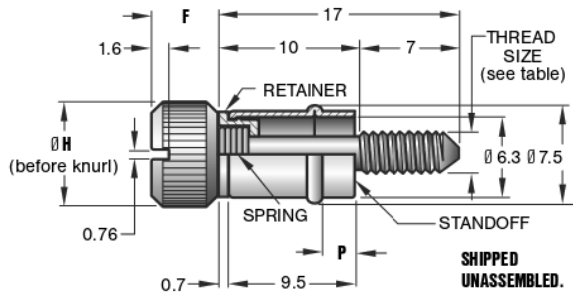


Southco® Captive Fasteners

Polished, Spring-ejected Series, M3 Thread

Highly polished appearance



Caution: Do not exceed 0.4 N-m tightening torque when fastening.

Material and Finish

SCREW: 302 Stainless steel.

STANDOFF: 305 Stainless steel.

BOTH PARTS are passivated or are passivated plus black organic coating.

SPRING: 302 Stainless steel.

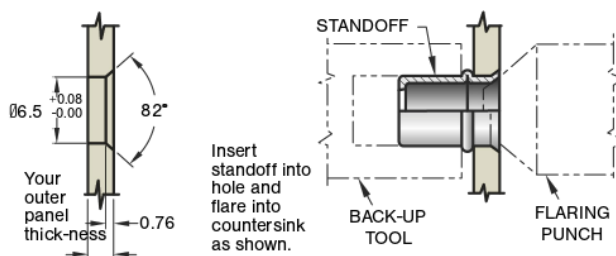
RETAINER: Natural color nylon.

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

YOUR OUTER PANEL THICKNESS DIMENSIONS				THREAD SIZE	PART NUMBERS									
H	FP	MIN.	MAX.											
BLACK screw assemblies														
1.3	2.1	2.9	1.7	2.5	3.3	7.1	1.6	2.3	3.2	4.0	M3 x 0.5	53-72-410-26		
												53-72-510-26		
												53-72-610-26		
BRIGHT POLISHED screw assemblies														
1.3	2.1	2.9	1.7	2.5	3.3	7.1	1.6	2.3	3.2	53	7	4.0	M3 x 0.5	2-410-24
														53-72-510-24
														53-72-610-24

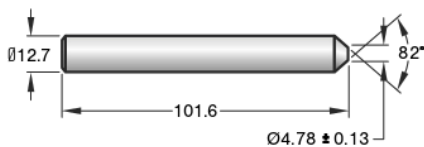
Captive Fasteners
Screws

To Install Standoff



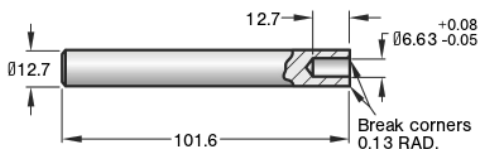
Standoff Installation Tools

(Order separately).



PART NUMBER
54-0-5467-11

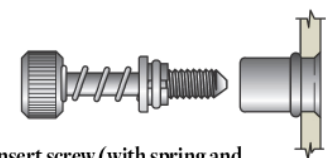
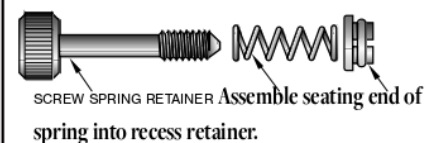
Material
Hardened steel.



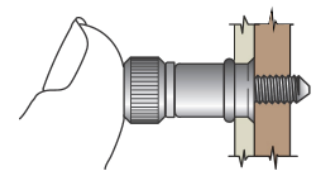
PART NUMBER
54-0-5466-11

Material
Hardened steel.

To Captivate Screw



Insert screw (with spring and retainer) into standoff.



Press to snap retainer into standoff.

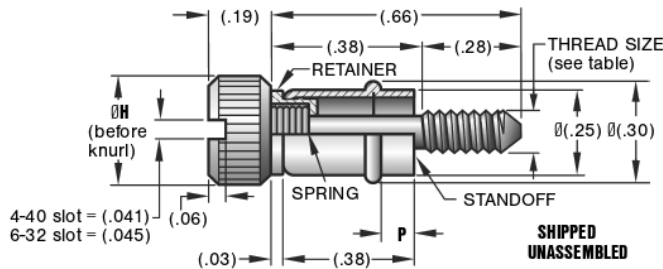
millimeter (inch)
millimeter (inch)

Dimensions without tolerances are for reference only.

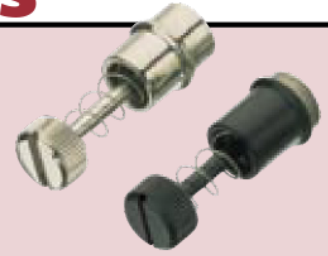
Southco® Captive Fasteners

Polished, Spring-ejected Series, 4-40 and 6-32 Thread

• Highly polished appearance



Caution: Do not exceed 3-1/2 in.-lb. tightening torque when fastening



Material and Finish

NO. 4 SCREW: 303 Stainless steel. **NO. 6 SCREW:** 302 Stainless steel. **STANDOFF:** 305 Stainless steel. **SCREWS** and **STANDOFFS** are passivated or are passivated plus black organic coating. **SPRING:** 302 Stainless steel, passivated. **RETAINER:** NO. 4 size, natural color nylon; No. 6 size, black nylon.

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

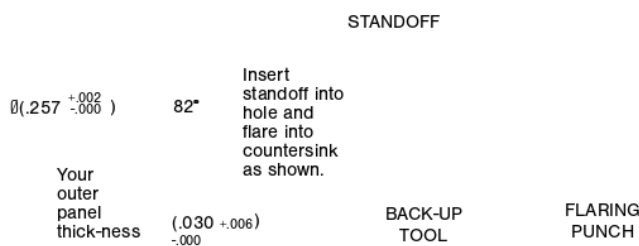
BLACK screw assemblies

OUTER PANEL THICKNESS			PART NUMBERS		P
			4-40	6-32	
MIN.	NOM.	MAX.	Ø H = (.31)	Ø H = (.31)	
(.05)	(.06)	(.07)	53-10-406-26	53-18-406-26	(.06)
(.08)	(.09)	(.10)	53-10-506-26	53-18-506-26	(.09)
(.11)	(.12)	(.13)	53-10-606-26	53-18-606-26	(.13)

BRIGHT POLISHED screw assemblies

your OUTER PANEL THICKNESS			PART NUMBERS		P
			4-40	6-32	
MIN.	NOM.	MAX.	Ø H = (.31)	Ø H = (.31)	
(.05)	(.06)	(.07)	53-10-406-24 •	53-18-406-24 •	(.06)
(.08)	(.09)	(.10)	53-10-506-24 •	53-18-506-24 •	(.09)
(.11)	(.12)	(.13)	53-10-606-24 •	53-18-606-24 •	(.13)

To Install Standoff

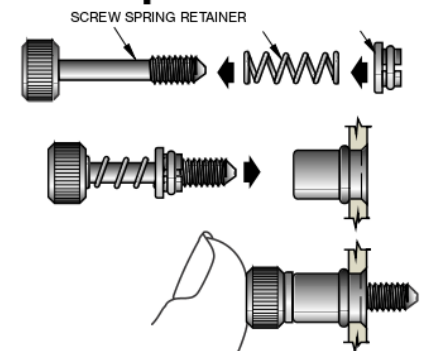


Standoff Installation Tools

(Order separately).

Standoff Diameter	Standoff Length	Standoff Diameter	Part Number	Material
Ø(.5)	82°	Ø(.188 ±.005)	54-0-5467-11	Hardened steel.
Ø(.5)	82°	Ø(.261 ±.003)	54-0-5466-11	Hardened steel.
Ø(.5)	82°	Break corners (.005) RAD.		

To Captivate Screw



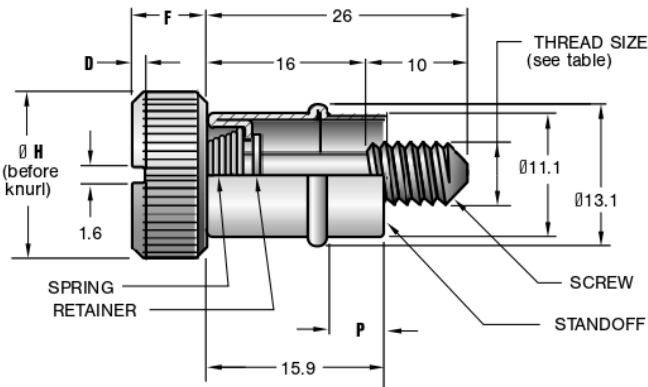
1. Assemble, seating end of spring into recess in retainer.
2. Insert screw (with spring and retainer) into standoff.
3. Press to snap retainer into standoff.

millimeter [inch] millimeter [inch] Dimensions without tolerances are for reference only.

Southco® Captive Fasteners

Polished, Spring-ejected Series,
M4, M5 and M6 Thread

• Highly polished appearance



DIMENSIONS				THREAD SIZE	PART NUMBERS
P	ØH	D	F		

BLACK screw assemblies

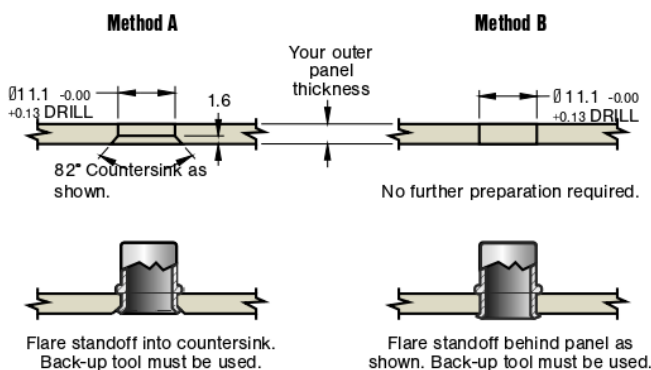
3.2	10.3	1.6	6.0	M4 X 0.7	53-74-716-26
4.8					53-74-816-26
6.3					53-74-916-26
3.2	11.1	1.6	6.3	M5 X 0.8	53-76-716-26
4.8					53-76-816-26
6.3					53-76-916-26
3.2	14.3	2.3	6.3	M6 X 1.0	53-77-416-26
4.8					53-77-516-26
6.3					53-77-616-26

BRIGHT POLISHED screw assemblies

3.2	10.3	1.6	6.0	M4 X 0.7	53-74-716-24 •
4.8					53-74-816-24 •
6.3					53-74-916-24 •
3.2	11.1	1.6	6.3	M5 X 0.8	53-76-716-24 •
4.8					53-76-816-24 •
6.3					53-76-916-24 •
3.2	14.3	2.3	6.3	M6 X 1.0	53-77-416-24 •
4.8					53-77-516-24 •
6.3					53-77-616-24 •

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

To Install Standoff



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.

Screw Assembly Selection Table

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

SCREW: 302 Stainless steel. STANDOFF: 305 Stainless steel. SCREWS and STANDOFFS: Passivated or are passivated plus black organic coating. SPRING and RETAINER: 302 Stainless steel, passivated.

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

millimeter (inch)
millimeter (inch)

Dimensions without tolerances are for reference only.

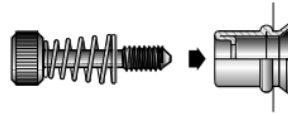
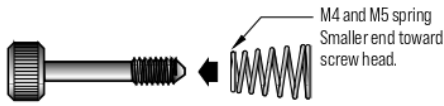
Southco® Captive Fasteners

Polished, Spring-ejected Series, M4, M5 and M6 Thread

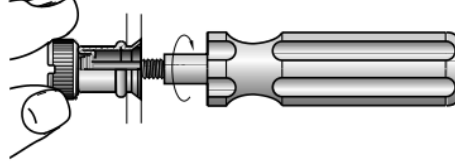
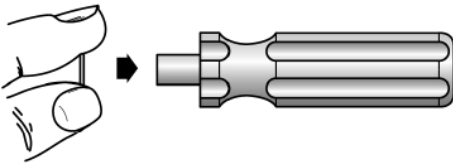
Installation

To Captivate Screw

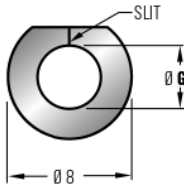
1. Slip spring over shank of screw. Spring must be oriented as shown in diagram.
2. Insert screw (with spring) through hole in standoff.



3. Insert retainer into recess in end of tool.
4. Hold screw head and rotate tool until retainer is threaded onto throat of screw.



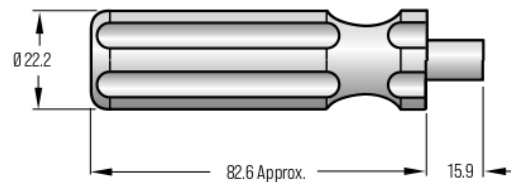
Split Ring Retainer



SCREW THREAD SIZE	Ø G
M4 x 0.7	3.5
M5 x 0.8	4.2
M6 x 1	5.1

Installation Tools (Order separately). for larger metric spring-ejected NO. 53 assemblies

For Retainers



PART NUMBER
29-53-101-10 •

For Standoff

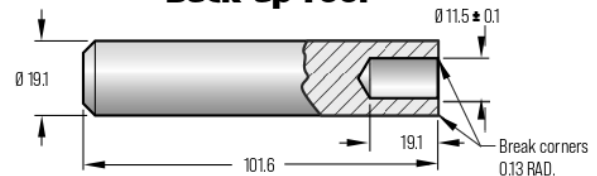
Flaring Punch



PART NUMBER
90-2824-11 •

Material
Hardened steel.

Back-up Tool



PART NUMBER
90-2825-11 •

Material
Mild steel.

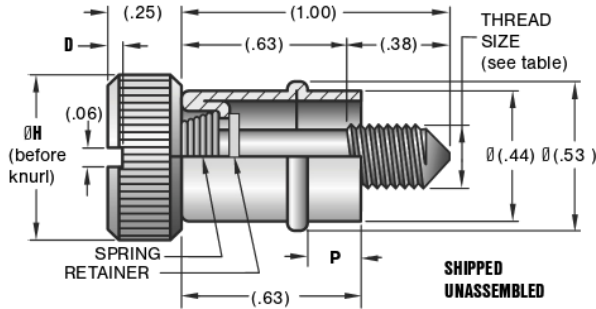
millimeter (inch)
millimeter
(inch)

Dimensions without tolerances are for reference only.

Southco® Captive Fasteners

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

• Highly polished appearance



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

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.

Slotted BLACK screw assemblies

P	Ø H = (.44)		Ø H = (.56)	
	8-32	10-32	1/4-20	1/4-20

Screws will fully retract

(.13)	53-17-710-26	53-16-710-26	53-11-410-26	53-11-110-26
(.19)	53-17-810-26	53-16-810-26	53-11-510-26	53-11-210-26
(.25)	53-17-910-26	53-16-910-26	53-11-610-26	53-11-310-26

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	1/4-20	1/4-20

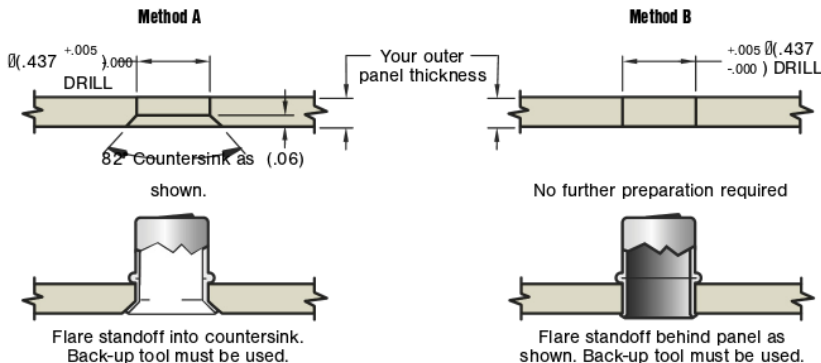
Screws will fully retract

(.13)	53-17-710-24 •	53-16-710-24 •	53-11-410-24 •	53-11-110-24 •
(.19)	53-17-810-24 •	53-16-810-24 •	53-11-510-24 •	53-11-210-24 •
(.25)	53-17-910-24 •	53-16-910-24 •	53-11-610-24 •	53-11-310-24 •

your 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

Installation

To Install Standoff



Material and Finish

SCREW, SPRING, and RETAINER: 302 Stainless steel, passivated.
STAINLESS steel, passivated.
STANDOFF: 305 Stainless steel, passivated plus black organic coating.
SPRING and RETAINER: 302 Stainless steel, passivated.

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

millimeter (inch)
millimeter (inch)

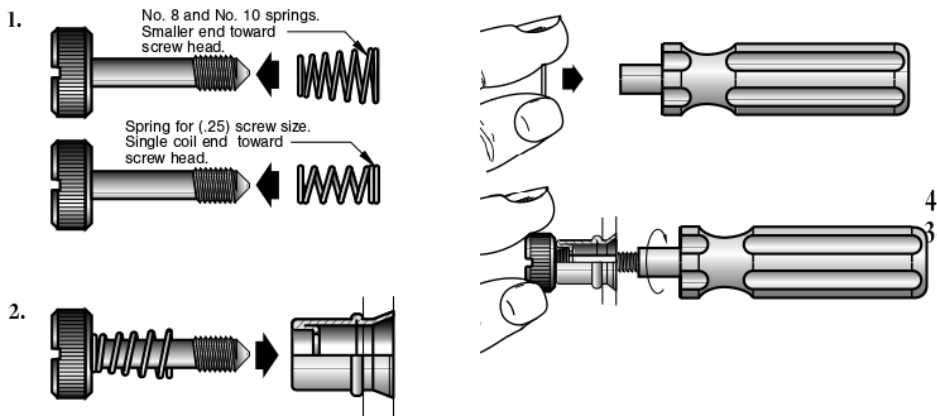
Dimensions without tolerances are for reference only.

Southco® Captive Fasteners

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

Installation

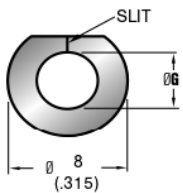
To Captivate Screw



To Captivate Screw

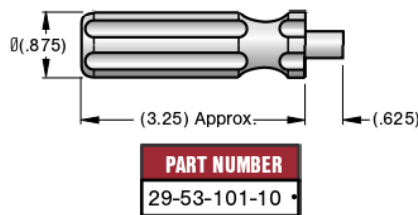
1. Slip spring over shank of screw. Spring must be oriented as shown in diagram.
2. Insert screw (with spring in place) through hole in standoff.
3. Insert retainer into recess in end of tool.
4. Hold screw head and rotate tool until retainer is threaded onto throat of screw.

Split Ring Retainer

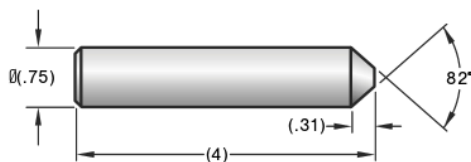


SCREW THREAD SIZE	D
No. 8	(.139)
No. 10-32	(.165)
1/4-20	(.202)
No. 10-24	(.149)

Installation Tool for Retainers



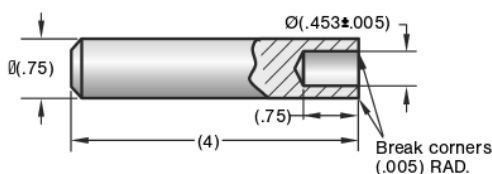
Standoff Installation Tools



FLARING PUNCH

PART NUMBER
90-2824-11

Material
Steel, hardened.



BACK-UP TOOL

PART NUMBER
90-2825-11

Material
Steel, hardened.

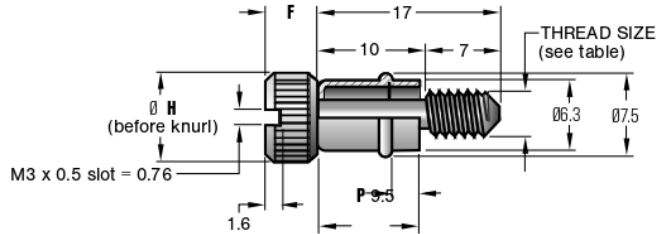
millimeter (inch)
millimeter
(inch)

Dimensions without tolerances are for reference only.

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 thickness

YOUR OUTER PANEL THICKNESS		DIMENSION			THREAD SIZE	PART NUMBERS
MIN.	MAX.	ØH	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

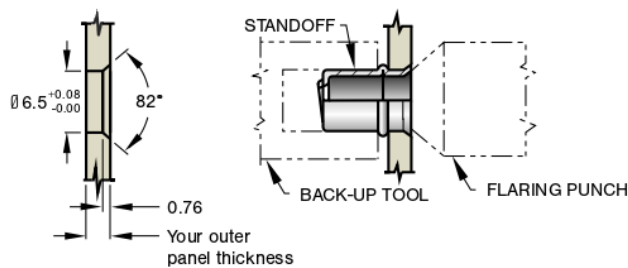
BRIGHT POLISHED screw assemblies



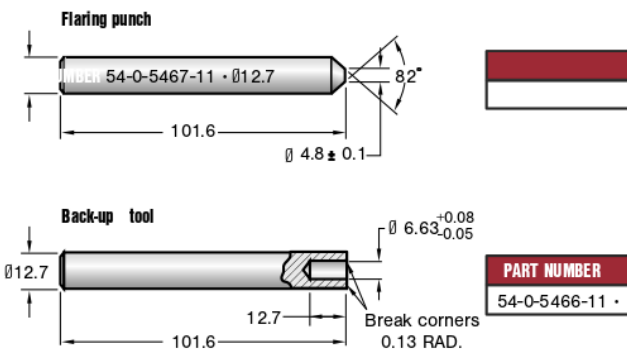
1.3	1.7	7.1	4.0	1.6	M3 x 0.5	51-72-410-24 •
2.1	2.5			2.3		51-72-510-24 •
2.9	3.3			3.2		51-72-610-24 •

To Install Standoff

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



Standoff Installation Tools (order separately).



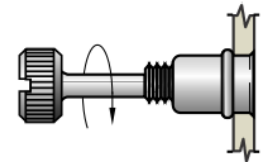
Material
Hardened steel.

Material
Hardened steel.

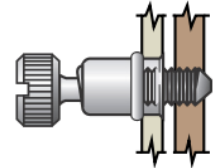


To Captivate Screw

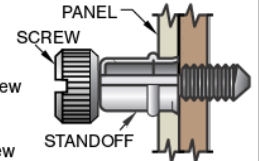
Thread screw through hole in top surface of standoff.



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.

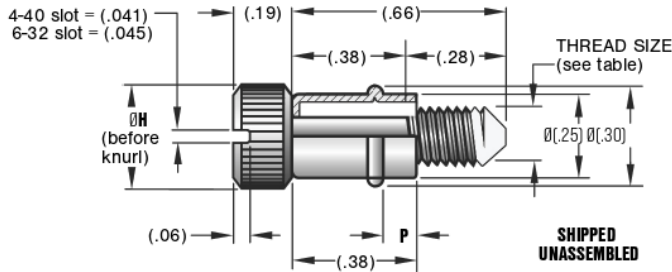
millimeter (inch)
millimeter (inch)

Dimensions without tolerances are for reference only.

Southco® Captive Fasteners

Polished Series, 4-40 and 6-32 Thread

- Simple design
- Highly polished appearance



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]

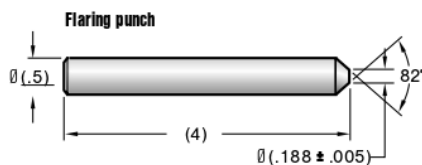
[.05]	[.06]	[.07]	51-10-406-26	51-18-406-26	[.06]
[.08]	[.09]	[.10]	51-10-506-26	51-18-506-26	[.09]
[.11]	[.12]	[.13]	51-10-606-26	51-18-606-26	[.13]

BRIGHT POLISHED screw assemblies

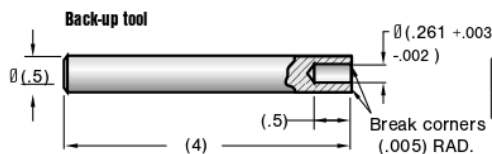
OUTER PANEL THICKNESS			4-40	6-32	P
MIN.	NOM.	MAX.	Ø H = (.31)	Ø H = (.31)	
[.05]	[.06]	[.07]	51-10-406-24 •	51-18-406-24 •	[.06]
[.08]	[.09]	[.10]	51-10-506-24 •	51-18-506-24 •	[.09]
[.11]	[.12]	[.13]	51-10-606-24 •	51-18-606-24 •	[.13]

[.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 •



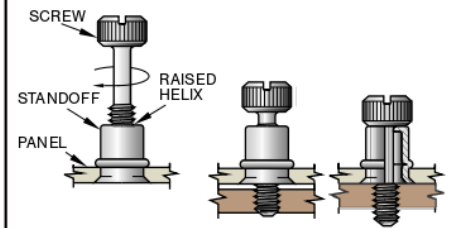
PART NUMBER
54-0-5466-11 •

Material
Hardened steel.

Material
Hardened steel.



To Captivate Screw



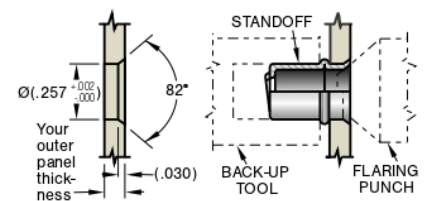
1. Thread screw through hole in top surface of standoff.
2. Bring panels together. Thread screw tightly into frame until under surface of screw head completely flattens the raised helix. Withdraw screw to ensure it is fully captivated.

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.

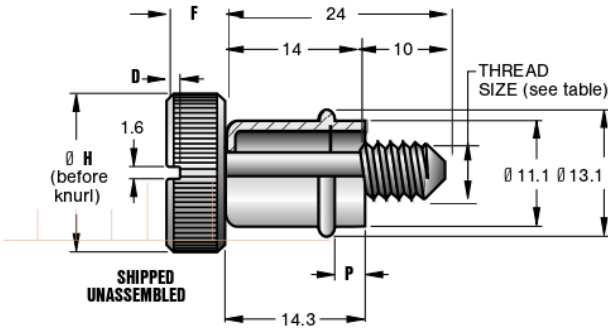
millimeter (inch)
 millimeter (inch)

Dimensions without tolerances are for reference only.

Southco® Captive Fasteners

Polished Series, M4, M5, and M6 Thread

- Simple design
- Highly polished appearance



DIMENSIONS				THREAD SIZE	PART NUMBERS
P	ØH	D	F		

BLACK screw assemblies

3.2				M4 X 0.7	51-74-71 4-26
4.8	10.3	1.6	6.0	M4 X 0.7	51-74-81 4-26
6.3				M4 X 0.7	51-74-91 4-26
3.2				M5 X 0.8	51-76-71 4-26
4.8	11.1	1.6	6.3	M5 X 0.8	51-76-81 4-26
6.3				M5 X 0.8	51-76-91 4-26
3.2				M6 X 1.0	51-77-41 4-26
4.8	14.3	2.3	6.3	M6 X 1.0	51-77-51 4-26
6.3				M6 X 1.0	51-77-61 4-26

BRIGHT POLISHED screw assemblies

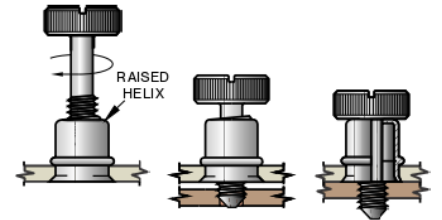
3.2				M4 X 0.7	51-74-71 4-24 •
4.8	10.3	1.6	6.0	M4 X 0.7	51-74-81 4-24 •
6.3				M4 X 0.7	51-74-91 4-24 •
3.2				M5 X 0.8	51-76-71 4-24 •
4.8	11.1	1.6	6.3	M5 X 0.8	51-76-81 4-24 •
6.3				M5 X 0.8	51-76-91 4-24 •
3.2				M6 X 1.0	51-77-41 4-24 •
4.8	14.3	2.3	6.3	M6 X 1.0	51-77-51 4-24 •
6.3				M6 X 1.0	51-77-61 4-24 •

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

Method A

Ø 11.1+0.13-0.00

82° 1.6 Countersink as

shown.

Flare standoff into countersink. Back-up tool must be used.

Your outer panel thickness

Method B

Ø 11.1-0.00-0.13

No further preparation required.

Flare standoff behind panel as shown. Back-up tool must be used.

Ø 19

Ø 19

102

102

Standoff Installation Tools

(Order separately)

Ø 11.5 ± 0.1

Back-up tool

90-2825-11

Material

Break corners 0.13 rad.

Mild steel.

Flaring punch

82°

90-2824-11

Material

Hardened steel.

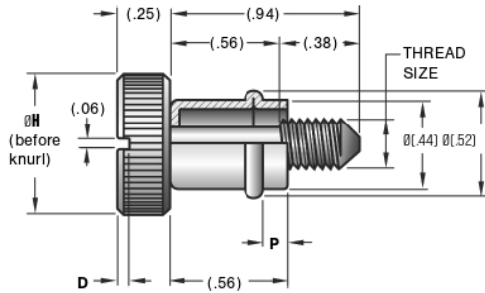
millimeter [inch]
millimeter [inch]

Dimensions without tolerances are for reference only.

Southco® Captive Fasteners

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

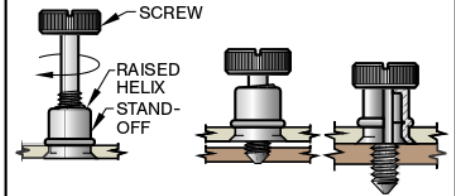
- Simple design
- Highly polished appearance



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.

Slotted BLACK screw assemblies

P	ØH = (.44)		ØH = (.56)	ØH = (.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	ØH = (.44)		ØH = (.56)	ØH = (.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 •

Material and Finish

SCREWS: 302 Stainless steel.
STANDOFFS: 305 Stainless steel. SCREWS and STANDOFFS are passivated or are passivated and have black organic coating.

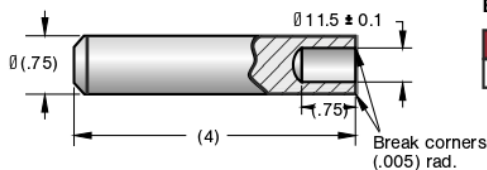
TO SELECT PROPER SCREW ASSEMBLY

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

Standoff Installation Tools

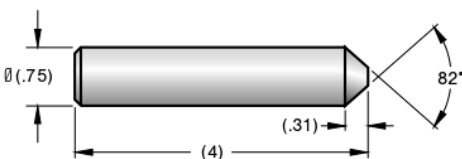
(Order separately)



Back-up tool

PART NUMBER
90-2825-11

Material
Mild steel.

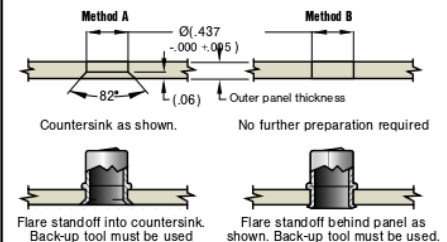


Flaring punch

PART NUMBER
90-2824-11

Material
Hardened steel.

To Install Standoff



Flare standoff into countersink. Back-up tool must be used. No further preparation required. Flare standoff behind panel as shown. Back-up tool must be used.

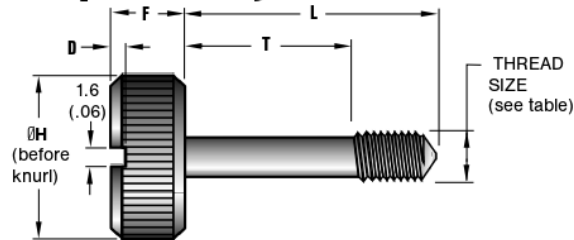
millimeter [inch]
millimeter [inch]

Dimensions without tolerances are for reference only.

Southco® Captive Fasteners

Basic Series

- Generous knob for hand operation
- Highly polished appearance
- Captivated by retainer



ØH	D	F
14.3 (.56)	1.3 (.09)	6.3 (.25)
11.1 (.44)	1.6 (.06)	6.3 (.25)
10.3 (.41)	1.6 (.06)	6.0 (.24)



English Thread Sizes

Dimensions		PART NUMBERS		
		ØH = 11.1 (.44)	ØH = 14.3 (.56)	
L	T	8-32	10-32	1/4-20
24 (.94)	14 (.56)	58-27-309-24	58-26-309-24	58-21-209-24
25 (1.00)	16 (.63)	58-27-310-24	58-26-310-24	58-21-210-24
27 (1.06)	17.5 (.69)	58-27-311-24	58-26-311-24	58-21-211-24
28.6 (1.13)	19 (.75)	58-27-312-24	58-26-312-24	58-21-212-24
30.2 (1.19)	20.6 (.81)	58-27-313-24	58-26-313-24	58-21-213-24
31.8 (1.25)	22.2 (.88)	58-27-314-24	58-26-314-24	58-21-214-24
33.3 (1.31)	23.8 (.94)	58-27-315-24	58-26-315-24	58-21-215-24
35 (1.38)	25.4 (1.00)	58-27-316-24	58-26-316-24	58-21-216-24

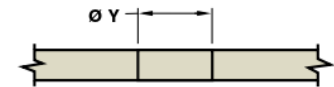
Note: For screws with BLACK Finish, change the last digit of your Part Number from a "4" to a "6".

Example: 58-27-309-26

Metric Thread Sizes

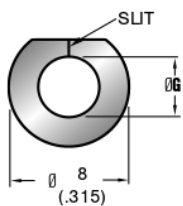
Dimensions		ØH = 10.3 (.41)	ØH = 11.1 (.44)	ØH = 14.3 (.56)
L	T	M4 x 0.7	M5 x 0.8	M6 x 1.0
24 (.94)	14 (.55)	58-74-314-24	58-76-314-24	58-77-214-24
26 (1.02)	16 (.63)			58-77-216-24

Panel Preparation



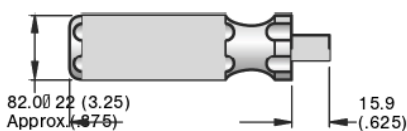
THREAD SIZE	ØY	THREAD SIZE	ØY
No. 8-32	(.170)	M4 x 0.7	4.5
No. 10-32	(.196)	M5 x 0.8	5.5
1/4-20	(.257)	M6 x 1.0	6.6

Split Ring Retainer



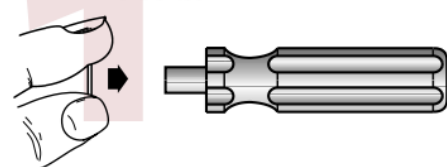
Screw Thread Size	ØG	PART NUMBER
M4 x 0.7	3.5 (.139)	58-45-5-24
No. 8-32	4.2 (.165)	58-42-5-24
M5 x 0.8	5.1 (.202)	58-41-2-24

Installation Tool (order separately)

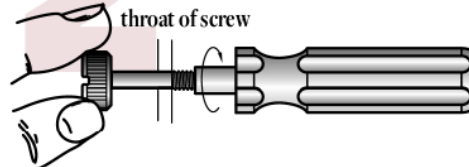


PART NUMBER
29-53-101-10*

Insert retainer into recess in end of tool.



Hold screw head and rotate tool until retainer is threaded onto throat of screw



millimeter (inch)
millimeter (inch)

Dimensions without tolerances are for reference only.

R3-10-311-10 R3-10-311-50 R3-10-311-70 R3-10-321-10 R3-10-321-50
01-13-51 01-13-55
01-13-61 01-13-65 01-14-101-15 01-14-102-15 01-23-11 01-23-15
01-23-21
01-23-25 01-23-31 01-23-35 01-23-41 01-23-45 01-23-51
01-23-55