



IVES

IVES Customer Service:

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Finish List

KEY TO BASE MATERIALS & PROCESS SYMBOLS

IVES MATERIAL SYMBOL	MATERIAL	PROCESS
A	Aluminum	Burnished
MA & PA	Aluminum	Polished
B & MB	Brass or Bronze	Polished
BB	Brass or Bronze	Burnished
F	Iron or Steel	Burnished
P	Plastic	n/a
R	Rubber	n/a
S	Stainless Steel	Polished
Z	Zinc	Burnished

IVES finish designations include both the U.S. Standard Finish Symbol used for many years throughout the Builders Hardware Industry and the ANSI/BHMA. Standard for Materials and Finishes.

This cross reference of ANSI/BHMA three digit designations and the nearest U.S. Standard equivalent is provided for your convenience in selecting the product, base material and finish required.

ANSI/BHMA STANDARD FOR MATERIALS AND FINISHES

American National Standards Institute Inc.
Builders Hardware Manufacturers Association

KEY TO FINISHES

Ives Finish No. If other than ANSI/BHMA	ANSI/BHMA Code	Finish Description	Base Material	Nearest U.S. Equivalent
AP	-	Aluminum, Prime Painted	Aluminum	-
A	-	Almond Epoxy Coated	Aluminum	-
BLK	-	Black Epoxy Coated	Aluminum	-
BLK	-	Black Plastic	Plastic	-
BRN	-	Brown Plastic	Plastic	-
CLR	-	Clear Plastic	Plastic	-
P	-	Plastic	Plastic	-
R	-	Rubber	Rubber	-
R	-	Red Epoxy Coated	Aluminum	-
T	-	Teal Epoxy Coated	Aluminum	-
W	-	White Epoxy Coated	Aluminum	-
505	-	Bright Brass, Lifetime Finish	Brass	-
FP or USP	600	Primed for painting	Steel	USP
2C or 2G	603	Zinc plated	Steel	US2G
2G	604	Zinc plated and dichromate sealed	Steel	US2G
3	605	Bright brass, clear coated	Brass	US3
4	606	Satin brass, clear coated	Brass	US4
5	609	Satin brass, blackened, satin relieved, clear coated	Brass	US5
9	611	Bright bronze, clear coated	Bronze	US9
10	612	Satin bronze, clear coated	Bronze	US10
10B	613	Dark oxidized satin bronze, oil rubbed	Bronze	US10B
14	618	Bright nickel plated, clear coated	Brass, Bronze	US14
15	619	Satin nickel plated, clear coated	Brass, Bronze	US15
15A	620	Satin nickel plated, blackened, satin relieved, clear coated	Brass, Bronze	US15A
19 or SPBLK	622	Flat Black Coated	Brass, Bronze	US19
20A	624	Dark oxidized, statuary bronze, clear coated	Bronze	US20A
26	625	Bright chromium plated	Brass, Bronze	US26
26D	626	Satin chromium plated	Brass, Bronze	US26D
27	627	Satin aluminum, clear anodized Aluminum	Aluminum	US27
28BE	-	Etched, Black Anodized	Aluminum	-

KEY TO FINISHES (continued)

Ives Finish No. If other than ANSI/BHMA	ANSI/BHMA Code	Finish Description	Base Material	Nearest U.S. Equivalent
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32	629	Bright stainless steel	Stainless steel 300 series	US32
32D	630	Satin stainless steel	Stainless steel 300 series	US32D
18A or SPBLK	631	Flat Black Coated	Steel	US19
3	632	Plated bright brass, clear coated	Steel	US3
4	633	Plated satin brass, clear coated	Steel	US4
5	638	Plated satin brass, blackened, satin relieved, clear coated	Steel	US5
10	639	Plated satin bronze, clear coated	Steel	US10
10B	640	Oxidized satin bronze plated over copper plate, oil rubbed	Steel	US10B
14	645	Bright nickel plated, clear coated	Steel	US14
15	646	Satin nickel plated, clear coated	Steel	US15
15A	647	Satin nickel plated, blackened, satin relieved, clear coated	Steel	US15A
20A	650	Plated dark oxidized statuary bronze, clear coated	Steel	US20A
26	651	Bright chromium plated	Steel	US26
26D	652	Satin chromium plated	Steel	US26D
3 or 3AL	666	Plated bright brass, clear coated	Aluminum	US3
4	667	Plated satin brass, clear coated	Aluminum	US4
10 or 10AL	668	Plated satin bronze, clear coated	Aluminum	US10
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15	670	Satin nickel plated	Aluminum	US15
19	671	Flat Black Coated	Aluminum	US19
26	672	Bright chromium plated	Aluminum	US26
92	673	Aluminum clear coated	Aluminum	
USP	674	Primed for painting	Zinc	USP
SPBLK	676	Flat Black Coated	Zinc	US19
28G or 3AL	688	Satin aluminum, gold anodized	Aluminum	US4
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69	690	Dark bronze painted	Any	US20
SP10	691	Light bronze painted	Any	US10
SPBLK	693	Black painted	Any	(Black Aluminum Hard Coat)
SP313	695	Dark bronze painted	Any	(Dark Bronze Aluminum Hard Coat)
63	696	Satin brass painted	Any	US4
26D	702	Satin chromium plated	Aluminum	US26D
10B	703	Oxidized satin bronze plated, oil rubbed	Aluminum	US10B
SP4	706	Brass		
313AN	710	Dark Bronze Anodized	Aluminum	313AN
315AN	711	Black Anodized	Aluminum	315AN
4A	720	Mill finish, Brass, uncoated	Brass	US4A
3A	721	Bright Brass, uncoated	Brass	US3A
10A	722	Dark oxidized bronze, oil, rubbed	Bronze	US10A

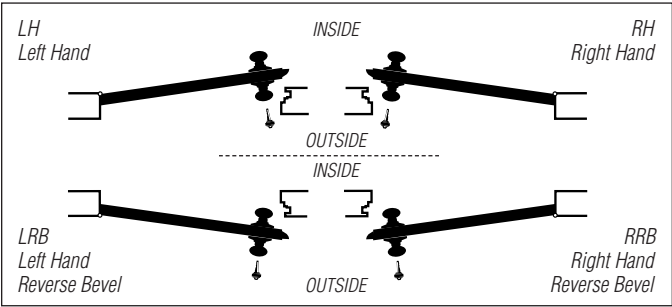
Packaging, Handling

Packaging Key

Many Ives items are available in a variety of packaging forms designated by a prefix. The Ives Price Book contains the specific packaging options for each Ives product. Below is a description of these options.

Symbol	Package	Description of Package
No prefix	Box	Standard box-packed products, polybagged or wrapped
BP	BIN-PAK	Polybagged, in a preset quantity, boxed for stocking convenience
C or CP	Carded	Skin-wrapped and blister cards
DCS	Clip Strip, Carded	Skin-wrapped and blister cards for hanging clip displays
RP	Retail Pack	Polybagged, in a convenient shelf-stocker box, in small quantity
SP	SLIM-PAK	Polybagged, in a convenient shelf-stocker box

Door Handling



Ives & Glynn-Johnson Product Conversions

On September 1, 2001, IR Security & Safety consolidated its Ives Commercial and Glynn-Johnson brands of accessory hardware into one powerful line under the Ives brand name. (Glynn-Johnson now manufactures only overhead stops and push/pull latches. For more details, visit the Glynn-Johnson web site at www.glynn-johnson.com.)

The chart below lists current model information along with their predecessors. Initially, these product conversions affected our commercial accounts. With the 2002 Price Book 23, the conversions took effect for residential accounts as well.

Category	Description	Model Numbers effective September 1, 2001	Pre-September Brand & Model Number	Pre-September Ives Model Numbers (or closest equivalent)	Pre-September Glynn-Johnson Model Numbers (or closest equivalent)
FLUSH BOLTS & accessories	Automatic Flush Bolts - Metal Doors	FB30 Series	G-J FB30 Series	559	FB30 Series
	Automatic Flush Bolts - Wood Doors	FB40 Series	G-J FB40 Series	556	FB40 Series
	Constant Latching Flush Bolts - Metal Doors	FB50 Series	G-J FB50 Series	357	FB50 Series
	Constant Latching Flush Bolts - Wood Doors	FB60 Series	G-J FB60 Series	356	FB60 Series
	Manual Flush Bolts	FB256N	Ives 256	256	-
	Manual Flush Bolts	FB257N	Ives 257	257	-
	Manual Flush Bolts	FB258N	Ives 258	258	-
	Manual Flush Bolts - Wood Doors	FB358	Ives 358	358	FB6W
	Manual Flush Bolts	FB457	Ives 457	457	-
	Manual Flush Bolts	FB457N	Ives 457-1/2	457-1/2	-
	Manual Flush Bolts	FB458	Ives 458	458	FB6
	Manual Flush Bolts	FB458N	Ives 458-1/2	458-1/2	-
	Manual Flush Bolts	FB0458N	Ives 0458	0458	-
	Dust Proof Strikes	DP1	G-J DP1	489	DP1
	Dust Proof Strikes	DP2	G-J DP2	489 x 487	DP2
	Dust Proof Strikes	DP3	-	488	-
	Dust Proof Strikes	DP4	-	488 x 487	-
COORDINATORS & accessories	Coordinators - Bar Type	COR32	G-J COR1	936	COR1
	Coordinators - Bar Type	COR42	G-J COR1A	-	COR1A
	Coordinators - Bar Type	COR52	G-J COR2	948	COR2
	Coordinators - Bar Type	COR60	G-J COR3	956	COR3
	Coordinators - Bar Type	COR72	G-J COR4	-	COR4
	Filler Bars	FL20	G-J FB1	903-22 (various lengths)	FB1
	Filler Bars	FL32	G-J FB2	903-34 (various lengths)	FB2
	Filler Bars	FL44	G-J FB3	903-38 (various lengths)	FB3
	Carry Bars	CB1	G-J CB1	478, 478-1/2	CB1
	Mounting Brackets	MB1	G-J BX1	902	BX1
	Mounting Brackets	MB2	G-J BX2	901	BX2
	Mounting Brackets	MB1F	Ives 904-1FP	904-1FP	BX2F
	Mounting Brackets	MB2F	Ives 904-2FP	904-2FP	BX1F*
	Mounting Brackets	MB3F	Ives 904-3FP	904-3FP	BX1F*
	Mounting Brackets	MB1V	Ives modified 904-1FP	904-1FP	BX2V
	Mounting Brackets	MB2V	Ives modified 904-2FP	904-2FP	BX1V*
	Mounting Brackets	MB3V	Ives modified 904-3FP	904-3FP	BX1V*
	Coordinators - Gravity	COR7G	G-J COR65	469	COR65
	Coordinators - Gravity	COR9G	G-J COR85	469-1/2	COR85
	* Watch for stop widths.				
PIVOTS	Offset and Center Hung Pivots	7200 Series	G-J 7200 Series	-	7200 Series
	Pocket Pivots	91105F	Dor-O-Matic 91105F	-	-
FLOOR STOPS	Risers for Dome Stops	R435	Ives 435	435	-
	Dome Stops	FS436	Ives 436	436	-
	Risers for Dome Stops	R437	Ives 437	437	-
	Dome Stops	FS438	Ives 438	438	-
	Dome Stops	FS13	G-J FB13	-	FB13 & FB15
	Dome Stops	FS17	G-J FB17	-	FB17
	Risers for Dome Stops	R14	G-J FB14R	-	FB14R
	Plunger Type Door Holders	FS1153	G-J 1153M	-	1153M
	Plunger Type Door Holders	FS1154	G-J 1154	-	1154
	Kick Down Door Holders	FS452-4	Ives 452-4"	452-4"	-
	Kick Down Door Holders	FS452-5	Ives 452-5"	452-5"	-
	Kick Down Door Holders	FS455	Ives 455	455	44 & 45
	Kick Down Door Holders	FS544-4	G-J 444	-	444
	Kick Down Door Holders	FS555-5	G-J 555	-	555
	Semi-Automatic Door Holders & Stops	FS9	G-J F9X	-	F9X
	Security Floor Stops	FS18S	G-J FB18S	-	FB18S
	Security Floor Stops	FS18L	G-J FB18L	-	FB18L

Ives & Glynn-Johnson Product Conversions

Category	Description	Model Numbers effective September 1, 2001	Pre-September Brand & Model Number	Pre-September Ives Model Numbers (or closest equivalent)	Pre-September Glynn-Johnson Model Numbers (or closest equivalent)
FLOOR STOPS	Lock Guards	LG14	G-J XLP12	-	XLP12
	Floor Stops	FS434	Ives 434	434	-
	Floor Door Stops	FS441	Ives 441	441	-
	Floor Door Stops	FS441-WS	Ives 441-WS	441-WS	-
	Floor Door Stops	FS442	Ives 442	442	FB19X
	Floor Door Stops	FS442-WS	Ives 442-WS	442-WS	FB19
	Heavy Duty Door Stops	FS444	Ives 444	444	FB36
	Heavy Duty Door Stops & Holders	FS446	Ives 446	446	F-26
	Heavy Duty Door Stops	FS448	Ives 448	448	-
	Heavy Duty Door Stops & Holders	FS450	Ives 450	450	-
	Door Stop & Holders	FS451	Ives 451	451	F20X
	Door Stop & Holders	FS451-WS	Ives 451-WS	451-WS	F20
	Automatic Door Stops & Holders	FS495	Ives 495	495	-
	Automatic Door Stops & Holders	FS496	Ives 496	496	-
	Automatic Door Stops & Holders	FS40	G-J F40A	-	F40A
	Automatic Door Stops & Holders	FS41	G-J F41A	-	F41A
	Automatic Door Stops & Holders	FS42	G-J F42A	-	F42A
	Automatic Door Stops & Holders	FS43	G-J F43A	-	F43A
	Strikes for FS40 Series	STK40	G-J F40	-	F40
	Strikes for FS40 Series	STK41	G-J F41	-	F41
	Strikes for FS40 Series	STK42	G-J F42	-	F42
	Strikes for FS40 Series	STK43	G-J F43	-	F43
WALL STOPS	Wall Stops	WS11	G-J WB11	-	WB11
	Wall Stops	WS11X	G-J WB11X	-	WB11X
	Wall Stop Holders & Strikes	WS20	G-J W20	-	W20
	Wall Stops	WS20X	G-J W20X	-	W20X
	Wall Stops	WS33	G-J WB33	-	WB33
	Wall Stops	WS33X	G-J WB33X	-	WB33X
	Automatic Holders & Stops	WS40	G-J W40	-	W40
	Automatic Holders & Stops	WS45	G-J W-45A	-	W-45A
	Automatic Holders & Stops	WS45X	G-J W-45AX	-	W-45AX
	Base Door Stops	WS65	Ives 65	65	-
	Heavy Duty Wall Stops & Holders	WS443	Ives 443	443	-
	Heavy Duty Wall Stops & Holders	WS445	Ives 445	445	W-27
	Heavy Duty Wall Stops & Holders	WS447	Ives 447	447	WB35
	Heavy Duty Wall Stops & Holders	WS449	Ives 449	449	-
	Wall Bumpers	WS401CVX	Ives 401	401	50C-Wood Screws
	Wall Bumpers	WS401CCV	Ives 401-1/2	401-1/2	60C-Wood Screws
	Wall Bumpers	WS402CVX	Ives 402	402	50C
	Wall Bumpers	WS402CCV	Ives 402-1/2	402-1/2	60C
	Wall Bumpers	WS404CVX	Ives 404	404	25C
	Wall Bumpers	WS406CVX	Ives 406	406	50W-Wood Screws
	Wall Bumpers	WS406CCV	Ives 406-1/2	406-1/2	60W-Wood Screws
	Wall Bumpers	WS407CVX	Ives 407	407	50W
	Wall Bumpers	WS407CCV	Ives 407-1/2	407-1/2	60W
SILENCERS	Silencers	SR64	GJ 64	20R	64
	Silencers	SR65	GJ 65	21R	65
	Silencers	SR66	GJ 66	-	66
ROLLER BUMPERS	Roller Bumpers	RB470	Ives 470	470	RB3
	Roller Bumpers	RB471	Ives 471	471	RB4
	Roller Bumpers	RB472	Ives 472	472	RB6

Ives & Glynn-Johnson Product Conversions

Category	Description	Model Numbers effective September 1, 2001	Pre-September Brand & Model Number	Pre-September Ives Model Numbers (or closest equivalent)	Pre-September Glynn-Johnson Model Numbers (or closest equivalent)
	LATCHES	Invisible Latches	CL11	G-J AA	- AA
	Invisible Latches	CL12	G-J BB	-	BB
	Auxiliary Pushers	CL14	G-J AP-2	-	AP-2
	Ball Type Door or Cabinet Latches	CL21	G-J 21	-	21
	Ball Type Door or Cabinet Latches	CL21A	G-J 21A	-	21A
	Ball Type Door or Cabinet Latches	CL22	G-J 22	-	22
	Roller Latches	RL30	G-J 30	-	30
	Roller Latches	RL30F	G-J 30F	-	30F
	Roller Latches	RL32	G-J 32	-	32
	Roller Latches	RL32F	G-J 32F	-	32F
	Roller Latches	RL36	G-J 36	-	36
	Roller Latches	RL38	G-J 38	-	38
	Roller Latches	RL1152	G-J SK1152B	-	SK1152B
	Strikes for Roller Latch	STK726	G-J SK726	-	SK726
	Strikes for Roller Latch	STK685	G-J SK685	-	SK685
	Strikes for Roller Latch	STK685L	G-J SK685L	-	SK685L
	Applied Stops	AS18	G-J SP-18	-	SP-18
	Applied Stops	AS895	G-J SK895	-	SK895
CRASH STOPS	Crash Stops	CS115-20	Ives 115 20-1/2	115 20-1/2	-
	Crash Stops	CS115-25	Ives 115 25-1/2	115 25-1/2	-
	Crash Stops	CS115-30	Ives 115 30-1/2	115 30-1/2	-
HAND RAIL BRACKETS	Hand Rail Brackets	HB158	Ives 158	158	-
		HB159A, HB159B	Ives 159	159	-
		HB162	Ives 162	162	-
LOCK GUARDS	Lock Guards	LG1-US32D	G-J LP1	-	LP1
	Lock Guards	LG1-US2G	G-J LP2	-	LP2
	Lock Guards	LG1-USP	G-J LP3	-	LP3
	Lock Guards	LG1-SP313	G-J LP4	-	LP4
	Lock Guards	LG1-US4	G-J LP5	-	LP5
	Lock Guards	LG1-US10	G-J LP6	-	LP6
	Lock Guards	LG7	G-J XLP7	-	XLP7
	Lock Guards	LG10	G-J LP10	180	LP10
	Lock Guards	LG11	G-J LP11	-	LP11
	Lock Guards	LG12	G-J LP12	182	LP12
	Lock Guards	LG13	G-J LP13	184	LP13
	Lock Guards	LG14	G-J XLP12	-	XLP12
SURFACE BOLTS	8" Steel Surface Bolts - Bottom	SB1630B	G-J 1631	361-8-MS	1631
	8" Steel Surface Bolts - Top	SB1630T	G-J 1632	361-8-US	1632
	8" Steel Surface Bolts - Top & Btm Strikes	SB1630TB	G-J 1651	-	1651
	8" Steel Surface Bolts - Locking Bottom	SB1630BL	G-J 1631L	-	1631L
	8" Steel Surface Bolts - Locking Top	SB1630TL	G-J 1632L	-	1632L
	8" Steel Surface Bolts - Locking, Top & Btm	SB1630TBL	G-J 1651L	-	1651L
	8" Brasss Surface Bolts - Bottom	SB1640B	G-J 1641	-	1641
	8" Brasss Surface Bolts - Top	SB1640T	G-J 1642	-	1642
	8" Brasss Surface Bolts - Locking Bottom	SB1640BL	G-J 1641L	-	1641L
	8" Brasss Surface Bolts - Locking Top	SB1630TL	G-J 1642L	-	1642L
	12" and 24" Heavy Duty Surface Bolts	SB360-12-T	Ives 360 12"	360 12"	-
	12" and 24" Heavy Duty Surface Bolts	SB360-24-T	Ives 360 24"	360 24"	-
	Heavy Duty Surface Bolts	SB453-8-TB	Ives 453 - 8"	453 - 8"	1708TB
	Heavy Duty Surface Bolts	SB453-12-TB	Ives 453 - 12"	453 - 12"	1712TB
	Heavy Duty Surface Bolts	SB453-18-TB	Ives 453 - 18"	453 - 18"	-
	Heavy Duty Surface Bolts	SB453-24-TB	Ives 453 - 24"	453 - 24"	-
	Security Surface Bolts - Top Strike	SB0454-5-T	Ives 0454 5"	0454 5"	-
	Security Surface Bolts - Top & Btm Strikes	SB0454-8-TB	Ives 0454 8"	0454 8"	-
	Security Surface Bolts - Top Strike	SB454-5-T	Ives 454 5"	454 5"	-
	Security Surface Bolts - Top & Btm Strikes	SB454-8-T	Ives 454 8"	454 8"	-
	Security Surface Bolts - Top & Btm Strikes	SB454-12-TB	Ives 454 12"	454 12"	-
ARCHITECTURAL DOOR TRIM	Pulls, Push Plates, Pull Plate, Kick Plates, Mop Plates, Armor Plates	8000 Series	Ives 8000 Series	8000 Series	--

Section A

Flush Bolts and
Coordinators








IVES®

Automatic Flush Bolts - Metal Doors

FB30 Series for Metal Doors

- Fully Automatic—inactive door is latched when active door closes, bolts retract when active door is opened.
- Low Actuation Forces—Top Bolt Has No Spring Tension.
- UL Listed for Fire Doors.
- Fits standard ANSI A115.4 Door Frame Preparations.
- Non-handed.
- Models with Auxiliary Fire Latch eliminates the bottom bolt and is UL Listed for Fire Doors.
- Finishes: US3, US4, US10, US10B, US32, US32D.
- Finished Cover Plates permit finish changes in stock or at job site.
- Bolts have 3/4" throw with a 7/8" vertical adjustment.
- Standard Rod Length is 12", which is measured from the center of the flush bolt body to the bolt tip.
- Meets ANSI A156.3 Type 25.
- Optional Dust Proof Strikes—DP1 or DP2, prevents dirt build-up assuring full engagement of bottom bolt.
- Optional rod lengths available for top bolt for non-fire rated openings—18", 24", 36" and 48".

				
<p>FB31P Pair</p> <p>Top and Bottom Bolts</p> <p>Both bolts are non-handed, but are not identical. The top bolt has no spring tension, resulting in lower actuation force with a smoother operation.</p>	<p>FB32</p> <p>Top Bolt with Auxiliary Fire Latch</p> <p>FB32 combination includes FB31T Top Bolt with auxiliary fire latch. Provides a fire-listed application without a bottom bolt— meaning no floor prep and strike. The auxiliary fire latch, mounted in the door edge, releases under extremely high temperatures to keep the doors in alignment during a fire.</p>	<p>FB33</p> <p>Top Bolt with Auxiliary Fire Latch and Retrofit Plate</p> <p>FB33 used to update existing flush bolt installations with auxiliary fire latch eliminating bottom bolt and floor strike. FB33 consists of FB31T Top Bolt, auxiliary Fire Latch and Filler plate to cover existing cutout when bottom bolt is removed.</p>	<p>FB31T</p> <p>Top Bolt Only</p>	<p>FB31B</p> <p>Bottom Bolt Only</p>
<ul style="list-style-type: none"> • UL Listed 3 hours on 8'0" x 10'0" Opening 	<ul style="list-style-type: none"> • UL Listed 3 hours on 8'0" x 8'0" Opening 	<ul style="list-style-type: none"> • UL Listed 3 hours on 8'0" x 8'0" Opening 		

Dimensions:





Body Size: 1" Wide x 6-3/4" Long x 2" Deep
 Guide Size: 1" Wide x 1-27/32" Long x 27/32" High x 3/32" Thick
 Strike Size: 15/16" Wide x 2-1/4" Long x 1/16" Thick
 Rub Plate Size: 1-1/4" Wide x 1-11/16" Long x 3/64" Thick
 Auxiliary Fire Latch Size: 1" Wide x 1-3/4" Long x 3-1/4" Deep
 Filler Plate Size: 1" Wide x 6-3/4" Long x 3/32" Thick

Automatic Flush Bolts - Wood Doors

FB40 Series for Wood Doors

- Fully Automatic—inactive door is latched when active door closes, bolts retract when active door is opened.
- Low Actuation Forces—Top Bolt Has No Spring Tension.
- UL Listed for Fire Doors.
- Non-handed.
- Models with Auxiliary Fire Latch eliminates the Bottom Bolt and is UL Listed for Fire Doors.

- Finishes: US3, US4, US10, US10B, US32, US32D.
- Finished Cover Plates permit finish changes in stock or at job site.
- Bolts have 3/4" throw with a 7/8" vertical adjustment.
- Meets ANSI A156.3 Type 25.
- Optional Dust Proof Strikes—DP1 or DP2, prevents dirt build-up assuring full engagement of bottom bolt.

			
<p>FB41P Pair</p> <p>Top and Bottom Bolts</p> <p>Both bolts are non-handed, but are not identical. The top bolt has no spring tension, resulting in lower actuation force with a smoother operation.</p>	<p>FB42</p> <p>Top Bolt with Auxiliary Fire Latch</p> <p>FB42 combination includes FB41T Top Bolt with auxiliary fire latch. Provides a fire-listed application without a bottom bolt—meaning no floor prep for strike. The auxiliary fire latch, mounted in the door edge, releases under extremely high temperatures to keep the doors in alignment during a fire.</p>	<p>FB41T</p> <p>Top Bolt Only</p>	<p>FB41B</p> <p>Bottom Bolt Only</p>
<ul style="list-style-type: none"> • UL Listed 90 minutes on 8'0" x 8'0" Opening 	<ul style="list-style-type: none"> • UL Listed 20 minutes on 8'0" x 8'0" Opening 		

Dimensions:

Body Size: 1" Wide x 8-1/2" Long x 2" Deep

Guide Size: 1" Wide x 6" Long x 1/8" Thick

Strike Size: 15/16" Wide x 2-1/4" Long x 1/16" Thick





Rub Plate Size: 1-1/4" Wide x 1-11/16" Long x 3/64" Thick

Auxiliary Fire Latch Size: 1" Wide x 1-3/4" Long x 3-1/4" Deep

Constant Latching Flush Bolts - Metal Doors

FB50 Series for Metal Doors

- Constant Latching—inactive door remains latched until the active door is opened, releasing the automatic bottom bolt and then the top bolt can be manually released. Inactive door will relatch automatically when closed.
- Low Actuation Forces.
- UL Listed for Fire Doors.
- Fits standard ANSI A115.4 Door and Frame Preparations.
- Non-handed.
- Models with Auxiliary Fire Latch eliminates the bottom bolt and is UL Listed for Fire Doors.
- Finishes: US3, US4, US10, US10B, US32, US32D.
- Finished Cover Plates permit finish changes in stock or at job site.
- Bolts have 3/4" throw with a 7/8" vertical adjustment.
- Meets ANSI A156.3 Type 27.
- Standard Rod Length is 12", which is measured from the center of the flush bolt body to the bolt tip.
- Optional Dust Proof Strikes—DP1 or DP2, prevents dirt build-up assuring full engagement of bottom bolt.
- Optional rod lengths available for top bolt for non-fire rated openings—18", 24", 36" and 48".

			
<p>FB51P Pair</p> <p>Top and Bottom Bolts</p> <p>FB51P combines FB51T constant latching top bolt with FB31B automatic bottom bolt. Non-handed.</p>	<p>FB52</p> <p>Top Bolt with Auxiliary Fire Latch</p> <p>FB52 combination includes FB51T Top Bolt with auxiliary fire latch. Provides a fire-listed application without a bottom bolt—meaning no floor prep for strike. The auxiliary fire latch, mounted in the door edge, releases under extremely high temperatures to keep the doors in alignment during a fire.</p>	<p>FB53</p> <p>Top Bolt with Auxiliary Fire Latch and Retrofit Plate</p> <p>FB53 used to update existing flush bolt installations with auxiliary fire latch eliminating bottom bolt and floor strike. FB53 consists of FB51T top bolt, auxiliary fire latch and filler plate to cover existing cutout when bottom bolt is removed.</p>	<p>FB51T</p> <p>Top Bolt Only</p>
<ul style="list-style-type: none"> • UL Listed 3 hours on 8'0" x 10'0" Opening. 	<ul style="list-style-type: none"> • UL Listed 3 hours on 8'0" x 8'0" Opening. 	<ul style="list-style-type: none"> • UL Listed 3 hours on 8'0" x 8'0" Opening. 	




Dimensions:

Body Size: 1" Wide x 6-3/4" Long x 2" Deep
 Guide Size: 1" Wide x 1-27/32" Long x 11/16" High x 3/32" Thick
 Strike Size: 15/16" Wide x 2-1/4" Long x 1/16" Thick
 Rub Plate Size: 1-1/4" Wide x 1-11/16" Long x 3/64" Thick
 Auxiliary Fire Latch Size: 1" Wide x 1-3/4" Long x 3-1/4" Deep
 Filler Plate Size: 1" Wide x 6-3/4" Long x 3/32" Thick

Constant Latching Flush Bolts - Wood Doors

FB60 Series for Wood Doors

- Constant Latching—inactive door remains latched until the active door is opened, releasing the automatic bottom bolt and then the top bolt can be manually released. Inactive door will relatch automatically when door closes.
- Low Actuation Forces.
- UL Listed for Fire Doors.
- Non-handed.
- Models with Auxiliary Fire Latch eliminates the bottom bolt and is UL Listed for Fire Doors.
- Finishes: US3, US4, US10, US10B, US32, US32D.
- Finished Cover Plates permit finish changes in stock or at job site.
- Bolts have 3/4" throw with a 7/8" vertical adjustment.
- Meets ANSI A156.3 Type 27.
- Optional Dust Proof Strikes—DP1 or DP2, prevents dirt build-up assuring full engagement of bottom bolt.

		
<p>FB61P Pair</p> <p>Top and Bottom Bolts</p> <p>FB61P combines FB61T constant latching top bolt with FB41B bottom bolt.</p>	<p>FB62</p> <p>Top Bolt with Auxiliary Fire Latch</p> <p>FB62 combination includes FB61T top bolt with Auxiliary Fire Latch. Provides a fire-listed application without a bottom bolt—meaning no floor prep for strike. The Auxiliary Fire Latch, mounted in the door edge, releases under extremely high temperatures to keep the doors in alignment during a fire.</p>	<p>FB61T</p> <p>Top Bolt Only</p>
<ul style="list-style-type: none"> • UL Listed 90 minutes on 8'0" x 8'0" Opening 	<ul style="list-style-type: none"> • UL Listed 20 minutes on 8'0" x 8'0" Opening 	

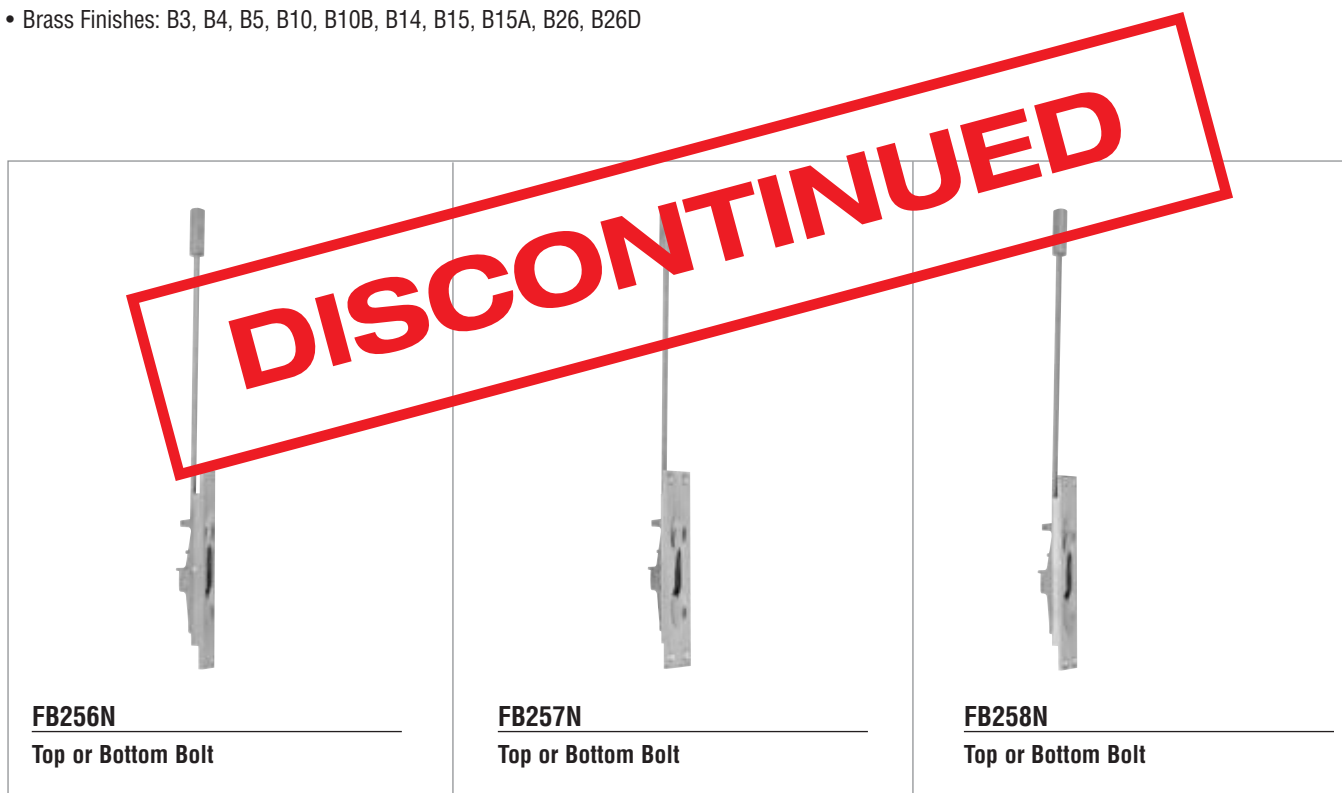
Dimensions:

Body Size: 1" Wide x 8-1/2" Long x 2" Deep
 Guide Size: 1" Wide x 6" Long x 1/8" Thick
 Strike Size: 15/16" Wide x 2-1/4" Long x 1/16" Thick
 Rub Plate Size: 1-1/4" Wide x 1-11/16" Long x 3/64" Thick
 Auxiliary Fire Latch Size: 1" Wide x 1-3/4" Long x 3-1/4" Deep

Manual Flush Bolts - Metal Doors

FB256N, FB257N, and FB258N Series for Metal Doors

- When the active door is opened, the lever can be moved to the 'up' position, retracting the bolt and allowing the inactive leaf to be opened. When the inactive leaf is closed, the lever can be moved to the 'down' position, projecting the bolt into the strike and securely locking the inactive leaf.
- Simplified installation in metal frames. Round bolt head requires only a punched hole. Use of strike optional. Special design of guide and flat sided bolt tip to prevent bolt rotation.
- Non-handed.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D
- Bolt tip is 1/2" Diameter.
- Bolts have 3/4" throw with a bolt backset of 3/4".
- Standard Rod Length is 12", which is measured from the center of the flush bolt body to the bolt tip.
- Meets ANSI/BHMA A156.16, L04251.
- Optional Dust Proof Strikes — prevents dirt build-up assuring full engagement of bottom bolt.
- Optional rod lengths available: 6", 9", 18", 24", 30", 36" and 48".



Dimensions:

Body Size: FB256N: 3/4" Wide x 6-3/8" Long x 1-1/8" Deep
FB257N: 1-1/4" Wide x 6-3/8" Long x 1-1/8" Deep
FB258N: 1" Wide x 6-3/8" Long x 1-1/8" Deep
Guide Size: 1" Wide x 2" Long x 5/64" Thick
Strike Size: 15/16" Wide x 2-1/4" Long x 5/64" Thick

Manual Flush Bolts - Wood Doors

FB358 Series for Wood Doors

- When the active door is opened, the lever can be moved to the 'up' position, retracting the bolt and allowing the inactive leaf to be opened. When the inactive leaf is closed, the lever can be moved to the 'down' position, projecting the bolt into the strike and securely locking the inactive leaf.
- Reduces installation costs; requires only simple router mortise at top and bottom corners of doors.
- Door strength and rigidity maintained by tying door faces to reinforcing extensions on guide with machine screws and bearing washers.
- UL Listed for Fire Doors.
- Non-handed.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.
- Bolts have 3/4" throw with a 7/8" vertical adjustment.
- Meets ANSI/BHMA A156.16, L04261.
- Optional Dust Proof Strikes—DP1 or DP2, prevents dirt build-up assuring full engagement of bottom bolt.
- Not available for rabbeted door installations.



FB358

Top or Bottom Bolts

- UL Listed 90 minutes on 8'0" x 10'0" Opening

Dimensions:

Body Size: 1" Wide x 6-3/4" Long x 1-3/8" Deep

Guide Size: 1" Wide x 2-1/2" Long x 5/64" Thick

Strike Size: 15/16" Wide x 2-1/4" Long x 5/64" Thick

Manual Flush Bolts - Metal Doors

FB457 and FB457N Series for Metal Doors

- When the active door is opened, the lever can be moved to the 'up' position, retracting the bolt and allowing the inactive leaf to be opened. When the inactive leaf is closed, the lever can be moved to the 'down' position, projecting the bolt into the strike and securely locking the inactive leaf.
- Simplified installation in metal frames. Round bolt head requires only a punched hole. Use of strike optional. Special design of guide and flat sided bolt tip to prevent bolt rotation.
- Non-handed.
- FB457 UL Listed for Fire Doors.
- FB457N not UL Listed for Fire Doors.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.
- Bolt tip is 1/2" Diameter.
- Bolts have 3/4" throw with a bolt backset of 3/4".
- Standard Rod Length is 12", which is measured from the center of the flush bolt body to the bolt tip.
- Meets ANSI/BHMA A156.16, L04251.
- Optional Dust Proof Strikes — prevents dirt build-up assuring full engagement of bottom bolt.
- Optional rod lengths available for FB457: 6", 9", 18" and 24".
- Optional rod lengths available for FB457N: 6", 9", 18", 24", 30", 36" and 48".



FB457

Top or Bottom Bolt

- UL Listed 3 hours on 8'0" x 10'0" Opening



FB457N

Top or Bottom Bolt

Dimensions:

Body Size: 1-1/4" Wide x 6-3/4" Long x 1-1/8" Deep




Guide Size: 1" Wide x 2" Long x 5/64" Thick

Strike Size: 15/16" Wide x 2-1/4" Long x 5/64" Thick

Manual Flush Bolts - Metal Doors

FB458, FB458N and FB0458N Series for Metal Doors

- When the active door is opened, the lever can be moved to the 'up' position, retracting the bolt and allowing the inactive leaf to be opened. When the inactive leaf is closed, the lever can be moved to the 'down' position, projecting the bolt into the strike and securely locking the inactive leaf.
- Simplified installation in metal frames. Round bolt head requires only a punched hole. Use of strike optional. Special design of guide and flat sided bolt tip to prevent bolt rotation.
- FB458 UL Listed for Fire Doors.
- FB458N and FB0458N not UL Listed for Fire Doors.
- FB0458N features 1/4" radius corners on body.
- Non-handed.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.
- Bolt tip is 1/2" diameter.
- Bolts have 3/4" throw with a bolt backset of 3/4".
- Standard Rod Length is 12", which is measured from the center of the flush bolt body to the bolt tip.
- Meets ANSI/BHMA A156.16, L04251.
- Optional Dust Proof Strikes— prevents dirt build-up assuring full engagement of bottom bolt.
- Optional Rod Lengths available for FB458: 6", 9", 18" and 24".
- Optional Rod Lengths available for FB458N and FB0458N: 6", 9", 18", 24", 30", 36" and 48".

 FB458 Top or Bottom Bolt	 FB458N Top or Bottom Bolt	 FB0458N Top or Bottom Bolt
<ul style="list-style-type: none">• UL Listed 3 hours on 8'0" x 10'0" Opening		

Dimensions:

Body Size: 1" Wide x 6-3/4" Long x 1-1/8" Deep

Guide Size: 1" Wide x 2" Long x 5/64" Thick

Strike Size: 15/16" Wide x 2-1/4" Long x 5/64" Thick

Dust Proof Strikes

DP1 and DP2 Dust Proof Strikes

- Designed for use with the bottom bolt of all flush bolts.
- Spring-loaded plunger returns to floor or threshold level anytime flush bolt is retracted, eliminating need to clean standard floor strikes.
- Meets ANSI/BHMA 156.16, L14011.
- Finishes: US3, US4, US10, US10B, US26, US26D.

Dimensions:

DP1 Face Plate: 1-7/16" Diameter
DP2 Face Plate: 1-5/8" Wide x 3-1/2" Long x 1/8" Thick
DP1 and DP2 Body: 1-3/16" Diameter x 1-7/8" Deep



DP1

Threshold only.



DP2

Floor and/or threshold.

DP3 and DP4 Dust Proof Strikes

- Designed for use with the bottom bolt of the Ives extension flush bolts on non-fire rated openings. DP3 for installation in thresholds up to 1/4" thick. DP4 includes plate for installation in thresholds or floor.
- 3/4" diameter plunger accepts up to 5/8" diameter round bolts or 1/2" square bolts.
- Can be locked in up position by rotating plunger with screwdriver or coin. Eliminates trapping of spiked heels.
- Made from polished wrought brass.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.

Dimensions:

DP3 Faceplate: 1-3/8" Diameter
DP4 Faceplate: 1-5/8" Wide x 3-1/2" Long x 1/8" thick
DP3 and DP4 Body: 1-61/64" Overall Depth, Fits Hole 1-1/16" in Diameter

DISCONTINUED



DP3

Threshold only.



DP4

Floor and/or threshold.

Manual Flush Bolts

260 Series

- Designed with face plate rounded for simple, one-step router installation.
- Steel bolt head in nylon bushing combined with dual action spring lock to hold bolt projected or retracted provides easy, one-finger operation.
- Economically priced for the volume builder.
- Made from polished wrought brass.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:

Body Size: 3/4" Wide x 6-3/4" Long x 5/8" Deep
Strike Size: 5/8" Wide x 1-1/2" Long
Rod Backset: 2-1/8"
Diameter of Bolt Head: 5/16"
Throw: 3/4"

261 Series

- An exceptionally smooth working flush bolt with sharp, crisp lines.
- Double action spring design provides automatic holding of brass bolt in projected or retracted position, and assures ease of operation in conjunction with deep cup finger hole.
- Made from polished cast brass.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:

Body Size: 3/4" Wide x 4" Long x 1-1/8" Deep
Strike Size: 5/8" Wide x 1-1/2" Long
Rod Backset: 15/32"
Diameter of Bolt Head: 5/16"
Throw: 3/4"

262 Series

- An exceptionally smooth working flush bolt with sharp, crisp lines.
- Double action spring design provides automatic holding of brass bolt in projected or retracted position, and assures ease of operation in conjunction with deep cup finger hole.
- Made from polished cast brass.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:

Body Size: 3/4" Wide x 6" Long x 1-11/32" Deep
Strike Size: 7/8" Wide x 1-3/4" Long
Rod Backset: 15/32"
Diameter of Bolt Head: 1/2"
Throw: 1"

263 Series

- A compact flush bolt designed specifically for easy, low cost installation.
- Rounded faceplate and lip for simplified installation.
- Double action spring design provides automatic holding of brass bolt in projected or retracted position, and assures ease of operation in conjunction with deep cup finger hole.
- Made from polished cast brass.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:

Body Size: 3/4" Wide x 5" Long x 1-1/2" Deep
Strike Size: 5/8" Wide x 1-1/2" Long
Rod Backset: 15/32"
Diameter of Bolt Head: 5/16"
Throw: 3/4"

Manual Flush Bolts

264 Series

- A compact flush bolt designed specifically for fast, low cost installation.
- Same rounded faceplate and lip as the 263 Flush Bolt for simplified installation.
- Extra long lip permits installation in a variety of door contraction designs
- Double action spring design provides automatic holding of brass bolt in projected or retracted position, and assures ease of operation in conjunction with deep cup finger hole.
- Made from polished cast brass.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D



Dimensions:

Body Size: 3/4" Wide x 4-1/2" Long x 1-3/4" Deep
Strike Size: 5/8" Wide x 1-1/2" Long
Rod Backset: 15/32"
Diameter of Bolt Head: 5/16"
Throw: 3/4"

265 Series

- A flush bolt with radiused bottom faceplate designed specifically for simple one-step router installation.
- Double action spring design provides automatic holding of brass bolt in projected or retracted position, and assures ease of operation in conjunction with deep cup finger hole.
- Faceplate is polished solid brass; bolt is made from aluminum zinc alloy.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:

Body Size: 3/4" Wide x 6" Long x 1-7/16" Deep
Strike Size: 7/8" Wide x 1-3/4" Long
Rod Backset: 1/2"
Diameter of Bolt Head: 1/2"
Throw: 1"

266 Series

- Same as the 265 Flush Bolt except with square bottom faceplate.
- Double action spring design provides automatic holding of brass bolt in projected or retracted position, and assures ease of operation in conjunction with deep cup finger hole.
- Faceplate is polished solid brass; bolt is made from aluminum zinc alloy.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:

Body Size: 3/4" Wide x 6" Long x 1-7/16" Deep
Strike Size: 7/8" Wide x 1-3/4" Long
Rod Backset: 1/2"
Diameter of Bolt Head: 1/2"
Throw: 1"

Coordinators - Bar Coordinators and Filler Bars

COR Series Bar Coordinators



- The COR Series Coordinators are designed for use on pairs of doors when one door needs to close before the other.
- All COR units function easily. The active door lever, located nearest to the active stop, holds the active door open until the trigger mechanism is released by the closing of the inactive leaf.
- All COR units are equipped with an override feature which allows the active door to close under extreme pressure.
- All COR units are compatible with Flush Bolts.
- The COR Series is available in five sizes for variable door opening widths.
- The COR Series does not cover the entire length of the stop, so a filler bar can be provided to maintain architecturally clean lines.
- COR Series Coordinator Channels and fillers are made of aluminum and are normally furnished in a US28 finish. Also available in US26D, and 315AN (Black).
- Meets ANSI/BHMA A156.3, Type 21A.
- UL Listed for installation on labeled frame.
- Optional Filler Bars: FL20, FL32 and FL44, available to maintain clean line.
- Optional Mounting Brackets available: MB1, MB2, MB1F, MB2F, MB3F, MB1V, MB2V, and MB3V for other stop applied hardware.

Dimensions: 1-5/8" Wide x 5/8" Deep x Ordered Length

For Openings Where Doors Are Same Size

Coordinator Number	Length of Channel	For Opening Widths	Common Applications
COR32	32"	34" - 52"	Pair of 2'0" Doors
COR42	42"	52" - 72"	Pair of 2'6" Doors
COR52	52"	62" - 92"	Pair of 3'0" Doors
COR60	60"	70" - 108"	Pair of 3'6" Doors
COR72	72"	84" - 132"	Pair of 4'0" Doors

For Openings Where Doors Are Unequal Size

The coordinator length should equal the active door width plus approximately 1/2 the inactive door width. The coordinator must be 6" longer than the active door width and shorter than the overall frame opening between stops.

FL Series Filler Bars

- The FL Filler Bars are available in three sizes for variable frame openings.
- FL Filler Bars are made of aluminum and are normally furnished in a US28 finish. Also available in US26D and 315AN (Black).
- FL Filler Bars are field sized to frame opening.



Filler Bar Number	Length
FL20	20"
FL32	32"
FL44	44"

Dimensions: 1-5/8" Wide x 5/8" Deep x Ordered Length

Coordinators - Mounting Brackets

Mounting Brackets

MB1 and MB2

- Allows stop mounted hardware to be properly installed without damaging the COR coordinator, such as a parallel arm closer or a non-fire-rated surface vertical rod strike.
- Stop mounted hardware will need to be lowered to compensate for the height of the coordinator and mounting bracket.
- MB mounting brackets are made of aluminum and normally furnished in a USP finish. Powder Coated Finishes: SP28 and SPBLK.



MB1



MB2

Product	Jamb Depth	Stop Width
MB1	4-3/4" Min.	Over 2-1/2"
MB2	4-3/4" Min.	Up to 2-1/2"

Dimensions:

MB1: 4" Wide x 3" Deep x 15/16" Tall

MB2: 4" Wide x 3-1/4" Deep x 1-5/8" Tall

MB1F, MB2F and MB3F

- Allows stop mounted hardware to be properly installed without damaging the COR coordinator. Example: strike for fire-rated surface vertical rod exit device.
- Stop mounted hardware will need to be lowered to compensate for the height of the coordinator and mounting bracket.
- MBF mounting brackets are made of 3/8" thick steel and normally furnished in a USP finish. Powder Coated Finishes: SP28 and SPBLK.



MB1F



MB2F



MB3F

Product	Jamb Depth	Stop Width
MB1F	5" Min.	1-1/2" to 2-1/4"
MB2F	5-7/8" Min.	2-3/8" to 3-1/4"
MB3F	6-7/8" Min.	3-3/8" and Wider

Dimensions:

MB1F: 4" Wide x 3" Deep x 1-5/8" Tall

MB2F: 4" Wide x 4" Deep x 1-5/8" Tall

MB3F: 4" Wide x 3-1/2" Deep x 1" Tall

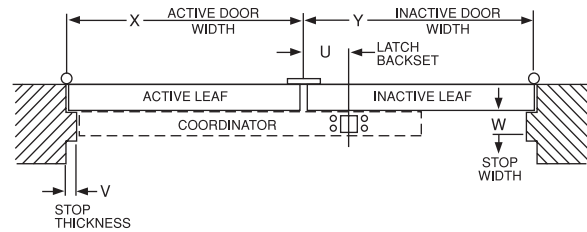
MB1V, MB2V and MB3V (not shown)

Same as MB1F, MB2F and MB3F with factory preparation for the Von Duprin 8827-F soffit latch.

Coordinators

Special Factory Preparation for Use with Vertical Rod Exit Devices

- Coordinators may need to be prepared at the factory for use with some surface and concealed vertical rod exit devices. (See Chart below)
- If exit device not listed in chart, the information shown on the illustration will be needed.



1. Exit Device Manufacturer and Model No.
2. Active Net Door Size, "X"
3. Inactive Net Door Size, "Y"
4. Exit Device Backset, "U"
5. Stop Width, "W"
6. Stop Thickness if other than 5/8", "V"

Exit Device Manufacturer	Exit Device Number	Device Backset	Maximum Active Door	Coordinator Size Needed	Coordinator Cutout Type	Mounting Bracket Needed
Von Duprin	5547-F	2-3/8"	33" 43" 51" 63"	42" 52" 60" 72"	A	None
Von Duprin	8827-F	2-3/4"	33" 43" 51" 63"	42" 52" 60" 72"	B	MB1V, MB2V or MB3V
Von Duprin	8847-F	2-3/8"	33" 43" 51" 63"	42" 52" 60" 72"	C	None
Von Duprin	33/3547 33/3547-F 98/9947 98/9947-F	2-3/4"	33" 43" 51" 64"	42" 52" 60" 72"	D	None
Von Duprin	33/3548 33/3548-F 98/9948 98/9948-F	2-3/4"	33" 43" 51" 64"	42" 52" 60" 72"	D	None
Von Duprin	33/3547WDC 33/3547WDC-F 98/9947WDC 98/9947WDC-F	1-5/16"	34" 44" 52" 65"	42" 52" 60" 72"	E	None
Monarch	17-C F-17-C 18-C F-18-C XX-C F-XX-C	2-3/4"	33" 43" 51" 63"	42" 52" 60" 72"	F	None
Monarch	17-C-WDC F-17-C-WDC 18-C-WDC F-18-C-WDC XX-C-WDC F-XX-C-WDC	2-13/16"	33" 43" 51" 63"	42" 52" 60" 72"	G	None

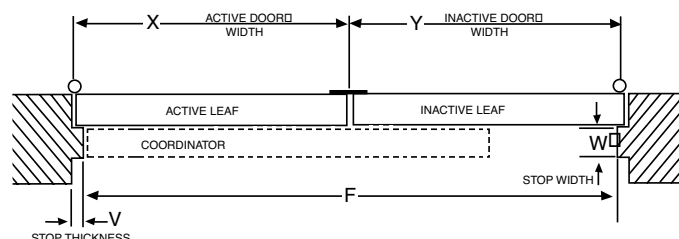
Ordering Guide for Bar Coordinators

How to Order COR and Accessories

COR	<u>52</u>	-	US28	-	FL20	-	D	-	36"	-	2-MB2
<div style="display: flex; justify-content: space-between;"> <div style="width: 25%;"> <p>COR Size: 32, 42, 52, 60, 72</p> </div> <div style="width: 25%;"> <p>Finishes: US28, US26D, 315AN (Black)</p> </div> <div style="width: 25%;"> <p>Filler Bar (if desired): FL20, FL32, FL44</p> </div> <div style="width: 25%;"> <p>Vertical Rod Exit Device Cutout Type (if applicable): A, B, C, D, E, F, G If other Vertical Rod Exit Device not listed on chart, from page A14, include information as shown on page A14.</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 60%;"> <p>Net Active Door Size – Required for ALL Vertical Rod Exit Device Applications</p> </div> <div style="width: 35%;"> <p>Mounting Bracket: Indicate quantity, then bracket. MB1, MB2, MB1F, MB2F, MB3F, MB1V, MB2V, MB3V Mounting brackets are sold and packaged separately from coordinators.</p> </div> </div>											

To determine the size COR you need:

1. Start with the active door size (X).
2. Next consider the overall frame opening between stops (F).
3. Preferably, the coordinator would equal the active door width (X) + approximately 1/2 inactive door width (Y). Keep in mind the coordinator must be 6" longer than the active door width (X) and less than the overall frame opening between stop (F).



Examples:

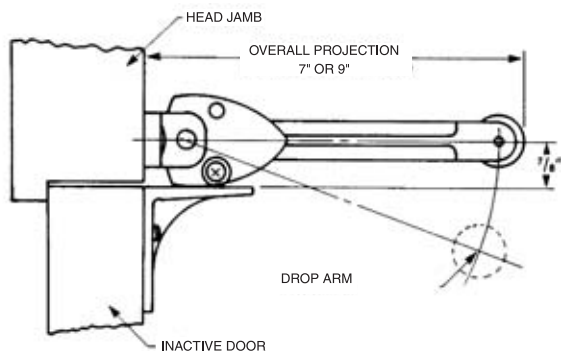
- Pair of 30" Doors, 5/8" Stops
Active Door Size, X = 30"
Overall Frame Opening between Stops, F = 58-3/4"
Recommended Coordinator: COR42
- Pair of 36" Active Door, 18" Inactive door, 5/8" Stops
Active Door Size, X = 36"
Overall Frame Opening between Stops, F = 52-3/4"
Recommended Coordinator: COR42
- Pair of 36" Doors, 5/8" Stops
Active Door Size, X = 36"
Overall Frame Opening between Stops, F = 70-3/4"
Recommended Coordinator: COR52
- 48" Active Door, 24" Inactive Door, 5/8" Stops
Active Door Size, X = 48"
Overall Frame Opening between Stops, F = 94-3/4"
Recommended Coordinator: COR60

Coordinators - Gravity Coordinators

COR7G and COR9G Gravity Coordinators

Features:

- When active door is open, coordinator prevents active door from closing until inactive door bypasses. Closing of inactive door causes strike plate on top of door to contact cam and lift arm, allowing active door to close. As inactive door continues closing, roller rides over strike plate on to door bracket, holding arm above active door.
- UL Listed for Fire Doors.
- Non-handed.
- Gravity action arm and door bracket are adjustable on the job for ease of installation. Nylon roller provides quiet and efficient operation, and helps protect the astragal and doors from damage.
- Nylon roller on short arm glides smoothly over door bracket and strike, ensuring silent operation.
- Made of forged brass.
- Finishes: US3, US4, US10, US10B, US26, US26D.
- Meets ANSI/BHMA A156.3, Type 21.



COR7G

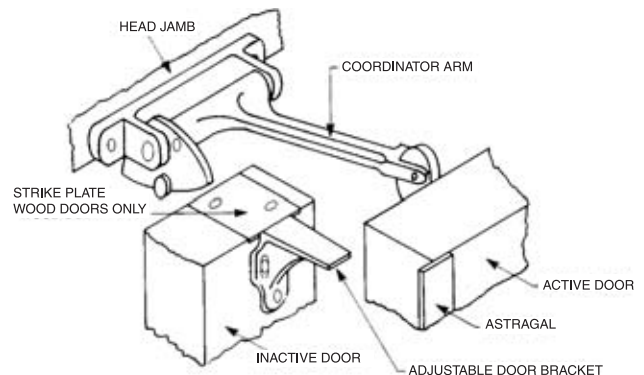
7" Projection

- Use on pairs of doors with astragal on active door up to 4'.
- With astragal, inactive door up to 3'4".
- With astragals, both doors up to 2'10".

COR9G

9" Projection

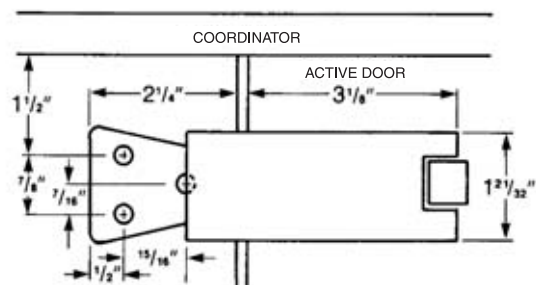
- Use on pairs of doors with astragal on active door over 4'.
- With astragal, inactive door over 3'4".
- With astragals, both doors over 2'10".



CB1 Carry Bar

Features:

- Used when it is possible for the inactive door to be opened before the active door.
- Prevents damage to the doors and other hardware.
- Nylon roller insures quiet and efficient operation.
- Non-handed.
- All-steel construction.
- Finishes: USP, US3, US4, US10, US10B, US26, US26D.
- Meets ANSI/BHMA A156.3, Type 21.
- Standard sex bolts for mounting.



Section B

Pivots



IVES®

7200 Series Pivots

General Information:

- Complete line of 3/4" offset, 1-1/2" offset, center hung, intermediate and power transfer pivots with all exposed parts made of brass or stainless steel for maximum corrosion resistance.
- High strength brass and stainless steel forgings, and castings for rated and non-rated doors combined with precision bearings for smooth operation.
- Stainless steel machine screws and wood screws standard.
- Positive locking vertical adjustment mechanism allows the installer to precisely position the door and balance the load.
- Last digit in pivot set number reflects the maximum door weight in hundreds of pound, e.g., 7215 = 500 pounds. For sets designated as "heavy duty", add 1,000 pounds, e.g., 7237F HD set = 1700 pounds.
- Pivots for lead lined doors are available, consult factory.
- See page B4 for Pivot Selection Chart.

Finishes:

Description	Finish	BHMA
Powder-Coated Finishes (Available on all models)		
Aluminum	SP28	689
Black	SPBLK	622
Dark Bronze	SP313	695
Brass	SP4	706
Bronze	SP10	691

Plated Finishes (Available on all models except "F—Fire-Rated" models)

Polished Brass	US3	605
Satin Brass	US4	606
Satin Bronze	US10	612
Oil-Rubbed Bronze	US10B	613
Polished Chromium Plated	US26	625
Satin Chromium Plated	US26D	626

Plated Finishes (Available on "F—Fire-Rated" models)

Polished Brass on Stainless Steel	US3	632
Plated Satin Bronze on Stainless Steel	US10	639
Polished Stainless Steel	US32	629
Satin Stainless Steel	US32D	630

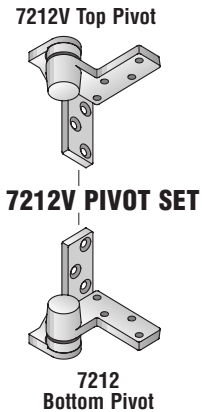
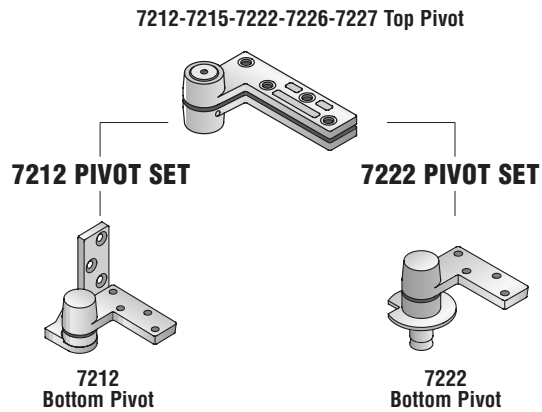
Optional Finishes:

Consult factory for availability.

Special powder-coated finishes are available.

7200 Series Pivots - Overview

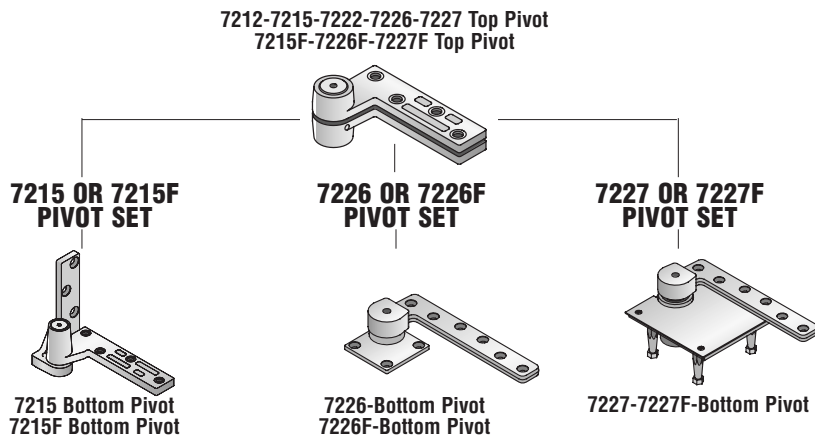
3/4" Offset Pivots - 200 Lb. Doors



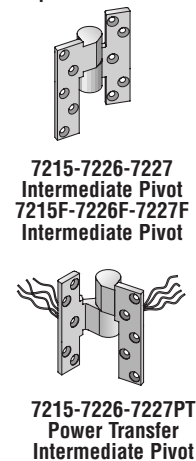
Optional



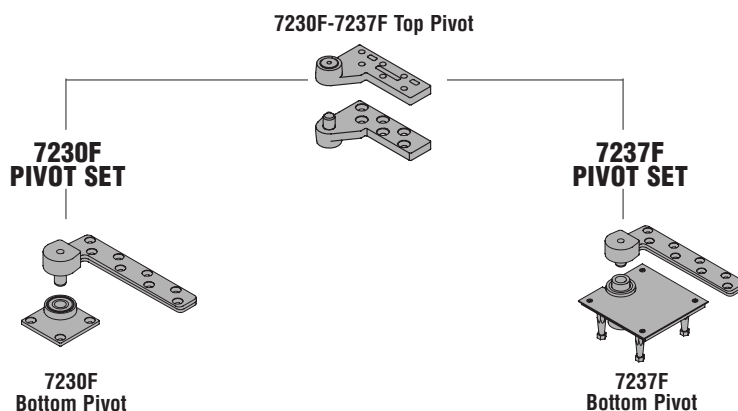
3/4" Offset Pivots - Standard and Fire-Rated - 500 to 700 Lb. Doors



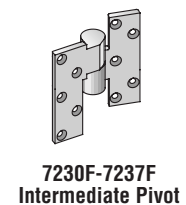
Optional



3/4" Offset Pivots - Fire-Rated - 1000 to 1750 Lb. Doors

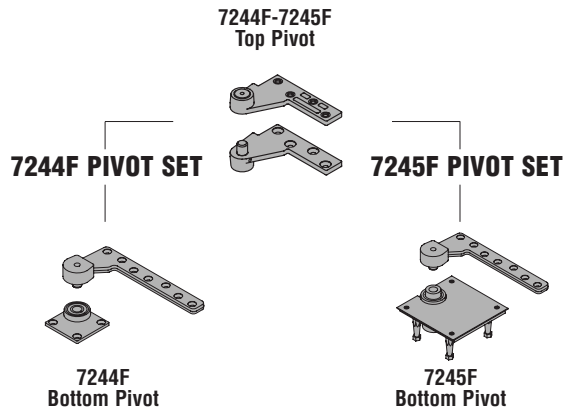


Optional

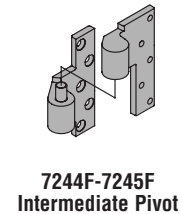


7200 Series Pivots - Overview

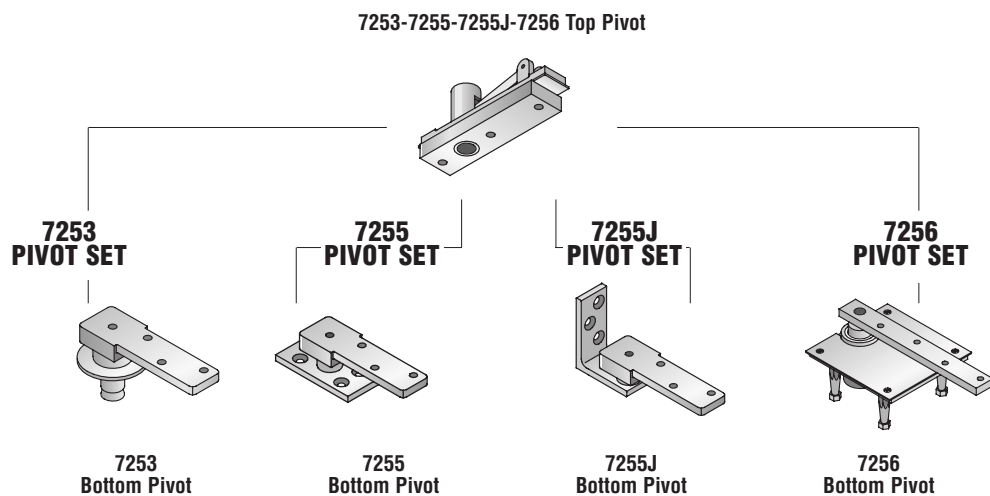
1-1/2" Offset Pivots - Fire-Rated - 400 to 500 Lb. Doors



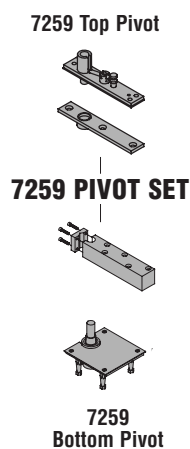
Optional



Center Hung Pivots - 300 to 600 Lb. Doors



Center Hung Pivots - 1000 Lb. Doors



7200 Series Pivot Selection Chart

Pivot Set	UL Rating	Top Pivot	Bottom Pivot	Bottom Pivot Mounting	Recommended Intermediate Pivot	3/4" Offset	1-1/2" Offset	Center Hung	Max Door Weight	Handed
7212	None	7212-7215-7222-7226-7227 TOP	7212 BTM	Jamb Mounted	7212-7212V-7222 INT	Yes			200	Yes
7212V	None	7212V TOP	7212 BTM	Jamb Mounted	7212-7212V-7222 INT	Yes			200	Yes
7215	20 min	7212-7215-7222-7226-7227 TOP	7215 BTM	Jamb Mounted	7215-7226-7227 INT	Yes			500	Yes
7215F	3 hr	7215F-7226F-7227F TOP	7215F BTM	Jamb Mounted	7215F-7226F-7227F INT	Yes			500	Yes
7222	None	7212-7215-7222-7226-7227 TOP	7222 BTM	Floor Mounted	7212-7212V-7222 INT	Yes			200	Yes
7226	20 min	7212-7215-7222-7226-7227 TOP	7226 BTM	Floor Mounted	7215-7226-7227 INT	Yes			600	No
7226F	3 hr	7215F-7226F-7227F TOP	7226F BTM	Floor Mounted	7215F-7226F-7227F INT	Yes			600	No
7227	20 min	7212-7215-7222-7226-7227 TOP	7227 BTM	Mortised Cement Case	7215-7226-7227 INT	Yes			700	No
7227F	3 hr	7215F-7226F-7227F TOP	7227 BTM	Mortised Cement Case	7215F-7226F-7227F INT	Yes			700	No
7230F	3 hr	7230F-7237F TOP	7230F BTM	Floor Mounted	7230F-7237F INT	Yes			1000	No
7237F	3 hr	7230F-7237F TOP	7237F BTM	Mortised Cement Case	7230F-7237F INT	Yes			1750	No
7244F	3 hr	7244F-7245F TOP	7244F BTM	Floor Mounted	7244F-7245F INT		Yes		400	No
7245F	3 hr	7244F-7245F TOP	7245F BTM	Mortised Cement Case	7244F-7245F INT		Yes		500	No
7253	None	7253-7255-7255J-7256 TOP	7253 BTM	Floor Mounted	None			Yes	300	No
7255	None	7253-7255-7255J-7256 TOP	7255 BTM	Floor Mounted	None			Yes	500	No
7255J	None	7253-7255-7255J-7256 TOP	7255J BTM	Jamb Mounted	None			Yes	500	No
7256	None	7253-7255-7255J-7256 TOP	7256 BTM	Mortised Cement Case	None			Yes	600	No
7259	None	7259 TOP	7259 BTM	Mortised Cement Case	None			Yes	1000	No

7212 Pivot Set

- Handed 3/4" offset pivot set consisting of a jamb mounted 7212 Bottom Pivot (handed), and a head frame mounted 7212 Top Pivot (non-handed).
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51mm).
- Center Line Offset 3/4" (19mm) from face of door and 3/4" from edge of door.
- Maximum Load 200 pounds (91 kg).
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Optional 7212 Intermediate Pivot (handed) carries up to an additional 100 pounds (45.5 kg) load or needed for doors over 7'. See page B14.

7212V Pivot Set

- Handed 3/4" offset pivot set consisting of a jamb mounted 7212 Bottom Pivot (handed), and a jamb mounted 7212V Top Pivot (handed).
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51mm).
- Center Line Offset 3/4" (19mm) from face of door and 3/4" from edge of door.
- Maximum Load 200 pounds (91 kg).
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Optional 7212 intermediate Pivot (handed) carries up to an additional 100 pounds (45.5 kg) load or needed for doors over 7'. See page B14.

How to Order:

7212 - - -

Mounting Type:

Blank Head frame mounted to pivot
V Jamb mounted top pivot

Pivot Style:

Blank	Top and bottom set
TOP	Top pivot only
BTM	Bottom pivot only
INT	Intermediate pivot

Handing:

LH Left-hand door
RH Right-hand door

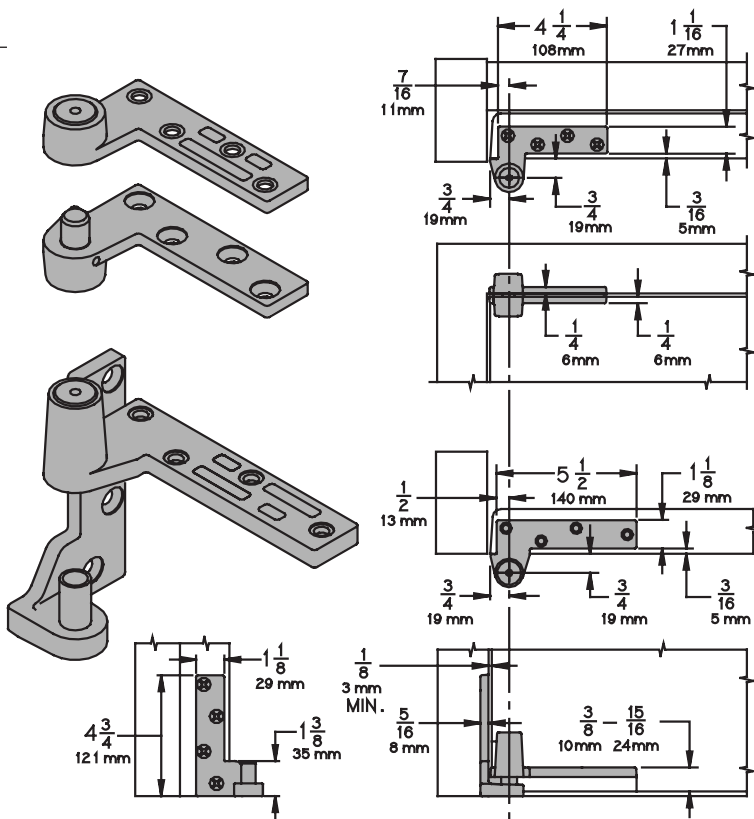
Finishes:

US3, US4, US10, US10B, US26, US26D, SP4, SP10, SP28, SP313, SPBLK

7215 & 7215F 3/4" Offset

7215 or 7215F Pivot Sets

- Handed 3/4" offset pivot set consisting of a jamb mounted 7215 or 7215F Bottom Pivot (handed) and a head frame mounted 7215 or 7215F Top Pivot, (non-handed).
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51mm).
- Center Line Offset 3/4" (19mm) from face of door and 3/4" from edge of door.
- Maximum Load 500 pounds (227 kg).
- UL Listed
7215 for 20 minute rated door.
7215F for 3 hour rated door.
- 7215F meets ANSI/BHMA Grade 1.
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Optional Intermediate Pivot
For 7215 set use 7215 Intermediate Pivot (handed).
For 7215F set use 7215 Intermediate Pivot (handed).
Each Intermediate Pivot carries up to an additional 100 pounds (45.5 kg) load or needed for doors over 7'. See page B14.
- Optional 7215 PT Power Transfer Intermediate Pivot (handed). Provides 4 wire transfer with no weight bearing capabilities. See page B20.



How to Order:

7215 - - -

Rating:

Blank Non-fire-rated
F Fire-rated

Pivot Style:

Blank Top and bottom set
TOP Top pivot only
BTM Bottom pivot only
INT Intermediate pivot only
PT INT Power transfer intermediate pivot only

Handing:

LH Left-hand door
RH Right-hand door

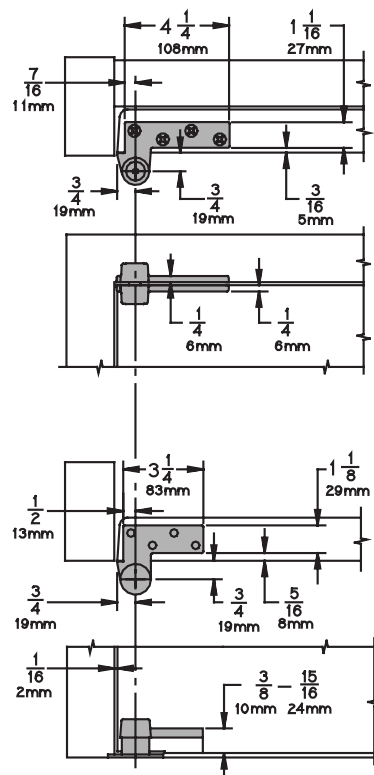
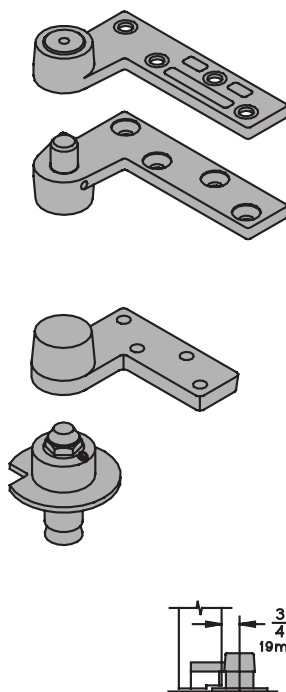
Finishes:

Non-Fire-Rated US3, US4, US10, US10B, US26, US26D, SP4, SP10, SP28, SP313, SPBLK
Fire-Rated US3, US10, US32, US32D, SP4, SP10, SP28, SP313, SPBLK

7222 3/4" Offset

7222 Pivot Set

- Handed 3/4" offset pivot set consisting of a base plate mounted 7222 Bottom Pivot (handed), and a head frame mounted 7222 Top Pivot (non-handed).
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51mm).
- Center Line Offset 3/4" (19mm) from face of door and 3/4" from edge of door.
- Maximum Load 200 pounds (91 kg).
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Optional 7222 Intermediate Pivot (handed) carries up to an additional 100 pounds (45.5 kg) load or needed for doors over 7'. See page B14.



How to Order:

7222 - - -

Pivot Style:

Blank	Top and bottom set
TOP	Top pivot only
BTM	Bottom pivot only
INT	Intermediate pivot only

Handing:

LH	Left-hand door
RH	Right-hand door

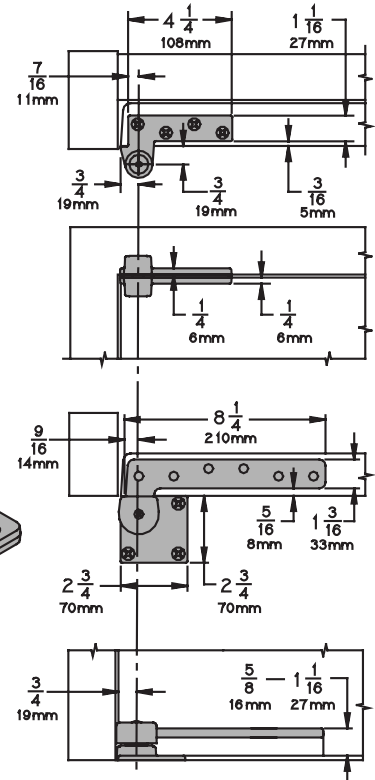
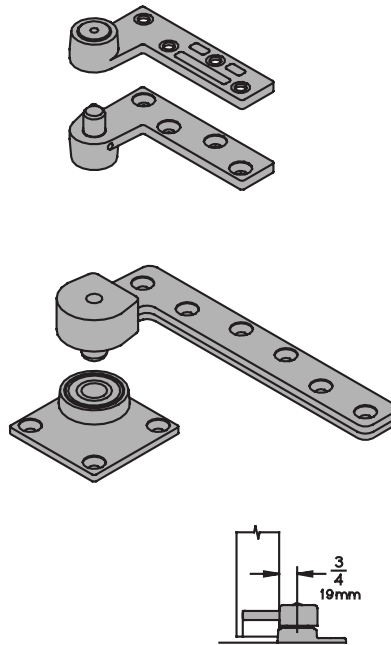
Finishes:

US3, US4, US10, US10B, US26, US26D, SP4, SP10, SP28, SP313, SPBLK

7226 & 7226F 3/4" Offset

7226 or 7226F Pivot Sets

- Non-handed 3/4" offset pivot set consisting of a base plate mounted 7226 or 7226F Bottom Pivot, and a head frame mounted 7226 or 7226F Top Pivot.
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51mm).
- Center Line Offset 3/4" (19mm) from face of door and 3/4" from edge of door.
- Maximum Load 600 pounds (272 kg).
- UL Listed
7226 for 20 minute rated door.
7226F for 3 hour rated door.
- 7226F meets ANSI/BHMA Grade 1.
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Optional Intermediate Pivot
For 7226 set, use 7226 Intermediate Pivot (handed). For 7226F set, use 7226F Intermediate Pivot (handed). Each Intermediate Pivot carries up to an additional 100 pounds (45.5 kg) load or needed for doors over 7'. See page B14.
- Optional 7226 PT Power Transfer Intermediate Pivot (handed). Provides 4 wire transfer with no weight bearing capabilities. See page B20.



How to Order:

7226 - - -

Rating:

Blank Non-fire-rated
F Fire-rated

Pivot Style:

Blank Top and bottom set
TOP Top pivot only
BTM Bottom pivot only
INT Intermediate pivot only
PT INT Power transfer intermediate pivot only

Handing:

LH Left-hand door
RH Right-hand door

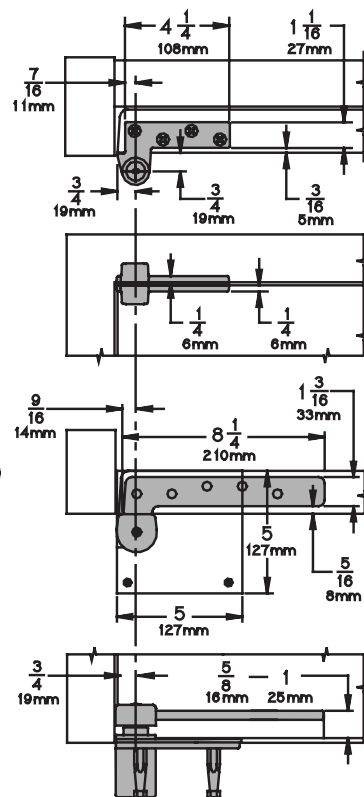
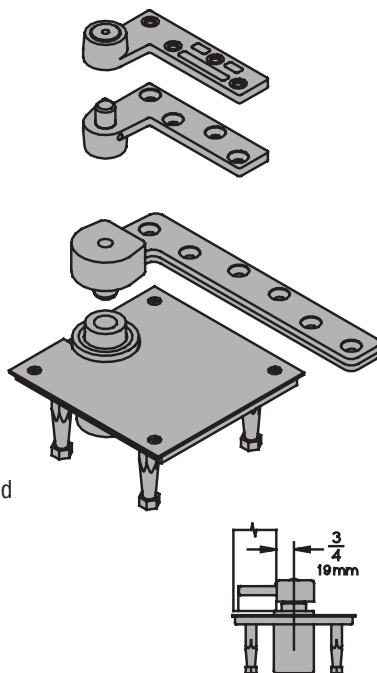
Finishes:

Non-Fire-Rated US3, US4, US10, US10B, US26, US26D, SP4, SP10, SP28, SP313, SPBLK
Fire-Rated US3, US10, US32, US32D, SP4, SP10, SP28, SP313, SPBLK

7227 & 7227F 3/4" Offset

7227 or 7227F Pivot Sets

- Non-handed 3/4" offset pivot set consisting of mortised cement case mounted 7227 or 7227F Bottom Pivot and a head frame mounted 7227 or 7227F Top Pivot.
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51mm).
- Center Line Offset 3/4" (19mm) from face of door and 3/4" from edge of door.
- Maximum Load 700 pounds (318 kg).
- UL Listed
7227 for 20 minute rated door.
7227F for 3 hour rated door.
- 7227F meets ANSI/BHMA Grade 1.
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Optional Intermediate Pivot
For 7227 set use 7227 Intermediate Pivot (handed). For 7227F set use 7227F Intermediate Pivot (handed). Each Intermediate Pivot carries up to an additional 100 pounds (45.5 kg) load or needed for doors over 7'. See page B14.
- Optional 7227 PT Power Transfer Intermediate Pivot (handed). Provides 4 wire transfer with no weight bearing capabilities. See page B20.



How to Order:

7227 - - - -

Rating:

Blank Non-fire-rated
F Fire-rated

Pivot Style:

Blank Top and bottom set
TOP Top pivot only
BTM Bottom pivot only
INT Intermediate pivot only
PT INT Power transfer intermediate pivot only

Handing:

LH Left-hand door
RH Right-hand door

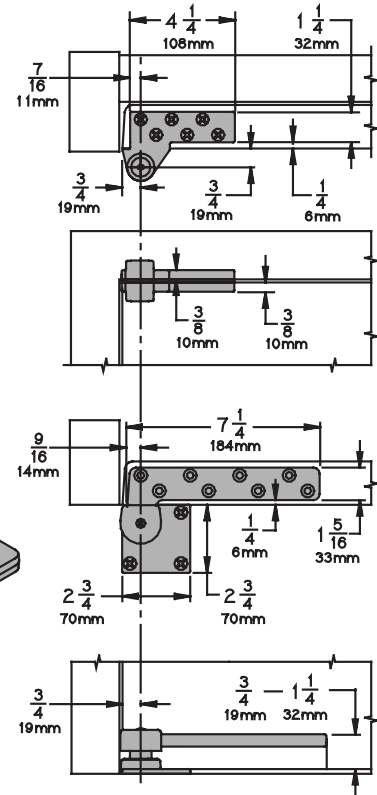
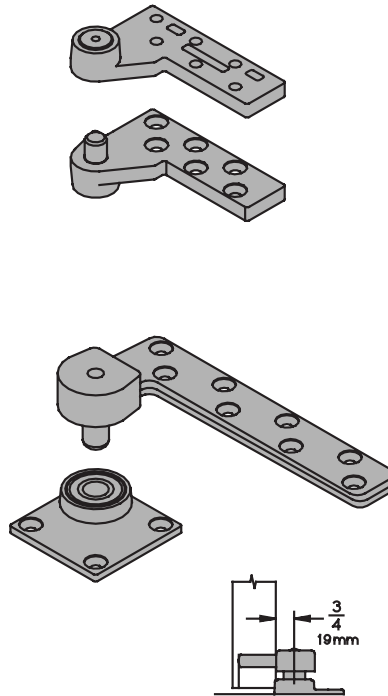
Finishes:

Non-Fire-Rated US3, US4, US10, US10B, US26, US26D, SP4, SP10, SP28, SP313, SPBLK
Fire-Rated US3, US10, US32, US32D, SP4, SP10, SP28, SP313, SPBLK

7230F 3/4" Offset, Heavy Duty

7230F Heavy Duty Pivot Set

- Non-handed 3/4" offset pivot set consisting of a base plate mounted 7230F Bottom Pivot and a head frame mounted 7230F Top Pivot.
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51mm).
- Center Line Offset 3/4" (19mm) from face of door and 3/4" from edge of door.
- Maximum Load 1000 pounds (455 kg).
- Can be used on lead-lined doors.
- UL Listed for 3 hour rated door.
- Meets ANSI/BHMA Grade 1.
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Optional 7230F Intermediate Pivot (handed) carries up to an additional 100 pounds (45.5 kg) load or needed for doors over 7'. See page B15.



How to Order:

7230F - - -

Pivot Style:

Blank	Top and bottom set
TOP	Top pivot only
BTM	Bottom pivot only
INT	Intermediate pivot only

Handing:

LH	Left-hand door
RH	Right-hand door

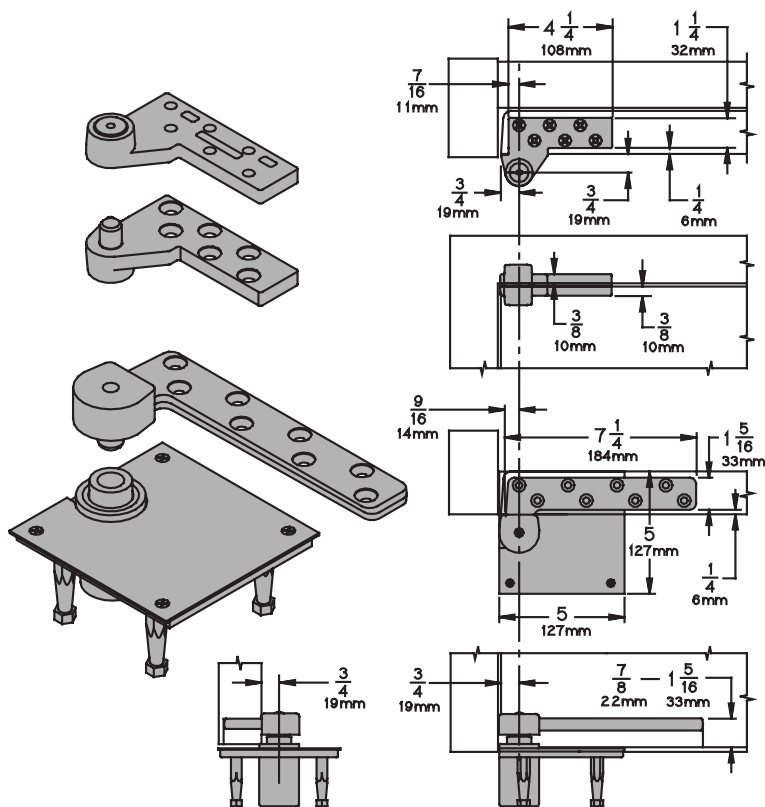
Finishes:

US3, US10, US32, US32D, SP4, SP10, SP28, SP313, SPBLK

7237F 3/4" Offset, Heavy Duty

7237F Heavy Duty Pivot Set

- Non-handed 3/4" offset pivot set consisting of a mortised cement case mounted 7237F Bottom Pivot and a head frame mounted 7237F Top Pivot.
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51mm).
- Center Line Offset 3/4" (19mm) from face of door and 3/4" from edge of door.
- Maximum Load 1750 pounds (795 kg).
- Can be used on lead-lined doors.
- UL Listed for 3 hour rated door.
- Meets ANSI/BHMA Grade 1.
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Optional 7237F Intermediate Pivot (handed) carries up to an additional 100 pounds (45.5 kg) load or needed for doors over 7'. See page B15.



How to Order:

7237F - - -

Pivot Style:

- | | |
|--------------|-------------------------|
| Blank | Top and bottom set |
| TOP | Top pivot only |
| BTM | Bottom pivot only |
| INT | Intermediate pivot only |

Handing:

- | | |
|-----------|-----------------|
| LH | Left-hand door |
| RH | Right-hand door |

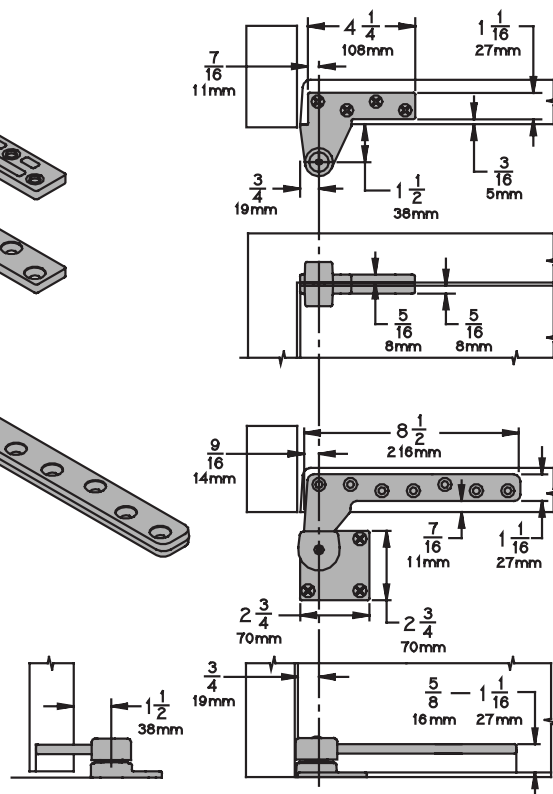
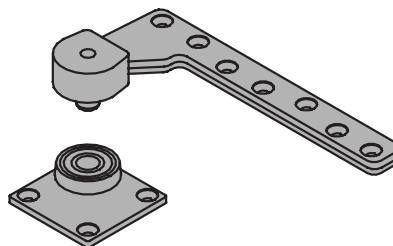
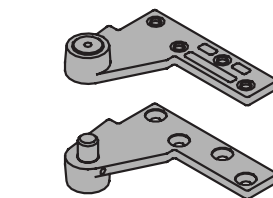
Finishes:

US3, US10, US32, US32D, SP4, SP10, SP28, SP313, SPBLK

7244F 1-1/2" Offset

7244F Heavy Duty Pivot Set

- Non-handed 1-1/2" offset pivot set consisting of a base plate mounted 7244F Bottom Pivot and a head frame mounted 7244F Top Pivot.
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51mm).
- Center Line Offset 1-1/2" (19mm) from face of door and 3/4" from edge of door.
- Maximum Load 400 pounds (182 kg).
- UL Listed for 3 hour rated door.
- Meets ANSI/BHMA Grade 1.
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Optional 7244F Intermediate Pivot (handed) carries up to an additional 100 pounds (45.5 kg) load or needed for doors over 7'. See page B15.



How to Order:

7244F - - -

Pivot Style:

- Blank** Top and bottom set
- TOP** Top pivot only
- BTM** Bottom pivot only
- INT** Intermediate pivot only

Handing:

- LH** Left-hand door
- RH** Right-hand door

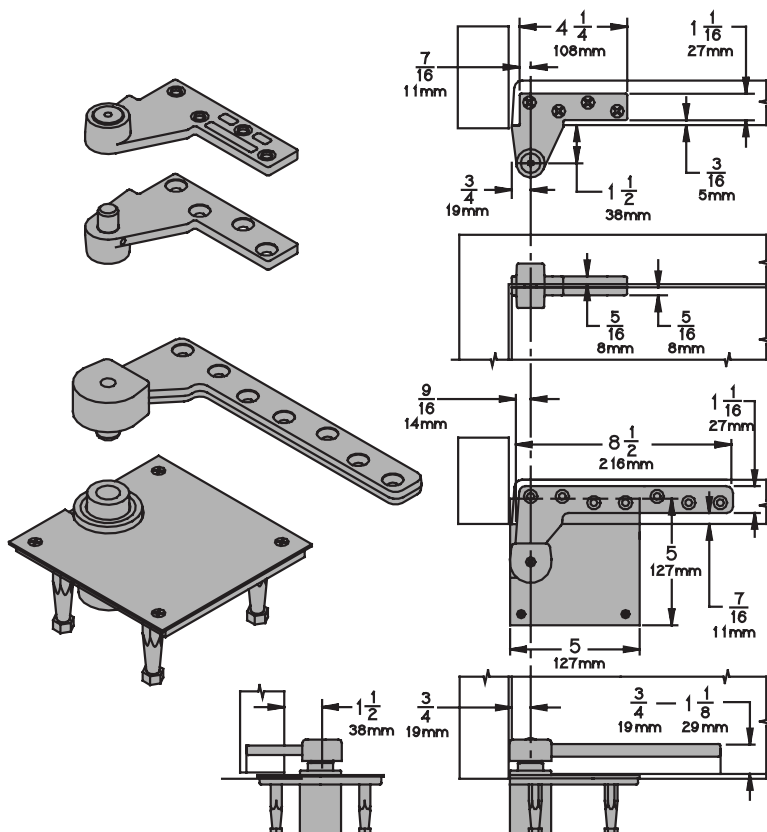
Finishes:

- US3, US10, US32, US32D, SP4, SP10, SP28, SP313, SPBLK

7245F 1-1/2" Offset

7245F Heavy Duty Pivot Set

- Non-handed 1-1/2" offset pivot set consisting of a mortised cement case mounted 7245F Bottom Pivot and a head frame mounted 7245F Top Pivot.
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51mm).
- Center Line Offset 1-1/2" (19mm) from face of door and 3/4" from edge of door.
- Maximum Load 500 pounds (227 kg).
- UL Listed for 3 hour rated door.
- Meets ANSI/BHMA Grade 1.
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Optional 7245F Intermediate Pivot (handed) carries up to an additional 100 pounds (45.5 kg) load or needed for doors over 7'. See page B15.



How to Order:

7245F - - -

Pivot Style:

Blank	Top and bottom set
TOP	Top pivot only
BTM	Bottom pivot only
INT	Intermediate pivot only

Handing:

LH	Left-hand door
RH	Right-hand door

Finishes:

US3, US10, US32, US32D, SP4, SP10, SP28, SP313, SPBLK

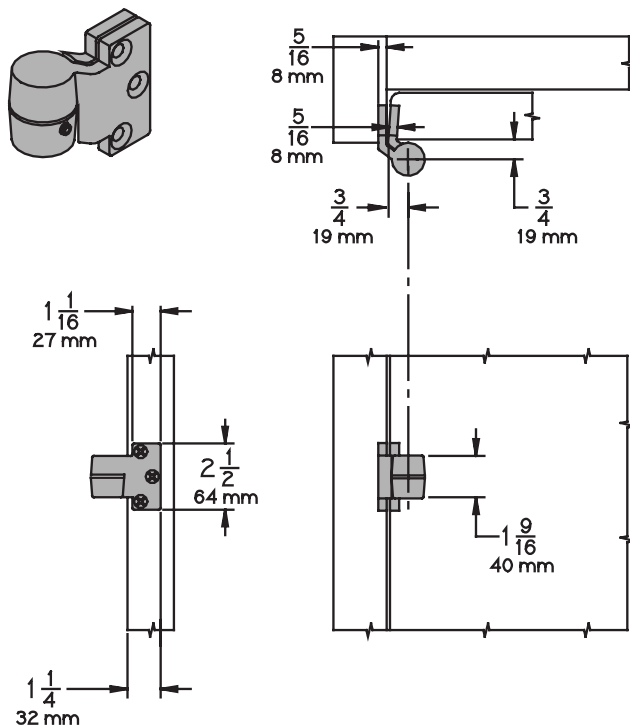
7200 Series Intermediate Pivots

General Information:

- Door Height NFPA 80, Section 3-8.3, requires additional intermediate pivot for some fire-rated doors. We recommend one for every 2'6" (762mm), or fraction thereof, door height over 5'0" (1524mm).
- Door Weight exceeding pivot set limit, add one intermediate pivot for each 100 lbs. (45.5 kg) additional.
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51mm).

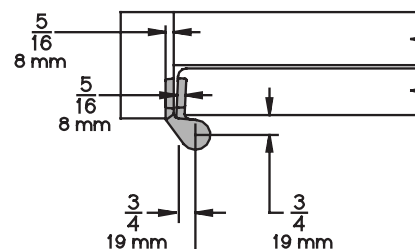
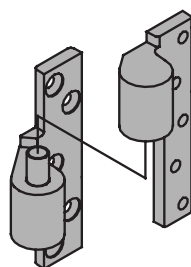
7212-7212V-7222 INT

- Handed 3/4" offset pivots compatible with the following pivot sets: 7212, 7212V and 7222.
- Maximum Load 100 pounds (45.5 kg).
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Finishes: US3, US4, US10, US10B, US26, US26D, SP4, SP10, SP28, SP313 and SPBLK.



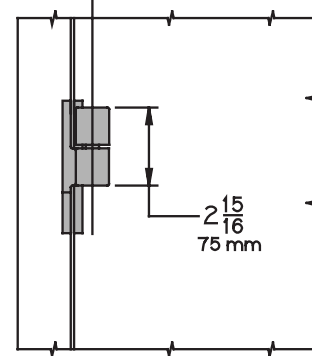
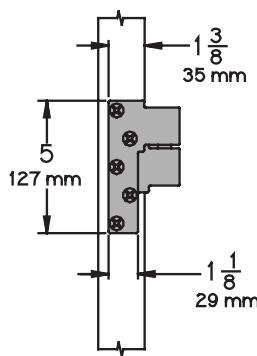
7215-7226-7227 INT

- Handed 3/4" offset pivots compatible with the following pivot sets: 7215, 7226 and 7227.
- Maximum Load 100 pounds (45.5 kg).
- UL Listed for 20 minute rated door.
- Meets ANSI/BHMA Grade 1.
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Finishes: US3, US4, US10, US10B, US26, US26D, SP4, SP10, SP28, SP313 and SPBLK.



7215F-7226F-7227F INT

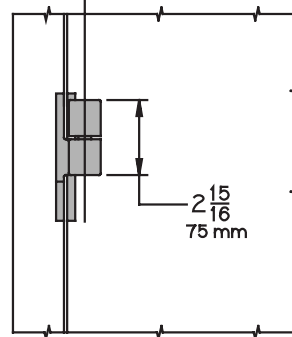
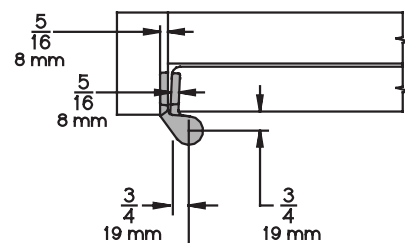
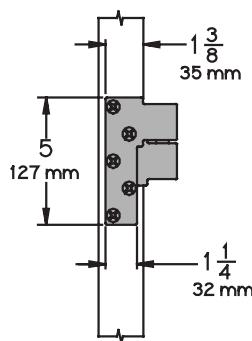
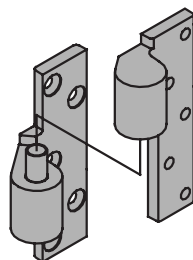
- Handed 3/4" offset pivots compatible with the following pivot sets: 7215F, 7226F and 7227F.
- Maximum Load 100 pounds (45.5 kg).
- UL Listed for 3 hour rated door.
- Meets ANSI/BHMA Grade 1.
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Finishes: US3, US10, US32, US32D, SP4, SP10, SP28, SP313 and SPBLK.



7200 Series Intermediate Pivots

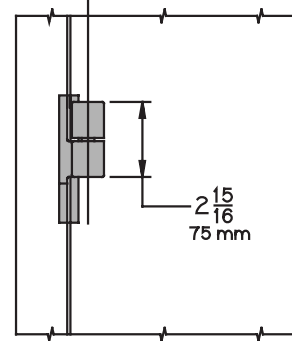
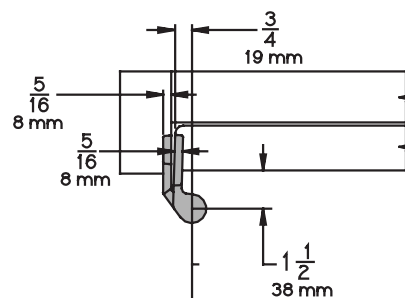
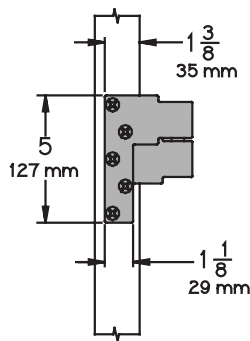
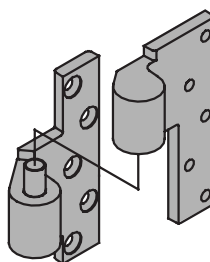
7230F - 7237F INT

- Handed 3/4" offset pivots compatible with the following pivot sets: 7230F and 7237F.
- Maximum Load 100 pounds (45.5 kg).
- Can be used on lead-lined doors.
- UL Listed for 3 hour rated door.
- Meets ANSI/BHMA Grade 1.
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Finishes: US3, US10, US32, US32D, SP4, SP10, SP28, SP313 and SPBLK.



7244F - 7245F INT

- Handed 1-1/2" offset pivots compatible with the following pivot sets: 7244F and 7245F.
- Maximum Load 100 pounds (45.5 kg).
- UL Listed for 3 hour rated door.
- Meets ANSI/BHMA Grade 1.
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Finishes: US3, US10, US32, US32D, SP4, SP10, SP28, SP313 and SPBLK.



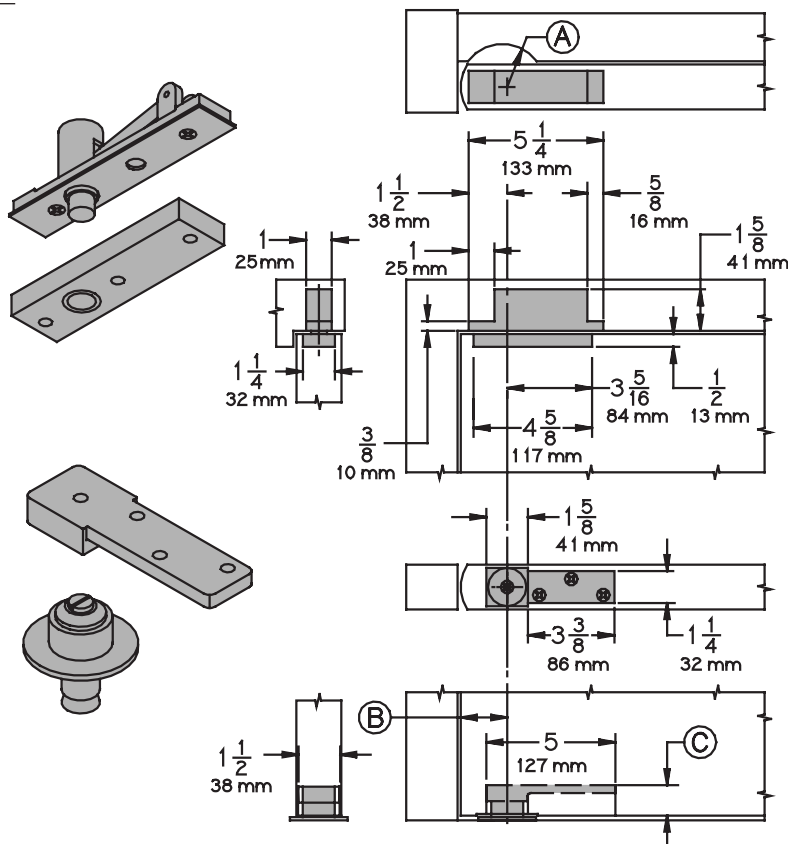
7253 Center Hung Pivot Set

7253 Pivot Set

- Center hung pivot set consisting of base plate mounted 7253 Bottom Pivot and a head frame mounted 7253 Top Pivot.
- Maximum Load 300 pounds (136 kg).
- Easy Installation Tilt on bearing and bearing pin.
- Door Thickness minimum 1-3/4" (44mm).
- Radius Stop (A) to clear heel edge of door.
- Pivot Distance (B) 1-3/4" (44mm) minimum from jamb to centerline of pivot pin. Radius heel edge of door, 1-5/8" (41mm) minimum recommended.
- Clearance from bottom edge of door to the floor mounting surface is adjustable from 3/16" (5mm) to 3/4" (19mm) by varying the depth of the mortise (C) in the bottom rail of the door, refer to Table D. Over 3/4" (19mm) from the door to floor mounting surface, consult factory.
- Vertical Adjustment based on mortise preparation in bottom rail of the door. Refer to Table D.

Table D

Clearance	Depth of Mortise
3/16" (5mm)	1-3/16" (30mm)
3/8" (10mm)	1" (25mm)
1/2" (13mm)	7/8" (22mm)
5/8" (16mm)	3/4" (19mm)
3/4" (19mm)	5/8" (16mm)



How to Order:

7253 - -

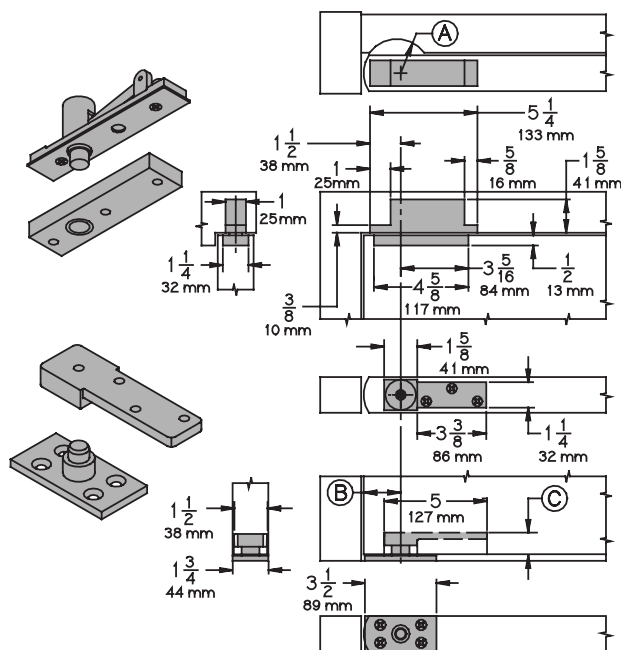
Pivot Style:

- Blank** Top and bottom set
TOP Top pivot only
BTM Bottom pivot only

Finishes:

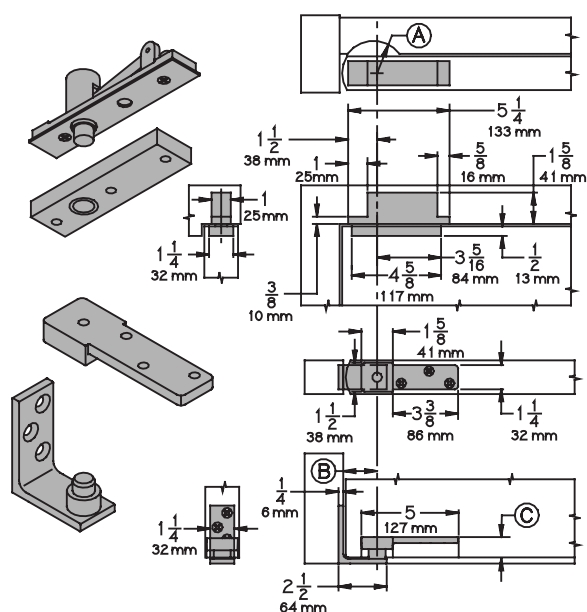
US3, US4, US10, US10B, US26, US26D, SP4, SP10, SP28, SP313, SPBLK

7255 & 7255J Center Hung Pivot Sets



7255 Pivot Set

- Center hung pivot set consisting of base plate mounted 7255 Bottom Pivot and a head frame mounted 7255 Top Pivot.
- Maximum Load 500 pounds (227 kg).
- Door Thickness minimum 1-3/4" (44mm).
- Radius Stop (A) to clear heel edge of door.
- Pivot Distance (B) 1-3/4" (44mm) minimum from jamb to centerline of pivot pin. Radius heel edge of door, 1-5/8" (41mm) minimum recommended.
- Clearance from bottom edge of door to the floor mounting surface is adjustable from 3/16" (5mm) to 3/4" (19mm) by varying the depth of the mortise (C) in the bottom rail of the door, refer to Table D. Over 3/4" (19mm) from the door to floor mounting surface, consult factory.
- Meets ANSI/BHMA Grade 1.
- Vertical Adjustment based on mortise preparation in bottom rail of the door. Refer to Table D, pg. B16.



7255J Pivot Set

- Center hung pivot set consisting of jamb mounted 7255J Bottom Pivot and a head frame mounted 7255 Top Pivot.
- Maximum Load 500 pounds (227 kg).
- Door Thickness minimum 1-3/4" (44mm).
- Radius Stop (A) to clear heel edge of door.
- Pivot Distance (B) 1-3/4" (44mm) minimum from jamb to centerline of pivot pin. Radius heel edge of door, 1-5/8" (41mm) minimum recommended.
- Clearance from bottom edge of door to the floor mounting surface is adjustable from 3/16" (5mm) to 3/4" (19mm) by varying the depth of the mortise (C) in the bottom rail of the door, refer to Table D. Over 3/4" (19mm) from the door to floor mounting surface, consult factory.
- Meets ANSI/BHMA Grade 1.
- Vertical Adjustment based on mortise preparation in bottom rail of the door. Refer to Table D, pg. B16.

How to Order:

7255 - - -

Mounting:

- Blank** Floor mounted bottom pivot
J Jamb mounted bottom pivot

Pivot Style:

- Blank** Top and bottom set
TOP Top pivot only
BTM Bottom pivot only

Finishes:

US3, US4, US10, US10B, US26, US26D, SP4, SP10, SP28, SP313, SPBLK

7256 Center Hung Pivot Set

7256 Pivot Set

- Center hung pivot set consisting of mortised cement case mounted 7256 Bottom Pivot and a head frame mounted 7256 Top Pivot.
- Door Thickness minimum 1-3/4" (44mm).
- Radius Stop (A) to clear heel edge of door.
- Pivot Distance (B) 1-3/4" (44mm) minimum from jamb to centerline of pivot pin. Radius heel edge of door, 1-5/8" (41mm) minimum recommended.
- Clearance from bottom edge of door to the floor mounting surface is adjustable from 3/16" (5mm) to 3/4" (19mm) by varying the depth of the mortise (C) in the bottom rail of the door, refer to Table D. Over 3/4" (19mm) from the door to floor mounting surface, consult factory.
- Maximum Load 600 pounds (272 kg).
- Meets ANSI/BHMA Grade 1.
- Vertical Adjustment based on mortise preparation in bottom rail of the door. Refer to Table D.

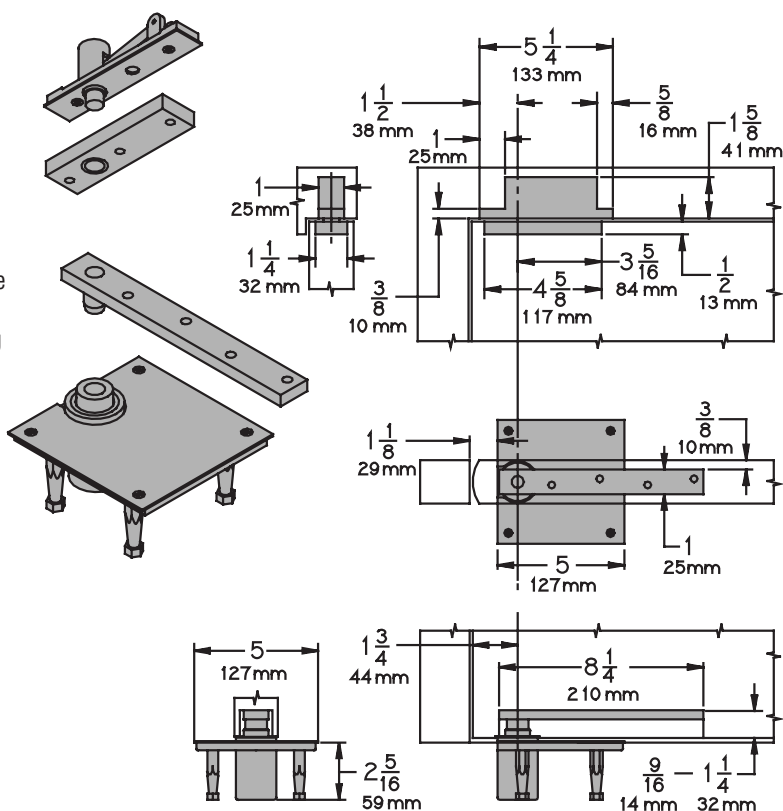


Table D

Clearance	Depth of Mortise
3/16" (5mm)	1-3/16" (30mm)
3/8" (10mm)	1" (25mm)
1/2" (13mm)	7/8" (22mm)
5/8" (16mm)	3/4" (19mm)
3/4" (19mm)	5/8" (16mm)

How to Order:

7256 - _____

Pivot Style:

- Blank** Top and bottom set
TOP Top pivot only
BTM Bottom pivot only

Finishes:

US3, US4, US10, US10B, US26, US26D, SP4, SP10, SP28, SP313, SPBLK

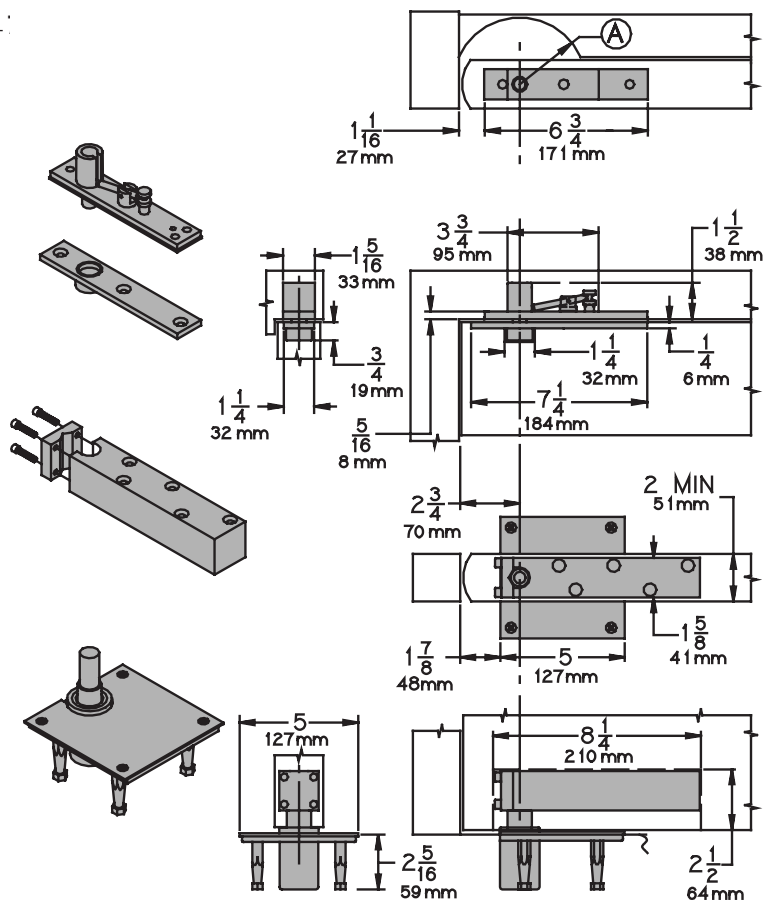
7259 Center Hung Pivot Set

7259 Pivot Set

- Center hung consisting of mortised cement case mounted 7259 Bottom Pivot and a head frame mounted 7259 Top Pivot.
- Door Thickness minimum 2" (51mm).
- Radius Stop (A) to clear heel edge of door.
- Pivot Distance (B) 1-3/4" (44mm) minimum from jamb to centerline of pivot pin. Radius heel edge of door, 1-5/8" (41mm) minimum recommended.
- Clearance from bottom edge of door to the floor mounting surface is adjustable from 3/16" (5mm) to 3/4" (19mm) by varying the depth of the mortise (C) in the bottom rail of the door, refer to Table D. Over 3/4" (19mm) from the door to floor mounting surface, consult factory.
- Maximum Load 1000 pounds (455 kg).
- Meets ANSI/BHMA Grade 1.
- Vertical Adjustment based on mortise preparation in bottom rail of the door. Refer to Table D.

Table D

Clearance	Depth of Mortise
3/16" (5mm)	1-3/16" (30mm)
3/8" (10mm)	1" (25mm)
1/2" (13mm)	7/8" (22mm)
5/8" (16mm)	3/4" (19mm)
3/4" (19mm)	5/8" (16mm)



How to Order:

7259 - -

Pivot Style:

- Blank** Top and bottom set
TOP Top pivot only
BTM Bottom pivot only

Finishes:

US3, US4, US10, US10B, US26, US26D, SP4, SP10, SP28, SP313, SPBLK

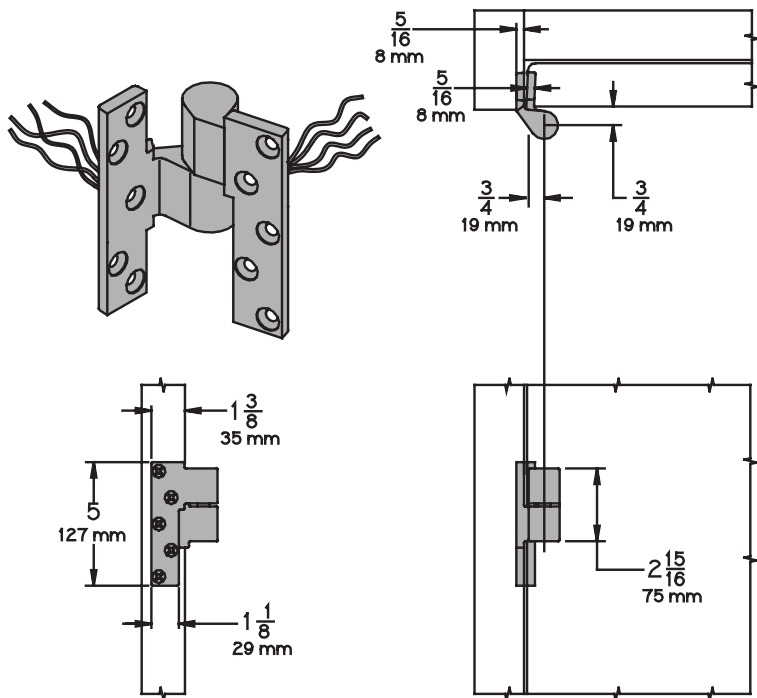
7200 Series Power Transfer Pivots

7215PT - 7226PT - 7227PT Pivot

- Handed 3/4" intermediate offset pivot compatible with 7210, 7220 or 7230 Series pivot sets.
- Center Line Offset 3/4" (19mm) from face of door and 3/4" from edge of door.
- Power Transfer Pivot features two pairs of conductors providing two separate, low voltage electric power and/or signal circuits between the door leaf and frame.
- Electrical Max. 1.0 Ampere @24V DC per pair of 28 gauge conductors.
- Non-Load Bearing Pivots.
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51 mm).
- Raceway preparation required between the door leaf area and door mounted electrical device. A raceway or other preparation is required to protect wiring routed through all grout filled frames.

Options:

- 8 Wires



How to Order:

72 PT - -

Model:

15
26
27

Handing:

LH Left-hand door
RH Right-hand door

Finishes:

US3, US4, US10, US10B, US26, US26D, SP4, SP10, SP28, SP313, SPBLK

91105F Pocket Pivot

91105F Pocket Pivot Hinge

- Full mortised and non-handed pocket pivot with heavy duty ball bearings.
- UL Listing for 3 hour rated metal doors or 20 minute wood fire doors.
- Stainless steel base material.
- For use on pocket door corridor application common in hospitals, hotels and high rise buildings. The Pocket Pivot allows the door when in the open position to be flush in the pocket of the corridor, thus keeping the door out of the way of traffic.
- Allows door to open 90°.
- Each pivot carries 90 pounds of door weight.
- Recommended quantities per door up to 7' are two pivots. Over 7' openings use three pivots.
- Optional Power Transfer Pivot, features two pairs of conductors providing two separate, low voltage electric power and/or signal circuits. May be used with Von Duprin "EL" exit devices.



How to Order:

91105F - _____ - _____

Finishes:

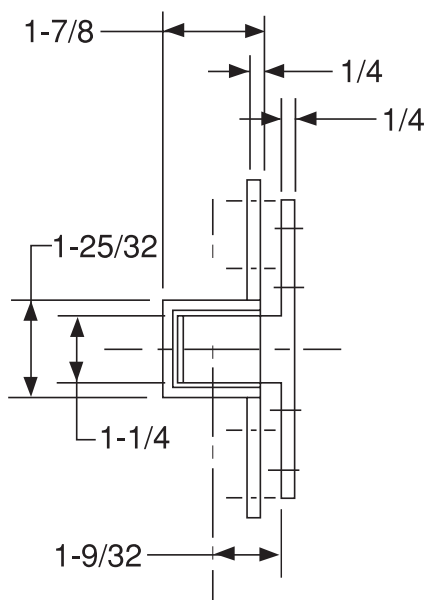
US3, US10, US32, US32D, SP313, USP

Pivot Type:

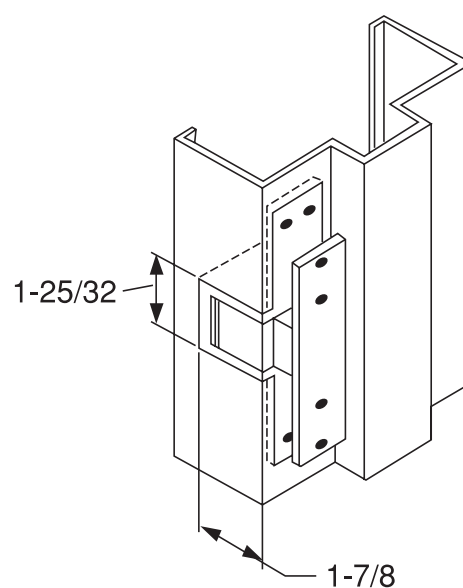
Blank	Standard
PT	Power transfer

91105F Pocket Pivot

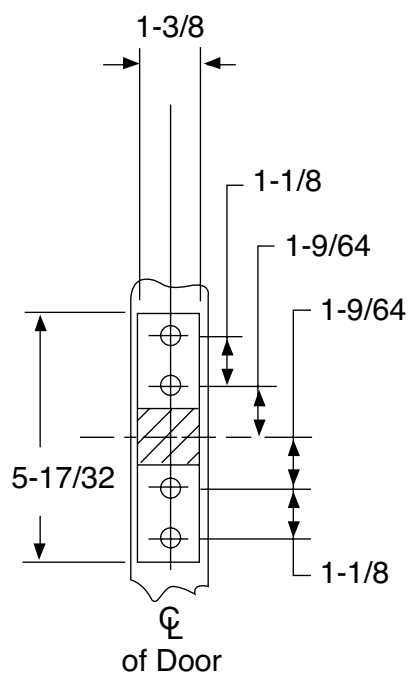
Pocket Pivot



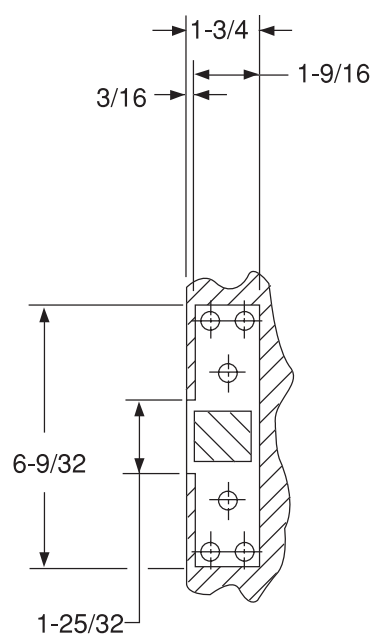
Cutout



Door Portion



Jamb Portion



Notes

Notes

Section C

Architectural Door Trim



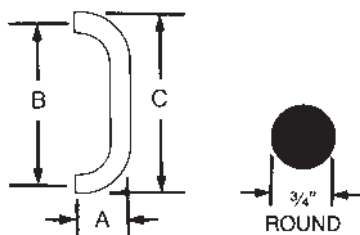
IVES®

Architectural Door Trim

8100 Series Door Pulls

- Made from the finest architectural brass, stainless steel and aluminum available.
- Each pull is carefully machined, polished and inspected before being individually wrapped and packaged.

- Door pulls are packed with standard type fasteners for 1-3/4" doors. For special mounting methods other than standard, see pages C11 - C13.
- For sizes and finishes not listed in this catalog, contact our Customer Service Department for availability.



8102 Door Pull

Prod. No.	Proj. "A"	Center to Center "B"	Overall Length "C"
8102-6	2-1/4"	6"	6-3/4"
8102-8	2-1/4"	8"	8-3/4"
8102-0	2-1/4"	10"	10-3/4"

How to Order

8102 - - -

Size:

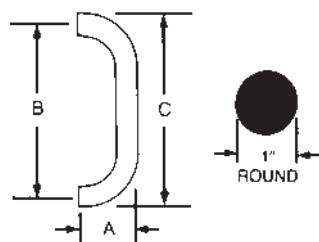
6	for 6"
8	for 8"
0	for 10"

Finishes:

US3, US4, US5, US10, US10B, US15, US15A, US26, US26D, US28, US32, US32D

Mounting Type:

Blank	standard
F	Concealed wood door w/push plate (special)
H	Concealed metal door (special)
I	Concealed wood door
J	Back to back pulls, furnished is pairs (PR) unless single pull (SGL) specified



8103 Door Pull

Prod. No.	Proj. "A"	Center to Center "B"	Overall Length "C"
8103-8	2-1/2"	8"	9"
8103-0	2-1/2"	10"	11"
8103-2	2-1/2"	12"	13"

How to Order

8103 - - -

Size:

8	for 8"
0	for 10"
2	for 12"

Finishes:

US3, US4, US5, US10, US10B, US15, US15A, US26, US26D, US28, US32, US32D

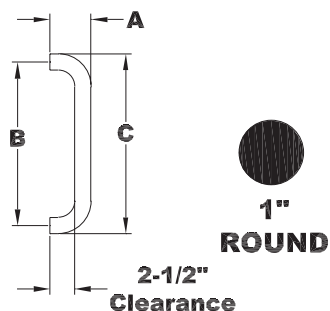
Mounting Type:

Blank	standard
F	Concealed wood door w/push plate (special)
H	Concealed metal door (special)
I	Concealed wood door
J	Back to back pulls, furnished in pairs (PR) unless single pull (SGL) specified

Architectural Door Trim

8100 Series Door Pulls

- Made from the finest architectural brass, stainless steel and aluminum available.
- Each pull is carefully machined, polished and inspected before being individually wrapped and packaged.
- Door pulls are packed with standard type fasteners for 1-3/4" doors. For special mounting methods other than standard, see pages C11 - C13.
- For sizes and finishes not listed in this catalog, contact our Customer Service Department for availability.



8103EZ Door Pull - Large 2-1/2" Clearance for the Physically Impaired

Prod. No.	Proj. "A"	Center to Center "B"	Overall Length "C"
8103EZ	3-1/2"	8"	9"
8103EZ	3-1/2"	10"	11"
8103EZ	3-1/2"	12"	13"

How to Order

8103EZ - - -

Size:

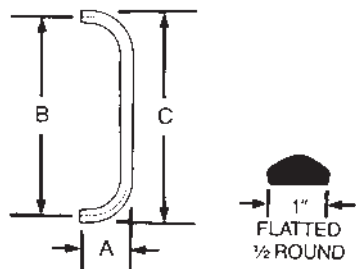
8 for 8"
0 for 10"
2 for 12"

Finishes

US3, US4, US10, US10B, US15, US15A
US26, US26D, US28, US32, US32D

Mounting Type:

Blank Standard
L Surface Concealed Two-Anchor
M Back-To-Back with Spanner Collar. Furnished in Pairs. (PR)
M1 Single (SGL) Pull. Back-to-back With Spanner Collar. RH Thread.
M2 Single (SGL) Pull. Back-to-back With Spanner Collar. LH Thread.
N Back-to-Back Two-Anchor. Furnished in Pairs. (PR)
N2 Single (SGL) Pull, Back-to-Back Two Anchor.
O Decorative Blind Thru-Bolt



8105 Door Pull

Prod. No.	Proj. "A"	Center to Center "B"	Overall Length "C"
8105-6	2"	6"	6-1/2"
8105-8	2"	8"	8-1/2"
8105-0	2"	10"	10-1/2"

How to Order

8105 - - -

Size:

6 for 6"
8 for 8"
0 for 10"

Finishes:

US3, US4, US5, US10, US10B, US15, US15A, US26, US26D, US28, US32, US32D

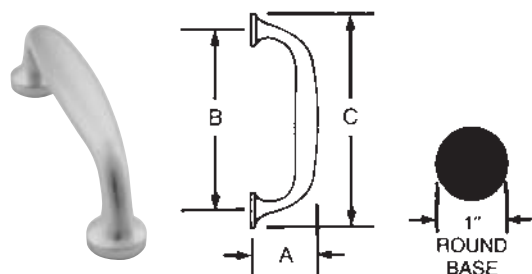
Mounting Type:

Blank Standard
F Concealed wood door w/push plate (special)

Architectural Door Trim

8100 Series Door Pulls

- Made from the finest architectural brass, stainless steel and aluminum available.
- Each pull is carefully machined, polished and inspected before being individually wrapped and packaged.
- Door pulls are packed with standard type fasteners for 1-3/4" doors. For special mounting methods other than standard, see pages C11 - C13.
- For sizes and finishes not listed in this catalog, contact our Customer Service Department for availability.



8111-5 Door Pull

Prod. No.	Proj. "A"	Center to Center "B"	Overall Length "C"
8111-5	1-13/16"	5-1/4"	6-1/4"

How to Order

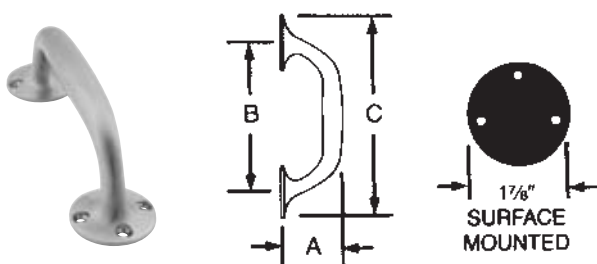
8111-5 - -

Finishes:

US3, US4, US5, US10, US10B, US15, US15A, US26, US26D, US28, US32, US32D

Mounting Type:

Blank Standard
F Concealed wood door w/push plate (special)
G Concealed w/pull plate



8112 Door Pull

Prod. No.	Proj. "A"	Center to Center "B"	Overall Length "C"
8112-5	2-3/16"	5-5/8"	7-1/2"

How to Order

8112-5 -

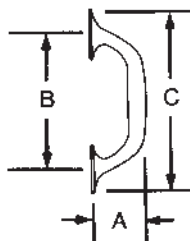
Finishes:

US3, US4, US10, US10B, US15, US15A, US26, US26D, US28

Architectural Door Trim

8100 Series Door Pulls

- Made from the finest architectural brass, stainless steel and aluminum available.
- Each pull is carefully machined, polished and inspected before being individually wrapped and packaged.
- Door pulls are packed with standard type fasteners for 1-3/4" doors. For special mounting methods other than standard, see pages C11 - C13.
- For sizes and finishes not listed in this catalog, contact our Customer Service Department for availability.



DISCONTINUED

How to Order

8113-5 - -

8113 Door Pull

Finishes:

US3, US4, US10, US10B, US15, US15A, US26, US26D, US28

Prod. No.

Proj. "A"

Center to Center "B"

Overall Length "C"

8113-5

2-3/16"

5-5/8"

7-1/2"

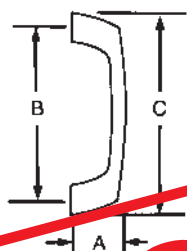
Mounting Type:

Blank

Standard

F

Concealed wood door w/push plate (special)



DISCONTINUED

How to Order

8114-5 - -

8114 Door Pull

Finishes:

US3, US4, US10, US10B, US15, US15A, US26, US26D, US28, US32D

Prod. No.

Proj. "A"

Center to Center "B"

Overall Length "C"

8114-5

1-11/16"

5-1/4"

6-3/16"

Mounting Type:

Blank

Standard

F

Concealed wood door w/push plate (special)

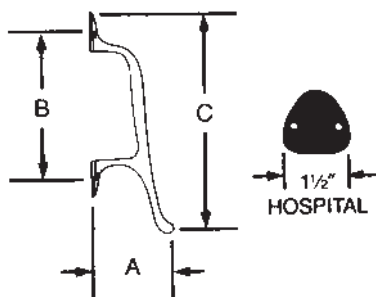
G

Concealed w/pull plate

Architectural Door Trim

8100 Series Door Pulls

- Made from the finest architectural brass, stainless steel and aluminum available.
- Each pull is carefully machined, polished and inspected before being individually wrapped and packaged.
- Door pulls are packed with standard type fasteners for 1-3/4" doors. For special mounting methods other than standard, see pages C11 - C13.
- For sizes and finishes not listed in this catalog, contact our Customer Service Department for availability.



8121 Door Pull

Prod. No.	Proj. "A"	Center to Center "B"	Overall Length "C"
8121-5	3-1/2"	5-3/4"	8-3/4"

How to Order

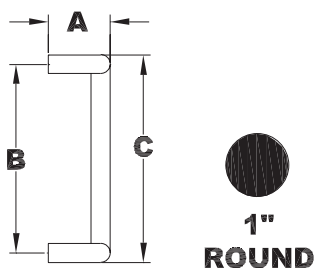
8121-5 - - -

Finishes:

US3, US10, US10B, US15, US15A, US26, US26D, US28

Mounting Type:

Blank Standard
F Concealed wood door w/push plate (special)
K Back to back pulls. Furnished in Pairs (PR).



8190 90° Offset Door Pull

Prod. No.	Proj. "A"	Center to Center "B"	Overall Length "C"
8190	3-1/4"	8"	9"
8190	3-1/4"	10"	11"
8190	3-1/4"	12"	13"
8190	3-1/4"	18"	19"

How to Order

8190 - - -

Size:

8 for 8"
0 for 10"
2 for 12"
18 for 18"

Finishes

US3, US4, US10, US10B, US15, US15A, US26, US26D, US32, US32D

Mounting Type:

Blank Standard
L Surface Concealed Two-Anchor
M Back-To-Back with Spanner Collar. Furnished in Pairs. (PR)
M1 Single (SGL) Pull. Back-to-Back With Spanner Collar. RH Thread.
M2 Single (SGL) Pull. Back-to-Back With Spanner Collar. LH Thread.
N Back-to-Back Two-Anchor. Furnished in Pairs. (PR)
N2 Single (SGL) Pull, Back-to-Back Two Anchor.
O Decorative Blind Thru-Bolt

Architectural Door Trim

9100 Series Push Bars and Pulls

- Made from the finest architectural brass and stainless steel.
- Each pushbar and pull is carefully machined, polished and inspected before being individually wrapped and packaged.
- Pushbars and pulls are packed with standard type fasteners for 1-3/4" doors. For special mounting methods, see pages C11 - C13.
- For sizes and finishes not listed in this catalog, contact Customer Service for availability.



**1"
ROUND**

9100 Pushbar

Prod No.	Proj.	Center to Center	Overall Length
9100	2-1/2"	28"	29"
9100	2-1/2"	33"	34"

- * For other length pushbars, contact customer service for availability
- * Caution - Please be sure that the length pushbar you order does not interfere with the door jamb or cause a pinch point

How to Order

9100 - - - -

Size Push:
28, 33

Finishes
US3, US4,
US32, US32D

Mounting Type:
NS Standard (Type N and Standard)
NO Decorative (Type N and Type O)

To Determine Pushbar Center-To-Center
Flush Door - Door width minus 5"
Stile & Rail Door - Door width minus width of one stile



**1"
ROUND**

9103 Straight Pull/Pushbar Combo (8103 pull + 9100 push)

Prod No.	CTC Push	CTC Pull	Proj Push&Pull
9103	28", 33"	8"	2-1/2" & 2-1/2"
9103	28", 33"	10"	2-1/2" & 2-1/2"
9103	28", 33"	12"	2-1/2" & 2-1/2"

- * For other length pushbars, contact customer service for availability
- * Caution - Please be sure that the length pushbar you order does not interfere with the door jamb or cause a pinch point

How to Order

9103 - - - -

Size Push:
28, 33

Size Pull
8 for 8", 0 for 10", 2 for 12"

Finishes
US3, US4,
US32, US32D

Mounting Type:
NS Standard (Type N and Standard)
NO Decorative (Type N and Type O)

To Determine Pushbar Center-To-Center
Flush Door - Door width minus 5"
Stile & Rail Door - Door width minus width of one stile

Architectural Door Trim

9100 Series Push Bars and Pulls

- Made from the finest architectural brass and stainless steel.
- Each pushbar and pull is carefully machined, polished and inspected before being individually wrapped and packaged.
- Pushbars and pulls are packed with standard type fasteners for 1-3/4" doors. For special mounting methods, see pages C11 - C13.
- For sizes and finishes not listed in this catalog, contact Customer Service for availability.



**1"
ROUND**

9103EZ Straight Pull/Pushbar Combo (8103EZ Pull + 9100 Push)

Prod No.	CTC Push	CTC Pull	Proj Push&Pull
9103EZ	28", 33"	8"	2-1/2" & 3-1/2"
9103EZ	28", 33"	10"	2-1/2" & 3-1/2"
9103EZ	28", 33"	12"	2-1/2" & 3-1/2"

* For other length pushbars, contact customer service for availability

* Caution - Please be sure that the length pushbar you order does not interfere with the door jamb or cause a pinch point

How to Order

9103EZ -

Size Push:
28, 33

Size Pull
8 for 8", 0 for 10", 2 for 12"

Finishes
US3, US4,
US32, US32D

Mounting Type:
NS Standard (Type N and Standard)
NO Decorative (Type N and Type O)

To Determine Pushbar Center-To-Center
Flush Door - Door width minus 5"
Stile & Rail Door - Door width minus width of one stile



**1"
ROUND**

9190 Offset Pull/Pushbar Combo (8190 pull + 9100 push)

Prod No.	CTC Push	CTC Pull	Proj Push&Pull
9190	28", 33"	8"	2-1/2" & 3-1/4"
9190	28", 33"	10"	2-1/2" & 3-1/4"
9190	28", 33"	12"	2-1/2" & 3-1/4"
9190	28", 33"	18"	2-1/2" & 3-1/4"

* For other length pushbars, contact customer service for availability

* Caution - Please be sure that the length pushbar you order does not interfere with the door jamb or cause a pinch point

How to Order

9190 -

Size Push:
28, 33

Size Pull
8 for 8", 0 for 10", 2 for 12", 18 for 18"

Finishes
US3, US4,
US32, US32D

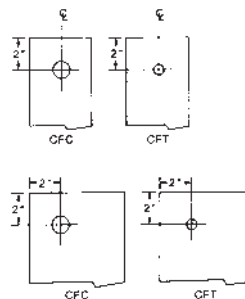
Mounting Type:
NS Standard (Type N and Standard)
NO Decorative (Type N and Type O)

To Determine Pushbar Center-To-Center
Flush Door - Door width minus 5"
Stile & Rail Door - Door width minus width of one stile

Architectural Door Trim

8200 Series Push Plates and 8300 Series Pull Plates

- Made from the finest architectural aluminum, brass, and stainless steel.
- For Push Plate sizes other than listed, contact our Customer Service Department or your local sales representative.
- All aluminum, brass, and stainless steel Push Plates meet ANSI A156.6 requirements for .050" thickness.
- Each Push Plate is packaged individually wrapped with mounting screws.
- For special mounting methods other than standard, see pages C11 - C13.



Push and Pull Plates Cut for Cylinder or Thumbturns

- All plates may be ordered with cutout for cylinder or thumbturn. Standard cutouts are positioned 2" from top of plate and centered on plates up to 4" wide or 2" from edge on plates over 4" wide. Specify hand of door when ordering cutout for plates wider than 4". On pull plates, if the pulls center-to-center dimension interferes with the cutout for the cylinder or thumbturn, please provide drawing of cutout location when ordering.
- Standard size for cylinder cutouts is 1-1/4" diameter and for thumbturn cutout is 3/8" diameter.
- When ordering, add suffix CFC for cut for cylinder, and CFT for cut for thumbturn to product number.



8200 Push Plate
8300 Pull Plate (less pull)

Available Sizes

- 3" x 12"
- 3.5" x 15"
- 4" x 16"
- 6" x 16"
- 8" x 16"

How to Order










8 - - - - -

Model:	
200	Push Plate,
300	Pull Plate, less pull
Hole Spacing: (for Pull Plate only)	
5	for 5-1/4"
6	for 6"
8	for 8"
0	for 10"
Finishes:	
US3, US4, US5, US10, US10B, US15, US15A, US26, US26D, US28, US32, US32D	
Size:	
3 x 12, 3-1/2 x 15, 4 x 16, 6 x 16, 8 x 16	
Special Options: (specify handing for plates over 4" wide)	
CFC	Cylinder cutout
CTC	Thumbturn cutout

Architectural Door Trim

8300 Series Pull Plates

- Made from the finest architectural aluminum, brass and stainless steel.
- For Pull Plate sizes other than listed, contact our Customer Service Department or your local sales representative.
- All aluminum, brass, and stainless steel Pull Plates meet ANSI A156.6 requirements for .050" thickness.
- Each Pull Plate is packaged individually wrapped with mounting screws.
- Pulls are centered on plates up to 4" wide and offset 2" from edge of plates wider than 4".
- For special mounting methods other than standard, see pages C11 - C13.

   <p>8302 Pull Plate</p> <ul style="list-style-type: none"> • 8300 Plate 3-1/2" x 15" 4" x 16" 6" x 16" • 8102 Pull 6" centers 8" centers 10" centers 	   <p>8303 and 8303EZ Pull Plate</p> <ul style="list-style-type: none"> • 8300 Plate 3-1/2" x 15" 4" x 16" 6" x 16" • 8103 Pull 8" centers 10" centers 	   <p>8305 Pull Plate</p> <ul style="list-style-type: none"> • 8300 Plate 3-1/2" x 15" 4" x 16" 6" x 16" • 8105 Pull 6" centers 8" centers 10" centers
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How to Order

83 - - - - -

Pull Style:

02 for 8102
03 for 8103
05 for 8105

Pull Center to Center:

6 for 6" (not available on 8303)
8 for 8"
0 for 10"

Finishes:

US3, US4, US5, US10, US10B, US15, US15A, US26, US26D, US28, US32D

Size:

3-1/2" x 15", 4" x 16", 6" x 16"

Special Options: (Handing needed for 6" x 16", LH or RH)

CFC Cylinder cutout
CTC Thumbturn cutout

Mounting:

Blank Standard
F Concealed pull wood doors w/push plate (special. Not available 8303EZ.)
G Concealed pull plate (Only available 8302, 8303 and 8303EZ)
I Concealed pull wood door (not available 8305 and 8303EZ)
J Back to back pull (not available 8305 and 8303EZ)

Architectural Door Trim

8300 Series Pull Plates

- Made from the finest architectural aluminum, brass and stainless steel.
- For Pull Plate sizes other than listed, contact our Customer Service Department or your local sales representative.
- All aluminum, brass and stainless steel Pull Plates meet ANSI A156.6 requirements for .050" thickness.
- Each Pull Plate is packaged individually wrapped with mounting screws.
- Pulls are centered on plates up to 4" wide and offset 2" from edge of plates wider than 4".
- For special mounting methods other than standard, see pages C11 - C13.



8311 Pull Plate

- 8300 Plate
3-1/2" x 15"
4" x 16"
6" x 16"
- 8111-5 Pull
5-1/4" centers



8314 Pull Plate

- 8300 Plate
3-1/2" x 15"
4" x 16"
6" x 16"
- 8114-5 Pull
5-1/4" centers

DISCONTINUED

How to Order

83 - 5 - - - - -

Pull Style:

- 11 for 8111
- 14 for 8114

Finishes:

- US3, US4, US5, US10, US10B, US15, US15A, US26, US26D, US28, US32D

Size:

- 3-1/2" x 15", 4" x 16", 6" x 16"

Special Options: (Handing needed for 6" x 16", LH or RH)

- CFC Cylinder cutout
- CTC Thumbturn cutout

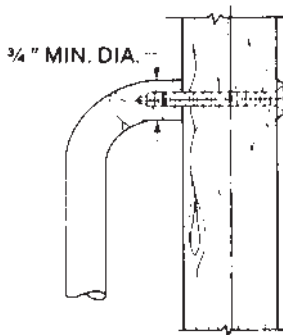
Mounting:

- Blank Standard
- F Concealed pull wood doors w/push plate (special)
- G Concealed pull plate

Architectural Door Trim

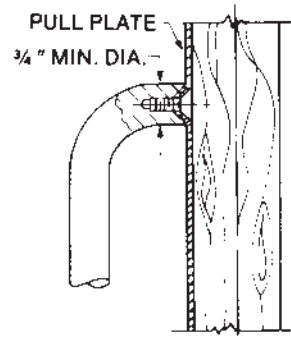
Mounting

- All mounting hardware is for standard 1-3/4" door.
- Consult Customer Service if other than standard.



Standard Mounting

- (2) 1/4-20 x 2-1/4" brass, oval head machine screws; plated to match.
- (2) No. 14 countersunk washers; plated to match



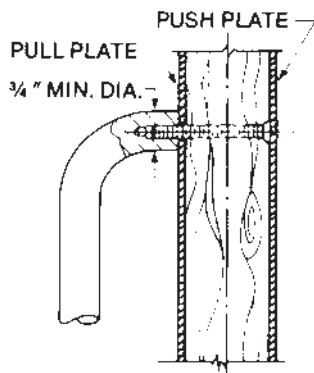
Type G

Concealed Pull Plate Mounting

Available only for 8302, 8303, 8311 and 8314 Pull Plates.

- (2) 1/4-20 x 5/8" steel flat head machine screws; zinc plated.

Pull mounts directly onto plate. Plate is attached to door by 6 screws.

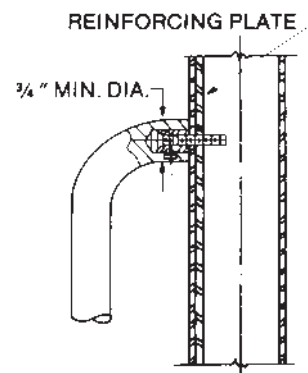


Type F-Special

Wood Doors Concealed Pull Mounting With Push Plate

- (2) 1/4-20 x 2-1/4" steel flat head machine screws; zinc plated.

Available only for 8102, 8103, 8105, 8111, 8113, 8114, 8302, 8303, 8305, 8311, 8313 and 8314. Plate on opposite side of door must be ordered separately.



Type H-Special

Reinforced Hollow Metal Door Concealed Pull Mounting

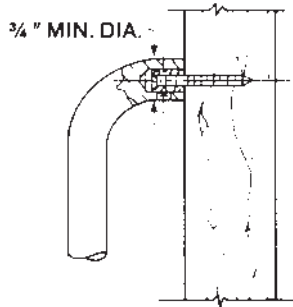
Available only for 8102 and 8103 Pulls.

- (2) Steel screw sleeves; zinc plated.
- (2) 1/4-20 x 1-1/4" steel countersunk trim head machine screw; zinc plated.

Architectural Door Trim

Mounting

- All mounting hardware is for standard 1-3/4" door.
- Consult Customer Service if other than standard.

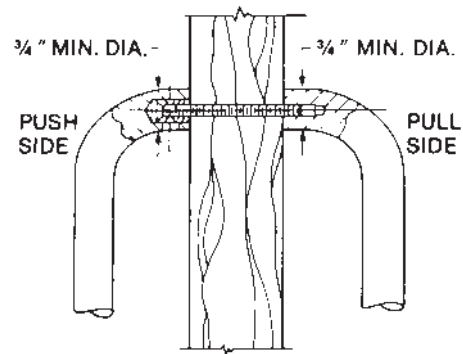


Type I

Wood Doors Concealed Pull Mounting

Available only for 8102 and 8103 Pulls.

- (2) 10 x 1-1/2" No. 10 steel countersunk trim head sheet metal screws; zinc plated.



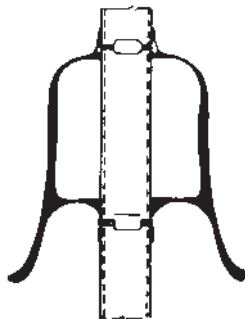
Type J

Back to Back Pull Mounting

Available only for 8102, 8103, 8302 and 8303 Pulls.

- (2) Steel screw sleeves; zinc plated.
- (2) 1/4-20 x 2-3/4" No. 10 steel countersunk trim head machine screws; zinc plated.

Pulls furnished in pairs (PR) unless single (SGL) specified.



Type K

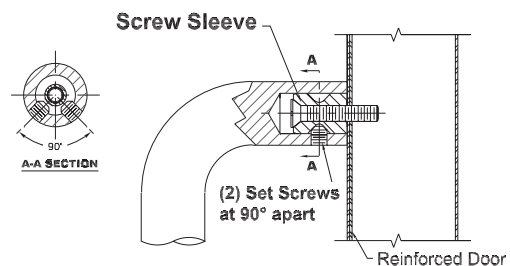
Back to Back Pull Mounting

Available only for 8121-5 Pulls.

- (4) Steel screw sleeve nuts; steel zinc plated.
- (8) No. 8-32 x 1" brass oval head machine screws; plated to match.

Pulls furnished in pairs (PR).

Surface Concealed "Two-Anchor"



Type L

Reinforced Hollow Metal Door

Available only for 8103EZ and 8190 Pulls.

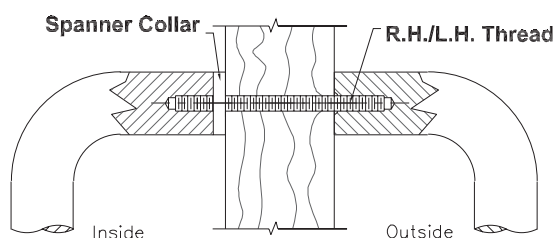
- (2) 1/4-20 x 1-1/4" steel countersunk trim head machine screws with (4) set screws for maximum anchoring force
- (2) Steel screw sleeves; zinc plated.

Architectural Door Trim

Mounting

- All mounting hardware is for standard 1-3/4" door.
- Consult Customer Service if other than standard.

Back-to-Back with Spanner Collar



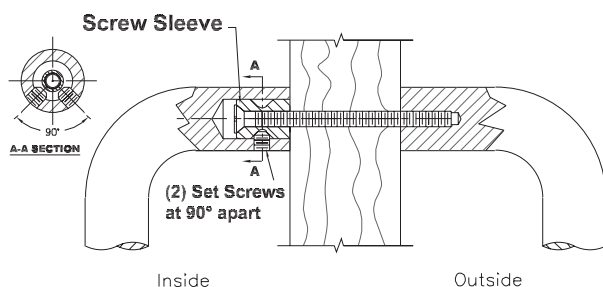
Type M

Wood or Metal Door

Available only for 8103EZ and 8190 Pulls.

- (2) 3/8-16 x 2-7/8" RH/LH bolts with finish matching spanner collars for tight, durable back-to-back mounting.

Back-to-Back "Two-Anchor"



Type N

Wood or Metal Door

Available only for 8103EZ, 8190 and 9100 series Push/Pull Combinations.

- (2) 1/4-20 x 2-3/4" steel countersunk trim head machine screws with (4) set screws for maximum anchoring force.
- (2) Steel screw sleeves; zinc plated.

Type NS-Standard Push/Pull Mounting

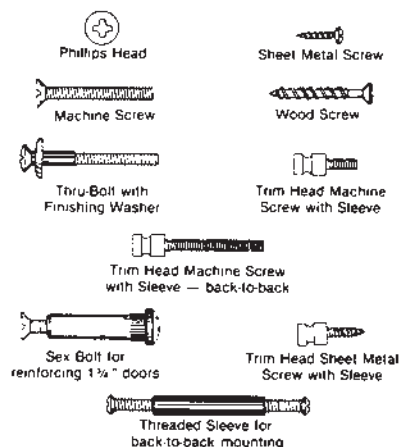
Type N & Standard

Pushbar to Pull

- (1) 1/4-20 X 3" steel countersunk trim head machine screws with (2) set screws.
- (1) steel screw sleeve, zinc plated.

Free End Pushbar & Pull

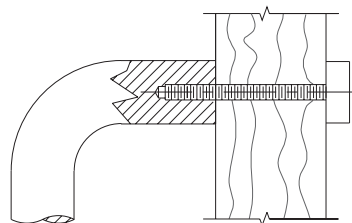
- (2) 1/4-20 X 2-1/4" brass, oval head mach screws; plated to match.
- (2) No. 14 countersunk washers; plated to match.



Fastener Guide

- Through bolt fasteners are for standard 1-3/4" thick doors.
- For fasteners other than shown contact our Customer Service Department for availability.

Decorative Blind Thru - Bolt



Type O

Wood or Metal Door

Available only for 8103EZ, 8190 and 9100 series Push/Pull Combinations.

- (2) 1/4-20 x 2-1/4" blind thru - bolts; plated to match.

Type NO Push/Pull Mounting

Type N & Type O

Pushbar to Pull

- (1) 1/4-20 X 3" steel countersunk trim head machine screws with (2) set screws.
- (1) steel screw sleeve, zinc plated.

Free End Pushbar & Pull

- (2) 1/4-20 X 2-1/4" blind thru-bolts; plated to match.

Architectural Door Trim

Series 8400 Door Protection Plates

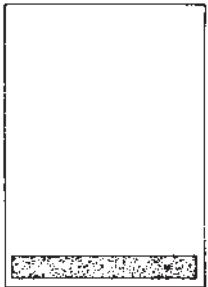
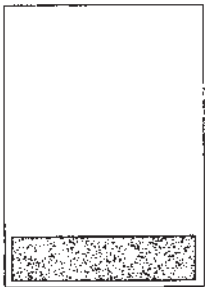
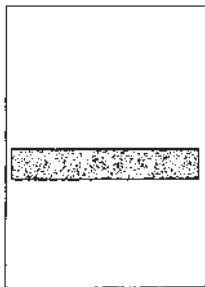
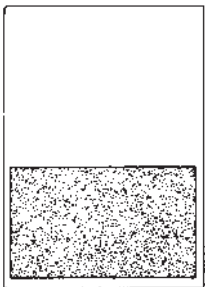
.050" Thickness

Features:

- Door Protection Plates are fabricated from the finest architectural aluminum, brass, and stainless steel, or 1/8" thick clear acrylic plastic or black or brown high impact polyethylene.
- All aluminum, brass, bronze and stainless steel Door Protection Plates meet ANSI A156.6 requirements for .050" thickness.
- Optional Beveling—For beveling of top and two sides of plates suffix with B3E, and for beveling of four sides suffix with B4E. Plastic plates are beveled on all four sides as standard.
- Each plate is packaged carefully wrapped in strong kraft paper with #6 x 5/8" oval head, undercut sheet metal screws plated to match, for easy installation on hollow metal, laminate, or wood doors. All plates are packaged in heavy duty corrugated cardboard; larger plates are enclosed in a wooden frame.



- Use No. 8401 Kickplate Gasket Tape as a buffer between brass kickplates and metal doors to help prevent tarnishing which may result from electrolytic oxidation. One package provides enough double-sided adhesive-backed foam tape for the perimeter of an 8" x 34" plate.
- Finishes:
Brass: B3, B4, B5, B10, B10B (for heights over 24", check with customer service)
Stainless Steel: S32D, S32
Aluminum: PA28
Plastic: BLK, BRN, CLR

 <p>Mop Plates</p> <ul style="list-style-type: none"> • Protect the bottom of the pull side of door subject to cleaning and mopping procedures. • Size Ranges: 4" to 6" high, 22" to 48" wide 	 <p>Kick Plates</p> <ul style="list-style-type: none"> • Protect the bottom of the push side of doors subject to scuffing from foot traffic. • Recommended for all doors subject to normal use (especially doors using a closer). • Size Ranges: 8" to 24" high, 22" to 48" wide 	 <p>Stretcher Plates</p> <ul style="list-style-type: none"> • Protect doors at specific areas where consistent contact is made by stretchers, service carts or other equipment. • Usually applied to push side of doors. • Specify "B4E" Option for beveled edges. • Size Ranges: 6" to 8" high, 22" to 48" wide 	 <p>Armor Plates</p> <ul style="list-style-type: none"> • Protect lower half of doors from abuse by hard carts, trucks and rough usage. • Usually applied to push side of single doors and both sides of double acting doors. • Size Ranges: 26" to 48" high, 22" to 48" wide
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How to Order

8400

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x

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Finish

Height:

4" up to 48" in 1/2" increments
(For brass kick plates over 24", check with customer service.)

Width:

22" up to 48" in 1/2" increments

Options: (Only for metal plates)

B3E for Bevel Top and 2 Edges
B4E for Bevel 4 Edges
CS for Counter Sink Holes
ES for Extra row of Screws

Architectural Door Trim

Series 8400 Residential Grade (RG) and Light Grade (LG) Door Protection Plates

.037" Thickness

Features:

- All RG and LG plates are .037" thick.
- Each plate is packaged in strong kraft paper or is carded.
- Selected sizes and finishes available in magnetic form for easy installation on hollow metal doors.
- Each non-magnetic plate is packed with #6 x 5/8" oval head, undercut sheet metal screws plated to match, for installation on hollow metal, laminate or wood doors.

Standard Plates (for additional sizes, check with Customer Service)

Model	Finish	Size: 6 x 30	6 x 34	8 x 30	8 x 34
8400 RG	B-505				
	Ultima Lifetime Finish	✓	✓	✓	
	B3/B-605	✓	✓	✓	✓
	B5	✓	✓		
	B-613	✓	✓		
	B-619	✓	✓	✓	✓
	B-620	✓	✓	✓	
	B-625	✓	✓		✓
	PA3	✓	✓	✓	✓
8400 LG	PA28	✓	✓	✓	✓
	32D	✓	✓	✓	✓
8400 MAG	B-505				✓
	B3/B-605	✓	✓		✓
	PA3				✓

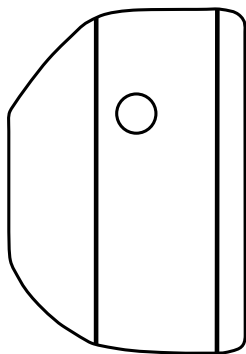
DISCONTINUED

Vandal Resistant Trim

VR900 Series

Features:

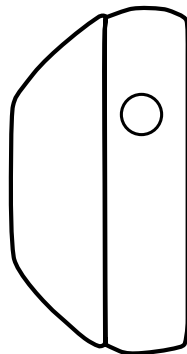
- Stainless Steel construction, 11 gage (0.120" thick).
- Thru-bolts and rugged mounting screws for maximum fastening strength.
- 1/4-20 screws and stainless steel finishing washers supplied with VR900 models; 10-24 screws supplied with VR910 models.
- Built-in lock protector prevents vandalism to mortise latchbolt (available on certain models).
- Extra-tough stainless steel cylinder collar prevents pipe wrench or similar tool from damaging cylinder. Tapered design prevents side impacts from transferring directly to cylinder. Collar spins freely.
- Sleek, attractive design.
- Furnished with mounting screws for door thicknesses of 1-3/4" to 2-1/4".
- Finish: US32D.
- Grip coated in black plastisol for softer touch and resilience to temperature extremes. Grip designed for comfortable operation.
- Meets ANSI/BHMA 156.13, Trim Security Test and California State Accessibility Standards Title 24.



VR900-RHR VR900-LHR

- For use with most mortise locks on outswinging doors, including Schlage L9000 Series locks with interior L escutcheon, N escutcheon, and rose trims.
- Includes built-in lock protector and cylinder cutout.
- Handed design allows trim to be positioned to coordinate with the centerline of inside hardware.

Prod. No.	Width	Height	Thru-Bolt Pattern	Clearance Grip to Door	Proj.
VR900	7-1/4"	11"	2" W X 10" H	1-1/2"	1-7/8"

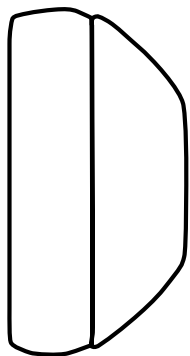


VR900LLP-RH VR900LLP-LH

- For use with most mortise locks on inswinging doors, including Schlage L9000 Series locks with interior L escutcheon, N escutcheon, and rose trims.
- Includes cutout for cylinder, less lock protector (LLP).
- Handed design allows trim to be positioned to coordinate with the centerline of inside hardware.

Prod. No.	Width	Height	Thru-Bolt Pattern	Clearance Grip to Door	Proj.
VR900LLP	5-1/4"	11"	1-3/4" W X 10" H	1-1/2"	1-7/8"

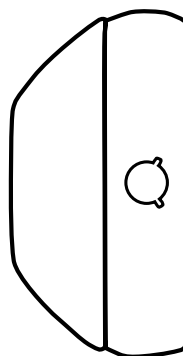
Vandal Resistant Trim



VR910-DT

- For use with Von Duprin 98/99 Series Rim and Vertical exit devices.
- Thru-bolts directly to device.
- Pull operation only. No cylinder cutout.

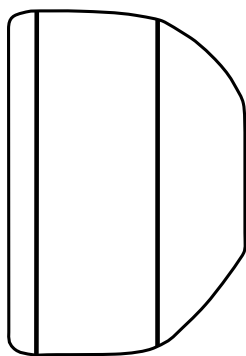
Prod. No.	Width	Height	Thru-Bolt Pattern	Clearance Grip to Door	Proj.
VR910DT	5-1/4"	11"	1-3/8" W X 7" H	1-1/2"	1-7/8"



VR910-NL

- For use with Von Duprin 98/99 Series Rim and Vertical exit devices.
- Thru-bolts directly to device.
- Includes cylinder cutout.
- Tailpiece guide and cylinder cup provided.

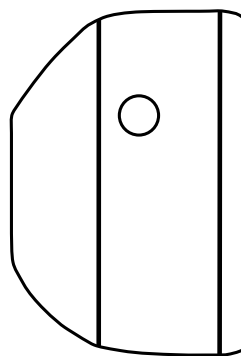
Prod. No.	Width	Height	Thru-Bolt Pattern	Clearance Grip to Door	Proj.
VR910NL	5-1/4"	11"	1-3/8" W X 7" H	1-1/2"	1-7/8"



VR910M-DT

- For use with Von Duprin 98/9975 Series Mortise exit devices.
- Thru-bolts directly to device.
- Includes built-in lock protector.
- Pull operation only. No cylinder cutout.

Prod. No.	Width	Height	Thru-Bolt Pattern	Clearance Grip to Door	Proj.
VR910M-DT	7-1/4"	11"	1-3/8" W X 7" H	1-1/2"	1-7/8"



VR910M-NL RHR VR910M-NL LHR

- For use with Von Duprin 98/9975 Series Mortise exit devices.
- Thru-bolts directly to device.
- Includes built-in lock protector and cylinder cutout.

Prod. No.	Width	Height	Thru-Bolt Pattern	Clearance Grip to Door	Proj.
VR910M-NL	7-1/4"	11"	1-3/8" W X 7" H	1-1/2"	1-7/8"

Notes

Section D

Floor Stops,
Wall Stops and Bumpers



IVES®

Floor Stops - Dome

FS13 Dome Stop

Features:

- Standard FS13 for use where no threshold is used.
- Heavy-Duty Cast Dome Stops constructed of brass.
- Unique riser design of R14 (below) allows easy conversion to threshold application.
- Units are packed with fasteners sufficient for mounting in all types of floor construction, including concrete.
- Meets ANSI/BHMA 156.6, L12141.
- Finishes: US3, US4, US10, US10B, US26 and US26D.

Product No.	Overall Height	Base Height	Base Diameter
FS13	1"	$\frac{5}{32}$ "	1 $\frac{3}{4}$ " round



FS13 x R14 pictured

FS17 Dome Stop

Features:

- One piece dome stop for use with thresholds.
- Heavy-Duty Cast Dome Stops constructed of brass.
- Units are packed with fasteners sufficient for mounting in all types of floor construction, including concrete.
- Meets ANSI/BHMA 156.1, L12161.
- Finishes: US3, US4, US10, US10B, US26 and US26D.

Product No.	Overall Height	Base Height	Base Diameter
FS17	1 $\frac{1}{32}$ "	$\frac{1}{2}$ "	1 $\frac{3}{4}$ " round



R14 Riser

Features:

- Adapts the FS13 Dome Stop to threshold use.
- Brass Die Cast Construction.
- Meets ANSI/BHMA 156.1, L12161 when used with FS13 Dome Stop.
- Finishes: US3, US4, US10, US10B, US26 and US26D.

Product No.	Riser Height	Base Diameter
R16	$\frac{5}{16}$ "	1 $\frac{3}{4}$ " round



Floor Stops – Dome

FS436 Dome Stop

Features:

- For doors without threshold.
- Heavy-Duty Cast Dome Stops constructed of brass, bronze or aluminum.
- Gray, non-marring rubber bumper.
- Packed with wood screw and plastic anchor, specify Tampin (TPN) or lead expansion shield (LS), if required.
- Meets ANSI/BHMA 156.6, L12141 for brass or bronze and L32141 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D and US28.

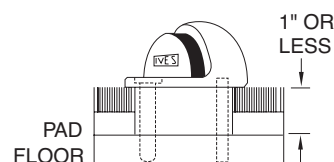
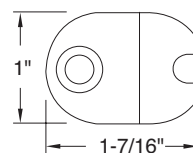


Product No.	Overall Height	Base Height	Base Diameter
FS436	1"	3/16"	1-3/4" x 2" Oval

R435 Riser

Features:

- Extruded aluminum, mill finish.
- For conversion of FS436 Dome Stop to carpet installation.
- Packed with wood screws, lead shield and stud. Specify Tampin (TPN) if required.
- Available in 1/4", 3/8", 1/2", 5/8", 3/4" and 1" height.



Product No.	Size
R435	1" x 1-3/8" Oval

How to Order:

FS - - -

Model:

- 436** Dome Stop Only
435 Riser Only
436 x 435 Dome Stop & Riser

Riser Size:

- Blank** No riser
1/4 for 1/4"
3/8 for 3/8"
1/2 for 1/2"
5/8 for 5/8"
3/4 for 3/4"
1 for 1"

Finishes:

US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28

Mounting:

- Blank** Standard
TPN Tampin
LS Lead Expansion Shield

Floor Stops – Dome

FS438 Dome Stop

Features:

- For doors with threshold or undercut doors.
- Heavy-Duty Cast Dome Stops constructed of brass, bronze or aluminum.
- Gray, non-marring rubber bumper.
- Packed with wood screw and plastic anchor, specify Tampin (TPN) or lead expansion shield (LS), if required.
- Meets ANSI/BHMA 156.6, L12141 for brass or bronze and L32141 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28.

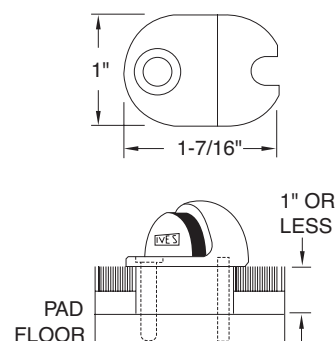


Product No.	Overall Height	Base Height	Base Diameter
FS438	1-3/8"	9/16"	1-3/4" x 2" Oval

R437 Riser

Features:

- Extruded aluminum, mill finish.
- For conversion of FS438 Dome Stop to carpet installation.
- Packed with wood screws, lead shield and stud. Specify Tampin (TPN) if required.
- Available in 1/4", 3/8", 1/2", 5/8", 3/4" and 1" height.



Product No.	Size
R437	1" x 1-3/8" Oval

How to Order:

FS - - - -

Model:

- 438** Dome Stop Only
437 Riser Only
438 x 437 Dome Stop & Riser

Riser Size:

- Blank** No riser
1/4 for 1/4"
3/8 for 3/8"
1/2 for 1/2"
5/8 for 5/8"
3/4 for 3/4"
1 for 1"

Finishes:

US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28

Mounting:

- Blank** Standard
TPN Tampin
LS Lead Expansion Shield

Floor Stops

FS18S

FS18L

Features:

- Security Door Stops designed for use in high vandalism areas.
- Molded from flame resistant, resilient material around a heavy-duty stud.
- Once grouted in concrete, leaves no exposed fasteners to be tampered with or removed.
- Ideal for jail or security cell areas where floor mounted stops are required.
- FS18L also ideal for concrete wall applications.
- Finish: Black.

Product No.	Stop Height	Stop Diameter	Stud Length
FS18S	1-1/2"	2"	2-1/2"
FS18L	3-1/2"	2"	2-1/2"



FS18S



FS18L

FS434

Features:

- Burnished wrought steel.
- Soft, resilient gray rubber.
- For undercut doors up to 1-1/2".
- Packed with screws and plastic anchors.
- Finishes: US2C, US10.

Product No.	Overall Height	Base Size
FS434	2-5/8"	1-1/2" W x 2-3/4" L



Floor Stops

FS441

Features:

- Designed to blend well with all types of construction and provide a minimum of hindrance to cleaning efforts.
- Accommodates door undercut up to 1-1/2".
- Heavy-Duty cast brass or aluminum construction.
- Non-marring rubber bumper.
- FS441 packed with expansion shield and tamper.
- FS441-WS packed with wood screws.
- FS441 meets ANSI/BHMA 156.16, L12131 for brass and L32131 for aluminum.
- FS441-WS meets ANSI/BHMA 156.16, L12121 for brass and L32121 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28.

Product No.	Overall Height	Overall Length	Base Depth
FS441-MS	2-1/8"	2-7/8"	1-5/8"
FS441-WS	2-1/8"	2-7/8"	1-5/8"



FS442

Features:

- Designed to blend well with all types of construction and provide a minimum of hindrance to cleaning efforts.
- Accommodates door undercut up to 2".
- Heavy-Duty cast brass or aluminum construction.
- Non-marring rubber bumper.
- FS442 packed with expansion shield and tamper.
- FS442-WS packed with wood screws.
- FS442 meets ANSI/BHMA 156.16, L12131 for brass and L32131 for aluminum.
- FS442-WS meets ANSI/BHMA 156.16, L12121 for brass and L32121 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28.

Product No.	Overall Height	Overall Length	Base Depth
FS442	2-7/8"	2-3/4"	1-5/8"
FS442-WS	2-7/8"	2-3/4"	1-5/8"



DISCONTINUED

Floor Stops

FS444

Features:

- Ideal for interior or exterior use.
- Cast brass construction.
- Accommodates door undercut up to 2-1/2".
- Non-marring rubber tip.
- Packed with expansion shield and lead shield.
- Meets ANSI/BHMA 156.16, L12131 for brass, and L32131 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28.

Product No.	Overall Height	Base Diameter
FS444	3"	2-1/2"



FS448

Features:

- Ideal for interior or exterior use.
- Cast brass construction.
- Accommodates door undercut up to 2-1/2".
- Non-marring rubber tip.
- Packed with wood screws.
- Meets ANSI/BHMA 156.16, L12121, for brass and L32121 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28.

Product No.	Overall Height	Base Diameter
FS448	3"	2-1/2"



Floor Door Stop & Manual Holder

FS446

Features:

- Manual type floor holder ideal for interior or exterior use.
- Cast brass or aluminum construction.
- Accommodates door undercut up to 2-1/2".
- Non-marring rubber tip.
- Unit functions as a stop but serves as a Hold-Open device when hook is manually engaged in strike. Unit requires manual disengagement to release Hold-Open.
- Packed with expansion shield and lead shield.
- Meets ANSI/BHMA 156.16, L11371 for brass and L31371 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28.

Product No.	Overall Height	Height from Floor to Stop Center Line	Stop Diameter	Base Diameter
FS446	3-3/4"	2-5/8"	1-1/16"	2-1/2"



FS450

Features:

- Manual type floor holder ideal for interior or exterior use.
- Cast brass or aluminum construction.
- Accommodates door undercut up to 2-1/2".
- Non-marring rubber tip.
- Unit functions as a stop but serves as a Hold-Open device when hook is manually engaged in strike. Unit requires manual disengagement to release Hold-Open.
- Packed with wood screws.
- Meets ANSI/BHMA 156.16, L11361 for brass and L31361 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28.

Product No.	Overall Height	Height from Floor to Stop Center Line	Stop Diameter	Base Diameter
FS450	3-3/4"	2-5/8"	1-1/16"	2-1/2"



FS451

Features:

- Manual type door holder ideal for interior or exterior use.
- Cast brass construction.
- Strike features hinged hook which engages the holder.
- Accommodates door undercut up to 2-1/2".
- Resilient rubber tip.
- FS451-WS packed with wood screws.
- FS451 packed with expansion shield and tap pin. Strike packed with sheet metal screws.
- FS451-WS meets ANSI/BHMA 156.16, L11361 for brass and L31361 for aluminum. FS451-WS meets ANSI/BHMA 156.16, L11371 for brass and L31371 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28.

Product No.	Overall Height	Base Depth	Base Width
FS451-WS	3-2/16"	2-1/2"	1-5/8"
FS451	3-3/16"	2-1/2"	1-5/8"



Floor Door Stop & Semi-Automatic Holder

FS9

Features:

- Semi-automatic floor-mounted holders accommodates with door to floor clearance of 1-1/2" or less.
- Cast from heavy-duty brass.
- Activate holder by flipping the engagement tongue forward. When door is opened, the hook (mounted on door) engages the tongue. To release, push firmly on door to disengage tongue.
- Universal screw pack accommodates all types of floor and door construction.
- Meets ANSI/BHMA 156.16, L11241.
- Finishes: US3, US4, US10, US10B, US26 and US26D.



Product No.	Overall Height	Base Dimension
FS9	3-1/2"	2" Wide x 3-1/2" Long

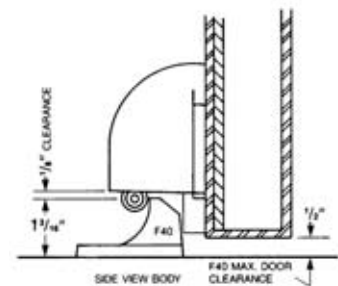
Floor Door Stop & Automatic Holder

**FS40
FS41
FS42
FS43**

Features:

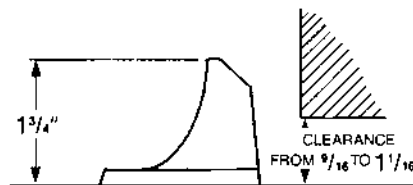
- Automatic door holders ideal for heavy-traffic situations that require a simple, fool-proof, Hold-Open device.
- Forged from brass.
- Unit is activated automatically when door is opened. A firm pull on door releases the mechanism.
- Strikes accommodate different door to floor clearances.
- Model numbers are determined by strike/door-to-floor clearances.
- Holder position on door is adjustable.
- Universal screw pack allows for installation in all types of door construction.
- Meets ANSI/BHMA 156.16, L11301.
- Finishes: US3, US4, US10, US10B, US26, US26D.

Product No.	Door to Floor Clearance	Holder Dimensions
FS40	1/2" or less	3" Wide x 3-11/16" High
FS41	9/16" to 1-1/16"	3" Wide x 3-11/16" High
FS42	1-1/8" to 1-9/16"	3" Wide x 3-11/16" High
FS43	1-5/8" to 2-1/16"	3" Wide x 3-11/16" High

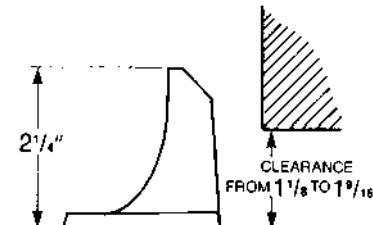


FS40

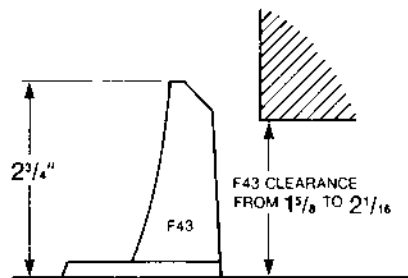
Optional Strike Details



FS41



FS42



FS43

Floor Door Stop & Automatic Holder

FS495

Features:

- Automatic door holders ideal for heavy-traffic situations that require a simple, Hold-Open device.
- Cast brass construction.
- Holds door 3-3/4" from wall.
- Recommended installation is holder on door and strike on wall.
- Holder position on door is adjustable.
- Holder is tapered to prevent "child riding."
- Meets ANSI/BHMA 156.16, L11291 for brass.
- Finishes: US3, US4, US10, US10B, US26, US26D.



FS496

Features:

- Cast brass construction.
- For door to floor clearances of 3/8" maximum.
- Meets ANSI/BHMA 156.16, L11301 for brass.
- Finishes: US3, US4, US10, US10B, US26, US26D.



FS497

Features:

- Cast brass construction.
- For door to floor clearances of 1" maximum.
- Meets ANSI/BHMA 156.16, L11301 for brass.
- Finishes: US3, US4, US10, US10B, US26, US26D.



Plunger Type Door Holders

FS1153

Features:

- Provides a contemporary yet economical method of positive Hold-Open.
- Constructed in sturdy cast aluminum.
- Spring operated plunger activates with minimal pressure, releasing instantly with a light tap on the plat-form lever.
- Provides a 1-5/8" throw for all types of doors.
- Ribbed non-marring rubber shoe is securely fastened to unit with a screw and is easily replaced when worn.
- Meets ANSI/BHMA 156.16, L31401.
- Finish: US28.

Product No.	Height	Width	Depth
FS1153	6-1/4"	1-1/2"	1-7/16"



FS1154

Features:

- Constructed from heavy-duty cast brass or bronze.
- Plunger and internal parts are plated steel and provides a 1-1/4" throw for all types of doors.
- Plunger is easily activated with minimal pressure, releasing instantly with a light tap on the platform lever.
- Round non-marring rubber shoe is securely fastened with a screw in flanged cup to prevent movement or loss. When worn, shoes are easily replaced.
- Meets ANSI/BHMA 156.16, L11401.
- Finishes: US3, US4, US10, US10B, US26, US26D.

Product No.	Height	Width	Depth
FS1154	5-1/2"	2"	1-1/4"



Kick Down Holders

FS452

Features:

- Units provide simple hold and release, activated with a touch of the foot.
- Cast brass or aluminum construction.
- Stainless steel spring.
- Non-marring rubber shoes have corrugated bottoms to provide secure grip.
- Shoes are easily replaced when worn.
- FS452-4 has a door-to-floor clearance of 2" or less. FS452-5 has a door-to-floor clearance up to 3".
- Packed with sheet metal screws.
- Meets ANSI/BHMA 156.16, L11383 for brass and L31383 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D. FS452-4 also available is US28.

Product No.	Door-to-Floor Clearance	Plate Height	Plate Width
FS452-4	2" or less	2-1/8"	1"
FS452-5	Up to 3"	2-1/8"	1"



FS455

Features:

- Units provide simple hold and release, activated with a touch of the foot.
- Cast brass or aluminum construction.
- Non-marring rubber shoes have corrugated bottoms to provide secure grip and a shank which forms its own thread when screwed into threaded cavity of holder. When worn, shoes are easily replaced.
- Door-to-floor clearances of 2" or less.
- Meets ANSI/BHMA 156.16, L11382 for brass and L31382 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US3AL, US10AL, US27/A92.

Product No.	Door-to-Floor Clearance	Plate Height	Plate Width
FS455	2" or less	1-3/4"	1-3/4"



FS544

FS555

Features:

- Units provide an economical method to hold open doors.
- Cast of durable iron.
- Non-marring rubber shoes have corrugated bottoms to provide secure grip. Rubber shoe is securely fastened with screw. When worn, shoes are easily replaced.
- FS544 for door-to-floor clearances of 2" or less. FS555 for door-to-floor clearances up to 3".
- FS544 meets ANSI/BHMA 156.16, L11381. FS555 meets ANSI/BHMA 156.16, L11391.
- Finishes: SP4, SP10, SP313, SP28, SPBLK.

Product No.	Door-to-Floor Clearance	Plate Height	Plate Width
FS544	2" or less	2-1/4"	1-7/16"
FS555	Up to 3"	2-1/4"	1-7/16"



Wall Bumpers

WS401 CVX & WS402 CVX WS401 CCV & WS402 CCV

Features:

- Constructed in heavy-duty cast brass or aluminum base.
- Special retainer cup makes rubber tamper resistant.
- The WS401CVX unit is designed with a convex rubber bumper, packed with wood screw and plastic anchor.
- The WS401CCV unit is designed with a concave rubber bumper which avoids damage to locks with projecting buttons, packed with wood screw and plastic anchor.
- The WS402CVX unit is designed with a convex rubber bumper packed with screw and drywall anchor.
- The WS402CCV unit is designed with a concave rubber bumper which avoids damage to locks with projecting buttons and is packed with screw and drywall anchor.
- WS401CVX & WS402CVX meets ANSI/BHMA 156.16 L12101 for brass and L32101 for aluminum.
- WS401CCV & WS402CCV meets ANSI/BHMA 156.16 L12251 for brass and L32251 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28.

Product No.	Mounting Hardware	Base Diameter	Base Thickness	Overall Projection
WS401CVX	Wood screw, plastic anchor	2-1/2"	3/8"	1"
WS401CCV	Wood screw, plastic anchor	2-1/2"	3/8"	1"
WS402CVX	Screw, Drywall Anchor	2-1/2"	3/8"	1"
WS402CCV	Screw, Drywall Anchor	2-1/2"	3/8"	1"



WS401CVX & WS402CVX



WS401CCV & WS402CCV

WS404CVX

Features:

- Constructed in cast brass.
- Compact size.
- Totally concealed mounting discourages vandalism or tampering.
- Unit furnished with grey convex rubber bumper.
- Packed with sheet metal screw, rawl plug and brad.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28.

Product No.	Base Diameter	Overall Projection
WS404CVX	1"	17/32"



Wall Bumpers

WS406CVX & WS407CVX WS406CCV & WS407CCV

Features:

- Constructed in sturdy yet economical wrought base of brass, aluminum or stainless steel construction.
- Feature concealed tamper-proof mounting.
- Shipped factory preassembled backplate to reduce installation cost.
- Easy installation by inserting screwdriver through small hole in rubber.
- The WS406CVX unit is designed with a convex rubber bumper, packed with wood screw and plastic anchor.
- The WS406CCV unit is designed with a concave rubber bumper, which avoids damage to locks with projecting buttons, packed with wood screw and plastic anchor.
- The WS407CVX unit is designed with a convex rubber bumper packed with screw and drywall anchor.
- The WS407CCV unit is designed with a concave rubber bumper which avoids damage to locks with projecting buttons and is packed with screw and drywall anchor.
- WS406CVX & WS407CVX meets ANSI/BHMA 156.16 L22201 for brass, L42101 for aluminum and L52101 for stainless steel.
- WS406CCV & WS407CCV meets ANSI/BHMA 156.16 L22251 for brass and L42251 for aluminum, and L52251 for stainless steel.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28, US32D.

Product No.	Mounting Hardware	Base Diameter	Base Thickness	Overall Projection
WS406CVX	Wood screw, plastic anchor	2-1/2"	3/8"	1"
WS406CCV	Wood screw, plastic anchor	2-1/2"	3/8"	1"
WS407CVX	Screw, Drywall Anchor	2-1/2"	3/8"	1"
WS407CCV	Screw, Drywall Anchor	2-1/2"	3/8"	1"



WS406CVX & WS407CVX



WS406CCV & WS407CCV

Wall Bumpers

408

Features:

- Constructed in sturdy yet economical wrought base of brass or stainless steel.
- Factory assembled backplate.
- Concealed mounting.
- Easy installation by inserting screw through small hole in rubber.
- Meets ANSI/BHMA A156.16, L22251 for brass and L59251 for stainless steel.
- 408 unit has convex rubber bumper and is packed with machine screw and expansion shield.
- Finishes: B10, B26D, PA28 and S32D.



408

Product No.	Base Diameter	Base Thickness	Overall Projection
408	2-7/16"	3/8"	1"

408 1/2 & 409 1/2

Features:

- Constructed in sturdy yet economical wrought base of brass, aluminum, or stainless steel.
- Factory assembled backplate.
- Concealed mounting.
- Easy installation by inserting screw through small hole in rubber.
- Meets ANSI/BHMA A156.16, L22251 for brass, L42251 for aluminum, and L59251 for stainless steel.
- 408-1/2 is packed with machine screw and expansion shield.
- 409-1/2 is packed with plastic drywall anchor and screw for hollow and solid walls.
- 408-1/2 Finishes: B10, B26D, PA28 and S32D.
- 409-1/2 Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D, PA28 and S32D.



409 1/2

Product No.	Base Diameter	Base Thickness	Overall Projection
408 1/2	2-7/16"	3/8"	15/16"
409 1/2	1-7/8"	3/8"	1-1/16"

411R

Features:

- Adhesive-backed wall door stop for use on clean, smooth, flat surfaces only.
- Non-marring rubber available in ~~gray~~ or white.
- Concave design permits knob to strike stop without damaging or engaging lock mechanism.
- Finishes: Specify G (gray rubber) or W (white rubber).



411R

Product No.	Base Diameter	Base Thickness	Overall Projection
411R	1-7/8"	3/8"	1-1/16"

Wall Stops

WS11 WS11X

Features:

- Constructed in heavy duty cast brass.
- WS11 is furnished with 3 countersunk mounting holes for drywall mounting.
- WS11X is furnished with a threaded stud and expansion shield for masonry type mounting.
- Hexagon section on unit aids in fastening unit when expansion shield is used.
- Rubber bumpers features off-set shoulder and threaded shank that screws into body of unit.
- WS11 meets ANSI/BHMA 156.16, L12011 WS11X meets ANSI/BHMA 156.16, L12021.
- Finishes: US3, US4, US10, US10B, US26, US26D.

Product No.	Base Diameter	Overall Projection
WS11	2"	3-3/4"
WS11X	2"	3-3/4"



WS33 WS33X

Features:

- Constructed in a durable cast brass.
- Sturdy rubber bumper with offset shoulder screws into cavity on body to prevent loss or theft.
- Sloping design discourages vandalism
- WS33 is furnished with 3 mounting holes for drywall mounting.
- WS33X is furnished with a threaded stud and expansion shield for masonry type mounting.
- Finish: US26D.

Product No.	Base Height	Base Width	Overall Projection
WS33	3"	2-1/4"	3-3/4"
WS33X	3"	2-1/4"	3-3/4"



WS65

Features:

- Burnished cast aluminum.
- Non-marring rubber bumper.
- Packed with sheet metal screws.
- Finishes: US3, US10AL, A10B, US27.

Product No.	Base Diameter	Overall Projection
WS65	1-5/8"	3-3/4"



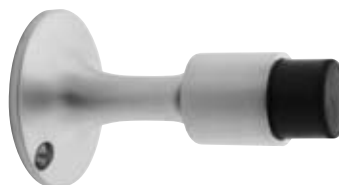
Wall Stops

WS443

Features:

- Constructed in brass.
- Ideal for interior or exterior use.
- Non-marring rubber tip.
- Packed with expansion shield and lead shield.
- Meets ANSI/BHMA 156.16, L12021 for brass and L32021 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28.

Product No.	Base Diameter	Overall Projection
WS443	2-1/4"	3-11/16"



WS447

Features:

- Constructed in brass or aluminum.
- Ideal for interior or exterior use.
- Non-marring rubber tip.
- Furnished with 3 mounting holes for drywall mounting.
- Packed with wood screws.
- Meets ANSI/BHMA 156.16, L12011 for brass and L32011 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28.

Product No.	Base Diameter	Overall Projection
WS447	2-1/4"	3-11/16"



Manual Wall Holders

WS20 WS20X

Features:

- Constructed in cast brass.
- WS20 is furnished 3 countersunk mounting holes for drywall mounting.
- WS20X is furnished with threaded stud for masonry type mounting.
- Rubber bumpers feature off-set shoulder and threaded shank that screws into body of holder.
- Hinged strike furnished matches body material and finish.
- WS20 meets ANSI/BHMA 156.16, L11341 WS20X meets ANSI/BHMA 156.16, L11351
- Finishes: US3, US4, US10, US10B, US26, US26D.

Product No.	Base Diameter	Overall Projection	Strike Height	Strike Width
WS20	2-3/8"	4"	2"	1"
WS20X	2-3/8"	4"	2"	1"



WS20 Shown

WS445

Features:

- Constructed in cast of brass or aluminum.
- Unit functions as a stop but serves as a Hold-Open device when hook is manually engaged in strike.
- Unit requires manual disengagement to release Hold-Open.
- Resilient, non-marring rubber tip.
- Packed with expansion shield and lead shield.
- Meets ANSI/BHMA 156.16, L11351 for brass and L31351 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28.

Product No.	Base Diameter	Base Projection	Engaged Projection	Strike Height	Strike Width	Strike Projection
WS445	2-1/4"	3-11/16"	5-3/4"	1-1/2"	13/16"	13/16"



WS449

Features:

- Constructed in cast of brass or aluminum.
- Unit functions as a stop but serves as a Hold-Open device when hook is manually engaged in strike.
- Unit requires manual disengagement to release Hold-Open.
- Resilient, non-marring rubber tip.
- Packed with wood screws.
- Meets ANSI/BHMA 156.16, L11341 for brass and L31341 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28.

Product No.	Base Diameter	Base Projection	Engaged Projection	Strike Height	Strike Width	Strike Projection
WS449	2-1/4"	3-11/16"	5-3/4"	1-1/2"	13/16"	13/16"



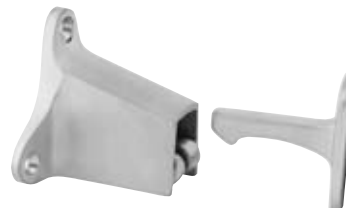
Automatic Wall Holders

WS40

Features:

- Constructed of sturdy cast brass, or aluminum.
- Holder is mounted on wall and strike is mounted on door.
- Roller on holder rides up seats itself on strike, with a heavy duty bumper pad deadening the sound and shock.
- Universal screw pack accommodates all types wall construction.
- Meets ANSI/BHMA 156.16, L11291.
- Finishes: US3, US4, US10, US10B, US26, US26D, US28.

Product No.	Base Height	Base Width	Base Projection	Engaged Projection	Strike Height	Strike Width	Strike Projection
WS40	2"	2-1/2"	2-1/4"	3-1/2"	2-1/16"	3/4"	2"



WS45 WS45X

Features:

- Constructed of cast brass, bronze or aluminum.
- Spring loaded roller rides up the face of the strike, seating itself on the strike, holding the door firmly in the open position.
- A heavy rubber pad cushions the shock and absorbs the sound.
- With unit mounted on door and the strike on wall, vertical adjustment is available on body.
- The strike is adjustable 45 degrees left or right, both adjustments easily accomplished at time of installation or at a later date.
- WS45 strike is furnished with 3 countersunk mounting holes.
- WS45X strike is furnished with a threaded stud and expansion shield for masonry type mounting.
- Meets ANSI/BHMA 156.16, L11291.
- Finishes: US3, US4, US10, US10B, US26, US26D, US28.

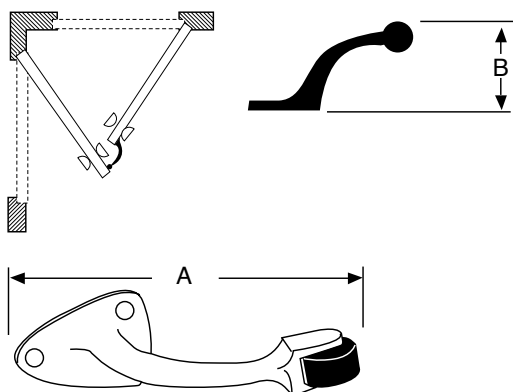
Product No.	Base Height	Base Width	Base Projection	Engaged Projection	Strike Diameter	Strike Projection
WS45	3-11/16"	3"	2"	3-7/16"	2-3/8"	3"
WS45X	3-11/16"	3"	2"	3-7/16"	2-3/8"	3"



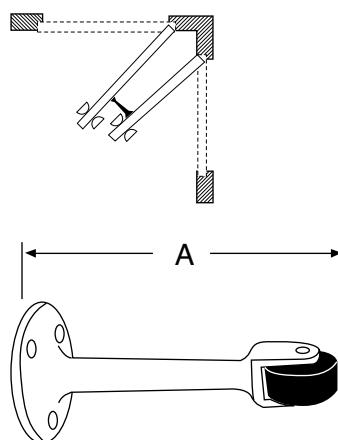
Roller Bumpers



RB470



RB471



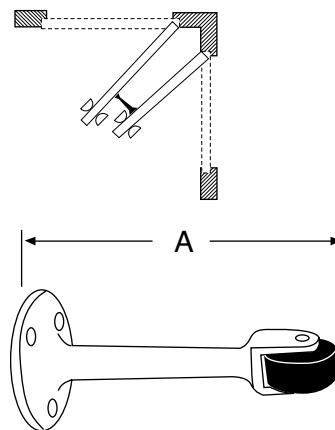
RB470 RB471 RB472

Features:

- Constructed in heavy-duty cast brass.
- RB470 used where two doors open against each other to prevent damage to the doors or hardware.
- RB471 and RB472 are ideal for use in situations where doors meet each other at approximate right angles (back to back).
- RB470 meets ANSI/BHMA 156.16, L12212 RB471 meets ANSI/BHMA 156.16, L12192 RB472 meets ANSI/BHMA 156.16, L12202.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D.



RB472



Product No.	Base Size	Arm Offset (B)	Overall Length (A)
RB470	1-11/16" x 2-1/4"	2-3/4"	5"
RB471	2" Dia.	—	4-1/2"
RB472	2" Dia.	—	6"

Door Silencers



SR64

Features:

- For use on metal frames featuring pneumatic design that, once installed, forms an air pocket to absorb shock and reduce noise of door closing.
- Tamper-proof once installed on the frame.
- Proper installation also eliminates door rattle and provides constant tension for door latches or locks.
- Packed in bags of 100. Grey also available in bulk pack of 2500.
- Each bag has an installation tool included.
- Meets ANSI/BHMA 156.16, L03011.
- Finish: grey is standard. Black optional.

Product No.	Diameter	Thickness
SR64	1/2"	1/8"



SR65

Features:

- For use on wood frames, also feature pneumatic design to cushion shock and absorb noise.
- To prevent removal, a small brad should be driven into stop strip and through stem of silencer, as shown in the detail.
- Packed in bags of 100.
- Meets ANSI/BHMA 156.16, L03021
- Finish: grey.

Product No.	Height	Width	Thickness
SR64	3/4"	3/8"	1/8"



SR66

Features:

- Self Adhesive Rubber Silencers.
- Economical installation requires no drilling of frames.
- Packed in sheets of 100.
- Finishes: brown, grey, white.

Product No.	Diameter	Thickness
SR66	1/2"	1/8"

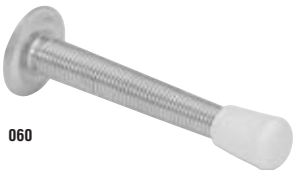
Residential Door Stops

060 and 061 Flexible Door Stops

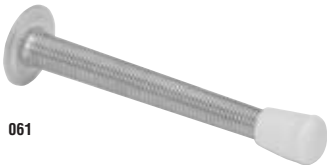
Features:

- Utilizes heavy gauge spring to maintain rigid protections.
- Simple to install - only a screwdriver required.
- Rubber tip is replaceable.
- Made from burnished wrought steel.
- Meets design requirements of ANSI/BHMA A156.16.
- Packed disassembled for quick installation.
- Finishes: F3, F5, F10, F10B, F14, F26, F26D.

Product Number	Projection
060	3"
061	4"



060



061

60, 61 and 62 Base Door Stops

Features:

- Available in three sizes to accommodate varying areas of installation and door trim dimensions.
- Rubber tip is replaceable.

60 Base Door Stop

- Projection: 3-3/4".
- Made from solid brass or aluminum.
- Finishes: B3 (B-605), B4, B5, B10, B10B (B-613), B14, B15 (B-619), B15A (B-620), B26 (B-625), B26D, A3, A4, A5, A10, A10B, A14, A26, A92.

61 Base Door Stop

- Projection: 3-1/8" on brass units. 3-3/16" on aluminum units.
- Made from solid brass, aluminum, or epoxy colored aluminum.
- Finishes: B3 (B-605), B4, B5, B10, B10B (B-613), B14, B15 (B-619), B15A (B-620), B26 (B-625), B26D, A3, A4, A5, A10, A10B, A14, A26, A92, A-A (Almond Epoxy Coated), A-W (White Epoxy Coated), A-BLK (Black Epoxy Coated).

62 Base Door Stop

- Projection: 4-1/2".
- Made from solid brass or aluminum.
- Finishes: B3 (B-605), B4, B5, B10, B10B (B-613), B14, B15 (B-619), B15A (B-620), B26 (B-625), B26D, A3, A4, A5, A10, A10B, A14, A26, A92.



60



61

062 Base Door Stop

Features:

- Base Door Stop features one-piece styling.
- Designed with a flat surface to accommodate wrench or pliers when installing.
- Rubber tip is replaceable.
- Made from solid brass or aluminum.
- Meets ANSI/BHMA A156.16.
- Finishes: B3 (B-605), B4, B5, B10, B10B (B-613), B14, B15 (B-619), B15A (B-620), B26 (B-625), B26D, A3, A4, A5, A10, A10B, A14, A26, A92.

Product Number	Projection
062	2 1/2"



DISCONTINUED

Residential Door Stops

64 Base Door Stop

Features:

- Base Door Stop features deluxe one-piece styling.
- Easily screws into base.
- Designed with square head to accommodate wrench or pliers when installing.
- Rubber tip is replaceable.
- Made from solid brass or aluminum.
- Finishes: B3 (B-605), B4, B5, B10, B10B (B-613), B14, B15 (B-619), B15A (B-620), B26 (B-625), B26D, A3, A4, A5, A10, A10B, A14, A26, A92.

Product Number	Projection
64	3-1/4"

430 Floor Door Stop

Features:

- One-piece design easily screws into floor.
- Rubber tip is replaceable.
- Made from solid brass or aluminum.
- Finishes: B3 (B-605), B4, B5, B10, B10B (B-613), B14, B15 (B-619), B15A (B-620), B26 (B-625), B26D, A3, A4, A5, A10, A10B, A14, A26, A92.

Product Number	Base Diameter	Height
430	1-1/4"	1-5/16"



69 Hinge Pin Door Stop

Features:

- For use on hinged doors where the installation of a standard door stop is not desirable.
- Positive slip proof adjustment.
- Non-marring rubber tips.
- Removable bushings accommodate 1/4" to 5/16" diameter hinge pins.
- Easy installation—only a screwdriver required.
- Made from burnished wrought steel.
- Finishes: F3, F5, F10, F10B, F14, F15, F15A, F26, F26D.

Product Number	Door Openings Adjustments
69	70° to 100°



70 Hinge Pin Door Stop

Features:

- For use on hinged doors where the installation of a standard door stop is not desirable.
- Designed for narrow trim installation.
- High quality rubber bumpers - shoulder on stud supports rubber through entire body for engineered cushioning.
- Replaceable, non-marring rubber tips.
- Removable bushings accommodate 1/4" to 5/16" diameter hinge pins.
- Easy installation.
- Made from solid brass, aluminum, or epoxy coated aluminum.
- Finishes: B3 (B-605), B4, B5, B10, B10B (B-613), B14, B15 (B-619), B15A (B-620), B26 (B-625), B26D, A3, A4, A5, A10, A10B, A14, A26, A92, A-A (Almond Epoxy Coated), A-W (White Epoxy Coated), A-BLK (Black Epoxy Coated).

Product Number	Door Openings Adjustments
70	85° to 125°



Notes

Section E

Surface Bolts,
Dutch Door Bolts and
Door Guards



IVES

Surface Bolts

SB1600

- Standard Surface Bolt has 1" throw for maximum security.
- Ideal for all types of doors.
- Fully concealed mounting prevents vandalism.
- Available in locking version. Unit locks in both the up and down position. Locking Bolts are furnished with 2 keys in 4 keying variations.
- Units packed with wood and machine screws to meet most field conditions.
- Units available with either a universal top strike (T) or a flat bottom strike (B).
- 1630 Series is constructed of heavy duty steel.
- 1640 Series is constructed of brass.
- 1630 Series is UL listed up to 3 hours when used on the inactive door of a pair up to 8' in height.
- 1630 meets ANSI/BHMA A156.16, L84161.
- 1640 meets ANSI/BHMA A156.16, L24161.
- Finishes: 1630 – US2G, US10B, US26D
1640 – US3, US10B, US26D
- Optional sex bolts available.



Dimensions:

Body: 8" Long x 7/8" Wide x 3/4" Thick,
Overall Knob or Lock Housing Projection: 1-1/2"
Top Strike: 1-1/4" Wide x 7/8" Tall x 15/16" Deep
Bottom Strike: 3" Long x 1" Wide x 1/8" Thick

How to Order:

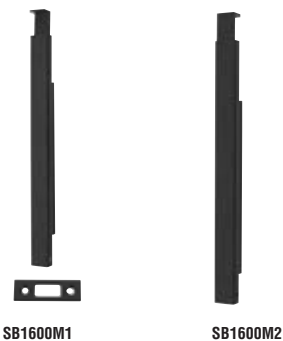
SB16		-		-	
Model:					
30	Steel				
40	Brass				
Strike:					
T	Universal Top Strike				
B	Flat Bottom Strike				
TB	Both Strikes, 1630 only				
Type:					
Blank	Standard Bolt				
L	Locking Bolt				
Key Code:					
Locking only (1289, 1360, 1390, 1395)					
Finishes:					
1630	US2G, US10B, US26D,				
1640	US3, US10B, US26D				

Surface Bolts

SB1600M1

SB1600M2

- Standard Surface Bolt has 3-1/2" throw for maximum security and for doors with larger undercuts.
- Sleek handle design.
- Ideal for all types of doors.
- Fully concealed mounting prevents vandalism.
- Available in locking version. Unit locks in both the up and down position. Locking bolts are furnished with 2 keys in 4 keying variations.
- Units packed with wood and machine screws to meet most field conditions.
- Units available with either a universal top strike (T) or a flat bottom strike (B).
- Constructed of heavy duty steel.
- UL listed up to 3 hours when used on the inactive door of a pair up to 8' in height.
- Finishes: SP4, SP10, SP28, SP313, SPBLK.
- Optional Sex Bolt available.



Dimensions:
 Bar: 11" Long x 3/4" Wide x 3/4" Thick, locking version 1-1/2" Thick
 Top Strike: 1-1/4" Wide x 7/8" Tall x 15/16" Deep
 Bottom Strike: 3" Long x 1" Wide x 1/8" Thick

How to Order:

SB1600

Model:

M1

M2

Handle Up

Handle Down

Strike:

T

B

Universal Top Strike

Bottom Strike

Type:

Blank

L

Standard Bolt

Locking Bolt

Key Code:

Locking only (1289, 1360, 1390, 1395)

Finishes:

SP4, SP10, SP28, SP313, SPBLK

Surface Bolts

SB360

Features:

- Surface Bolt has 1-1/4" throw for maximum security.
- Jimmy-resistant design, bolt locks automatically when thrown, can be released only by pressing knob toward door while retracting.
- Ideal for all types of doors.
- Available in 12" or 24" lengths.
- Unit locks in both the up and down position.
- Accepts padlock (not furnished) with maximum 3/8" diameter shackle, minimum 1-3/4" shackle opening height.
- Units packed with one-way screws for added security. Standard screws also supplied.
- Units available with either a universal top strike (T) or a flat bottom strike (B).
- Constructed of heavy duty steel.
- 12" Bolt is UL listed up to 3 hours when used on the inactive door of a pair up to 10' in height.
- Meets ANSI/BHMA A 156.16.
- Finish: US2C
- Optional Sex Bolts available.
- Optional Mortise Strike available.



Dimensions:

Bar: 3/4" Wide x 3/4" Thick
Overall Width: 2-1/32"
Overall Projection: 2-1/16"
Top Strike: 1-1/2" x 1-1/2" Angle, 3/16" Thick
Optional Mortise Strike: 3-1/2" Long x 1-5/8" Wide x 1/8" Thick

How to Order:

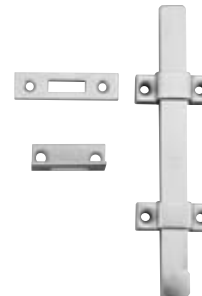
SB360 - _____ - _____ - _____

Length:	
12	For 12" bolt
24	For 24" bolt
Strike:	
T	Universal Top Strike (standard)
Finish:	
US2C	

Surface Bolts

SB453

- Surface Bolt has 1-3/16" throw for maximum security.
- Strong tension springs prevent creep.
- Ideal for all types of doors.
- Available 8", 12", 18" or 24" lengths.
- Units packed with standard screws for added security.
- Units packed with both a universal top strike (T) and a mortise bottom strike (B).
- Constructed of heavy duty steel.
- 8" and 12" Bolts are UL listed up to 3 hours when used on the inactive door of a pair up to 10' in height.
- Meets ANSI/BHMA A156.16 L84161
- Finishes: US2C, US10, US10B, US26D.
- Optional Sex Bolts available.
- Optional Thru Bolts available.



Dimensions:

Bar: 3/4" Wide x 1/4" Thick

Overall Width: 2-1/32"

Overall Projection: 1-5/16"

Top Strike: 1-1/2" x 1-1/2" Angle, 3/16" Thick

Bottom Strike: 3-1/2" Long x 1-5/8" Wide x 1/8" Thick

How to Order:

SB453- _____ - _____ - _____

Length:

8 for 8"
12 for 12"
18 for 18"
24 for 24"

Strike:

TB Top and Bottom Strike

Finishes:

US2C (available in all lengths)
 US26D (available in 8" and 12" lengths)
 US10 (available in 8" length only)
 US10B (available in 8" and 12" lengths)

Surface Bolts

SB454

- Surface Bolt has 1-3/16" throw for maximum security.
- Jimmy-resistant design, bolt locks automatically when thrown, can be released only by pressing knob toward door while retracting.
- Ideal for all types of doors.
- Available 5", 8" and 12" lengths.
- 8" and 12" units packed with both a universal top strike (T) and a mortise bottom strike (B).
- 5" unit packed with universal top strike (T) only.
- Constructed of heavy duty steel.
- Bolts are UL listed up to 3 hours when used on the inactive door of a pair up to 10' in height.
- Meets ANSI/BHMA A156.16 US4101
- Finishes: US2C, US10, US10B, US26D.
- Optional Sex Bolts available.
- Optional Thru Bolts available.



DISCONTINUED

Dimensions:
 Bar: 3/4" Wide x 1/4" Thick
 Overall Width: 2-1/32"
 Overall Projection: 1-5/16"
 Top Strike: 1-1/2" x 11/2" Angle, 3/16" Thick
 Bottom Strike: 3-1/2" Long x 1-5/8" Wide x 1/8" Thick

How to Order:

SB454- - - -

Length:
 5 for 5"
 8 for 8"
 12 for 12"

Strike:
 T Top Strike (available in 5" length only)
 TB Top and Bottom Strike (available in 8" or 12")

Finishes:
 US2C, US10, US26D (available in all lengths)
 US4 (available in 5" lengths only)
 US10B (available in all lengths)

Surface Bolts

SB0454

- Surface Bolt has 1-3/16" throw for maximum security.
- Jimmy-resistant design, bolt locks automatically when thrown, can be released only by pressing knob toward door while retracting.
- Ideal for all types of doors.
- Available 5" and 8" lengths.
- Unit locks in both the up and down position.
- Accepts padlock (not furnished) with maximum 3/8" diameter shackle, minimum 1-3/8" shackle opening height.
- Units packed with one-way screws for added security. Standard screw also supplied.
- 8" unit packed with both a universal top strike (T) and a mortise bottom strike (B).
- 5" unit packed with universal top strike (T) only.
- Constructed of heavy duty steel.
- Meets ANSI/BHMA A156.16 L84161
- Finishes: US2C, US26D.
- Optional Sex Bolts available.
- Optional Thru Bolts available.



DISCONTINUED

Dimensions:

Bar: 3/4" Wide x 1/4" Thick
Overall Width: 2-1/32"
Overall Projection: 1-5/16"
Top Strike: 1-1/2" x 1-1/2" Angle, 3/16" Thick
Bottom Strike: 3-1/2" Long x 1-5/8" Wide x 1/8" Thick

How to Order:

SB0454- - - -

Length:

5 for 5"
8 for 8"

Strike:

T Top Strike (available in 5" length only)
TB Top and Bottom Strike (available in 8" length only)

Finishes:

US2C, US26D

Decorative Surface Bolts

40

- Concealed screw design enhances appearance and security.
- Exceptional strength and durability provided by interlocking construction of heavy gauge track and rod.
- Permanent stop prevents rod disengagement from track.
- Tension spring holds bolt in desired position.
- Track assures smooth operation and interlocks with side edges of rod to eliminate marring.
- Decorative 5/8" diameter knob designed to facilitate bolt operation.
- Made from extruded brass or aluminum.
- Available in 2", 3", 4", 6", 9" and 12" lengths.
- Packed with both Universal and Mortise Strikes. Optional Surface Strike available.
- 4" thru 12" lengths meet design requirements of ANSI/BHMA A156.16.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D, PA28.

To Order: Specify finish and length.



Dimensions:

Throw: 7/16" on 2" bolt; 15/16" on all other lengths
Projection: 3/4"
Width: 11/16"
Length: Specify 2", 3", 4" 6", 9" or 12"

043

- Features attractive 3/8" half-round rods and well-proportioned guides.
- Semi-concealed guides assure smooth operation and are positioned under the rod to eliminate marring the surface of the bolt.
- Stainless steel tension spring prevents rod disengagement from guide and provides permanent spring tension to hold bolt in desired position.
- Decorative 1/2" diameter knob designed to facilitate bolt operation.
- Made from solid brass or burnished steel.
- Available in 2", 3", 4" and 6" lengths.
- Packed with both Universal and Angle Strikes. Optional Mortise Strike (MS) available.
- Meets design requirements of ANSI/BHMA A156.16.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D, F3, F5, F14.

To Order: Specify finish and length.



Dimensions:

Throw: 3/4"
Projection: 3/4"
Half Round Rod: 3/8"
Overall Width: 1-3/16"
Length: Specify 2", 3", 4" or 6"

43

- Features attractive 1/2" half-round rods and well-proportioned guides.
- Semi-concealed guides assure smooth operation and are positioned under the rod to eliminate marring the surface of the bolt.
- Stainless steel tension spring prevents rod disengagement from guide and provides tension to hold bolt in desired position.
- Decorative 3/4" diameter knob designed to facilitate bolt operation.
- Made from solid brass or burnished steel.
- Available in 4", 6", 9" and 12" lengths.
- Packed with both Universal and Angle Strikes.
- Meets design requirements of ANSI/BHMA A156.16.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D, F3, F4, F5.

To Order: Specify finish and length.



Dimensions:

Throw: 1"
Projection: 15/16"
Half Round Rod: 1/2"
Overall Width: 1-3/8"
Length: Specify 4", 6", 9" or 12"

Decorative Surface Bolts

144

- Fully concealed screw design enhances appearance and security.
- Concealed guide track assures smooth operation and is positioned under the rod to eliminate marring the surface of the bolt.
- Stainless steel tension spring prevents rod disengagement from guide and provides permanent spring tension to hold bolt in desired position.
- Decorative 3/4" diameter knob designed to facilitate bolt operation.
- Made from solid brass.
- Easy to install: wrench supplied for set screw.
- Available in 4", 6", 9" and 12" lengths.
- Packed with both Universal and Angle Strikes.
- Meets design requirements of ANSI/BHMA A156.16.
- Finishes: B3, B4, B5, B10B, B14, B15, B15A, B26, B26D.

To Order: Specify finish and length.

Dimensions:

Throw: 1"
Projection: 1"
Half Round Rod: 11/16"
Length: Specify 4", 6", 9" or 12"



253

- Heavy duty, decorative bolt ideal where extra strength required
- Decorative 1-1/4" diameter knob fits well with any décor and designed to facilitate bolt operation.
- Made from solid brass.
- Available in 8", 12", 18", 24", 30", 34", 36", 42", 48", 54", 60" and 72" lengths. Bolts 18" and over are furnished with 3 guides. For B14, B15, B15A, B26 and B26D finishes, maximum rod length is 24".
- Specify desired strike: Universal Strike (US) or Mortise Strike (MS).
- Meets design requirements of ANSI/BHMA A156.16.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.

To Order: Specify finish, length and strike.

Dimensions:

Throw: 1-1/8"
Projection: 1-5/16"
Half Round Rod: 5/8"
Overall Width: 1-5/8"
Length: Specify 8", 12", 18", 24", 30", 34", 36", 42", 48", 54", 60" or 72"



353

- Heavy duty, decorative bolt ideal where extra strength required
- Swirled colonial 1-1/4" diameter knob designed to facilitate bolt operation
- Made from solid brass
- Available in 8", 12", 18", 24", 30", 36", 48", and 72" lengths. Bolts 18" and over are furnished with 3 guides. For B14, B15, B15A, B26 and B26D finishes, maximum rod length is 24".
- Specify desired strike: Universal Strike (US) or Mortise Strike (MS)
- Meets design requirements of ANSI/BHMA A156.16
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D

To Order: Specify finish, length and strike

Dimensions:

Throw: 1-1/8"
Projection: 1-5/16"
Half Round Rod: 5/8"
Overall Width: 1-5/8"
Length: Specify 8", 12", 18", 24", 30", 36", 48", or 72"



Decorative Surface Bolts

354

- Heavy duty, decorative bolt ideal where extra strength required.
- Swirled colonial 1-1/4" diameter knob with decorative guides designed to facilitate bolt operation.
- Made from solid brass.
- Available in 8", 12", 18", 24", 30", 36", 48", and 60" lengths. Bolts 18" and over are furnished with 3 guides. For B14, B15, B15A, B26, and B26D finishes, maximum rod length is 24".
- Specify desired strike: Universal Strike (US) or Mouse Strike (MS).
- Meets design requirements of ANSI/HWFA A156.1.
- Finishes: B3, B4, B5, B14, B15, B15A, B26, B26D.

To Order: Specify finish, length and strike.

Dimensions:

Throw: 7/8"
Projection: 1-5/16"
Half Round Rod: 5/8"
Overall Width: 1-3/4"
Length: Specify 8", 12", 18", 24", 30", 36", 48", or 60"



Dutch Door Bolts

054 and 55

- Practical, rugged, attractive bolt for application on dutch doors as well as other areas.
- Chamfered rod end draws the two leaves of door tightly together.
- Sufficient tolerance provided in strike opening to allow for misalignment of door leaves and also prevents binding of bolt.
- 054 features decorative 1" diameter knob designed to facilitate bolt operation.
- 55 features swirled colonial 1-1/4" diameter knob designed to facilitate bolt operation.
- Made from solid brass.
- Packed with Standard Strike. Optional Mortise Strike (MS) for shelf door application available. Optional Universal Strike (US) also available.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.

To Order: Specify finish.



054

Dimensions:

Throw: 5/8"
Projection: 1-1/8"
Half Round Rod: 5/8"
Overall Width: 1-5/8"
Rod Length: 4-1/4"
Overall Length, including knob: 4-3/8"

55

Dimensions:

Throw: 5/8"
Projection: 1-5/16"
Half Round Rod: 5/8"
Overall Width: 1-9/16"
Rod Length: 4-1/4"
Overall Length, including knob: 4-1/2"

DISCONTINUED

56

- Dutch Door Quadrant features decorative design.
- Combines artistry, engineering and craftsmanship to provide the most attractive and rugged dutch door quadrant available.
- Quadrant will not rattle. Assembled with heavy rivet and spring washer for constant tension to hold quadrant in position.
- Non-handed.
- Made from cast brass.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.



DISCONTINUED

Dimensions:

Projection: 1-1/4"
Base: 2-3/4" x 1-1/4"
Height: 4-1/2"
Width: 4-3/8"

Security Door Bolts

87

- Security Door Bolt is the ultimate in strength, simplicity, and security.
- Solid brass bolt is permanently housed in a precision designed extrusion of solid brass.
- Milled slot in bolt housing insures bolt remains locked or unlocked in spite of vibration.
- Non-handed.
- Made from solid brass.
- Packed with universal surface, and angle strikes, and recessed head screws.
- Finishes: B3, B4, B5, B10, B10B, B15, B16, B26, B66.

To Order: Specify finish

Dimensions:

Throw: 5/8"
Projection: 15/32"
Bolt Diameter: 5/16"
Overall Width: 1-1/4"
Length: 2-1/4"

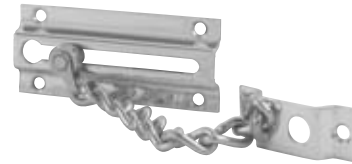


DISCONTINUED

Door Guards

481

- Chain Door Guard permits the door to be slightly opened to allow viewing.
- Narrow chain holder maintains chain in stationary position when door guard is not in use, eliminating marring of door and frame caused by dangling chain.
- Welded twist link steel chain finished to match door plate and chain holder.
- Meets design requirements of ANSI/BHMA A156.16.
- Made from wrought brass or burnished wrought steel.
- Packed with sheet metal screws.
- Finishes: B3, B4, B5, B10, B10B, B15, B26, B26D, F3, F5, F15.



Dimensions

Door Plate: 3-3/8" x 1-7/16"
Chain Holder: 3/4" x 1-15/16"
Chain Length: 4-3/4"

482

- Solid Bar Door Guard is for use on doors that are flush with frames.
- The solid bar, interlocking with the ball on the strike plate, permits the door to be slightly opened to allow viewing.
- The hinged bar allows the door guard to be positioned 180° away from the door when not in use.
- Edge guard, furnished with cast brass door guards, minimizes the chance for marring the door or frame.
- Strike plate is designed to prevent the solid bar from marring the inside of the door when in use.
- Easy installation.
- Meets ANSI/BHMA A156.16.
- Made from cast brass or cast aluminum.
- Packed with sheet metal screws.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D, A3, A5, A26, A26D.

To Order: Specify finish.



Dimensions of Cast Brass Door Guard

Strike Plate: 2-5/8" x 1-1/32"
Holder: 1-3/4" x 1-1/16"
Arm Length: 4-3/4"
Edge Guard: 1-1/8" x 1-1/32"

Dimensions of Cast Aluminum Door Guard

Strike Plate: 2-1/2" x 7/8"
Holder: 2-1/2" x 15/16"
Arm Length: 3-13/16"

Section F

Exterior Door Hardware



IVES®

Lock Guards

LG1

- Units are non-handed and incorporate security frame pin to prevent separation of the door and frame.
- Unit covers the latch bolt area of the door and lock, thereby providing added protection from burglars, vandals or normal abuse.
- Ideal for use with mortise or cylindrical locks.
- Easy installation.
- Through bolted with carriage bolts and nuts.
- Available in a variety of materials, 13 gauge stainless steel, 12 gauge steel and brass material.
- Finishes: Stainless Steel—US32D
Steel—US2G, USP, SP313 (Dark Bronze)
Brass—US4, US10



Dimensions:
11-1/2" Tall x 3" Wide

LG7

- Units are non-handed.
- Identical to LG1 without security frame pin.
- Unit covers the latch bolt area of the door and lock, thereby providing added protection from burglars, vandals or normal abuse.
- Ideal for use with mortise or cylindrical locks.
- Easy installation.
- Through bolted with carriage bolts and nuts.
- Available in 13 gauge stainless steel.
- Finish: Stainless Steel—US32D



Dimensions:
11-1/2" Tall x 3" Wide

How to Order:

LG _____ - _____

Model:

1
7

Finishes:

LG1 US2G, US4, US10, USP, US32D, SP313
LG7 US32D

Lock Guards

LG10 thru LG12

LG10

- Ideally suited for use with rose or escutcheon 2-3/4" wide or less.
- For use with Type 86 Mortise and Type 161 Cylinder Locks (ANSI 156.13 Series 1000 and ANSI 156.2 Series 4000).
- No exposed fasteners on face of unit.
- Unique design provides maximum security, virtually eliminating the opening between door and frame at the latch point.
- Available in 13 Gauge Stainless Steel or 12 Gauge Steel.
- Finishes: Stainless Steel—US32D
Steel—USP



Dimensions:

9-1/2" Tall x 2-1/2" Wide

LG11

- Designed for use on aluminum doors with latch-type locks or doors equipped with electric strikes.
- Unit is Handed - Specify left or right hand when ordering.
- No exposed fasteners on face of unit.
- Unique design provides maximum security, virtually eliminating the opening between door and frame at latch point.
- Available in 13 Gauge Stainless Steel or 12 Gauge Steel.
- Finishes: Stainless Steel—US32D
Steel—SP313 (Dark Bronze)



Dimensions:

9-1/2" Tall x 3" Wide

LG12

- Narrow design unit for use on rose or escutcheon 3-1/2" or less.
- For use with Type 86 Mortise and Type 161 Cylinder Locks (ANSI 156.13 Series 1000 and ANSI 156.2 Series 4000).
- No exposed fasteners on face of unit.
- Unique design provides maximum security, virtually eliminating the opening between door and frame at the latch point.
- Available in 13 Gauge Stainless Steel or 12 Gauge Steel
- Finishes: Stainless Steel—US32D
Steel—USP



Dimensions:

9-1/2" Tall x 1-1/2" Wide

Lock Guards

LG13 thru LG14

LG13

- Designed for use on all Type 161 Cylinder Locks (ANSI 156.2 Series 2000) Monolock and Unilock.
- No exposed fasteners on face of unit.
- Unique design provides maximum security, virtually eliminating the opening between door and frame at latch point.
- Available in 13 Gauge Stainless Steel or 12 Gauge Steel.
- Finishes: Stainless Steel—US32D
Steel—USP



Dimensions:

7" Tall x 1-1/2" Wide

LG14

- Narrow design unit for use on rose or escutcheon 3-1/2" or less.
- For use with Von Duprin 6211 electric strike.
- No exposed fasteners on face of unit.
- Unique design provides maximum security.
- Available in 13 Gauge Stainless Steel
- Finish: Stainless Steel—US32D



Dimensions:

9-1/2" Tall x 2-9/16" Wide

How to Order:

Model:

10
11
12
13
14

Handing:

LG11 only (LH or RH)

Finishes:

LG10 US32D, USP
LG11 US32D, SP313
LG12 US32D, USP
LG13 US32D, USP
LG14 US32D

LG - - -

Crash Stop

Extra Heavy Duty Crash Stop

CS115

- Specially designed for full-size exterior doors.
- Tear resistant, grey vinyl cover.
- Heavy duty compression spring assembled to both ends of chain and end brackets.
- Packed with sheet metal screws.
- Cast Brass brackets with solid, welded steel chain.
- Meets ANSI/BHMA A156.16, L12231, (Grade 1).
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D.
- Optional thru-door fastening; machine screws with brass cap nuts and brass washers plated to the required finish. Order separately 09-340. Specify finish.



Prod No.	Lgth.	Recommended Door Width	Bracket Size
115-20	20-1/2"	30"	1-9/16" X 1-9/16"
115-25	25-1/2"	36"	1-9/16" X 1-9/16"
115-30	30-1/2"	42"	1-9/16" X 1-9/16"

How to Order:

CS115- _____ - _____

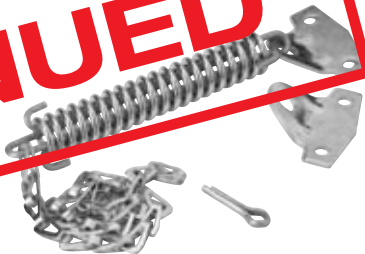
Size:
20
25
30

Finishes:
US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US10B.

Exterior Door Hardware

15 Crash Stop

- For storm and combination doors.
- Protects doors, hinges and glass from wind damage.
- Rugged compression spring absorbs shock.
- Made with heavy gauge wrought steel brackets and chain.
- Packed with sheet metal screws.
- 22-3/4" long bracket.
- 13/16" diameter spring.
- Finish: F20



DISCONTINUED

Exterior Door Hardware

Screen Door Pull

25

- Made from cast aluminum or epoxy-coated aluminum.
- Can also be used as a window lift, drawer or utility pull.
- Finishes: A3, A4, A5, A10, A14, A92, A-A (almond), A-W (white), A-BLK (black).

Dimensions:

Overall Length: 4-7/8"
Mounting Hole Center-to-Center: 4-1/8"
Projection: 1-5/32"



Storm Door Latch

980

- For wood storm doors 7/8" to 1-1/8" thick.
- Reversible: fits right or left hand, inswinging or outswinging doors.
- Security lock feature operates from inside rose.
- Solid brass safety strike assures latching and is designed to compensate for air pressure build-up between doors.
- Made from wrought brass.
- Finishes: B3, B5, B10B, B15, B15A, B26, B26D.

Dimensions:

Backset: 1-3/4"
Rose Diameter: 1-7/8"
Knob Diameter: 1-3/4"
Knob Projection: 2"
Lever Length: 1-3/4"
Lever Projection: 1-7/8"



Non-Electric Door Chime

780

- Polished wrought brass front plate, inset with satin black plastic push plate.
- Chime case in ivory plastic.
- Ideal for interior apartment doors, condominiums and hotel/motels.
- Combines low initial cost with fast, economical installation.
- Unique placement of name and apartment number cards conceals mounting screws.
- Optical glass viewer permits screening of callers and is controlled to insure one-way vision only.
- Two-tone, melow and resonant chime.
- Requires only one hole 1" in diameter, through door.
- Fits 1-1/4" through 1-3/4" doors. Contact factory for use on other thickness doors.
- Packed with template and installation instructions, screws, name and number cards.
- Furnished with 700 viewer.



Prod No.	Front Plate			Chime Case			Finishes	
	Width	Height	Proj.	Width	Height	Proj.	Front plate	Chime Case
780	2-1/2"	4-9/16"	1"	2-3/4"	6-1/16"	2"	B3, B26D	Ivory Plastic

Viewers

One-Way Viewer

U696

- 150° Angle of View.
- For doors 1-3/8" to 2-1/16" thick.
- Secure, tamper-resistant.
- Solid brass body; glass lens.
- Simple installation — only a 1/2" hole required.
- Suggested installation height: 60" from floor.
- Trim washer available, 3/4" x .032" thick.
- UL Listed for use on fire door assemblies rated at 90 minutes.
- Conforms to ANSI/BHMA L23172 and L23222.
- Finishes: B4, B26D.



One-Way Viewer

U697

- 150° Angle of View.
- For doors 2-18" to 2-5/8" thick.
- Secure, tamper-resistant.
- Solid brass body; glass lens.
- Simple installation — only a 1/2" hole required.
- Suggested installation height: 60" from floor.
- Trim washer available, 3/4" x .032" thick.
- UL Listed for use on fire door assemblies rated at 90 minutes.
- Conforms to ANSI/BHMA A156.16 L23172 and L23222.
- Finishes: B4, B26D.



One-Way Wide Angle Viewer

698

U698

- 190° Angle of View.
- Lens projects 1/4" from face of door.
- 4 optical glass lenses.
- For doors 1-3/8" to 2-1/8" thick.
- Solid brass body and barrel.
- Simple installation — only a 9/16" hole required.
- Suggested installation height: 60" from floor.
- U698 is UL Listed for use on fire door assemblies rated at 90 minutes.
- Conforms to ANSI/BHMA A156.16 L23172 and L23222.
- Finishes: B3, B26D.



Viewers

One-Way Viewer

700

U700

- 120° Angle of View.
- For doors 1-3/8" to 2-1/16" thick.
- Secure, tamper-resistant.
- Solid brass body; glass lens.
- Simple installation—only a 1/2" hole required.
- Suggested installation height: 60" from floor.
- Trim washer available, 3/4" x .032" thick.
- U700 is UL Listed for use on fire door assemblies rated at 90 minutes.
- Conforms to ANSI/BHMA A156.16 L23173 (700, U700) and L23222 (U700).
- Finishes: B4, B26D.



One-Way Viewer

701

U701

- 120° Angle of View.
- For doors 2-1/8" to 2-5/8" thick.
- Secure, tamper-resistant.
- Solid brass body; glass lens.
- Simple installation—only a 1/2" hole required.
- Suggested installation height: 60" from floor.
- Trim washer available, 3/4" x .032" thick.
- U701 is UL Listed for use on fire door assemblies rated at 90 minutes.
- Conforms to ANSI/BHMA A156.16 L23173 (701, U701) and L23222 (U701).
- 701 Finishes: B4, B10B, B15, B15A, B26, B26D.
- U701 Finishes: B4, B26D.



Door Knockers

Door Knocker with Number Plate, Optional Viewer

763 Knocker Only U763 x U700 Knocker with Viewer

- Knocker made from solid brass.
- Factory-engraved number plates available. White numerals and/or letters, maximum of 7, engraved on mahogany-grained plastic plate. When ordering, specify "E" prefix and engraving requirements.
- Conforms to ANSI/BHMA A156.16 L23151.
- Packed with sheet metal screws.
- Knocker Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.
- Viewers supplied in B4 or B26D.



Knocker Dimensions:

Length: 4"
Width: 2-3/16"
Projection: 9/16"
Mounting Hole Center-to-Center: 3-7/32"

Door Knocker with Number Plate/Card Holder, Optional Viewer

764 Knocker Only U764 x U700 Knocker with Viewer

- Knocker made from solid brass.
- Factory-engraved number plates available. White numerals and/or letters, maximum of 7, engraved on mahogany-grained plastic plate. When ordering, specify "E" prefix and engraving requirements.
- Conforms to ANSI/BHMA A156.16 L23151.
- Packed with sheet metal screws.
- Knocker Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.
- Viewers supplied in B4 or B26D.



Knocker Dimensions:

Length: 4-15/16"
Width: 2-3/16"
Projection: 9/16"
Mounting Hole Center-to-Center: 3-7/32"

Door Knocker with U696/U698/U700 Viewer

771 Knocker Only U771 x U696 Knocker with Viewer U771 x U698 Knocker with Viewer U771 x U700 Knocker with Viewer

- Knocker made from solid brass.
- Mounting screws concealed. Packed with sheet metal screws.
- Conforms to ANSI/BHMA A156.16 L23151.
- Knocker Finishes: B3, B5, B10, B26, B26D.
- U696 and U700 Viewers supplied in B4 or B26D.
U698 Viewer supplied in B3 or B26D.



Knocker Dimensions:

Length: 3-1/8"
Width: 2-1/8"
Projection: 1/2"
Mounting Hole Center-to-Center: 2-1/4"

Door Knockers

Door Knocker with Number Plate, Card Holder and Optional U698/U700/U701 Viewer

774 Knocker Only

U774 x U698 Knocker with Viewer

U774 x U700 Knocker with Viewer

U774 x U701 Knocker with Viewer

- Knocker made from solid brass.
- Factory-engraved number plates available. White numerals and/or letters, maximum of 7, engraved on mahogany-grained plastic plate. When ordering, specify "E" prefix and engraving requirements.
- Mounting screws concealed. Packed with sheet metal screws.
- Conforms to ANSI/BHMA A56.16-123-01.
- Knocker Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26D.
- U698 Viewer supplied in B3 or B26D.
U700 and U701 Viewers supplied in B4 or B26D.



Knocker Dimensions:

Length: 4-3/16"

Width: 2-3/16"

Projection: 1/2"

Mounting Hole Center-to-Center: 2-1/4"

Door Knocker with Optional Viewers

02-3100 Knocker Only

02-31001 Knocker with 700 Viewer

02-31001U Knocker with U700 Viewer

02-31002 Knocker with 701 Viewer

- Knocker made from forged brass.
- Knocker Finishes: 605, 606, 609, 612, 613, 618, 619, 620, 624, 625.
- Viewers supplied in B4 or B26D.



Knocker Dimensions:

Length: 7-1/16"

Width: 2-15/16"

Projection: 7/8"

Mounting Hole Center-to-Center: 4-15/16"

Door Knocker with Optional Viewers

02-3101 Knocker Only

02-31011U Knocker with U700 Viewer

02-31012 Knocker with 701 Viewer

02-31012U Knocker with U701 Viewer

- Knocker made from forged brass.
- Knocker Finishes: 605, 606, 609, 612, 613, 618, 619, 620, 624, 625.
- Viewers supplied in B4 or B26D.



Knocker Dimensions:

Length: 6-11/16"

Width: 1-7/8"

Projection: 13/16"

Mounting Hole Center-to-Center: 5-7/8"

Door Knockers

Door Knocker with Optional Viewers

02-3102 Knocker Only
02-31021 Knocker with 700 Viewer
02-31021U Knocker with U700 Viewer
02-31022 Knocker with 701 Viewer
02-31022U Knocker with U701 Viewer

- Knocker made from forged brass.
- Knocker Finishes: 605, 606, 609, 612, 613, 618, 619, 620, 625, 626.
- Viewers supplied in B4 or B26D.

DISCONTINUED



Knocker Dimensions:

Length: 6-7/16"
Width: 2-15/16"
Projection: 15/16"
Mounting Hole Center-to-Center: 4-1/8"

Door Knocker with Optional Viewer, Magnetic Mounting

02-3107 Knocker Only
02-31072 Knocker with 701 Viewer
02-3107MAG Magnetic Knocker

- Knocker made from forged brass.
- 02-3107 MAG features magnetic mounting on metal doors.
- Knocker Finishes, excluding magnetic: 605, 606, 609, 612, 613, 618, 619, 620, 625, 626.
- 02-3107MAG Finishes: 505, 605.
- Viewers supplied in B4 or B26D.



Knocker Dimensions:

Length: 8-1/2"
Width: 4-1/8"
Projection: 1"
Mounting Hole Center-to-Center: 5"

Door Knocker

02-3115

- Knocker made from forged brass.
- Knocker Finishes: 605, 606, 609, 612, 613, 618, 619, 620, 625, 626.

DISCONTINUED



Dimensions:

Length: 7-3/4"
Width: 2"
Projection: 2-7/8"
Mounting Hole Center-to-Center: 5"

Door Knockers

Door Knocker with Optional Viewers

02-3122 Knocker Only
02-31221 Knocker with 700 Viewer
02-31221U Knocker with U700 Viewer
02-31222 Knocker with 701 Viewer
02-31222U Knocker with U701 Viewer

- Knocker made from wrought brass.
- Knocker Finishes: 605, 606, 609, 612, 613, 618, 619, 620, 625, 626.
- Viewers supplied in B4 or B26D.



Dimensions:

Length: 4"
Width: 2-3/16"
Projection: 9/16"
Mounting Hole Center-to-Center: 3-7/32"

Door Knocker with Optional Viewers

02-3125 Knocker Only
02-31251 Knocker with 700 Viewer
02-31251U Knocker with U700 Viewer
02-31252 Knocker with 701 Viewer
02-31252U Knocker with U701 Viewer

- Knocker made from forged brass.
- Knocker Finishes: 605, 606, 609, 612, 613, 618, 619, 620, 625, 626.
- 02-3125 and 02-31252 also available in 505.
- Viewers supplied in B4 or B26D.



Dimensions:

Length: 5-15/16"
Width: 3"
Projection: 1-1/16"
Mounting Hole Center-to-Center: 3-15/16"

House Numbers

Century House Numbers

02-30_0

- 4" High.
- Made from cast brass.
- Brass screws included.
- Finish: 605.

Model	House Number
02-3000	#0
02-3010	#1
02-3020	#2
02-3030	#3
02-3040	#4
02-3050	#5
02-3060	#6
02-3070	#7
02-3080	#8
02-3090	#9

Century House Numbers

02-30_1

- 6" High.
- Made from forged brass.
- Brass screws included.
- Finish: 605.

Model	House Number
02-3001	#0
02-3011	#1
02-3021	#2
02-3031	#3
02-3041	#4
02-3051	#5
02-3061	#6
02-3071	#7
02-3081	#8
02-3091	#9

Heritage House Number

02-30_3

- 2-3/4" High.
- Colonial styling.
- Made from cast brass.
- Fits limited space; often used for apartments and hotel rooms.
- Conforms to ANSI/BHMA A156.16 L13181.
- Brass brads included.
- Finish: 605.

Model	House Number
02-3003	#0
02-3013	#1
02-3023	#2
02-3033	#3
02-3043	#4
02-3053	#5
02-3063	#6
02-3073	#7
02-3083	#8
02-3093	#9

House Numbers

Traditional House Numbers

02-30_4

- 4" High.
- Popular traditional styling for easy readability.
- Made from solid wrought brass.
- Conforms to ANSI/BHMA A156.16 L13181.
- Brass brads included.
- Finishes: 605, 609, 619, 620, 626.

Model	House Number
02-3004	#0
02-3014	#1
02-3024	#2
02-3034	#3
02-3044	#4
02-3054	#5
02-3064	#6
02-3074	#7
02-3084	#8
02-3094	#9

Contemporary House Numbers

02-30_5

- 5" High.
- Bold, thick design is easy to see from a distance.
- Made from cast brass.
- Mounting screws included.
- Finishes: 505, 605, 613, 619, 620, 625.

Model	House Number
02-3005	#0
02-3015	#1
02-3025	#2
02-3035	#3
02-3045	#4
02-3055	#5
02-3065	#6
02-3075	#7
02-3085	#8
02-3095	#9

Hammered Aluminum Traditional House Numbers

466

- 4-1/2" High.
- Conforms to ANSI/BHMA A156.16 L43191.
- Brads included.
- Black, electroplated on aluminum.
- Finish: A19.

Model	House Number
466 NO.0	#0
466 NO.1	#1
466 NO.2	#2
466 NO.3	#3
466 NO.4	#4
466 NO.5	#5
466 NO.6	#6
466 NO.7	#7
466 NO.8	#8
466 NO.9	#9

Letter Box Plates - Weather-Tite®

Weather-Tite® Letter Box Plates

- Weather-Tite construction featuring interlocking flap and frame gives added protection from weather.
- 620 Series Models feature spring loaded front plate features bronze spring to insure tightly closed position. Can be installed in vertical position. 618 and 619 models are gravity operated only.
- Rugged construction. Made of heavy gauge wrought brass, bronze or aluminum.
- Template for door cut-out packed with all letter box plates.
- Sex bolts optional.

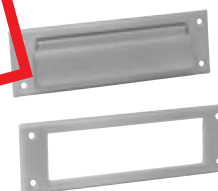
Letter Box Plate with Standard (Open) Back Plate

618

- Gravity operated front plate.
- Finish: A63.

DISCONTINUED

Dimensions:
Overall Size: 10" x 3"
Plate Opening: 7-1/2" x 2"



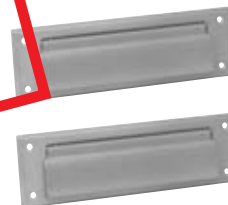
Letter Box Plate with Covered Back Plate

619

- Gravity operated front plate.
- Finish: A63.

DISCONTINUED

Dimensions:
Overall Size: 10" x 3"
Plate Opening: 7-1/2" x 2"



Magazine Size Letter Box Plate with Standard (Open) Back Plate

620

- Spring-loaded front plate.
- Finishes: B-505, B3, B4, B5, B10, B10B(B613), B14, B15, B15A(B-620), B26(B-625), B26D, PA28.

Dimensions:
Overall Size: 13" x 3-9/16"
Plate Opening: 11" x 2"



Magazine Size Letter Box Plate with Covered Back Plate

621

- Spring-loaded front plate.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D, PA28.

DISCONTINUED

Dimensions:
Overall Size: 13" x 3-9/16"
Plate Opening: 11" x 2"



Letter Box Plates - Weather-Tite®

Weather-Tite® Letter Box Plates

- Weather-Tite construction featuring interlocking flap and frame gives added protection from weather.
- 620 Series Models feature spring loaded front plate features bronze spring to insure tightly closed position. Can be installed in vertical position. 618 and 619 models are gravity operated only.
- Rugged construction. Made of heavy gauge wrought brass, bronze or aluminum.
- Template for door cut-out packed with all letter box plates.
- Sex bolts optional.

Magazine Size Letter Box Plate with Hood and Covered Back Plate

622

- Spring-loaded front plate.
- Finish: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.

Dimensions:
Overall Size: 13" x 3-9/16"
Plate Opening: 11" x 2"
Hood Projection: 1-5/8"



Letter Box Plate with Standard (Open) Back Plate

623

- Spring-loaded front plate.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D, PA28.

Dimensions:
Overall Size: 10" x 3"
Plate Opening: 7-1/2" x 2"



Letter Box Plate with Covered Back Plate

624

- Spring-loaded front plate.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D, PA28.

Dimensions:
Overall Size: 10" x 3"
Plate Opening: 7-1/2" x 2"



Letter Box Plate with Hood and Covered Back Plate

625

- Spring-loaded front plate.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26D, PA28.

Dimensions:
Overall Size: 10" x 3"
Plate Opening: 7-1/2" x 2"
Hood Projection: 1-5/8"



Letter Box Plates - Weather-Tite®

Weather-Tite® Letter Box Plates

- Weather-Tite construction featuring interlocking flap and frame gives added protection from weather.
- 620 Series Models feature spring loaded front plate features bronze spring to insure tightly closed position. Can be installed in vertical position. 618 and 619 models are gravity operated only.
- Rugged construction. Made of heavy gauge wrought brass, bronze or aluminum.
- Template for door cut-out packed with all letter box plates
- Sex bolts optional.

Letter Box Plate with Standard (Open) Back Plate

626

- Spring-loaded front plate.
- Finishes: B-505, B3, B4, B5, B10, B10B(B-613), B11, B-15(B-619), B15A(B-623), B26(B-625), Z60, PA20.

Dimensions:

Overall Size: 8-3/4" x 2-7/8"
Plate Opening: 7" x 1-7/8"



Letter Box Plate with Covered Back Plate

627

- Spring-loaded front plate.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26A.

Dimensions:

Overall Size: 8-3/4" x 2-7/8"
Plate Opening: 7" x 1-7/8"



Sleeves for use with Letter Box Plates

~~600 Sleeve for use with 626 and 627 Letter Box Plates~~

~~601 Sleeve for use with 620, 621 and 622 Letter Box Plates~~

~~602 Sleeve for use with 618, 619, 623 and 624 Letter Box Plates~~

- Made of stainless steel.
- For 1-3/4" hollow core doors.



Letter Box Plates - Magnettract™

Magnettract™ Magazine Size Letter Box Plates

650 Magnetic Front Plate, Open Back Plate

651 Magnetic Front Plate, Covered Back Plate

652 Hooded Magnetic Front Plate, Covered Back Plate

- Magnetic inlays on plate and flap augment gravity to hold flap closed to assure weather-tight fit and rattle-free installation.
- Rugged construction. Massive extrusions for strength and resistance to weather, coupled with exclusive interlocked hinge design that redirects forces and holds flap securely in place.
- Ideal for exterior doors. Projection of lip assures easy grab, even with gloves or mittens.
- Concealed pin permanently locks flap in place. Tamper-resistance when used in conjunction with sex bolts.
- Template for door cut-out packed with all letter box plates.
- 650 and 651 packed with sheet metal screws; sex bolts optional. 652 packed with sex bolts only.
- U.S. Patent 3,389,854.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.



Dimensions:

Overall Size: 12-1/2" x 3-1/4"

Plate Opening: 11" x 1-7/8"

Sleeves for use with Letter Box Plates

603 Sleeve for use with 650, 651, and 652

- Made of stainless steel.
- For 1-3/4" hollow core doors.
- Flanges on sleeve prevent buckling and eliminate sharp edges.
- Shims provided with all sleeves assure even mounting and tight weather seal.
- Sex bolts for thru door application and gaskets for glass doors available at extra charge.



Door Closer

927 Pneumatic Door Closer

- For light interior doors or exterior storm doors.
- For use on wood or metal doors.
- Three-position spring hub for adjustable latching power.
- Adjustable closing speed.
- Factory lubricated.



Section G

Latches and Catches



IVES®

Roller Latches

RL30

- Actuation is simple, closing of the door causes the roller to fall in the depression of the strike, thereby holding the door closed.
- The projection of the roller is easily adjusted using adjusting screws on the face of the unit.
- Maximum projection of the roller is 3/8" allowing for variance in the door clearance.
- Nylon Roller Standard.
- Forged Brass Construction.
- Meets ANSI/BHMA A156.16, E19091.
- Finishes: US3, US4, US10, US10B, US26, US26D.
- Optional Roller—F— Nylon covered brass roller.
- Optional Strike—A—ASA

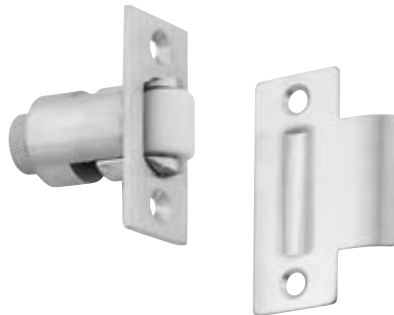


Dimensions:

Body: 1" Wide x 3-3/8" Long x 1-11/16" Deep
Strike: 1-11/16" Wide x 2-1/4" Long x 5/32" Thick
Optional ASA Strike: STK726 (not shown): 1-1/4" wide x 4-7/8" long x 3/32" thick

RL32

- Actuation is simple, closing of the door causes the roller to fall in the depression of the strike, thereby holding the door closed.
- The projection of the roller is easily adjusted by turning knurled knob on back of latch.
- Maximum projection of the roller is 1/2" allowing for variance in the door clearance.
- Fits heavy-duty cylindrical lock cutout.
- Nylon Roller Standard.
- Non-handed.
- Brass or Stainless Steel Construction.
- Meets ANSI/BHMA A156.16, E19101.
- Finishes: US3, US4, US10, US10B, US32, US32D.
- Optional Roller—F— Nylon covered brass roller.
- Optional Strike—A—ASA.



Dimensions:

Body: 1-1/8" Wide x 2-1/4" Long x 2-1/4" Deep
Strike: 1-1/8" Wide x 2-3/4" Long x 3/32" Thick
Optional ASA Strike: STK726 (not shown): 1-1/4" wide x 4-7/8" long x 3/32" thick

How to Order:

Model:

30
32

Roller Type:

Blank Standard Nylon Roller
F Nylon Coated Brass Roller

Strike Type:

Blank Standard Strike
A ASA Strike

Finishes:

RL30 US3, US4, US10, US10B, US26, US26D
RL32 US3, US4, US10, US10B, US32, US32D

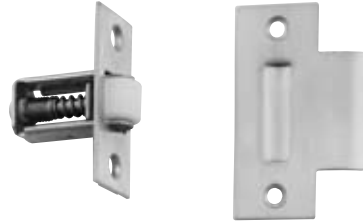
RL _____ - _____

Model:	30 32
Roller Type:	Blank F
Strike Type:	Blank A
Finishes:	RL30 RL32

Roller Latches

RL36

- Actuation is simple, closing of the door causes the roller to fall in the depression of the strike, thereby holding the door closed.
- The projection of the roller is easily adjusted by turning slotted screw on back of latch.
- Maximum projection of the roller is 5/16" allowing for variance in the door clearance.
- Fits cylindrical lock cutout.
- Nylon Roller.
- Non-handed.
- Stainless Steel Construction.
- Meets ANSI/BHMA A156.16, L17082.
- Finish: US32D
- Optional Strike—A—ASA.



Dimensions:

Body: 1" Wide x 2-1/4" Long x 2" Deep

Strike: 1-1/8" Wide x 2-3/4" Long x 3/32" Thick

Optional ASA Strike: STK726 (not shown): 1-1/4" wide x 4-7/8" long x 3/32" thick

RL38

- Actuation is simple, closing of the door causes the roller to fall in the depression of the strike, thereby holding the door closed.
- The projection of the roller is easily adjusted by turning slotted screw.
- Maximum projection of the roller is 3/8" allowing for variance in the door clearance.
- Nylon Roller.
- Non-handed.
- Stainless Steel Construction.
- Meets ANSI/BHMA A156.16, L27092.
- Finish: US32D



Dimensions:

Body: 2" Tall x 1-3/8" Wide x 7/8" Deep

Strike: 2-1/8" Tall x 1" Wide x 3/8" Deep

RL1152

- Combination of RL30 Roller Latch and Angle Stop.
- Actuation is simple, closing of the door causes the roller to fall in the depression of the strike, thereby holding the door closed.
- The projection of the roller is easily adjustable using adjusting screws on the face of the unit.
- Maximum projection of the roller is 3/8" allowing for variance in the door clearance.
- Nylon Roller Standard.
- Forged Brass Construction.
- Finishes: US3, US4, US10, US10B, US26 and US26D.



Dimensions:

Body: 4-1/2" Tall x 1-1/2" Wide x 1-3/4" Deep with 3/4" Angle

Strike: 2-1/4" Tall x 1-1/8" Wide x 5/32" Thick

How to Order:

Model:

36, 38 or 1152

Strike Type: (RL36 only)

Blank Standard Strike
A ASA Strike

Finishes:

RL36, RL38 US32D

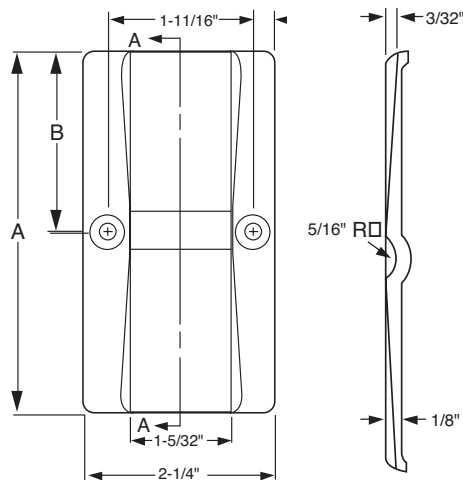
RL1152 US3, US4, US10, US10B, US26, US26D

RL -

Optional Strike

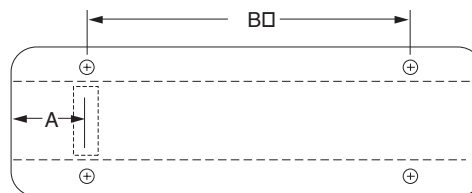
STK685

- Custom make strike for doors that swing both directions. For use with roller latches.
- Constructed of 3/32" brass.
- Dimple of strike centered on strike.
- Specify frame depth - A.
- Finishes: US3, US4, US10, US10B, US26, US26D.



STK685L

- Custom make strike for doors that swing both directions. For use with roller latches.
- Constructed of 3/32" brass.
- Dimple of strike is variable. Please specify location of dimple from edge of frame - B.
- Specify frame depth - A.
- Finishes: US3, US4, US10, US10B, US26, US26D.



How to Order:

STK - - -

Model:

685
685L

Finishes:

US3, US4, US10, US10B, US26, US26D

Frame Depth:

A

Dimple Location:

B (685L only)

Angle Stops

AS895

- Surface applied stop for single doors.
- Large rubber bumper to ensure quiet operation.
- Constructed of 1/8" Brass Angle.
- Finishes: US3, US4, US10, US10B, US26, US26D.

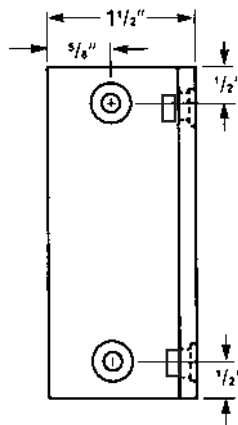


Dimensions:

1-1/2" Wide x 1" Angle x 2-1/2" Long

AS18

- Surface applied stop for single and double doors.
- Includes SR64 door silencers to ensure quiet operation. SR64 silencers are replaceable.
- Constructed of 3/16" Brass Angle.
- Finishes: US3, US4, US10, US10B, US26, US26D.



Dimensions:

1-1/2" Wide x 3/4" Angle x 2-1/2" Long

How to Order:

AS -

Model:

18
895

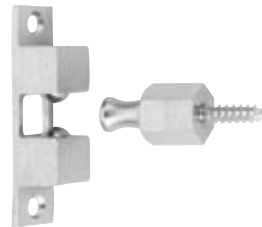
Finishes:

US3, US4, US10, US10B, US26, US26D

Ball Catches

CL21

- Four-way catch with hexagon stud.
- Ideal for holding medium duty doors.
- The strike slides between two stainless steel balls that are under spring tension. As the strike engages, the door is held tightly shut.
- Strike can enter body from any direction.
- Spring tension is easily adjusted to suit field conditions.
- Body can be surface applied or mortised.
- Brass construction.
- Meets ANSI/BHMA A156.9.
- Finish: US26D.



Dimensions:

Body: 3" Tall x 3/4" Wide x 3/4" Deep
Strike: 1-1/2" Tall x 3/4" Wide Hex

CL21A

- Four-way catch with plate type strike.
- Ideal for closet doors, access doors, hinged openings and numerous other applications.
- The strike slides between two stainless steel balls that are under spring tension. As the strike engages, the door is held tightly shut.
- Strike can enter body from any direction.
- Spring tension is easily adjusted to suit field conditions.
- Body can be surface applied or mortised.
- Brass construction.
- Meets ANSI/BHMA A156.9, B13292.
- Finishes: US3, US4, US10, US26, US26D.



Dimensions:

Body: 3" Tall x 3/4" Wide x 3/4" Deep
Strike: 1-3/4" Tall x 7/16" Wide x 7/8" Deep

CL22

- Three-way catch with plate type strike.
- Ideal for smaller cabinet doors or panels.
- The strike slides between two stainless steel balls that are under spring tension. As the strike engages, the door is held tightly shut.
- Strike can enter body from either side or front.
- Spring tension is easily adjusted to suit field conditions.
- Body can be surface applied or mortised.
- Brass construction.
- Meets ANSI/BHMA 156.9, B13302.
- Finishes US3, US4, US10, US26, US26D.



Dimensions:

Body: 2-3/16" Tall x 1/2" Wide x 1/2" Deep
Strike: 1-3/8" Tall x 3/8" Wide x 5/8" Deep

How to Order:

CL _____ - _____

Model:

21
21A
22

Finishes:

CL21 US26D
CL21A, CL22 US3, US4, US10, US26, US26D

Invisible Latches

CL11

- Invisible latch is ideal for installations where no visible latch is desired.
- Unit can be installed at the top, bottom or side of the door.
- Can be mortised into the stop or surface mounted to the stop.
- Recommended for use on small panels, cabinet doors or light weight closet doors.
- Operation is simple, latching is accomplished by a slight push. To unlatch the door, a harder push releases the door and pushes the door out.
- Brass and plastic construction.
- Meets ANSI/BHMA 156.9, B03272.
- Finishes: US3, US4, US10, US26D.



Dimensions:

Body: 1-7/8" Tall x 1-1/4" Wide x 7/16" Thick
Strike: 1-5/16" Tall x 9/16" Wide x 9/16" High

CL12

- Invisible latch is ideal for installations where no visible latch is desired.
- Unit can be installed at the top, bottom or side of the door.
- Can be mortised into the stop or surface mounted to the stop.
- Recommended for use on larger panels or regular size doors.
- Operation is simple, latching is accomplished by a slight push. To unlatch the door, a harder push releases the door and pushes the door out.
- Brass and plastic construction.
- Meets ANSI/BHMA A156.9, B03272.
- Finishes: US3, US4, US10, US26D.

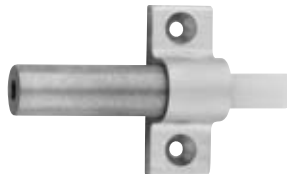


Dimensions:

Body: 2-1/4" Tall x 1-1/4" Wide x 9/16" Thick
Strike: 1-13/16" Tall x 5/8" Wide x 9/16" High

CL14 Auxiliary Pusher

- Aid in the operation of the CL11 and CL12 where hinges or surrounding conditions prevent smooth operation of doors.
- Provides 1-1/16" throw.
- Nylon pusher.
- Brass construction.
- Meets ANSI/BHMA A156.9, B13282.
- Finishes: US3, US4, US10, US26D.



Dimensions:

Body: 2-15/16" Long x 1-11/16" Wide x 5/8" High

How to Order:

Model:

11
12
14

Finishes:

US3, US4, US10, US26D

CL -

Magnetic Catches

323

- Triple pole.
- Self-aligning magnet insures maximum pull.
- Case design allows easy magnet adjustment on cabinet or small door applications.
- Aluminum case.
- Packed with sheet metal screws.
- Conforms to ANSI/BHMA A156.9.
- Finishes: A3, A5, A92.



Dimensions:

Case: 2-1/16" Long x 1-5/32" Deep x 7/8" Thick
Load Capacity: 6 lbs.

324

- Double pole.
- High impact plastic case is tan colored to blend with wood.
- Easy to adjust.
- Packed with sheet metal screws.
- Conforms to ANSI/BHMA A156.9 B03141
- Finish: P69.



Dimensions:

Case: 1-3/4" Long x 9/16" Deep x 1/2" Thick
Load Capacity: 5 lbs.

325

- Double pole.
- Self aligning magnet insures maximum pull.
- Case design allows easy magnet adjustment on cabinet or small door applications.
- Aluminum case.
- Packed with sheet metal screws.
- Conforms to ANSI/BHMA A156.9.
- Finishes: A3, A5, A92.



Dimensions:

Case: 2-1/16" Long x 1-1/8" Deep x 5/8" Thick
Load Capacity: 5 lbs.

Magnetic Catches

326 Mighty-Mite® Heavy Duty Magnetic Catch

- Dual double pole.
- Self-aligning magnets insure maximum pull.
- Can be surface mounted or mortised.
- Aluminum case.
- Packed with sheet metal screws, 2 short strikes and 1 long strike.
- Conforms to ANSI/BHMA A156.9 B43161.
- Finishes: A3, A5, A92.



Dimensions:

Case: 3-1/8" Long x 1" Deep x 9/16" Thick
Load Capacity: 9 lbs.

327 Super-Mite® Heavy Duty Magnetic Catch

- Dual triple pole.
- Self-aligning magnets insure maximum pull.
- Can be surface mounted or mortised.
- Aluminum case.
- Packed with sheet metal screws, 2 short strikes and 1 long strike.
- Conforms to ANSI/BHMA A156.9 B43161.
- Finishes: A3, A5, A92.



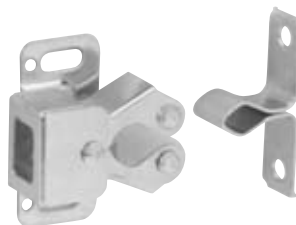
Dimensions:

Case: 3-1/8" Long x 1" Deep x 3/4" Thick
Load Capacity: 14 lbs.

Roller Catches

330 Double Roller Catch

- Independent rollers allow positive action and self-alignment.
- Cushioned rollers absorb shock and noise, hold door away from cabinet.
- Surface application allows for easy adjustment.
- Made from wrought steel.
- Packed with screws and brads.
- Conforms to ANSI/BHMA A156.9 B83071.
- Finishes: F2C, F69.



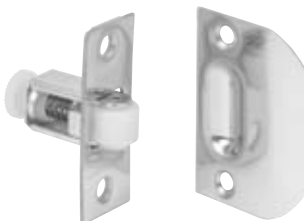
Dimensions:

Case: 1-1/4" x 11/16"

Strike: 1-1/4" x 3/8"

335

- Smooth, positive latching action insured by powerful conical spring.
- Durable nylon roller insures quiet operation.
- Adjustable tension. Adjustments can be varied from 4 to 17 lbs. of holding power making possible a wide range of door performance.
- Easily installed on thin doors.
- Full lip style strike designed for simplified mortising.
- Made from wrought brass or wrought steel.
- Packed with sheet metal screws.
- Conforms to ANSI/BHMA A156.16 L27081 for brass and L87081 for steel.
- Finishes: B3, B4, B5, B10, B10B, B15, B15A, B19, B26, B26D, F3, F5, F14.



Dimensions:

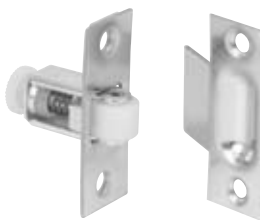
Face Plate: 2-1/4" x 7/8"

Bore: 13/16" x 1-3/4"

Strike: 2-1/4" x 1-5/8" Lip 1-13/16" to center

336

- Smooth, positive latching action insured by powerful conical spring.
- Durable nylon roller insures quiet operation.
- Adjustable tension. Adjustments can be varied from 4 to 17 lbs. of holding power making possible a wide range of door performance.
- Easily installed on thin doors.
- Standard box type strike designed for neat appearance.
- Made from wrought brass or wrought steel.
- Packed with sheet metal screws.
- Conforms to ANSI/BHMA A156.16 L27081 for brass and L87801 for steel.
- Finishes: B3, B4, B5, B10, B10B, B15, B15A, B19, B26, B26D, F3, F10, F14.



Dimensions:

Face Plate: 2-1/4" x 7/8"

Bore: 13/16" x 1-3/4"

Strike: 2-1/4" x 7/8" Lip 1-1/8" to center

Roller Catches

338

- Rubber roller provides quiet operation.
- Surface applied; requires no mortising or boring.
- Case design allows easy adjustment.
- Made from wrought steel.
- Packed with screws and brads.
- Conforms to ANSI/BHMA A156.9 B83112
- Finishes: F3, F10, F14.

DISCONTINUED



Dimensions:

Case: 2" x 1-1/16"

Strike: 1-3/4" x 3/4"

Ball Catches

345 Adjustable Ball Catch

- Ideal for cabinets and small interior doors.
- Free rolling ball insures smooth, positive and trouble-free action.
- Adjustable threaded barrel compensates for various door clearances.
- Adjustable spring tension.
- Made from wrought brass.
- Conforms to ANSI/BHMA A156.9 B23013.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:

Face Plate: 1-1/2" x 3/4"

Bore: 9/16" x 1"

Strike: 1-1/2" x 25/32". Lip 13/32" to center

346 Dual Adjustable Ball Catch

- For catch in jamb installations.
- Dual adjustment for door clearance and holding strength.
- Narrow strike is designed for use where strike is mounted in door.
- Free rolling ball insures smooth, positive and trouble-free action.
- Adjustable threaded barrel compensates for various door clearances.
- Adjustable spring tension.
- Made from wrought brass.
- Conforms to ANSI/BHMA A156.9 B23013.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:

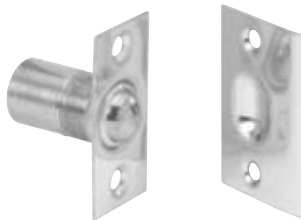
Face Plate: 2-1/8" x 1"

Bore: 7/8" x 1-3/8"

Strike: 2-1/8" x 1-1/16". Lip 9/16" to center

347 Dual Adjustable Ball Catch

- For catch in door installations.
- Dual adjustment for door clearance and holding strength.
- Lip strike is designed for use where strike is mounted in jamb.
- Free rolling ball insures smooth, positive and trouble-free action.
- Adjustable threaded barrel compensates for various door clearances.
- Adjustable spring tension.
- Made from wrought brass.
- Conforms to ANSI/BHMA A156.9 B23013.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:

Face Plate: 2-1/8" x 1"

Bore: 7/8" x 1-3/8"

Strike: 2-1/8" x 1-3/8". Lip 7/8" to center

Ball Catches

348 Ball Catch

- For catch in jamb installations.
- Radiused corners allow easy installations with a router.
- Dual adjustment for door clearance and holding strength.
- Narrow strike is designed for use where strike is mounted in door.
- Free rolling ball insures smooth, positive and trouble-free action.
- Adjustable threaded barrel compensates for various door clearances.
- Adjustable spring tension.
- Made from wrought brass.
- Conforms to ANSI/BHMA A156.9 B23013.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.

DISCONTINUED

Dimensions:

Face Plate: 2-1/8" x 1"

Bore: 7/8" x 1-3/8"

Strike: 2-1/8" x 1-1/16". Lip 9/16" to center



349 Ball Catch

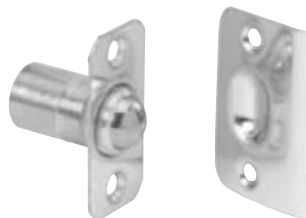
- For catch in door installations.
- Radiused corners allow easy installation with a router.
- Dual adjustment for door clearance and holding strength.
- Lip strike is designed for use where strike is mounted in jamb.
- Free rolling ball insures smooth, positive and trouble-free action.
- Adjustable threaded barrel compensates for various door clearances.
- Adjustable spring tension.
- Made from wrought brass.
- Conforms to ANSI/BHMA A156.9 B23013.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.

Dimensions:

Face Plate: 2-1/8" x 1"

Bore: 7/8" x 1-3/8"

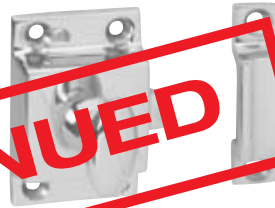
Strike: 2-1/8" x 1-3/8". Lip 7/8" to center



Cupboard Latch and Push Latches

540 Cupboard Latch

- For cabinets or small doors.
- Surface applied, making installation simple.
- Made from cast brass.
- Conforms to ANSI/BHMA A156.9 B13243.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B18, B26, B26D



Dimensions:

Case: 1-3/4" x 1-3/16"

Strike: 1-3/4" x 7/16"

820 Push Latch

- For use on cabinet doors.
- Push action opens and closes door.
- Ideal where concealed hardware is desired.
- Eliminates need for pulls or knobs; enhances styling and clean appearance of fine furniture and cabinets.
- Simple installation; surface mounted; no mortising required.
- Narrow case design for low profile.
- Made from wrought steel.
- Conforms to ANSI/BHMA A156.9 B83333.
- Finishes: F2C, F3.



Dimensions:

2-11/32" x 1-1/2" x 11/32"

821 Touch Latch

- For use cabinet and small doors.
- Push action opens and closes door.
- Eliminates need for pulls or knobs.
- Made from wrought steel.
- Conforms to ANSI/BHMA A156.9 B83333
- Finish: F2C.



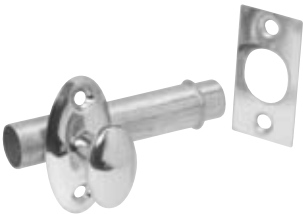
Dimensions:

3" x 1-1/2" x 3/4"

Mortise Door Bolts

S48 Mortise Door Bolt

- Brass oval turn knob and escutcheon.
- Steel bolt for extra strength. Rack is milled for precision fit with pinion.
- Conforms to design requirements of ANSI A156.16.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.



Dimensions:

Backset: 1-3/4"
Bolt Throw: 1/2"
Bolt Diameter: 1/2"
Case: 2-1/2" L x 9/16" diameter
Strike: 1-3/4" x 7/8"

150/152/154 Mortise Door Bolts

151/153/155 Mortise Door Bolts

- Only 1/4" turn of thumbturn or knob to lock or unlock door.
- 150, 152, 154 have solid brass thumbturn and escutcheon.
- 151, 153, 155 have solid brass oval turn knob and escutcheon.
- Precision molded, slim aluminum case treated for maximum rust resistance.
- Heat-treated, copper impregnated allow steel hub for superior strength and permanently lubricated cam action.
- Retains unequaled, smooth positive operation.
- Simplified installation—one-step mortise.
- Optional emergency release trim available.
- Conforms to design requirements of ANSI A156.16.
- 150, 152, 154 are packed with thumbturn, escutcheon, bolt, strike and screws.
- 151, 153, 155 are packed with oval turn knob, escutcheon, bolt, strike and screws.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.

Dimensions:

Backset: 1-3/4" on all models; 2-3/4" x 13/16"
Bolt Throw: 1/2"
Strike: 2-1/2" x 13/16"

Model	Backset	Case Dimensions	Operation
150	1-3/4"	1-5/8" x 2-1/4" x 9/16"	Thumbturn
151	1-3/4"	1-5/8" x 2-1/4" x 9/16"	Oval turn knob
152	2-1/2"	1-5/8" x 3" x 9/16"	Thumbturn
153	2-1/2"	1-5/8" x 3" x 9/16"	Oval turn knob
154	2-3/4"	1-5/8" x 3-1/4" x 9/16"	Thumbturn
155	2-3/4"	1-5/8" x 3-1/4" x 9/16"	Oval turn knob

Trim Components

For use with Mortise Door Bolts 150, 151, 152, 153, 154, 155

- 5 Emergency Key.
- 145 Thumbturn for use with 150, 152, 154.
- 146 Escutcheon for use with 150, 152, 154.
- 145 x 146 Thumbturn and Escutcheon for use with 150, 152, 154.
- 147 Oval turn knob for use with 151, 153, 155.
- 148 Escutcheon for use with 151, 153, 155.
- 147 x 148 Oval Turn Knob and Escutcheon for use with 151, 153, 155.

Thumbturns, oval turn knobs, and escutcheons available in same finishes as mortise door bolts

Section H

Hooks and Brackets



IVES®

Hand Rail Brackets

HB158 Hand Rail Bracket

- For use on commercial applications.
- Exceeds OSHA and BHMA strength test requirements.
- Cast aluminum construction.
- Packed with toggle bolt and screws.
- Meets ANSI/BHMA A156.16, L33101.
- Finishes: US3AL, US4AL, US5AL, US10AL, US14AL, US27(A92), US28.



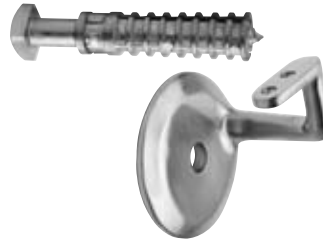
Dimensions:

3-1/8" Base Diameter
3-1/8" Base to Rail Center

HB159A

HB159B Hand Rail Bracket

- For use on commercial applications.
- Exceeds OSHA and BHMA strength test requirements.
- HB159B meets Uniform Federal Accessibility Standards, paragraph 4.26.
- HB159B brass hand rail bracket conforms to ADA guidelines when used in combination with 1-1/4" to 1-1/2" diameter or equivalent shaped gripping surface.
- Packed with square head iron lag screw, expansion shield and screws.
- Cast Brass construction for the HB159B.
- Cast Aluminum construction for the HB159A.
- HB159A meets ANSI/BHMA A156.16, L33081.
- HB159B meets ANSI/BHMA A156.16, L13081.
- Finishes: HB159B - US3, US4, US5, US10, US10B, US14, US15, US15A, US26.
HB159A - US3AL, US4AL, US5AL, US10AL, US14AL, US27(A92), US28.



Dimensions:

HB159A - 3-1/8" Base Diameter, 3-1/8" Base to Rail Center
HB159B - 3" Base Diameter, 2-1/4" Base to Rail Center

Hand Rail Brackets

HB162 Adjustable Hand Rail Bracket

- For horizontal rail installations in institutional and commercial buildings.
- Rust resistant.
- Exceeds OSHA and BHMA strength test requirements.
- Adjustable brackets compensate for irregularities in wall, adjustable from 1-1/2" to 2" wall clearance.
- Stainless steel 1/4"-20 button head socket screw and stainless steel self-locking hex nut provide strong, rigid assembly.
- Extruded aluminum construction.
- Finish: US28.
- Specify desired wall fasteners:
"W" for wood screws or "T" for toggle bolts



Dimensions:
2-3/4" Tall x 1-3/4" Wide

How to Order:

HB162 - -

Finish:
US28

Fastener:
Blank Screw with expansion shield
W Wood screws only
T Screw with toggle bolts

059 & 59 Hand Rail Bracket

- 059 made from solid brass, cast aluminum or epoxy-coated aluminum.
- 59 made from cast brass or cast aluminum.
- Large faceplate for secure attachment to wall.
- Features solid construction for increased strength.
- 59 conforms to ANSI/BHMA A156.16 L13061 for brass and L33061 for aluminum.
- Brass Finishes: B3 (B-605), B4, B5, B10, B10B (B-613), B14, B15 (B-619), B15A (B-620), B19, B26 (B-625), B26D.
- Aluminum Finishes: A3, A4, A5, A10, A10B, A14, A92.
- Epoxy-Coated Aluminum Finishes: White A-W, Black A-BLK, Almond A-A.

Dimensions:

059 Base: 2-1/4" H x 1-3/8" W
059 Base to Center of Rail: 2-7/16"
59 Aluminum Base: 2-13/16" H x 1-1/2" W
59 Brass Base: 2-15/16" H x 1-1/2" W
59 Base to Center of Rail: 2-3/4"

Hooks and Brackets

405 Coat & Hat Hook

- Wide body design is ideal for public buildings, schools, dormitories, etc., where hook must withstand unusual stress and strain.
- Made from cast aluminum.
- Conforms to ANSI/BHMA A156.16 L33113.
- Finishes: A3, A4, A5, A10, A14, A19, A92.

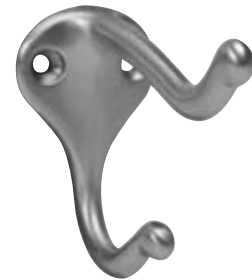


Dimensions:

Base: 1-1/2" H x 7/8" W
Projection: 2-1/2"

571 Coat & Hat Hook

- All-purpose hook in traditional design.
- Made from cast brass, cast aluminum, or epoxy-coated aluminum.
- Conforms to ANSI/BHMA A156.16 L13113 for brass and L33113 for aluminum.
- Brass Finishes: B3 (B-605), B4, B5, B10, B10B (B-613), B14, B15 (B-619), B15A (B-620), B19, B26 (B-625), B26D.
- Aluminum Finishes: A3, A4, A5, A10, A14, A92.
- Epoxy-Coated Aluminum Finishes: White A-W, Black A-BLK, Almond A-A.



Dimensions:

Base: 1-3/4" H x 1-1/4" W
Projection: 3"

572 Coat & Hat Hook

- Step-up decorative version of the traditional all-purpose hook.
- Ideal for locations where additional strength is required.
- Made from cast brass or cast aluminum.
- Conforms to ANSI/BHMA A156.16 L33112, L13113.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.
- Aluminum Finishes: A3, A4, A5, A10, A14, A92.



Dimensions:

Brass Base: 1-1/2" H x 1-5/16" W
Aluminum Base: 1-5/8" x 1-5/16"
Projection: 3"

Hooks and Brackets

573 Coat & Hat Hook

- Great where economy is needed.
- Easily installed; no tools required.
- Made from steel.
- Finishes: F2C, F3.
- Projection: 3-1/8".



574 Coat & Hat Hook

- Decorative design is ideal for commercial and residential installations.
- Made from cast brass, cast aluminum or epoxy-coated aluminum.
- Conforms to ANSI/BHMA A156.16 L13113 for brass and L33113 for aluminum.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.
- Aluminum Finishes: A3, A4, A5, A10, A14, A26, A92.
- Epoxy-Coated Aluminum Finishes: White A-W, Black A-BLK, Almond A-A.



Dimensions:
Base: 1-5/8" H x 1-3/4" W
Projection: 3-3/4"
Overall Height, Brass: 4-3/4"
Overall Height, Aluminum: 5"

575 Coat & Hat Hook

- Especially designed to accommodate large hats.
- Made from solid brass or cast aluminum.
- Conforms to ANSI/BHMA A156.16 L33121.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.
- Aluminum Finishes: A3, A4, A5, A10, A10B, A14, A92.



Dimensions:
Base: 2-1/4" H x 1-3/8" W
Projection: 3-5/8"
Overall Height: 5-3/4"

Hooks and Brackets

580 Ceiling Hook

- Ideal for use in closets, attached to underside of shelves, or in storage lockers.
- Made from cast brass or cast aluminum.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.
- Aluminum Finishes: A3, A4, A5, A10, A14, A92.

Dimensions:

Base, Brass: 7/8" H x 1-15/16" W

Base, Aluminum: 1" H x 1-7/8" W

Projection: 2-1/4"



581 Wardrobe Hook

- Compact hook is perfect where space is limited, such as behind doors where low profile is needed.
- Made from cast brass, cast aluminum or epoxy-coated aluminum.
- Brass Finishes: B3 (B-605), B4, B5, B10, B10B (B-613), B14, B15 (B-619), B15A (B-620), B19, B26 (B-625), B26D.
- Aluminum Finishes: A3, A4, A5, A10, A14, A92.
- Epoxy-Coated Aluminum Finishes: White A-W, Black A-BLK, Almond A-A.

Dimensions:

Base: 1-1/4" H x 1-1/4" W

Projection, Brass: 1-11/16"

Projection, Aluminum: 1-5/8"



582 Double Wardrobe Hook

- Compact double hook is perfect where space is limited, such as behind doors where low profile is needed.
- Made from cast brass, cast aluminum or epoxy-coated aluminum.
- Brass Finishes: B3 (B-605), B4, B5, B10, B10B (B-613), B14, B15 (B-619), B15A (B-620), B19, B26 (B-625), B26D.
- Aluminum Finishes: A3, A4, A5, A10, A14, A92.
- Epoxy-Coated Aluminum Finishes: White A-W, Black A-BLK, Almond A-A.

Dimensions:

Base, Brass: 1-1/8" H x 1-1/4" W

Base, Aluminum: 1-1/16" H x 1-3/16" W

Projection, Brass: 1"

Projection, Aluminum: 1-3/32"



Hooks and Brackets

583 & 587 Line Cleat

- Ideal for window shades, flags and other tie-down applications.
- Made from solid brass, cast aluminum or epoxy-coated aluminum.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.
- Aluminum Finishes: A3, A4, A5, A10, A14, A92.
- 587 also available in: White A-W, Black A-BLK, Almond A-A.



DISCONTINUED

Dimensions:

583: 4-1/2" Long, 13/16" Projection
587: 2-1/2" Long, 1/2" Projection

585 Closet Pole Sockets

- Flange design prevents accidental knock out of pole.
- Made from wrought steel.
- Accommodates pole or pipe with outside diameter of 1-3/8".
- Packed in pairs.
- Finish: F3.



586 Closet Pole Sockets

- Made from a heavy duty plastic for long life and extra strength.
- Single screw mounting.
- Accommodates pole or pipe with outside diameter of 1-3/8".
- Packed in pairs.
- Finish: White plastic.



Notes

Notes

Section I

Window Hardware



IVES®

Window Hardware - Locks

4 Window Lock

- Spring actuated lever provides positive direct pull which pulls rails together.
- Stops rattles and drafts.
- When unlocking, lever automatically returns to opened position.
- Made from solid brass or wrought steel.
- Meets design requirements of ANSI/BHMA 156.16.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.
- Steel Finishes: F3, F4, F10, F14, F15, F15A, F26, F26D.

DISCONTINUED



Dimensions:

Base: 1-3/8" x 2-5/16"
Strike: 9/16" x 2-1/4"

07 Window Lock

- Designed low to the sash for superior strength and greater resistance to breakage.
- Vertical and horizontal camming action for snug, non-rattling fit.
- Heavy gauge springs provide long-wearing action.
- Made from solid brass, aluminum, or epoxy coated aluminum.
- Meets design requirements of ANSI/BHMA 156.16.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.
- Aluminum Finishes: A3, A4, A5, A10, A14, A92.
- Epoxy-Coated Aluminum Finishes: White A-W, Black A-BLK, Almond A-A.



Dimensions:

Base: 15/16" x 2-9/16"
Strike: 5/8" x 2-9/16"

9 Window Lock

- Designed low to the sash for superior strength and greater resistance to breakage.
- Vertical and horizontal camming action for snug, non-rattling fit.
- Heavy gauge springs provide long-wearing action.
- Made from solid brass.
- Meets design requirements of ANSI/BHMA 156.16.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.

DISCONTINUED



Dimensions:

Base: 1-1/16" x 2-7/8"
Strike: 5/8" x 3"

1401 Window Lock

- Low silhouette and modern design.
- Lifts up and draws meeting rails tightly together.
- Locks securely and eliminates drafts and rattles.
- Unique strike design prevents damage to upper sash because fastener must be completely unlocked before window can be opened.
- Made from solid brass or aluminum.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.
- Aluminum Finishes: A3, A4, A5, A10, A14, A92.

DISCONTINUED



Dimensions:

Base: 13/16" x 2-7/8"
Strike: 7/16" x 2-7/8"

Window Hardware - Locks

0 Open Window Lock

- For locking double hung windows in open position.
- Window unit may be left open at top or bottom or both top and bottom.
- Ideal for use where air conditioning unit or fan is used.
- Made from wrought steel.
- Meets ANSI/BHMA 156.16.
- Finish: F3.



Dimensions:

Plate: 1-9/16" x 1-3/8"
Projection: 5/8"
Strike: 1" x 3/4"

90 Side Window Lock

- May be used singularly for small windows or in pairs for large windows.
- Cam action eliminates rattles and holds window firmly in desired position.
- Made from aluminum.
- Finish: A3.



Dimensions:

Size: 1-3/4" x 1-1/8"

Window Hardware - Lifts and Pulls

14 Hook Window Lift

- Facilitates opening of window in a safe manner.
- May be used singularly or in pairs.
- Made from solid brass or steel.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.
- Steel Finishes: F3, F4, F10, F14, F15, F15A, F26, F26D.

DISCONTINUED



Dimensions:

Base: 7/8" x 1-5/8"
Projection: 3/4"

026 Bar Window Lift

- Facilitates opening of window in a safe manner.
- Can also be used as a drawer or utility pull.
- Made from solid brass, aluminum, or epoxy coated aluminum.
- Meets ANSI/BHMA A156.16.
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.
- Aluminum Finishes: A3, A4, A5, A10, A14, A92.
- Epoxy-Coated Aluminum Finishes: White A- W, Black A-BLK, Almond A-A.



Dimensions:

Base: 1-1/8" x 4"
Projection: 1-1/16"

26 Bar Window Lift/Utility Pull

- Facilitates opening of window in a safe manner.
- Can also be used as a drawer or utility pull.
- Made from solid brass.
- Meets ANSI/BHMA A156.16.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.

DISCONTINUED



Dimensions:

Base: 1-1/8" x 4-3/4"
Projection: 1-1/8"

27 Bar Window Lift/Utility Pull

- Facilitates opening of window in a safe manner.
- Can also be used as a drawer or utility pull.
- Made from solid brass.
- Meets ANSI/BHMA A156.16.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.

DISCONTINUED







Dimensions:

Base: 1-3/8" x 5"
Projection: 1-1/4"

Window Hardware

066 Casement Fastener





- For use on windows to provide weather-tight fastening and security.
- Also ideal for securing louvered doors and small doors.
- Made from solid brass or aluminum.
- Meets ANSI/BHMA A156.16.
- Specify: Surface ,  Rim , or  Mortise  Strike (SS)  Strike (MS)
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.
- Aluminum Finishes: A3, A4, A5, A10, A14, A92.



Dimensions:

Base: 1-5/8" x 7/8"
Projection: 1-3/8"

66 Casement Fastener

- For use on windows to provide weather-tight fastening and security.
- Also ideal for securing louvered doors and small doors.
- Made from solid brass or aluminum.
- Meets ANSI/BHMA A156.16.
- Specify: Surface ,  Rim , or  Mortise  Strike (SS)  Strike (MS)
- Brass Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.
- Aluminum Finishes: A3, A4, A5, A10, A14, A92.



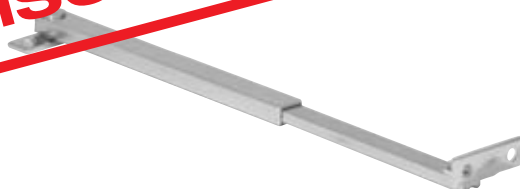
Dimensions:

Base: 2-1/16" x 1-1/16"
Projection: 1-7/8"

287 Friction Casement Adjuster

- Securely holds casement window in any position.
- Friction construction allows flexible positions without manual adjustment.
- Can also be used to hold cabinet lids in various positions.
- Made from solid brass.
- Available in 8", 10" and 12" lengths.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.

DISCONTINUED



Dimensions:

Tube: 3/8" x 5/8"
Projection: 1"

288 Friction Casement Adjuster

- Securely holds casement window in any position.
- Friction construction allows flexible positions without manual adjustment.
- Features positive locking.
- Can also be used to hold cabinet lids and drafting table tops in various positions.
- Made from solid brass.
- Available in 10" and 12" lengths.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.

DISCONTINUED



Dimensions:

Tube: 3/8" x 5/8"
Projection: 1"

Window Hardware

31 Shutter Bars

- Ideal for bi-fold doors and shutters.
- Shoulder rivet insures free swinging bar.
- Convex styling of bar for better finger grip and convenient operation.
- Made from cast brass.
- Packed with brass oval head screws.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.

DISCONTINUED

Dimensions:

Base: 7/8" x 1-1/2"
Hook Centers: 1-3/8"
Projection: 7/16"



71 Casement Adjuster

- Securely holds casement window in any position.
- Can also be used to hold cabinet lids and drafting table tops in various positions.
- Made from burnished steel or solid brass.
- Available in 10" and 12" lengths.
- Finishes: B3, F3, F4, F5, F10, F14.

Dimensions:

Tube: 3/8" x 5/8"
Projection: 1"

Sash Plate:

Brass: 1-5/8" x 5/8"
Steel: 2 x 5/8"

Sill Plate:

2-1/4" x 15/16"



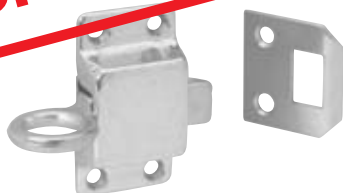
80 Transom Catch

- Independent latch action; transom can be closed by pushing directly on ring.
- Reversible: latch bolt can be easily reversed by removing back plate.
- Narrow base accommodates 1-1/4" rail.
- Made from cast brass or cast aluminum.
- When ordering, specify Universal Strike (US) or Rim Strike (RS).
- Conforms to design requirements of ANSI/BHMA A156.10.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D, A3, A4, A5, A10, A14, A92.

DISCONTINUED

Dimensions:

Size: 2-1/4" x 1-1/4"
Latch Throw: 5/16"



Universal Strike Shown

82 Transom Chain

- Available in 10", 12" and 15" chain lengths to meet varying opening requirements and transom sizes.
- Made from wrought steel.
- Plate Size: 1-1/2" x 1".
- Finishes: F3, F4, F10, F14, F26D.

DISCONTINUED



Window Hardware

350 Adjustable Catch

- Recommended for casement windows and large doors.
- Pulls window or door in for tight fit.
- Easily adjustable tension from 5 lbs. to 10 lbs.
- No mortising necessary; no latch or lock required.
- Made from wrought steel.
- Finish: F2C.

DISCONTINUED



Dimensions:

Catch: 4" x 1" x 1"

Strike: 3-3/4" x 1/2" x 3/4"

PRS375 Shutter Holdbacks

- Designed for easy opening and closing of shutters.
- Rustproof "S" hook designed for long life.
- Specially-designed rustproof spring stops shutter rattle.
- Packed with anti-rattle spring and lag screw.
- Made from cast aluminum.
- Sold in pairs.
- Finish: A19.

DISCONTINUED



6 Window Stop Adjusters

- Elongated hole facilitates proper positioning of window stop against window.
- Mortised into window stop.
- Made from wrought steel.
- Finishes: F3, F10B, F14.

DISCONTINUED



Dimensions:

Pan Head Screws: 1" x 8

Stop Diameter: 5/8"

1 Countersunk Washers

- Made from wrought brass.
- For use with screw numbers 6, 8, 10, 12 and 14.
- Packed in bags of 100.
- Finishes: B3, B14.

DISCONTINUED



Product No.	Outside Diameter
1 – N06	7/16"
1 – N08	1/2"
1 – N010	19/32"
1 – N012	5/8"
1 – N014	25/32"

Notes

Notes

Section J

Hinges



IVES®

General Architectural Hinge Information

SELECTION OF THE PROPER WEIGHT AND BEARING TYPE

Standard Weight Plain Bearing

Standard Weight Ball Bearing, Concealed Bearing

Heavy Weight Ball Bearing, Concealed Bearing

Considerations to determine Weight and Bearing type:

1. Weight of Door
2. Frequency of use
3. Frame
4. Door Hardware

Always use ball bearing or concealed bearing hinges for doors with door closers and in all fire rated openings. Heavy weight doors and high frequency doors should use heavy weight ball bearing or concealed bearing hinges.

Considerations to determine Hinge Size

1. Door Width
2. Door Thickness
3. Weight
4. Clearance

GUIDELINES FOR ARCHITECTURAL HINGE HEIGHT

DOOR THICKNESS IN INCHES	DOOR WIDTH IN INCHES	HINGE HEIGHT IN INCHES
1-3/8"	Up to 32"	3-1/2
1-3/8	32" to 37"	4"
1-3/4	Up to 36"	4-1/2"
1-3/4	36" to 48"	5"
1-3/4	Over 48"	6"
2", 2-1/4", 2-1/2"	Up to 42"	5" heavy weight
2", 2-1/4", 2-1/2"	Over 42"	6" heavy weight

GUIDELINES FOR FREQUENCY OF DOOR USAGE:

Build Type	Daily Usage	Yearly Usage	Hinge Type
High Frequency/ Heavy Weight Door			Heavy Weight
Large Department Store Entrance	5,000	1,825,000	
Hospital Corridor and Surgical Doors	5,000	1,825,000	
Large Office Building Entrance	4,000	1,460,000	
School Entrance	1,250	456,250	
School Toilet Door	1,250	456,250	
Office Stairwell	500	182,500	
Office Building Toilet Door	400	146,000	
Medium Frequency/ Medium Weight Door			Standard Weight
School Corridor Door	100	36,500	
Hospital Consultation Rooms	100	36,500	
Office Building Corridor Door	80	29,200	
Store Toilet Door	60	21,900	
Storage Room	50	18,250	
Low Frequency /Light Door			Plain Bearing
Residential Entrance	30	10,950	
Interior Residential	20	7,300	

GUIDELINES FOR ARCHITECTURAL HINGE WIDTH

DOOR THICKNESS	CLEARANCE NEEDED	HINGE OPEN WIDTH
1-3/8	3/4	4
1-3/4	1	4
-	1-1/2	4-1/2
-	2	5
-	3	6
2	1	4-1/2
-	1-1/2	5
-	2-1/2	6
2-1/4	1	5
-	2	6
2-1/2	3/4	5
-	1-3/4	6
3	3/4	8
-	2-3/4	8
-	4-3/4	10

Minimum Architectural Cycle requirements

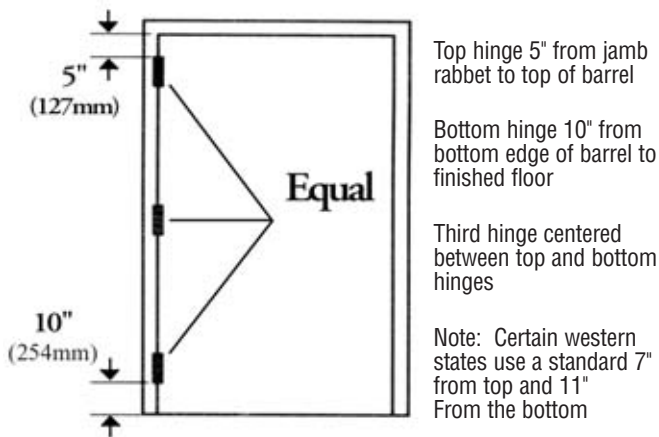
Grade 1:	2,500,000	Heavy Weight Ball & Concealed Bearing
Grade 2:	1,500,000	Standard Weight Ball & Concealed Bearing
Grade 3:	350,000	Light Weight Plain Bearing

General Architectural Hinge Information

GUIDELINES FOR NUMBER OF ARCHITECTURAL HINGES

1. Doors up to 60"..... 2 hinges
2. Doors 60" to 90"..... 3 hinges
3. Doors 90" to 120" 4 hinges

LOCATION OF ARCHITECTURAL HINGES



GUIDELINES FOR ARCHITECTURAL HINGE METAL

1. Interior doors or non-corrosive areas use: Plated or painted Steel
2. Interior labeled door use: Plated or Painted Steel, Stainless Steel
3. Interior doors in corrosive areas use: Stainless Steel , Brass, Bronze
4. Exterior doors use: Stainless Steel, Brass, Bronze

MODEL NUMBER COMPARISON CHART

TYPE	ANSI	IVES	HAGER	MCKINNEY	STANLEY	BOMMER	PBB
STEEL PLAIN BEARING	A8133	3PB1	700	T714		8000	CP81
STAINLESS PLAIN BEARING	A5133	3PB1	800	NA		8002	CP51
STEEL CONCEALED BEARING	A8112	3CB1	AB700	TA714		LB8000	CB81
STAINLESS CONCEALED BEARING	A5112	3CB1	AB800	TA314		LB8002	CB51
STEEL CONCEALED BEARING HEAVY WEIGHT	A8111	3CB1HW	AB750	TA786		LB8004	4C81
STAINLESS CONCEALED BEARING HEAVY WEIGHT	A5111	3CB1HW	AB850	TA386		LB8006	4C51
BRASS CONCEALED BEARING HEAVY WEIGHT	A2111	3CB1HW	AB850	TA386		LB8005	4B21
STEEL BALL BEARING	A8112	5BB1	BB1279	TB2714	FBB179	BB5000	BB81
STAINLESS BALL BEARING	A5112	5BB1	BB1191	TB2314	FBB191	BB5002	BB51
STEEL BALL BEARING HEAVY WEIGHT	A8111	5BB1HW	BB1168	T4B3786	FBB168	BB5004	4B81
STAINLESS BALL BEARING HEAVY WEIGHT	A5111	5BB1HW	BB1199	T4B3386	FBB199	BB5006	4B51
STEEL SWING CLEAR	A8122	5BBSC1	BB1260	TB2895	FBB248	BB8020	SC81

IVES ARCHITECTURAL HINGE FINISHES

B. H. M. A SYMBOL BASE MATERIAL

IVES	DESCRIPTION	STEEL	BRASS	STAINLESS STEEL	U.S. Equivalent
600	Primed for painting	600			USP
605	Bright Brass, clear coated		605		US3
606	Satin Brass, clear coated		606		US4
612	Satin Bronze, clear coated		612		US10
613	Oil Rubbed Satin Bronze		613		US10B
619	Satin Nickel Plated, clear coated		619		US15
630	Satin Stainless Steel			630	US32D
632	Bright Brass Plated, clear coated	632			US3
633	Satin Brass Plated, clear coated	633			US4
639	Satin Bronze Plated, clear coated	639			US10
640	Oil Rubbed Satin Bronze	640			US10B
641	Antique Bronze, Plated, Relieved, clear coated	641			US10A
643	Satin Bronze Plated, Blackened	643			US11
646	Satin Nickel Plated, clear coated	646			US15
651	Bright Chromium Plated	651			US26
652	Satin Chromium Plated	652			US26D

General Architectural Hinge Information

Ives Hinge Number System

Please note: For availability of specific models, please refer to the item's catalog page or consult Customer Service.

How to Order:

	-	-	-	-	-	-	-	-
Number of Knuckles: 3 - 3 Knuckle 5 - 5 Knuckle								
Function: PB Plain Bearing BB Ball Bearing CB Concealed Bearing SP Spring Hinge								
Type: 1 Full Mortise 2 Half/Mortise 3 Full Surface 4 Half Surface								
Weight/Options: Blank Standard Weight HW Heavy Weight SC Swing Clear SH Security Stud WT Wide Throw ST High Security Stud HT Hospital Tips								
Size Examples: 4.5 x 4 4.5 x 4.5 5 x 4.5								
Finish (Some models are not available in all finishes): 600 USP - Steel 605 US3 - Brass 606 US4 - Brass 612 US10 - Brass 613 US10B - Brass 619 US15 - Brass 630 US32D - Stainless 632 US3 - Steel 633 US4 - Steel 639 US10 - Steel 640 US10B - Steel 641 US10A - Steel 643 US11 - Steel 646 US15 - Steel 651 US26 - Steel 652 US26D - Steel								
Special Pins Applications: NRP Non-Removable Pin HT Hospital Tip TW4 Four Wire TW8 Eight Wire MON Monitor TW4M Four Wire with Monitor TW8M Eight Wire with Monitor								

FULL MORTISE HINGES - 3 KNUCKLE

PLAIN BEARING • LOW FREQUENCY • STANDARD WEIGHT

For use on Medium Weight Doors with Low Frequency Usage,
not intended for use with door closing devices

3PB1 Steel with steel pin.

3PB1 Brass with stainless pin.

3PB1 Stainless Steel with stainless steel pin. (630 finish only)

- Dimensions & tolerances conform to ANSI - A156.7.
- 3PB1 Steel Description conforms to ANSI - A8133.
- 3PB1 Stainless Description conforms to ANSI - A5133.
- Packed with wood and machine screws.

Size (Inches)	Size (MM)	Gauge
4.5 x 4	114 x 102	.134
4.5 x 4.5	114 x 114	.134



CONCEALED BEARING • MEDIUM FREQUENCY • STANDARD WEIGHT

For use on Medium Weight Doors with Medium Low Frequency Usage

3CB1 Steel with steel pin.

3CB1 Brass with stainless pin.

3CB1 Stainless Steel with Stainless Steel pin. (630 finish only)
Non- Removable Pin suffix "NRP".

- Dimensions & tolerances conform to ANSI - A156.7.
- 3CB1 Steel description conforms to ANSI - A8112.
- 3CB1 Stainless description conforms to ANSI – A5112.
- Packed with wood and machine screws.

Size (Inches)	Size (MM)	Gauge
4.5 x 4	114 x 102	.134
4.5 x 4.5	114 x 114	.134



CONCEALED BEARING • HIGH FREQUENCY • HEAVY WEIGHT

For use on Heavy Weight Doors or High Frequency Usage

3CB1HW Steel with steel pin

3CB1HW Brass with stainless pin

3CB1HW Stainless Steel with stainless pin (630 finish only)
Non- Removable Pin suffix "NRP"

- Dimensions & tolerances conform to ANSI - A156.7
- 3CB1HW Steel description conforms to ANSI - A8111
- 3CB1HW Stainless description conforms to ANSI – A5111
- 3CB1HW Brass description conforms to ANSI – A2111
- Packed with wood and machine screws

Size (Inches)	Size (MM)	Gauge
4.5 x 4	114 x 102	0.180
4.5 x 4.5	114 x 114	0.180
5 x 4.5	127 x 114	0.190



FULL MORTISE HINGES - 3 KNUCKLE

SPRING HINGE

For automatic closing of door.

3SP1 Steel with steel pin
3SP1 Stainless Steel with stainless pin (630 finish only)

- UL listed for use with fire rated doors.
- Packed with wood and machine screws.

Size (Inches)	Size (MM)	Gauge
4.5 x 4.5	114 x 114	0.134



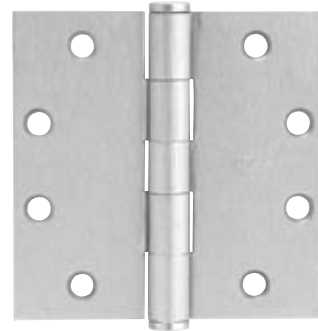
PLAIN BEARING • LOW FREQUENCY • STANDARD WEIGHT

For use on Medium Weight Doors with Low Frequency Usage, not intended for use with door closing devices.

5PB1 Steel with steel pin
5PB1 Brass with stainless pin
5PB1 Stainless Steel with stainless steel pin (630 finish)
 Non-Removable Pin Suffix "NRP"

- Dimensions & tolerances conform to ANSI - A156.7.
- Packed with wood and machine screws.

Size (Inches)	Size (MM)	Gauge
4.5 x 4.5	114 x 114	.134
4.5 x 4	114 x 102	.134



2 BALL BEARING • MEDIUM FREQUENCY • STANDARD WEIGHT

For use on Standard Weight Doors with Medium Frequency Usage

5BB1 Steel with steel pin
5BB1 Brass with stainless pin
5BB1 Stainless Steel with stainless steel pin (630 finish only)
 Non-Removable Pin suffix "NRP"

- Dimensions & tolerances conform to ANSI - A156.7.
- 5BB1 Steel description conforms to ANSI - A8112.
- 5BB1 Stainless description conforms to ANSI - A5112.
- Packed with wood and machine screws.

Size (Inches)	Size (MM)	Gauge
4.5 x 4.5	114 x 114	.134
4.5 x 4	114 x 102	.134
5 x 4.5	127 x 114	.134



FULL MORTISE HINGES - 5 KNUCKLE

2 BALL BEARING • MEDIUM FREQUENCY • STANDARD WEIGHT • HIGH SECURITY STUDS

3/8" studs protrude through opposing leaves and into the frame.

5BB1ST Steel with steel pin

5BB1ST Stainless Steel with stainless steel pin (630 finish only)

- Dimensions & tolerances conform to ANSI - A156.7.
- 5BB1SH Steel description conforms to ANSI - A8112.
- 5BB1SH Stainless description conforms to ANSI - A5112.
- Packed with wood and machine screws.

Size (Inches)	Size (MM)	Gauge
4.5 x 4.5	114 x 114	.134



4 BALL BEARING • HIGH FREQUENCY • HEAVY WEIGHT

For use on Heavy Weight Doors or High Frequency Usage

5BB1HW Steel with steel pin

5BB1HW Brass with stainless pin

5BB1HW Stainless Steel with stainless steel pin (630 finish only)
Non-Removable Pin suffix "NRP" strike

- Dimensions & tolerances conform to ANSI - A156.7.
- 5BB1HW Steel description conforms to ANSI - A8111.
- 5BB1HW Stainless description conforms to ANSI - A5111.
- Packed with wood and machine screws.

Size (Inches)	Size (MM)	Gauge
4.5 x 4.5	114 x 114	0.180
5 x 4.5	127 x 114	0.190



2 BALL BEARING • MEDIUM FREQUENCY • STANDARD WEIGHT • SWING CLEAR

Designed to completely clear the opening when door is opened 92 degrees. Pins and tips are reversible.

5BB1SC Steel with steel pin

5BB1SC Stainless Steel with stainless steel pin (630 finish only)

- Dimensions & tolerances conform to ANSI - A156.7.
- 5BB1SC Steel Description conforms to ANSI - A8133.
- 5BB1SC Stainless Description conforms to ANSI - A5121.
- Packed with flat head wood and machine screws.

Size (Inches)	Size (MM)	Gauge
4.5	114	0.134
5	127	0.134



FULL MORTISE HINGES - 5 KNUCKLE

2 BALL BEARING • MEDIUM FREQUENCY • HEAVY WEIGHT • SWING CLEAR

Designed to completely clear the opening when door is opened 92 degrees. Pins and tips are reversible.

5BB1SCHWB Steel with steel pin
5BB1SCHWB Stainless Steel with stainless steel pin (630 finish only)

- Dimensions & tolerances conform to ANSI - A156.7.
- 5BB1SCHWB Steel Description conforms to ANSI - A8133.
- 5BB1SCHWB Stainless Description conforms to ANSI - A5121.
- Packed with flat head wood and machine screws.

Size (Inches)	Size (MM)	Gauge
4.5	114	0.134
5	127	0.134



4-WIRE • 8-WIRE • HIGH FREQUENCY • HEAVY WEIGHT • SWING CLEAR

For use on Heavy Weight Doors or High Frequency Usage

4-Wire (TW 4 Suffix)

8-Wire (TW 8 Suffix)

Monitor (MON Suffix)

Through-Wire with monitor (TW4M Suffix or TW8M)

- Available in 3 and 5 Knuckle
- Listed under UL 634
- Available in most models in current IVES hinge offering
- One hinge per box, packed with wood and machine screws
- High quality brass ferrules and plastic tubing protect the wires
- Through-wire hinges cycle tested to ensure durability
- Ives warranty applies - 12 months from date of shipment

Size (Inches)	Size (MM)	Gauge
4.5 x 4.5	114 x 114	0.180
5 x 4.5	127 x 114	0.190



2 BALL BEARING • MEDIUM FREQUENCY • STANDARD WEIGHT • HIGH SECURITY STUDS

3/8" studs protrude through opposing leaves and into the frame.

3BB1ST Steel with steel pin

3BB1ST Stainless Steel with stainless steel pin (630 finish only)

- Dimensions & tolerances conform to ANSI - A156.7.
- 3BB1SH Steel description conforms to ANSI - A8112.
- 3BB1SH Stainless description conforms to ANSI - A5112.
- Packed with wood and machine screws.

Size (Inches)	Size (MM)	Gauge
4.5 x 4.5	114 x 114	.134

RESIDENTIAL HINGES

1000 Series Residential Hinges

- Full mortise hinges in 3 sizes: 3", 3-1/2" and 4".
- Two corner options: Square corner and 5/8" radius corners.
- Made from solid brass or stainless steel.
- Finishes: B-505 (Ultima Lifetime Anti-Tarnish), B-613, B-619, B-620 and B-625

Model	Size	Corner
1000	3" x 3"	Square Corner
1001	3" x 3"	5/8" Radius Corner
1010	3-1/2" x 3-1/2"	Square Corner
1011	3-1/2" x 3-1/2"	5/8" Radius Corner
1020	4" x 4"	Square Corner
1021	4" x 4"	5/8" Radius Corner



1000



1011



1001



1020



1010



1021

Section K

Cabinet/Closet Knobs
and Pulls



IVES®

Cabinet/Closet Knobs and Pulls

513 Knob Backplate

- For use with Ives cabinet knobs 521, 523, 524, 530 and 535.
- Available in two diameters: 1-1/2" and 1-3/4".
- Provides a finishing touch. Especially useful to cover holes or marks in replacement or remodeling applications.
- Made from wrought brass.
- 3/64" thick backplate. (This increases the projection of knob or pull.)
- Conforms to ANSI/BHMA A156.9 B22181.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.

Models:

513 1 1/2IN
513 1 3/4IN



521 Round Knob

- Available in four diameters: 3/4", 1", 1-1/4" and 1-1/2".
- Made from wrought brass.
- Furnished with a No. 8-32 machine screw, 1-1/8" long.
- Conforms to ANSI/BHMA A156.9 B22131.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.

Model & Diameter	Projection
521 3/4IN	3/4"
521 1IN	5/16"
521 1 1/4IN	1 1/8"
521 1 1/2IN	1 5/16"



523 Colonial Knob

- Available in four diameters: 5/8", 1", 1-1/4" and 1-1/2".
- Made from wrought brass.
- Furnished with a No. 8-32 machine screw.
- Conforms to ANSI/BHMA A156.9 B22131.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.

Model & Diameter	Projection	Screw Length
523 5/8IN	5/8"	1"
523 1IN	13/16"	1-1/8"
523 1 1/4IN	1"	1-1/8"
523 1 1/2IN	1-7/32"	1-1/8"



Cabinet/Closet Knobs and Pulls

524 Round Knob

- Available in five diameters: 5/8", 3/4", 1", 1-1/4" and 1-1/2".
- Made from wrought brass. 1", 1-1/4" and 1-1/2" diameter knobs also made from anodized aluminum or epoxy-coated aluminum.
- Furnished with a No. 8-32 machine screw.
- Conforms to ANSI/BHMA A156.9 B22131 for brass, B42131 for aluminum.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D. 1", 1-1/4" and 1-1/2" knobs also available in PA-A (almond), PA-W (white), PA-BLK (black).

Model & Diameter	Projection	Screw Length
524 5/8IN	5/8"	1-1/8"
524 3/4IN	23/32"	1-1/8"
524 1IN	7/8"	1-1/8"
524 1 1/4IN	1-1/32"	1-1/8"
524 1 1/2IN	1-7/32"	1-1/8"



530 Ball Knob

- Available in two diameters: 1" and 1-1/4".
- Made from wrought brass.
- Furnished with a No. 8-32 machine screw.
- Conforms to ANSI/BHMA A156.9 B22131.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.

Model & Diameter	Projection	Screw Length
530 1IN	1-1/8"	1-1/8"
530 1 1/4IN	1-1/2"	1-1/8"



535 Oval Knob

- Available in two sizes: 1-1/8" and 1-3/8".
- Made from wrought brass.
- Furnished with a No. 8-32 machine screw.
- Conforms to ANSI/BHMA A156.9 B22131.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.

Model & Size (Height)	Knob Width	Projection	Screw Length
535 1 1/8IN	13/16"	1-5/32"	1-1/8"
535 1 3/8IN	1-1/8"	1-3/8"	1-1/8"



Cabinet/Closet Knobs and Pulls

33/34 Wire Pull

- Made from wrought brass.
- Furnished with No. 8-32 machine screws, 1" long.
- Conforms to ANSI/BHMA A156.9 B22011.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.

Model	Center-to-Center	Overall Size	Projection
33	5"	3-5/16"	1-5/16"
34	6"	6-5/16"	1-5/16"



36/37/38 Wire Pull

- Made from wrought brass, aluminum, or epoxy-coated aluminum.
- Furnished with a No. 8-32 machine screw, 1" long.
- Conforms to ANSI/BHMA A156.9 B22011 for brass, B42011 for aluminum.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D, PA28, PA-A (almond), PA-W (white), PA-BLK (black).

Model	Center-to-Center	Overall Size	Projection
36	3"	3-5/16"	1-5/16"
37	3-1/2"	3-13/16"	1-5/16"
38	4"	4-5/16"	1-5/16"



133 Beaded Pull

- Available in three center-to-centers: 3", 3-1/2", and 4".
- Made from wrought brass.
- Furnished with a No. 8-32 machine screw, 1" long.
- 133 3IN and 133 3-1/2IN are packaged with base washers 504.
- Conforms to ANSI/BHMA A156.9 B22011 for brass.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.

Model	Center-to-Center	Overall Size	Projection
133	3IN	3-3/8"	1-1/8"
133	3 1/2IN	3-7/8"	1-1/8"
133	4IN	4-3/8"	1-1/8"



Cabinet/Closet Knobs and Pulls

137 Drawer Pull

- Made from cast brass or aluminum.
- Furnished with a No. 8-32 machine screw, 1" long.
- Conforms to ANSI/BHMA A156.9 B12011 for brass and A12011 for aluminum.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D, A3, A4, A5, A10, A14, A92.

Model	Center-to-Center	Overall Size	Projection
137	3"	3-1/2"	7/8"



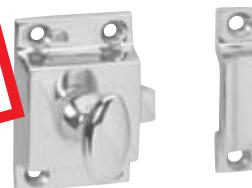
504 Wire Pull Base Washers

- For use with Ives 33, 34, 36, 37, 38, 133-3IN and 133-3-1/2IN wire pulls.
- Made from wrought brass.
- 5/8" diameter.
- 3/64" thickness (This increases the projection of pull.)
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.



540 Cupboard Latch

- For cabinets or small doors.
- Surface applied, making installation simple.
- Made from cast brass.
- Conforms to ANSI/BHMA A156.9 B13243.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D.



Dimensions:

Case: 1-3/4" x 1-3/16"

Strike: 1-3/4" x 7/16"

2 Elbow Catch

- Ideal for use on the inactive leaf of a pair of cabinet doors.
- Surface applied, making installation simple.
- Made from cast brass or cast aluminum.
- Conforms to design requirements of ANSI/BHMA A156.9.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B26, B26D, A3, A4, A5, A10, A14, A92.



Dimensions:

Plate: 1-3/8" x 5/8"

Strike: 13/16" x 5/8"

Cabinet/Closet Knobs and Pulls

22 Flush Pull

- Low profile makes this pull ideal for louvered, bi-folding or wardrobe doors.
- Extra deep recess and reverse tapered grip provide for ease of pulling and gripping.
- Made from wrought brass.
- Conforms to design requirements of ANSI/BHMA A156.9 B22201 and A156.14 D2781.
- Finishes: B3, B4, B5, B10, B10B, B14, B15 (B-619), B15A (B-620), B19, B26 (B-625), B26D, B-619, B-620, B-625.



Dimensions:

1-5/16" H x 3-1/8" W x 7/16" D

218 Finger Pull

- Ideal for use on sliding doors.
- Easy installation.
- Made from wrought brass.
- Conforms to design requirements of ANSI/BHMA A156.9 B22201 and A156.14 D2781.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:

Inside Cup Diameter: 3/4"

Overall Diameter: 1"

Depth: 5/16"

~~220~~/221 Flush Pull

- Ideal for use on sliding doors.
- Built-in prong design eliminates the need for screws or brads and facilitates installation.
- Packed with two escutcheon pins for added holding power.
- Made from wrought brass.
- Conforms to design requirements of ANSI/BHMA A156.9 B22201 and A156.14 D2781.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:

220 Inside Cup Diameter: 2"

220 Overall Diameter: 2-3/8"

220 Depth: 7/16"

221 Inside Cup Diameter: 2-1/8"

221 Overall Diameter: 2-7/16"

221 Depth: 7/16"

Cabinet/Closet Knobs and Pulls

222 Flush Pull

- Low profile makes this pull ideal for louvered, bi-folding or wardrobe doors.
- Reverse tapered grip provide for ease of pulling.
- Made from cast brass.
- Conforms to design requirements of ANSI/BHMA A156.9 B12201 and A156.14 D1781.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:
3-1/8" H x 1-5/8" W x 7/16" D

223 Flush Pull

- Low profile makes this pull ideal for louvered, bi-folding or wardrobe doors.
- Made from wrought brass.
- Conforms to design requirements of ANSI/BHMA A156.9 B22201 and A156.14 D2781.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:
3-9/16" H x 1-5/16" W x 1/2" D

225/226 Flush Pull

- Ideal for use on sliding doors.
- Easy installation.
- Made from wrought brass.
- Conforms to design requirements of ANSI/BHMA A156.9 B22201 and A156.14 D2781.
- 225 packed with brads; 226 packed with screws.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:
225 Inside Cup Diameter: 1-1/2"
225 Overall Diameter: 1-3/4"
225 Depth: 3/8"
226 Inside Cup Diameter: 2-1/8"
226 Overall Diameter: 2-1/2"
226 Depth: 7/16"

227 Flush Pull

- Contoured for ease of pulling.
- Extra deep well.
- Deluxe quality.
- Made from wrought brass.
- Conforms to design requirements of ANSI/BHMA A156.9 B22201 and A156.14 D2781.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:
3-5/8" H x 1-3/4" W x 9/16" D

Cabinet/Closet Knobs and Pulls

425/426 Flush Ring Pull

- Ideal for use on sliding doors.
- Convenient finger grip provides easy use of pull.
- Made from wrought brass.
- Conforms to design requirements of ANSI/BHMA A156.9 B22201.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:

425 Inside Cup Diameter: 1-1/2"

425 Overall Diameter: 1-3/4"

425 Depth: 3/8"

426 Inside Cup Diameter: 2-1/8"

426 Overall Diameter: 2-1/2"

426 Depth: 3/8"

42 Pocket Sliding Door Bolt

- Exclusive Ives design permits emergency release of bolt from outside the door.
- Spring activated design allows feather-touch action.
- Brass grommet supplied to cap release hole, protecting the door's finish.
- Made from wrought brass.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:

Overall Size, Plate: 3-1/16" x 1-5/32"

Strike: 1" x 3/4"

Depth of Mortise: 5/8"

230 Sliding Door Edge Pull

- 3/4" width allows installation on narrow as well as standard doors.
- Spring automatically returns lever flush with plate.
- Made from solid brass.
- Conforms to design requirements of ANSI/BHMA A156.14 D2801.
- Finishes: B3, B4, B5, B10, B10B, B14, B15, B15A, B19, B26, B26D.



Dimensions:

3-7/8" H x 3/4" W

Cabinet/Closet Knobs and Pulls

990 Sliding Door Pull

- Fits doors 1-3/8" to 1-1/2".
- Decorative coined edges.
- Pre-assembled for doors opening left to right. Plates are reversible.
- Body and strike made from solid brass.
- Finishes: B3, B5, B26, B-613, B-619, B-620.



Dimensions:
1-3/4" deep x 2-1/4" high

991 Sliding Door Lock

- Fits doors 1-3/8" to 1-1/2".
- Decorative coined edges.
- Pre-assembled for doors opening left to right. Plates are reversible.
- Body, turn knob and strike made from solid brass.
- Finishes: B3, B5, B26, B-613, B-619, B-620.



Dimensions:
1-3/4" deep x 2-1/4" high

992 Double Sided Sliding Door Lock

- Fits doors 1-3/8" to 1-1/2".
- Decorative coined edges.
- Pre-assembled for doors opening left to right. Plates are reversible.
- Body, turn knobs and strike made from solid brass.
- Finish: B3.



Dimensions:
1-3/4" deep x 2-1/4" high

Section L

Hobby Hardware



IVES®

Hobby Hardware

78 Hook and Staple

- Made from solid brass
- Finish: B3

Dimensions:

Hook: 1-1/2" Long

Staple: 3/4" high x 15/16" wide



86 Hobbyist Barrel Bolt

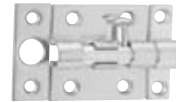
- Made from solid brass
- Finish: B3

Dimensions:

Bolt plate: 1-9/16" high x 1-11/16" wide

Bolt guide: 1-9/16" high x 7/16" wide

Strike plate: 1-9/16" high x 5/8" wide



89 Hobbyist Padlock w/ Keys

- Made from steel
- Finish: F5

Dimensions:

Padlock, overall height: 1-5/16"

Padlock, overall width: 3/4"



328 Friction Catch

- Made from steel
- Finish: F3

Dimensions:

Catch, overall depth: 5/8"

Catch, body depth: 1/2"

Catch, overall height: 3/8"



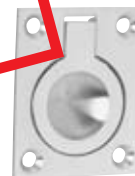
420 Flush Pull Ring

- Made from solid brass
- Finish: B3

Dimensions:

Overall height: 1-3/4"

Overall width: 1-7/16"



Hobby Hardware

520 Cabinet Knob

- Made from solid brass
- Finish: B3

Dimensions:
Projection: 3/8"
Diameter: 1/2"

DISCONTINUED



690 Continuous Hinge

- Made from solid brass
- Finish: B3

Dimensions:
Overall height: 4"
Overall width: 3/4"

DISCONTINUED



691 Continuous Hinges

- Made from solid brass
- Finish: B3

Dimensions:
Overall height: 8 "
Overall width: 3/4"

DISCONTINUED



9010 Narrow Butt Hinge

9020 Narrow Butt Hinge

9030 Narrow Butt Hinge

- Made from solid brass
- Finish: B3

Dimensions:
9010 Overall height x overall width: 3/4" x 5/8"
9020 Overall height x overall width: 1" x 3/4"
9030 Overall height x overall width: 1-1/2" x 15/16"



9040 Narrow Butt Hinge

- Made from solid brass
- Finish: B3

Dimensions:
Overall height x overall width: 2" x 1"



Hobby Hardware

9011 Middle Butt Hinge

~~**9021 Middle Butt Hinge**~~

9031 Middle Butt Hinge

- Made from solid brass
- Finish: B3

Dimensions:

9011 Overall height x overall width: 3/4" x 11/16"

9021 Overall height x overall width: 1" x 7/8"

9031 Overall height x overall width: 1-1/2" x 1"



9041 Middle Butt Hinge

9051 Middle Butt Hinge

- Made from solid brass
- Finish: B3

Dimensions:

9041 Overall height x overall width: 2" x 1-1/4"

9051 Overall height x overall width: 2-1/2" x 1-1/2"



9012 Broad Butt Hinge

9022 Broad Butt Hinge

9032 Broad Butt Hinge

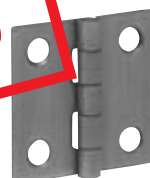
- Made from solid brass
- Finish: B3. 9022 also available in B5.

Dimensions:

9012 Overall height x overall width: 3/4" x 1"

9022 Overall height x overall width: 1" x 1"

9032 Overall height x overall width: 1-1/2" x 1-1/4"



9042 Broad Butt Hinge

- Made from solid brass
- Finishes: B3, B5

Dimensions:

Overall height x overall width: 2" x 1-3/8"



9033 Desk Butt Hinge

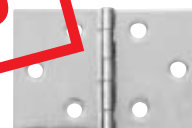
9043 Desk Butt Hinge

- Made from solid brass
- Finish: B3

Dimensions:

9033 Overall height x overall width: 1-1/2" x 2-1/16"

9043 Overall height x overall width: 2" x 3-1/16"



Hobby Hardware

9060 Decorative Hinge

- Made from solid brass
- Finishes: B3, B5

Dimensions:

Overall height x overall width: 5/8" x 1"

DISCONTINUED



9061 Decorative Hinge

- Made from solid brass
- Finish: B3

Dimensions:

Overall height x overall width: 3/4" x 1-7/8"

DISCONTINUED



9070 Decorative Hinge

- Made from steel
- Finish: F3

Dimensions:

Overall height x overall width: 1-5/16" x 2-7/8"



9071 Decorative Hinge

9072 Decorative Hinge

- Made from solid brass
- Finishes: B3, B5

Dimensions:

9071 Overall height x overall width: 1-11/16" x 3-1/16"

9072 Overall height x overall width: 1-5/16" x 2-3/16"



9073 Decorative Hinge

- Made from solid brass
- Finishes: B3, B5

Dimensions:

Overall height x overall width: 1-1/2" x 1-3/8"

DISCONTINUED



Hobby Hardware

9080 Decorative Hinge

- Made from solid brass
- Finish: B3

Dimensions:

Overall height x overall width: 5/8" x 2-3/4"

DISCONTINUED



9081 Decorative Hinge

- Made from solid brass
- Finish: B3

Dimensions:

Overall height x overall width: 5/8" x 1-7/8"

DISCONTINUED



9090 Decorative Hinge

- Made from solid brass
- Finish: B5

Dimensions:

Overall height x overall width: 2" x 1-3/8"



9110 Decorative Hasp

- Made from solid brass
- Finishes: B3, B5

Dimensions:

Overall height x overall width: 5/8" x 1-7/8"



9120 Hasp

- Made from solid brass
- Finishes: B3, B5

Dimensions:

Overall height x overall width: 3/4" x 2-3/4"



9121 Hasp

9122 Hasp

- 9121 made from solid brass
- 9122 made from steel
- Finishes: 9121 in B3, 9122 in F3

Dimensions:

9121 Overall height x width: 1" x 2-7/8"

9122 Overall height x width: 1-1/4" x 3-1/8"

DISCONTINUED



Hobby Hardware

9130 Hasp with Hook

- Made from solid brass
- Finish: B3

Dimensions

Overall height x overall width: 3/4" x 2-3/4"



9210 Support Hinge

- Made from steel
- Finish: F3
- Handed. Specify Left Hand (LH) or Right Hand (RH)

Dimensions

Extension: approx. 10-3/8"



9220 Friction Lid Support

- Made from steel
- Finish: F3
- Handed. Specify Left Hand (LH) or Right Hand (RH)

Dimensions

Extension: approx. 5"



9230 Friction Lid Support

- Made from steel
- Finish: F3
- Right Handed (RH)

Dimensions

Extension: approx. 5-1/2"



9240 Lid Support

- Made from steel
- Finish: F19
- Specify Left Hand (LH), Right Hand (RH), Center (CTR)

Dimensions

Extension: approx. 6"



Hobby Hardware

9250 Drop Leaf Support

- Made from steel
- Finish: F19

Dimensions
Extension: approx. 10"



9310 Decorative Corner

- Made from steel
- Finish: F3

Dimensions:
Side to corner: 1-1/2"



9311 Decorative Corner

9312 Decorative Corner

- Made from solid brass
- Finish: B3

Dimensions:
9311 Side to corner: 1-3/4"
9312 Side to corner: 1-1/4"



9320 Bracket

- Made from solid brass
- Finish: B3

Dimensions:
Each leaf 1/2" x 1-1/8"



9321 Bracket

- Made from solid brass
- Finish: B3

Dimensions:
Each leaf 1/2" x 1-9/16"



9330 Draw Catch

- Made from steel
- Finish: F3

Dimensions:
Overall height: 1-1/2"
Overall width: 2-3/4"



Hobby Hardware

9331 Draw Catch

- Made from steel
- Finish: F3

Dimensions:
Overall height: 1-3/4"
Overall width: 3-1/4"

DISCONTINUED



9332 Draw Catch

- Made from steel
- Finish: F2C

Dimensions:
Overall height: 1-5/8"
Overall width: 2-3/8"

DISCONTINUED



9333 Draw Catch

- Made from steel
- Finish: F2C

Dimensions:
Overall width: 3-11/16"

DISCONTINUED



9334 Snap Catch

- Made from steel
- Finish: F5

Dimensions:
Overall height: 1-3/8"
Overall width: 15/16"

DISCONTINUED



9335 Catch

- Made from solid brass
- Finishes: B3, B5

Dimensions:
Overall height: 7/8"
Overall width: 1-5/16"

DISCONTINUED



9340 Chest Handle

- Made from steel
- Finish: F3

Dimensions:
Overall height: 1-1/2"
Overall width: 3-1/2"



