



Product Update

AUGUST 1, 2013

#P383

Revision 01

Applies to Flush doors

CONCEALED CLOSER/STOPS

VT has approval to machine for listed and approved concealed overhead closer and/or stops and mortised floor closers in doors rated 20 through 90-minutes. Concealed holders are not allowed in label doors unless they include an automatic release function if a fire is detected. The specific approvals include:

- Track in Door: UL (20 through 90-minute labeled doors) the cutout dimension can not exceed 1-1/2" in depth, 1-7/16" in width or 24-5/8" in length.
- Track in Door: WHI (20-minute labeled doors only) the cutout dimension can not exceed 1-3/8" in depth, 1-9/32" in width or 23-1/4" in length.
- Body in Door: (UL 20-minute doors only) an un-shielded cutout up to 2-9/32" in depth, 1-3/8" in width or 11-1/4" in length is allowed; with a fire shield and intumescent the cutout dimensions may be up to 3-1/2" in depth, 1-7/16" in width and 23-3/4" in length

Due to the large cutouts required for this hardware, a frame applied intumescent will be required above the cutout. This by definition makes the opening Category B from a code perspective. Where the door is constructed (as Category A) with intumescent stiles and rail, the only additional, field-applied intumescent required will be over the hardware cutout. Mortised floor closers can be done as Category "A" openings (without any field-applied intumescent). The same rules apply for 20 through 90 minute applications.

Tank rails are constructed with extra face reinforcement for use on non-labeled and UL 20-minute doors to help prevent telegraphing of the hardware cavity. Tank rails are required when:

1. The closer body is in the door or
2. The width of the hardware being machined for is greater than 1 5/16".
3. A metal shim is required in UL 20-minute doors

VT will not warranty machining cavities over 1-3/8" in width on a 1-3/4" thick door