

INPACT System Sets are ordered from Steelcraft and supported by detailed drawings and images shown here. SEE ORDER FORM & ITEM DESCRIPTIONS ON NEXT PAGES.
 INPACT Integrated Doors Systems are factory installed with Von Duprin 94/95 exit devices. All other hardware shown below is ordered from Steelcraft and ships uninstalled with the INPACT door from Steelcraft. If your required hardware is not shown, you may inquire or order from Steelcraft through L or T Series doors as prep only, with hardware ordered separately from Allegion brands for field installation.

	System set available												A la carte
	D1-D4= "Double Egress"				P1-P4 = "Same Swing"				S1-S4 = "Single"				From Steelcraft
	D1	D2	D3	D4	P1	P2	P3	P4	S1	S2	S3	S4	
	90x90	90x90	90x90	90x180	90x90	90x90	180x180	180x180	90	90	180	180	
Steelcraft doors													
L Series	■	■	■	■	■	■	■	■	■	■	■	■	■
T Series	■	■	■	■	■	■	■	■	■	■	■	■	■
Von Duprin exit devices													
94/9547 Series CVR with LBR option	■	■	■	■	■	■	■	■	-	-	-	-	■
94/9575 Series Mortise exit	-	-	-	-	-	-	-	-	■	■	■	■	■
LCN closers													
4040XP Closer	-	-	-	■	-	-	■	■	-	-	■	■	■
4000T Wall mounted closer	■	■	■	■	■	■	-	-	■	■	-	-	■
LCN magnetic holders													
SEM 7850 Magnetic holder	■	■	■	■	■	■	■	■	■	■	■	■	■
IVES hinges & pivots													
700 Stainless pin and barrel continuous	■	-	-	■	-	-	■	-	■	-	■	-	■
711BSC Beveled swing clear continuous	-	■	-	-	■	-	-	■	-	■	-	■	■
91105F pocket pivot	-	-	■	-	-	■	-	-	-	-	-	-	■
224HD AL geared continuous	-	-	-	-	-	-	-	-	-	-	-	-	■
224XY AL geared continuous	-	-	-	-	-	-	-	-	-	-	-	-	■
041XY AL geared swing clear continuous	-	-	-	-	-	-	-	-	-	-	-	-	■
040XY AL geared wide throw continuous	-	-	-	■	-	-	-	-	-	-	-	-	■
5BB1HW 4.5" or 5" butt hinges	-	-	-	-	-	-	-	-	-	-	-	-	■
5BB1HWBSC 4.5" or 5" butt hinges	-	-	-	-	-	-	-	-	-	-	-	-	■
*D4 is shown with 2 different hinges to accommodate a wide throw condition using an available aluminum geared 040XY. Typically hinges should be the same material.													
Steelcraft frames													
FE Series (special profile for swing clear or pocket pivot)	■	■	■	■	-	-	-	-	-	-	-	-	■
F Series (double or single rabbet)	-	-	-	-	■	■	■	■	■	■	■	■	■

NOTES:

- 1 For system sets All hardware is installed or shipped with the door. Frame is ordered separately since frames are typically required earlier.
- 2 If ordering a la carte, changes to frames, hinges or closers may change your wall configuration, opening size and clear opening width.

■ Shown in images. Similar sets differing in hinge only are also listed below.

MAXIMUM CLEAR OPENING USING STANDARD CONSTRUCTION & INSTALLS (not including gasketing or astragals)

Set	CA CLEAR	US CLEAR
	CBC 1010.1.1	ADA 404.2.3
D1	*44 1/16	45 11/16
D2	45 9/16	47 3/16
D3	46 13/32	48 1/32
D4	*43 27/32	45 1/32
P1	45 11/16	47 5/16
P2	46 17/32	48 5/32
P3	*44 3/16	45 13/16
P4	45 11/16	47 5/16
S1	*43 7/16	45 1/16
S2	44 15/16	46 9/16
S3	*43 7/16	45 1/16
S4	44 15/16	46 9/16

*risks < 44" clear.
 Review INPACT System Set Draftings of pre-configured System Sets and consult your Allegion sales representative, installer, architect and engineer for options. Your AHJ / Building Inspector is the final authority.

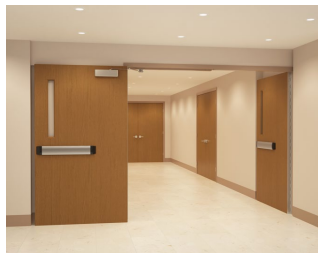
711BSC Beveled Swing Clear Hinge



DOUBLE EGRESS

- D1 -- 700 Full mortise pin & barrel
- D2 -- 711BSC Beveled swing clear
- D3 -- 91105F Pocket pivot

D4 -- 700 x 040XY wide throw



SAME SWING PAIRS

- P1 -- 711BSC Beveled swing clear
- P2 -- 91105F Pocket pivot

- P3 -- 700 Full mortise pin & barrel
- P4 -- 711BSC Beveled Swing clear



SINGLE / STAIR AND ELEVATOR ACCESS

- S1 -- 700 Full mortise pin & barrel
- S2 -- 711BSC Beveled swing clear

- S3 -- 700 Full mortise pin & barrel
- S4 -- 711BSC Beveled swing clear



STEELCRAFT DOOR OPENING

Series, Gauge:

Standard visible edge

L18, L16, T18, T16

Epoxy filled edge (see price adder)

LF18, LF16, TF18, TF16

INPACT System Set (see set matrix and INPACT link below for detailed drawings and set images:

D = Double Egress

P = Pair same swing

S = Single

D1 90x90 700 Hinge

P1 90x90 711BSC

S1 90 700 Hinge

D2 90x90 711BSC

P2 90x90 91105F

S2 90 711BSC

D3 90x90 91105F

P3 180x180 700

S3 180 700 Hinge

D4 90x180 700 x 040XY

P4 180x180 711BSC

S4 180 711BSC

YOU MAY:

- 1) SELECT ONE OF THE SYSTEM SETS ABOVE (D1-D4, P1-P4, OR S1-S4), THEN DUPLICATE THAT SELECTION FURTHER RIGHT TO IDENTIFY WHERE YOU WILL ALSO DEFINE ALL HARDWARE OPTIONS SUCH AS FINISH.
- 2) SELECT M (MODIFIED) IN THE NEXT CELL IF YOU ARE SELECTING ANY HARDWARE THAT IS NOT SPECIFIED ON THE SET DRAWINGS SUPPLIED ON OUR INPACT WEBSITE DOWNLOADS. SEE WARNING NOTE BELOW.

NOTE: IF YOU SELECT (M) MODIFYING ANY HARDWARE OPTIONS COMPARED TO THE DRAWING, YOU WILL BE RESPONSIBLE TO MAKE SURE THE WALLS, HOLLOW METAL, AND HARDWARE DETAILS WORK TOGETHER AS NEEDED -- WE HAVE MADE AN EFFORT TO CREATE THE 12 PROVIDED SYSTEM SETS TO DO THIS WORK FOR YOU, WHICH YOU SHOULD VERIFY FOR YOUR OPENING BEFORE ORDERING AS A BEST PRACTICE, BUT WE HAVE NOT CALCULATED DIMENSIONS OR VERIFIED OTHER HARDWARE COMBINATIONS THROUGH ENGINEERING DRAWINGS.

Reference system set drawings and images in downloads at <https://www.steelcraft.com/en/products/steel-doors/inpact-series-hospital-doors.html>

Modified system set (M) -- leave blank if using system set as is (recommended):

Please highlight any door or hardware price cell that is not on the chosen system set.

If you changed any door or hardware compared to the system set drawing, marking "M" here helps to highlight for you to check for any inconsistencies (download system set drawings online). **See Note in previous item if selecting "M".**

Opening width:

max 4'0 wide singles and 8'0 wide pairs

Opening height:

L series max 10'

T series max 9'

Edge Fill:

Standard visible edge

Epoxy filled edge (see price adder)

LF/TF (LW/TW not available)

Door Type (flush/lights):

F = Flush door

Standard lights = V, N4, N5 (Std G is size modified to accommodate exit device)

Non-standard lights = V, N, G (G N/A with T series)

- attach sketch with order for non-standard sizes and locations for review

Add to order code

CO = Cutout only for non-labeled only

CH = Cutout with Channels for labeled and non-labeled applications

Handing:

RHR, LHR

RHRA, LHRA

RH, LH

Door Core:

HC = Honeycomb

PS = Polystyrene

PU = Polyurethane (non-label only)

T = Temperature Rise, See T series

Door Width (STD / WIDE INACT / NET):

(D) Double Egress options:

STD = Standard downsizing

W = Wide inactive leaf

Net = Provide actual net door width per leaf (does not include additional downsizing)

(P) Same Swing Pair options:

STD = Standard downsizing

W = Wide inactive leaf

Net = Provide actual net door width per leaf (does not include additional downsizing)

NOTES:

1) Definitions:

Standard downsizing: actual door width is the door opening size minus 3/32" lockside gap minus hinge side gap

Wide inactive: adds 3/32" to standard downsizing of inactive leaf only (do not use if Z- astragal is used)

Net door width: provide actual door width per leaf door. The Max net door size is 3'11 13/16 for active and 3'11 29/32 for wide inactive. Max net door size is 3'11 13/16 for active and 3'11 29/32 for wide inactive. Net door size does not add any additional downsizing.

2) Doors are ordered as pairs on this order form, but are entered into our system and invoiced as single doors

3) Adjust your door width per installer preference. Ordering as noted above is designed to provide optimal gaps in a perfect installation to achieve NFPA80 required 1/8", max 3/16" meeting edge. The meeting edge gap may be reduced using steel hinge shims (this will also reduce the resulting clear opening width).

Astragal:

Blank = No astragal

Z = Z Astragal

- Effectively adds 3/32" thickness to the wide inactive leaf

- Wide inactive leaf is not used with Z astragal

- Z astragal cannot be used with same swing pairs containing 2 active leaves

FBar = Flatbar Astragal (does not affect the required NFPA80 required meeting edge gap of 1/8", max 3/16"; figure your meeting edge gap as if the flatbar astragal is not included).

- Astragals and gasketing may affect your clear opening width measurement. Zero

- Gasketing is not ordered/shipped through Steelcraft at this time.

Door Undercut:

3/8" standard used with Concealed Vertical Rods
3/4" standard used with Mortise Locks
Under 3/8" priced as next larger size

Screw-in Top/Bottom Caps:

Blank (no caps)

T = Top Caps
T/B = Top and Bottom Caps

Door Material:

CRS = Cold Rolled Steel

A60 = Galvannealed A-60
G90 = Galvanized G-90 (max 3'8 wide)

Door Finish:

Prime only (standard)

Finish paint color - see Steelcraft.com Resources > Finish Colors (enter color code)

Graintech stain color - see Steelcraft.com Resources > Graintech Doors

- G1 (Walnut)
- G2 (Mahogany)
- G3 (Maple)
- G4 (Oak)
- G5 (Ash)
- G6 (Birch)
- G7 (Prime Only)

UL Label -- Door Fire/Smoke Label choices:

NOTE: Astragal and gasketing not shown on drawings. Addition of Astragal and/or gasketing may affect clear opening width.

Blank = no label

ULA (3hr), ULB (90min), UL1 (60min), ULC (45min), ULS (20min), ULS (used for smoke label)

L Door Notes:

D (Double egress, LBR or Top/Bottom Rod) 94/9547

- max 90min without astragal up to 8' tall
- max 3hr with astragal up to 8' tall
- max 90min with astragal up to 9' tall

P (Pairs, same swing, LBR or Top/Bottom Rod) 94/9547

- max 90min up to 10' tall

S (Single) mortise 94/9575

- max 3hr up to 10' tall

FBC E330 Storm Label:

Blank = no label

E330 = FBC E330 Non-impact single flush and single glazed opening

Notes:

94/9547 requires top 338 strike and bottom 304L strike

- No LBR
- Not available in single louver applications

94/9575 requires 575 strike

94/9548 not listed

VON DUPRIN EXIT

Exit Device Type: 94 Series- smooth, 95 Series -grooved, F=Fire rated if label is chosen

9447 T/B = Concealed Vertical Rods with top & bottom rods

9447 LBR = Concealed Vertical Rods, less bottom rod (std option)

9448 T/B = Concealed Vertical Rods with top & bottom rods

9448 LBR = Concealed Vertical Rods, less bottom rod

9475 = Mortise Exit

Notes:

- 1) 94 = smooth exit bar face. Replace "94" above with "95" above for grooved texture exit face)
- 2) -48 sim to -47 but uses longer latchbolt rod & special floor clearances;
3/4" vs 1/2" latchbolt for larger gaps

Exit Functions: EO=Exit only, DT=Dummy trim, L=Lever, NL=Night latch, TL=Turn lever, BE=Blank escutcheon

94/9547 Functions: **EO**, DT, L, L-BE, L-DT, TL, TL-BE, TL-OP

94/9548 Functions: **EO**, DT, L, L-BE, L-DT, TL, TL-BE, TL-OP

94/9575 Functions: **EO**, DT, L, L-BE, L-DT, NL

(NL for -47 and -48 orders use L, field convert to NL)

Specify Lever Style if applicable:

Standard Lever options: 01, 02, 03, 05, **06** (std), 07, 12 (handed), 16, 17, 18

ACC: Accent (handed)

AST: Asti (handed)

MER: Merano (handed)

LAT: Latitude

LON: Longitude

Knurled Levers: 03K, 06K, M81K

M Collection Lever: M51, M52, M53, M54, M55, M56, M61 (handed), M63 (handed), M81, M82, M83, M84, M85 (handed), ME1, ME2, ME3

Stainless Steel Levers: 03SS, 06SS, 17SS, LATSS, LONSS, M57, M62 (handed)

Exit Hardware Finishes:

605 (US3) Bright Brass

625 (US26) Polished Chrome

606 (US4) Satin Brass

612 (US10) Satin Bronze

626 (US26D) Satin Chrome

628 (US28) Anodized Aluminum

710 (313AN) Duranodic Dark Bronze

626D-AM (US26D-AM) Satin Chrome Antimicrobial

AX = ADA 5lb opening force, top/bottom rod only

LCN CLOSERS

Closers (full width closer reinf standard)

- 4000T Wall-mounted Closer
 - 4003T for 36"-42" door width
 - 4004T for >42"-48" door width
- 4040XP R w/PA Door-mounted Closer

NOTE: No closer choice: All INpact Doors are provided with full width closer reinforcement, so you may leave this field blank if you are using a closer or template other than one shown here that you know will work for your opening. In that case you would order the closer directly from LCN, and the system set drawings will not be applicable (you will need to recalculate details such as door width, wall construction and other details which may need updated).

Closer Finishes:

- 689 Aluminum
- 690 Statuary Dark Bronze
- 691 Light Bronze
- 692 Tan
- 693 Black
- 695 Dark Bronze
- 696 Brass

Closer cover:

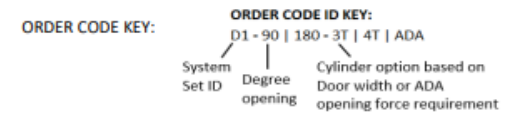
- STD** (Standard Plastic cover)
- M = Metal cover (handed)

Screw package options:

	4000T	4040XP
MTBMS - Metric Metal TB Machine Screws (for metal covers only)	X	X
MWMS - Metric Metal & Wood Screws (for metal covers only)	X	X
SRT - Self Reaming & Tapping	N/A	STD
TBSRT - TB & TORX Machine Screws (N/A 4000T)	N/A	X
TBTRX - Thrubolt & TORX Machine	X	X
TBWMS - Thrubolt & TORX Wood & Machine	X	X
TORX - Torx Machine Screws	X	X
WMS - Wood & Machine Screws	STD	X

Closer Template Order Code (e.g. D1-90-3T) to ensure proper closer setup from LCN

-- Refer to Steelcraft INPACT website & tech data for Application System Set drawing details and downloads --
<https://www.steelcraft.com/en/products/steel-doors/inpact-series-hospital-doors.html>
Any changes to the system set assembly as shown in drawing layouts will require recalculating the assembly dimensions and wall details



- Table of sizes**
- Select closer based on width of door
 - 4000T Series cylinders available in size 3 or 4
 - Closing power of 4000T Series closers is not adjustable



INSTRUCTIONS: Select the Order Code required for your application

- Order code describes (1) system set ID# - (2) degree opening - (3) closer option
- System set letter describes opening as D = Double egress -- P = Pair, same swing -- S = Single opening
 - System set number after D, P, or S describes the system set drawing to refer to (see downloads on INPACT website for drawings)
 - Choose 90 or 180 based on your degree of door opening
 - Choose 3T for 4003T 36"-42" wide doors; Choose 4T for 4004T >42"-48" wide doors. These are non-ADA (strong closing force).
 - Choose ADA option for lower opening force (also affects closing force so align with architect, especially if fire rated, see ADA note)
 - Choose code option not ending in 3T, 4T, or ADA to use 4040XP PA door mounted closer

CLOSER TEMPLATE ORDER CODE	Closer Template (ST=Special Template) model x locating template x ADA cylinder	ADDITIONAL INFORMATION				
		Template Notes	Frame Series	Opening	IVES Hinge	Hinge Pivot to Closer Pivot
D1-90-3T	4003T x ST2794	8 3/4" max JD, butt hinges	FE	90x90	700 or contin/butt with same pivot point	11 1/4"
D1-90-4T	4004T x ST2794	8 3/4" max JD, butt hinges	FE	90x90	700 or contin/butt with same pivot point	11 1/4"
D1-90-ADA	4003T x ST2794 X ST2967	8 3/4" max JD, butt hinges	FE	90x90	700 or contin/butt with same pivot point	11 1/4"
*D1-90	4040XP Rw/PA w/180 STD PA TEMPLATE	Standard template 4040XP	FE	90x90	700 or contin/butt with same pivot point	Std template 4040XP
D2-90-3T	4003T x ST3582	7 5/8" max JD, swing clear	FE Special profile	90x90	711BSC or swing clear with same pivot point	10 5/8"
D2-90-4T	4004T x ST3582	7 5/8" max JD, swing clear	FE Special profile	90x90	711BSC or swing clear with same pivot point	10 5/8"
D2-90-ADA	4003T x ST3582 x ST2967	7 5/8" max JD, swing clear	FE Special profile	90x90	711BSC or swing clear with same pivot point	10 5/8"
D3-90-3T	4003T x ST2376	7 5/8" max JD, pocket pivot	FE Special profile	90x90	91105F pocket pivot or same pivot point	12"
D3-90-4T	4004T x ST2376	7 5/8" max JD, pocket pivot	FE Special profile	90x90	91105F pocket pivot or same pivot point	12"
**D3-90-ADA	4003T x ST2376 x ST2967	**6" JD, pocket pivot	FE Special profile	90x90	91105F pocket pivot or same pivot point	**11 1/4"
D4-90-3T	4003T x ST2794 (leaf 1)	8-3/4" max JD, butt hinges	FE	90x180	700 or contin/butt with same pivot point	11 1/4"
D4-90-4T	4004T x ST2794 (leaf 1)	8-3/4" max JD, butt hinges	FE	90x180	700 or contin/butt with same pivot point	11 1/4"
D4-90-ADA	4003T x ST2794 x ST2967 (leaf 1)	8-3/4" max JD, butt hinges	FE	90x180	700 or contin/butt with same pivot point	11 1/4"
D4-180	4040XP Rw/PA X ST2575 (leaf 2)	Spec. long arm for 7" hinge	FE	90x180	040XY wide throw continuous hinge	Standard template 4040XP
D4-180-EDA	4040XP EDA X ST2481 (leaf 2)	Spec. long arm for 7" hinge	FE	90x180	040XY wide Throw Hinge Continuous	Standard template 4040XP
P1-90-3T	4003T STD TEMPLATE		F	90x90	711BSC or swing clear with same pivot point	8"
P1-90-4T	4004T STD TEMPLATE		F	90x90	711BSC or swing clear with same pivot point	8"
P1-90-ADA	4003T x ST2967		F	90x90	711BSC or swing clear with same pivot point	8"
P2-90-3T	4003T STD TEMPLATE		F	90x90	91105F Pocket pivot	9 1/2"
P2-90-4T	4004T STD TEMPLATE		F	90x90	91105F Pocket pivot	9 1/2"
P2-90-ADA	4003T x ST2967		F	90x90	91105F Pocket pivot	9 1/2"
P3-180	4040XP Rw/PA w/180 STD PA TEMPLATE		F	180x180	700 or contin/butt with same pivot point	Std template 4040XP
P4-180	4040XP Rw/PA w/180 STD PA TEMPLATE		F	180x180	711BSC or swing clear with same pivot point	Standard template 4040XP
S1-90-3T	4003T STD TEMPLATE		F	90x90	700 or contin/butt with same pivot point	8"
S1-90-4T	4004T STD TEMPLATE		F	90x90	700 or contin/butt with same pivot point	8"
S1-90-ADA	4003T x ST2967		F	90x90	700 or contin/butt with same pivot point	8"
S2-90-3T	4003T STD TEMPLATE		F	90x90	711BSC or swing clear with same pivot point	8"
S2-90-4T	4004T STD TEMPLATE		F	90x90	711BSC or swing clear with same pivot point	8"
S2-90-ADA	4003T x ST2967		F	90x90	711BSC or swing clear with same pivot point	8"
S3-180	4040XP Rw/PA w/180 STD PA TEMPLATE		F	180x180	700 or contin/butt with same pivot point	Std template 4040XP
S4-180	4040XP Rw/PA w/180 STD PA TEMPLATE		F	180x180	711BSC or swing clear with same pivot point	Standard template 4040XP

NOTES:

- 1) The assembly drawings are designed to use 7-1/8" JD to allow rated walls. **Exception: D3-90-ADA 6"JD max
- 2) ADA options use an adjustable cylinder and have less closing force which must be field adjusted to close door (see tech data).
- 3) Reference your local ADA and Fire Rating requirements. Consult with your Architect or local AHJ before ordering.
- 4) Selecting The system set in this order form only affects The closer and does not override anything else in this order (e.g. hinge)

* D1-90 is not supported with a drawing, but a 4040XP for double egress and butt hinge may be chosen by selecting P3-180 closer code. All INPact doors are supplied with full width closer reinforcements. Keep in mind changes to the provided drawings/dims caused by this or other substituted hardware.

MAGNETIC HOLDER

Mag Holder Finishes:

689 Aluminum

695 Dark Bronze

IVES HINGES

Hinges & Pivots (field install):

Note: Your choice of hinge will automatically provide the correct door width (downsized as needed) for your opening. If you require a hinge not shown below, you cannot order the INpact system installed and must order the door prep-only (L or T series) and all hardware directly from Allegion hardware brands.

FULL MORTISE CONTINUOUS HINGES (reinforced)

- Stainless Pin & Barrel
700: Full mortise ; 711BSC: Beveled Swing Clear
- Aluminum Geared HD
224HD: Full mortise (installed)
- Aluminum Geared XY
224XY: Full Mortise ; 040XY: Wide Throw ; 041XY: Swing Clear

POCKET PIVOT HINGES

- 91105F: Pocket Pivot

ARCHITECTURAL BALL BEARING HINGES

- 5BB1HW 4.5x4.5: 4 1/2" Heavyweight butt hinges
- 5BB1HW 5x4.5: 5" Heavyweight butt hinges
- 5BB1HWBSC 4.5": 4.5" Heavyweight Swing clear butt hinges
- 5BB1HWBSC 5": 5" Heavyweight Swing clear butt hinges

Hinge Finishes:

700 OR 711BSC Stainless:	630 Satin		
224HD Aluminum anodized:	628 Satin	710 Dk Bronze	
224XY Aluminum anodized:	628 Satin	710 Dk Bronze	711 Black
040XY Aluminum anodized:	628 Satin	710 Dk Bronze	711 Black
041XY Aluminum anodized:	628 Satin	710 Dk Bronze	711 Black

91105F Stainless: 630 Satin

	<u>Stainless base</u>	<u>Steel base</u>	<u>Brass base</u>
5BB1HW 4.5":	630 Satin	652 Satin Chrome	626 Satin Chrome
5BB1HW 5":	630 Satin	652 Satin Chrome	626 Satin Chrome
5BB1HWBSC 4.5":	630 Satin	652 Satin Chrome	
5BB1HWBSC 5":	630 Satin	652 Satin Chrome	

Screw Packages and Hospital Tip Options:

STD = Standard Screws

SECHM = Security Screws (option for all continuous hinges)

TF = Thread Forming (option for all aluminum geared continuous hinges)

SEC = Security Screws (option for all Architectural hinges)

Optional add HT = Hospital Tip (pin & barrel and architectural hinges only)

ELECTRICAL OPTIONS

LX / QEL / QEL LX:

LX = Request to Exit

QEL = Quiet Electric Latch Retraction

QEL RX = Both functions

EPT = EPT prep for continuous hinge:

Available only with

700, 224HD, 224XY

Power Transfers:

2 = EPT2

10 = EPT10

(same door prep)

Power Transfer Finishes:

689/SP28 Aluminum painted

695/SP313 Dark Bronze painted