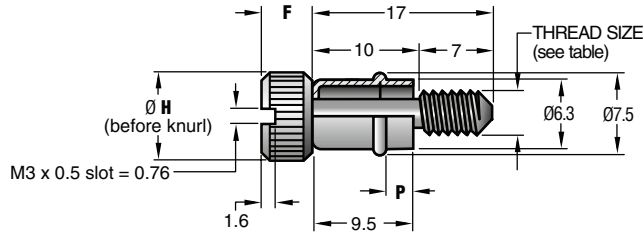


Southco® Captive Fasteners

Polished Series, M3 Thread

- Simple design
- Highly polished appearance



To select proper screw measure your outer panel thickness. Enter table with your thick

| YOUR OUTER PANEL THICKNESS | | DIMENSION | | | THREAD SIZE | PART NUMBERS |
|----------------------------|------|-----------|---|---|-------------|--------------|
| MIN. | MAX. | Ø H | F | P | | |

BLACK screw assemblies



| | | | | | | |
|-----|-----|-----|-----|-----|----------|--------------|
| 1.3 | 1.7 | 7.1 | 4.0 | 1.6 | M3 x 0.5 | 51-72-410-26 |
| 2.1 | 2.5 | | | 2.3 | | 51-72-510-26 |
| 2.9 | 3.3 | | | 3.2 | | 51-72-610-26 |

BRIGHT POLISHED screw assemblies

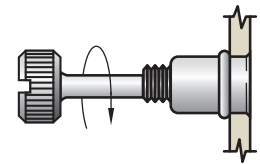


| | | | | | | |
|-----|-----|-----|-----|-----|----------|----------------|
| 1.3 | 1.7 | 7.1 | 4.0 | 1.6 | M3 x 0.5 | 51-72-410-24 • |
| 2.1 | 2.5 | | | 2.3 | | 51-72-510-24 • |
| 2.9 | 3.3 | | | 3.2 | | 51-72-610-24 • |

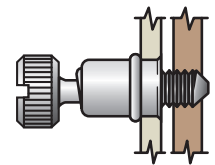


To Captivate Screw

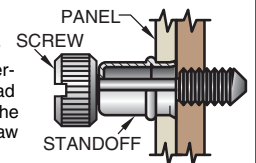
Thread screw through hole in top surface of standoff.



Bring panels together.



Thread screw tightly into frame until under-surface of screw head completely flattens the raised helix. With draw screw to ensure it is fully captivated.



Material and Finish

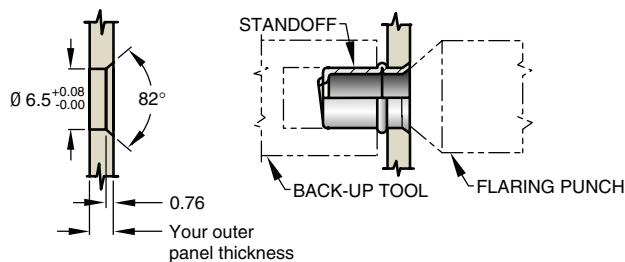
SCREWS: 302 Stainless steel.
STANDOFFS: 305 Stainless steel.
BOTH PARTS are passivated or are passivated plus black organic coating.

NOTE: Each part number represents a screw and standoff shipped unassembled, protectively packaged (bright standoffs are bulk packaged).

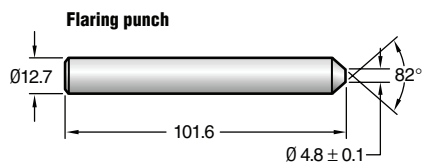
NOTE: Longer screw lengths and unslotted head styles are available on special order.

To Install Standoff

1. Insert stand off into hole and flare into countersink as shown.

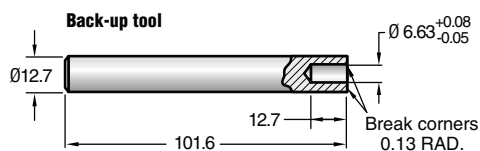


Standoff Installation Tools (order separately).



PART NUMBER
54-0-5467-11 •

Material
Hardened steel.



PART NUMBER
54-0-5466-11 •

Material
Hardened steel.

millimeter (inch)
millimeter
(inch)

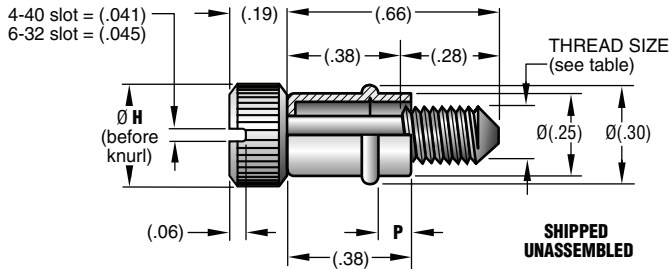
Dimensions without tolerances are for reference only.

Captive Fasteners
Captive Screws

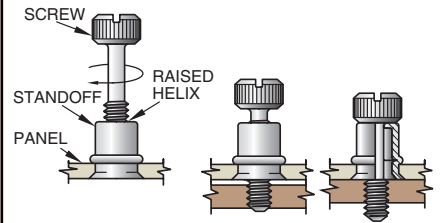
Southco® Captive Fasteners

Polished Series, 4-40 and 6-32 Thread

- Simple design
- Highly polished appearance



To Captivate Screw



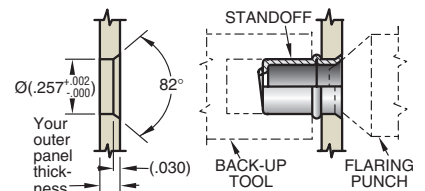
1. Thread screw through hole in top surface of standoff.
2. Bring panels together. Thread screw tightly into frame until under surface of screw head completely flattens the raised helix. Withdraw screw to ensure it is fully captivated.

Material and Finish

NO. 4 SCREW: 303 Stainless steel
NO. 6 SCREW: 302 Stainless steel.
STANDOFF: 305 Stainless steel.
SCREWS and STANDOFFS are passivated.
BLACK screw assemblies have black organic coating.

Fasteners are ordered by their assembly part number but are shipped and identified as components of the finished assembly.

To Install Standoff



1. Prepare panel.
2. Insert standoff into hole and flare into countersink as shown.

millimeter (inch)
millimeter (inch)

Dimensions without tolerances are for reference only.

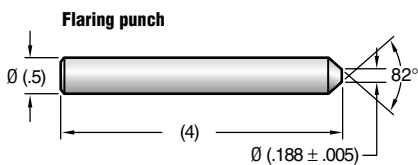
BLACK screw assemblies

| OUTER PANEL THICKNESS | | | 4-40 | 6-32 | P |
|-----------------------|-------|-------|--------------|--------------|-------|
| MIN. | NOM. | MAX. | Ø H = (.31) | Ø H = (.31) | |
| (.05) | (.06) | (.07) | 51-10-406-26 | 51-18-406-26 | (.06) |
| (.08) | (.09) | (.10) | 51-10-506-26 | 51-18-506-26 | (.09) |
| (.11) | (.12) | (.13) | 51-10-606-26 | 51-18-606-26 | (.13) |

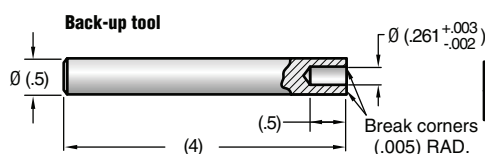
BRIGHT POLISHED screw assemblies

| OUTER PANEL THICKNESS | | | 4-40 | 6-32 | P |
|-----------------------|-------|-------|----------------|----------------|-------|
| MIN. | NOM. | MAX. | Ø H = (.31) | Ø H = (.31) | |
| (.05) | (.06) | (.07) | 51-10-406-24 • | 51-18-406-24 • | (.06) |
| (.08) | (.09) | (.10) | 51-10-506-24 • | 51-18-506-24 • | (.09) |
| (.11) | (.12) | (.13) | 51-10-606-24 • | 51-18-606-24 • | (.13) |

Standoff Installation Tools (order separately).



PART NUMBER
54-0-5467-11 •



PART NUMBER
54-0-5466-11 •

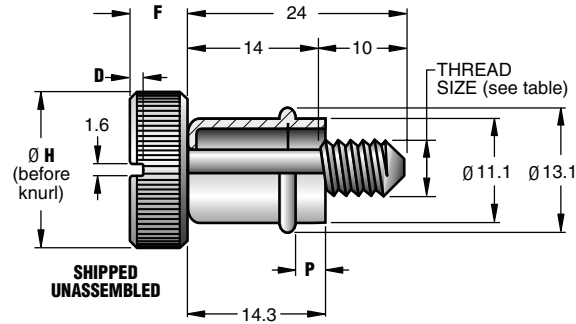
Material
Hardened steel.

Material
Hardened steel.

Southco® Captive Fasteners

Polished Series, M4, M5, and M6 Thread

- Simple design
- Highly polished appearance



| DIMENSIONS | | | | THREAD SIZE | PART NUMBERS |
|------------|-----|---|---|-------------|--------------|
| P | Ø H | D | F | | |

BLACK screw assemblies

| | | | | | |
|-----|------|-----|-----|----------|--------------|
| 3.2 | | | | M4 X 0.7 | 51-74-714-26 |
| 4.8 | 10.3 | 1.6 | 6.0 | M4 X 0.7 | 51-74-814-26 |
| 6.3 | | | | M4 X 0.7 | 51-74-914-26 |
| 3.2 | | | | M5 X 0.8 | 51-76-714-26 |
| 4.8 | 11.1 | 1.6 | 6.3 | M5 X 0.8 | 51-76-814-26 |
| 6.3 | | | | M5 X 0.8 | 51-76-914-26 |
| 3.2 | | | | M6 X 1.0 | 51-77-414-26 |
| 4.8 | 14.3 | 2.3 | 6.3 | M6 X 1.0 | 51-77-514-26 |
| 6.3 | | | | M6 X 1.0 | 51-77-614-26 |

BRIGHT POLISHED screw assemblies

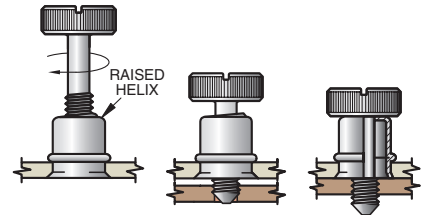
| | | | | | |
|-----|------|-----|-----|----------|----------------|
| 3.2 | | | | M4 X 0.7 | 51-74-714-24 • |
| 4.8 | 10.3 | 1.6 | 6.0 | M4 X 0.7 | 51-74-814-24 • |
| 6.3 | | | | M4 X 0.7 | 51-74-914-24 • |
| 3.2 | | | | M5 X 0.8 | 51-76-714-24 • |
| 4.8 | 11.1 | 1.6 | 6.3 | M5 X 0.8 | 51-76-814-24 • |
| 6.3 | | | | M5 X 0.8 | 51-76-914-24 • |
| 3.2 | | | | M6 X 1.0 | 51-77-414-24 • |
| 4.8 | 14.3 | 2.3 | 6.3 | M6 X 1.0 | 51-77-514-24 • |
| 6.3 | | | | M6 X 1.0 | 51-77-614-24 • |

Each part number represents a **screw and standoff shipped unassembled, protectively packaged** (bright standoffs are bulk packaged).

To Select Proper Screw Assembly

1. Measure your outer panel thickness and enter **SCREW ASSEMBLY SELECTION TABLE** (right) with your thickness.
2. Read across to find **P** dimension and installation method (A or B).
3. Enter **ASSEMBLY PART NUMBER TABLE** (right) with your **P** dimension, at section having your desired thread size, and read across to find correct assembly part number.

To Captivate Screw



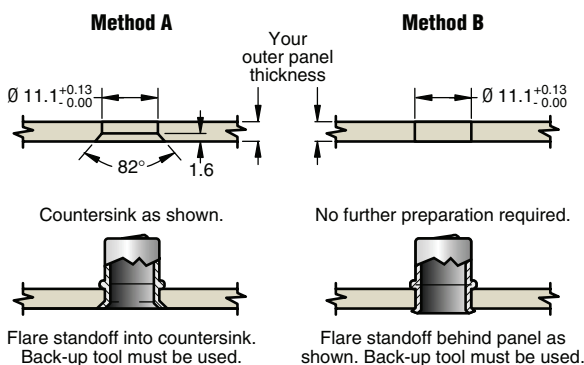
1. Thread screw through hole in top surface of standoff.
2. Bring panels together.
3. Thread screw tightly into frame until under-surface of screw head completely flattens the raised helix. Withdraw screw to ensure it is fully captivated.

| Your Outer Panel Thickness | | Select an assembly with P dim. of: | Use this installation method |
|----------------------------|------|---|------------------------------|
| MIN. | MAX. | | |
| 1.6 | 1.9 | 3.2 | B |
| 2.3 | 3.6 | 4.8 | B |
| 2.8 | 3.6 | 3.2 | A |
| 3.9 | 5.2 | 6.3 | B |
| 4.4 | 5.2 | 4.8 | A |
| 5.9 | 6.7 | 6.3 | A |

Material and Finish

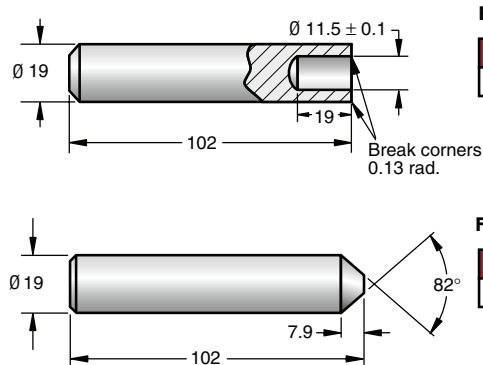
SCREWS: 302 Stainless steel.
 STANDOFFS: 305 Stainless steel.
 BOTH PARTS are passivated or are passivated with black organic coating.

To Install Standoff



Standoff Installation Tools

(Order separately)



Back-up tool

PART NUMBER
90-2825-11

Material
Mild steel.

Flaring punch

PART NUMBER
90-2824-11

Material
Hardened steel.

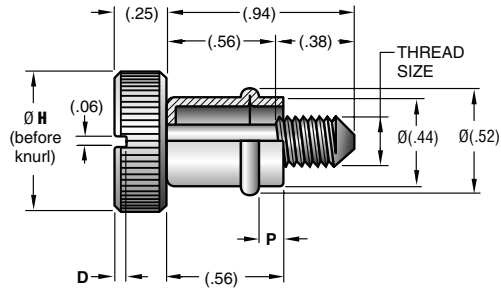
millimeter (inch)
 millimeter
 (inch)

Dimensions without tolerances are for reference only.

Southco® Captive Fasteners

Polished Series, 8-32, 10-32 and 1/4-20 Thread

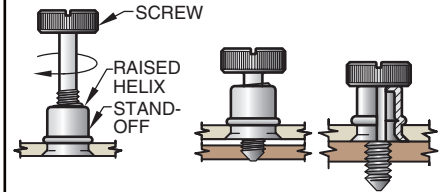
- Simple design
- Highly polished appearance



| ØH | D |
|-------|-------|
| (.69) | (.13) |
| (.56) | (.09) |
| (.44) | (.06) |



To Captivate Screw



1. Thread screw through hole in top surface of standoff.
2. Bring panels together.
3. Thread screw tightly into frame until under surface of screw head completely flattens the raised helix. Withdraw screw to ensure it is fully captivated.

Material and Finish

SCREWS: 302 Stainless steel.

STANDOFFS: 305 Stainless steel.

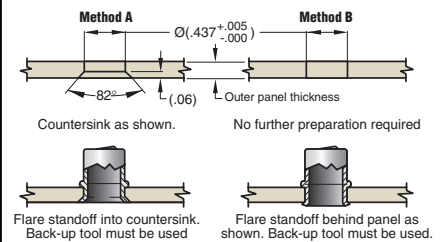
SCREWS and STANDOFFS are passivated or are passivated and have black organic coating.

TO SELECT PROPER SCREW ASSEMBLY

1. Measure your outer panel thickness and enter table (below) with your thickness.
2. Read across to find **P** dimension and installation method (A or B).
3. Enter part number table with your **P** dimension and read across to find correct assembly part number under head and thread size desired.

| Outer Panel Thickness | | Select an assembly with P dim. of: | Use this installation method |
|-----------------------|-------|---|------------------------------|
| MIN. | MAX. | | |
| (.06) | (.08) | (.13) | B |
| (.09) | (.14) | (.19) | B |
| (.11) | (.14) | (.13) | A |
| (.16) | (.20) | (.25) | B |
| (.17) | (.20) | (.19) | A |
| (.23) | (.27) | (.25) | A |

To Install Standoff



millimeter (inch)
millimeter
(inch)

Dimensions without tolerances are for reference only.

Slotted BLACK screw assemblies

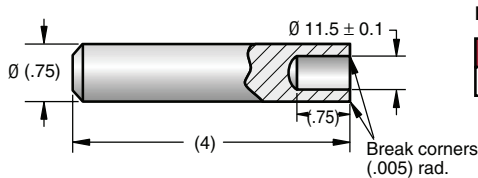
| P | Ø H = (.44) | | Ø H = (.56) | Ø H = (.69) |
|-------|--------------|--------------|--------------|--------------|
| | 8-32 | 10-32 | 1/4-20 | 1/4-20 |
| (.13) | 51-17-709-26 | 51-16-709-26 | 51-11-409-26 | 51-11-109-26 |
| (.19) | 51-17-809-26 | 51-16-809-26 | 51-11-509-26 | 51-11-209-26 |
| (.25) | 51-17-909-26 | 51-16-909-26 | 51-11-609-26 | 51-11-309-26 |

Slotted BRIGHT POLISHED screw assemblies

| P | Ø H = (.44) | | Ø H = (.56) | Ø H = (.69) |
|-------|----------------|----------------|----------------|----------------|
| | 8-32 | 10-32 | 1/4-20 | 1/4-20 |
| (.13) | 51-17-709-24 • | 51-16-709-24 • | 51-11-409-24 • | 51-11-109-24 • |
| (.19) | 51-17-809-24 • | 51-16-809-24 • | 51-11-509-24 • | 51-11-209-24 • |
| (.25) | 51-17-909-24 • | 51-16-909-24 • | 51-11-609-24 • | 51-11-309-24 • |

Standoff Installation Tools

(Order separately)

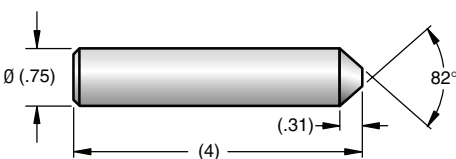


Back-up tool

PART NUMBER
90-2825-11

Material

Mild steel.



Flaring punch

PART NUMBER
90-2824-11

Material

Hardened steel.