



Architectural Hinges

Pivots



Reinforcing

251 Full Surface
For 3½" (89 mm) Wide Hinge

252 Full Surface
For 4" (102 mm) Wide Hinge

253 Full Surface
For 4½" (114 mm) Wide Hinge

254 Full Surface
For 5" (127 mm) Wide Hinge

- Handed

Item no.	Butt hinge width		Projection †		Door thickness	
	Inches	mm	Inches	mm	Inches	mm
251	3½	89	5/8	16	1⅝	35
252	4	102	1/2	12.5	1¾	45
253	4½	114	3/4	19	1¾	45
254	5	127	1	25	1¾	45

† Projection from centerline of pivot to face of door

Gauge of Metal	Screw Size	
	Machine	Wood
0.187	¾ x 1/4-20	1¼ x 14



495 - Top



496 - Intermediate



497 - Bottom

Ball and Thrust Bearing - Heavy Weight

For use on heavy weight doors of wood or metal exterior or interior receiving high frequency use

495 Top
Forged Bronze
- ANSI C07162

496 Intermediate
Forged Bronze
- ANSI C07321

497 Bottom
Forged Bronze
- ANSI C07131

- ¾" (19 mm) offset
- Two knuckle
- Handed

Recommendations for use:

- For doors up to and including 3'0" x 8'0" (91 x 244 cm) weighing maximum of 350 pounds, apply all three pivots #495, #496, #497
- For doors over 3'6" (107 cm) up to 4'0" (122 cm) in width, add one additional intermediate pivot #496
- For each additional 12" (305 mm) in door height over 8'0" (244 cm) add one intermediate pivot #496

Type and Item no.	Hole Count	Screw Size	
		Machine	Wood
495 - Top	8	5/8 x 1/4-20	1½ x 14
496 - Intermediate	10	5/8 x 1/4-20	1½ x 14
497 - Bottom	8	5/8 x 1/4-20	1½ x 14



Head Pivot



Floor Pivot

Single Acting

Rack and Pinion

500 ANSI A2792

- Pivot opens door to 105° maximum
- Non-handed
- Concealed
- Adjustable alignment

Designed for:

- 1¾" (45 mm) thick door
- Maximum weight not over 80 pounds
- Not to exceed 3' (91 cm) wide and 7' (213 cm) high
- Frame not to have door stop at head & pivot jamb
- Consult engineering for doors other than 1¾"

Screw Size	
Machine	Wood
Upon Request	1¼ x 12 FH†

† Plastic cinch anchors



Head Pivot



Floor Pivot

Single Acting - Heavy Weight

Heavy duty rack and pinion

550 ANSI A2793

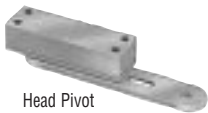
- Pivot opens door to 105° maximum
- Non-handed
- Concealed
- Adjustable alignment

Designed for:

- 1¾" (45 mm) thick door
- Maximum weight not over 150 pounds
- Not to exceed 3' (91 cm) wide and 7' (213 cm) high
- Frame not to have door stop at head & pivot jamb
- Consult engineering for doors other than 1¾"

Screw Size	
Machine	Wood
Upon Request	1¼ x 12 FH†

† Plastic cinch anchors



Head Pivot

Camtrol Double Acting - Hospital Set - Rescue Hardware

Mortise application in wood floor



Floor Pivot

510 *Includes head and floor pivots only
- ANSI A5702

600 Includes head and floor pivots with door release (set)
- ANSI A5702

610 Door Release
- ANSI A1882

For use on:

- Up to 135 lb wood or metal doors
- Not over 3'6" (107 cm) x 7' (213 cm)
- Wood or metal frames



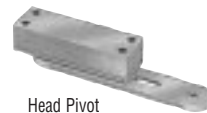
Door Release

Item No.	Anchor Housing	
	Inches	mm
510 & 600	37/8 x 17/8 x 7/8	98 x 48 x 22

Door Mount Brackets Screw Size		Head Cam Box Screw Size		Floor Cam Box Screw Size	
Machine	Wood	Machine	Wood	Machine	Wood
1/2 x 12-24 FH	1 1/4 x 12 FH	1 1/4 x 12-24 FH	1 1/2 x 12-24 FH	-	1 1/2 x 12 FH

Item No. 610					
Mortise Depth		Face Plate		Screw Size	
Inches	mm	Inches	mm	Machine	Wood
1 13/16	46	1 1/2 x 4 1/2 x 3/16	38 x 114 x 5	1/2 x 12-24 FH	1 1/4 x 12 FH

* For use with square edge doors on hinge side



Head Pivot

Camtrol Double Acting - Hospital Set - Rescue Hardware

Surface application in masonry floor



Floor Pivot

512 *Includes head and floor pivots only
- ANSI A5702

612 Includes head and floor pivots with door release (set)
- ANSI A5702

610 Door Release
- ANSI A1882

For use on:

- Up to 135 lb wood or metal doors
- Not over 3'6" (107 cm) x 7' (213 cm)
- Wood or metal frames



Door Release

Item No.	Anchor Housing	
	Inches	mm
512 & 612	37/8 x 1 1/4 x 7/8	98 x 32 x 22

Door Mount Brackets Screw Size		Head Cam Box Screw Size		Floor Cam Box Screw Size	
Machine	Wood	Machine	Wood	Machine	Wood
1/2 x 12-24 FH	1 1/4 x 12 FH	1 1/4 x 12-24 FH	1 1/2 x 12-24 FH	-	1 1/2 x 12 FH†

Item No. 610					
Mortise Depth		Face Plate		Screw Size	
Inches	mm	Inches	mm	Machine	Wood
1 13/16	46	1 1/2 x 4 1/2 x 3/16	38 x 114 x 5	1/2 x 12-24 FH	1 1/4 x 12 FH

† Plastic cinch anchors

* For use with square edge doors on hinge side



Head Pivot

Camtrol Double Acting - Hospital Set - Rescue Hardware

Mortise application in masonry floor



Floor Pivot

511 *Includes head and floor pivots only
- ANSI A5702

611 Includes head and floor pivots with door release (set)
- ANSI A5702

610 Door Release
- ANSI A1882

For use on:

- Up to 135 lb wood or metal doors
- Not over 3'6" (107 cm) wide and 7' (213 cm) high
- Wood or metal frames



Door Release

Item No.	Anchor Housing	
	Inches	mm
511 & 611	37/8 x 1 1/4 x 7/8	98 x 32 x 22

Door Mount Brackets Screw Size		Head Cam Box Screw Size		Floor Cam Box Screw Size	
Machine	Wood	Machine	Wood	Machine	Wood
1/2 x 12-24 FH	1 1/4 x 12 FH	1 1/4 x 12-24 FH	1 1/2 x 12-24 FH	-	1 1/2 x 12 FH†

Item No. 610					
Mortise Depth		Face Plate		Screw Size	
Inches	mm	Inches	mm	Machine	Wood
1 13/16	46	1 1/2 x 4 1/2 x 3/16	38 x 114 x 5	1/2 x 12-24 FH	1 1/4 x 12 FH

† Plastic cinch anchors

* For use with square edge doors on hinge side



Heavy Weight Pivot

For frameless openings

615 ANSI A8782

For use on:

- Doors up to 150 lbs. and 1 3/8" - 1 3/4" thick
- Pivot opens door to 180° maximum
- Screw slots for horizontal or vertical adjustment

Screw Size
Wood
12 x 1 1/4



Architectural Hinges

Pivots



Center Hung



1/8" Inset Hung

Double Lipped Strike

For use with Camtrol Double Acting Pivot

451 Center Hung Doors

Brass
- ANSI A1882

452 Center Hung Doors

Brass
- ANSI A1882

453 1/8" Inset Hung Doors

Brass
- ANSI A1882

454 1/8" Inset Hung Doors

Brass
- ANSI A1882

- To be used with Hager's 600, 611, and 612 pivots and door release. This allows doors to be opened in both directions without damage to frame.
- Standard latchbolt cut out is 1 1/4" x 1 1/16" (32 x 17 mm) which meets ANSI Standard for both heavy duty cylindrical and mortise latchbolts. **Be sure to check each specific manufacturer for variations of this dimension.**

Item No.	Face Plate		Gauge of Metal	Hole Count	Screw Size
	Inches	mm			
451	5 3/4 x 2 3/4	146 x 70	0.093	6	1/2 x 8-32 FH
452	6 3/4 x 2 3/4	171 x 70	0.093	6	1/2 x 8-32 FH
453	5 3/4 x 2 3/4	146 x 70	0.093	6	1/2 x 8-32 FH
454	6 3/4 x 2 3/4	171 x 70	0.093	6	1/2 x 8-32 FH



Center Hung



1/8" Inset Hung

Combination Rescue Door Stop and Two Way Strike Plate

Hager counterweight door stop is used in conjunction with our double lipped strike

455 Center Hung Doors

Brass
- ANSI A1882

456 Center Hung Doors

Brass
- ANSI A1882

457 1/8" Inset Hung Doors

Brass
- ANSI A1882

458 1/8" Inset Hung Doors

Brass
- ANSI A1882

- Handed
- To be used with Hager's 510, 511, and 512 pivots. Door release allows doors to be opened in both directions without damage to frame.
- Standard latchbolt cut out is 1 1/4" x 1 1/16" (32 x 17 mm) which meets ANSI Standard for both heavy duty cylindrical and mortise latchbolts. **Be sure to check each specific manufacturer for variations of this dimension.**

Item No.	Face Plate		Gauge of Metal	Hole Count	Screw Size
	Inches	mm			
455	5 3/4 x 2 3/4	146 x 70	0.093	6	1/2 x 8-32 FH
456	6 3/4 x 2 3/4	171 x 70	0.093	6	1/2 x 8-32 FH
457	5 3/4 x 2 3/4	146 x 70	0.093	6	1/2 x 8-32 FH
458	6 3/4 x 2 3/4	171 x 70	0.093	6	1/2 x 8-32 FH