

***An overview of:
National Door Controls'
Pivot Deactivators
for aluminum stile doors:
“A workable solution for a
prevalent problem.”***

Generally, there are three ways you will find an aluminum stile door hung:

- With a Butt Hinge.
- With an Offset Pivot Hinge
- Or as a Center Hung configuration.

Butt Hinge...



Offset Pivot

Center Hung



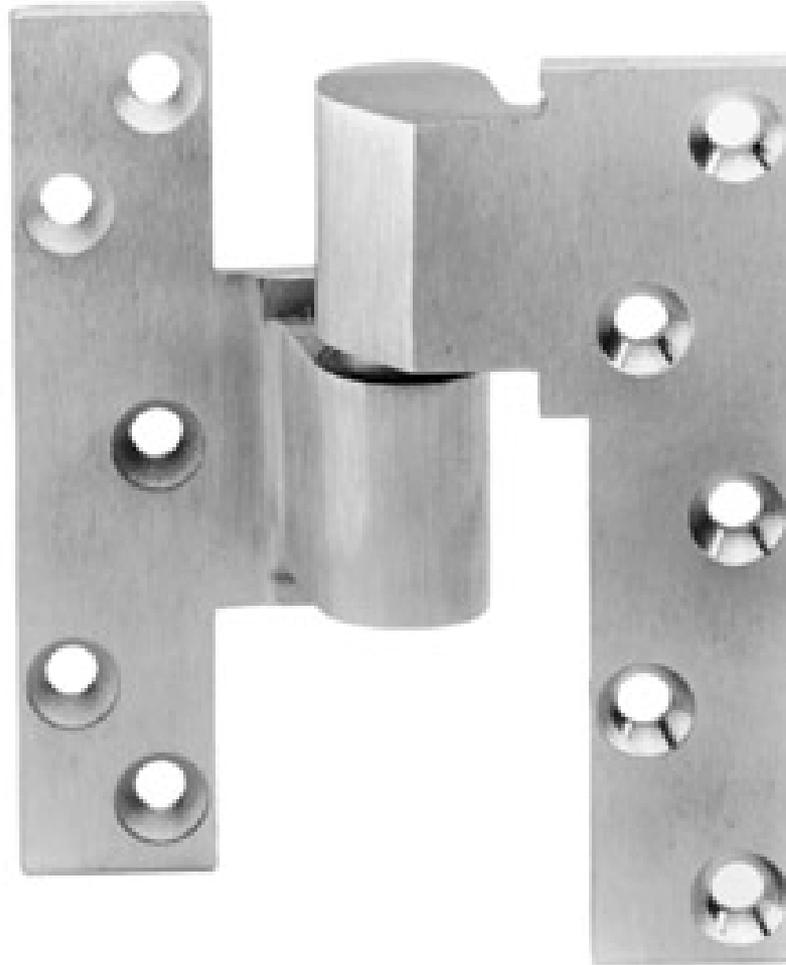
Bottom Door
Portion.

Top Frame
Portion



Top Door
Portion

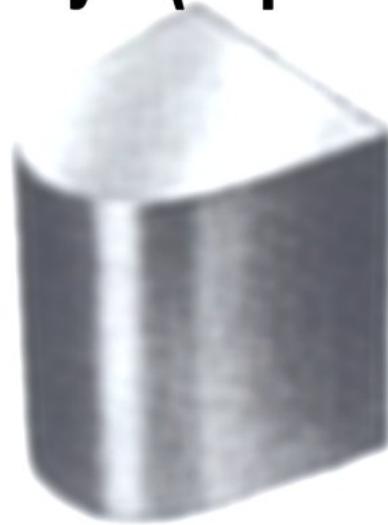
Intermediate Pivot Hinge



Most often found on Aluminum Stile doors over 7'6" tall or weighing over 300 pounds.

Aldora Style (Replacement)

**Door Portion
of Bottom
Pivot**



**Threshold Portion
of Bottom Pivot**

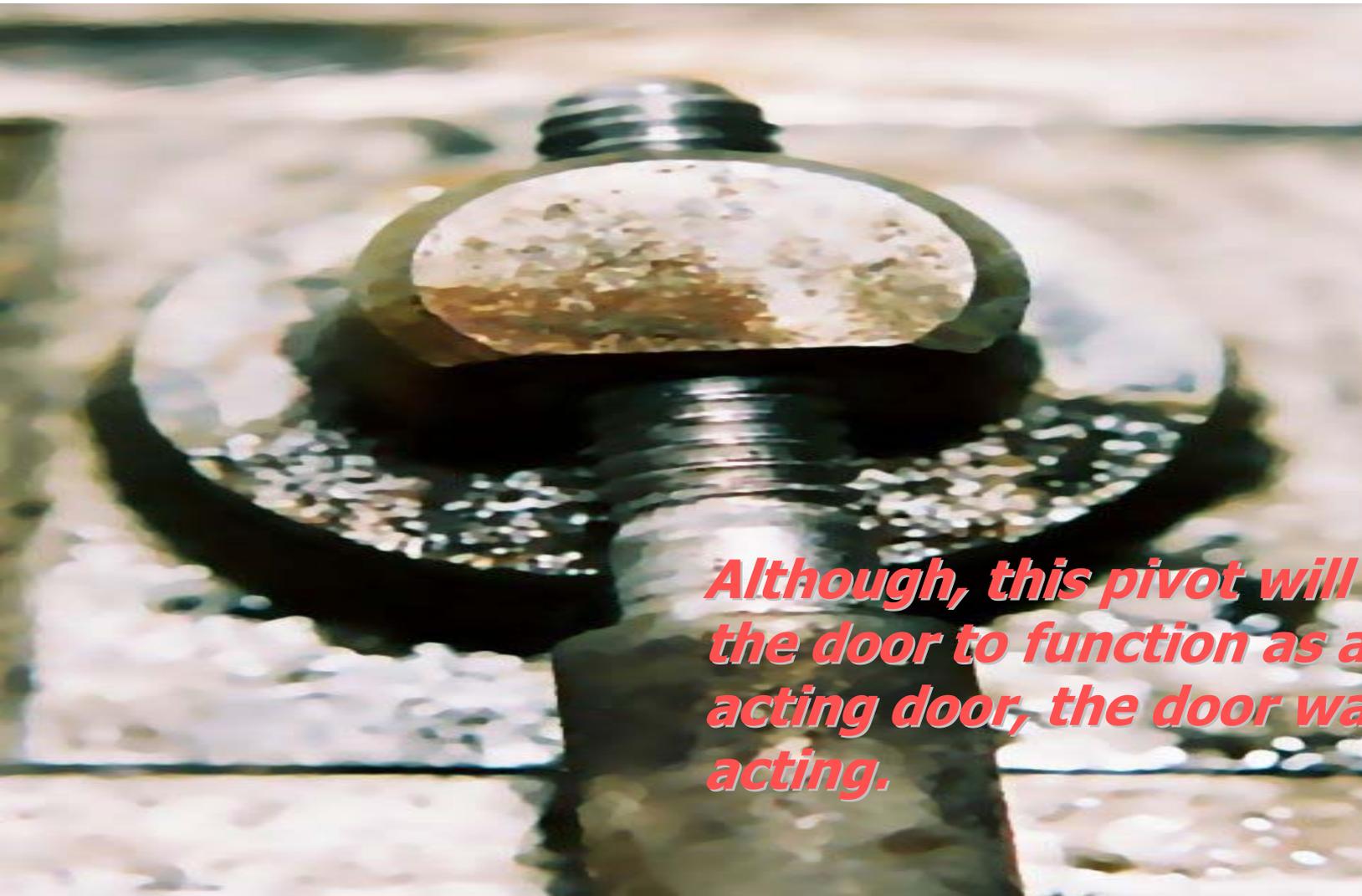
- Butt Hinge hung doors will always be *single-acting* doors.
- Offset Pivot hung doors will always be *single-acting* doors.
- Center Hung doors can be *either* *single-acting* or *double-acting* doors...

Just a note...

Center hung doors have pivots, too.
However, a center hung door uses pivots
that are similar to the one shown below:



This may be a better example...



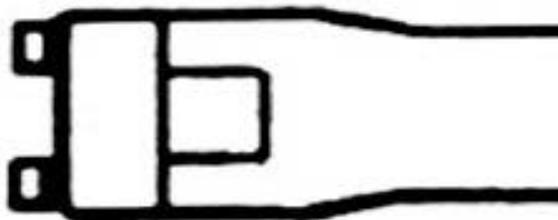
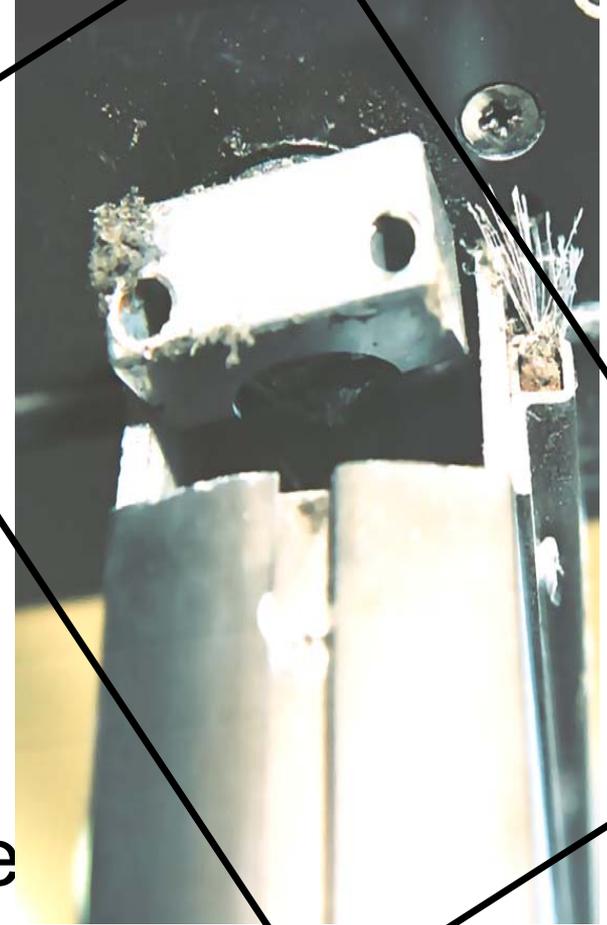
Although, this pivot will allow the door to function as a double-acting door, the door was single-acting.

What does a *center-hung* pivot tell you about the door you're working on?

- The door *can* swing both ways.
- The door has either an overhead concealed closer or a floor check.
- The overhead concealed closer will be either an end-load, or a side-load, arm closer.

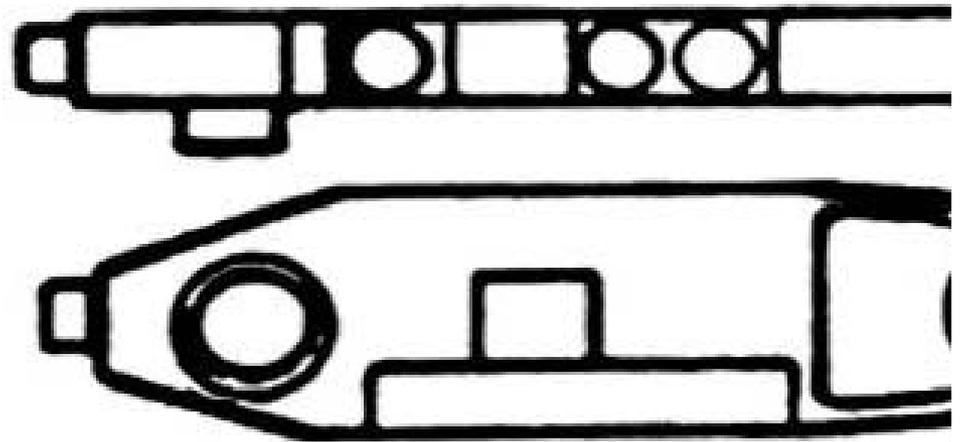
This is an example of an “*end-load*” pivot arm on an overhead concealed closer.

Note that the retainer “cap” is secured to the back, or “end” of the arm. Thus, the term *End-load*





This is an example of a *side-load arm* on an overhead, concealed closer.



“*Side-load*” simply means that the arm is attached to the

“*spindle*” by means of a side retaining cap.

This is a “typical”
*center-hung, “floor
check” or closer.*

In the photograph
to the left, the clos-
er is shown with a
Pivot Deactivator sleeve
and bearing on it.

The photograph to the right
shows the deactivator being
placed over the spindle.



The first step to installing a NDC Pivot Deactivator is to remove or disconnect the closer.





This center hung door has an Intermediate Pivot on it because of it's height.

The door is over 7'6".

Jeff Hales, of NDC, is removing the screwss that secure the pivot to the door and frame.



Removing
the screws
that hold the
TOP PIVOT
(Frame
Portion) to
the frame.

8 12 '97



Highlighting Top
Pivot Screw
removal!



Lifting Door Off of Off-set Pivot!



Someone had tried to “fix” this door in the past and used a piece of tubing and several washers to raise the door to keep it from dragging.

The original pivot exposed....



...NDC washers installed to raise sleeve and bearing.

***NDC's Sleeve
and Bearing...***



Deactivator placed over spindle...

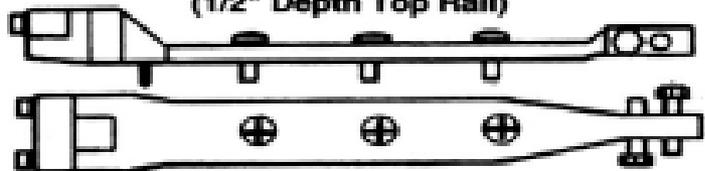




***Jeff Hales
putting the
“finishing”
touches on the
door he
installed an
NDC Pivot De-
activator on...***



**"S" TYPE ADJUSTABLE SIDE
LOADING TOP ARM ASSEMBLY**
(1/2" Depth Top Rail)



**"A" TYPE END LOADING
TOP ARM ASSEMBLY**
(1" Depth Top Rail)



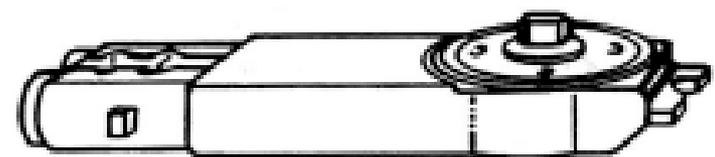
**"K" TYPE END LOADING
TOP ARM ASSEMBLY**
(7/8" Depth Top Rail)



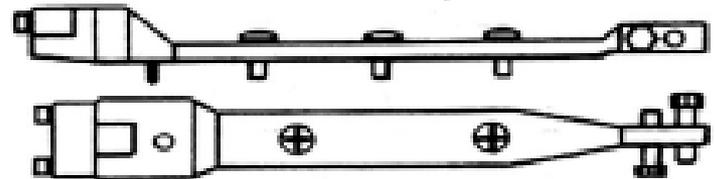
MC30-F ANCHOR SET
(Standard)



**"JO" TYPE OFFSET
TOP ARM ASSEMBLY**
(Mortised Type)



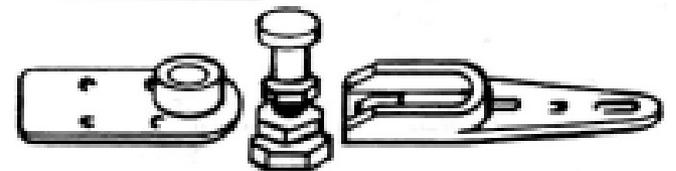
UNIT BODY (only)
Specify Model Required



**"PT" TYPE END LOADING
TOP ARM ASSEMBLY**
(7/8" Depth Top Rail)



MC30-FA ANCHOR SET
(Optional)



**P30-DP ADJUSTABLE DUAL
PURPOSE BOTTOM PIVOT SET**
(Standard)

Miscellaneous Door Hardware

***For more information on National
Door Controls Pivot Deactivators
contact:***

Access Hardware

1-800-348-2263