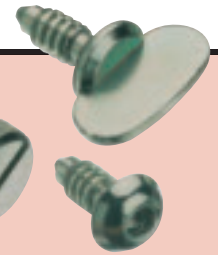


Southco® Captive Fasteners



Fast-lead Thread Screws

- Fast-lead threads travel twice as fast as standard threads
- Resist cross-threading
- Quick access
- Floating assemblies accommodate misalignment
- One screw assembly fastens a range of thicknesses

How to choose a Captive Screw assembly

1. Choose size: 09 (small); 12 (medium); 17 (large).
[See pages 258 to 263]
2. Determine door and frame configuration, (Figure A).
Max. door thickness = _____.
Total mat'l. thickness = _____.
3. Choose receptacle (Figure B).
[Not all receptacles are available for every size; check corresponding pages for availability].
 - Flat type
 - Clip-on type
 - Saddle type
 - Side-mount type
 - Press-in type
4. Choose retainer (Figure C).
 - Stainless steel
 - Nylon
5. Enter "constant" table (Figure D) for receptacle/retainer combination.
6. Add "constant" to your total material thickness, (or distance from top of side-mount receptacle) and enter this into **Column I** of the screw assembly selection table (pages 258 to 263). Find the range that most closely brackets your thickness requirement.
7. Enter **Column II**. Your outer panel thickness must not exceed the maximum listed.
8. Choose finish and head style.
9. Order all 4 parts:
 - Screw assembly
 - Retainer
 - Receptacle
 - Installation tool

Headstyles

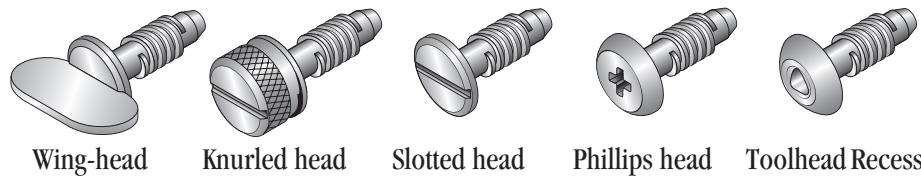


Figure A - Configuration

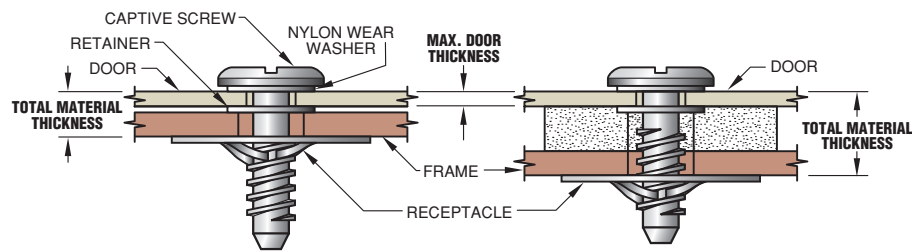


Figure B - Receptacles

Flat type

- Small envelope
- Available either rivet type or weld type
- Anywhere in frame

Clip-on type

- Simple installation
- Ideal for near edge mounting

Saddle type

- Permits multiple screw assemblies on the same door while allowing one screw to fully retract from receptacle
- Rivet or weld type

Side-mount type

- Permits mounting to plane surface perpendicular to door surface

Press-in type

- Simple installation
- Small envelope
- For metal panels only

Figure C - Retainers

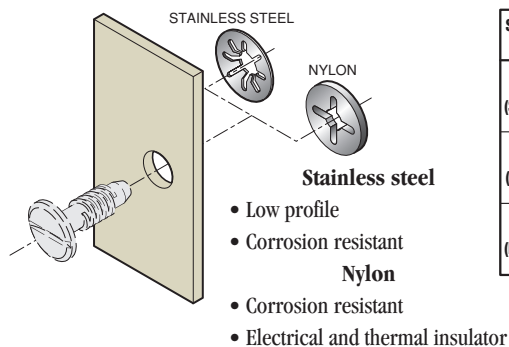


Figure D - Constant table

Screw size	Retainer type	RECEPTACLE TYPE				
		Flat	Clip	Saddle	Side	Press-in
09 (Small)	Stainless	.30 (.012)	1.0 (.032)	4.5 (.177)	—	-1.3 (-.050)
	Nylon	1.1 (.043)	1.6 (.063)	5.3 (.208)	—	-0.5 (-.020)
12 (Med.)	Stainless	.38 (.015)	1.1 (.045)	4 (.156)	1.5 (.060)	-1.3 (-.050)
	Nylon	1.4 (.054)	2.0 (.079)	5.31 (.210)	1.5 (.060)	-0.5 (-.020)
17 (Large)	Stainless	.38 (.015)	2.2 (.086)	—	1.5 (.060)	—
	Nylon	1.9 (.076)	3.5 (.137)	—	1.5 (.060)	—

millimeter (inch)
millimeter (inch)

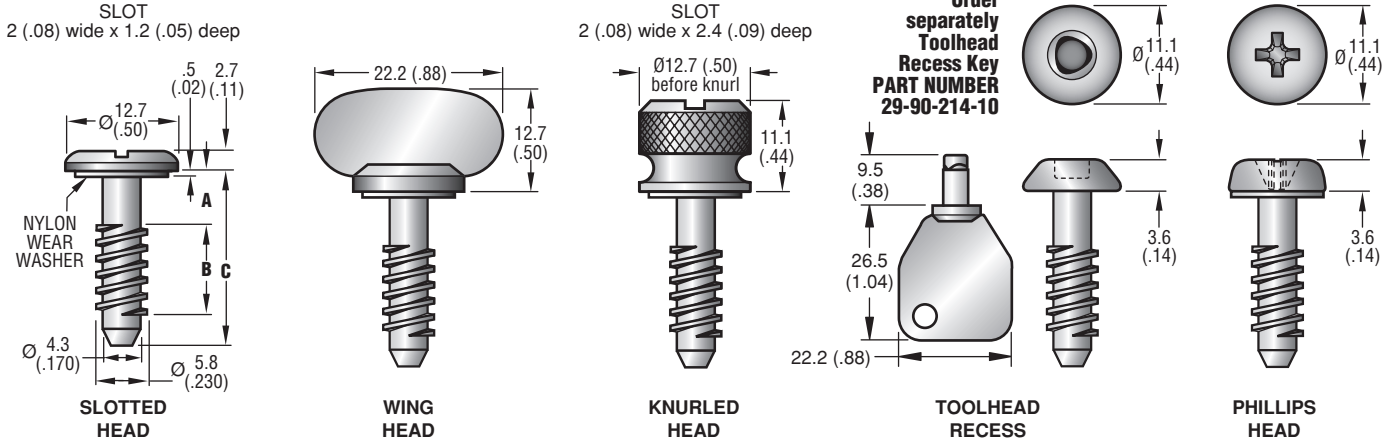
Dimensions without tolerances are for reference only.

Southco® Captive Fasteners

Fast-lead Thread Screws, Medium size

- Five head styles
- Five receptacle styles

See Page 257 for ordering instructions.



COL. I		COL. II	SCREW ASSEMBLY PART NUMBERS					DIMENSIONS		
Range of total thickness to be fastened		MAX. thickness of outer panel	Low carbon steel, case hardened, zinc plate, chromate plus sealer					A	B (For full screw retraction, "B" must be less than inner panel thickness plus receptacle height)	C
			SLOTTED	WING	KNURLED	TOOLHEAD RECESS	PHILLIPS			
MIN.	MAX.									
1.3 (.050)	3.2 (.125)	0.6 (.025)	12-11-102-11 •	12-12-102-11	12-13-102-11	12-T-102	12-P-102	2.5 (.100)	5.8 (.228)	12.3 (.486)
2.5 (.100)	3.2 (.125)	1.9 (.075)	12-11-103-11 •	12-12-103-11	12-13-103-11	12-T-103	12-P-103	3.8 (.150)	4.5 (.178)	
1.3 (.050)	6.4 (.250)	0.6 (.025)	12-11-202-11 •	12-12-202-11	12-13-202-11	12-T-202 •	12-P-202	2.5 (.100)	9 (.353)	15.5 (.611)
2.5 (.100)	6.4 (.250)	1.9 (.075)	12-11-203-11 •	12-12-203-11 •	12-13-203-11 •	12-T-203 •	12-P-203 •	3.8 (.150)	7.7 (.303)	
3.8 (.150)	6.4 (.250)	3.2 (.125)	12-11-204-11 •	12-12-204-11 •	12-13-204-11 •	12-T-204 •	12-P-204	5.1 (.200)	6.4 (.253)	
5.1 (.200)	6.4 (.250)	4.5 (.175)	12-11-205-11 •	12-12-205-11	12-13-205-11 •	12-T-205 •	12-P-205	6.4 (.250)	5.2 (.203)	
1.3 (.050)	9.5 (.375)	0.6 (.025)	12-11-302-11 •	12-12-302-11	12-13-302-11	12-T-302	12-P-302	2.5 (.100)	12.1 (.478)	18.7 (.736)
2.5 (.100)	9.5 (.375)	1.9 (.075)	12-11-303-11 •	12-12-303-11 •	12-13-303-11 •	12-T-303	12-P-303	3.8 (.150)	10.9 (.428)	
3.8 (.150)	9.5 (.375)	3.2 (.125)	12-11-304-11 •	12-12-304-11 •	12-13-304-11 •	12-T-304	12-P-304	5.1 (.200)	9.6 (.378)	
5.1 (.200)	9.5 (.375)	4.5 (.175)	12-11-305-11 •	12-12-305-11 •	12-13-305-11 •	12-T-305	12-P-305 •	6.4 (.250)	8.3 (.328)	
7.6 (.300)	9.5 (.375)	7 (.275)	12-11-307-11 •	12-12-307-11	12-13-307-11	12-T-307	12-P-307	8.9 (.350)	5.8 (.228)	
2.5 (.100)	12.7 (.500)	1.9 (.075)	12-11-403-11 •	12-12-403-11	12-13-403-11	12-T-403	12-P-403	3.8 (.150)	14.1 (.553)	21.9 (.861)
3.8 (.150)	12.7 (.500)	3.2 (.125)	12-11-404-11 •	12-12-404-11 •	12-13-404-11 •	12-T-404	12-P-404	5.1 (.200)	12.8 (.503)	
5.1 (.200)	12.7 (.500)	4.5 (.175)	12-11-405-11 •	12-12-405-11	12-13-405-11 •	12-T-405	12-P-405	6.4 (.250)	11.5 (.453)	
7.6 (.300)	12.7 (.500)	7 (.275)	12-11-407-11 •	12-12-407-11	12-13-407-11 •	12-T-407	12-P-407 •	8.9 (.350)	9 (.353)	
10.2 (.400)	12.7 (.500)	9.5 (.375)	12-11-409-11 •	12-12-409-11	12-13-409-11	12-T-409	12-P-409	11.4 (.450)	6.4 (.253)	
2.5 (.100)	15.9 (.625)	1.9 (.075)	12-11-503-11 •	12-12-503-11	12-13-503-11	12-T-503	12-P-503	3.8 (.150)	17.2 (.678)	25 (.986)
3.8 (.150)	15.9 (.625)	3.2 (.125)	12-11-504-11 •	12-12-504-11	12-13-504-11	12-T-504	12-P-504	5.1 (.200)	16 (.628)	
5.1 (.200)	15.9 (.625)	4.5 (.175)	12-11-505-11 •	12-12-505-11	12-13-505-11	12-T-505	12-P-505	6.4 (.250)	14.7 (.578)	
7.6 (.300)	15.9 (.625)	7 (.275)	12-11-507-11 •	12-12-507-11	12-13-507-11	12-T-507	12-P-507	8.9 (.350)	12.1 (.478)	
10.2 (.400)	15.9 (.625)	9.5 (.375)	12-11-509-11	12-12-509-11	12-13-509-11	12-T-509	12-P-509	11.4 (.450)	9.6 (.378)	
12.7 (.500)	15.9 (.625)	12.1 (.475)	12-11-511-11	12-12-511-11	12-13-511-11	12-T-511	12-P-511	14 (.550)	7.1 (.278)	
2.5 (.100)	19.1 (.750)	1.9 (.075)	12-11-603-11 •	12-12-603-11	12-13-603-11	12-T-603	12-P-603	3.8 (.150)	20.4 (.803)	28.2 (1.111)
3.8 (.150)	19.1 (.750)	3.2 (.125)	12-11-604-11 •	12-12-604-11	12-13-604-11 •	12-T-604	12-P-604	5.1 (.200)	19.1 (.753)	
5.1 (.200)	19.1 (.750)	4.5 (.175)	12-11-605-11 •	12-12-605-11 •	12-13-605-11	12-T-605	12-P-605	6.4 (.250)	17.9 (.703)	
7.6 (.300)	19.1 (.750)	7 (.275)	12-11-607-11 •	12-12-607-11	12-13-607-11	12-T-607	12-P-607	8.9 (.350)	15.3 (.603)	
10.2 (.400)	19.1 (.750)	9.5 (.375)	12-11-609-11 •	12-12-609-11	12-13-609-11	12-T-609	12-P-609	11.4 (.450)	12.8 (.503)	
12.7 (.500)	19.1 (.750)	12.1 (.475)	12-11-611-11 •	12-12-611-11	12-13-611-11	12-T-611	12-P-611	14 (.550)	10.2 (.403)	
15.3 (.600)	19.1 (.750)	14.6 (.575)	12-11-613-11 •	12-12-613-11	12-13-613-11	12-T-613	12-P-613	16.5 (.650)	7.7 (.303)	
17.8 (.700)	19.1 (.750)	17.2 (.675)	12-11-615-11	12-12-615-11	12-13-615-11	12-T-615	12-P-615	19.1 (.750)	5.2 (.203)	

Slotted, wing and knurled headstyles are available in stainless steel. Contact Southco for details.

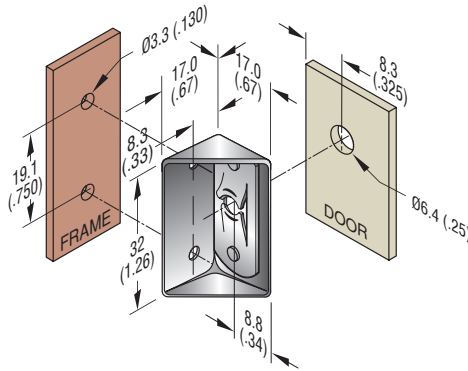
Longer screws and black finish available. Contact Southco for details.

Captive Fasteners
Fast-lead Thread Screws

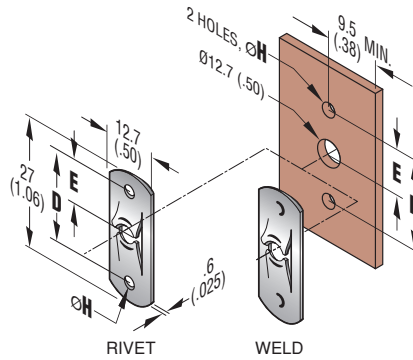
Southco® Captive Fasteners

Fast-lead Thread Screws, Medium size Receptacles and Retainers

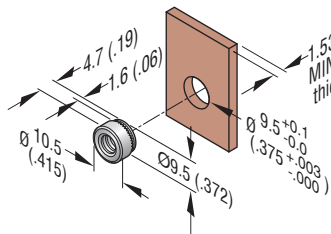
Side mount receptacle



Flat type receptacle

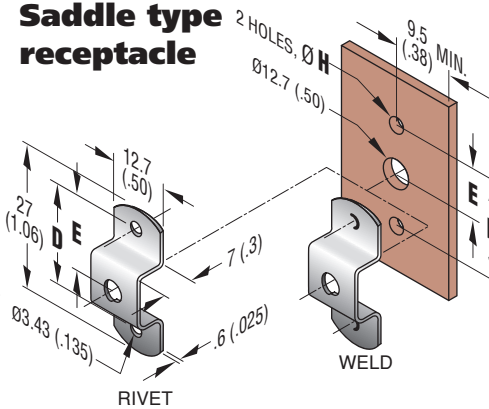


Press-in receptacle

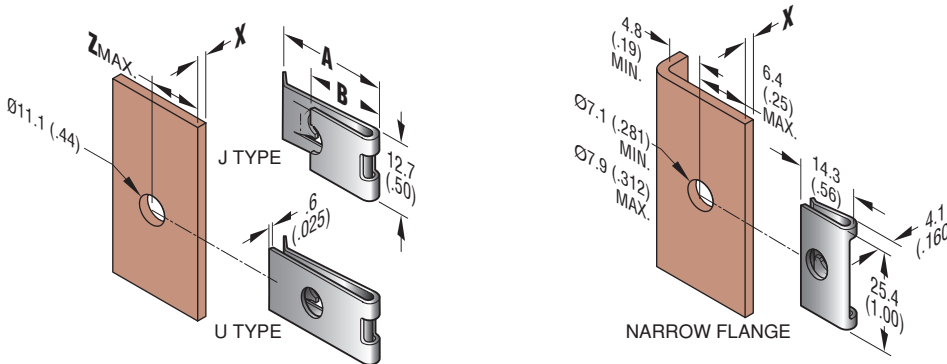


NOTE: For use in low carbon steels, aluminum and stainless steels in the annealed condition that are R_p 85 or softer. Recommended minimum distance from edge of panel to centerline of hole is 14.3 (.563). When installing, press until top of knurl is barely visible.

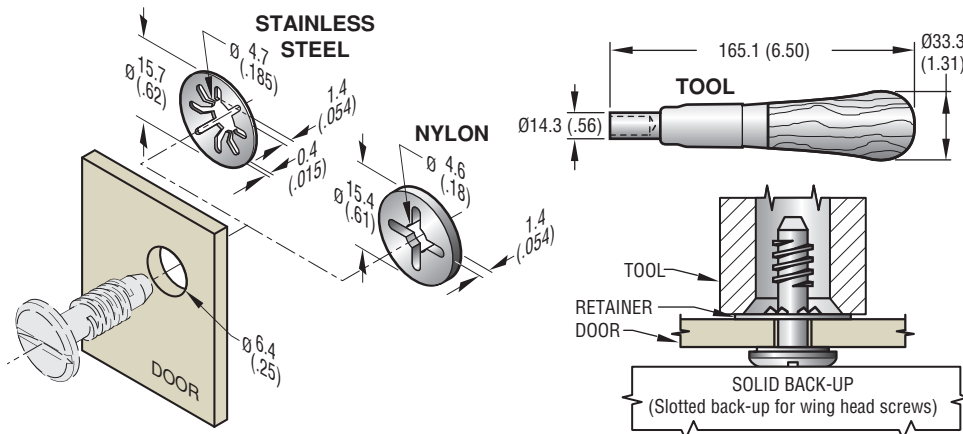
Saddle type receptacle



Clip-on type receptacle



Retainers



SIDE MOUNT RECEPTACLE PART NUMBER

12-90-101-10 •

FLAT RECEPTACLE PART NUMBERS

TYPE	MATERIAL AND FINISH	D	E	ØH	PART NUMBERS
RIVET	1064 Steel, DACROSEALED†	19.1 (.750)	9.5 (.375)	2.7 (.105)	12-11015-13 •
		19.1 (.750)	9.5 (.375)	3.4 (.135)	12-11020-11 •
	302 Stainless steel, passivated	19.1 (.750)	9.5 (.375)	2.7 (.105)	12-11015-14 •
		19.1 (.750)	9.5 (.375)	3.4 (.135)	12-11020-13 •
WELD	—	—	—	12-11016-11 •	

PRESS-IN RECEPTACLE PART NUMBER

Low carbon steel, case hardened and zinc plate, chromate plus sealer.

12-44-101-11 •

SADDLE RECEPTACLE PART NUMBERS

TYPE	MATERIAL AND FINISH	D	E	ØH	PART NUMBERS
RIVET	1070 Steel, DACROSEALED†	19.1 (.750)	9.5 (.375)	3.4 (.135)	12-11043-11 •
		19.1 (.750)	9.5 (.375)	3.4 (.135)	12-11043-12 •
WELD	302 Stainless steel, passivated	—	—	—	12-11044-12 •

CLIP-ON RECEPTACLE PART NUMBERS

TYPE	Material and Finish	X	A	B	Z max.	PART NUMBERS
J	1064 Steel, DACRO-SEALED†	.8 (.031)-2.8 (.109)	24.8 (.98)	14.9 (.59)	12.7 (.50)	12-11025-11 •
		.8 (.031)-2.8 (.109)	25.9 (1.02)	14.9 (.59)	12.7 (.50)	12-11017-11 •
		2.8 (.109)-4.1 (.161)	25.9 (1.02)	14.9 (.59)	11.9 (.47)	12-11027-11 •
		4.1 (.161)-5.5 (.213)	24.8 (.98)	14.9 (.59)	11.1 (.44)	12-11029-11 •
		5.4 (.213)-6.7 (.265)	24.5 (.97)	13.4 (.53)	11.1 (.44)	12-11031-11 •
		8 (.031)-2.8 (.109)	25.9 (1.02)	14.9 (.59)	12.7 (.50)	12-11017-12 •
U	17-7 PH Stainless steel, passivated	2.8 (.109)-4.1 (.161)	25.9 (1.02)	15.5 (.61)	11.9 (.47)	12-11027-12 •
		4.1 (.161)-5.5 (.213)	24.8 (.98)	14.9 (.59)	11.1 (.44)	12-11029-11 •
Narrow flange	1064 Steel, DACRO-SEALED†	.8 (.031)-2.8 (.109)	—	—	6.4 (.25)	12-11050-27 •

RETAINER PART NUMBERS

304 Stainless steel, passivated	Nylon, black	TOOL PART NUMBER
12-6-1 •	12-11064-42 •	12-0-20980-11 •

Material and Finish

Side mount receptacle type:

RECEPTACLE: 1064 Steel, DACROTIZED†.

BRACKET: 1010 Steel, zinc plate, chromate plus sealer.

RIVET: Aluminum.

All other receptacle types: See tables.

†Registered trademark of Metal Coatings International, Inc.
millimeter (inch)
millimeter (inch)

Dimensions without tolerances are for reference only.