

HARDWOOD®

A trusted global partner in functional and decorative opening solutions

Delivering reliable opening solutions that combine performance, aesthetics, and sustainability

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Patch Fitting & Patch Locks

Hardwood Door Control Tech (Ningbo) Co., Ltd.

INTRODUCTION

ABOUT US

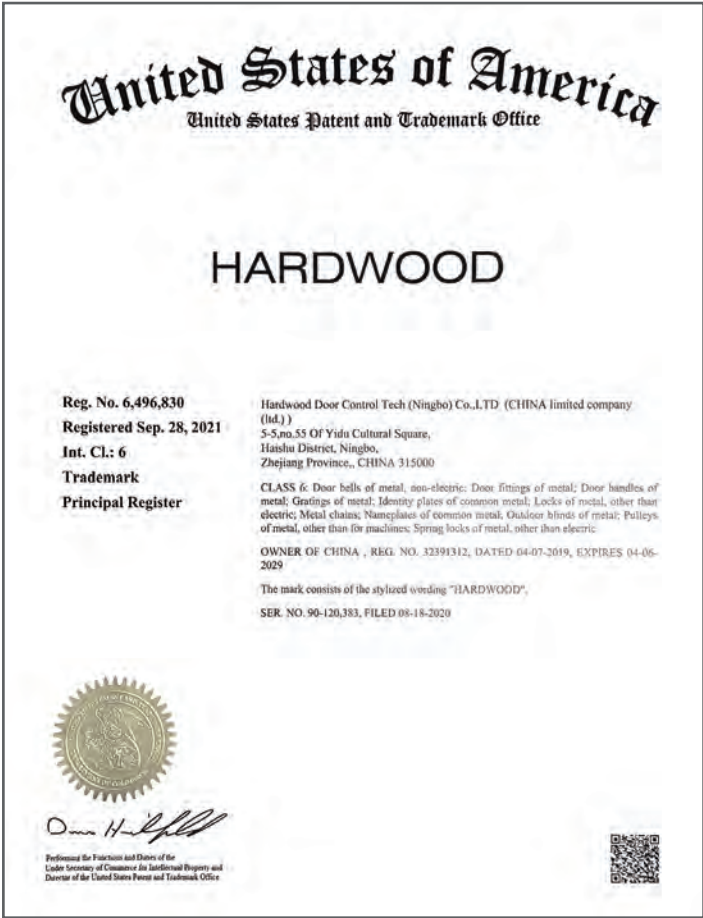
A trusted global partner in functional and decorative opening solutions



Hardwood is an innovative and professional company engaged in research, development, design and manufacturing of Locksets, fittings, sliding door system and numerous architectural hardware. The founder and core members have over 30 years' experience in door control industry.



Delivering reliable opening solutions that combine performance, aesthetics, and sustainability.



30⁺
Years

100⁺
Serving Clients

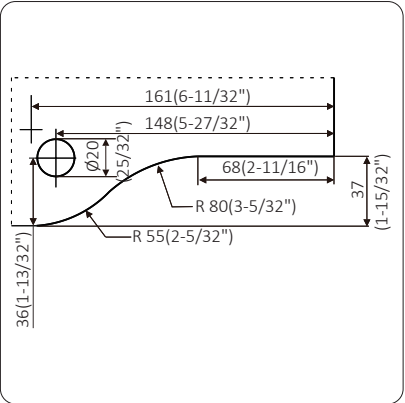
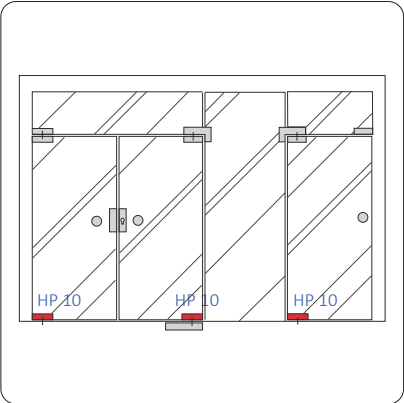
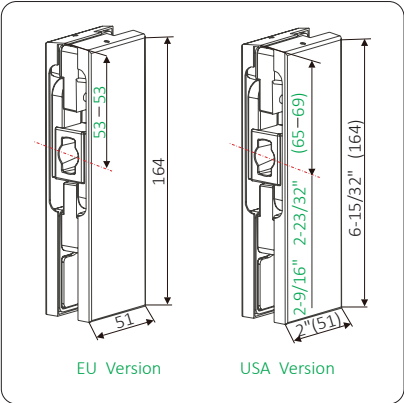
300⁺
Product Portfolio

Patch Fittings

US32D brushed stainless steel for commercial durability

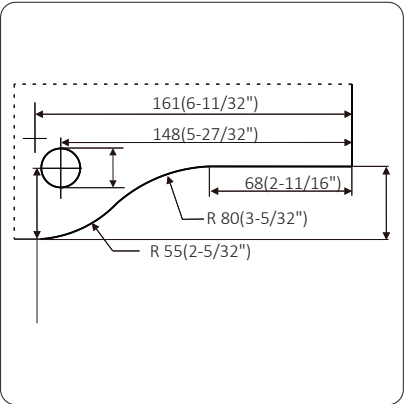
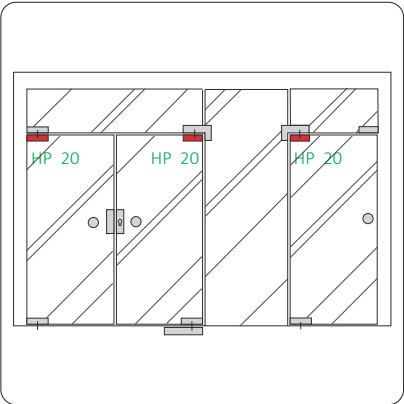
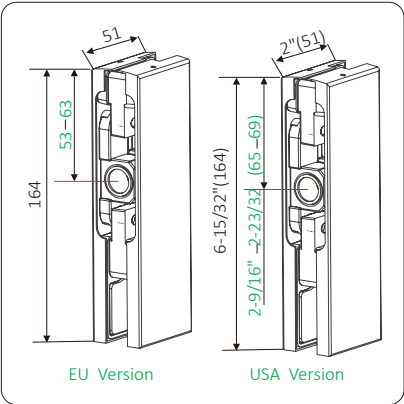
HP 10 Bottom patch fitting with floor spring spindle, or round pivot

Model #	Glass Thickness	Cover MTL
HP-10-10-EU/USA	10mm(3/8")	Stainless steel /
HP-10-12-EU/USA	12mm(1/2")	Aluminum
HP-10-15-EU/USA	15mm(5/8")	
HP-10-19-EU/USA	19mm(3/4")	



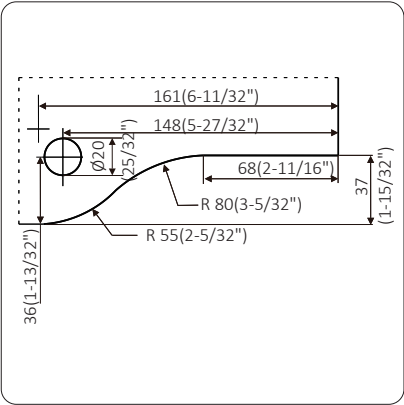
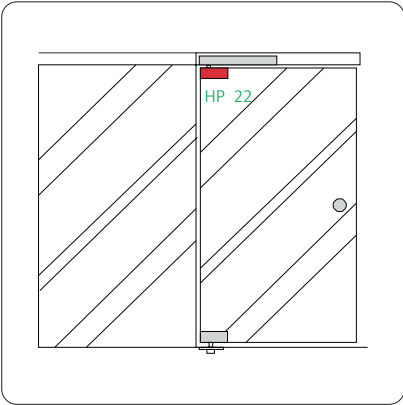
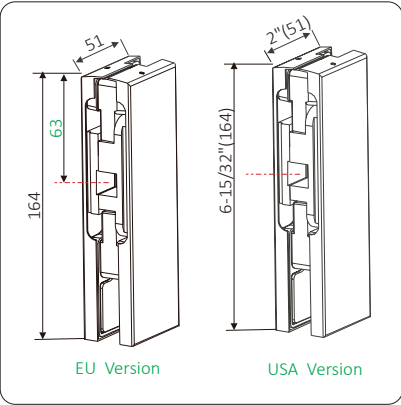
HP 20 Top patch fitting with plastic socket for Ø 15 mm pivot pin

Model #	Glass Thickness	Cover MTL
HP-20-10-EU/USA	10mm(3/8")	Stainless steel /
HP-20-12-EU/USA	12mm(1/2")	Aluminum
HP-20-15-EU/USA	15mm(5/8")	
HP-20-19-EU/USA	19mm(3/4")	



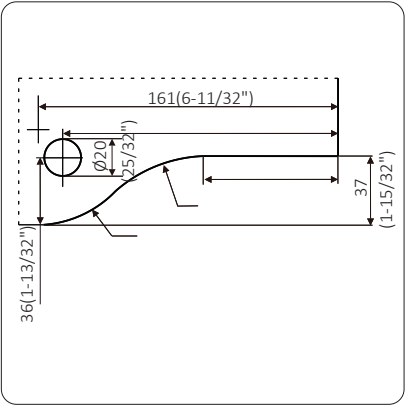
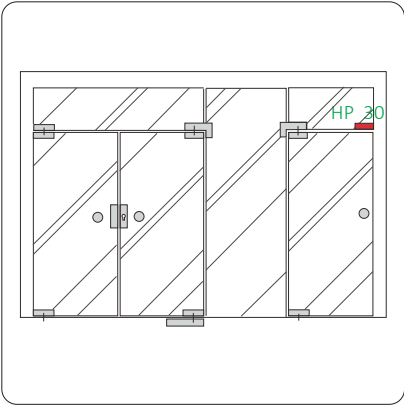
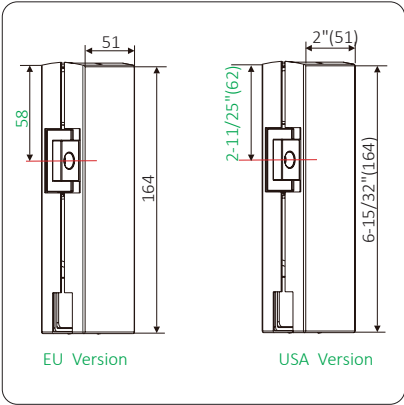
HP 22 top patch fitting with insert for RTS transom closer

Model #	Glass Thickness	Cover MTL
HP-22-10-EU/USA	10mm(3/8")	Stainless steel / Aluminum
HP-22-12-EU/USA	12mm(1/2")	
HP-22-15-EU/USA	15mm(5/8")	
HP-22-19-EU/USA	19mm(3/4")	



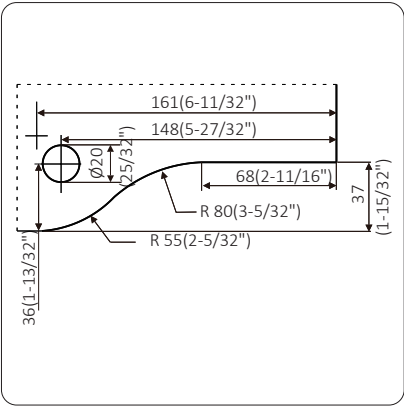
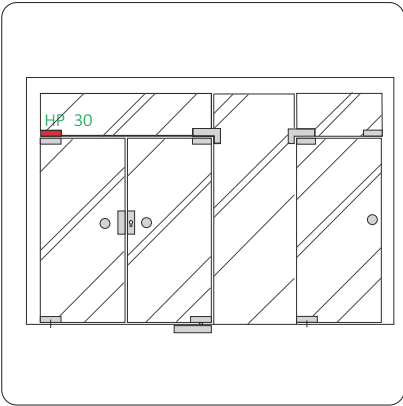
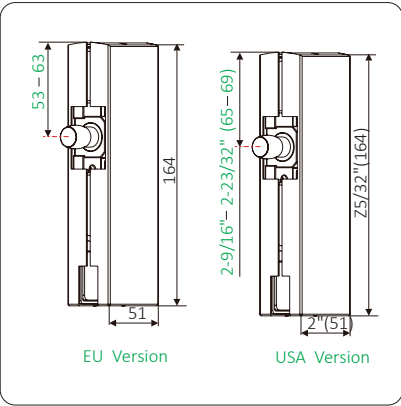
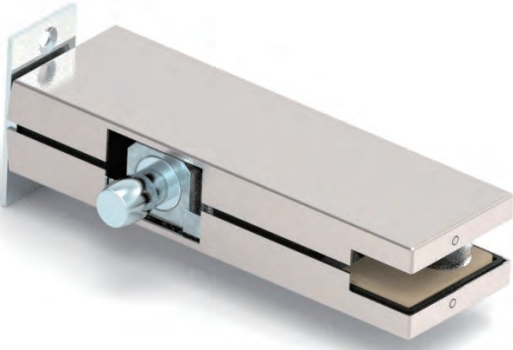
HP 30 overpanel patch fitting with stop insert

Model #	Glass Thickness	Cover MTL
HP-30-10-02-EU/USA	10mm(3/8")	Stainless steel / Aluminum
HP-30-12-02-EU/USA	12mm(1/2")	
HP-30-15-02-EU/USA	15mm(5/8")	
HP-30-19-02-EU/USA	19mm(3/4")	



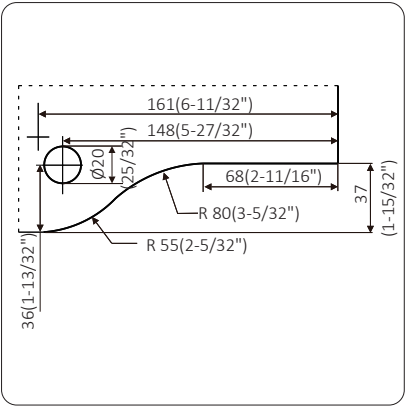
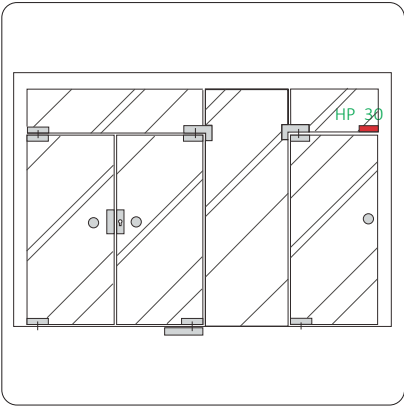
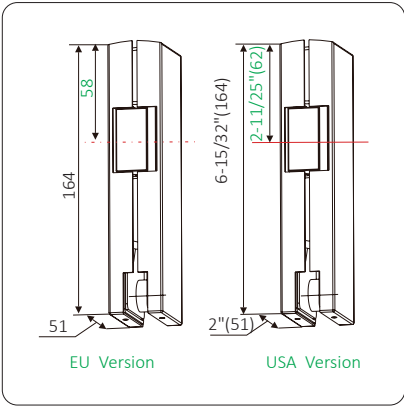
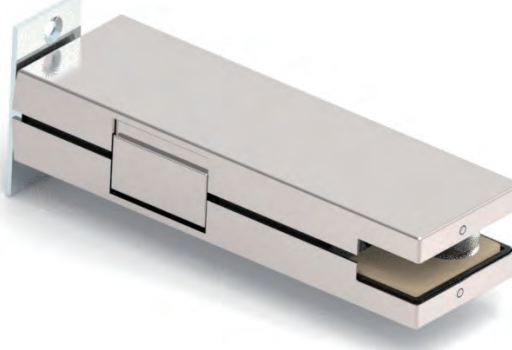
HP 30 overpanel pivot patch fitting with M8 tapped hole at side

Model #	Glass Thickness	Cover MTL
HP-30-10-EU/USA	10mm(3/8")	Stainless steel / Aluminum
HP-30-12-EU/USA	12mm(1/2")	
HP-30-15-EU/USA	15mm(5/8")	
HP-30-19-EU/USA	19mm(3/4")	



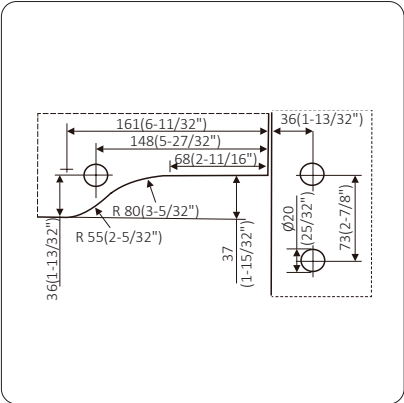
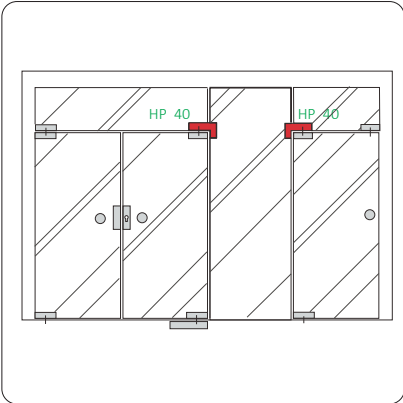
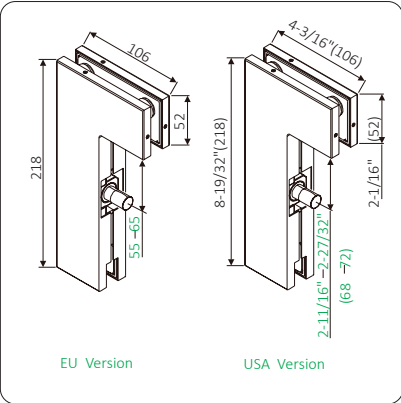
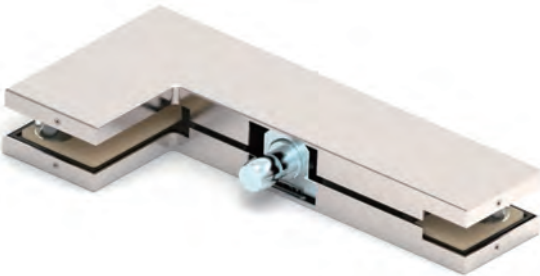
HP 30 overpanel patch fitting with blank insert

Model #	Glass Thickness	Cover MTL
HP-30-10-03-EU/USA	10mm(3/8")	Stainless steel / Aluminum
HP-30-12-03-EU/USA	12mm(1/2")	
HP-30-15-03-EU/USA	15mm(5/8")	
HP-30-19-03-EU/USA	19mm(3/4")	



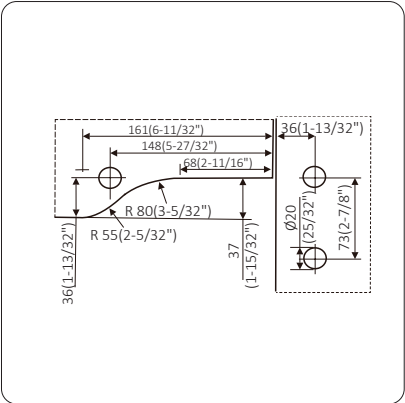
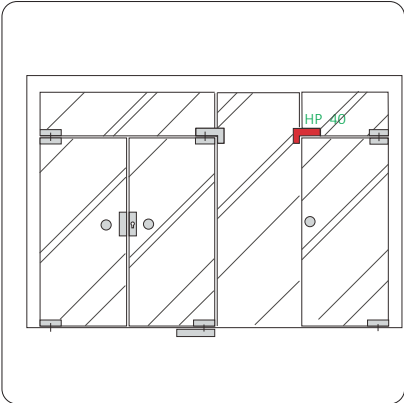
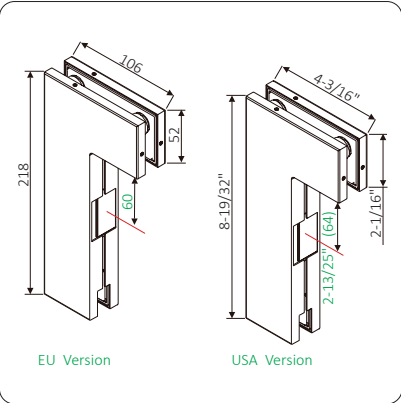
HP 40 overpanel to sidepanel pivot patch fitting with Ø 15 mm pivot pin

Model #	Glass Thickness	Cover MTL
HP-40-10-01-EU/USA	10mm(3/8")	Stainless steel / Aluminum
HP-40-12-01-EU/USA	12mm(1/2")	
HP-40-15-01-EU/USA	15mm(5/8")	
HP-40-19-01-EU/USA	19mm(3/4")	



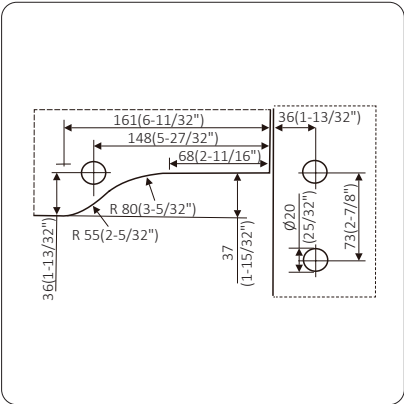
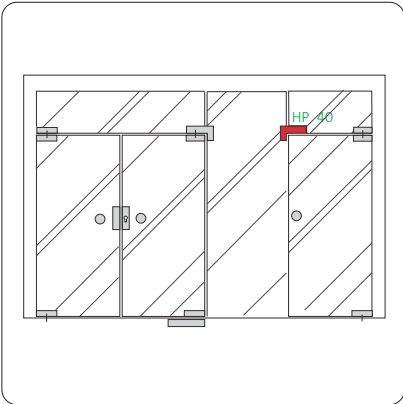
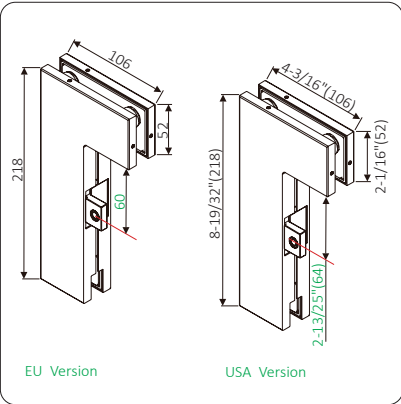
HP 40 overpanel to sidepanel patch fitting with stop insert

Model #	Glass Thickness	Cover MTL
HP-40-10-03-EU/USA	10mm(3/8")	Stainless steel / Aluminum
HP-40-12-03-EU/USA	12mm(1/2")	
HP-40-15-03-EU/USA	15mm(5/8")	
HP-40-19-01-EU/USA	19mm(3/4")	



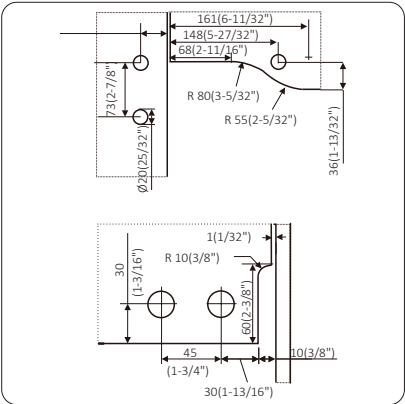
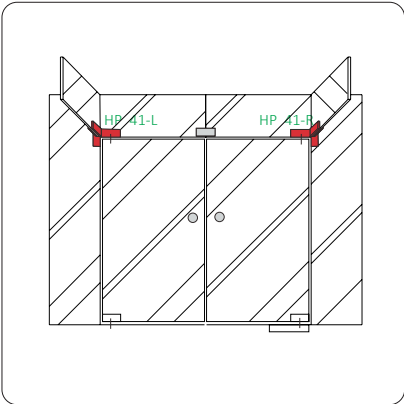
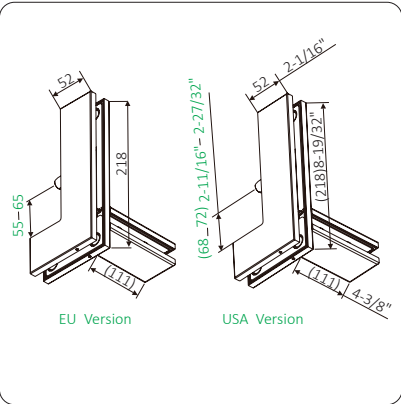
HP 40 overpanel to sidepanel patch fitting with blank insert

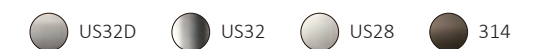
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HP-40-10-02-EU/USA	10mm(3/8")	Stainless steel / Aluminum
HP-40-12-02-EU/USA	12mm(1/2")	
HP-40-15-02-EU/USA	15mm(5/8")	
HP-40-19-02-EU/USA	19mm(3/4")	



HP 41 overpanel to sidelight pivot patch fitting including fin fitting with Ø 15 mm pivot pin

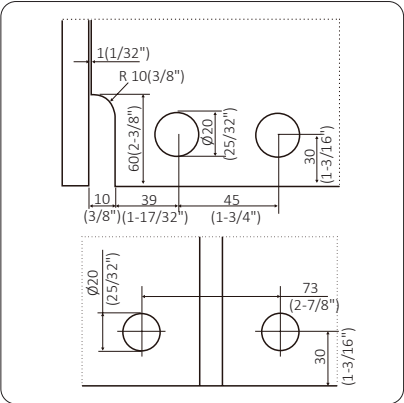
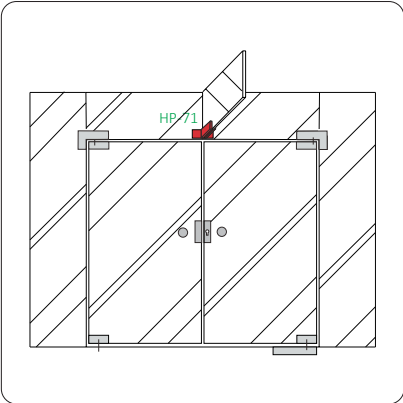
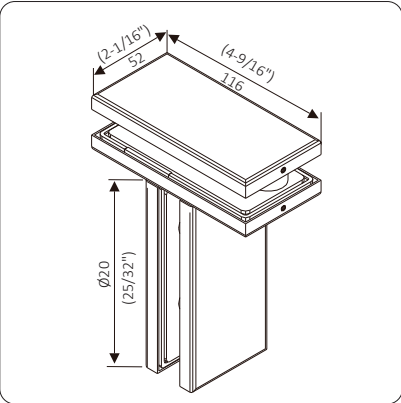
Model #	Glass Thickness	Cover MTL
HP-41-10-EU/USA (L/R)	10mm(3/8")	Stainless steel / Aluminum
HP-41-12-EU/USA (L/R)	12mm(1/2")	
HP-41-15-EU/USA (L/R)	15mm(5/8")	
HP-41-19-EU/USA (L/R)	19mm(3/4")	





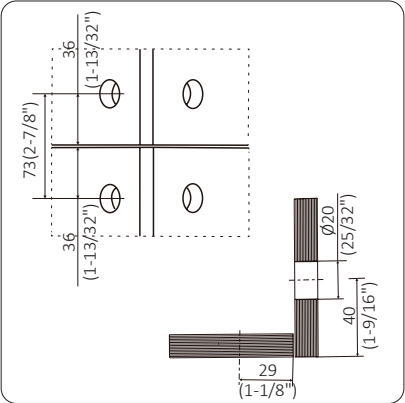
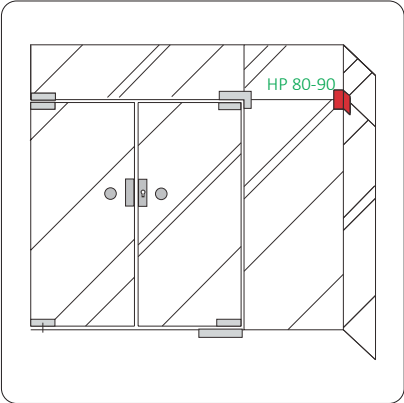
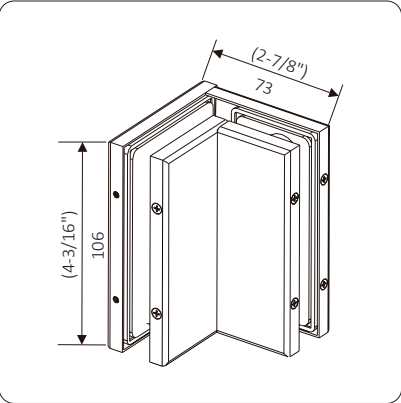
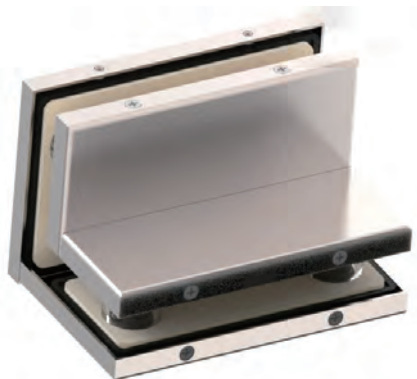
HP 71 Overpanel connector with fin fitting

Model #	Glass Thickness	Cover MTL
HP-71-10	10mm(3/8")	Stainless steel /
HP-71-12	12mm(1/2")	Aluminum



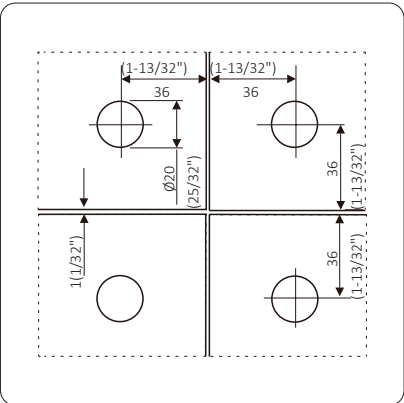
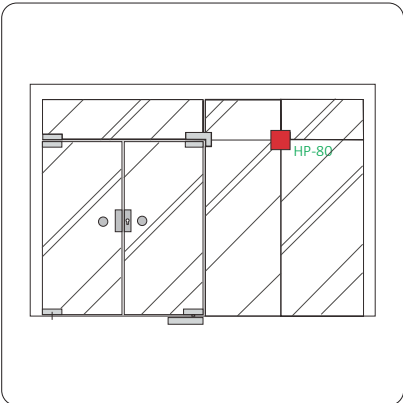
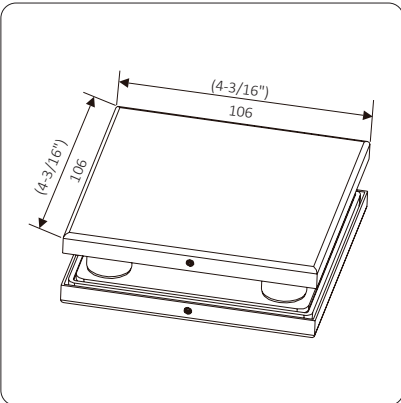
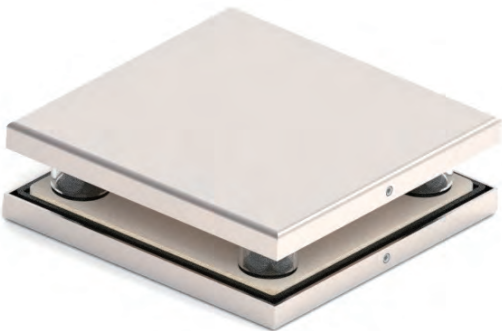
HP 80-90 Angled connector angle 90°

Model #	Glass Thickness	Cover MTL
HP-80-90-10-1	10mm(3/8")	Stainless steel /
HP-80-90-12-1	12mm(1/2")	Aluminum



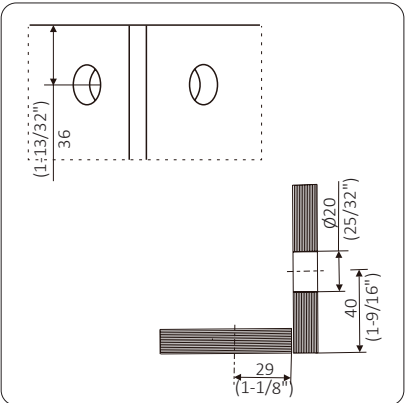
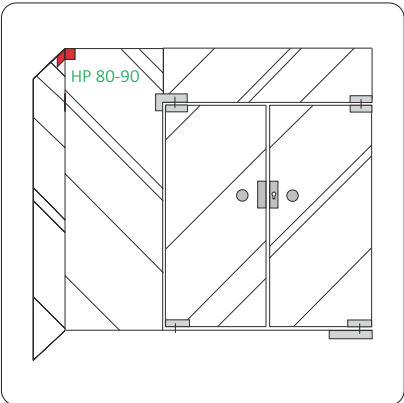
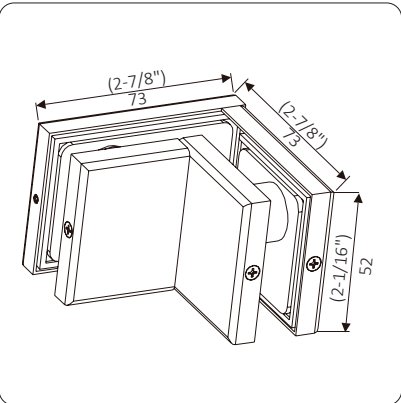
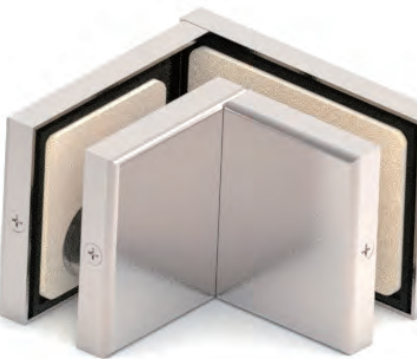
HP 80 Special patch and connection fitting

Model #	Glass Thickness	Cover MTL
HP-80-10	10mm(3/8")	Stainless steel /
HP-80-12	12mm(1/2")	Aluminum
HP-80-15	15mm(5/8")	
HP-80-19	19mm(3/4")	



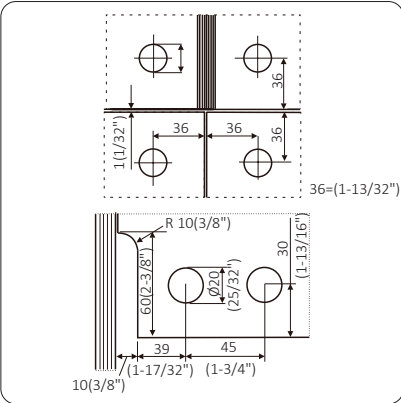
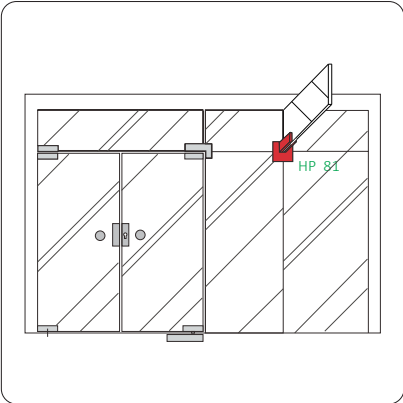
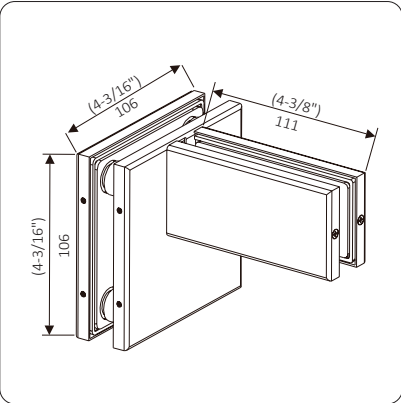
HP 80-90 short connector shortened angle 90°

Model #	Glass Thickness	Cover MTL
HP-80-90-10-2	10mm(3/8")	Stainless steel /
HP-80-90-12-2	12mm(1/2")	Aluminum



HP 81 Special patch and connection fitting

Model #	Glass Thickness	Cover MTL
HP-81-10	10mm(3/8")	Stainless steel /
HP-81-12	12mm(1/2")	Aluminum

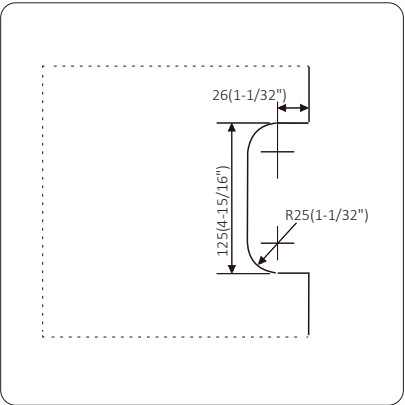
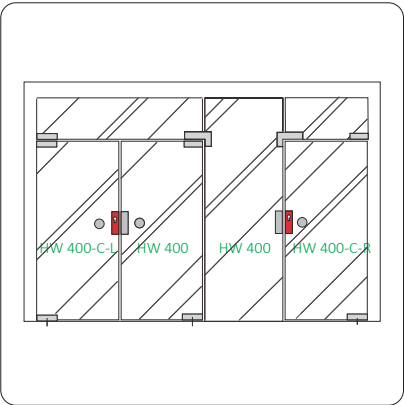
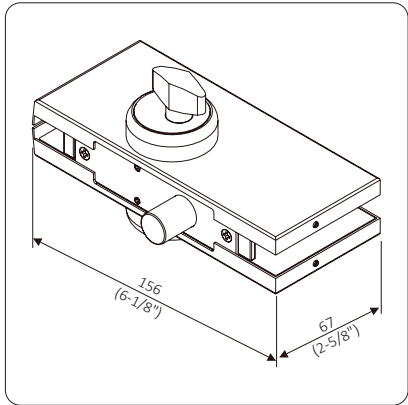


Lock Patch Fittings

Integrated security for frameless glass entrance systems

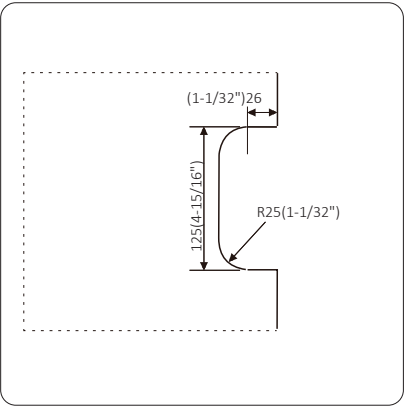
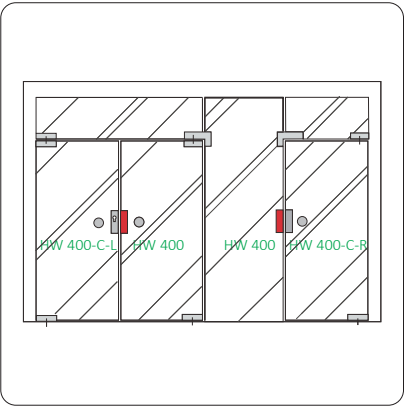
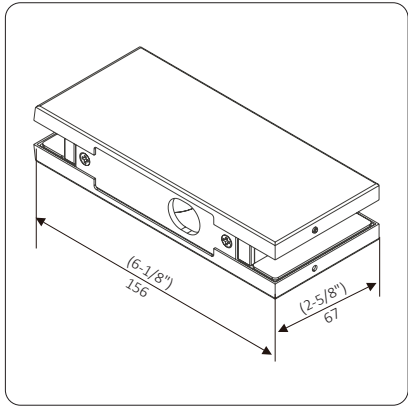
HW 400-C Centre patch lock fitting

Model #	Glass Thickness	Cover MTL
HW-400-C-L	10-12mm(3/8"-1/2")	Stainless steel /
HW-400-C-R	10-12mm(3/8"-1/2")	Aluminum



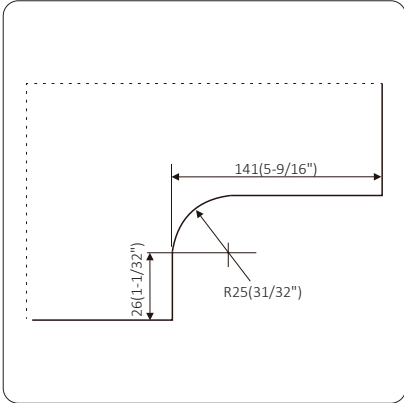
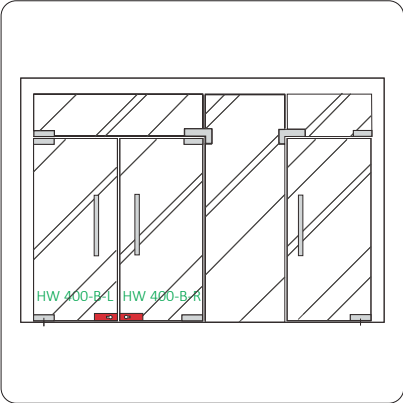
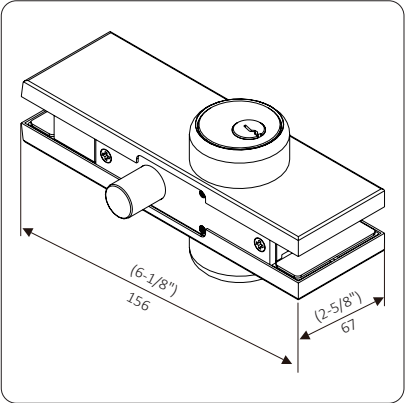
HW 400 Centre lock keeper patch fitting

Model #	Glass Thickness	Cover MTL
HW-400	10-12mm(3/8"-1/2")	Stainless steel /
		Aluminum



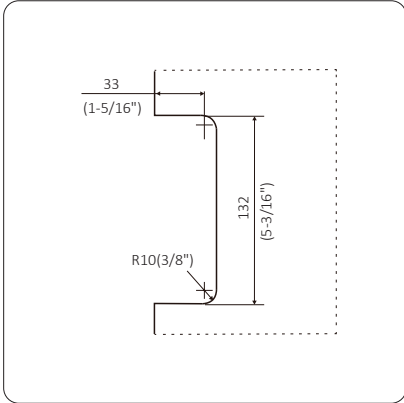
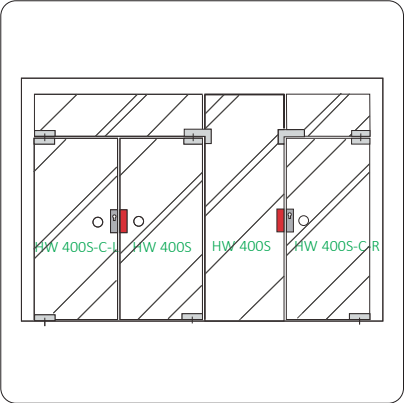
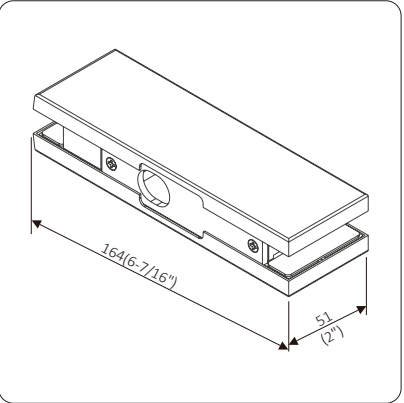
HW 400-B Bottom patch lock fitting

Model #	Glass Thickness	Cover MTL
HW-400-B-L	10-12mm(3/8"-1/2")	Stainless steel /
HW-400-B-R	10-12mm(3/8"-1/2")	Aluminum



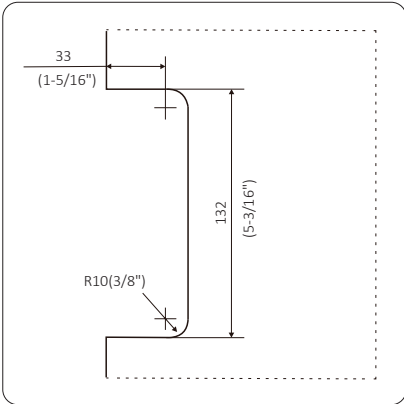
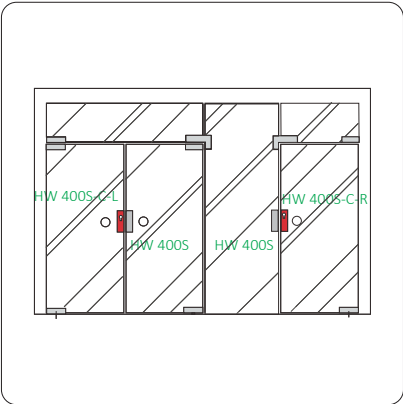
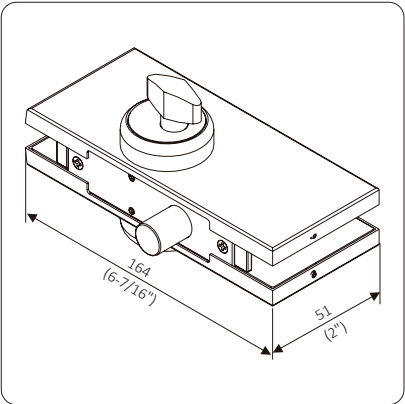
HW 400S Centre lock keeper patch fitting

Model #	Glass Thickness	Cover MTL
HW-400S	10-12mm(3/8"-1/2")	Stainless steel /
		Aluminum



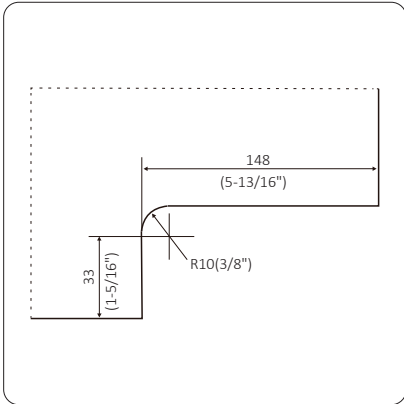
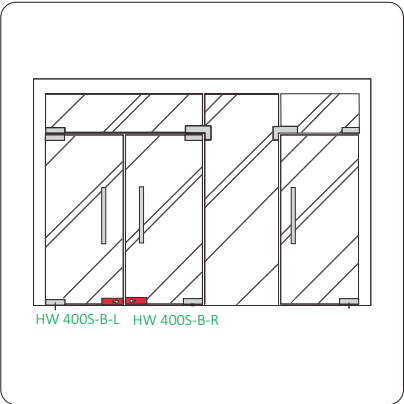
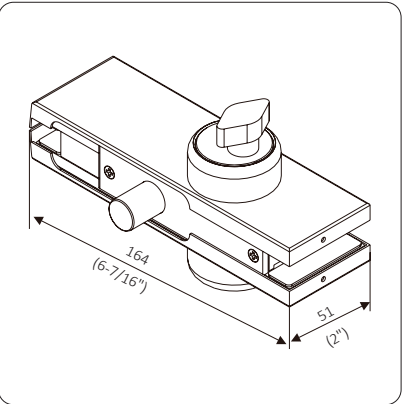
HW 400S-C Centre patch lock fitting

Model #	Glass Thickness	Cover MTL
HW-400S-C-L	10-12mm(3/8"-1/2")	Stainless steel /
HW-400S-C-R	10-12mm(3/8"-1/2")	Aluminum



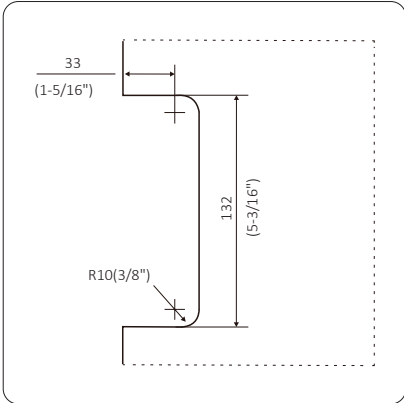
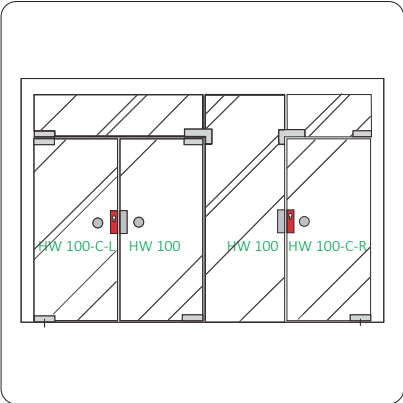
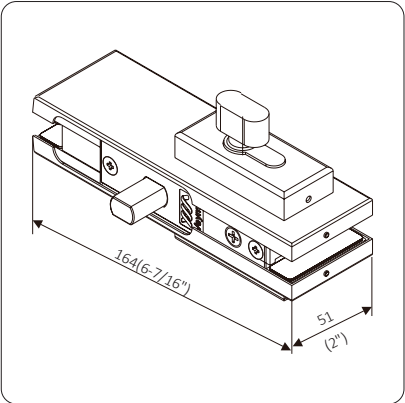
HW 400S-B Bottom patch lock fitting

Model #	Glass Thickness	Cover MTL
HW-400S-B-L	10-12mm(3/8"-1/2")	Stainless steel /
HW-400S-B-R	10-12mm(3/8"-1/2")	Aluminum



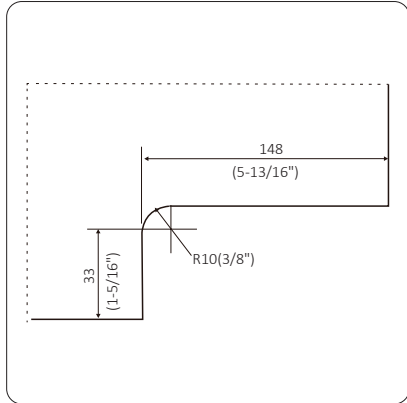
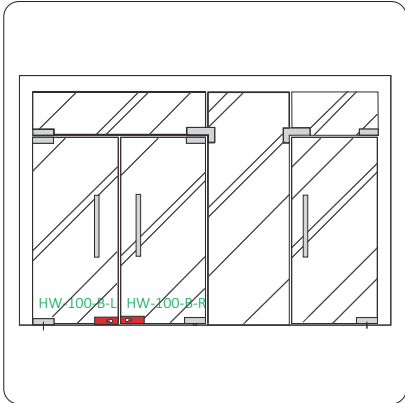
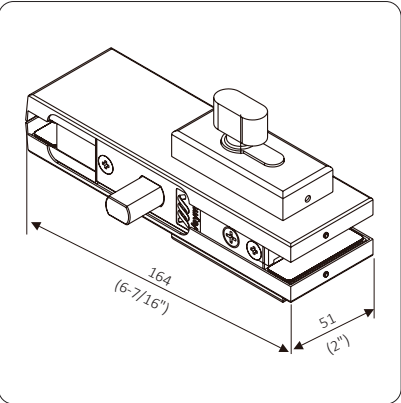
HW 100-C (Centre patch lock fitting)

Model #	Glass Thickness	Cover MTL
HW-100-C-L	10-12mm(3/8"-1/2")	Stainless steel /
HW-100-C-R	10-12mm(3/8"-1/2")	Aluminum



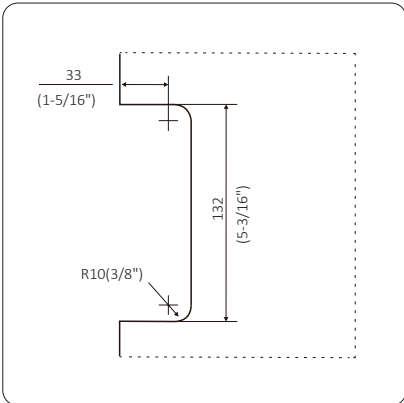
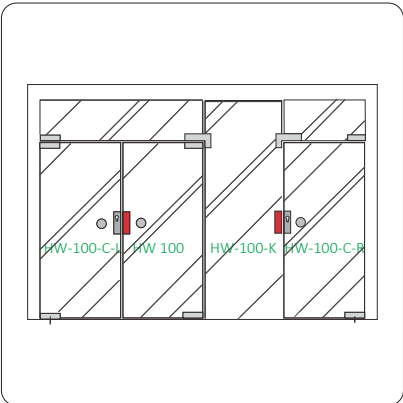
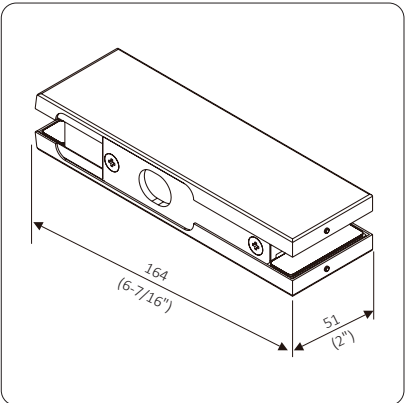
HW 100-B (Bottom patch lock fitting)

Model #	Glass Thickness	Cover MTL
HW-100-B-L	10-12mm(3/8"-1/2")	Stainless steel /
HW-100-B-R	10-12mm(3/8"-1/2")	Aluminum



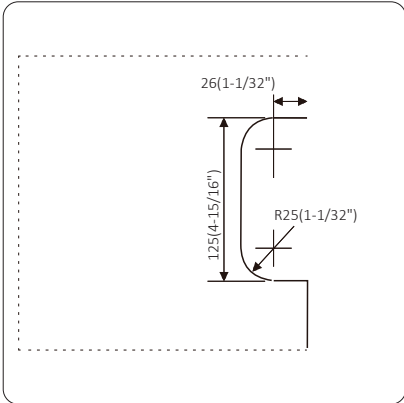
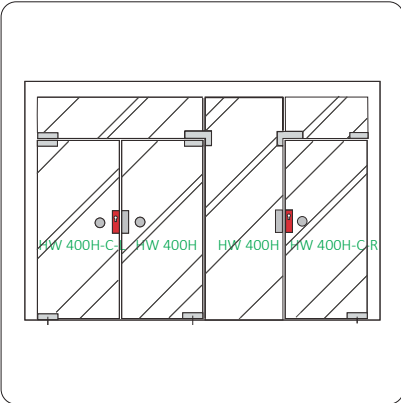
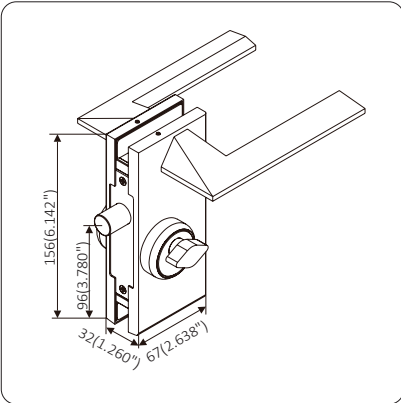
HW 100 (Centre lock keeper patch fitting)

Model #	Glass Thickness	Cover MTL
HW-100-C-L	10-12mm(3/8"-1/2")	Stainless steel /
		Aluminum



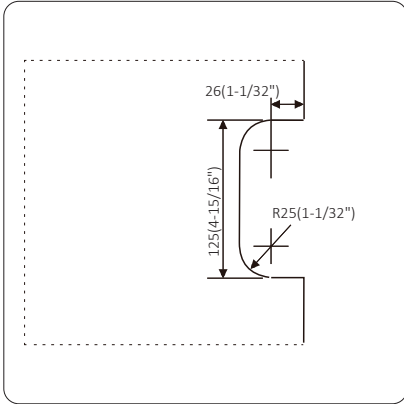
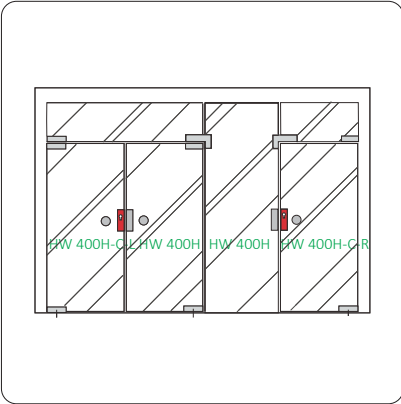
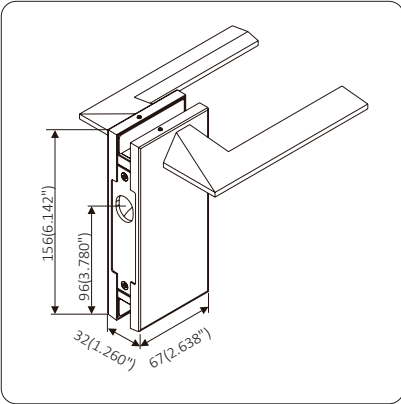
HW 400H-C Centre patch lock fitting

Model #	Glass Thickness	Cover MTL
HW-400H-C-L	10-12mm(3/8"-1/2")	Stainless steel /
HW-400H-C-R	10-12mm(3/8"-1/2")	Aluminum



HW 400H Centre lock keeper patch fitting

Model #	Glass Thickness	Cover MTL
HW-400H	10-12mm(3/8"-1/2")	Stainless steel /
		Aluminum



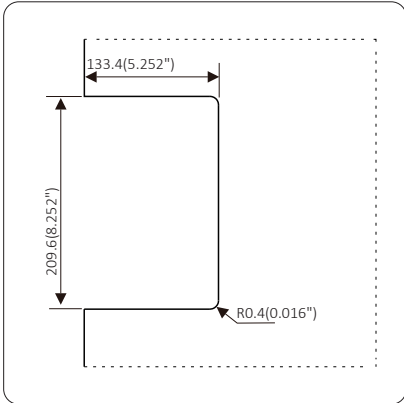
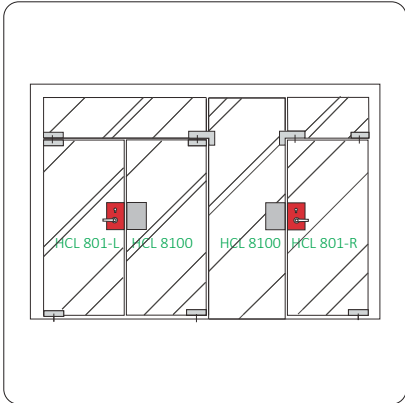
HCL 801 6" x 10" Center Passage Lock

Model #	Glass Thickness	Cover MTL
HCL-801L-PULL-10	10mm(3/8")	Stainless steel / Aluminum
HCL-801L-PUSH-10		
HCL-801R-PULL-10		
HCL-801R-PUSH-10		
HCL-801L-PULL-12	12mm(1/2")	
HCL-801L-PUSH-12		
HCL-801R-PULL-12		
HCL-801R-PUSH-12		



The Function instruction

- Trim from either side retracts latchbolt at all times



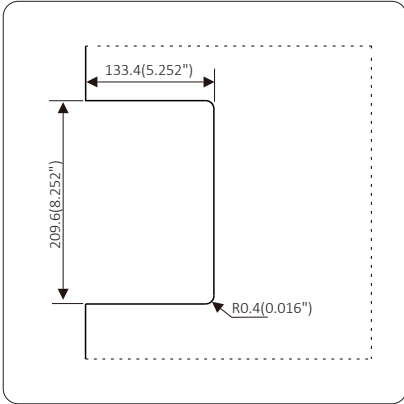
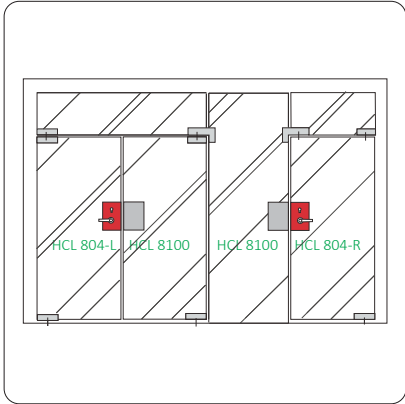
HCL 804 6" x 10" Center Office Lock

Model #	Glass Thickness	Cover MTL
HCL-804L-PULL-10	10mm(3/8")	Stainless steel / Aluminum
HCL-804L-PUSH-10		
HCL-804R-PULL-10		
HCL-804R-PUSH-10		
HCL-804L-PULL-12	12mm(1/2")	
HCL-804L-PUSH-12		
HCL-804R-PULL-12		
HCL-804R-PUSH-12		



The Function instruction

- Key outside retracts latchbolt.
- Trim inside always retracts latchbolt, outside trim remains locked.
- Trim outside is locked & unlocked by the toggle only.

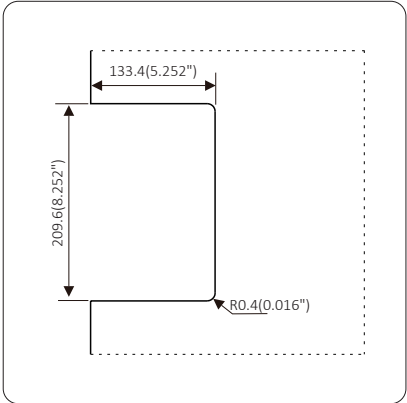
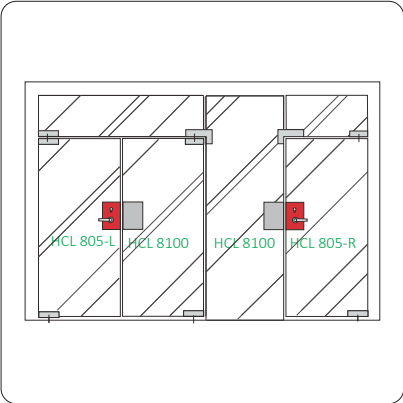


HCL 805 6" x 10" Center Classroom Lock

Model #	Glass Thickness	Cover MTL
HCL-805L-PULL-10	10mm(3/8")	Stainless steel / Aluminum
HCL-805L-PUSH-10		
HCL-805R-PULL-10		
HCL-805R-PUSH-10		
HCL-805L-PULL-12	12mm(1/2")	
HCL-805L-PUSH-12		
HCL-805R-PULL-12		
HCL-805R-PUSH-12		



- The Function instruction
- Key outside retracts latchbolt, also locks & unlocks outside trim.
 - Trim inside always retracts latchbolt.
 - Auxiliary deadlatch.

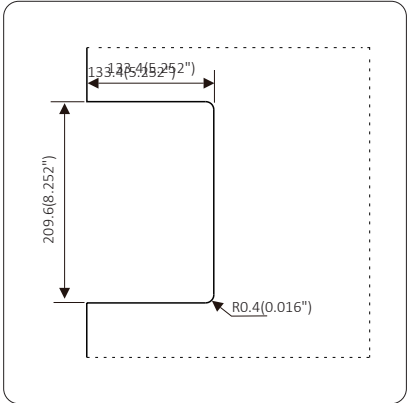
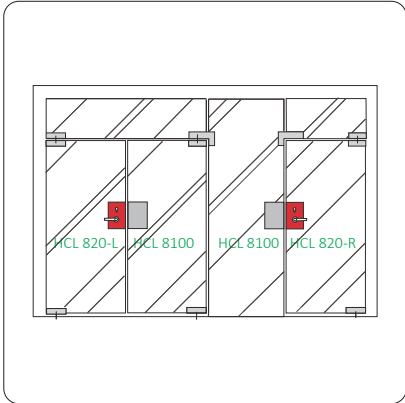


HCL 820 6" x 10" Center Entrance Lock

Model #	Glass Thickness	Cover MTL
HCL-820L-PULL-10	10mm(3/8")	Stainless steel / Aluminum
HCL-820L-PUSH-10		
HCL-820R-PULL-10		
HCL-820R-PUSH-10		
HCL-820L-PULL-12	12mm(1/2")	
HCL-820L-PUSH-12		
HCL-820R-PULL-12		
HCL-820R-PUSH-12		



- The Function instruction
- Key and thumbturn both retract & project the deadbolt.
 - Trim outside is locked by toggle or projecting deadbolt.
 - Trim outside is unlocked by toggle only.
 - Key retracts both latchbolt and deadbolt, trim outside remains locked.
 - Trim inside always retracts latchbolt (and deadbolt simultaneously, trim outside remains locked).
 - Auxiliary deadlatch.

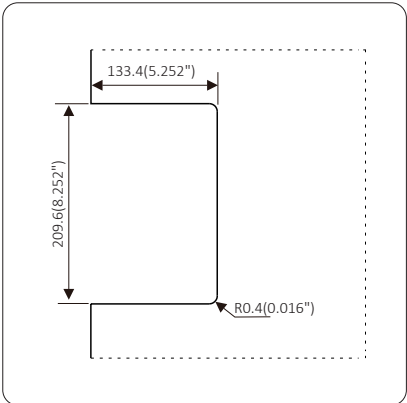
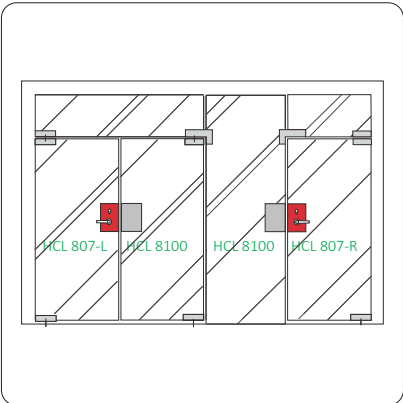


HCL 807 6" x 10" Center Storeroom Lock

Model #	Glass Thickness	Cover MTL
HCL-807L-PULL-10	10mm(3/8")	Stainless steel / Aluminum
HCL-807L-PUSH-10		
HCL-807R-PULL-10		
HCL-807R-PUSH-10		
HCL-807L-PULL-12	12mm(1/2")	
HCL-807L-PUSH-12		
HCL-807R-PULL-12		
HCL-807R-PUSH-12		

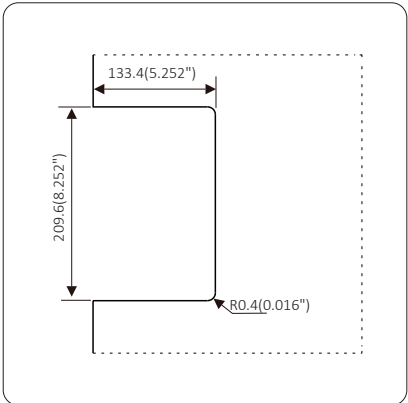
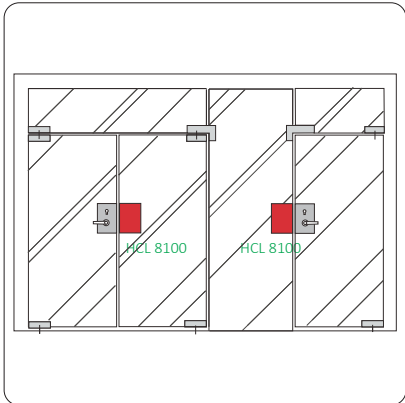


- The Function instruction
- Key outside retracts latchbolt.
 - Trim outside locked at all times.
 - Auxiliary deadlatch.



HCL 8100 6" x 10" Center Lock Glass Keepers

Model #	Glass Thickness	Cover MTL
HCL-8100-10	10mm(3/8")	Stainless steel / Aluminum
HCL-8100-12	12mm(1/2")	



Hardwood management team recognizes and deeply understands that innovation and continuous improvement are key driven force for the company. We keep investing in R&D activities and have clearly defined growing annual budget for it. Engineers are using modern software, to design internal structure and esthetic appearance.

We keep following new trends, products and techniques in the door control industry. Every quarter Hardwood has regular seminar on new products / trends and each year we set a plan to launch numerous new products.



Customer-Focused Innovation

We collaborate closely with our customers to turn ideas into practical, high-value hardware solutions.



Advanced Engineering & Simulation

Using 3D CAD, FEA, and motion simulation, we validate design performance and optimize for real-world applications.



Prototyping & Testing

In-house prototyping and testing capabilities support design verification, functional evaluation, and performance validation to ensure reliability and product quality before mass production.



Design for Manufacturability (DFM)

We evaluate every detail to ensure efficient production, consistent quality, and cost-effective results.



Quality & Reliability

Ensured through strict material control, standardized processes, and comprehensive testing at every production stage to deliver consistent performance and durability.



Continuous Improvement

We invest in tools, talent, and processes to continuously drive innovation and improve performance outcomes.



SOLUTIONS

Solutions tailored for modern door hardware and access control applications.
Engineered to deliver security, durability, and seamless user experience.



Campus



Residential



Government



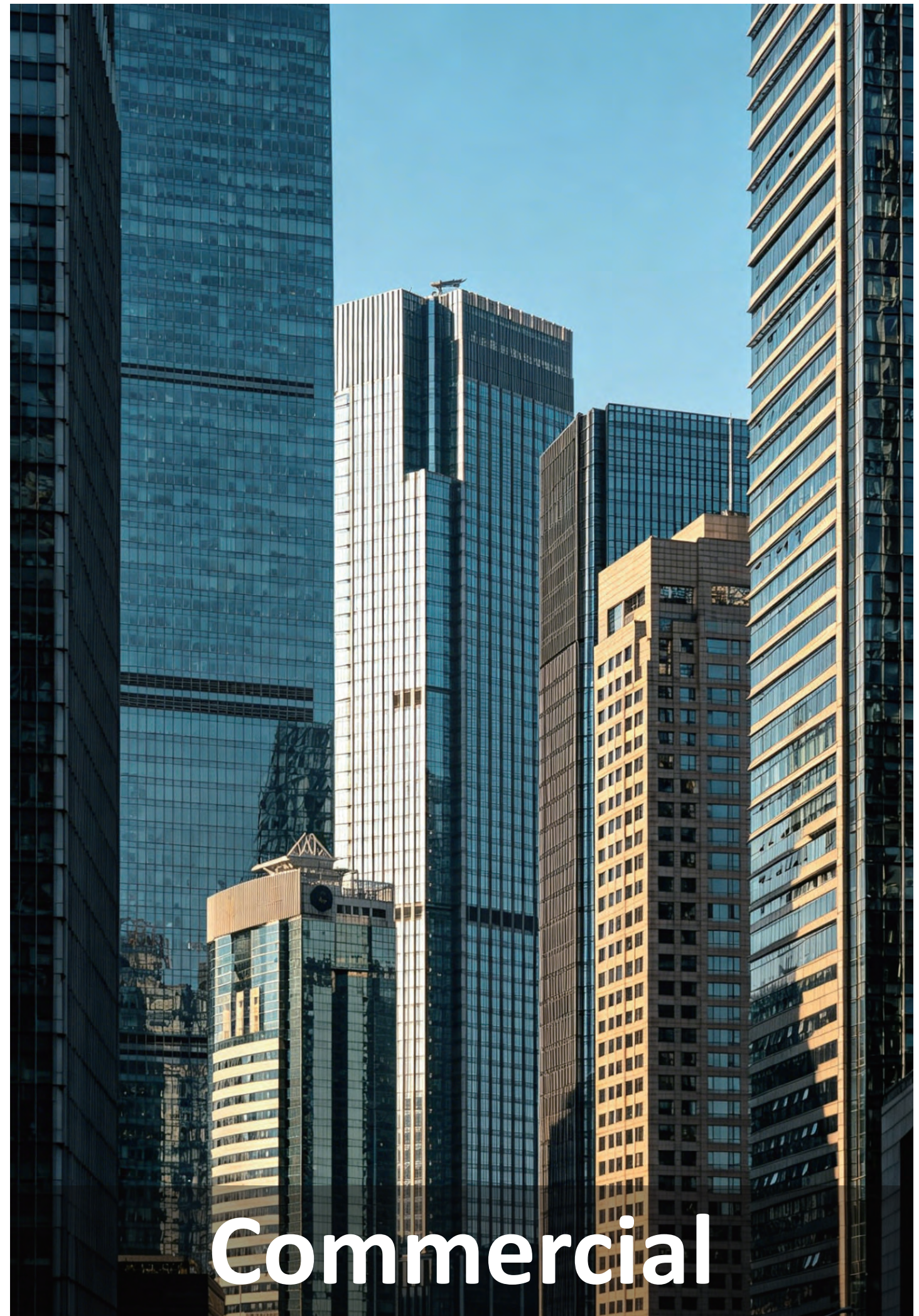
Healthcare



Banking



Airport



Commercial