



**DOUBLE E**  
G R O U P



# SLIDING STYLE SAFETY CHUCKS

***Non-Binding!***  
***Smooth Loading!***  
***Safer Operation!***  
***Easy Maintenance!***

- Sliding action sharply reduces possibility of finger jamming
- Patented push button ensures roll security and operator safety
- Removable jaws extend chuck life; easy and inexpensive to replace
- Jaw design compensates for shaft deflection; chuck does not bind
- Double E will quote any custom configuration of mounting and jaw design
- Available for any roll weight

SCAN ME!



[ee-co.com](http://ee-co.com)



## Overview

Double E Group sliding style safety chucks are engineered to be safer and easier to operate than the tilting (also known as "slap chuck") designs of our competitors. Our sliding style safety chucks only open in the correct upright position so roll security is guaranteed. In addition our safety chucks can only be opened via our patented push-button locking system and our sliding open and closing action dramatically reduces finger jamming accidents which are all too common with the old-style tilting models.

Double E Group safety chucks are available in both flange and pedestal mounting models and feature a number of popular options to solve your converting challenges.



Flange Mount



Pedestal/Foot Mount

## Web Correction Options

Double E Group offers two safety chuck web correction options that can solve the most common converting challenges. Our sidelay adjustment chucks and rotary tables are available to easily compensate for web misalignment and/or baggy web edges.

### Sidelay Adjustment

- Horizontal range up to 2" (50 mm) or 4" (100 mm)
- Easy handwheel operation for accurate roll positioning
- Fixed drive shaft option available

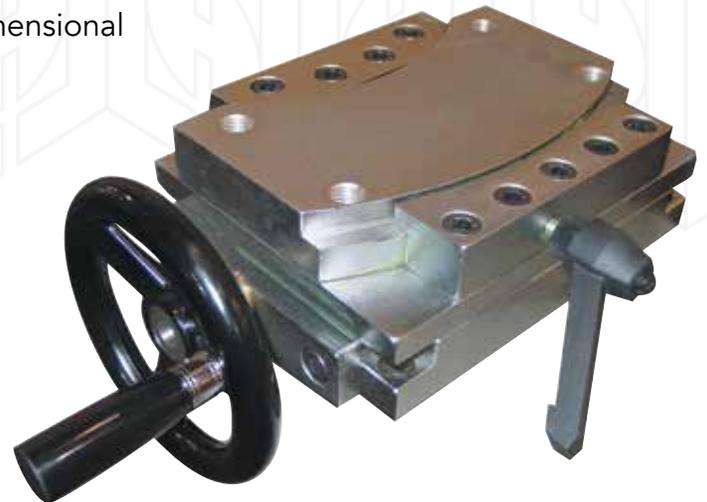


### Swivel Base/Rotary Table

- Pivot chucks to correct baggy edges
- Combine with sidelay adjustment for total two-dimensional control



*A fixed drive shaft is often helpful on rewinds using belt or gear driven motors.*



## Jaw Inserts Allow Easy Maintenance

- Proprietary jaw inserts accommodate shaft deflection, eliminating binding
- Removable Jaw Inserts – Easy, inexpensive replacement
- Square–Turned 45° "V-Style" Jaw Inserts
- Unlike with tilting chucks, retains torque capacity for all jaw insert types
- Easiest for loading/unloading rolls in unwind applications

*Square–turned–45° jaw insert with chuck in closed position.*



## Air-Operated Safety Chucks

All models can be manufactured to be pneumatically operated. Air operation is ideal when accessibility is difficult and/or unsafe for the operator.

A large piston works as a double–acting air cylinder to open and close the chucks.

Proximity sensors can be integrated with the machine's controls to ensure that the chucks are closed before the machine runs, and to ensure the chucks are oriented correctly for safe unloading.

Features the same mounting as its standard safety chuck counterpart which makes replacement quick and easy.



*Air–operated safety chuck with proximity sensors.*

## Auto-Lock Safety Chucks

- The World's Safest Safety Chuck™
- Fail-Safe Closing™ automatically closes the faceplate when rotation begins
- Automatic closing reduces the required number of operator touches by half
- Exact drop in of any brand safety chuck
- Patented design



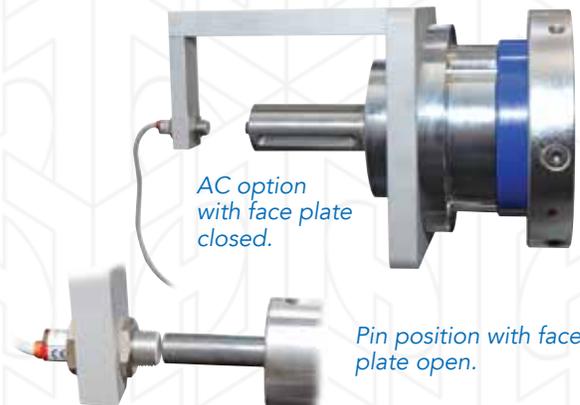
## SPECIAL APPLICATIONS / FLEXIBILITY

Experience allows Double E to apply design features to its safety chucks to account for nuances in niche or custom applications. Many such solutions already exist, but Double E engineers will work closely with you as necessary to solve any web handling problem. Examples include the following:

### AC Option

A pin through the safety chuck works with a proximity sensor to detect when the chuck's face plate is open.

In turret applications, the sensor is tied to a "kill switch" which prevents the turret from turning when the chuck is open.



*AC option with face plate closed.*

*Pin position with face plate open.*

### AT Option

The "AT" (Air-Through) option is best used when a constant air supply is required. It is especially useful in cases where there is not enough space on the shaft body for an air valve. The design runs air through the middle of the safety chuck then connects directly to the shaft. The feature is most common for applications using differential rewind shafts.



*This AT safety chuck is shown with an optional proximity sensor which indicates when the pneumatic insert is engaged or retracted.*

### Radial Drivers

A radial driver helps to secure the core shaft during automatic chuck closing under rotation. The shaft journal has grooves which engage with the radial driver. Double E recommends this option for rewind applications not using a "V-style" insert.



*Radial driver shown above.*

### Drop-in Replacements for Existing Safety Chucks

- Easily replace any existing safety chuck without modifying shaft length or center line height
- No need for bulky adapter plates

### Related Double E Group Solutions for Safety Chucks

- Light weight shafts available for proper engagement with jaw inserts
- Brakes to fit on safety chucks
- Modular roll stands available featuring safety chucks, shafts, web guides, brakes and tension control

