proper clamping action with doors of slightly varying thickness and gauge in the 1" (25 mm) - 2-1/2" (63.5 mm) range. Unless otherwise requested, bolts suitable for the 1-3/8" (35 mm) - 1-3/4" (45 mm) range will be shipped. Shorter or longer bolts may be requested. Bolts that are outside the door thickness range of 1" (25 mm) - 2-1/2" (63.5 mm) must be provided by the installer.



Roton Continuous Hinges

DOOR AND FRAME DIMENSIONING

Half Surface Models

780-045HD, 780-046HD, 780-053, 780-053HD, 780-054HD, and 780-155HD.

Designed primarily for work involving new doors and frames, one leaf concealed and one leaf surface mounted. They can also be used on retrofit work where a new door can be ordered to fit an existing frame if the existing door is made of wood and can be reduced in size to accommodate the 1/8" (3.2 mm) leaf thickness, or the frame is to be replaced and can be furnished with an oversized header.

Full Surface Models

780-057HD, 780-157, 780-157HD, 780-210, and 780-210HD.

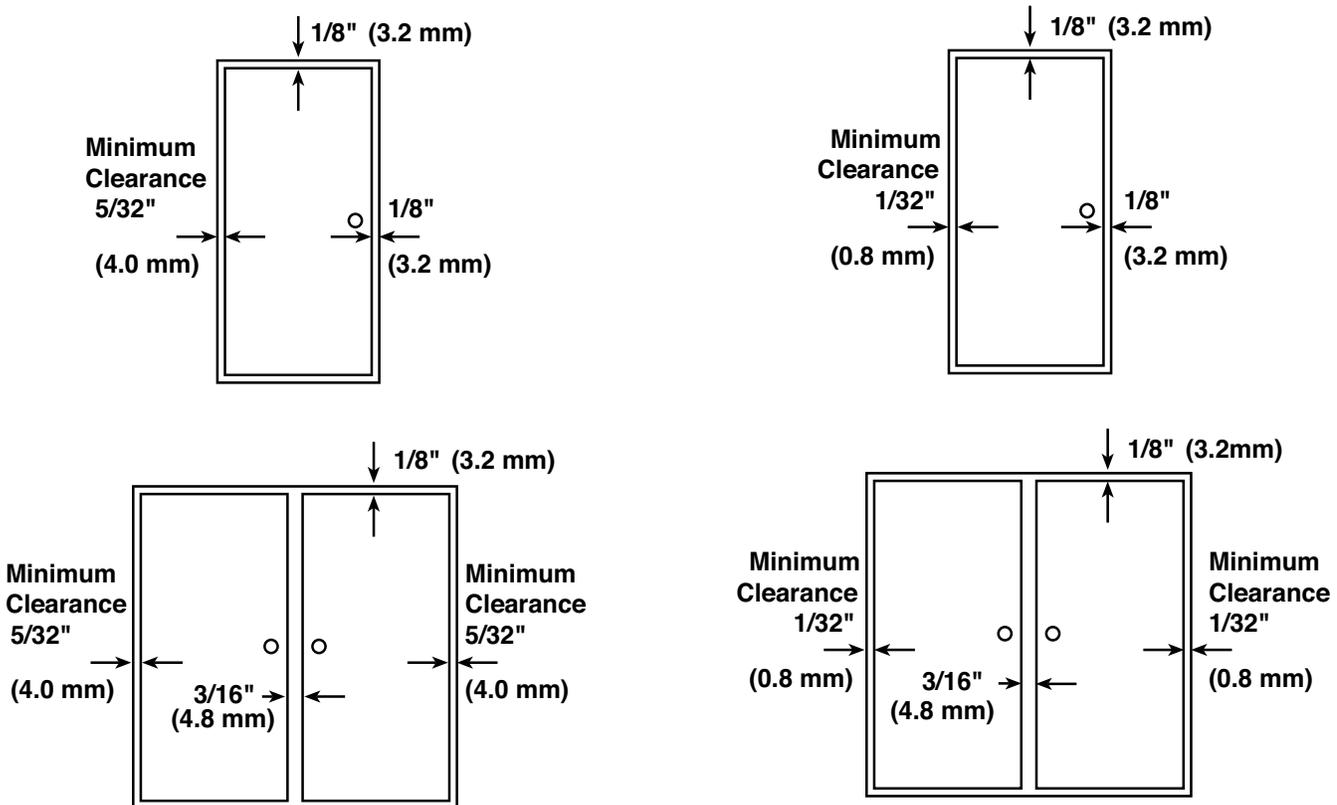
The above models are designed for retrofit applications and require no special dimensioning. Full surface models are designed to be mounted to the exposed surface of the door and frame. No additional clearance is required except for door and frame painting.

*For fire-rated doors, please refer to door manufacturer's requirement for edge to edge clearance to maintain compliance with NFPA requirements.

Concealed Models

780-110HD, 780-111, 780-111HD, 780-111LL, 780-112, 780-112HD, 780-112LL, 780-113HD, 780-124HD, 780-124LL, 780-224, 780-224HD, 780-224LL, 780-226HD, and 780-226LL. The following is not recommended for doors with beveled edged applications – 780-041HD. Extra Heavy Duty – 1200-600XHD, 1200-650XHD.

Designed primarily for work involving new doors and frames, these models have parallel, fully concealed leaves. They can also be used on retrofit work where a new door can be ordered to fit an existing frame if the existing door is made of wood and can be reduced in size to accommodate the 5/16" (7.9 mm) hinge thickness, or the frame is to be replaced and can be furnished with an oversized header.



Roton Continuous Hinges

DOOR AND FRAME DIMENSIONING - U.S. STANDARD

		Hinge thickness	Second hinge thickness	Additional allowance for frame irregularities	Second allowance for frame irregularities	Allowance for beveled edge	Second allowance for beveled edge	Lockside clearance for single door	Edge to edge clearance (recommended)*	Total
		A	B	C	D	E	F	G	H	
		in	in	in	in	in	in	in	in	in
Half Surface Models	Single Doors (Square and Beveled Edge)	18"		132"				18"		9/32"
	Pairs of Doors (Square and Beveled Edge)	1/8"	1/8"	1/32"	1/32"				3/16"	1/2"
Full Surface Models	Single Doors (Square and Beveled Edge)			1/32"				1/8"		5/32"
	Pairs of Doors (Square and Beveled Edge)			1/32"	1/32"				3/16"	1/4"
Concealed Models	Single Doors (Square Edged)	5/16"		1/32"				1/8"		15/32"
	Single Doors (Beveled Edged)	5/16"		1/32"		1/32"		1/8"		1/2"
	Doors (Square Edged)	5/16"	5/16"	1/32"	1/32"				3/16"	7/8"
	Pairs of Doors (Beveled Edged)	5/16"	5/16"	1/32"	1/32"	1/32"	1/32"		3/16"	15/16"
Concealed Models - Exceptions: 780-113HD	Single Doors (Square Edged)	13/16"		1/32"				1/8"		31/32"
	Single Doors (Beveled Edged)	13/16"		1/32"		1/32"		1/8"		1"
	Pairs of Doors (Square Edged)	13/16"	13/16"	1/32"	1/32"				3/16"	1-7/8"
	Pairs of Doors (Beveled Edged)	13/16"	13/16"	1/32"	1/32"	1/32"	1/32"		3/16"	1-15/16"
Concealed Models - Extra HD: 1200-600XHD	Single Doors (Square Edged)	15/32"		1/32"				1/8"		5/8"
	Single Doors (Beveled Edged)	15/32"		1/32"		1/32"		1/8"		21/32"
	Pair of Doors (Square Edged)	15/32"	15/32"	1/32"	1/32"				3/16"	1-3/16"
	Pair of Doors (Beveled Edged)	15/32"	15/32"	1/32"	1/32"	1/32"	1/32"		3/16"	1-1/4"
Concealed Models - Extra HD: 1200-650XHD	Single Doors (Beveled Edged)	1/2"		1/32"		1/32"		1/8"		11/16"
	Pair of Doors (Square Edged)	1/2"	1/2"	1/32"	1/32"				3/16"	1-1/4"
	Pair of Doors (Beveled Edged)	1/2"	1/2"	1/32"	1/32"	1/32"	1/32"		3/16"	1-5/16"

*For fire-rated doors, please refer to door manufacturer's requirement for edge to edge clearance to maintain compliance with NFPA requirements



Roton Continuous Hinges

DOOR AND FRAME DIMENSIONING - METRIC

		Hinge thickness	Second hinge thickness	Additional allowance for frame irregularities	Second allowance for frame irregularities	Allowance for beveled edge	Second allowance for beveled edge	Lockside clearance for single door	Edge to edge clearance (recommended)*	Total
		A	B	C	D	E	F	G	H	
		mm	mm	mm	mm	mm	mm	mm	mm	mm
Half Surface Models	Single Doors (Square and Beveled Edge)	3.2		0.8				3.2		7.2
	Pairs of Doors (Square and Beveled Edge)	3.2	3.2	0.8	0.8				4.8	12.8
Full Surface Models	Single Doors (Square and Beveled Edge)			0.8				3.2		4.0
	Pairs of Doors (Square and Beveled Edge)			0.8	0.8				4.8	6.4
Concealed Models	Single Doors (Square Edged)	7.9		0.8				3.2		11.9
	Single Doors (Beveled Edged)	7.9		0.8		0.8		3.2		12.7
	Doors (Square Edged)	7.9	7.9	0.8	0.8				4.8	22.2
	Pairs of Doors (Beveled Edged)	7.9	7.9	0.8	0.8	0.8	0.8		4.8	23.8
Concealed Models - Exceptions: 780-113HD	Single Doors (Square Edged)	20.6		0.8				3.2		24.6
	Single Doors (Beveled Edged)	20.6		0.8		0.8		3.2		25.4
	Pairs of Doors (Square Edged)	20.6	20.6	0.8	0.8				4.8	47.6
	Pairs of Doors (Beveled Edged)	20.6	20.6	0.8	0.8	0.8	0.8		4.8	49.2
Concealed Models - Extra HD: 1200-600XHD	Single Doors (Square Edged)	11.9		0.8				3.2		15.9
	Single Doors (Beveled Edged)	11.9		0.8		0.8		3.2		16.7
	Pair of Doors (Square Edged)	11.9	11.9	0.8	0.8				4.8	30.2
	Pair of Doors (Beveled Edged)	11.9	11.9	0.8	0.8	0.8	0.8		4.8	31.8
Concealed Models - Extra HD: 1200-650XHD	Single Doors (Beveled Edged)	12.7		0.8		0.8		3.2		17.5
	Pair of Doors (Square Edged)	12.7	12.7	0.8	0.8				4.8	31.8
	Pair of Doors (Beveled Edged)	12.7	12.7	0.8	0.8	0.8	0.8		4.8	33.4

*For fire-rated doors, please refer to door manufacturer's requirement for edge to edge clearance to maintain compliance with NFPA requirements

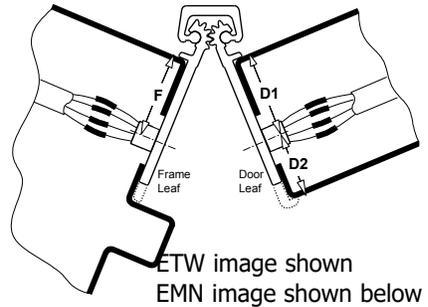


Roton Continuous Hinges

ELECTRIC HINGE MODIFICATIONS

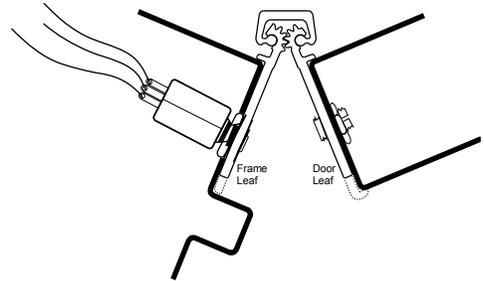
Concealed Electric Through-Wire and Monitoring:

- To order, use symbol "ETM" plus the number of wires required as a suffix, ie: 780-224LL 85" Bronze ETM - 4
- This combines the continuous electric conductors and the miniature switch to provide both power transfer and monitoring
- Four, six, eight or ten continuous electric conductors
- Miniature switch is incorporated into the frame leaf
- Specify handing and the dimension from the top edge of the door to the centerline of each electric modification location
- Templates regarding location of monitoring switch, available upon request



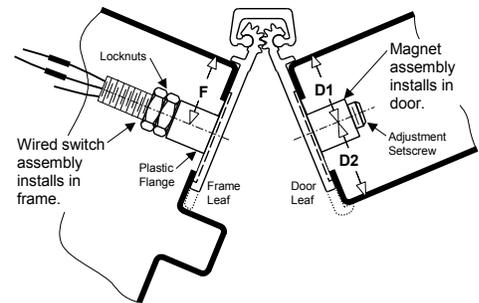
Exposed Electric Switches

- To order, use symbol "E1S" as a suffix, ie: 780-112HD 85" Clear E1S
- Miniature push button switch is incorporated in the hinge frame leaf to monitor position of the door
- Three 12" wire leads
- Each monitoring hinge only needs one E1S switch
- Specify handing and the dimension from the top edge the door to the centerline of the electric switch location
- Templates regarding location of contact switch available upon request



Concealed Electric Monitoring

- To order, use symbol "EMN", as a suffix, ie: 780-224HD 119" Bronze EMN
- Miniature switch is incorporated into the frame leaf
- Three 12" wire leads
- Specify handing and the dimension from the top edge of the door to the centerline of electric monitoring location
- Templates regarding location of monitoring switch available upon request



Electric Power Transfer Preparation

2-679-0621 | 2-679-0622 EPT 2 or 2-679-0623 | 2-679-0624 EPT 10

Concealed Leaf

Half Surface

- Hinge leaf cutout to accommodate power transfer device
- Specify handing and the dimension from the top edge of the door to the centerline of the power transfer location

Note: Special Electric Modifications and EPT locations may require additional charges if screw holes must be moved. Contact Hager Companies Customer Service for charges.



Contact Hager for additional EPT compatibility

2-679-0620

Swing - Clear

- Hinge leaf cutout to accommodate power transfer device
- Specify handing and the dimension from the top edge of the door to the centerline of the power transfer location

Note: Special Electric Modifications and EPT locations may require additional charges if screw holes must be moved. Contact Hager Companies Customer Service for charges.

Contact Hager for additional EPT compatibility

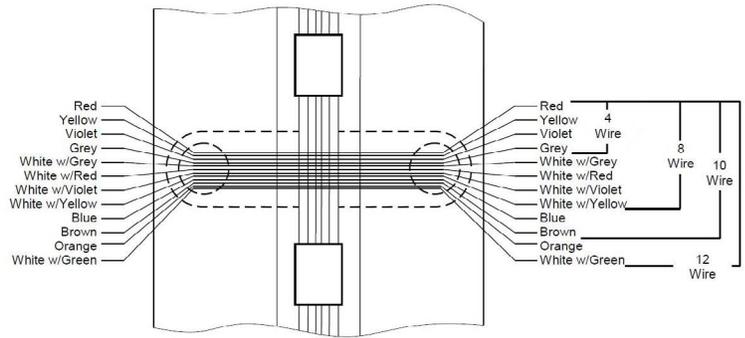


Roton Continuous Hinges

ELECTRIC HINGE MODIFICATIONS

Concealed Electric Through-Wire

- To order, use symbol "ETW" plus the number of wire leads, 12" per side required as a suffix, ie: 780-112HD 85" Clear ETW - 4
- Transfers power discreetly from building to door hardware
- 4, 8, 10 or 12 wire continuous electric conductors
- Specify handing and the dimension from the top edge of the door to the centerline of electric through-wire location
- Templates regarding location of through-wires available upon request



Removable Electric Through-Wire

- To order, use symbol "RETW", ie: 780-112HD 85" Clear RETW
- Transfers power discreetly from building to door hardware
- 4" removable 10 or 12 wire ETW module can easily be removed for adjustment or service
- Available on these heavy duty models only: 780-057HD, 780-111HD, 780-112HD, 780-124HD, 780-157HD, 780-224HD, 780-226HD
- Specify handing and the dimension from the top edge of the door to the centerline of electric monitoring location
- Templates regarding location of module available upon request



Component #	Finish	# of Wires
7-102-1860	Clear	10
7-112-1870	Dark Bronze	10
7-112-1875	Black	10
7-102-1870	Clear	12
7-112-1872	Dark Bronze	12
7-112-1881	Black	12

Mortar Box - 430

- Serves as a mortar shield
- Overall dimensions: 9" (229 mm) length with tabs, 7" (178 mm) inside, 1-3/4" x 1-3/4" (45 mm x 45 mm) inside dimension
- Galvanized steel 0.040" (1 mm)
- Top and bottom knockouts for standard conduit fittings



Exposed Electric Contacts

- To order, use symbol "E" plus the number of contacts required as a suffix, ie: 780-112HD 85" Clear E4
- Transfers power to door in closed position
- Must have at least two contacts to transfer power
- Specify handing and the dimension from the top edge of the door to the centerline of the electric contact location
- Templates regarding location of contacts available upon request

Roton Continuous Hinges

ELECTRIC HINGE MODIFICATIONS

Quick Connect

Available for ETM, ETW, and RETW options. Top and bottom knockouts for standard conduit fittings.

Concealed Electric Monitoring (EMN)

- Miniature switch is incorporated into the frame leaf.
- Specify handing and the dimension from the top edge of the door to the centerline of the electric monitoring location.
- Special Electric Modifications and EPT locations may require additional charges if screw holes have to be moved.
- Templates regarding location of monitoring switch available upon request.

Concealed Electric Through-Wire and Monitoring (ETM)

- Electric Preparation
 - ETM-4
 - ETM-8
 - ETM-10
- All ETM have 28-gauge continuous conductors.
- This combines the continuous electric conductors and the miniature switch to provide both power transfer and monitoring.
- Miniature switch is incorporated into the frame leaf.
- Specify handing and the dimension from the top edge of the door to the centerline of each electric modification location.
- Templates regarding location of monitoring switch available upon request.

Concealed Electric Through-Wire (ETW)

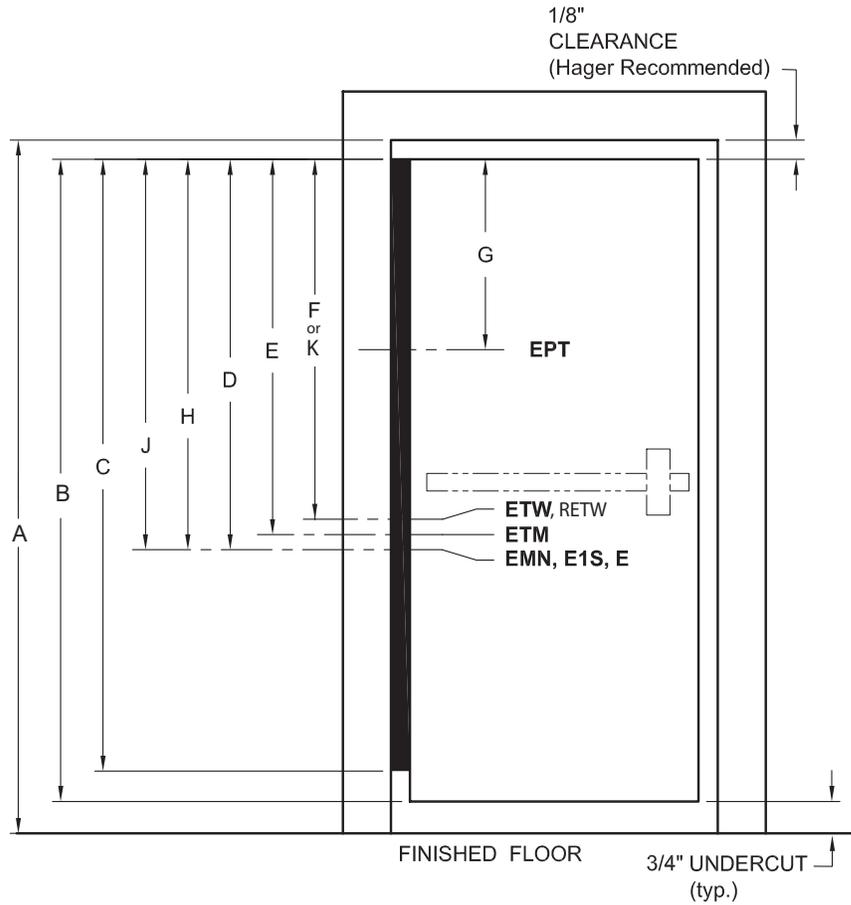
- Electric Preparation
 - ETW-4
 - ETW-8
 - ETW-10
 - ETW-12
- All ETW have 28-gauge continuous conductors.
- 12" per side required as a suffix.
- Cut out for prep - 1/2" drilled hole.
- Transfers power discreetly from building to door hardware.
- Specify handing and the dimension from the top edge of the the door to the centerline of the electric through-wire location.
- Special electric modifications and EPT locations may require additional charges if screw holes have to moved. Contact Hager Customer Service for charges.
- Templates regarding location of through-wires available upon request.



Roton Continuous Hinges

ELECTRIC HINGE MODIFICATIONS

- A = Opening
- B = Door height
- C = Actual hinge length
- D = C.L. of EMN (electric monitor)
- E = C.L. of ETM (electric through-wires & monitor)
- F = C.L. of ETW (electric through-wires)
- G = C.L. of EPT (electric power transfer)
- H = C.L. of E1S (exposed switch)
- J = C.L. of E (exposed contact)
- K = C.L. of RETW (removable electric through-wires)



For ease of ordering, Hager Companies has established standard locations for power transfer cutouts. All standard location dimensions are referenced from the top edge of the door to the centerline of the power transfer cutout. Please specify handing.

	Opening	Door Height	Actual Hinge Length	EMN	ETM	ETW	EPT	E1S	E	RETW
79 SD	80"	79-1/8"	79"	40-3/4"	42-3/4"	40-3/4"	34-3/8"	42-1/2"	42-1/2"	-
79 HD	80"	79-1/8"	79"	40-3/4"	43-3/8"	40-3/4"	34-3/8"	42-1/2"	42-1/2"	43-3/8"
83 SD	84"	83-1/8"	83"	45-5/16"	44-3/4"	45-5/16"	36-3/8"	46-1/2"	46-1/2"	-
83 HD	84"	83-1/8"	83"	45-5/16"	45-3/8"	45-5/16"	36-3/8"	46-1/2"	46-1/2"	45-3/8"
85 SD	86"	85-1/8"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
85 HD	86"	85-1/8"	85"	46-5/16"	46-3/8"	46-5/16"	37-3/8"	48-1/2"	48-1/2"	46-3/8"
95 SD	96"	95-1/8"	95"	56-3/8"	55-13/16"	56-3/8"	47-1/2"	59-3/4"	59-3/4"	-
95 HD	96"	95-1/8"	95"	56-3/8"	56-1/2"	56-3/8"	47-1/2"	59-3/4"	59-3/4"	56-1/2"
119 SD	120"	119-1/8"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
119 HD	120"	119-1/8"	119"	81-1/4"	81-5/16"	81-1/4"	72-5/16"	83-3/4"	83-3/4"	81-5/16"

SD = Standard Duty

HD = Heavy Duty



Roton Continuous Hinges

ELECTRIC HINGE MODIFICATIONS

ROTON® ELECTRICAL MODIFICATIONS (CONTINUED)

	Von Duprin EPT 2 or EPT 10 Power Transfer Preparation	Exposed Electric Contacts	Exposed Electric Switches	Concealed Electric Through-Wire	Concealed Electric Monitoring	Concealed Electric Through-Wire and Monitoring	Removable Electric Through-Wire
Part Number	EPT	E	E1S	ETW	EMN	ETM	RETW
780-045HD	•						
780-046HD	•						
780-053	•						
780-053HD	•						
780-054HD	•						
780-110HD			•				
780-057				•			•
780-111	•	•	•	•	•	•	
780-111HD	•	•	•	•	•	•	•
780-111LL	•	•	•	•	•	•	
780-112	•	•	•	•	•	•	
780-112HD	•	•	•	•	•	•	•
780-112LL	•	•	•	•	•	•	
780-124HD	•	•	•	•	•	•	•
780-124LL	•	•	•	•	•	•	
780-157				•			•
780-224	•	•	•	•	•	•	
780-224HD	•	•	•	•	•	•	•
780-224LL	•	•	•	•	•	•	
780-226HD	•	•	•	•	•	•	•
780-226LL	•	•	•	•	•	•	
1200-600	•			•			
1200-650	•			•			

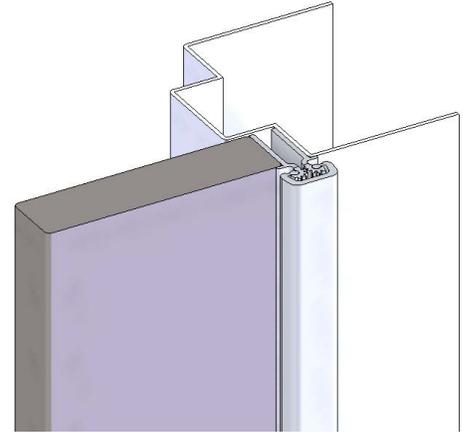


Roton Continuous Hinges

500 SERIES - Concealed | 500-048 - Light Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	5/16" (8 mm)
Door Thickness:	1-1/6" Nominal Leaf Thickness
Frame Leaf:	3/4"
Door Leaf:	3/4"
Fasteners:	Truss 8 - 18 X 3/4" Phillips Head Screw For sheet metal or wood applications.
Length Options:	24", 36", 48", 72" Contact for Non-Standard Lengths



Electrical Modifications: None

FEATURES

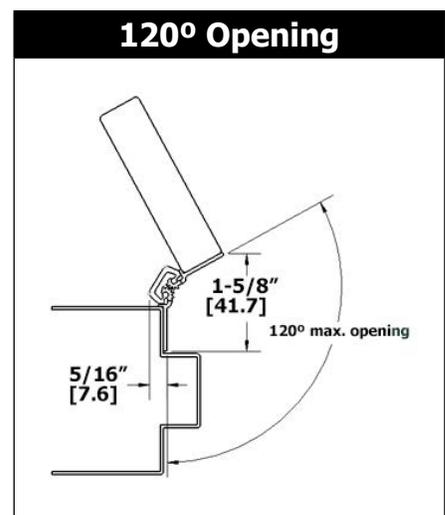
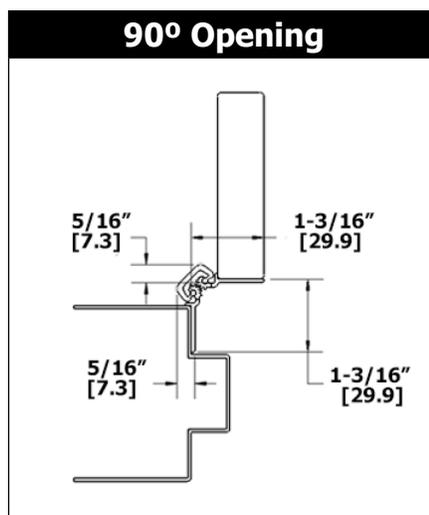
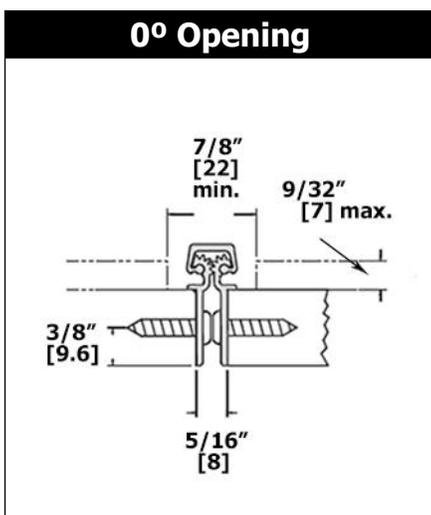
- Universal hinge used for a wide variety of applications including marine applications, wood cabinet construction, medical equipment, portable exhibits and displays, electronic cabinets, switchboxes, etc.
- Bearings spaced to distribute door weight evenly up to 50 lbs.
- Can be used for vertical or horizontal applications
- Alignment ribs for easy installation and proper hinge location

ADD ONS

None

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty."

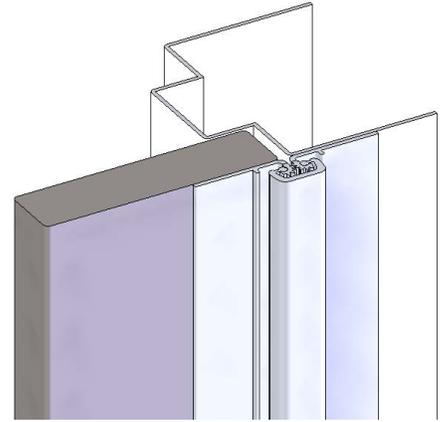


Roton Continuous Hinges

500 SERIES - Full Surface | 500-220 - Light Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	1/32" (1 mm) minimum
Door Thickness:	1-1/6" Nominal Leaf Thickness
Frame Leaf:	1-5/32"
Door Leaf:	1-5/32"
Fasteners:	Truss 8 - 18 X 3/4" Phillips Head Screw For sheet metal or wood applications Shorter screws required for 90° and 180° openings when applied as shown in B (not provided) Shorter screws required for openings past 90° when applied as shown in C (not provided)
Length Options:	24", 36", 48", 72" *Contact for Non-Standard Lengths
Electrical Modifications:	None



FEATURES

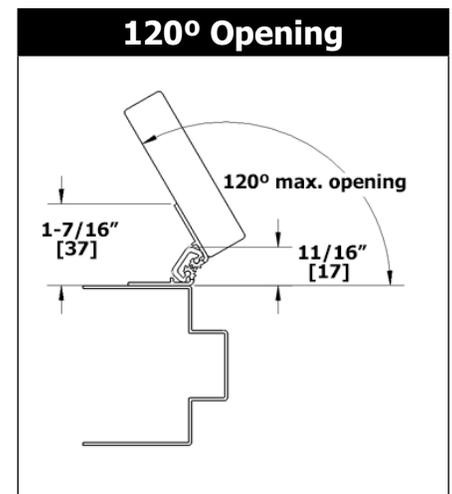
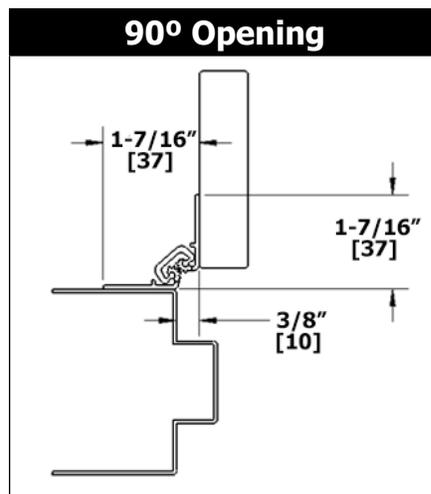
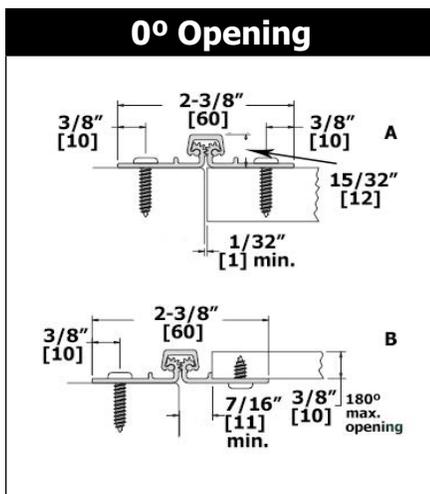
- Universal hinge used for a wide variety of applications including marine applications, wood cabinet construction, medical equipment, portable exhibits and displays, electronic cabinets, switchboxes, etc.
- Allows either inset or outset applications for recessed or surface mounting
- Bearings spaced to distribute door weight evenly up to 50 lbs.
- Can be used for vertical or horizontal applications
- Alignment ribs for easy installation and proper hinge location

ADD ONS

None

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

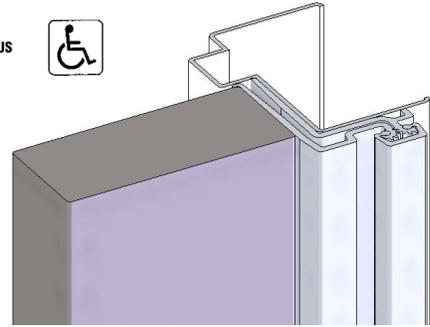


Roton Continuous Hinges

780 SERIES - Concealed | 780-041HD - Heavy Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	5/16" (8 mm) hinge side plus standard lock side clearance
Door Thickness:	1-3/4" Door Swing Clear Action
Frame Leaf:	1-15/16"
Door Leaf:	1-3/4"
Fasteners:	Drill Quick #12-24 x 11/16" Flat Head Screws Additional options sold separately
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	Up to 3-hour metal and 90 minute wood composite (with studs) For more information, see fire rating details section
Electrical Modifications:	None



(Left hand shown)

FEATURES

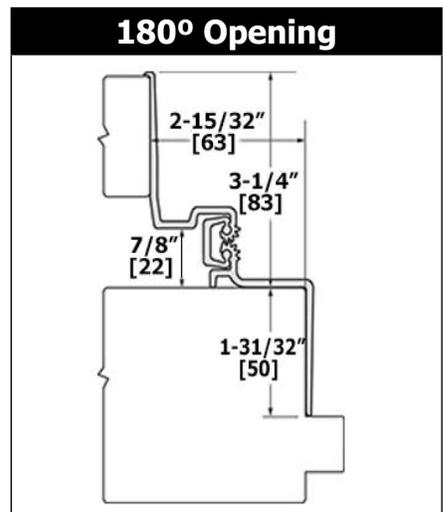
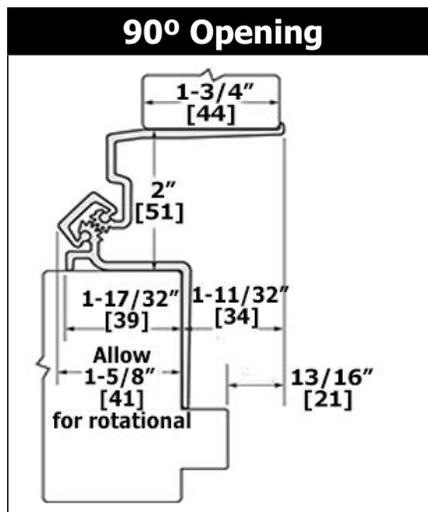
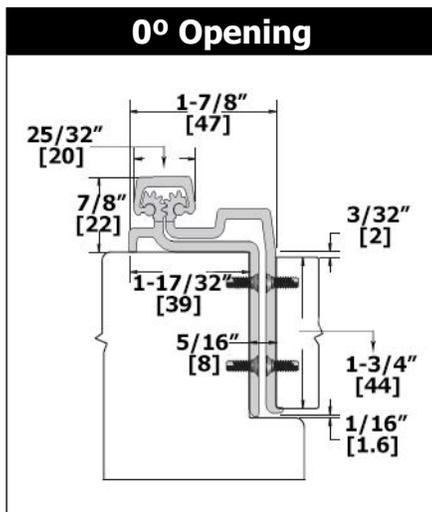
- Heavy duty for high frequency doors - for wood or metal doors 1-3/4" (44 mm) thick
- Door edge protection lip
- Swing-clear action and ADA compliant for classroom or patient room doors
- Not recommended for doors with a beveled edge on the hinge side
- When opened 90° door projects 13/16" past a standard 5/8" stop of jamb.

ADD ONS

None

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

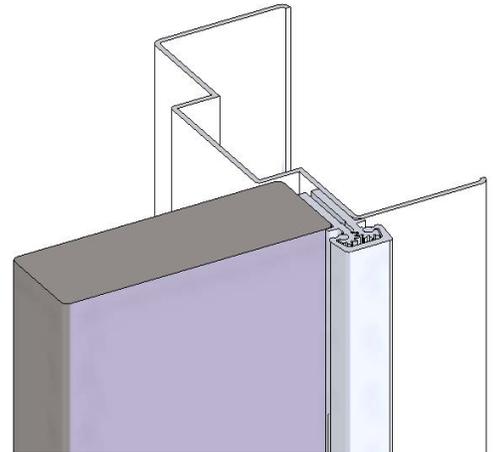


Roton Continuous Hinges

780 SERIES - Concealed | 780-110HD - Heavy Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	5/16" (8 mm) hinge side plus standard lock side clearance
Door Thickness:	1" to 1-3/8" door
Frame Leaf:	29/32"
Door Leaf:	29/32"
Fasteners:	Drill Quick #12-24 x 11/16" Flat Head Screws Additional options sold separately
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	For more information, see fire rating details section
Electrical Modifications:	Exposed Electric Switches (E1S)



FEATURES

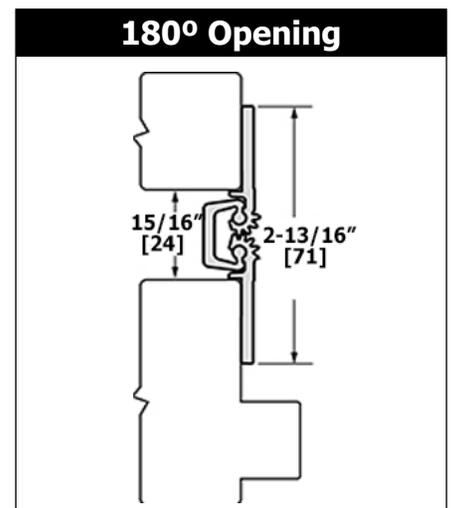
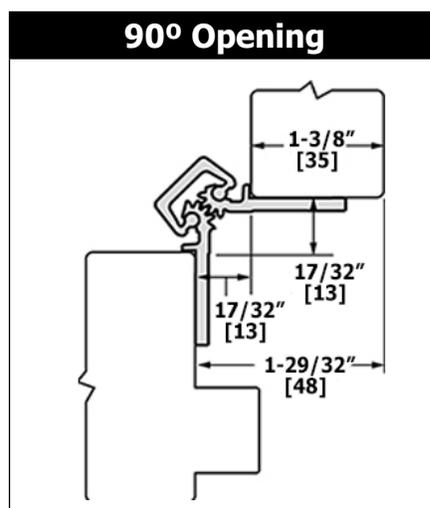
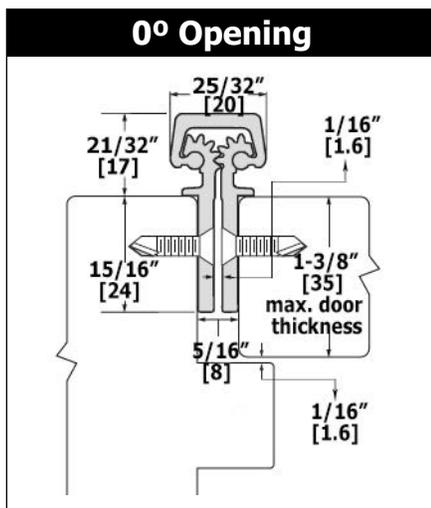
- Heavy duty for high frequency doors or heavy, medium frequency doors.
- Frame and door leaf alignment ribs for proper hinge and door location

ADD ONS

- Hospital Tip
- TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

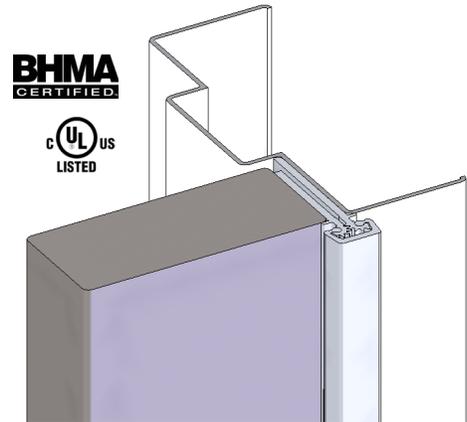


Roton Continuous Hinges

780 SERIES - Concealed | 780-111 - Standard, Heavy, Lead Lined*

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	5/16" (8 mm) hinge side plus standard lock side clearance
Door Thickness:	1-3/4"
Frame Leaf:	1-15/16"
Door Leaf:	1-9/16"
Fasteners:	Standard Duty and Heavy Duty: Drill Quick #12-24 x 11/16" Flat Head Screws Lead Lined: Half Drill Quick and Half Wood Screws #12-24 x 11/16" Flat Head Screws #12-24 x 1-1/2" Flat Head Screws Additional options sold separately
LL Fasteners:	Lead Line option available on Heavy Duty only
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	For more information, see fire rating details section
Electrical Modifications:	Power Transfer Preparation (EPT 2) or (EPT 10) Exposed Electric Contacts (E) Exposed Electric Switches (E1S) Electric Through-Wire (ETW) Electric Monitoring (EMN) Electric Through-Wire and Monitoring (ETM)



FEATURES

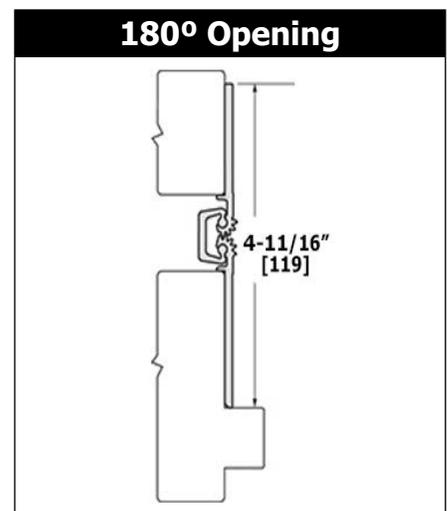
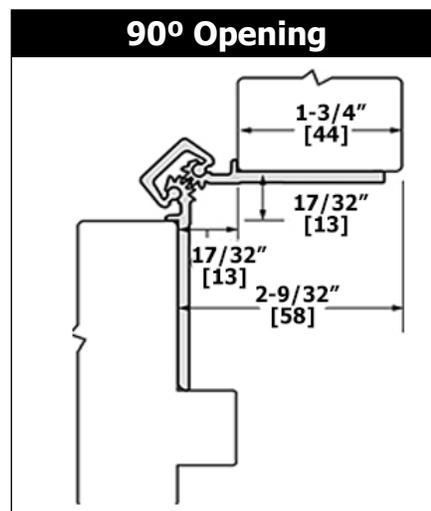
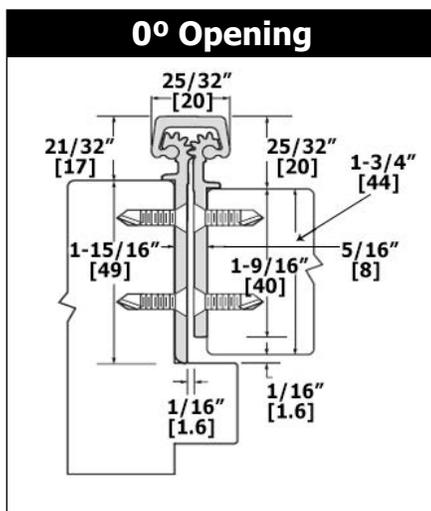
- Standard duty for medium frequency doors. Heavy duty for high frequency doors or heavy, medium frequency doors.
- Lead lined model for hospital x-ray room doors with double row of screws to straddle lead (Specify LL)
- Frame and door leaf alignment ribs for proper hinge and door location
- 1/8" (3 mm) inset

ADD ONS

Hospital Tip
TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty."

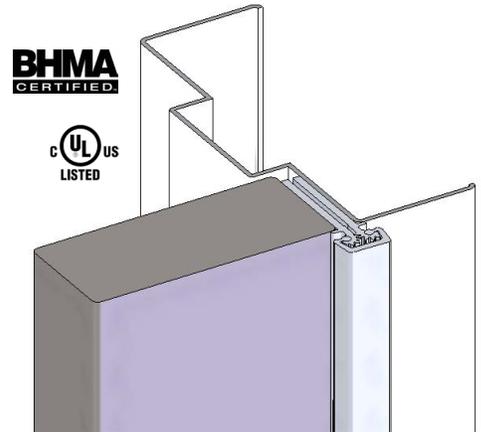


Roton Continuous Hinges

780 SERIES - Concealed | 780-112 - Standard, Heavy, Lead Lined*

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized"
Clearance:	5/16" (8 mm) hinge side plus standard lock side clearance
Door Thickness:	1-3/4"
Frame Leaf:	1-9/16"
Door Leaf:	1-9/16"
Fasteners:	Standard Duty and Heavy Duty: Drill Quick #12-24 x 11/16" Flat Head Screws Lead Lined: Half Drill Quick and Half Wood Screws #12-24 x 11/16" Flat Head Screws #12-24 x 1-1/2" Flat Head Screws Additional options sold separately
LL Fasteners:	Lead Line option available on Heavy Duty only
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	Up to 3-hour metal and 90 minute wood composite (with studs) For more information, see fire rating details section



Electrical Modifications:	Power Transfer Preparation (EPT 2) or (EPT 10) Exposed Electric Contacts (E) Exposed Electric Switches (E1S) Electric Through-Wire (ETW) Electric Monitoring (EMN) Electric Through-Wire and Monitoring (ETM)
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FEATURES

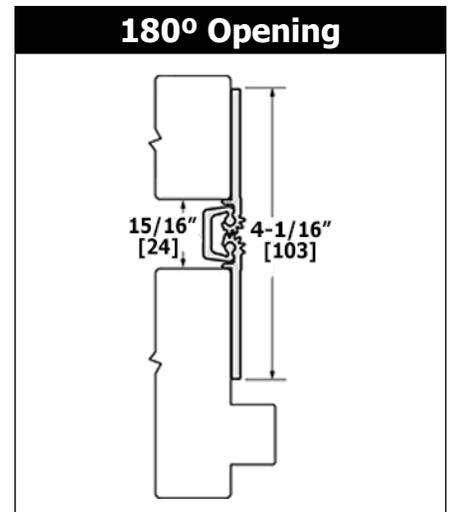
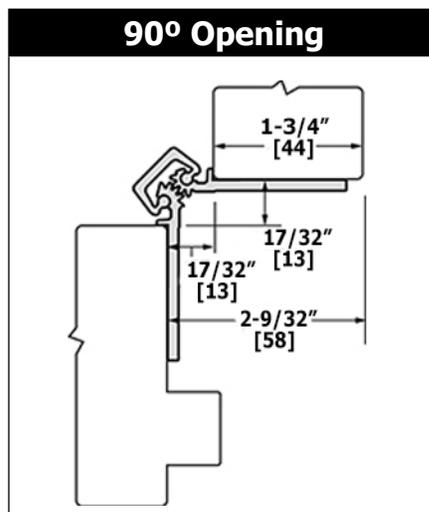
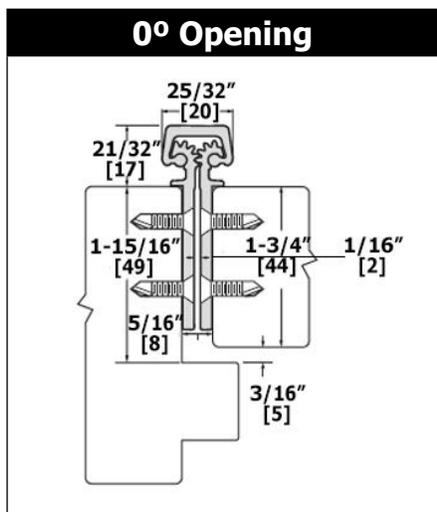
- Standard duty for medium frequency doors. Heavy duty for high frequency doors or heavy, medium frequency doors.
- Lead lined model for hospital x-ray room doors with double row of screws to straddle lead (Specify LL)
- Frame and door leaf alignment ribs for proper hinge and door location

ADD ONS

Hospital Tip
TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

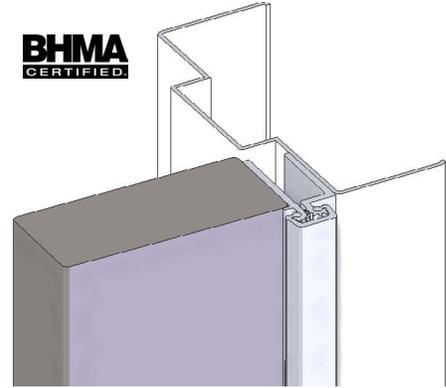


Roton Continuous Hinges

780 SERIES - Concealed | 780-113HD - Heavy Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	13/16" (21 mm) hinge side plus standard lock side clearance
Door Thickness:	1-3/4"
Frame Leaf:	1-1/2"
Door Leaf:	1-9/16"
Fasteners:	Drill Quick #12-24 x 11/16" Flat Head Screws Additional options sold separately
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	For more information, see fire rating details section"
Electrical Modifications:	None



(Left hand shown)

FEATURES

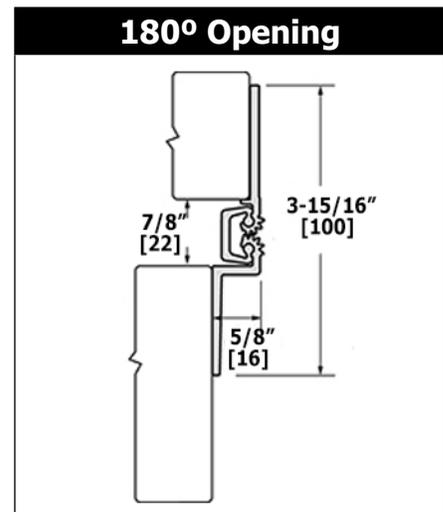
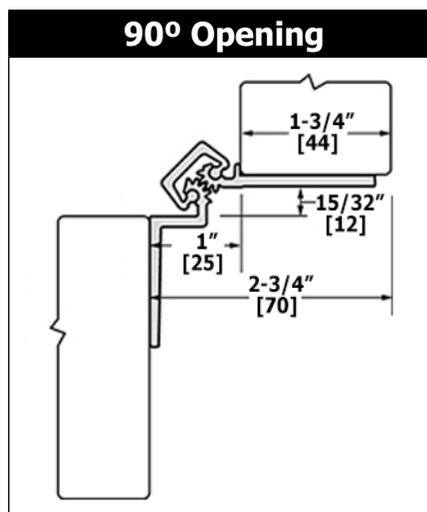
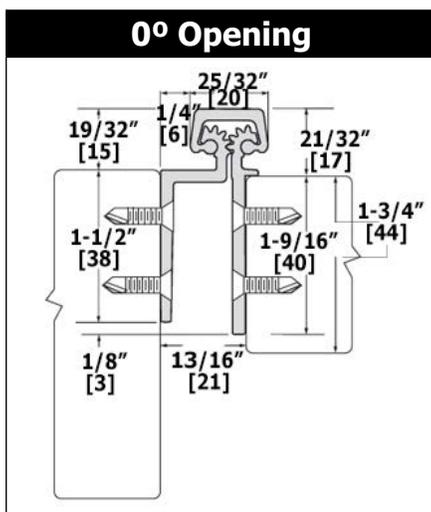
- Heavy duty for high frequency doors or heavy, medium frequency doors
- Safety Hinge for early education centers, nursing homes, etc. (when used without frame stop)
- Door leaf alignment rib for proper door location
- 1/16" (1.5 mm) inset

ADD ONS

Hospital Tip
TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

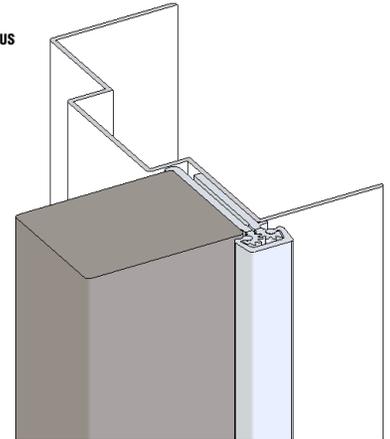


Roton Continuous Hinges

780 SERIES - Concealed | 780-121 - Standard Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	5/16" (8 mm) hinge side plus standard lock side clearance
Door Thickness:	1-3/4"
Frame Leaf:	1-15/16"
Door Leaf:	1-9/16"
Fasteners:	Drill Quick #12-24 x 11/16" Flat Head Screws Additional options sold separately
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	For more information, see fire rating details section
Electrical Modifications:	<ul style="list-style-type: none"> • Power Transfer Preparation (EPT 2) or (EPT 10) • Exposed Electric Contacts (E) • Exposed Electric Switches (E1S) • Electric Through-Wire (ETW) • Electric Monitoring (EMN) • Electric Through-Wire and Monitoring (ETM)



FEATURES

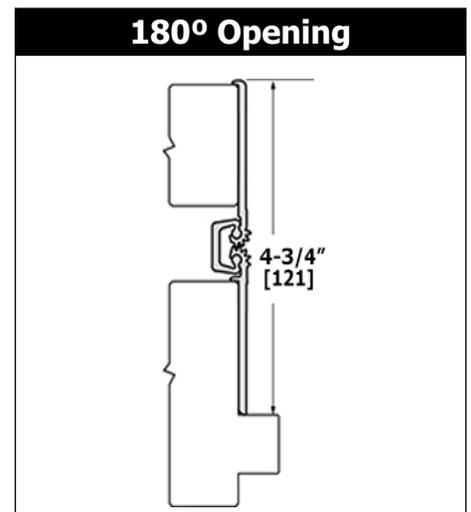
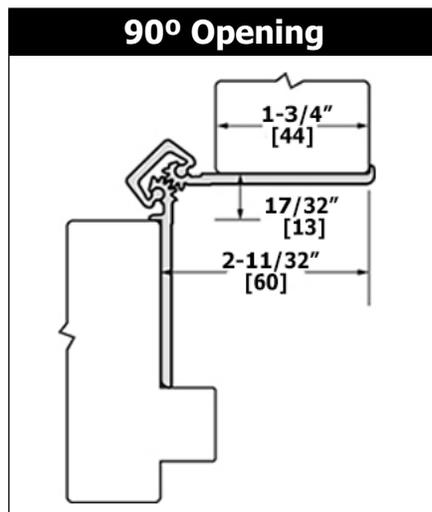
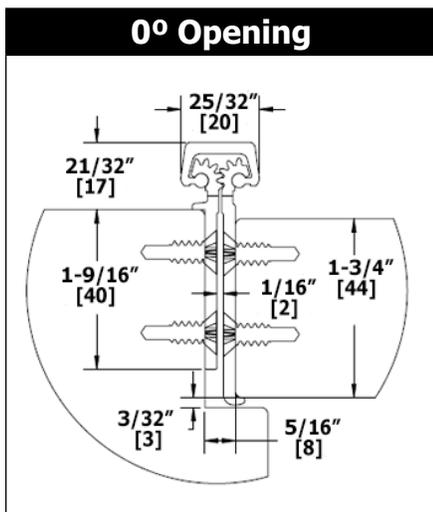
Standard duty for medium frequency doors.
Frame and door leaf alignment ribs for proper hinge and door location

ADD ONS

Hospital Tip
TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

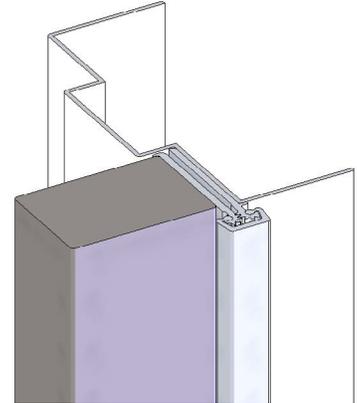


Roton Continuous Hinges

780 SERIES - Concealed | 780-122HD - Heavy Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	5/16" (8 mm) hinge side plus standard lock side clearance
Door Thickness:	1-3/4"
Frame Leaf:	1-15/16"
Door Leaf:	
Fasteners:	Drill Quick #12-24 x 11/16" Flat Head Screws Additional options sold separately
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	For more information, see fire rating details section
Electrical Modifications:	<ul style="list-style-type: none"> • Power Transfer Preparation (EPT 2) or (EPT 10) • Exposed Electric Contacts (E) • Exposed Electric Switches (E1S) • Electric Through-Wire (ETW) • Electric Monitoring (EMN) • Electric Through-Wire and Monitoring (ETM)



(Left hand shown)

FEATURES

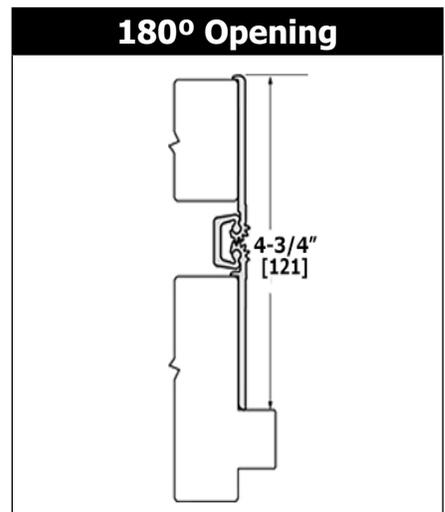
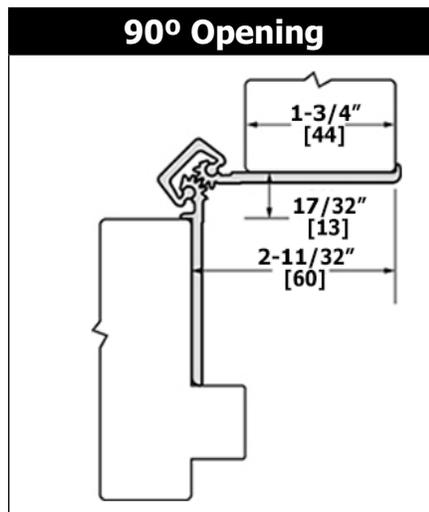
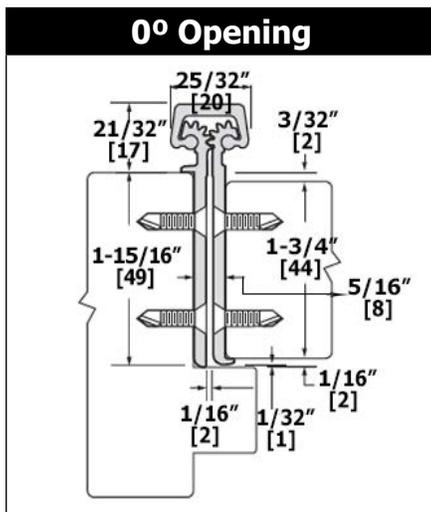
Heavy duty for high frequency doors or heavy, medium frequency doors.
Frame and door leaf alignment ribs for proper hinge and door location

ADD ONS

Hospital Tip
TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

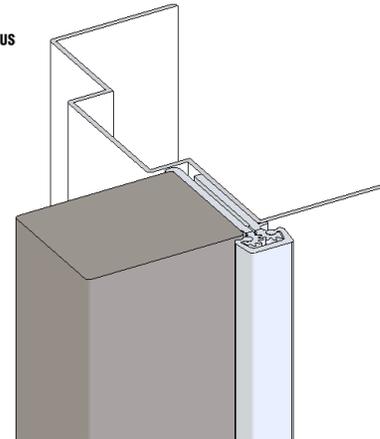


Roton Continuous Hinges

780 SERIES - Concealed | 780-124HD - Heavy, Lead Lined*

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	5/16" (8 mm) hinge side plus standard lock side clearance
Door Thickness:	1-3/4"
Frame Leaf:	1-9/16"
Door Leaf:	1-3/4"
Fasteners:	Heavy Duty: Drill Quick #12-24 x 11/16" Flat Head Screws Lead Lined: Half Drill Quick and Half Wood Screws #12-24 x 11/16" Flat Head Screws #12-24 x 1-1/2" Flat Head Screws Additional options sold separately
LL Fasteners:	Lead Line option available on Heavy Duty only
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	Up to 3-hour metal and 90 minute wood composite (with studs) For more information, see fire rating details section



Electrical Modifications:	Power Transfer Preparation (EPT 2) or (EPT 10) Exposed Electric Contacts (E) Exposed Electric Switches (E1S) Electric Through-Wire (ETW) Electric Monitoring (EMN) Electric Through-Wire and Monitoring (ETM) Removable Electric Through-Wire (RETW)
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FEATURES

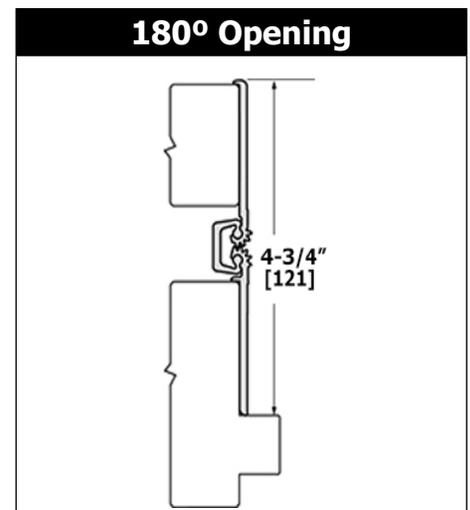
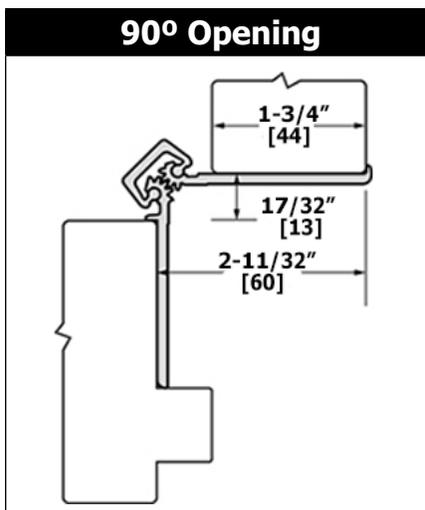
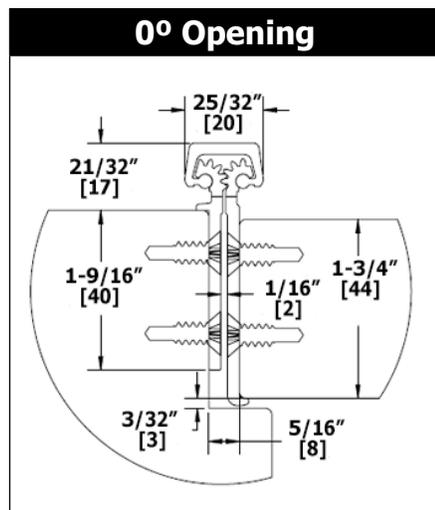
- Heavy duty for high frequency doors or heavy, medium frequency doors
- Lead lined model for hospital x-ray room doors with double row of screws to straddle lead (Specify LL)
- Frame alignment rib for proper hinge and door location
- Door edge protection tip
- For deep inset or flush-with-frame (when using rabbeted frames) applications, center hung doors, heavy cabinets
- For square edged doors on hinge side

ADD ONS

Hospital Tip
TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.



Roton Continuous Hinges

780 SERIES - Concealed | 780-224 - Standard, Heavy, Lead Lined*

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	5/16" (8 mm) hinge side plus standard lock side clearance
Door Thickness:	1-3/4"
Frame Leaf:	1-15/16"
Door Leaf:	1-3/4"
Fasteners:	Standard Duty and Heavy Duty: Drill Quick #12-24 x 11/16" Flat Head Screws Lead Lined: Half Drill Quick and Half Wood Screws #12-24 x 11/16" Flat Head Screws #12-24 x 1-1/2" Flat Head Screws Additional options sold separately
LL Fasteners:	Lead Line option available on Heavy Duty only
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	Up to 3-hour metal and 90 minute wood composite (with studs) For more information, see fire rating details section

Electrical Modifications:	Power Transfer Preparation (EPT 2) or (EPT 10) Exposed Electric Contacts (E) Exposed Electric Switches (EIS) Electric Through-Wire (ETW) Electric Monitoring (EMN) Electric Through-Wire and Monitoring (ETM) Removable Electric Through-Wire (RETW)
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FEATURES

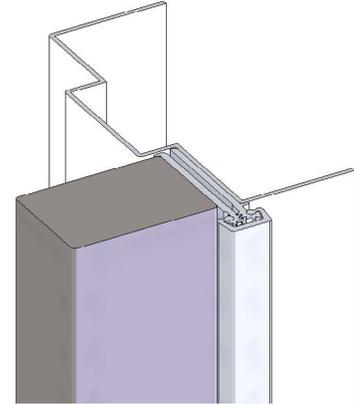
- Standard duty for medium frequency doors. Heavy duty for high frequency doors or heavy, medium frequency doors. All for doors 1-3/4" (44 mm) thick.
- Lead lined model for hospital x-ray room doors with double row of screws to straddle lead (Specify LL)
- Door edge protection lip
- Frame leaf alignment rib for proper hinge and door location
- 3/32" (2 mm) inset hinge and door location

ADD ONS

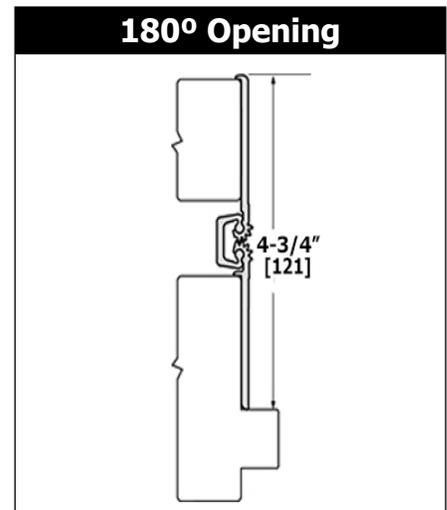
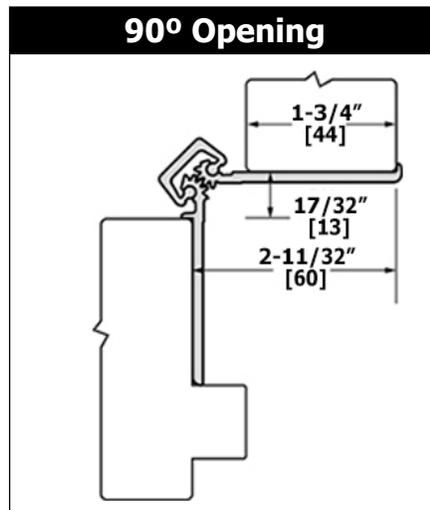
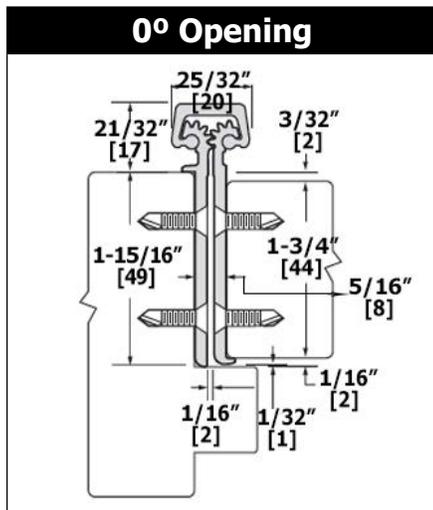
Hospital Tip
TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.



(Left hand shown)

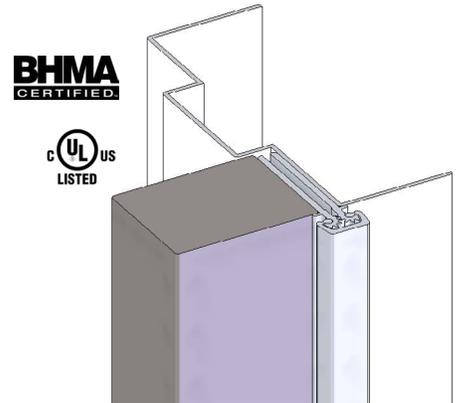


Roton Continuous Hinges

780 SERIES - Concealed | 780-226HD - Heavy, Lead Lined*

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	5/16" (8 mm) hinge side plus standard lock side clearance
Door Thickness:	2" or Thicker
Frame Leaf:	1-15/16"
Door Leaf:	1-15/16"
Fasteners:	Heavy Duty: Drill Quick #12-24 x 11/16" Flat Head Screws Lead Lined: Half Drill Quick and Half Wood Screws #12-24 x 11/16" Flat Head Screws #12-24 x 1-1/2" Flat Head Screws Additional options sold separately
LL Fasteners:	Lead Line option available on Heavy Duty only
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	Up to 3-hour metal and 90 minute wood composite (with studs) For more information, see fire rating details section



Electrical Modifications:

- Power Transfer Preparation (EPT 2) or (EPT 10)
- Exposed Electric Contacts (E)
- Exposed Electric Switches (E1S)
- Electric Through-Wire (ETW)
- Electric Monitoring (EMN)
- Electric Through-Wire and Monitoring (ETM)
- Removable Electric Through-Wire (RETW)

FEATURES

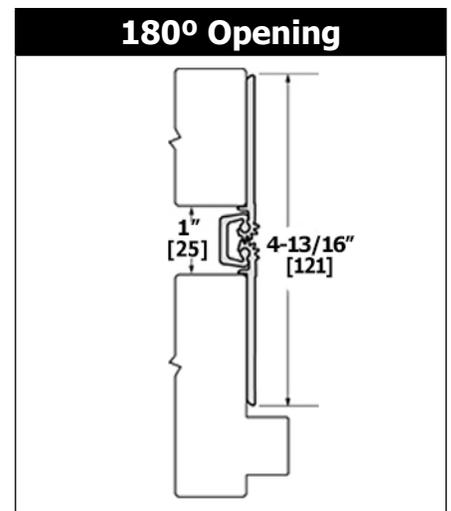
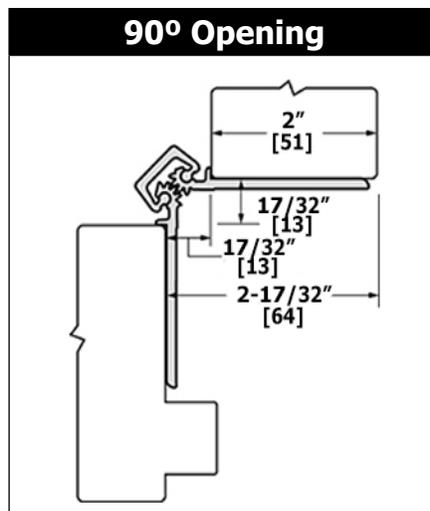
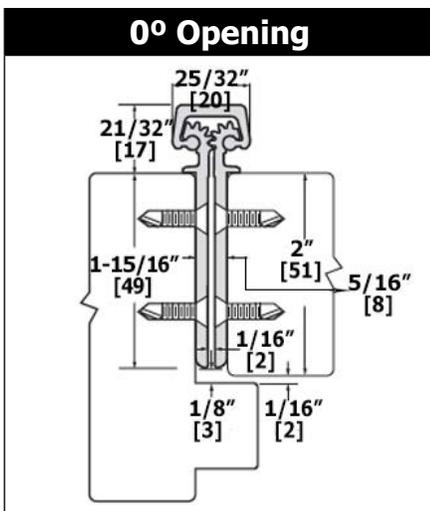
- Heavy duty for high frequency doors or heavy, medium frequency doors. All for doors 2" (51 mm) thick or greater.
- Lead lined model for hospital x-ray room doors with double row of screws to straddle lead (Specify LL)
- Frame and door leaf alignment ribs for proper hinge and door location

ADD ONS

Hospital Tip
TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

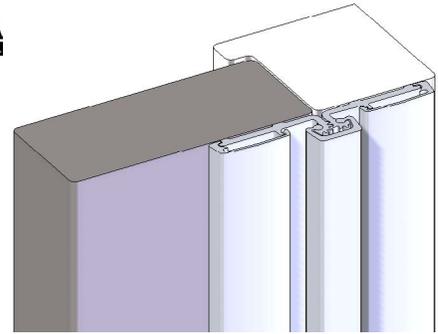


Roton Continuous Hinges

780 SERIES - Full Surface | 780-057HD - Heavy Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6	 
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized	
Clearance:	1/32" (1 mm) minimum recommended between doors	
Door Thickness:	1-3/8" to 2-1/4"	
Frame Leaf:	1-13/16"	
Door Leaf:	1-13/16"	
Fasteners:	Half Sexbolt and Half Drill Quick Pan Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Pan Head Screws Additional options sold separately	
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths	
Door/Frame Reinforcement:	None required	
Fire Rating:	Up to 3-hour metal and 90 minute wood composite (with studs) For more information, see fire rating details section	
Electrical Modifications:	ETW & RETW available.	



FEATURES

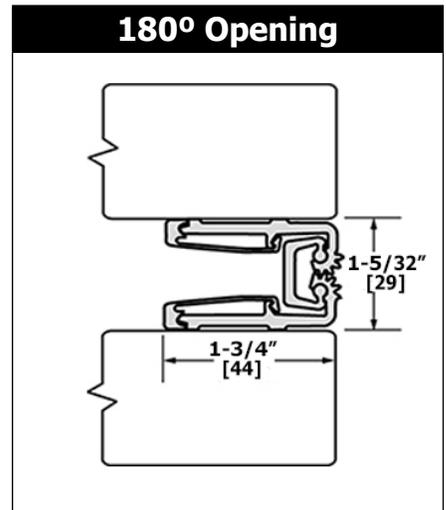
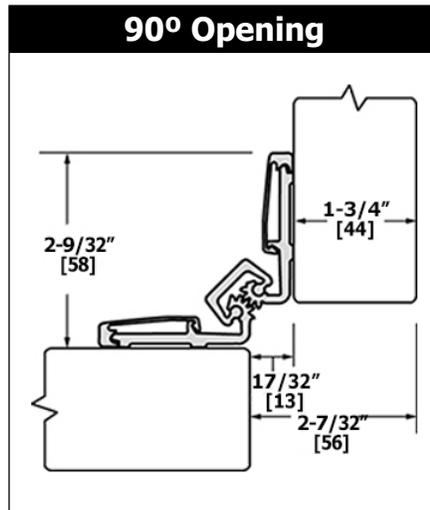
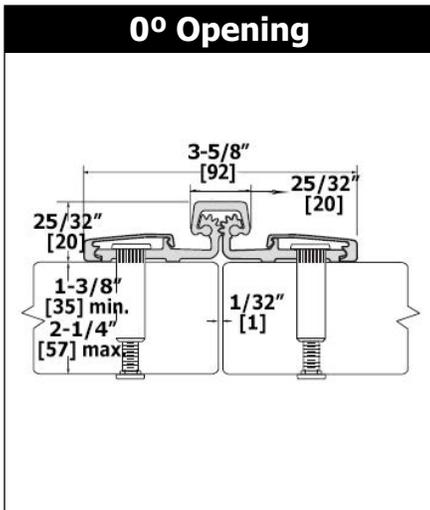
- Heavy duty for high frequency doors or heavy, medium frequency doors
- Bi-fold applications
- Security moldings

ADD ONS

Hospital Tip

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

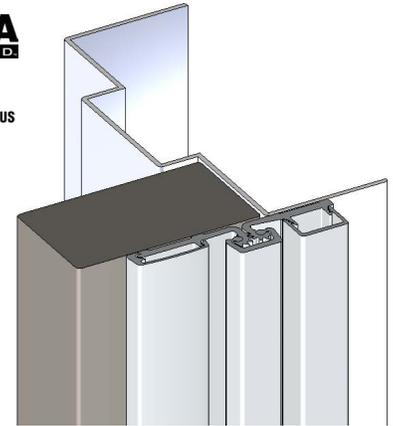


Roton Continuous Hinges

780 SERIES - Full Surface | 780-157 - Standard Duty, Heavy Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	1/32" (1 mm) minimum recommended for hinge side plus standard lock side clearance
Door Thickness:	Up to 1-3/4"
Frame Leaf:	7/8"
Door Leaf:	2-13/32"
Fasteners:	Half Sexbolt and Half Drill Quick Pan Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Pan Head Screws Additional options sold separately
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	Up to 3-hour metal and 90 minute wood composite (with studs) For more information, see fire rating details section
Electrical Modifications:	ETW & RETW available.



(Left hand shown)

FEATURES

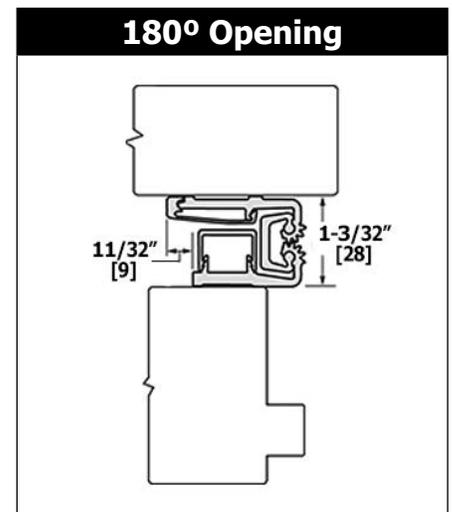
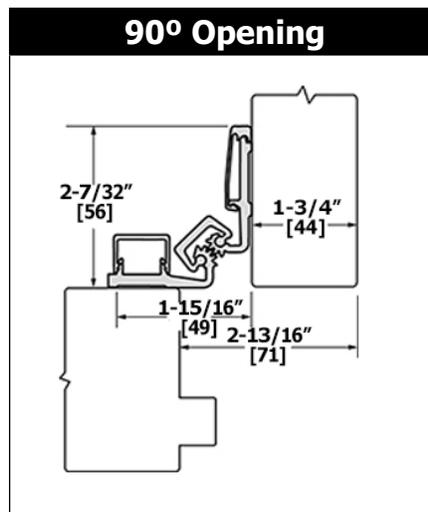
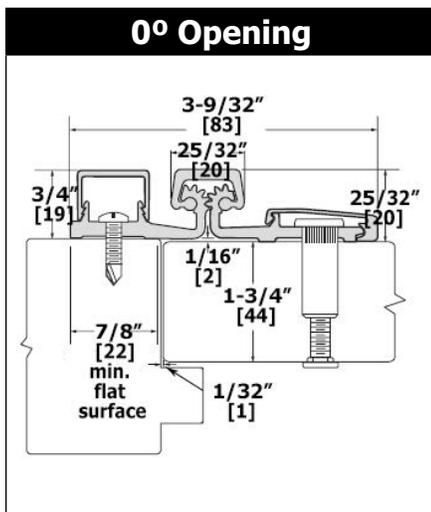
- Standard duty for medium frequency doors. Heavy duty for high frequency doors or heavy, medium frequency doors.
- For surface applications where frame face dimension is limited
- Security moldings
- 1/16" (1.5 mm) inset
- Frame Face Dimension Limitations

ADD ONS

Hospital Tip
TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

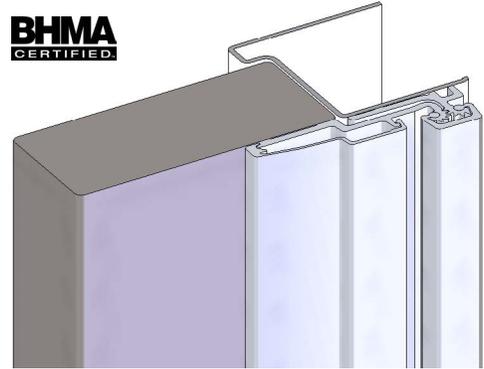


Roton Continuous Hinges

780 SERIES - Full Surface | 780-210 - Standard Duty, Heavy Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish:	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodize
Clearance:	1/32" (1 mm) minimum recommended for hinge side plus standard lock side clearance. 1-5/8" (41 mm) minimum frame face required plus 3/16" (5 mm) rotational clearance
Door Thickness:	Up to 1-3/4"
Frame Leaf:	1-5/8"
Door Leaf:	1-13/32"
Fasteners:	Half Sexbolt and Half Drill Quick Flat Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Flat Head Screws #12-24 x 11/16" Pan Head Screws (for install) Additional options sold separately
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	Up to 3-hour metal and 90 minute wood composite (with studs) For more information, see fire rating details section"
Electrical Modifications:	None



(Left hand shown)

FEATURES

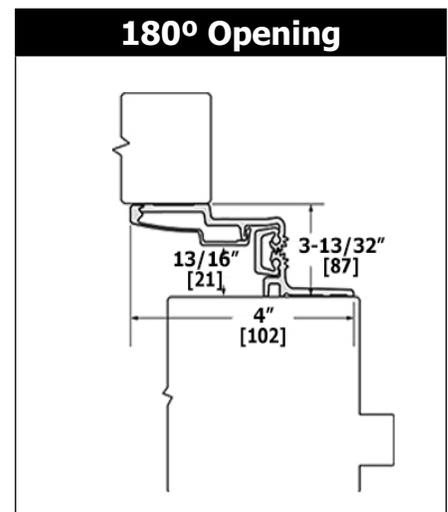
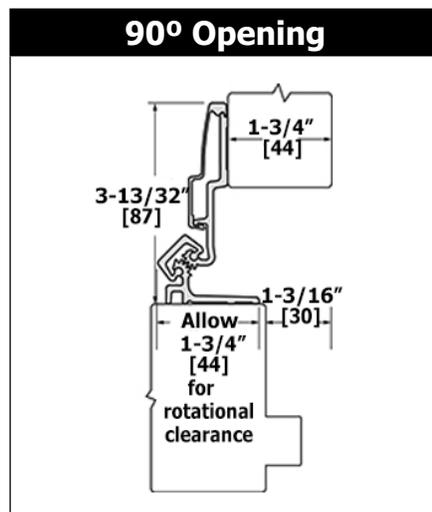
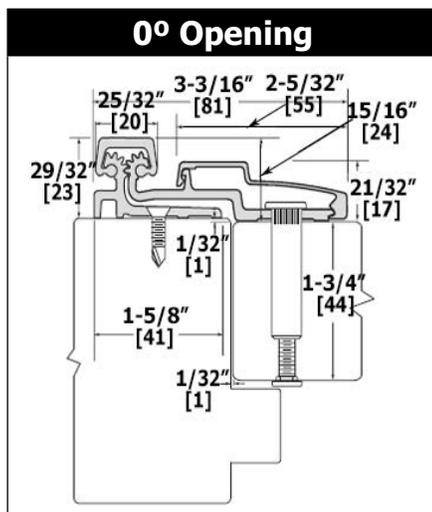
- Standard duty for medium frequency doors. Heavy duty for high frequency doors or heavy, medium frequency doors.
- Can be used with any door and frame material
- Security molding
- 1/32" (1 mm) inset
- Replacement Moldings:
 - 780-210M
 - Replacement door leaf molding for 780-210 furnished with Allen head set screw and wrench
 - Shipped in standard lengths for trimming in the field

ADD ONS

Hospital Tip
TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

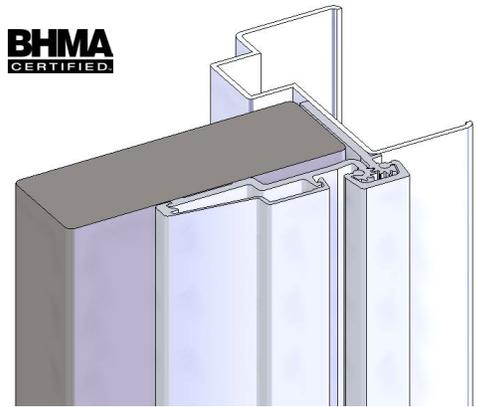


Roton Continuous Hinges

780 SERIES - Half Surface | 780-045HD - Heavy Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	5/32" (4 mm) minimum recommended hinge side plus standard lock side clearance
Door Thickness:	Up to 1-3/4"
Frame Leaf:	1-9/16"
Door Leaf:	3-1/32"
Fasteners:	Half Sexbolt and Half Drill Quick Flat Head 1/4-20x1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Flat Head Screws #12-24 x 11/16" Pan Head Screws (for install) Additional options sold separately
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200lbs., heavier weight use 16-gauge channel
Fire Rating:	Up to 3-hour metal and 90 minute wood composite (with studs) For more information, see fire rating details section
Electrical Modifications:	Power Transfer Preparation (EPT 2) or (EPT 10)



(Left hand shown)

FEATURES

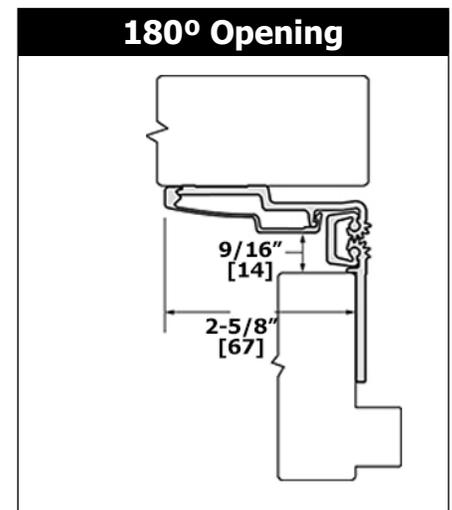
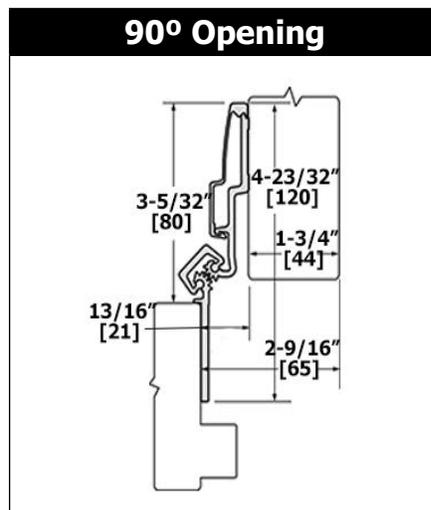
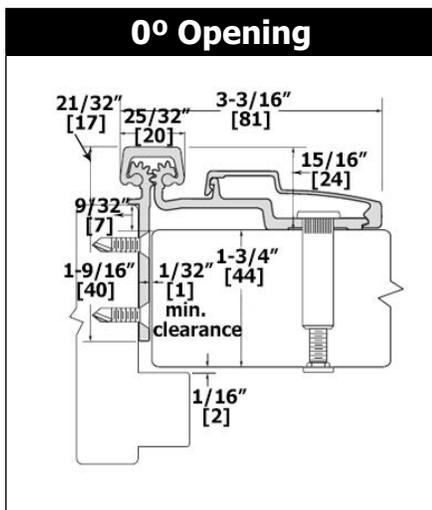
- Heavy duty for high frequency doors or heavy, medium frequency doors
- Frame leaf alignment rib for proper hinge location
- Security molding
- 9/32" (7 mm) inset

ADD ONS

TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

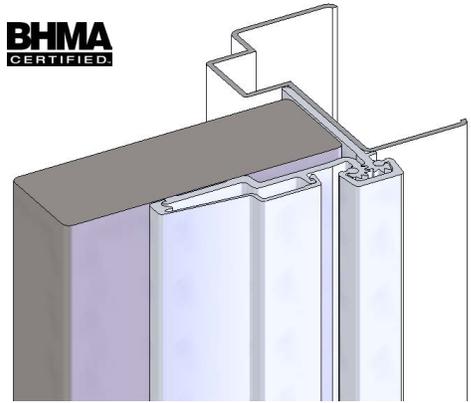


Roton Continuous Hinges

780 SERIES - Half Surface | 780-046HD - Heavy Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	5/32" (4 mm) minimum recommended hinge side plus standard lock side clearance
Door Thickness:	Up to 1-3/4"
Frame Leaf:	1.925
Door Leaf:	3-1/32"
Fasteners:	Half Sexbolt and Half Drill Quick Flat Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Flat Head Screws #12-24 x 11/16" Pan Head Screws (for install) Additional options sold separately
LL Fasteners:	
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	Up to 3-hour metal and 90 minute wood composite (with studs) For more information, see fire rating details section
Electrical Modifications:	Power Transfer Preparation (EPT 2) or (EPT 10)



FEATURES

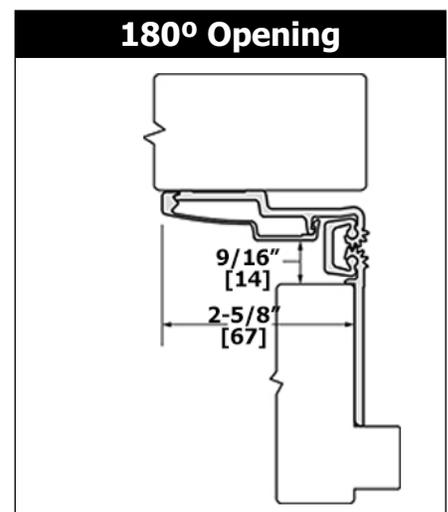
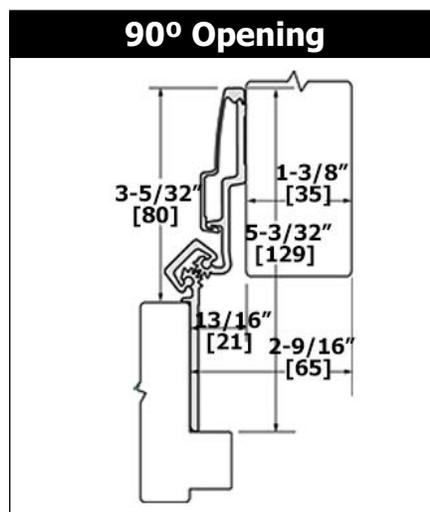
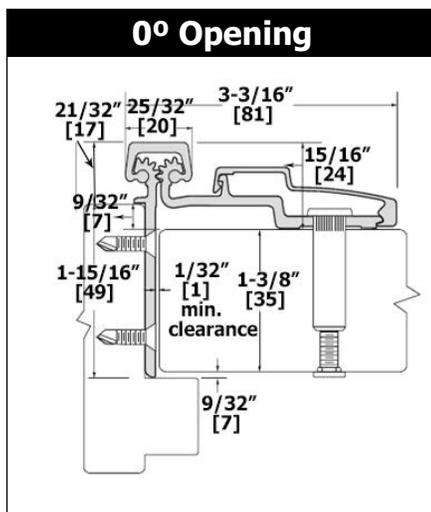
- Heavy duty for high frequency doors or heavy, medium frequency doors
- Complete frame rabbet coverage for 1-3/4" (45 mm) frames, with 1-3/8" (35 mm) doors
- Frame leaf alignment rib for proper hinge location
- Security molding
- 9/32" (7 mm) inset

ADD ONS

TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

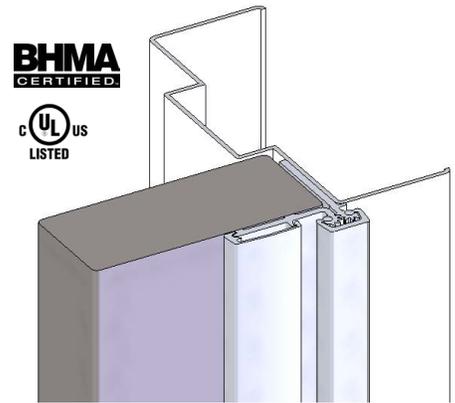


Roton Continuous Hinges

780 SERIES - Half Surface | 780-053 - Standard Duty, Heavy Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	5/32" (4 mm) minimum recommended hinge side plus standard lock side clearance
Door Thickness:	Up to 1-3/4"
Frame Leaf:	1-9/16"
Door Leaf:	2-1/32"
Fasteners:	Half Sexbolt and Half Drill Quick Flat Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Flat Head Screws #12-24 x 11/16" Pan Head Screws (for install) Additional options sold separately
LL Fasteners:	
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	Up to 3-hour metal and 90 minute wood composite (with studs) For more information, see fire rating details section"



Electrical Modifications: Power Transfer Preparation (EPT 2) or (EPT 10)

FEATURES

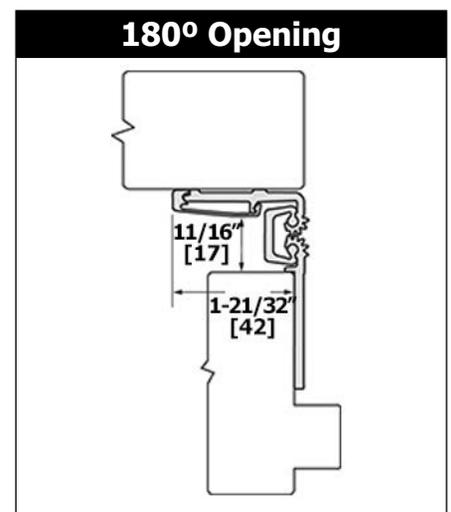
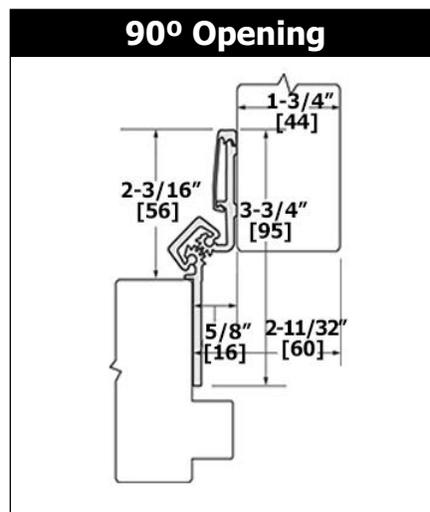
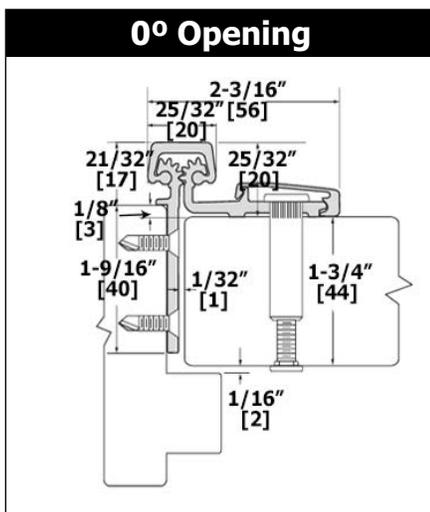
- Standard duty for medium frequency doors. Heavy duty for high frequency doors or heavy, medium frequency doors
- Frame leaf alignment rib for proper hinge location
- Security molding
- 1/8" (3 mm) inset

ADD ONS

TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

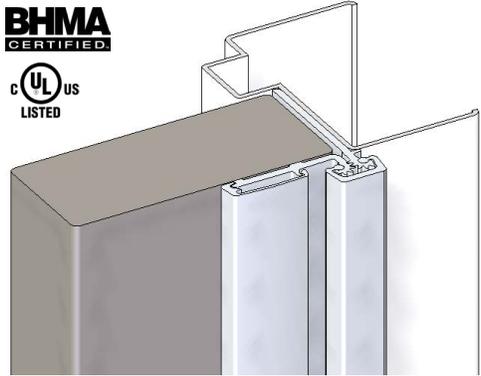


Roton Continuous Hinges

780 SERIES - Half Surface | 780-054HD - Heavy Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	5/32" (4 mm) minimum recommended hinge side plus standard lock side clearance
Door Thickness:	Up to 1-3/4"
Frame Leaf:	1.925
Door Leaf:	2-1/32"
Fasteners:	Half Sexbolt and Half Drill Quick Flat Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Flat Head Screws #12-24 x 11/16" Pan Head Screws (for install) Additional options sold separately
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	Up to 3-hour metal and 90 minute wood composite (with studs) For more information, see fire rating details section"
Electrical Modifications:	Power Transfer Preparation (EPT 2) or (EPT 10)



FEATURES

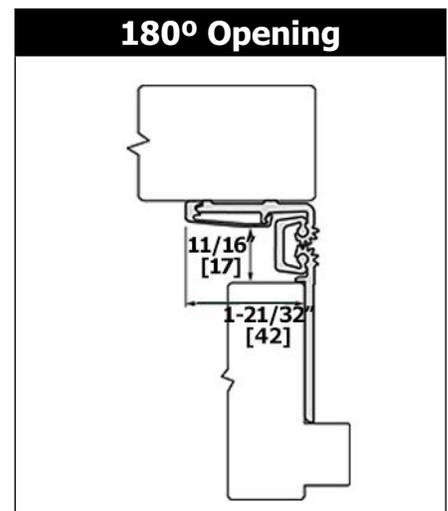
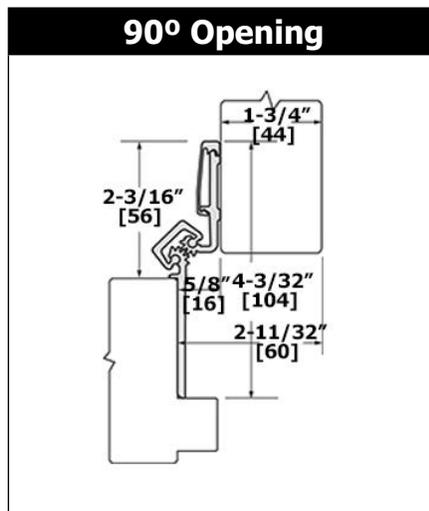
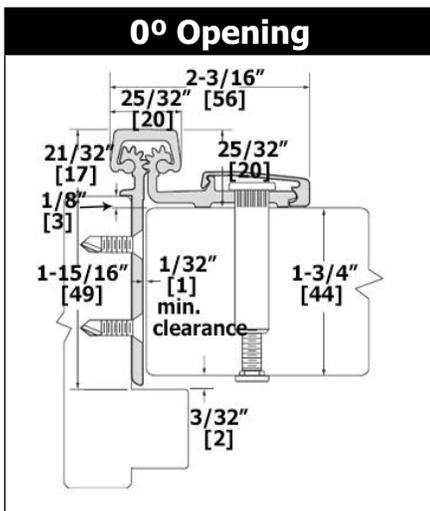
- Heavy duty for high frequency doors or heavy, medium frequency doors
- Frame leaf alignment rib for proper hinge location
- Security molding
- 1/8" (3 mm) inset

ADD ONS

TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

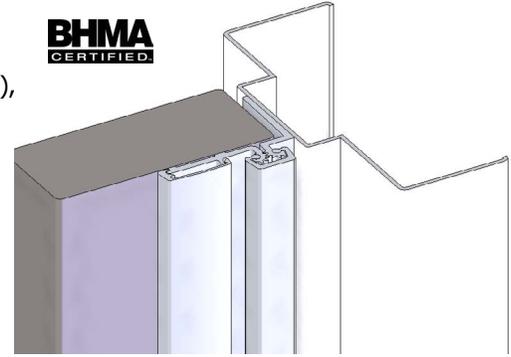


Roton Continuous Hinges

780 SERIES - Half Surface | 780-155HD - Heavy Duty

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	5/32" (4 mm) minimum recommended hinge side plus standard lock side clearance
Door Thickness:	Up to 1-3/4"
Frame Leaf:	1-1/2"
Door Leaf:	2-15/16"
Fasteners:	Half Sexbolt and Half Drill Quick Flat Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Flat Head Screws #12-24 x 11/16" Pan Head Screws (for install) Additional options sold separately
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	None required to 200 lbs., heavier weight use 16-gauge channel
Fire Rating:	Up to 3-hour metal and 90 minute wood composite (with studs) For more information, see fire rating details section
Electrical Modifications:	None



FEATURES

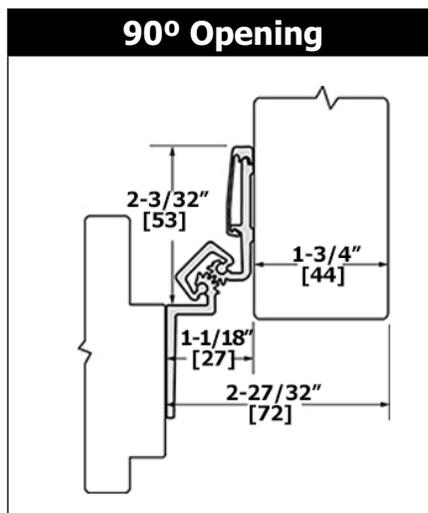
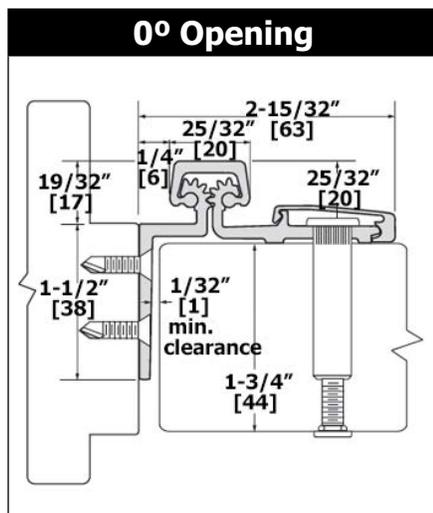
- Heavy duty for high frequency doors or heavy, medium frequency doors
- For center hung and double egress conversions
- Security molding
- Center Hung and Double Egress Conversions

ADD ONS

TIPIT® (see Roton® accessories)

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

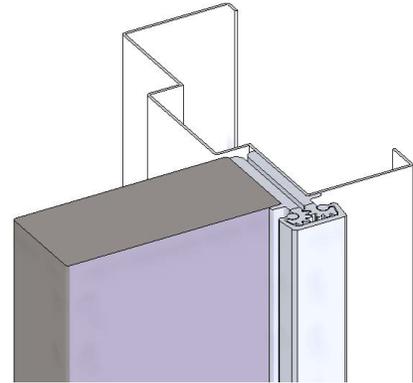


Roton Continuous Hinges

1200 SERIES - Concealed | 1200-600XHD - Extra Heavy Duty, Lead Lined

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28) dark bronze anodized
Clearance:	15/32" (12 mm) hinge side plus standard lock side clear.
Door Thickness:	1-3/4" to 2-3/8" thick.
Frame Leaf:	1-11/16"
Door Leaf:	1-11/16"
Fasteners:	Drill Quick 1/4" - 20 x 1" Undercut Flat Phillips Head Screw Additional options sold separately
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	For doors up to 200 lbs. Use 1/8" reinforcement for doors greater than 200 lbs.
Electrical Modifications:	Power Transfer Preparation (EPT 2) or (EPT 10) Electric Through-Wire (ETW)



FEATURES

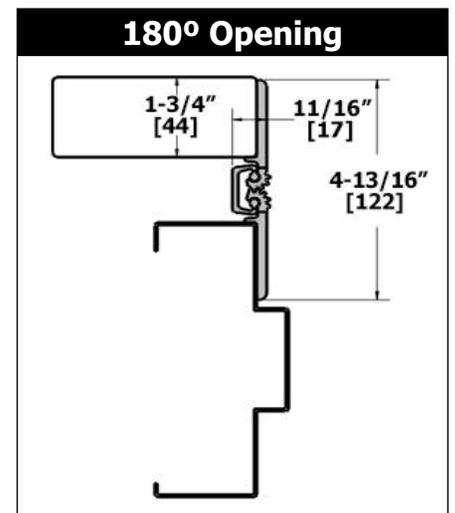
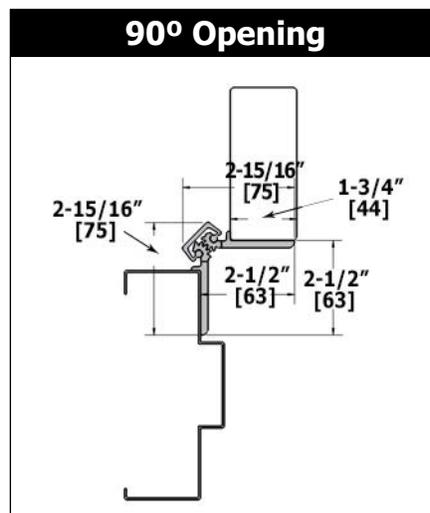
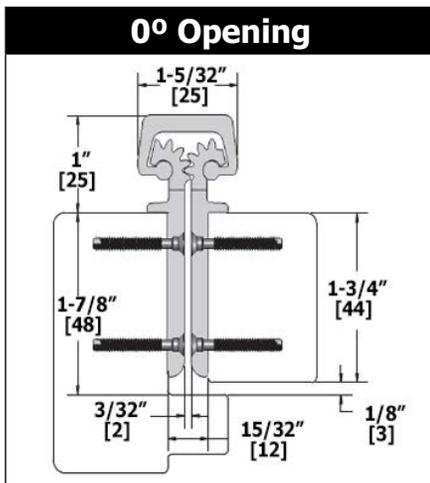
- Strong enough to swing doors heavier than 600 lbs., wider than 4 feet, and taller than 10 feet. Extra heavy duty for heavy, high frequency doors or extremely heavy, low frequency doors; for doors
- 1-3/4" (45 mm) to 2-3/8" (60 mm) thick.
- Lead lined model for hospital x-ray room doors with double row of screws to straddle lead (Specify LL)
- Frame and door leaf alignment ribs for proper hinges and door location

ADD ONS

None

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.

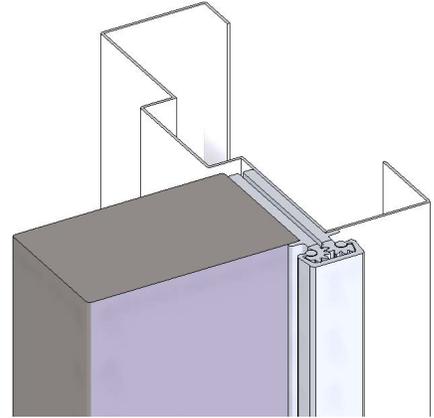


Roton Continuous Hinges

1200 SERIES - Concealed | 1200-650XHD - Extra Heavy Duty, Lead Lined

SPECIFICATIONS

Material:	Aluminum 6063-T6
Finish	Satin etched, clear anodized aluminum (similar to US28), dark bronze anodized
Clearance:	15/32" (12 mm) hinge side plus standard lock side clearance
Door Thickness:	2-3/8" thick or thicker.
Frame Leaf:	2.362
Door Leaf:	2.362
Fasteners:	Drill Quick 1/4" - 20 x 1" Undercut Flat Phillips Head Screw Additional options sold separately
Length Options:	79", 83", 85", 95", 119" *Contact for Non-Standard Lengths
Door/Frame Reinforcement:	For doors up to 200 lbs. Use 1/8" reinforcement for doors greater than 200 lbs.
Electrical Modifications:	Power Transfer Preparation (EPT 2) or (EPT 10) Electric Through-Wire (ETW)



FEATURES

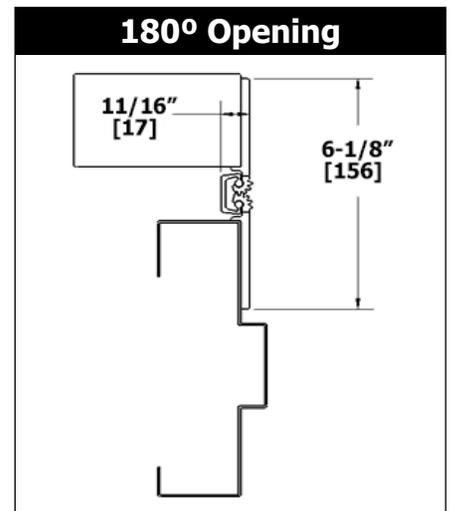
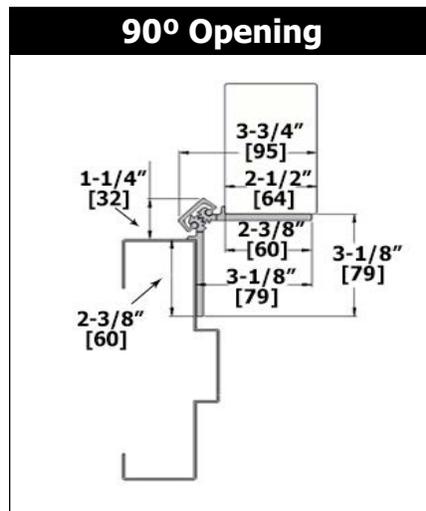
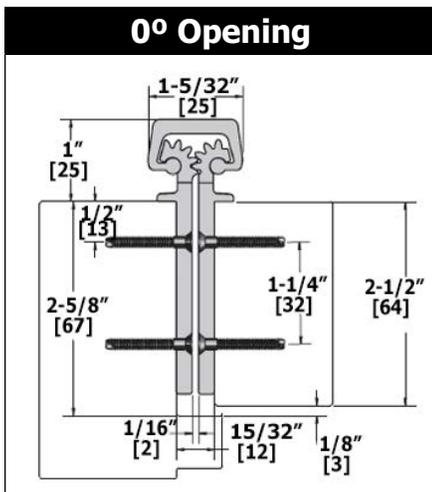
- Strong enough to swing doors heavier than 600 lbs., wider than 4 feet, and taller than 10 feet. Extra heavy duty for heavy, high frequency doors or extremely heavy, low frequency doors; for doors thicker than 2-3/8" (60 mm).
- Lead lined model for hospital x-ray room doors with double row of screws to straddle lead (Specify LL)
- Frame and door leaf alignment ribs for proper hinges and door location

ADD ONS

None

WARRANTY

All Roton® products have a lifetime warranty. When ordering electric Roton®, the electric portion of the hinge has a one-year warranty.



Roton Continuous Hinges

MODIFICATION ADDERS

Variable	Size	Finish	Price
Short Hinges			\$29.44
Non Standard Length			\$35.00
Bearing At Top			\$54.78
780 Series Concealed Molded Hospital Tip			\$161.70
TIPIT®	Concealed		\$76.56
	Full Surface	Grey	\$194.04
		Black	\$194.04
Tamper Resistant Hinge			\$189.82
Dutch Door Prep			\$112.40
Bearing Replacement Kit	Standard Duty for 780 Series	Clear	\$57.62
		Dark Bronze	\$57.62
		Black	\$57.62
	Heavy Duty for 780 Series	Clear	\$109.69
		Dark Bronze	\$109.69
		Black	\$109.69
	Extra Heavy Duty for 1200 Series	Clear	\$218.00
		Dark Bronze	\$218.00
		Black	\$218.00
Center Punches			\$12.87
Shim Stock (each)	1/16" x 1-1/2" Wide x 7' Long		\$44.35
	1/8" x 1-1/2" Wide x 7' Long		\$61.84
	Larger Sizes		POA
Shipping Carton			\$30.95
Custom Hole Pattern			POA
Mortar Box - 430			POA



Roton Continuous Hinges

MODIFICATION ADDERS

Variable	Size	Finish	Price
780-052M	79", 83", 85"	Clear	\$50.95
		Dark Bronze	\$58.87
		Black	\$58.87
	95"	Clear	\$58.87
		Dark Bronze	\$70.29
		Black	\$70.29
	119"	Clear	\$70.29
		Dark Bronze	\$81.58
		Black	\$81.58
780-210M	79", 83", 85"	Clear	\$53.59
		Dark Bronze	\$66.26
		Black	\$66.26
	95"	Clear	\$66.26
		Dark Bronze	\$77.62
		Black	\$77.62
	119"	Clear	\$77.62
		Dark Bronze	\$87.71
		Black	\$87.71
780-247M	79", 83", 85"	Clear	\$45.54
		Dark Bronze	\$53.59
		Black	\$53.59
	95"	Clear	\$53.59
		Dark Bronze	\$66.26
		Black	\$66.26
	119"	Clear	\$66.26
		Dark Bronze	\$77.62
		Black	\$77.62



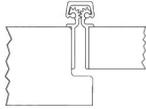
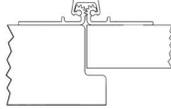
Roton Continuous Hinges

MODIFICATION ADDERS

Variable	Size	Finish	Price
Quick Connect			\$63.23
Concealed Electric Monitoring (EMN)			\$354.29
Concealed Electric Through- Wire and Monitoring (ETM)	ETM-4		\$707.13
	ETM-8		\$820.78
	ETM-10		\$874.17
Concealed Electric Through-Wire (ETW)	ETW-4		\$354.29
	ETW-8		\$461.21
	ETW-10		\$525.36
	ETW-12		\$587.93
Power Transfer or Electric Power Transfer Preparation (EPT)	Concealed Leaf		\$137.81
	Half Surface		\$83.03
Lead Wire for Concealed Electric Hinges - Electric Preparation (per foot)	4-wire hinge		\$12.21
	8-wire hinge		\$22.18
	10-wire hinge		\$25.15
Exposed Electric Switches (E1S)			\$123.82
Exposed Electric Contacts (E)			\$123.82
Removable Electric Through-Wire (RETW) Twelve Wire			\$859.91
Removable 12 Wire Module Only	7-102-1870	Clear	\$350.66
	7-112-1872	Dark Bronze	\$350.66
	7-112-1881	Black	\$350.66
Removable Electric Through-Wire (RETW) Ten Wire			\$859.91
Removable 12 Wire Module Only	7-102-1870	Clear	\$350.66
	7-112-1872	Dark Bronze	\$350.66
	7-112-1881	Black	\$350.66

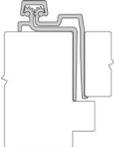
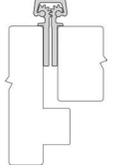


Roton Continuous Hinges

		500-048	500-220
			
Light Duty	Application	Concealed	Full Surface
	Standard Screws	Truss 8 - 18 X 3/4" Phillips Head Screw	Truss 8 - 18 X 3/4" Phillips Head Screw
	Door Thickness	1-1/6" Nominal Leaf Thickness	1-1/6" Nominal Leaf Thickness
	Frame Leaf	3/4"	1-5/32"
	Door Leaf	3/4"	1-5/32"
	Additional Notes		
24" (610 mm)	Clear	\$101.38	\$101.38
	Dark Bronze	\$135.09	\$134.05
	Case Qty	1	1
36" (914 mm)	Clear	\$114.84	\$118.27
	Dark Bronze	\$152.04	\$152.04
	Case Qty	1	1
48" (1219 mm)	Clear	\$134.05	\$135.09
	Dark Bronze	\$168.85	\$168.85
	Case Qty	1	1
72" (1829 mm)	Clear	\$168.85	\$168.85
	Dark Bronze	\$202.62	\$202.62
	Case Qty	1	1

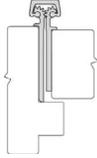
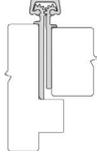
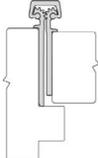


Roton Continuous Hinges

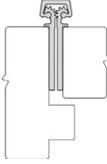
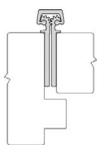
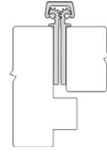
		780-041HD	780-110HD
		 	 
Concealed Leaf Continuous	Duty	Heavy Duty	Heavy Duty
	Standard Screws	Drill Quick #12-24 x 11/16" Flat Head Screws	Drill Quick #12-24 x 11/16" Flat Head Screws
	Door Thickness	1-3/4" Door Swing Clear Action	1" to 1-3/8" door
	Frame Leaf	1-15/16"	29/32"
	Door Leaf	1-3/4"	29/32"
	Additional Notes		
79" (2007 mm)	Clear	\$497.50	\$287.19
	Dark Bronze	\$660.32	\$371.07
	Black	\$759.43	\$426.67
	Case Qty	6	6
83" (2108 mm)	Clear	\$497.50	\$287.19
	Dark Bronze	\$660.32	\$371.07
	Black	\$759.43	\$426.67
	Case Qty	6	8
85" (2159 mm)	Clear	\$497.50	\$287.19
	Dark Bronze	\$660.32	\$371.07
	Black	\$759.43	\$426.67
	Case Qty	6	8
95" (2413 mm)	Clear	\$616.66	\$345.12
	Dark Bronze	\$812.28	\$447.26
	Black	\$934.06	\$514.38
	Case Qty	6	8
119" (3023 mm)	Clear	\$920.46	\$546.64
	Dark Bronze	\$1,210.67	\$717.84
	Black	\$1,392.29	\$825.60
	Case Qty	2	7
*Heavy Duty Profile Only			



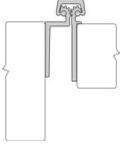
Roton Continuous Hinges

		780-111	780-111HD	780-111LL	
Concealed Leaf Continuous Hinge					
		Duty	Heavy Duty	Heavy Duty	Lead Lined*
		Standard Screws	Drill Quick #12-24 x 11/16" Flat Head Screws	Drill Quick #12-24 x 11/16" Flat Head Screws	Half Drill Quick and Half Wood Screws #12-24 x 11/16" Flat Head Screws #12-24 x 1-1/2" Flat Head Screws
		Door Thickness	1-3/4"	1-3/4"	1-3/4"
		Frame Leaf	1-15/16"	1-15/16"	1-15/16"
		Door Leaf	1-9/16"	1-9/16"	1-9/16"
		Additional Notes			
79" (2007 mm)	Clear	\$224.32	\$287.19	\$302.02	
	Dark Bronze	\$289.80	\$371.07	\$383.83	
	Black	\$333.25	\$426.67	\$441.49	
	Case Qty	6	6	6	
83" (2108 mm)	Clear	\$224.32	\$287.19	\$302.02	
	Dark Bronze	\$289.80	\$371.07	\$383.83	
	Black	\$333.25	\$426.67	\$441.49	
	Case Qty	8	8	8	
85" (2159 mm)	Clear	-	\$287.19	\$302.02	
	Dark Bronze	-	\$371.07	\$383.83	
	Black	-	\$426.67	\$441.49	
	Case Qty	-	8	8	
95" (2413 mm)	Clear	\$273.32	\$345.12	\$358.99	
	Dark Bronze	\$355.42	\$447.26	\$457.41	
	Black	\$408.68	\$514.38	\$526.05	
	Case Qty	8	8	8	
119" (3023 mm)	Clear	-	\$546.64	\$555.98	
	Dark Bronze	-	\$717.84	\$725.11	
	Black	-	\$825.60	\$833.98	
	Case Qty	-	7	7	
*Heavy Duty Profile Only					

Roton Continuous Hinges

		780-112	780-112HD	780-112LL
Concealed Leaf Continuous Hinge	Duty	 	 	
	Standard Screws	Standard Duty Drill Quick #12-24 x 11/16" Flat Head Screws	Standard Duty Drill Quick #12-24 x 11/16" Flat Head Screws	Lead Lined* Half Drill Quick and Half Wood Screws #12-24 x 11/16" Flat Head Screws #12-24 x 1-1/2" Flat Head Screws
	Door Thickness	1-3/4"	1-3/4"	1-3/4"
	Frame Leaf	1-9/16"	1-9/16"	1-9/16"
	Door Leaf	1-9/16"	1-9/16"	1-9/16"
	Additional Notes			
79" (2007 mm)	Clear	\$188.90	\$234.61	\$258.77
	Dark Bronze	\$243.94	\$303.12	\$366.34
	Black	\$280.60	\$348.56	\$389.05
	Case Qty	6	6	6
83" (2108 mm)	Clear	\$188.90	\$234.61	\$258.77
	Dark Bronze	\$243.94	\$303.12	\$366.34
	Black	\$280.60	\$348.56	\$389.05
	Case Qty	8	8	8
85" (2159 mm)	Clear	-	\$234.61	\$258.77
	Dark Bronze	-	\$303.12	\$366.34
	Black	-	\$348.56	\$389.05
	Case Qty	-	8	8
95" (2413 mm)	Clear	\$231.32	\$282.66	\$314.79
	Dark Bronze	\$304.63	\$372.72	\$403.60
	Black	\$350.33	\$428.58	\$464.83
	Case Qty	7	7	8
119" (3023 mm)	Clear	-	\$454.67	\$502.17
	Dark Bronze	-	\$599.09	\$656.20
	Black	-	\$689.01	\$754.62
	Case Qty	-	7	7
*Heavy Duty Profile Only				

Roton Continuous Hinges

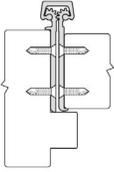
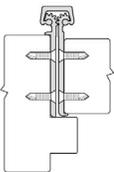
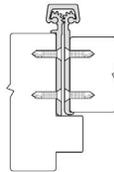
		780-113HD	780-121	780-122HD	
Concealed Leaf Continuous Hinge					
					
		Duty	Heavy Duty	Standard Duty	Heavy Duty
		Standard Screws	Drill Quick #12-24 x 11/16" Flat Head Screws	Drill Quick #12-24 x 11/16" Flat Head Screws	Drill Quick #12-24 x 11/16" Flat Head Screws
		Door Thickness	1-3/4"	1-3/4"	1-3/4"
		Frame Leaf	1-1/2"		1-9/16"
		Door Leaf	1-9/16"		1-3/4"
Additonal Notes	Safety Hinge" When Used Without Frame Stop				
79" (2007 mm)	Clear	\$474.99			
	Dark Bronze	\$638.62			
	Black	\$734.45			
	Case Qty	6	6	6	
83" (2108 mm)	Clear	\$456.72	\$266.55		
	Dark Bronze	\$614.06	\$319.01		
	Black	\$706.20			
	Case Qty	6			
85" (2159 mm)	Clear	\$456.72	\$266.55		
	Dark Bronze	\$614.06	\$319.01		
	Black	\$706.20			
	Case Qty	8			
95" (2413 mm)	Clear	\$748.57	\$300.08		
	Dark Bronze	\$840.58	\$319.09		
	Black	\$966.64	\$319.32		
	Case Qty	6			
119" (3023 mm)	Clear	\$929.02		\$453.92	
	Dark Bronze	\$1,098.11		\$598.12	
	Black	\$1,262.84			
	Case Qty	4			
*Heavy Duty Profile Only					



Roton Continuous Hinges

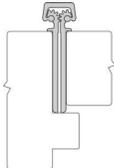
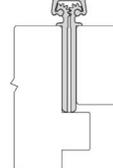
		780-124HD	780-124LL
Concealed Leaf Continuous Hinge	Duty	Heavy Duty	Lead Lined*
	Standard Screws	Drill Quick #12-24 x 11/16" Flat Head Screws	Half Drill Quick and Half Wood Screws #12-24 x 11/16" Flat Head Screws #12-24 x 1-1/2" Flat Head Screws
	Door Thickness	1-3/4"	1-3/4"
	Frame Leaf	1-9/16"	1-9/16"
	Door Leaf	1-3/4"	1-3/4"
	Additional Notes		
79" (2007 mm)	Clear	\$238.45	\$297.01
	Dark Bronze	\$310.52	\$346.63
	Black	\$357.20	\$398.66
	Case Qty	6	6
83" (2108 mm)	Clear	\$238.45	\$297.01
	Dark Bronze	\$310.52	\$346.63
	Black	\$357.20	\$398.66
	Case Qty	8	8
85" (2159 mm)	Clear	\$238.45	\$297.01
	Dark Bronze	\$310.52	\$346.63
	Black	\$357.20	\$398.66
	Case Qty	8	8
95" (2413 mm)	Clear	\$288.42	\$323.02
	Dark Bronze	\$346.63	\$407.59
	Black	\$398.66	\$468.81
	Case Qty	7	7
119" (3023 mm)	Clear	\$468.68	\$513.01
	Dark Bronze	\$614.19	\$665.54
	Black	\$706.31	\$765.34
	Case Qty	7	7
*Heavy Duty Profile Only			

Roton Continuous Hinges

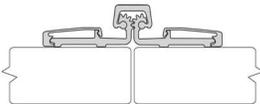
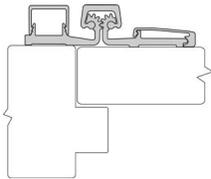
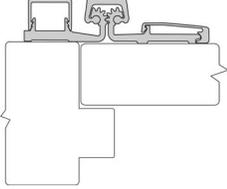
		780-224	780-224HD	780-224LL
Concealed Leaf Continuous Hinge	Duty	 Standard Duty	 Heavy Duty	 Lead Lined*
	Standard Screws	Drill Quick #12-24 x 11/16" Flat Head Screws	Drill Quick #12-24 x 11/16" Flat Head Screws	Half Drill Quick and Half Wood Screws #12-24 x 11/16" Flat Head Screws #12-24 x 1-1/2" Flat Head Screws
	Door Thickness	1-3/4"	1-3/4"	1-3/4"
	Frame Leaf	1-15/16"	1-15/16"	1-15/16"
	Door Leaf	1-3/4"	1-3/4"	1-3/4"
	Additional Notes			
79" (2007 mm)	Clear	\$191.24	\$238.60	\$275.52
	Dark Bronze	\$249.43	\$309.21	\$351.57
	Black	\$286.92	\$356.79	\$404.42
	Case Qty	6	6	6
83" (2108 mm)	Clear	\$191.24	\$238.60	\$275.52
	Dark Bronze	\$249.43	\$297.32	\$351.57
	Black	\$286.92	\$343.07	\$404.42
	Case Qty	7	7	7
85" (2159 mm)	Clear	-	238.60	\$275.52
	Dark Bronze	-	309.21	\$351.57
	Black	-	356.79	\$404.42
	Case Qty	-	7	7
95" (2413 mm)	Clear	\$242.43	\$288.97	\$333.17
	Dark Bronze	\$313.41	\$380.54	\$410.20
	Black	\$360.36	\$437.65	\$471.69
	Case Qty	7	7	7
119" (3023 mm)	Clear	-	\$473.48	\$523.99
	Dark Bronze	-	\$616.39	\$675.42
	Black	-	\$708.92	\$776.73
	Case Qty	-	5	5
*Heavy Duty Profile Only				



Roton Continuous Hinges

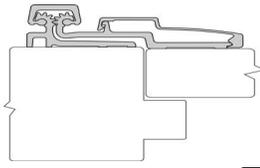
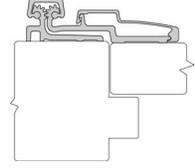
		780-226HD	780-226LL
		 	 
Concealed Leaf Continuous Hinge	Duty	Standard Duty	Lead Lined*
	Standard Screws	Drill Quick #12-24 x 11/16" Flat Head Screws	Half Drill Quick and Half Wood Screws #12-24 x 11/16" Flat Head Screws #12-24 x 1-1/2" Flat Head Screws
	Door Thickness	2" or Thicker	2" or Thicker
	Frame Leaf	1-15/16"	1-15/16"
	Door Leaf	1-15/16"	1-15/16"
	Additional Notes		
79" (2007 mm)	Clear	\$285.41	\$309.30
	Dark Bronze	\$376.42	\$393.99
	Black	\$432.98	\$453.02
	Case Qty	6	6
83" (2108 mm)	Clear	\$285.41	\$309.30
	Dark Bronze	\$376.42	\$393.99
	Black	\$432.98	\$453.02
	Case Qty	7	7
85" (2159 mm)	Clear	\$285.41	\$309.30
	Dark Bronze	\$376.42	\$393.99
	Black	\$432.98	\$453.02
	Case Qty	7	7
95" (2413 mm)	Clear	\$347.32	\$373.82
	Dark Bronze	\$446.58	\$449.18
	Black	\$513.56	\$516.59
	Case Qty	7	7
119" (3023 mm)	Clear	\$564.09	\$587.14
	Dark Bronze	\$732.67	\$756.41
	Black	\$842.48	\$869.94
	Case Qty	5	5
*Heavy Duty Profile Only			

Roton Continuous Hinges

		780-057HD	780-157	780-157HD
Full Surface Continuous Hinge	Duty	 UL LISTED	 UL LISTED	 UL LISTED
		Heavy Duty	Standard Duty	Heavy Duty
	Standard Screws	Half Sexbolt and Half Drill Quick Pan Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Pan Head Screws	Half Sexbolt and Half Drill Quick Pan Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Pan Head Screws	Half Sexbolt and Half Drill Quick Pan Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Pan Head Screws
	Door Thickness	1-3/8" to 2-1/4"	Up to 1-3/4"	Up to 1-3/4"
	Frame Leaf	1-13/16"	7/8"	7/8"
	Door Leaf	1-13/16"	2-13/32"	2-13/32"
	Additional Notes		Frame Face Dimension Limitations	Frame Face Dimension Limitations
79" (2007 mm)	Clear	\$451.65	\$290.48	\$359.94
	Dark Bronze	\$637.80	\$392.35	\$438.88
	Black	\$733.49	\$451.24	\$504.76
	Case Qty	5	5	5
83" (2108 mm)	Clear	\$451.65	\$290.48	\$359.94
	Dark Bronze	\$637.80	\$392.35	\$438.88
	Black	\$733.49	\$451.24	\$504.76
	Case Qty	5	5	5
85" (2159 mm)	Clear	\$451.65	\$-	\$359.94
	Dark Bronze	\$637.80	\$-	\$438.88
	Black	\$733.49	\$-	\$504.76
	Case Qty	5	-	5
95" (2413 mm)	Clear	\$574.25	\$355.14	\$431.88
	Dark Bronze	\$789.63	\$479.24	\$527.29
	Black	\$908.11	\$551.04	\$559.56
	Case Qty	5	5	5
119" (3023 mm)	Clear	\$855.94	\$-	\$715.78
	Dark Bronze	\$1,176.07	\$-	\$933.94
	Black	\$1,352.48	\$-	\$1,071.61
	Case Qty	4	-	2

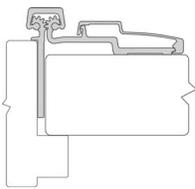
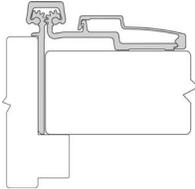
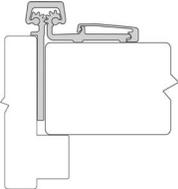


Roton Continuous Hinges

		780-210	780-210HD
			
Full Surface Continuous Hinge	Duty	 	 
		Standard Duty	Heavy Duty
	Standard Screws	Half Sexbolt and Half Drill Quick Flat Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Flat Head Screws #12-24 x 11/16" Pan Head Screws (for install)	Half Sexbolt and Half Drill Quick Flat Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Flat Head Screws #12-24 x 11/16" Pan Head Screws (for install)
	Door Thickness	Up to 1-3/4"	Up to 1-3/4"
	Frame Leaf	1-5/8"	1-5/8"
	Door Leaf	1-13/32"	1-13/32"
	Additional Notes		
79" (2007 mm)	Clear	\$290.48	\$354.45
	Dark Bronze	\$392.35	\$430.92
	Black	\$451.24	\$495.58
	Case Qty	6	6
83" (2108 mm)	Clear	\$290.48	\$354.45
	Dark Bronze	\$392.35	\$430.92
	Black	\$451.24	\$495.58
	Case Qty	6	6
85" (2159 mm)	Clear	-	\$354.45
	Dark Bronze	-	\$430.92
	Black	-	\$495.58
	Case Qty	-	6
95" (2413 mm)	Clear	\$347.59	\$418.43
	Dark Bronze	\$392.35	\$514.80
	Black	\$451.24	\$591.95
	Case Qty	6	6
119" (3023 mm)	Clear	-	\$699.86
	Dark Bronze	-	\$784.42
	Black	-	\$902.06
	Case Qty	-	2

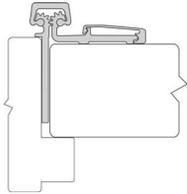
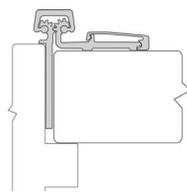
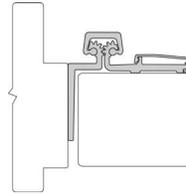


Roton Continuous Hinges

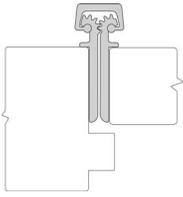
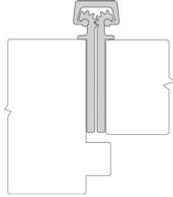
		780-045HD	780-046HD	780-053
Half Surface Continuous Hinge				
				
	Duty	Heavy Duty	Heavy Duty	Standard Duty
	Standard Screws	Half Sexbolt and Half Drill Quick Flat Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Flat Head Screws #12-24 x 11/16" Pan Head Screws (for install)	Half Sexbolt and Half Drill Quick Flat Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Flat Head Screws #12-24 x 11/16" Pan Head Screws (for install)	Half Sexbolt and Half Drill Quick Flat Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Flat Head Screws #12-24 x 11/16" Pan Head Screws (for install)
	Door Thickness	Up to 1-3/4"	Up to 1-3/4"	Up to 1-3/4"
	Frame Leaf	1-9/16"	1.925	1-9/16"
	Door Leaf	3-1/32"	3-1/32"	2-1/32"
	Additional Notes			
79" (2007 mm)	Clear	\$589.98	\$634.92	\$308.61
	Dark Bronze	\$788.54	\$832.87	\$424.33
	Black	\$908.87	\$957.80	\$487.90
	Case Qty	4	4	5
83" (2108 mm)	Clear	\$589.98	\$634.92	\$308.61
	Dark Bronze	\$788.54	\$832.87	\$424.33
	Black	\$908.87	\$957.80	\$487.90
	Case Qty	4	4	5
85" (2159 mm)	Clear	\$589.98	\$634.92	-
	Dark Bronze	\$788.54	\$832.87	-
	Black	\$908.87	\$957.80	-
	Case Qty	4	4	-
95" (2413 mm)	Clear	\$725.11	\$778.51	\$382.32
	Dark Bronze	\$969.88	\$1,035.23	\$517.13
	Black	\$1,115.23	\$1,190.49	\$594.69
	Case Qty	4	4	5
119" (3023 mm)	Clear	\$1,080.26	\$1,163.03	-
	Dark Bronze	\$1,442.81	\$1,541.24	-
	Black	\$1,659.30	\$1,772.42	-
	Case Qty	2	2	-



Roton Continuous Hinges

		780-053HD	780-054HD	780-155HD
Half Surface Continuous Hinge				
				
	Duty	Heavy Duty	Heavy Duty	Heavy Duty
	Standard Screws	Half Sexbolt and Half Drill Quick Flat Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Flat Head Screws #12-24 x 11/16" Pan Head Screws (for install)	Half Sexbolt and Half Drill Quick Flat Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Flat Head Screws #12-24 x 11/16" Pan Head Screws (for install)	Half Sexbolt and Half Drill Quick Flat Head 1/4-20 x 1-1/4" Sexbolt (fastener + Post) #12-24 X 11/16" Flat Head Screws #12-24 x 11/16" Pan Head Screws (for install)
	Door Thickness	Up to 1-3/4"	Up to 1-3/4"	Up to 1-3/4"
	Frame Leaf	1-9/16"	1.925	1-1/2"
	Door Leaf	2-1/32"	2-1/32"	2-15/16"
	Additional Notes			Center Hung and Double Egress Conversions
79" (2007 mm)	Clear	\$387.13	\$422.82	\$498.88
	Dark Bronze	\$485.56	\$520.02	\$671.72
	Black	\$558.46	\$597.99	\$772.62
	Case Qty	5	5	5
83" (2108 mm)	Clear	\$387.13	\$422.82	\$498.88
	Dark Bronze	\$485.56	\$520.02	\$671.72
	Black	\$558.46	\$597.99	\$772.62
	Case Qty	5	5	5
85" (2159 mm)	Clear	\$387.13	\$422.82	\$498.88
	Dark Bronze	\$485.56	\$520.02	\$671.72
	Black	\$558.46	\$597.99	\$772.62
	Case Qty	5	5	5
95" (2413 mm)	Clear	\$480.34	\$522.77	\$612.13
	Dark Bronze	\$581.93	\$618.45	\$828.21
	Black	\$669.24	\$711.11	\$952.45
	Case Qty	5	5	2
119" (3023 mm)	Clear	\$735.27	\$762.59	\$910.99
	Dark Bronze	\$981.55	\$1,037.97	\$1,231.27
	Black	\$1,128.86	\$1,193.05	\$1,415.91
	Case Qty	3	3	2

Roton Continuous Hinges

		1200-600XHD	1200-650XHD	
				
Concealed Leaf	Duty	Extra Heavy Duty	Extra Heavy Duty	
	Standard Screws	Drill Quick 1/4" - 20 x 1" Undercut Flat Phillips Head Screw	Drill Quick 1/4" - 20 x 1" Undercut Flat Phillips Head Screw	
	Door Thickness	1-3/4" to 2-3/8" thick.	2-3/8" thick or thicker.	
	Frame Leaf	1-11/16"	2.362	
	Door Leaf	1-11/16"	2.362	
	Additional Notes			
	83" (2108 mm)	Clear	\$1,437.32	\$1,916.43
		Dark Bronze	\$2,011.15	\$2,490.26
Black				
Case Qty		1	1	
95" (2413 mm)	Clear	\$1,628.48	\$2,107.25	
	Dark Bronze	\$2,203.34	\$2,682.45	
	Black			
	Case Qty	1	1	
119" (3023 mm)	Clear	\$1,820.33	\$2,299.44	
	Dark Bronze	\$2,394.15	\$2,873.27	
	Black			
	Case Qty	1	1	



Roton Continuous Hinges - Item Numbers

Series	Product name	Item number
500-048	500-048 36" CLR 1PK	068521
	500-048 48" CLR 1PK	068520
	500-048 72" CLR 1PK	068509
500-220	500-220 24" CLR 1PK	067944
	500-220 36" CLR 1PK	067940
	500-220 48" CLR 1PK	067939
	500-220 72" CLR 1PK	067938
780-041	780-041 HD FFUL 83" BLA 1PK REV S	196424
	780-041 HD FFUL 83" CLR 1PK REV S	194803
	780-041 HD FFUL 83" DBA 1PK REV S	194920
	780-041 HD FFUL 85" CLR 1PK REV S	194921
	780-041 HD FFUL 95" CLR 1PK REV S	194805
	780-041 HD FFUL 95" DBA 1PK REV S	194924
	780-041 HD FFUL RH 82" CLR 1PK REV S	100305912
	780-041 HD ULST 83" CLR 1PK REV S	103914
780-045	780-045 HD FFUL 79" CLR 1PK REV S	194937
	780-045 HD FFUL 83" CLR 1PK REV S	194938
	780-045 HD FFUL 85" CLR 1PK REV S	194940
	780-045 HD FFUL 95" CLR 1PK REV S	194943
	780-045 HD FFUL LH 36" CLR 1PK REV S	100306229
	780-045 HD FFUL RH 36" CLR 1PK REV S	100306230
780-046	780-046 HD FFUL 79" CLR 1PK REV S	100306532
	780-046 HD FFUL 83" CLR 1PK REV S	194949
	780-046 HD FFUL 83" DBA 1PK REV S	194950
	780-046 HD FFUL 85" CLR 1PK REV S	194951
780-053	780-053 FFUL 79" CLR 1PK REV S	194964
	780-053 FFUL 83" BLA 1PK REV S	135666
	780-053 FFUL 83" CLR 1PK REV S	194991
	780-053 FFUL 83" DBA 1PK REV S	194992
	780-053 FFUL 85" CLR 1PK REV S	199017
	780-053 FFUL 95" CLR 1PK REV S	194993
	780-053 FFUL 95" DBA 1PK REV S	194994
	780-053 HD FFUL 119" BLA 1PK REV S	019515
	780-053 HD FFUL 119" CLR 1PK REV S	195006
	780-053 HD FFUL 79" CLR 1PK REV S	194996
	780-053 HD FFUL 79" DBA 1PK REV S	194997
	780-053 HD FFUL 83" BLA 1PK REV S	063779
	780-053 HD FFUL 83" CLR 1PK REV S	194998
	780-053 HD FFUL 83" CLR BPNS REV S	127225
	780-053 HD FFUL 83" DBA 1PK REV S	194999
	780-053 HD FFUL 85" CLR 1PK REV S	195002
	780-053 HD FFUL 95" BLA 1PK REV S	199831
	780-053 HD FFUL 95" CLR 1PK REV S	195004
	780-053 HD FFUL 95" DBA 1PK REV S	195005
	780-053 HD FFUL LH 87" CLR 1PK REV S	100305767
	780-053 HD FFUL LH 92" CLR 1PK REV S	028055
	780-053 HD FFUL LH 99" CLR 1PK REV S	100305024

Series	Product name	Item number
	780-053 HD FFUL RH 100" CLR 1PK REV S	025622
	780-053 HD FFUL RH 87" CLR 1PK REV S	100305768
	780-053 HD FFUL RH 92" CLR 1PK REV S	028062
	780-053 HD FFUL RH 99" CLR 1PK REV S	100305025
	780-053 HD ULST 83" CLR 1PK REV S	084353
780-054	780-054 HD FFUL 119" CLR 1PK REV S	195058
	780-054 HD FFUL 79" CLR 1PK REV S	195050
	780-054 HD FFUL 79" DBA 1PK REV S	195051
	780-054 HD FFUL 83" BLA 1PK REV S	100304654
	780-054 HD FFUL 83" CLR 1PK REV S	195052
	780-054 HD FFUL 83" DBA 1PK REV S	195053
	780-054 HD FFUL 85" CLR 1PK REV S	195054
	780-054 HD FFUL 95" CLR 1PK REV S	195056
	780-054 HD FFUL 95" DBA 1PK REV S	195057
	780-054 HD FFUL LH 105" CLR 1PK REV S	100304650
	780-054 HD FFUL LH 108" CLR 1PK REV S	017742
	780-054 HD FFUL LH 88" CLR 1PK REV S	100304637
	780-054 HD FFUL LH 92" BLA 1PK REV S	100302603
	780-054 HD FFUL RH 84" CLR 1PK REV S	100304022
	780-054 HD FFUL RH 92" BLA 1PK REV S	100302602
780-057	780-057 HD FFUL 101" CLR 1PK	100305052
	780-057 HD FFUL 112" DBA 1PK	100302867
	780-057 HD FFUL 119" CLR 1PK	088469
	780-057 HD FFUL 69" CLR 1PK	100301680
	780-057 HD FFUL 70" CLR 1PK	100302462
	780-057 HD FFUL 79" CLR 1PK	021238
	780-057 HD FFUL 79" DBA 1PK	017850
	780-057 HD FFUL 83" BLA 1PK	177317
	780-057 HD FFUL 83" CLR 1PK	007856
	780-057 HD FFUL 83" DBA 1PK	025973
	780-057 HD FFUL 84" CLR 1PK	163220
	780-057 HD FFUL 85" CLR 1PK	025846
	780-057 HD FFUL 93" CLR 1PK	047286
	780-057 HD FFUL 95" CLR 1PK	024478
	780-057 HD FFUL 95" DBA 1PK	094331
780-110	780-110 HD 107" CLR 1PK REV S	100305663
	780-110 HD 119" CLR 1PK REV S	112405
	780-110 HD 79" BLA 1PK REV S	024812
	780-110 HD 79" CLR 1PK REV S	100071
	780-110 HD 79" DBA 1PK REV S	196487
	780-110 HD 83" BLA 1PK REV S	084514
	780-110 HD 83" CLR 1PK REV S	110418
	780-110 HD 83" DBA 1PK REV S	111266

Roton Continuous Hinges - Item Numbers

Series	Product name	Item number
	780-110 HD 85" BLA 1PK REV S	100306539
	780-110 HD 85" CLR 1PK REV S	112381
	780-110 HD 85" DBA 1PK REV S	100306297
	780-110 HD 91" CLR 1PK REV S	100300744
	780-110 HD 93" CLR 1PK REV S	146284
	780-110 HD 95" BLA 1PK REV S	090279
	780-110 HD 95" CLR 1PK REV S	112392
	780-110 HD 95" DBA 1PK REV S	112393
780-111	780-111 FFUL 79" CLR 1PK REV S	194809
	780-111 FFUL 83" BLA 1PK REV S	080025
	780-111 FFUL 83" CLR 1PK REV S	184007
	780-111 FFUL 83" DBA 1PK REV S	184008
	780-111 FFUL 95" BLA 1PK REV S	098769
	780-111 FFUL 95" CLR 1PK REV S	184031
	780-111 FFUL 95" DBA 1PK REV S	184048
	780-111 HD FFUL 119" BLA 1PK REV S	113845
	780-111 HD FFUL 119" CLR 1PK REV S	194817
	780-111 HD FFUL 119" DBA 1PK REV S	194819
	780-111 HD FFUL 79" CLR 1PK REV S	183917
	780-111 HD FFUL 83" BLA 1PK REV S	116592
	780-111 HD FFUL 83" CLR 1PK REV S	183924
	780-111 HD FFUL 83" CLR BPNS REV S	094090
	780-111 HD FFUL 83" DBA 1PK REV S	183988
	780-111 HD FFUL 85" BLA 1PK REV S	100304567
	780-111 HD FFUL 85" CLR 1PK REV S	194814
	780-111 HD FFUL 85" DBA 1PK REV S	194815
	780-111 HD FFUL 95" BLA 1PK REV S	109310
	780-111 HD FFUL 95" BLA BPNS REV S	083686
	780-111 HD FFUL 95" CLR 1PK REV S	184025
	780-111 HD FFUL 95" DBA 1PK REV S	194816
	780-111 HD FFUL LH 100" CLR 1PK REV S	100306033
	780-111 HD FFUL LH 107" BLA 1PK REV S	100302553
	780-111 HD FFUL LH 80" CLR 1PK REV S	104575
	780-111 HD FFUL LH 82" CLR 1PK REV S	043205
	780-111 HD FFUL LH 89" BLA 1PK REV S	100304251
	780-111 HD FFUL LH 89" CLR 1PK REV S	011251
	780-111 HD FFUL LH 93" CLR 1PK REV S	106715
	780-111 HD FFUL LH 94" BLA 1PK REV S	100301205
	780-111 HD FFUL LH 94" CLR 1PK REV S	046585
	780-111 HD FFUL LH 97" CLR 1PK REV S	063447
	780-111 HD FFUL RH 100" CLR 1PK REV S	030142
	780-111 HD FFUL RH 101" BLA 1PK REV S	100303542
	780-111 HD FFUL RH 103" DBA 1PK REV S	103867

Series	Product name	Item number
	780-111 HD FFUL RH 107" BLA 1PK REV S	100302554
	780-111 HD FFUL RH 77" CLR 1PK REV S	052201
	780-111 HD FFUL RH 80" CLR 1PK REV S	104574
	780-111 HD FFUL RH 84" CLR 1PK REV S	099003
	780-111 HD FFUL RH 88" DBA 1PK REV S	100306349
	780-111 HD FFUL RH 89" CLR 1PK REV S	011252
	780-111 HD FFUL RH 93" CLR 1PK REV S	106699
	780-111 HD FFUL RH 94" CLR 1PK REV S	046576
	780-111 HD FFUL RH 97" CLR 1PK REV S	061973
	780-111 HD FFUL RH 99" CLR 1PK REV S	100300711
	780-111 HD ULST 83" CLR 1PK REV S	111342
	780-111 HD ULST 95" BLA 1PK REV S	017950
	780-111 LL FFUL 79" CLR 1PK REV S	194848
	780-111 LL FFUL 83" CLR 1PK REV S	195079
	780-111 LL FFUL 95" CLR 1PK REV S	195088
	780-111 SD FFUL LH 93" CLR 1PK REV S	100304630
	780-111 SD FFUL RH 93" CLR 1PK REV S	100304631
780-112	780-112 FFUL 79" CLR 1PK REV S	183922
	780-112 FFUL 79" DBA 1PK REV S	194822
	780-112 FFUL 83" BLA 1PK REV S	136045
	780-112 FFUL 83" BLA BPS REV S	026783
	780-112 FFUL 83" CLR 1PK REV S	184001
	780-112 FFUL 83" CLR BPNS REV S	136917
	780-112 FFUL 83" CLR BPS REV S	184009
	780-112 FFUL 83" DBA 1PK REV S	184003
	780-112 FFUL 83" DBA BPNS REV S	051704
	780-112 FFUL 83" DBA BPS REV S	184010
	780-112 FFUL 85" CLR 1PK REV S	109514
	780-112 FFUL 85" DBA 1PK REV S	093077
	780-112 FFUL 89" CLR 1PK REV S	198424
	780-112 FFUL 91" BLA 1PK REV S	100302239
	780-112 FFUL 95" BLA 1PK REV S	126429
	780-112 FFUL 95" CLR 1PK REV S	184032
	780-112 FFUL 95" CLR BPNS REV S	120634
	780-112 FFUL 95" CLR BPS REV S	082776
	780-112 FFUL 95" DBA 1PK REV S	184033
	780-112 HD FFUL 100" CLR 1PK REV S	130097
	780-112 HD FFUL 101" CLR 1PK REV S	121186
	780-112 HD FFUL 104" CLR 1PK REV S	131335
	780-112 HD FFUL 105" CLR 1PK REV S	128527
	780-112 HD FFUL 106" CLR 1PK REV S	072880
	780-112 HD FFUL 107" BLA 1PK REV S	133307
	780-112 HD FFUL 107" CLR 1PK REV S	184037



Roton Continuous Hinges - Item Numbers

Series	Product name	Item number
	780-112 HD FFUL 111" CLR 1PK REV S	080687
	780-112 HD FFUL 113" CLR 1PK REV S	100302699
	780-112 HD FFUL 115" CLR 1PK REV S	124015
	780-112 HD FFUL 119" BLA 1PK REV S	114187
	780-112 HD FFUL 119" CLR 1PK REV S	184038
	780-112 HD FFUL 119" DBA 1PK REV S	194827
	780-112 HD FFUL 119" DBA BPNS REV S	186082
	780-112 HD FFUL 23" CLR 1PK REV S	023452
	780-112 HD FFUL 36" CLR 1PK REV S	136497
	780-112 HD FFUL 43" CLR 1PK REV S	100304963
	780-112 HD FFUL 47" BLA 1PK REV S	100303671
	780-112 HD FFUL 54" CLR 1PK REV S	100304941
	780-112 HD FFUL 59" CLR 1PK REV S	057334
	780-112 HD FFUL 62" CLR 1PK REV S	100302237
	780-112 HD FFUL 67" CLR 1PK REV S	100303218
	780-112 HD FFUL 71" CLR 1PK REV S	125648
	780-112 HD FFUL 75" CLR 1PK REV S	092375
	780-112 HD FFUL 78" CLR 1PK REV S	127164
	780-112 HD FFUL 79" BLA 1PK REV S	128859
	780-112 HD FFUL 79" CLR 1PK REV S	183881
	780-112 HD FFUL 79" CLR BPNS REV S	136032
	780-112 HD FFUL 79" DBA 1PK REV S	194826
	780-112 HD FFUL 80" CLR 1PK REV S	115935
	780-112 HD FFUL 82" CLR 1PK REV S	113008
	780-112 HD FFUL 83" BLA 1PK REV S	110422
	780-112 HD FFUL 83" BLA BPS REV S	183989
	780-112 HD FFUL 83" CLR 1PK REV S	183926
	780-112 HD FFUL 83" CLR BPNS REV S	186075
	780-112 HD FFUL 83" CLR BPS REV S	109235
	780-112 HD FFUL 83" DBA 1PK REV S	183932
	780-112 HD FFUL 83" DBA BPS REV S	080053
	780-112 HD FFUL 84" CLR 1PK REV S	109526
	780-112 HD FFUL 85" BLA 1PK REV S	123296
	780-112 HD FFUL 85" CLR 1PK REV S	184011
	780-112 HD FFUL 85" CLR BPNS REV S	186077
	780-112 HD FFUL 85" DBA 1PK REV S	184013
	780-112 HD FFUL 85" DBA 1PKT REV S	100304787
	780-112 HD FFUL 86" CLR 1PK REV S	131725
	780-112 HD FFUL 88" CLR 1PK REV S	197909
	780-112 HD FFUL 89" CLR 1PK REV S	110679
	780-112 HD FFUL 89" DBA 1PK REV S	110659
	780-112 HD FFUL 91" BLA 1PK REV S	100302442
	780-112 HD FFUL 91" CLR 1PK REV S	109244

Series	Product name	Item number
	780-112 HD FFUL 91" DBA 1PK REV S	109057
	780-112 HD FFUL 92" CLR 1PK REV S	131344
	780-112 HD FFUL 93" CLR 1PK REV S	184017
	780-112 HD FFUL 93" DBA 1PK REV S	136593
	780-112 HD FFUL 94" BLA 1PK REV S	065146
	780-112 HD FFUL 94" CLR 1PK REV S	147172
	780-112 HD FFUL 95" BLA 1PK REV S	123220
	780-112 HD FFUL 95" BLA BPS REV S	096196
	780-112 HD FFUL 95" CLR 1PK REV S	184020
	780-112 HD FFUL 95" CLR BPNS REV S	186079
	780-112 HD FFUL 95" CLR BPS REV S	095984
	780-112 HD FFUL 95" DBA 1PK REV S	184021
	780-112 HD FFUL 96" BLA 1PK REV S	043731
	780-112 HD FFUL 96" CLR 1PK REV S	121154
	780-112 HD FFUL 96" DBA 1PK REV S	089650
	780-112 HD FFUL 97" BLA 1PK REV S	039073
	780-112 HD FFUL 97" CLR 1PK REV S	197685
	780-112 HD FFUL 99" CLR 1PK REV S	129487
	780-112 HD ULST 83" BLA 1PK REV S	100203803
	780-112 HD ULST 83" CLR 1PK REV S	124205
	780-112 LL FFUL 119" CLR 1PK REV S	195096
	780-112 LL FFUL 79" CLR 1PK REV S	195090
	780-112 LL FFUL 80" CLR 1PK REV S	100304209
	780-112 LL FFUL 83" BLA 1PK REV S	083861
	780-112 LL FFUL 83" CLR 1PK REV S	195091
	780-112 LL FFUL 85" CLR 1PK REV S	195093
	780-112 LL FFUL 93" CLR 1PK REV S	139181
	780-112 LL FFUL 95" BLA 1PK REV S	024203
	780-112 LL FFUL 95" CLR 1PK REV S	195094
	780-112 SD FFUL 91" CLR 1PK REV S	100302828
	780-112 SD FFUL 94" CLR 1PK REV S	100302826
780-113	780-113 HD 79" CLR 1PK REV S	195097
	780-113 HD 83" BLA 1PK REV S	061021
	780-113 HD 83" CLR 1PK	063578
	780-113 HD 83" CLR 1PK REV S	195099
	780-113 HD 83" DBA 1PK REV S	195100
	780-113 HD 85" CLR 1PK REV S	195101
	780-113 HD 95" BLA 1PK REV S	055995
	780-113 HD 95" CLR 1PK REV S	195103
	780-113 HD LH 29" CLR 1PK REV S	066469
	780-113 HD LH 37" CLR 1PK REV S	196371
	780-113 HD LH 39" CLR 1PK REV S	125429
	780-113 HD LH 41" CLR 1PK REV S	104114

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Series	Product name	Item number
	780-113 HD LH 42" CLR 1PK REV S	100303002
	780-113 HD LH 82" CLR 1PK REV S	100305914
	780-113 HD RH 29" CLR 1PK REV S	066473
	780-113 HD RH 37" CLR 1PK REV S	196354
	780-113 HD RH 39" CLR 1PK REV S	100305779
	780-113 HD RH 41" CLR 1PK REV S	105807
	780-113 HD RH 42" CLR 1PK REV S	100303026
	780-113 HD RH 82" CLR 1PK REV S	100303760
780-121	780-121 SD 119" CLR 1PK REV S1	195543
	780-121 SD 119" DBA 1PK REV S1	195544
	780-121 SD 83" CLR REV S1	195539
	780-121 SD 83" DBA REV S1	195540
	780-121 SD LH 95" BLA 1PK REV S1	002542
	780-121 SD LH 95" CLR 1PK REV S1	195541
	780-121 SD LH 95" DBA 1PK REV S1	195542
780-122	780-122 HD FFUL 119" CLR 1PK REV S1	189583
	780-122 HD FFUL 119" DBA 1PK REV S1	189584
	780-122 HD FFUL 83" BLA BPS REV S1	193608
	780-122 HD FFUL 83" CLR BPS REV S1	186417
	780-122 HD FFUL 83" DBA BPS REV S1	186418
	780-122 HD FFUL 95" BLA BPS REV S1	100921
	780-122 HD FFUL 95" CLR BPS REV S1	186419
	780-122 HD FFUL 95" DBA BPS REV S1	186420
780-124	780-124 HD FFUL 119" CLR 1PK REV S	194838
	780-124 HD FFUL 79" CLR 1PK REV S	194831
	780-124 HD FFUL 83" CLR 1PK REV S	183991
	780-124 HD FFUL 83" DBA 1PK REV S	194834
	780-124 HD FFUL 85" CLR 1PK REV S	194835
	780-124 HD FFUL 95" BLA 1PK REV S	022940
	780-124 HD FFUL 95" CLR 1PK REV S	194836
	780-124 HD FFUL LH 82" CLR 1PK REV S	100306636
	780-124 HD FFUL RH 78" BLA 1PK REV S	100303827
	780-124 HD ULST 85" CLR 1PK	100211269
	780-124 LL FFUL 83" CLR 1PK REV S	195114
	780-124 LL FFUL 83" DBA 1PK REV S	100306643
780-155	780-155 HD 79" CLR 1PK REV S	195115
	780-155 HD 83" CLR 1PK REV S	195119
	780-155 HD 83" DBA 1PK REV S	195120
	780-155 HD 85" CLR 1PK REV S	195121
	780-155 HD 95" CLR 1PK REV S	195124
	780-155 HD 95" DBA 1PK REV S	195125
780-157	780-157 FFUL 119" CLR 1PK	100301789
	780-157 FFUL 79" BLA 1PK	085841

Series	Product name	Item number
	780-157 FFUL 79" CLR 1PK	022092
	780-157 FFUL 79" DBA 1PK	049196
	780-157 FFUL 83" BLA 1PK	159357
	780-157 FFUL 83" CLR 1PK	048049
	780-157 FFUL 83" CLR BPNS	027569
	780-157 FFUL 83" DBA 1PK	063070
	780-157 FFUL 83" DBA BPNS	069682
	780-157 FFUL 85" CLR 1PK	047903
	780-157 FFUL 85" DBA 1PK	100301043
	780-157 FFUL 95" BLA 1PK	170884
	780-157 FFUL 95" CLR 1PK	021262
	780-157 FFUL 95" CLR BPNS	052906
	780-157 FFUL 95" DBA 1PK	009045
	780-157 FFUL LH 93" CLR 1PK	133714
	780-157 FFUL RH 93" CLR 1PK	106527
	780-157 HD FFUL 119" BLA 1PK	189834
	780-157 HD FFUL 119" CLR 1PK	099644
	780-157 HD FFUL 119" DBA 1PK	037141
	780-157 HD FFUL 79" BLA 1PK	094867
	780-157 HD FFUL 79" CLR 1PK	022028
	780-157 HD FFUL 79" CLR BPNS	071792
	780-157 HD FFUL 79" DBA 1PK	084386
	780-157 HD FFUL 83" BLA 1PK	036598
	780-157 HD FFUL 83" CLR 1PK	048059
	780-157 HD FFUL 83" CLR BPNS	030711
	780-157 HD FFUL 83" DBA 1PK	062422
	780-157 HD FFUL 83" DBA 1PKT	100302325
	780-157 HD FFUL 85" CLR 1PK	019546
	780-157 HD FFUL 85" CLR BPNS	042209
	780-157 HD FFUL 85" DBA 1PK	035156
	780-157 HD FFUL 85" DBA BPNS	033493
	780-157 HD FFUL 95" BLA 1PK	112593
	780-157 HD FFUL 95" CLR 1PK	048060
	780-157 HD FFUL 95" CLR BPNS	040959
	780-157 HD FFUL 95" DBA 1PK	010547
	780-157 HD FFUL 95" DBA BPNS	044808
	780-157 HD FFUL LH 105" BLA 1PK	100305057
	780-157 HD FFUL LH 107" CLR 1PK	108653
	780-157 HD FFUL LH 70" CLR 1PK	100304954
	780-157 HD FFUL LH 71" CLR 1PK	014675
	780-157 HD FFUL LH 76" CLR 1PK	100304177
	780-157 HD FFUL LH 81" CLR 1PK	109416
	780-157 HD FFUL LH 87" CLR 1PK	107051



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Series	Product name	Item number
	780-157 HD FFUL LH 90" CLR 1PK	165725
	780-157 HD FFUL LH 93" CLR 1PK	000852
	780-157 HD FFUL LH 94" CLR 1PK	108710
	780-157 HD FFUL LH 96" DBA 1PK	100304858
	780-157 HD FFUL LH 99" CLR 1PK	100305245
	780-157 HD FFUL RH 105" BLA 1PK	100305058
	780-157 HD FFUL RH 107" CLR 1PK	108652
	780-157 HD FFUL RH 117" CLR 1PK	067360
	780-157 HD FFUL RH 76" CLR 1PK	100304176
	780-157 HD FFUL RH 81" CLR 1PK	109415
	780-157 HD FFUL RH 87" CLR 1PK	196574
	780-157 HD FFUL RH 93" BLA 1PK	100304203
	780-157 HD FFUL RH 93" CLR 1PK	000854
	780-157 HD FFUL RH 94" CLR 1PK	108708
	780-157 HD FFUL RH 94" DBA 1PK	100305477
	780-157 HD FFUL RH 96" CLR 1PK	158822
	780-157 HD FFUL RH 96" DBA 1PK	100301604
	780-157 HD FFUL RH 99" CLR 1PK	100305246
	780-157 HD ULST 83" CLR 1PK	047998
	780-157 HD ULST 95" CLR 1PK	029104
	780-157 SD FFUL LH 88" CLR 1PK	100303210
	780-157 SD FFUL RH 59" CLR 1PK	100303505
780-210	780-210 FFUL 79" CLR 1PK	010064
	780-210 FFUL 79" DBA 1PK	073030
	780-210 FFUL 83" BLA 1PK	045510
	780-210 FFUL 83" CLR 1PK	048050
	780-210 FFUL 83" CLR BPNS	025456
	780-210 FFUL 83" DBA 1PK	048051
	780-210 FFUL 83" DBA BPNS	027567
	780-210 FFUL 85" CLR 1PK	028265
	780-210 FFUL 95" BLA 1PK	068541
	780-210 FFUL 95" CLR 1PK	063037
	780-210 FFUL 95" DBA 1PK	020588
	780-210 FFUL LH 88" CLR 1PK	100301598
	780-210 FFUL RH 93" DBA 1PK	178286
	780-210 HD FFUL 119" BLA 1PK	165971
	780-210 HD FFUL 119" CLR 1PK	025722
	780-210 HD FFUL 119" DBA 1PK	000304
	780-210 HD FFUL 79" CLR 1PK	017046
	780-210 HD FFUL 79" DBA 1PK	017037
	780-210 HD FFUL 83" BLA 1PK	093405
	780-210 HD FFUL 83" CLR 1PK	048061
	780-210 HD FFUL 83" CLR BPNS	026143

Series	Product name	Item number
	780-210 HD FFUL 83" DBA 1PK	048062
	780-210 HD FFUL 85" BLA 1PK	100303765
	780-210 HD FFUL 85" CLR 1PK	024124
	780-210 HD FFUL 85" CLR 1PK REV S	032788
	780-210 HD FFUL 85" DBA 1PK	071974
	780-210 HD FFUL 95" BLA 1PK	154984
	780-210 HD FFUL 95" CLR 1PK	048063
	780-210 HD FFUL 95" CLR BPNS	095554
	780-210 HD FFUL 95" DBA 1PK	046722
	780-210 HD FFUL LH 100" CLR 1PK	100303426
	780-210 HD FFUL LH 107" CLR 1PK	141604
	780-210 HD FFUL LH 89" CLR 1PK	139896
	780-210 HD FFUL LH 92" CLR 1PK	100303500
	780-210 HD FFUL LH 93" CLR 1PK	030145
	780-210 HD FFUL RH 100" CLR 1PK	100303427
	780-210 HD FFUL RH 106" CLR 1PK	110687
	780-210 HD FFUL RH 107" CLR 1PK	135311
	780-210 HD FFUL RH 92" CLR 1PK	112176
	780-210 HD FFUL RH 93" CLR 1PK	028996
	780-210 SD FFUL 83" CLR 1PKT	100305043
780-224	780-224 FFUL 79" BLA 1PK REV S	025886
	780-224 FFUL 79" CLR 1PK REV S	183923
	780-224 FFUL 83" BLA 1PK REV S	090379
	780-224 FFUL 83" CLR 1PK REV S	184005
	780-224 FFUL 83" CLR BPNS REV S	118424
	780-224 FFUL 83" DBA 1PK REV S	184006
	780-224 FFUL 85" CLR 1PK REV S	118707
	780-224 FFUL 95" BLA 1PK REV S	198251
	780-224 FFUL 95" CLR 1PK REV S	184036
	780-224 FFUL 95" DBA 1PK REV S	194840
	780-224 HD FFUL 119" BLA 1PK REV S	195810
	780-224 HD FFUL 119" CLR 1PK REV S	184039
	780-224 HD FFUL 119" DBA 1PK REV S	194842
	780-224 HD FFUL 119" DBA BPNS REV S	195354
	780-224 HD FFUL 79" BLA 1PK REV S	067150
	780-224 HD FFUL 79" CLR 1PK REV S	183882
	780-224 HD FFUL 79" DBA 1PK REV S	183921
	780-224 HD FFUL 83" BLA 1PK REV S	183992
	780-224 HD FFUL 83" CLR 1PK REV S	184122
	780-224 HD FFUL 83" CLR BPNS REV S	183993
	780-224 HD FFUL 83" CLR BPS REV S	194828
	780-224 HD FFUL 83" DBA 1PK REV S	183973
	780-224 HD FFUL 83" DBA BPNS REV S	195352

Roton Continuous Hinges - Item Numbers

Series	Product name	Item number
	780-224 HD FFUL 85" BLA 1PK REV S	199457
	780-224 HD FFUL 85" CLR 1PK REV S	184012
	780-224 HD FFUL 85" DBA 1PK REV S	184014
	780-224 HD FFUL 95" BLA 1PK REV S	195809
	780-224 HD FFUL 95" CLR 1PK REV S	184022
	780-224 HD FFUL 95" CLR BPNS REV S	120652
	780-224 HD FFUL 95" DBA 1PK REV S	184023
	780-224 HD FFUL 95" DBA BPNS REV S	119613
	780-224 HD FFUL LH 100" CLR 1PK REV S	097358
	780-224 HD FFUL LH 101" CLR 1PK REV S	122955
	780-224 HD FFUL LH 102" CLR 1PK REV S	097710
	780-224 HD FFUL LH 103" CLR 1PK REV S	112636
	780-224 HD FFUL LH 105" CLR 1PK REV S	114663
	780-224 HD FFUL LH 106" CLR 1PK REV S	091333
	780-224 HD FFUL LH 107" CLR 1PK REV S	120756
	780-224 HD FFUL LH 107" DBA 1PK REV S	045459
	780-224 HD FFUL LH 109" DBA 1PK REV S	100302171
	780-224 HD FFUL LH 32" CLR 1PK REV S	100305658
	780-224 HD FFUL LH 35" CLR 1PK REV S	199155
	780-224 HD FFUL LH 38" CLR 1PK REV S	012270
	780-224 HD FFUL LH 42" CLR 1PK REV S	100304927
	780-224 HD FFUL LH 51" CLR 1PK REV S	100303439
	780-224 HD FFUL LH 59" CLR 1PK REV S	125613
	780-224 HD FFUL LH 65" CLR 1PK REV S	100304109
	780-224 HD FFUL LH 71" CLR 1PK REV S	061232
	780-224 HD FFUL LH 77" CLR 1PK REV S	093812
	780-224 HD FFUL LH 82" CLR 1PK REV S	196480
	780-224 HD FFUL LH 84" CLR 1PK REV S	116686
	780-224 HD FFUL LH 88" CLR 1PK REV S	100300218
	780-224 HD FFUL LH 89" CLR 1PK REV S	184015
	780-224 HD FFUL LH 89" DBA 1PK REV S	071657
	780-224 HD FFUL LH 91" CLR 1PK REV S	131743
	780-224 HD FFUL LH 91" DBA 1PK REV S	040006
	780-224 HD FFUL LH 92" CLR 1PK REV S	135476
	780-224 HD FFUL LH 92" DBA 1PK REV S	100306518
	780-224 HD FFUL LH 93" BLA 1PK REV S	113633
	780-224 HD FFUL LH 93" CLR 1PK REV S	184018
	780-224 HD FFUL LH 93" DBA 1PK REV S	109318
	780-224 HD FFUL RH 100" CLR 1PK REV S	100304652
	780-224 HD FFUL RH 101" CLR 1PK REV S	198005
	780-224 HD FFUL RH 102" CLR 1PK REV S	097718
	780-224 HD FFUL RH 103" CLR 1PK REV S	112646
	780-224 HD FFUL RH 105" CLR 1PK REV S	122389

Series	Product name	Item number
	780-224 HD FFUL RH 106" CLR 1PK REV S	126242
	780-224 HD FFUL RH 107" CLR 1PK REV S	120755
	780-224 HD FFUL RH 107" DBA 1PK REV S	045460
	780-224 HD FFUL RH 109" DBA 1PK REV S	100302172
	780-224 HD FFUL RH 32" CLR 1PK REV S	020408
	780-224 HD FFUL RH 38" CLR 1PK REV S	100304339
	780-224 HD FFUL RH 44" DBA 1PK REV S	100303884
	780-224 HD FFUL RH 51" CLR 1PK REV S	100303438
	780-224 HD FFUL RH 57" CLR 1PK REV S	100305682
	780-224 HD FFUL RH 59" CLR 1PK REV S	146042
	780-224 HD FFUL RH 65" CLR 1PK REV S	100304110
	780-224 HD FFUL RH 66" CLR 1PK REV S	100305683
	780-224 HD FFUL RH 68" CLR 1PK REV S	100301519
	780-224 HD FFUL RH 71" CLR 1PK REV S	197342
	780-224 HD FFUL RH 77" CLR 1PK REV S	124174
	780-224 HD FFUL RH 80" CLR 1PK REV S	197489
	780-224 HD FFUL RH 82" CLR 1PK REV S	103204
	780-224 HD FFUL RH 84" CLR 1PK REV S	199956
	780-224 HD FFUL RH 86" DBA 1PK REV S	023078
	780-224 HD FFUL RH 88" CLR 1PK REV S	100300219
	780-224 HD FFUL RH 89" CLR 1PK REV S	184016
	780-224 HD FFUL RH 91" CLR 1PK REV S	133503
	780-224 HD FFUL RH 91" DBA 1PK REV S	126826
	780-224 HD FFUL RH 92" CLR 1PK REV S	128331
	780-224 HD FFUL RH 92" DBA 1PK REV S	198647
	780-224 HD FFUL RH 93" CLR 1PK REV S	184019
	780-224 HD FFUL RH 93" DBA 1PK REV S	109317
	780-224 HD FFUL RH 94" CLR 1PK REV S	109591
	780-224 HD ULST 79" CLR 1PK REV S	138177
	780-224 HD ULST 83" CLR 1PK REV S	183975
	780-224 HD ULST 95" CLR 1PK REV S	197110
	780-224 HD ULST RHTR 83" CLR 1PK REV S	100209774
	780-224 LL FFUL 79" BLA 1PK REV S	100302332
	780-224 LL FFUL 79" CLR 1PK REV S	195181
	780-224 LL FFUL 83" CLR 1PK REV S	195184
	780-224 LL FFUL 83" CLR BPNS REV S	109375
	780-224 LL FFUL 83" DBA 1PK REV S	195222
	780-224 LL FFUL 95" BLA 1PK REV S	100304843
	780-224 LL FFUL 95" CLR 1PK REV S	195224
	780-224 LL FFUL LH 104" CLR 1PK REV S	100305915
	780-224 LL FFUL LH 93" CLR 1PK REV S	100303468
	780-224 LL FFUL RH 93" CLR 1PK REV S	198078
	780-224 LL ULST 83" CLR 1PK REV S	116788



Roton Continuous Hinges - Item Numbers

Series	Product name	Item number
	780-224 SD FFUL 79" DBA 1PK REV S	100303294
	780-224 SD FFUL 83" CLR 1PKT REV S	100305939
	780-224 SD FFUL 85" DBA 1PK REV S	100304774
	780-224 SD FFUL RH 27" CLR 1PK REV S	100306484
780-226	780-226 HD FFUL 106" DBA 1PK REV S	064595
	780-226 HD FFUL 107" BLA 1PK REV S	100300459
	780-226 HD FFUL 107" DBA 1PK REV S	045395
	780-226 HD FFUL 119" BLA 1PK REV S	195815
	780-226 HD FFUL 119" CLR 1PK REV S	193587
	780-226 HD FFUL 79" CLR 1PK REV S	194843
	780-226 HD FFUL 83" BLA 1PK REV S	195812
	780-226 HD FFUL 83" CLR 1PK	040515
	780-226 HD FFUL 83" CLR 1PK REV S	183974
	780-226 HD FFUL 83" DBA 1PK REV S	194845
	780-226 HD FFUL 85" BLA 1PK REV S	100306242
	780-226 HD FFUL 85" CLR 1PK REV S	194846
	780-226 HD FFUL 85" DBA 1PK REV S	194849
	780-226 HD FFUL 91" CLR 1PK REV S	100303802
	780-226 HD FFUL 93" BLA 1PK REV S	100306241
	780-226 HD FFUL 93" CLR 1PK REV S	095133
	780-226 HD FFUL 93" DBA 1PK REV S	100302685
	780-226 HD FFUL 94" CLR 1PK REV S	100302960
	780-226 HD FFUL 95" BLA 1PK REV S	195813
	780-226 HD FFUL 95" CLR 1PK REV S	184024
	780-226 HD FFUL 95" DBA 1PK REV S	194850
	780-226 HD FFUL 96" CLR 1PK REV S	198810
	780-226 LL FFUL 104" CLR 1PK REV S	100304940
	780-226 LL FFUL 107" CLR 1PK REV S	100304939
	780-226 LL FFUL 83" CLR 1PK REV S	195235
	780-226 LL FFUL 95" CLR 1PK REV S	195236
	RHD392-780-226 HD FFUL 107" CLR REV S1	142875
1200-600	1200-600 XHD 107" CLR 1PK	059030
	1200-600 XHD 119" CLR 1PK	090770
	1200-600 XHD 119" CLR NH 1PK	100301715
	1200-600 XHD 119" DBA 1PK	107206
	1200-600 XHD 35" CLR 1PK	100301512
	1200-600 XHD 36" CLR 1PK	100306123
	1200-600 XHD 59" CLR 1PK	100301513
	1200-600 XHD 79" CLR 1PK	033667
	1200-600 XHD 83" CLR 1PK	000590
	1200-600 XHD 83" DBA 1PK	028601
	1200-600 XHD 89" CLR 1PK	100304521
	1200-600 XHD 91" CLR 1PK	008516

Series	Product name	Item number
	1200-600 XHD 95" CLR 1PK	004040
	1200-600 XHD 95" DBA 1PK	065709
1200-650	1200-650 XHD 119" BLA 1PK	109181
	1200-650 XHD 119" CLR 1PK	090440
	1200-650 XHD 83" CLR 1PK	090353
	1200-650 XHD 83" DBA 1PK	135473
	1200-650 XHD 95" CLR 1PK	090439
	1200-650 XHD 95" DBA 1PK	108903
	1200-650 XHD 96" DBA 1PK	100306596
Molding	780-052M MOLDING 119" BLA	100210377
	780-052M MOLDING 119" CLR	085185
	780-052M MOLDING 79" CLR	062038
	780-052M MOLDING 79" DBA	029995
	780-052M MOLDING 83" CLR	060773
	780-052M MOLDING 83" DBA	062046
	780-052M MOLDING 85" CLR	086790
	780-052M MOLDING 85" DBA	100209310
	780-052M MOLDING 95" BLA	064333
	780-052M MOLDING 95" CLR	064424
	780-052M MOLDING 95" DBA	062042
	780-210M MOLDING 119" CLR	061035
	780-210M MOLDING 79" CLR	062047
	780-210M MOLDING 83" CLR	060801
	780-210M MOLDING 83" DBA	060748
	780-210M MOLDING 85" CLR	073583
	780-210M MOLDING 85" DBA	074841
	780-210M MOLDING 95" CLR	061034
	780-210M MOLDING 95" DBA	061036
	780-247M MOLDING 119" CLR	018494
	780-247M MOLDING 79" CLR	009307
	780-247M MOLDING 83" CLR	061037
	780-247M MOLDING 83" DBA	062045
	780-247M MOLDING 85" CLR	034662
	780-247M MOLDING 85" DBA	041045
	780-247M MOLDING 95" CLR	061038
	780-247M MOLDING 95" DBA	062043