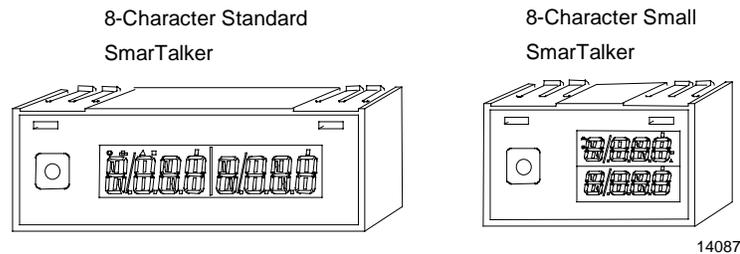


# SmarTalker and Rail Installation

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## SmarTalkers

There are two types of SmarTalkers; the 8-character standard tag and the 8-character small tag as shown in the following illustration.



This section provides information about:

- Attaching the rails and/or clips
- Attaching the SmarTalker tags

## Attaching the Rail

### Key Points

When installing a shelf rail, keep in mind that the angle the SmarTalker will be viewed at is very important. Your completed installation should provide the best combination of visibility and lack of glare.

The following table provides optimum viewing angles for SmarTalker tags. The angles are based on an average person's eye height of 1.59 m (62.6 in.) and average shelf-viewing distance of .91 m (36 in.).

Shelf Height (in.)	Optimum Angle Up (+) or Down (-) from Vertical
6.0	+57.0
12.0	+54.2
18.0	+51.0
24.0	+47.2
30.0	+42.7
36.0	+37.3
42.0	+30.9
48.0	+23.4
54.0	+14.8
60.0	+5.4
66.0	-4.2
72.0	-13.3
78.0	-21.5
84.0	-28.6

#### *Tools for Each Installer*

Tape Measure, minimum length 25 ft.	1
Large, wide-blade flat-head screwdriver with round (not square shank)	1
EPL Puller (removal tool) for SmarTalker tags, NCR Kit # 7710-K298-V001 (5 per kit)	1
16 oz. Metal carpenter's claw hammer (for hammering shelf rail pins) or fencing tool (an integrated hammer with nail pulling pliers)	1
Nail pulling pliers or "nippers" (for shelf pin removal)	1
Cloth or leather tool pouch with multiple pockets (for holding small shelf rail parts)	1
Knee Pads	1 pair

***Site Installation Tools***

Band saw* or Hacksaw (not a wood saw)	1
Miter Box (for use with hacksaw)	1
Utility Knife (for cleaning cut ends of shelf rails)	1

***Tools Per Store (for On-Going Maintenance)***

Band saw* or Hacksaw (not a wood saw)	1
Miter Box (for use with hacksaw)	1
Utility Knife	1
Large, wide-blade flat-head screwdriver with round (not square) shank	1
EPL Puller (removal tool) for SmarTalker tags, NCR Kit # 7710-K298-V001 (5 per kit)	2 kits
16 oz. Metal carpenter's claw hammer	1

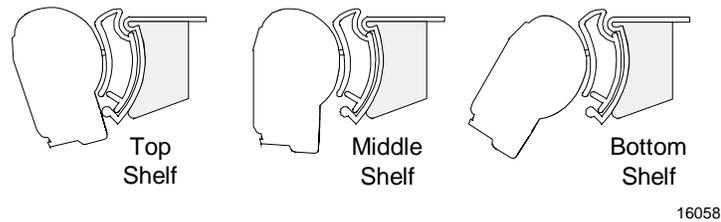
\* A band saw is easier to use, but a hacksaw can be used instead.

## Attaching SmarTalkers to C-channels

A SmarTalker can be installed into a rail that is installed into a shelf's C-channel. The rail may be either a fixed-angle rail or an adjustable-angle rail.

To install a rail into a shelf's C-channel, insert the bottom lip of the rail into the C-channel and press the top lip into the top of the C-channel. Flexing the mounting portion of the rail may help. Also, a tool may be available from the rail manufacturer to help with this.

In the following illustration, an adjustable rail is installed into a shelf's C-channel. After installation, the angle of the rail is adjusted for the best combination of visibility and lack of glare.

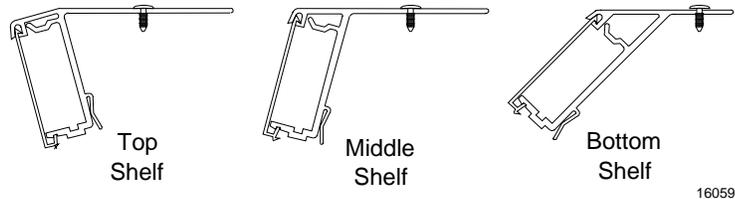


For more information, refer to the rail manufacturer's instructions.

## Attaching SmarTalkers to Angled Rails

The rails in the following illustration have fixed angles and can be easily screwed to the top of a shelf. This method of attachment provides a rigid and durable installation.

After installing the angled rail, install the SmarTalker by opening the front cover flap, placing the bottom of the tag into the bottom of the rail and pressing the top of the tag into the rail until it snaps into place.

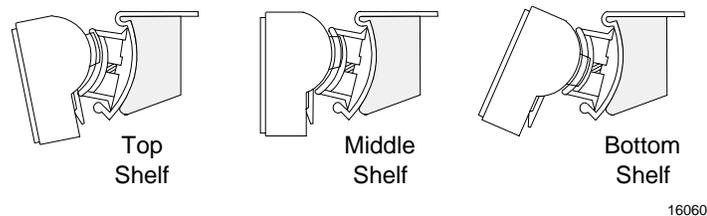


For more information, refer to the rail manufacturer's instructions.

## Attaching SmarTalkers to Individual Clips

A SmarTalker can be installed into an individual clip that is installed into a shelf's C-channel. The clip may be either a fixed-angle clip or an adjustable-angle clip.

In the following illustration, an adjustable clip is installed into a shelf's C-channel. After installation, the angle of the clip is adjusted for the best combination of visibility and lack of glare.

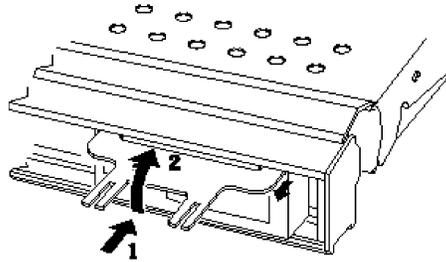


For more information, refer to the clip manufacturer's instructions.

## Installing and Removing a SmarTalker

To install a SmarTalker, insert the bottom edge of the SmarTalker into the rail and then push the top of the SmarTalker into the rail.

To remove a SmarTalker, a SmarTalker EPL Removal Tool (or EPL Puller) is required. The following illustration shows how the EPL Removal Tool is used.



1. Insert the EPL Removal Tool and push it against the rail.
2. Unhook the pawls of the SmarTalker by lifting the tool as shown and pulling the SmarTalker out.