



COMMUNICATIONS FOR TODAY ... AND TOMORROW.

# Tek-ENTRY® Apartment Entry Systems

## Submittal Package

as of 12/14/2022

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### Features

- Hands-free loud-speaking
- Weather-resistant Mylar speaker
- Self-wiping push-button switches
- Decorative end caps
- Individually replaceable name holders
- Slim-line surface-mount option
- Simple installation

### Description

The AM612-series Entrance Panel is for use with TekTone® loud-speaker type suite stations.

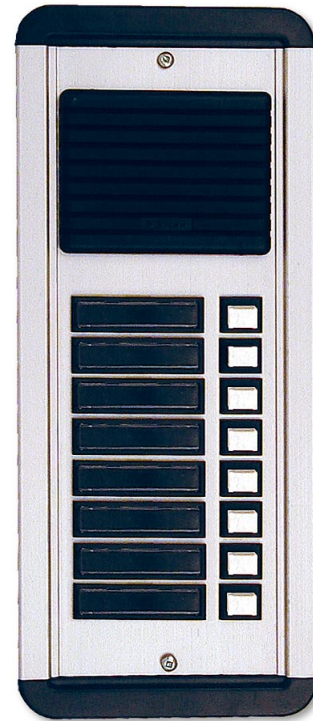
Panels are equipped with a weather-resistant Mylar speaker protected by a black flame retardant polycarbonate plastic grill.

The anodized aluminum panel is available in two sizes. The 4.75" × 11.25" panel accommodates from 2 to 8 push buttons, and the 4.75" × 17.25" panel is used for applications requiring from 10 to 16 push buttons.

The speaker panel can accommodate up to 16 push buttons. In addition, the panel also contains up to 16 name holders with plastic lenses that snap easily into the panel and are individually replaceable.

### Specifications

|                |  |
|----------------|--|
| Dimensions:    | 11.25"H or 17.25"H × 4.75"W<br>(285 mm or 438 mm × 120 mm)         |
| Speaker:       | 2.5" (64 mm) voice frequency response                              |
| Push Button:   | Individually replaceable with self-wiping contacts                 |
| Construction:  | Anodized extruded aluminum panel                                   |
| Housings:      | OH600 Back Box for 2-8 buttons<br>OH601 Back Box for 10-16 buttons |
| Surface mount: | Add "S" to panel part number (example: AM612/08S)                  |
| Name holders:  | 2.125" × 1.0625"   |



AM612-series Entrance Panel

### Required Components

IR100-series or IR200-series Apartment Stations  
PK543A Apartment Intercom Amplifier  
SS102A Transformer  
OH600 or OH601 Back Box (for flush mounted models)

### Features

- Flush mounting
- Simple, push-button operation
- Easy installation
- Advanced design
- Automatic privacy
- Clear voice quality
- Precision-engineered for reliability
- English text, international symbols and Braille

### Description

The IR103E, IR104E and IR105E Apartment Intercom Stations combine modern styling with ease of operation to provide natural, clear voice communication and positive door-release operation.

The stations are equipped with momentary-action push buttons for talk, listen and door operation. The attractive, flame retardant ABS plastic faceplates are flush mounted and blend with any setting. The advanced circuitry and versatility permit use in large or small buildings, with one or several entrances.

Wiring is just 2 common and 1 selective wires for the IR103E station; 3 common and 1 selective wires for the IR104E station; and 4 common and 1 selective wires for the IR105E station. Connections are screw terminals.

A wide variety of optional accessories is available to provide additional functions, such as multiple entrance operation and post office door release.

### Specifications

|              |   |
|--------------|---|
| Dimensions:  | 6.87"H × 5"W × 1.25"D<br>(175 mm × 127 mm × 32 mm)  |
| Finish:      | Flame retardant ABS plastic   |
| Controls     | Individually replaceable push-buttons with self-wiping contacts. Identified for talk, listen and door functions |
| Speaker/Mic: | 2.5" (63 mm) with voice response. Also used for electronic tone signal  |
| Connection:  | Screw terminals   |
| Housings:    | IH103 mounting plate or IH101 box   |



IR103E, IR104E, IR105E

### Required Components

AM/CM-series Entrance Panels  
PK543A Apartment Intercom Amplifier  
SS-series Transformers

### Features

- Surface mounted
- Simple, push-button operation
- Easy installation
- Advanced design
- Automatic privacy
- Clear voice quality
- Precision-engineered for reliability
- English text, international symbols and Braille

### Description

The IR203E, IR204E, IR205E Apartment Intercom Stations combine modern styling with ease of operation to provide natural, clear voice communication and positive door-release operation.

The stations are equipped with momentary-action push buttons for talk, listen and door operation. The attractive flame retardant ABS plastic faceplates are surface mounted, and blend with any setting. The advanced circuitry and versatility permit use in large or small buildings, with one or several entrances.

Wiring is just 2 common and 1 selective wires for the IR203E station; 3 common and 1 selective wires for the IR204E station; and 4 common and 1 selective wires for the IR205E station. Connections are screw terminals.

A wide variety of optional accessories is available to provide additional functions, such as multiple entrance operation and post office door release.

### Specifications

|              |   |
|--------------|---|
| Dimensions:  | 6.87"H × 5"W × 1.25"D<br>(175 mm × 127 mm × 32 mm)  |
| Finish:      | Flame retardant ABS plastic   |
| Controls     | Individually replaceable push-buttons with self-wiping contacts. Identified for talk, listen and door functions |
| Speaker/Mic: | 2.5" (63 mm) with voice response. Also used for electronic tone signal  |
| Connection:  | Screw terminals   |
| Housings:    | IH103 mounting plate or IH101 box   |



IR203E, IR204E, IR205E

### Required Components

AM/CM-series Entrance Panels  
PK543A Apartment Intercom Amplifier  
SS-series Transformers



### Features

- Simple, push-button operation
- Easy installation
- Advanced design
- Automatic privacy
- Clear voice quality
- Rugged and reliable

### Description

The IR207B 4-Wire Apartment Station is a rugged, dependable unit combined with advanced electronic design to provide natural, clear voice communication and positive door release operation. This versatile station may be used in large or small buildings and feature a wide variety of optional accessories to provide needed additional functions, such as multiple entrance, post office door release, timed door release operation, etc.

### Specifications

|              |  |
|--------------|--|
| Dimensions:  | 4.5"H × 4.5"W<br>(115 mm × 115 mm)   |
| Finish:      | Satin brushed stainless steel  |
| Controls:    | Individually replaceable push buttons with self-wiping contacts. Identified for talk, listen and door functions. |
| Speaker/Mic: | 45 ohms, 2.5" × 2.5"   |
| Connections: | Screw terminals  |
| Housing:     | Standard dual-gang electrical box  |
| Wiring       | 3 common and 1 selective   |



IR207B 4-Wire Apartment Station

### Required Components

PK543A Apartment Intercom Amplifier  
PO001 Electric Door Release  
CM192 or AM192 Entrance Panel  
SS102A Transformer

### Features

- Simple connections to pre-mounted circuitry
- Flame retardant (UL® 94V-0) plastic housing
- Meets ADA and UL® 1971 requirements

### Description

The LI404B Strobe is a high-intensity remote visual signaling device for use with TekTone® Tek-ENTRY® Apartment Entry Systems that use either the PK543A Apartment Intercom Amplifier or the PK205 Amplifier/Relay/Power Supply.

The unit is primarily for use in locations where hearing-impaired persons require supplemental call notification, but can be used anywhere a visual indication of an incoming call is desired. The bright strobe light flashes for approximately 15–20 seconds when an incoming call is detected.

The device can be installed in most standard single- or dual-gang electrical boxes or similar indoor openings. It is not a weatherproof device and therefore should not be used for any outdoor applications. Installation is facilitated by the use of simple connections to the pre-mounted circuitry and a complement of mounting hardware. The LI404B Strobe portion meets ADA and UL® 1971 requirements.

### Specifications

|               |  |
|---------------|--|
| Dimensions:   | 5.5"H × 4.5"W × 3.5"D<br>(140 mm × 114 mm × 89 mm) |
| Construction: | Flame retardant (UL® 94V-0) plastic housing        |
| Strobe:       | 15 candela per UL® 1971                            |
| Power:        | 24 VDC, 57 mA DC nominal                           |
| Wiring:       | 18 gauge minimum, 750' maximum                     |
| Installation: | Standard single- or dual-gang box                  |



LI404B Strobe

### Required Components

Tek-ENTRY® Apartment Entry System  
PK543A Apartment Intercom Amplifier  
To power locally (retrofit or standalone installations), add:  
PK601A 24 VDC Power Supply  
SS106 Transformer

or

Tek-ENTRY® Apartment Entry System  
PK205 Amplifier/Relay/Power Supply  
PK601A 24 VDC Power Supply  
SS106 Transformer

### Features

- Low voltage operation
- Reliable alternate power supply
- Integrated circuit design
- Easy installation

### Description

The PK124K Battery Backup Kit provides continuous battery charging so that if power to system equipment is interrupted, standby operating power is provided for up to approximately 6 hours. (Time may vary depending on system size and usage.)

The PK124K kit includes a transformer, a battery charger and two batteries—all preinstalled in a 19-gauge cold-rolled steel housing. Knockouts are included on all sides except the lid, to allow connection of electrical conduit from any direction. In addition, the lid has a knockout which can be used to install an optional key lock. The enclosed single-gang electrical junction box is galvanized steel with a stainless steel cover plate.

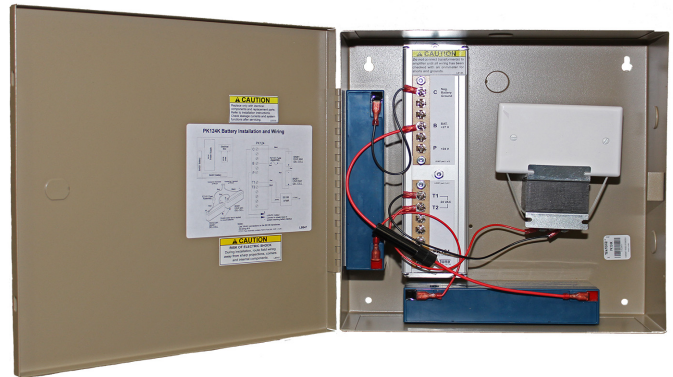
TekTone systems supported by the PK124K include the DS100 Door Sentry & Emergency Alarm System, the CM800 Emergency Call System, Tek-ENTRY® Apartment Entry Systems, and the Tek-SAFE® Area of Rescue Assistance System.

### Required Components

CM800 Emergency Call System  
DS100 Door Sentry & Emergency Alarm System  
Tek-ENTRY® Apartment Entry Systems  
—or—  
Tek-SAFE® Area of Rescue Assistance System

### Optional Components

Mier BW3000 Offset Cam Lock, or equivalent



PK124K Battery Backup Kit

### Specifications

|               |   |
|---------------|---|
| Dimensions:   | 11.75"H × 11.75"W × 3.75"D<br>(300 mm × 300 mm × 96 mm) |
| Connections:  | Screw terminals (on PK124)                              |
| Construction: | 19 gauge, cold-rolled steel                             |
| Transformer:  | 24 VAC, 30 VA (SS106)                                   |
| Storage:      | Two 12 VDC batteries (BA001)                            |
| Mounting:     | Surface   |

### Features

- Provides access control to multiple entrances on one apartment entry system
- Use with PK543A speaker systems or PK205 hand-set systems
- Transfers both door release function and audio between entrance panels
- Powered by the intercom system amplifier
- Polarized plug-in color-coded pigtailed connector
- Built-in test circuit with LED display
- Surface mounted
- Small footprint

### Description

The TekTone® PK502B Dual Entrance Control Unit provides a means to transfer apartment intercom panel and door release operations between more than one entrance. Pressing a call button on an entrance panel automatically transfers the voice and door release functions to that entrance. All PK502B control units are located at the amplifier location and do not need to be spread out.

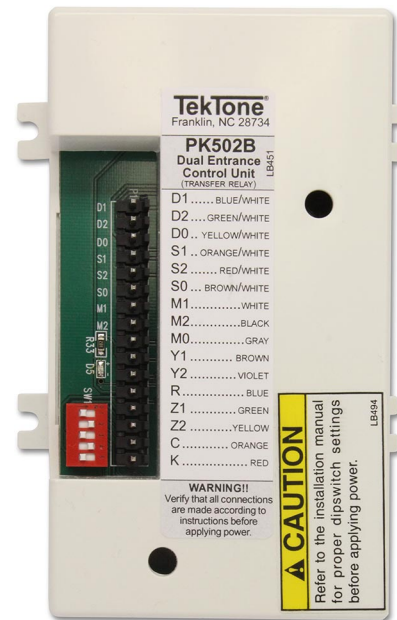
### Specifications

Dimensions: 5.5"H × 3.125"W × 2"D  
(140 mm × 80 mm × 51 mm)

Construction: Flame retardant (UL® 94V-0) plastic housing

Connections: Polarized plug-in type

Mounting: Surface mount



PK502B Dual Entrance Control Unit

### Required Components

PK543A Apartment Intercom Amplifier  
or  
PK205 Amplifier/Relay/Power Supply

### Features

- Easy installation
- Low-voltage operation
- Multiple applications
- Precision engineering

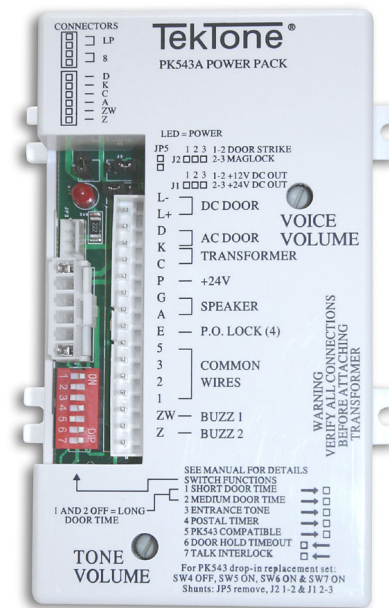
### Description

The PK543A Apartment Intercom Amplifier is a self-contained unit that does not require an external amplifier. The PK543A is designed for use with 3-, 4- or 5-wire apartment remote stations and provides amplification, control and power circuits needed to operate a complete apartment intercom system. Voice volume control and tone volume control are easily adjustable through the screwdriver opening on the front panel.

Additional functions include multiple door entrance operation with the PK502B; AC, DC or Maglock configurations with three selectable delayed door timing modes; post office door lock release; steady or warble call tones; power LED; selectable door button hold timeout; and selectable talk before door interlock (available for 4-wire stations only).

### Specifications

|                |  |
|----------------|--|
| Dimensions:    | 5.5"H × 3.125"W × 2"D<br>(140 mm × 80 mm × 51 mm)  |
| Construction:  | Flame retardant (UL® 94V-0) plastic  |
| Amplification: | Integrated Circuit amplifier including amplifier with frequency response, adjusted for ideal voice quality |
| Call Tone:     | Integrated circuit oscillator with steady and warble modes   |
| Door Release:  | AC, DC or Maglock (12 VDC/24 VDC)  |
| Controls:      | Voice Volume, Tone Volume and DIP switches for selectable modes  |
| Connections:   | Polarized plug-in type   |
| Power:         | 16 VAC, 10 VA  |
| Mounting:      | Surface mount  |



PK543A Apartment Intercom Amplifier  
for 5-, 4-, 3-Wire Remote Stations

### Required Components

AM-series or CM-series Entrance Panels  
IR-series Remote Stations  
SS102A or SS106 Transformers



### Features

- Easy installation
- Low voltage operation
- Multiple applications
- Precision engineering

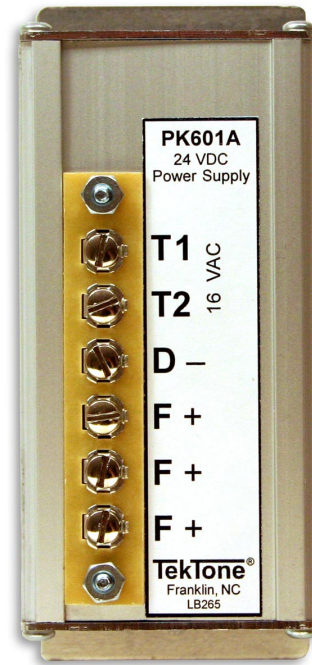
### Description

The PK601A is a 24 VDC power supply designed to power auxiliary signaling devices used in TekTone emergency call systems. The unit provides a filtered 24 VDC output rated at 1 amp.

Although specifically designed for use with emergency call systems, the PK601A may also be used as a DC silent door opener adapter in TekTone apartment entrance systems.

### Specifications

|                 |   |
|-----------------|---|
| Dimensions:     | 5"H × 2.37"W × 2.25"D<br>(127 mm × 60 mm × 57 mm)   |
| Construction:   | Quality electronic components mounted on a PC board encased in a rugged extruded aluminum housing |
| Connections:    | Screw terminals   |
| Mounting:       | Surface   |
| Output voltage: | 24 VDC  |
| Output Current: | 1 Amp   |
| Power:          | 16 VAC, 30 VA   |



PK601A 24 VDC Power Supply

### Suggested Uses

Tek-CARE® 500 Wireless Nurse Call System  
NC50xES-series Remote Receiver  
LI381, LI382 or LI382LED Dome Lights

CM800 Emergency Call System  
BE007 DC Corridor Bell  
PK612A Lamp Flasher

Tek-ENTRY Apartment Entry System  
LI404B Strobe  
PK205 Intercom Amplifier





SS102A



SS106

## SS102A and SS106 Transformers

### Transformer Features

TekTone's SS102A and SS106 Class 2 Transformers offer compact, easy-to-install low voltage AC power sources for use with various TekTone® intercom systems. Both transformers are UL® Listed Class 2 transformers and will safely take themselves offline when overheated.

The transformers are constructed for easy surface installation or in a standard 1/2" knockout, and may be used in plastic or metal boxes. Primary wire connections are made using the pre-stripped pigtailed and ground wire; secondary connections are made using screw terminals.

### Specifications

|         |   |
|---------|---|
| SS102A: | 120 VAC primary, 16 VAC 10 VA secondary                   |
| SS106:  | 120 VAC primary, 8 VAC 20 VA 16/24 VAC<br>30 VA secondary |



PO001 Electric Door Opener

### Electric Door Opener Features

TekTone's PO001 Electric Door Opener is for use in unlocking and locking doors from a variety of TekTone remote stations. The door opener can be installed in place of the door lock, or on a door jamb with various door lock sets.

The PO001 is a normally locked type with heavy duty coils, and operates on 8-16 VAC or 3-6 VDC. The unit features a flat face with satin zinc finish and solid brass locking latch for long wear. The PO001 is reversible for mortise-type locks and latches up to 1/2" width and throw, and is ideal for most narrow jamb mortise-type installations. Depending on the specific job requirements, the PO001 can be reversed for right or left-hand door installation.

### Dimensions

|                |  |
|----------------|--|
| Faceplate:     | 1.25"H × 5.875"W<br>(31.8 mm × 149 mm) |
| Case width:    | 0.9375"<br>(24 mm)                     |
| Case depth:    | 1.4375"<br>(35 mm)                     |
| Latch opening: | 1.375"<br>(35 mm)                      |

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### Features

- Flame retardant ABS plastic end caps
- Provides postal lock installation of door release devices

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### Description

The PO101S Postal Door Release provides for postal lock installation and microswitch control of door release devices. It is constructed of a rugged aluminum panel with durable, flame retardant ABS plastic endcaps. The extrusion design provides sufficient depth to make the panel surface mountable with no additional housing required. A gasket is also attached to the rear surface to increase the station's resistance to weather exposure.

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### Specifications

|               |  |
|---------------|--|
| Dimensions:   | 7.25"H × 4.9"W × 1.5"D<br>(184 mm × 125 mm × 38 mm)                              |
| Construction: | Rugged extruded aluminum panel with durable, flame retardant ABS plastic endcaps |
| Finish:       | Brushed aluminum   |



PO101S Postal Door Release

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### Required Components

Tek-ENTRY® Apartment Entry System  
or  
Tek-ENTRY® Vandal-Resistant Entry System

**NOTES:**

1. For SF-series emergency switches, use single-gang ring, or single-gang ring and dual-gang box.
2. For LI-series dome lights, use dual-gang ring (or dual-gang ring and box).
3. For AM- and CM-series apartment panels, see specification sheets.
4. For IR300-series nurse call stations, use Steel City #3GC and #H3BD or exact equivalent.
5. For IR150B-series, use Steel City #3GC and #H3BD. If space is limited, use ARC-CO #2GBD and #3GC.
6. For IR150SS Station, use OH600 flush housing mounted horizontally.
7. The last two digits of frame and housing model numbers indicate the number of gangs (i.e., panel capacity). Exceptions: IH101, IH103, OH600, OH601.
8. Attach the IH103 mounting plate to a finished wall, single-gang box, dual-gang box or square masonry box.

| Model # | IH101 back box (flush)                | IH103 plate (flush) |
|---------|---------------------------------------|---------------------|
| IR103E  | ×                                     | ×                   |
| IR104E  | ×                                     | ×                   |
| IR105E  | ×                                     | ×                   |
| IR203E  |                                       | ×                   |
| IR204E  |                                       | ×                   |
| IR205E  |                                       | ×                   |
| IR207B  | use standard dual-gang electrical box |                     |

**Dimension and Finish Chart—Housings and Frames**

| Flush Mount Housings |               |                   |                |                    |               |
|----------------------|---------------|-------------------|----------------|--------------------|---------------|
| Model#               | Overall Width | Wall Cutout Width | Overall Height | Wall Cutout Height | Overall Depth |
| IH101                | 4"            | 4-1/4"            | 5-1/2"         | 5-3/4"             | 1-3/4"        |
| IH103                | 4-9/16"       | n/a               | 5-7/8"         | n/a                | 1/16"         |
| OH150                | 5-1/4"        | 4-1/2"            | 12-5/8"        | 11-5/8"            | 3-3/4"        |
| OH191                | 4-3/8"        | 4-1/2"            | 17-1/8"        | 17-1/4"            | 3-1/2"        |
| OH192                | 8-3/8"        | 8-1/2"            | 17-1/8"        | 17-1/4"            | 3-1/2"        |
| OH193                | 12-3/8"       | 12-1/2"           | 17-1/8"        | 17-1/4"            | 3-1/2"        |
| OH194                | 16-3/8"       | 16-1/2"           | 17-1/8"        | 17-1/4"            | 3-1/2"        |
| OH201                | 5-3/8"        | 4-1/2"            | 16-7/8"        | 16-1/4"            | 3-7/8"        |
| OH202                | 9-3/8"        | 8-1/2"            | 16-7/8"        | 16-1/4"            | 3-7/8"        |
| OH203                | 13-3/8"       | 12-1/2"           | 16-7/8"        | 16-1/4"            | 3-7/8"        |
| OH204                | 17-3/8"       | 16-1/2"           | 16-7/8"        | 16-1/4"            | 3-7/8"        |
| OH600                | 4"            | 4-1/4"            | 10-3/16"       | 10-3/8"            | 1-13/16"      |
| OH601                | 4"            | 4-1/4"            | 16-1/16"       | 16-1/4"            | 1-13/16"      |

| Flush Mount Frames |         |                   |
|--------------------|---------|-------------------|
| Model #            | Width   | Wall Cutout       |
| OF191              | 6-1/4"  | -                 |
| OF192              | 10-1/4" | -                 |
| OF193              | 14-1/4" | -                 |
| OF194              | 18-1/4" | -                 |
|                    | Height: | 19" (overall)     |
|                    | Depth:  | 7/8"              |
| OF201              | 6-1/4"  | 4-1/2"            |
| OF202              | 10-1/4" | 8-1/2"            |
| OF203              | 14-1/4" | 12-1/2"           |
| OF204              | 18-1/4" | 16-1/2"           |
|                    | Height: | 17-3/4" (overall) |
|                    | Cutout: | 15-7/8"           |
|                    | Depth:  | 2-1/2"            |

| Surface Mount Frames |         |        |        |
|----------------------|---------|--------|--------|
| Model #              | Width   | Height | Depth  |
| OF191S               | 6-1/4"  | 19"    | 2-1/4" |
| OF192S               | 10-1/4" | 19"    | 2-1/4" |
| OF193S               | 14-1/4" | 19"    | 2-1/4" |
| OF194S               | 18-1/4" | 19"    | 2-1/4" |
| OF195S               | 22-1/4" | 19"    | 2-1/4" |