

51 Captive Screws

Polished · M3 thread size

Features

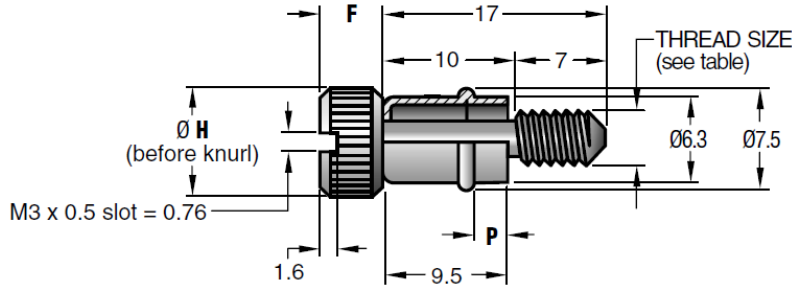
- Simple design
- Highly polished appearance

Notes

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

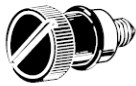
Material

- Screws: 302 stainless steel
- Standoffs: 305 stainless steel
- Above parts are passivated or are passivated with black organic coating



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

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

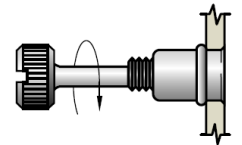
BRIGHT POLISHED screw assemblies



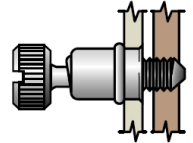
1.3	1.7	7.1	4.0	1.6	M3 x 0.5	51-72-410-24
2.1	2.5			2.3		51-72-510-24
2.9	3.3			3.2		51-72-610-24

To Captivate Screw

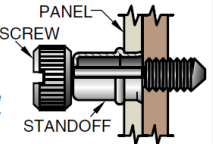
Thread screw through hole in top surface of standoff.



Bring panels together.

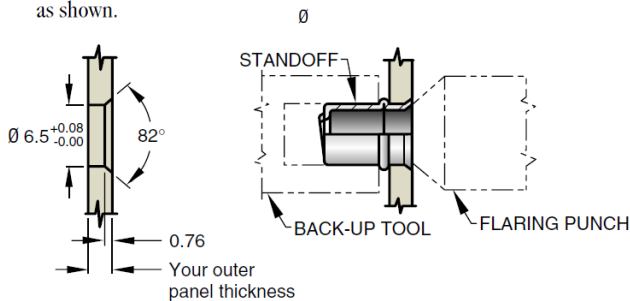


Thread screw tightly into frame until under-surface of screw head completely flattens the raised helix. With draw screw to ensure it is fully captivated.

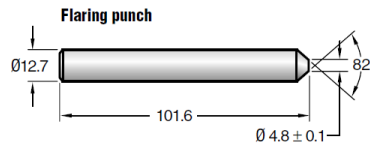


To Install Standoff

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

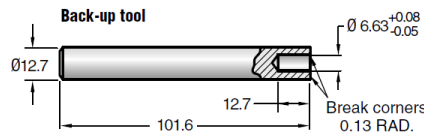


Standoff Installation Tools (order separately).



PART NUMBER
54-0-5467-11

Material
Hardened steel



PART NUMBER
54-0-5466-11

Material
Hardened steel

51 Captive Screws

Polished · M4, M5, and M6 thread size

Features

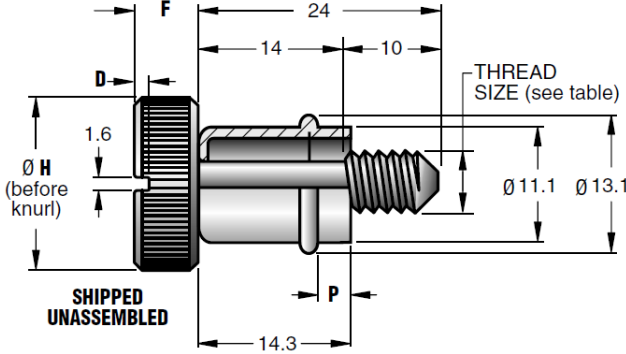
- Simple design
- Highly polished appearance

Notes

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

Material

- Screws: 302 stainless steel
- Standoffs: 305 stainless steel
- Above parts are passivated or are passivated with black organic coating



SHIPPED UNASSEMBLED

DIMENSIONS				THREAD SIZE	PART NUMBERS
P	Ø H	D	F		

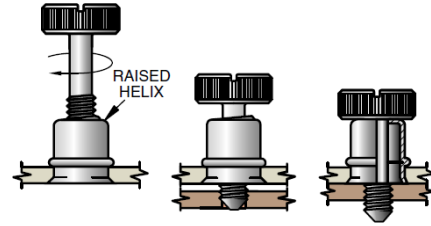
BLACK screw assemblies

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

BRIGHT POLISHED screw assemblies

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

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.

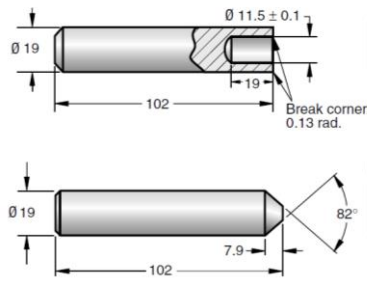
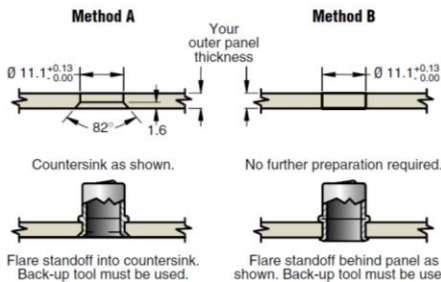
Your Outer Panel Thickness		Select an assembly with P dim. of:	Use this installation method
MIN.	MAX.		
1.6	1.9	3.2	B
2.3	3.6	4.8	B
2.8	3.6	3.2	A
3.9	5.2	6.3	B
4.4	5.2	4.8	A
5.9	6.7	6.3	A

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

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.

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51 Captive Screws

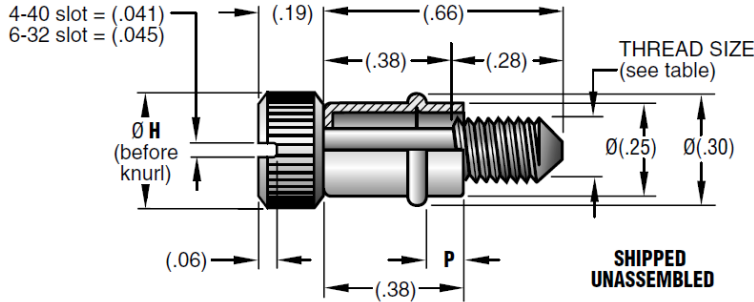
Polished · 4-40 and 6-32 thread size

Features

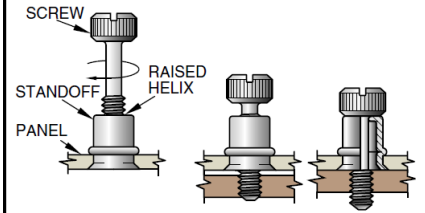
- Simple design
- Highly polished appearance

Material

- 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



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.

BLACK screw assemblies

OUTER PANEL THICKNESS			4-40	6-32	P
MIN.	NOM.	MAX.	Ø H = (.31)	Ø H = (.31)	

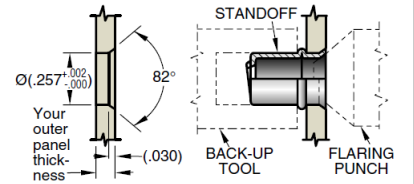
(.05)	(.06)	(.07)	51-10-406-26	51-18-406-26	(.06)
(.08)	(.09)	(.10)	51-10-506-26	51-18-506-26	(.09)
(.11)	(.12)	(.13)	51-10-606-26	51-18-606-26	(.13)

BRIGHT POLISHED screw assemblies

OUTER PANEL THICKNESS			4-40	6-32	P
MIN.	NOM.	MAX.	Ø H = (.31)	Ø H = (.31)	

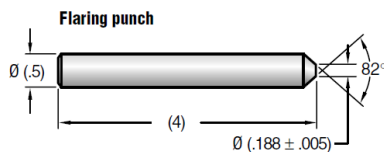
(.05)	(.06)	(.07)	51-10-406-24	51-18-406-24	(.06)
(.08)	(.09)	(.10)	51-10-506-24	51-18-506-24	(.09)
(.11)	(.12)	(.13)	51-10-606-24	51-18-606-24	(.13)

To Install Standoff



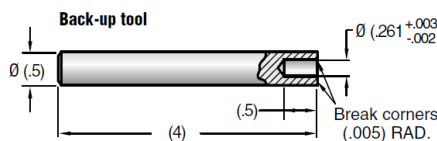
1. Prepare panel.
2. Insert standoff into hole and flare into countersink as shown.

Standoff Installation Tools (order separately).



PART NUMBER
54-0-5467-11

Material
Hardened steel.



PART NUMBER
54-0-5466-11

Material
Hardened steel.

51 Captive Screws

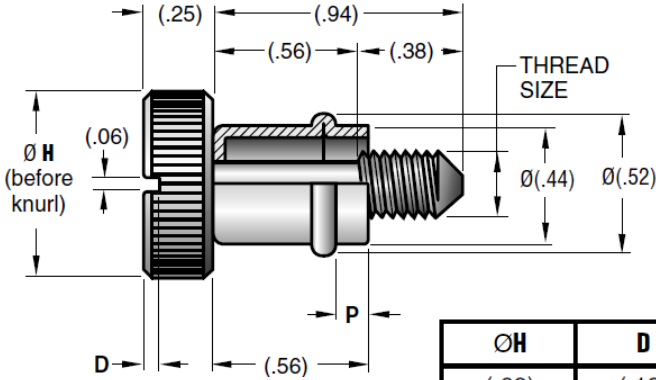
Polished · 8-32, 10-32 and 1/4-20 thread size

Features

- Simple design
- Highly polished appearance

Material

- Screws: 302 Stainless steel
- Standoffs: 305 Stainless steel
- Above parts are passivated or are passivated with black organic coating



Ø H	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	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

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.

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

Method A: Countersink as shown. Flare standoff into countersink. Back-up tool must be used.

Method B: No further preparation required. Flare standoff behind panel as shown. Back-up tool must be used.

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.

