Double E Company

Safety Chucks Catalog

Superior Performance and Durability

Easy, Affordable Replacements for Existing Safety Chucks

Better Design, Higher Quality for New Applications
Introduction

The Double E Company, the world's leading supplier of advanced web handling equipment to the paper, film, and foil converting industries, offers a complete line of safety chucks. Double E safety chucks feature a sliding jaw design that is safer and more efficient than tilting designs. Double E safety chucks can easily replace existing chucks at a lower purchase price and enhance worker safety while increasing productivity. In addition to up front savings, Double E safety chucks also offer jaws that can be replaced at a fraction of the cost of purchasing a new chuck. This feature dramatically reduces cost of ownership in the long run and facilitates operational changes that require multiple shaft/journal configurations.

Double E's sliding safety chuck models utilize a patented push-button release mechanism to ensure worker safety, shaft stability, and effortless disengagement. Double E safety chucks can be ordered as either flange-mounted or pedestal-mounted, fixed or with sidelay adjustment. Chucks can be supplied with square, diamond, triangular, or circular engagement depending on customer specifications and application.

Important features of the Double E Safety Chucks include:

- Jaw design compensates for shaft deflection; chuck does not bind.
- Sliding action significantly reduces possibility of finger jamming.
- Patented push-button design ensures roll security and operator safety.
- Patented circular engagement allows high torque while reducing noise and vibration.
- Removable jaws extend chuck life; easy and inexpensive to replace.
- Easy cross-references and retrofits for replacing existing safety chucks.
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Double E Safety Chuck Naming System

Most technical features of Double E’s safety chucks can be recognized from their alphanumeric abbreviations. The following guidelines will help describe the appropriate chuck for an application.

**Part I: Prefix**

**Air Operated and Special Models** can be recognized by their prefixes. These codes will come before the standard product abbreviation. It is possible to combine more than one of these options.

- **AP** = Air Operated (pneumatic)
- **B** = Boschert Equivalent (flange mount only)
- **AC** = Head Opening Detection (a pin runs through the chuck)
- **AT** = Air Through (air line runs through the chuck to the shaft)

**Part II: Load and Model**

The safety chuck’s **Maximum Load** is indicated by a two letter code. Maximum load for sidelay adjusted chucks differs from the standard values shown below. Maximum load for sidelay adjusted chucks can be found on the drawing pages in this catalog.

- **SL** = up to 656 lbs (2920 N)
- **SM** = up to 1618 lbs (7200 N)
- **SP** = up to 3147 lbs (14,000 N)
- **SU** = up to 5845 lbs (26,000 N)

**NOTE:** It is sometimes necessary to consider additional variables with the maximum load (such as shaft length and deflection) when selecting the best chuck for an application.

**Model Number** is indicated by a three digit number immediately following the maximum load designation. You may occasionally see a two digit model number on older, tilting safety chucks already in place.

**Sliding Safety Chucks**

- **100, 200** = Sliding safety chuck, fixed
- **500** = Sliding safety chuck, sidelay adjusted

**Part III: Mounting Style and Drive**

**Mounting Style** is indicated by either an **F** (flange mounted) or a **P** (pedestal mounted).

- **F** = Flange mounted
- **P** = Pedestal (Foot) Mounted
Motion Transmission

0 = Idle (without any shaft extension for motion transmission) for fixed models
1 = Motorized (with shaft extension for motion transmission) for fixed and sidelay models
2 = Idle (with adjustment handwheel) for sidelay adjusted models
S = Motorized (with splined shaft extension for motion transmission) for fixed and sidelay models

Part IV: Jaw Type and Size
Interchangeable Jaw Option

I = Interchangeable jaws that can be disassembled from the safety chuck's central shaft.

The interchangeable jaws option prolongs the useful life of the safety chuck. Rather than replacing the entire safety chuck, it is quick and inexpensive to replace only the jaw inserts.

**NOTE:** All chucks can be ordered with fixed jaws or with the interchangeable jaw inserts. The interchangeable jaws provide the option of using more than one journal type with a single set of safety chucks.

Engagement Type is shown by a single letter representing the shape of the jaws. The V and O types are standard models. The U and T types are available only by special order.

- **V** = Rhombus (square turned 45°), V shape
- **O** = Circular (only available with interchangeable jaws)
- **U** = Square, U shape (special order)
- **TC** = Triangular (special order)

**NOTE:** Circular jaws are only available with the interchangeable jaws option. They will always be designated as “IO.”

Jaw Size is given as a range value on the catalog pages to determine the size of the safety chuck. When specifying the safety chuck's jaw size on an order, it is necessary to specify a measurement in inches or mm (e.g. 35mm and 1.5 in [38.1mm] would be actual jaw sizes for the 30-40 range).

30-40 etc. = Minimum and Maximum jaw size

**NOTE:** The maximum transmissible torque shown on the drawings is for a chuck at the upper limit of the size range (e.g. 40mm in the 30-40 jaw size range). If the customer has specific torque needs, please note this on the order.
Part V: Sidelay Adjustment Options

Sidelay Adjustment describes the axial travel of the chuck to align the roll on the machine accurately. The sidelay adjustment features a horizontal range of 2” or 4”. There is also a fixed driveshaft option. The sidelay adjustment can be combined with a rotary table to allow alignment in two dimensions. Boschert and other companies may refer to Sidelay Adjustment as Sliding Adjustment.

- **C50** = 50mm (~2”) Sidelay Adjustment
- **C100** = 100mm (~4”) Sidelay Adjustment

There are also two wheel options for the Sidelay Adjustment. The default wheel for the SL series is the hand wheel, while the default wheel for the SM and SP series is the cross-hand wheel (see page 21 of this manual).
Sample Order

When placing an order, please provide the complete safety chuck abbreviation; this will enable you to identify the ordered safety chuck clearly. The following example illustrates a completed safety chuck:

**Model:** SM500/F2/IV30/C50

Max. Load per Safety Chuck = 1619 lbs. (7200 N)

- **SM)** Safety chuck able to carry up to 1,619 lb-f (7,200 N) load.
- **500)** Sliding type safety chuck, sidelay adjusted.
- **F)** Flange-mounting.
- **2)** Motion transmission: idle, with handwheel
- **I)** Jaw Type: Inserts
- **V)** Jaw shape: “V” TYPE (SQUARE TURNED 45º JAW)
- **30)** Requested jaw size: 30x30 mm.
- **C50)** Sidelay adjustment: 50 mm.
## Index of Standard Safety Chuck Models

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## SAFETY CHUCKS

### Sidelay Adjusted Safety Chucks with Splined Shaft Extension

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### Sidelay-adjusted Boschert Equivalent Safety Chucks

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Safety Chuck Options
Double E Company, LLC

Sliding Safety Chuck Models and Options

All Double E safety chucks feature a sliding front plate instead of the more traditional tilting front plate. This design is safer, easier to operate, and more rugged than tilting designs. The chuck opens with a patented push-button mechanism and does away with the need to use a mallet to open the chuck. The chuck will only open in the upright position to guarantee roll security and closes automatically if the operator forgets to close it manually. In addition, the sliding action reduces finger jamming accidents that are common with tilting models.

All models can be ordered with either 2” (50 mm) or 4” (100 mm) sidelay adjustment. They can also be ordered with air-operated opening and closing when the chucks are in hard to reach locations. In these models, the opening and closing of the chuck occurs due to air pressure applied to the inside of the chuck.

Models

- SL100 = 787 lb-f. (3500 N) load sliding safety chuck, fixed.
- SM100 = 1619 lb-f. (7200 N) load sliding safety chuck, fixed.
- SP11* = 1586 lb-f. (7056 N) load sliding safety chuck, fixed.
- SP100 = 3147 lb-f. (14,000 N) load sliding safety chuck, fixed.
- SU100 = 5620 lb-f. (25,000 N) load sliding safety chuck, fixed.
- SU200 = 22,481 lb-f. (100,000 N) load sliding safety chuck, fixed.
- SL500 = 787 lb-f (3500 N) sliding safety chuck, sidelay adjusted.
- SM500 = 1619 lb-f. (7200 N) sliding safety chuck, sidelay adjusted.
- SP500 = 3147 lb-f. (14,000 N) sliding safety chuck, sidelay adjusted.

NOTE: The “SP11” safety chucks have the same overall dimensions and features as the older SP10 (that Double E has discontinued) chucks with tilting opening. They can, therefore, be suggested as an alternative to traditional, tilting models.

Jaw Types

Sliding safety chucks can be manufactured with four different types of chuck/shaft engagement [see drawings on page 8 of this manual]:

- “V” type - rhombus (square rotated 45º) [Standard]
- “O” type - circular/round, patented [Standard]
- “U” type - square [Special]
- “TC” type - triangular [Special]

All four jaw types can are available with interchangeable jaws. With this option, the jaws can be disassembled from the safety chuck’s central shaft and replaced by a new set. The new one can be
either the same type/size or different to fit another application. This option lowers long-term operating costs with less expensive replacements, reduces machine down time, and creates a more flexible operating environment for customers who run multiple applications on a single machine.

**Chuck Mounting**
Safety chucks can be either **flange-mounted** (F) or **pedestal-mounted** (P). See images above.

**Motion Transmission**
The safety chucks can be either idlers or motorized. Usually, one side will be an idler while the other will be a driver (using either a brake or a motor).

- Idlers run free and rotate through the reel-holding shaft. On the opposite side, there will normally be a motorized chuck. On the sidelay adjusted models, there is a rear handwheel for controlling the sidelay adjustment.

- Motorized chucks have a rear shaft extension that enables the motion transmission and/or brake fitting in both fixed and sidelay adjusted models. The drive shaft can also be made as a splined shaft to enable the roll to move even when the safety chuck shaft remains fixed.
# Double E vs Boschert Safety Chuck Comparison  
(max. RPM)

<table>
<thead>
<tr>
<th>Double E Sliding Safety Chucks</th>
<th>U-series</th>
<th>V-series</th>
<th>VTC (triangular)</th>
<th>O-series (circular)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>900</td>
<td></td>
<td>1100 (optional)</td>
<td>1200-1500 (balanced)</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Boschert Tilting Safety Chucks</th>
<th>VT1</th>
<th>VT2**</th>
<th>VT6</th>
<th>VT7</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>900</td>
<td></td>
<td>1100 (standard)</td>
<td>1200-1500</td>
</tr>
</tbody>
</table>

**Boschert VT-2 tilting safety chucks can handle only 60% of the torque and load of a Double E V-series sliding chuck due to the diminished contact zone caused by the tilting face.**
Air Operated Safety Chucks

All Double E fixed safety chuck models can be manufactured with pneumatic operations. These models are identified with the “AP” prefix at the beginning of a chuck’s model code. Pneumatic safety chucks offer an ideal solution for applications where operator access to the safety chucks would be difficult and/or unsafe.

Proximity Sensors
Double E’s pneumatic safety chucks can also include proximity sensors that can be integrated with the customer’s existing controller to make sure that the chucks are closed before operating the machine. Double E safety chucks can use a combination of three sensors to insure that the chucks are closed and to increase plant safety. Sensors beneath the chuck’s face relay whether the chuck is open or closed. A third sensor at the rear of the chuck uses a pin to indicate the chuck’s orientation.
AC Option

The AC option on sliding safety chucks uses a pin through the safety chuck to detect and to signal when the chuck's face plate is open. It is especially useful in turret applications where the operator needs to know if the chuck is closed. In turret applications, the proximity sensor is tied to a “kill” switch that prevents the turret from turning while the chuck is open.
**AT Option**
The AT option on sliding safety chucks is usually reserved for applications using differential shafts. The AT stands for “air through” and runs an air line through the safety chuck that connects to one on the shaft. This option is needed when there is not enough space on the journal for an air valve.
Sidelay Safety Chuck Options

Rotary Table
Double E safety chucks feature a rotary table option for applications that need to correct for “baggy edges.” When combined with sidelay adjustment, the rotary table gives customers the ability to make web adjustments in two dimensions. See the “Rotary Tables” section of this catalog for more detailed information.

Wheel Style
There are two styles of wheels currently available for Double E's sidelay adjustment safety chucks: a hand wheel and a cross-hand wheel. The hand wheel is the default option on rotary tables and SL series safety chucks. The cross-hand wheel is the default option for SM series and SP series safety chucks.
Radial Driver

A radial driver option is available for Double E safety chucks with the U, V, and TC engagement types. The radial driver helps maintain and secure the shaft during automatic sliding head closing of the chuck under rotation. Radial drivers can be especially helpful when using V-shaped jaws with a light shaft. *This option is strongly recommended by Double E for rewind applications on a turret.*

![Safety Chuck with Radial Driver](image1)

![Safety Chuck without Radial Driver](image2)

![Shaft Grooves for Radial Driver in a V-style engagement](image3)
Standard Safety Chuck Models & Dimensions
Fixed Safety Chucks
Model: SL100/F0/(I)V25-30
SL100/F0/IO35

Max. Load per Safety Chuck = 787 lbs. (3500 N)

Jaw Options
- "V" type 25-30
- "O" type ø 35

Special Order
- "L" type
- "TC" type

Standard Jaw Options
- "V" type
- "O" type

Replaceable Inserts: Yes □ No □

Size Needed

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319 Manley Street, West Bridgewater, MA 02379 USA
Tel: (508) 588-8099 Fax: (508) 580-2915 doublee@doubleeusa.com
http://www.doubleeusa.com
Model: **SL100/F1/(I)V25-30**  
**SL100/F1/IO35**

Maximum Transmissable Torque** = **221 lbf-ft**  
(300 Nm)

**Values shown for maximum ø and standard spindle length.**
Model: SL100/P0/(I)V25-30
SL100/P0/IO35

Max. Load per Safety Chuck = 787 lbs. (3500 N)
Standard Jaw Options

- "V" type
  - 25-30
- "O" type
  - Ø 35
- "U" type
- "TC" type

Special Order

Replaceable Inserts: Yes □ No □

Size Needed _______________________

Model: SL100/P1/(I)V25-30
SL100/P1/IO35

Maximum Load per Safety Chuck = 787 lbs. (3500 N)
Maximum Transmissible Torque** = 221 lbf-ft (300 Nm)

**Values shown for maximum ø and standard spindle length.
Model: SM100/F0/(I)V30-40
SM100/F0/IO50

Max. Load per Safety Chuck = 1619 lbs. (7200 N)

Replaceable Inserts: Yes □ No □

Size Needed __________________

Standard Jaw Options

“V” type 30-40

“O” type ø 50

Special Order

“U” type

“TC” type

Depth ø 30

ø167

ø150

ø130

ø11

ø17

11

80

100

180

30

18

40
Model: SM100/F1/(I)V30-40
SM100/F1/IO50

Maximum Load per Safety Chuck = 1619 lbs. (7200 N)
Maximum Transmissible Torque** = 664 lbf-ft (900 Nm)

** Values shown for maximum ø and standard spindle length.

Standard Jaw Options

- "V" type
- "O" type ø 50
- "U" type
- "TC" type

Special Order

Replaceable Inserts: Yes □ No □

Size Needed

30-40 50

Maximum Transmissable Torque** = 664 lbf-ft (900 Nm)

** Values shown for maximum ø and standard spindle length.
Model: SM100/P0/(I)V30-40
SM100/P0/IO50

Max. Load per Safety Chuck = **1619 lbs.** (7200 N)
Model: SM100/P1/(I)V30-40
SM100/P1/IO50

Maximum Load per Safety Chuck = 1619 lbs. (7200 N)
Maximum Transmissable Torque** = 664 lbf-ft (900 Nm)

** Values shown for maximum ø and standard spindle length.

Standard Jaw Options

- "V" type
- "O" type
- "U" type
- "TC" type

Special Order

Replaceable Inserts: Yes [ ] No [ ]

Size Needed _____________________________
Model: SP11/F0/(I)V30-40
SP11/F0/IO50

Max. Load per Safety Chuck = **1586 lbs.** (7056 N)
SAFETY CHUCKS

Model: SP11/F1/(I)V30-40
SP11/F1/IO50

Maximum Load per Safety Chuck = **1586 lbs.** (7056 N)
Maximum Transmissable Torque** = **694 lbf-ft** (940 Nm)

** Values shown for maximum ø and standard spindle length.
Model: SP11/P0/(I)V30-40
SP11/P0/IO50

Max. Load per Safety Chuck = 1586 lbs. (7056 N)

Standard Jaw Options

- "V" type 30-40
- "O" type Φ 50
- "U" type
- "T" type

Special Order

Footprint

**Please note, machine frame must match footprint geometry to avoid interference with sliding head.**
Model: SP11/P1/(I)V30-40
SP11/P1/IO50

SAFETY CHUCKS

Maximum Load per Safety Chuck = 1586 lbs. (7056 N)
Maximum Transmissable Torque** = 694 lbf-ft (940 Nm)
** Values shown for maximum ø and standard spindle length.
Model: SP100/F0/(I)V40-50
SP100/F0/IO55

Max. Load per Safety Chuck = 3147 lbs. (14000 N)

Standard Jaw Options

"V" type 40-50
"O" type 55

Special Order

"U" type
"TC" type

Replaceable Inserts: Yes □ No □

Size Needed: ____________________
Model: SP100/F1/(I)V40-50
SP100/F1/IO55

Maximum Load per Safety Chuck = 3147 lbs. (14000 N)
Maximum Transmissable Torque** = 959 lbf-ft (1300 Nm)

**Values shown for maximum ø and standard spindle length.
Model: SP100/P0/(I)V40-50
SP100/P0/IO55

Max. Load per Safety Chuck = 3147 lbs. (14000 N)
SAFETY CHUCKS

Model: SP100/P1/(I)V40-50
SP100/P1/IO55

Maximum Load per Safety Chuck = 3147 lbs. (14000 N)
Maximum Transmissible Torque** = 959 lbf-ft (1300 Nm)

** Values shown for maximum ø and standard spindle length.

Jaw Options
Below

Standard Jaw Options

"V" type
40-50

"O" type
Ø 55

"U" type
 "TC" type

Special Order

Replaceable Inserts: Yes □ No □

Size Needed ________________
DOUBLE E COMPANY, LLC
319 Manley Street, West Bridgewater, MA 02379 USA
Tel: (508) 588-8099 Fax: (508) 580-2915 double@doubleeusa.com
http://www.doubleeusa.com

Replaceable Inserts: Yes □ No □
Size Needed: __________________________

Model: SU100/F0/(I)V50-100
SU100/F0/IO85

Max. Load per Safety Chuck = 5620 lbs. (25000 N)
Model: SU100/F1/(I)V50-100
SU100/F1/IO85

Maximum Load per Safety Chuck = 5620 lbs. (25000 N)
Maximum Transmissible Torque** = 1947 lbf-ft (2640 Nm)

**Values shown for maximum ø and standard spindle length.
Model: SU100/P0/(I)V50-100
SU100/P0/IO85

Max. Load per Safety Chuck = 5620 lbs. (25000 N)

Replaceable Inserts: Yes □ No □
Size Needed ___________________

Standard Jaw Options
- "V" type
- "O" type
- "U" type
- "TC" type

Special Order

Jaw Options
Below

Depth 35
ø105

ø257
280
230
36
105

ø197
220
280
230

ø17
45
45
20
125
40
275
SAFETY CHUCKS

Model: SU100/P1/(I)V50-100
SU100/P1/IO85

Maximum Load per Safety Chuck = 5620 lbs. (25000 N)
Maximum Transmissible Torque** = 1947 lbf-ft (2640 Nm)

** Values shown for maximum ø and standard spindle length.
Model: SU200/P0/(I)V120
SU200/P0/IO

Max. Load per Safety Chuck = 22481 lbs. (100000 N)

Standard Jaw Options

Jaw Options
Below

"V" type
120

"O" type

Special Order

"U" type

"TC" type

Replaceable Inserts: Yes [ ] No [ ]

Size Needed: ________________
Model: SU200/P1/(I)V120
SU200/P1/IO

Maximum Load per Safety Chuck = 22481 lbs (100000 N)
Maximum Transmissible Torque** = 3688 lbf-ft (5000 Nm)

**Values shown for maximum ø and standard spindle length.
Sidelay Adjusted Safety Chucks
Standard Jaw Options

- "V" type 25-30
- "O" type ø 35
- "U" type
- "TC" type

Special Order

Replaceable Inserts: Yes □ No □
Size Needed ____________

Model: SL500/F2/(I)V25-30/C50
SL500/F2/IO35/C50

Max. Load per Safety Chuck = 787 lbs. (3500 N)
Model: SL500/F1/(I)V25-30/C50
SL500/F1/IO35/C50

Maximum Load per Safety Chuck = **787 lbs.** (3500 N)
Maximum Transmissible Torque** = **221 lbf-ft** (300 Nm)

**Values shown for maximum ø and standard spindle length.**
Model: SL500/F2/(I)V25-30/C100
SL500/F2/IO35/C100

Max. Load per Safety Chuck = 674 lbs. (3000 N)
Model: SL500/F1/(I)V25-30/C100
SL500/F1/IO35/C100

Maximum Load per Safety Chuck = 674 lbs. (3000 N)
Maximum Transmissible Torque** = 221 lbf-ft (300 Nm)

** Values shown for maximum ø and standard spindle length.

Standard Jaw Options

- "V" type
- "O" type
- "U" type
- "TC" type

Special Order

Replaceable Inserts: Yes ☐ No ☐

Size Needed ________________
Model: SL500/P2/(I)V25-30/C50  SL500/P2/IO35/C50

Max. Load per Safety Chuck = 787 lbs. (3500 N)
Model: **SL500/P1/(I)V25-30/C50**  
**SL500/P1/IO35/C50**

**SAFETY CHUCKS**

**UNI 6604**

**Standard Jaw Options**

- **"V" type**: 25-30
- **"O" type**: Ø 35

**Special Order**

- **"U" type**
- **"TC" type**

Replaceable Inserts: [ ] Yes  [ ] No  
Size Needed ____________

**Maximum Load per Safety Chuck = 787 lbs.** (3500 N)

**Maximum Transmissable Torque** = **221 lbf-ft** (300 Nm)

**Values shown for maximum ø and standard spindle length.**
Model: SL500/P2/(I)V25-30/C100
SL500/P2/IO35/C100

Max. Load per Safety Chuck = 674 lbs. (3000 N)

Standard Jaw Options

- "V" type 25-30
- "O" type ø 35
- "U" type
- "TC" type

Special Order

Replaceable Inserts: Yes ☐ No ☐

Size Needed __________________________

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319 Manley Street, West Bridgewater, MA 02379 USA
Tel: (508)588-8099 Fax: (508)580-2915 doublee@doubleusa.com
http://www.doubleusa.com
Model: SL500/P1/(I)V25-30/C100
SL500/P1/IO35/C100

Maximum Load per Safety Chuck = **674 lbs.** (3000 N)
Maximum Transmissable Torque** = **221 lbf-ft** (300 Nm)

**Values shown for maximum ø and standard spindle length.

Standard Jaw Options

- "V" type 25-30
- "O" type ø35
- "U" type
- "TC" type

Special Order

Replaceable Inserts: Yes ☐ No ☐

Size Needed __________

Maximum Transmissable Torque** = 221 lbf-ft (300 Nm)

**Values shown for maximum ø and standard spindle length.
Standard Jaw Options

- "V" type
  - 30-40
- "O" type
  - ø 50

Special Order

- "U" type
- "TC" type

Replaceable Inserts: Yes □ No □
Size Needed __________________________

Model: SM500/F2/(I)V30-40/C50
SM500/F2/IO50/C50

Max. Load per Safety Chuck = 1619 lbs. (7200 N)
Model: SM500/F1/(I)V30-40/C50
SM500/F1/IO50/C50

Maximum Load per Safety Chuck = 1619 lbs. (7200 N)
Maximum Transmissible Torque** = 664 lbf-ft (900 Nm)

** Values shown for maximum ø and standard spindle length.
SM500/F2/(II)V30-40/C100

SM500/F2/IO50/C100

Max. Load per Safety Chuck = 1124 lbs. (5000 N)

Replaceable Inserts: Yes. No

Size Needed

Standard Jaw Options

Special Order

Jaw Options

Below
Model: SM500/F1/(I)V30-40/C100
SM500/F1/IO50/C100

Standard Jaw Options

- "V" type
- "O" type
- "U" type
- "TC" type

Special Order

Replaceable Inserts: Yes ☐ No ☐
Size Needed ________________

Maximum Load per Safety Chuck = 1124 lbs. (5000 N)
Maximum Transmissible Torque** = 664 lbf-ft (900 Nm)

** Values shown for maximum ø and standard spindle length.
Model: SM500/P2/();V30-40/C50
SM500/P2/IO50/C50

Max. Load per Safety Chuck = 1619 lbs. (7200 N)
Model: **SM500/P1/(I)V30-40/C50**
SM500/P1/IO50/C50

**SAFETY CHUCKS**

Maximum Load per Safety Chuck = **1619 lbs.** (7200 N)
Maximum Transmissible Torque** = **664 lbf-ft** (900 Nm)

**Values shown for maximum ø and standard spindle length.**
Model: **SM500/P2/(I)V30-40/C100**

**SM500/P2/I050/C100**

Max. Load per Safety Chuck = **1124 lbs.** (5000 N)

Replaceable Inserts: Yes □ No □

Size Needed__________________

**Standard Jaw Options**

- "V" type 30-40
- "O" type ø 50

**Special Order**

- "U" type
- "TC" type

Depth ø 30
SAFETY CHUCKS

Model: SM500/P1/(I)V30-40/C100

Maximum Transmissible Torque** = 664 lbf-ft (900 Nm)

Maximum Load per Safety Chuck = 1124 lbs. (5000 N)

**Values shown for maximum ø and standard spindle length.

Jaw Options

- "V" type
- "O" type
- "U" type
- "TC" type

Replaceable Inserts: Yes □ No □

Size Needed

UNI 6604

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319 Manley Street, West Bridgewater, MA 02379 USA
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http://www.doubleeusa.com

Standard Jaw Options

- "O" type 30-40
- "V" type 30-40
- Replaceable Inserts: Yes □ No □

Model: SM500/P1/(I)V30-40/C100

SM500/P1/I050/C100
Model: SP500/F2/(I)V40-50/C50
SP500/F2/IO55/C50

Max. Load per Safety Chuck = 3147 lbs. (14000 N)
SAFETY CHUCKS

Model: SP500/F1/(I)V40-50/C50
SP500/F1/IO55/C50

Maximum Load per Safety Chuck = **3147 lbs.** (14000 N)
Maximum Transmissable Torque** = **959 lbf-ft** (1300 Nm)

** Values shown for maximum ø and standard spindle length.

Jaw Options

- "V" type
- "O" type ø55
- "U" type
- "TC" type

Special Order

Replaceable Inserts: Yes □ No □
Size Needed ________________
Model: SP500/F2/(I)V40-50/C100
SP500/F2/IO55/C100

Replaceable Inserts: Yes □ No □
Size Needed

Max. Load per Safety Chuck = 2248 lbs. (10000 N)
**SAFETY CHUCKS**

Model: SP500/F1/(I)V40-50/C100
SP500/F1/IO55/C100

Maximum Transmissable Torque** = 959 lbf-ft (1300 Nm)

Maximum Load per Safety Chuck = 2248 lbs. (10000 N)

Replaceable Inserts: Yes □ No □

Size Needed ________________

**Values shown for maximum ø and standard spindle length.
Model: SP500/P2/(I)V40-50/C50
SP500/P2/IO55/C50

Max. Load per Safety Chuck = 3147 lbs. (14000 N)

Standard Jaw Options

- "V" type
- "O" type
- "U" type
- "TC" type
- Special Order

Replaceable Inserts: Yes □ No □

Size Needed: ________________

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http://www.doubleeusa.com
SAFETY CHUCKS

Model: SP500/P1/(l)V40-50/C50
SP500/P1/IO55/C50

Maximum Load per Safety Chuck = 3147 lbs. (14000 N)
Maximum Transmissible Torque** = 959 lbf-ft (1300 Nm)

** Values shown for maximum ø and standard spindle length.
Model: SP500/P2/(I)V40-50/C100
SP500/P2/IO55/C100

Max. Load per Safety Chuck = **2248 lbs.** (10000 N)

Replaceable Inserts: Yes □ No □

Size Needed ____________________

**Standard Jaw Options**

- "V" type 40-50
- "O" type ø 55

**Special Order**

- "U" type
- "TC" type

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Tel: (508)588-8099 Fax: (508)580-2915 doublee@doubleeusa.com
http://www.doubleeusa.com
Model: SP500/P1/(I)V40-50/C100
SP500/P1/IO55/C100

Maximum Load per Safety Chuck = 2248 lbs. (10000 N)
Maximum Transmissible Torque** = 959 lbf-ft (1300 Nm)

** Values shown for maximum ø and standard spindle length.
Sidelay Adjusted Safety Chucks With Splined Shaft Extension
Model: SL500/FS/(I)V25-30/C50
SL500/FS/IO35/C50

Maximum Transmissible Torque** = 221 lbf-ft (300 Nm)

** Values shown for maximum ø and standard spindle length.
Model: SL500/PS/(I)V25-30/C50
SL500/PS/IO35/C50

Maximum Load per Safety Chuck = **787 lbs.** (3500 N)
Maximum Transmissible Torque** = **221 lbf-ft** (300 NM)

**Values shown for maximum ø and standard spindle length.**

Standard Jaw Options

- "V" type
  - 25-30
- "O" type
  - Ø35

Special Order

- "U" type
- "TC" type

Replaceable Inserts: Yes [ ] No [ ]

Size Needed ____________
Model: SM500/FS/(I)V30-40/C50
SM500/FS/IO50/C50

Maximum Load per Safety Chuck = 1618 lbs. (7200 N)
Maximum Transmissible Torque** = 664 lbf-ft (900 Nm)

** Values shown for maximum ø and standard spindle length.
SAFETY CHUCKS

Model: SM500/PS/(I)V30-40/C50
SM500/PS/IO50/C50

Maximum Load per Safety Chuck = 1618 lbs. (7200 N)
Maximum Transmissible Torque** = 664 lbf-ft (900 Nm)

** Values shown for maximum ø and standard spindle length.

Standard Jaw Options

- "V" type
- "O" type
- "U" type
- "TC" type

Special Order

Replaceable Inserts: Yes □ No □
Size Needed ____________________
Maximum Transmissible Torque** = 959 lbf-ft (1300 Nm)

Values shown for maximum ø and standard spindle length.
Model: SP500/PS/(I)V40-50/C50
SP500/PS/IO55/C50

Maximum Load per Safety Chuck = **3147 lbs.** (14000 N)

Maximum Transmissible Torque** = **959 lbf-ft** (1300 Nm)

** Values shown for maximum ø and standard spindle length.
Model: SP500/FS/(I)V40-50/C100
SP500/FS/IO55/C100

Maximum Load per Safety Chuck = 2248 lbs. (10000 N)
Maximum Transmissible Torque** = 959 lbf-ft (1300 Nm)

** Values shown for maximum ø and standard spindle length.
Pneumatically Operated Safety Chucks
Model: AP/SL100/F0/(I)V25-30
AP/SL100/F0/IO35

Max. Load per Safety Chuck = 787 lbs. (3500 N)

Standard Jaw Options
- "V" type 25-30
- "O" type ø 35
- Special Order
  - "U" type
  - "TC" type

Special Order

Replaceable Inserts: Yes [ ] No [ ]

Size Needed: ____________________

Open/Close Sensors (optional)
Jaw Orientation Sensor (optional)
SAFETY CHUCKS

Model: AP/SL100/F1/(I)V25-30
AP/SL100/F1/IO35

Maximum Load per Safety Chuck = 787 lbs. (3500 N)
Maximum Transmissible Torque** = 221 lbf-ft (300 Nm)
** Values shown for maximum ø and standard spindle length.

Standard Jaw Options

“V” type
25-30

“O” type
ø 35

Special Order

“U” type
“TC” type

Replaceable Inserts: Yes ☐ No ☐

Size Needed ____________________

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319 Manley Street, West Bridgewater, MA 02379 USA
Tel: (508) 588-8099 Fax: (508) 580-2915 doublee@doubleeusa.com
http://www.doubleeusa.com
Model: AP/SL100/P0/(I)V25-30
AP/SL100/P0/I035

Max. Load per Safety Chuck = 787 lbs. (3500 N)
Model: AP/SL100/P1/(I)V25-30
AP/SL100/P1/IO35

Standard Jaw Options

- "V" type 25-30
- "O" type Ø35
- "U" type
- "TC" type

Special Order

- Replaceable Inserts: Yes □ No □
- Size Needed ________________

Maximum Load per Safety Chuck = 787 lbs. (3500 N)
Maximum Transmissable Torque** = 221 lbf-ft (300 Nm)

** Values shown for maximum Ø and standard spindle length.
Model: AP/SM100/F0/(I)V30-40
AP/SM100/F0/IO50

Max. Load per Safety Chuck = 1619 lbs. (7200 N)
SAFETY CHUCKS

Model: AP/SM100/F1/(I)V30-40
AP/SM100/F1/IO50

Maximum Load per Safety Chuck = 1619 lbs. (7200 N)
Maximum Transmissable Torque** = 664 lbf-ft (900 Nm)
** Values shown for maximum ø and standard spindle length.
Model: AP/SM100/P0/(I)V30-40
AP/SM100/P0/IO50

Max. Load per Safety Chuck = 1619 lbs. (7200 N)
Model: AP/SM100/P1/(I)V30-40
AP/SM100/P1/IO50

SAFETY CHUCKS

Maximum Load per Safety Chuck = 1619 lbs. (7200 N)
Maximum Transmissible Torque** = 664 lbf-ft (900 Nm)

** Values shown for maximum ø and standard spindle length.

Jaw Options

Standard Jaw Options

Special Order

Replaceable Inserts: Yes ☐ No ☐

Size Needed ____________________

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Tel: (508)588-8099 Fax: (508)580-2915 doublee@doubleeusa.com
http://www.doubleeusa.com
Model: AP/SP100/F0/(I)V40-50
AP/SP100/F0/IO55

Max. Load per Safety Chuck = 3147 lbs. (14000 N)
Model: AP/SP100/F1/(I)V40-50
AP/SP100/F1/IO55

Maximum Load per Safety Chuck = 3147 lbs. (14000 N)
Maximum Transmissable Torque** = 959 lbf-ft (1300 Nm)

** Values shown for maximum ø and standard spindle length.
Model: AP/SP100/P0/(I)V40-50
AP/SP100/P0/IO55

Max. Load per Safety Chuck = 3147 lbs. (14000 N)
Model: AP/SP100/P1/(I)V40-50
   AP/SP100/P1/IO55

Maximum Load per Safety Chuck = **3147 lbs.** (14000 N)
Maximum Transmissable Torque** = **959 lbf-ft** (1300 Nm)
** Values shown for maximum ø and standard spindle length.
Boschert Equivalent Safety Chucks
Model: B/SL100/F0/(I)V19-25
B/SL100/F0/IO35

Max. Load per Safety Chuck = 450 lbs. (2000 N)
Model: B/SL100/F1/(I)V19-25
B/SL100/F1/IO35

Maximum Load per Safety Chuck = **450 lbs.** (2000 N)
Maximum Transmissible Torque** = **88.5 lbf-ft** (120 Nm)

** Values shown for maximum ø and standard spindle length.
Model: B/SM100/F0/(I)V22-30
B/SM100/F0/IO35

Max. Load per Safety Chuck = 899 lbs. (4000 N)

Replaceable Inserts: Yes □ No □
Size Needed ________________

Standard Jaw Options

"V" type 22-30
"O" type Ø 35

Special Order

"U" type  
"TC" type

Depth 22
Model: B/SM100/F1/(I)V22-30
B/SM100/F1/IO35

Maximum Load per Safety Chuck = 899 lbs. (4000 N)
Maximum Transmissable Torque** = 133 lbf-ft (180 Nm)

**Values shown for maximum ø and standard spindle length.

Standard Jaw Options

- "V" type
- "O" type
- "U" type
- "TC" type

Special Order

Replaceable Inserts: Yes ☐ No ☐

Size Needed ____________________
Standard Jaw Options

- "V" type 30-40
- "O" type Ø 50
- "U" type
- "TC" type

Special Order

Replaceable Inserts: Yes ☐ No ☐

Size Needed

Model: B/SP100/F0/(I)V30-40
B/SP100/F0/IO50

Max. Load per Safety Chuck = 1798 lbs. (8000 N)
Model: B/SP100/F1/(I)V30-40
B/SP100/F1/IO50

Standard Jaw Options
- "V" type
  - Ø 30-40
- "O" type
  - Ø 50

Special Order
- "U" type
- "TC" type

Replaceable Inserts: Yes [ ] No [ ]

Size Needed _______________________

Maximum Load per Safety Chuck = 1798 lbs. (8000 N)
Maximum Transmissable Torque** = 258 lbf-ft (350 Nm)

** Values shown for maximum ø and standard spindle length.
Model: B/SPP100/F0/(I)V40-50
B/SPP100/F0/IO55

Max. Load per Safety Chuck = 3147 lbs. (14000 N)
Model: B/SPP100/F1/(I)V40-50
B/SPP100/F1/IO55

Maximum Load per Safety Chuck = 3147 lbs. (14000 N)
Maximum Transmissible Torque** = 811 lbf-ft (1100 Nm)

** Values shown for maximum ø and standard spindle length.
Sidelay Adjusted
Boschert Equivalent
Safety Chucks
Double E Company, LLC

319 Manley Street, West Bridgewater, MA 02379 USA
Tel: (508)588-8099 Fax: (508)580-2915 doublee@doubleeusa.com
http://www.doubleeusa.com

Model: B/SM500/F2/(I)V22-35/C50
B/SM500/F2/O35/C50

Max. Load per Safety Chuck = 899 lbs. (4000 N)

Standard Jaw Options

Special Order

Replaceable Inserts: Yes □ No □

Size Needed______________
SAFETY CHUCKS

Model: B/SM500/F1/(I)V22-35/C50
B/SM500/F1/IO35/C50

Maximum Load per Safety Chuck = 899 lbs. (4000 N)
Maximum Transmissible Torque** = 133 lbf-ft (180 Nm)

** Values shown for maximum ø and standard spindle length.

Standard Jaw Options

"V" type 22-35
"O" type Ø 35
"U" type
"TC" type

Special Order

Replaceable Inserts: Yes □ No □
Size Needed ________________
Model: B/SP500/F2/(I)V30-40/C50
B/SP500/F2/I050/C50

Max. Load per Safety Chuck = 1574 lbs. (7000 N)
Model: B/SP500/F1/(I)V30-40/C50
B/SP500/F1/IO50/C50

Maximum Load per Safety Chuck = 1574 lbs. (7000 N)
Maximum Transmissible Torque** = 221 lbf-ft (300 Nm)

**Values shown for maximum ø and standard spindle length.
Rotary Tables/
Movable Bases
Model: BS/P1/SM500/SM100

STANDARD CONFIGURATION
Model: BS/P1/SM500/SM100
Model: BS/P2/SM500/SM100
Model: BS/P2/SP500/SP100

SAFETY CHUCKS
Model: BS/P1/SP500/SP100

1/2"-13 UNC CHCS recommended
SAFETY CHUCKS

Model: BS/P2/SP500/SP100

REVERSE CONFIGURATION

1/2"-13 UNC CHCS recommended