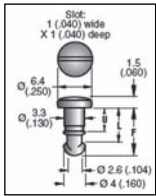
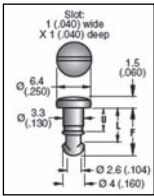


SOUTHCO FASTENERS

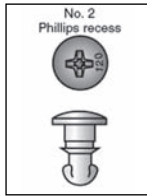
FLUSH SLOTTED



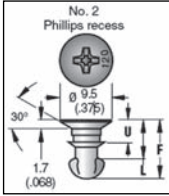
OVAL SLOTTED



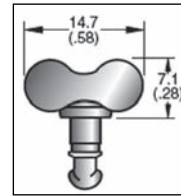
SOUTHCO STUDS OVAL PHILLIPS



FLUSH PHILLIPS



WING HEAD



| Flush Head #82 Dacrotized Slotted | |
|-----------------------------------|--------|
| Part No. | Price |
| 82-14-120-16 | \$1.19 |
| Flush Head #82 Stnls Phillips | |
| Part No. | Price |
| 82-28-100-16 | \$0.81 |
| 82-28-120-16 | \$0.70 |
| 82-28-140-16 | \$0.78 |
| 82-28-160-16 | \$1.29 |
| 82-28-180-16 | \$0.78 |
| 82-28-200-16 | \$0.78 |
| 82-28-220-16 | \$0.81 |
| 82-28-240-16 | \$0.81 |
| 82-28-260-16 | \$0.78 |
| 82-28-280-16 | \$0.73 |
| 82-28-300-16 | \$0.73 |
| 82-28-320-16 | \$0.73 |
| 82-28-340-16 | \$0.73 |

| Oval Head #82 Stnls Slotted | |
|----------------------------------|--------|
| Part No. | Price |
| 82-11-100-20 | \$1.14 |
| 82-11-120-20 | \$0.97 |
| 82-11-140-20 | \$1.82 |
| 82-11-160-20 | \$1.98 |
| 82-11-180-20 | \$1.58 |
| 82-11-200-20 | \$1.83 |
| 82-11-220-20 | \$1.14 |
| 82-11-240-20 | \$1.85 |
| 82-11-280-20 | \$0.92 |
| Oval Head #82 Dacrotized Slotted | |
| Part No. | Price |
| 82-11-100-16 | \$1.16 |
| 82-11-120-16 | \$1.30 |
| 82-11-140-16 | \$1.31 |
| 82-11-160-16 | \$1.38 |
| 82-11-180-16 | \$1.38 |
| 82-11-200-16 | \$1.35 |
| 82-11-220-16 | \$0.73 |
| 82-11-240-16 | \$1.31 |
| 82-11-260-16 | \$1.30 |

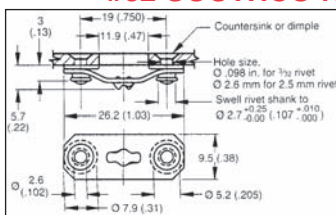
| Oval Head #82 Stnls Phillips | |
|------------------------------|--------|
| Part No. | Price |
| 82-19-120-20 | \$0.96 |
| 82-19-140-20 | \$0.98 |
| 82-19-160-20 | \$0.83 |
| 82-19-180-20 | \$1.17 |
| 82-19-200-20 | \$1.84 |
| 82-19-220-20 | \$1.17 |
| Oval Head #85 Stnls Slotted | |
| Part No. | Price |
| 85-11-100-20 | \$0.63 |
| 85-11-140-20 | \$3.60 |
| 85-11-160-20 | \$1.96 |
| 85-11-180-20 | \$1.98 |
| 85-11-200-20 | \$1.25 |
| 85-11-220-20 | \$1.20 |
| 85-11-240-20 | \$1.19 |
| 85-11-260-20 | \$1.63 |
| 85-11-280-20 | \$1.95 |
| 85-11-300-20 | \$1.97 |

| Wing Head #85 Zinc plate, chromate plus sealer | |
|--|--------|
| Part No. | Price |
| 85-12-140-16 | \$1.07 |
| 85-12-160-16 | \$1.00 |
| 85-12-180-16 | \$0.98 |
| 85-12-200-16 | \$0.95 |
| 85-12-220-16 | \$1.64 |
| 85-12-240-16 | \$0.93 |
| 85-12-260-16 | \$1.05 |
| 85-12-280-16 | \$0.93 |
| 85-12-300-16 | \$0.93 |
| 85-12-320-16 | \$0.93 |
| 85-12-340-16 | \$0.93 |
| 85-12-360-16 | \$0.93 |
| 85-12-380-16 | \$0.93 |
| 85-12-400-16 | \$0.93 |

| Wing Head #82 Dacrotized | |
|--------------------------|--------|
| Part No. | Price |
| 82-12-100-16 | \$1.65 |
| 82-12-120-16 | \$1.59 |
| 82-12-140-16 | \$1.56 |
| 82-12-160-16 | \$1.55 |
| 82-12-180-16 | \$1.56 |
| 82-12-200-16 | \$0.86 |
| 82-12-220-16 | \$1.18 |
| 82-12-240-16 | \$1.57 |
| 82-12-300-16 | \$1.56 |
| 82-12-340-16 | \$0.97 |

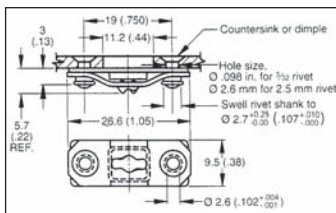
HA

#82 SOUTHCO RECEPTACLES



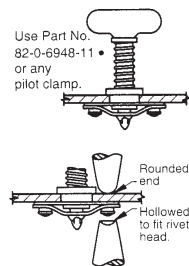
FLOATING FOR RIVETING W/O BASE - This space saving stainless steel receptacle offers optimum weight savings by eliminating base.

FLOATING FOR RIVETING W/ BASE - Full-floating dacrotized steel receptacle is mounted to inside panel with two 3/32" rivets. Compact dimensions save space and weight.



FIXED FOR WELDING WITH BASE - Exactly the same as the receptacle with base above except this receptacle features two welding studs for installation by welding rather than rivets.

CLIP-ON RECEPTACLES - These versatile receptacles will fit material thickness from .020 to .190 by simply slipping over the hole and clipping in place. Easily removed as well, these receptacles do not require welding or riveting.



RUBBER VIBRATION ISOLATION RECEPTACLES - Use these receptacles where it is necessary to isolate vibration between panels.

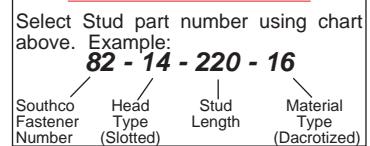
#85 RECEPTACLES
 Rivet Type - Receptacle Spring: 1064 steel, dacrotized
 Base: 1010 steel, dacrotized. P/N 85-35-295-15 \$1.22
 Receptacle Spring: 17-7 PH, stainless steel, passivated
 Base: 305 stainless steel, passivated. P/N 85-35-295-20 \$3.35/ea
 Weld Type - Receptacle Spring: 1064 steel, dacrotized
 Base: 1010 steel, dacrotized Rivet: steel, copper-plated.
 P/N 85-35-296-15 \$2.75/ea
 Clip-On Type - 17-7 PH stainless steel, passivated.
 P/N 85-47-101-20 \$1.49/ea

DETERMINING SOUTHCO STUD PART NO.

| Stud Length | Selection Chart | Material Thickness | Thickness Size |
|-------------|-----------------|--------------------|----------------|
| .090 - .109 | 100 | | |
| .110 - .129 | 120 | | |
| .130 - .149 | 140 | | |
| .150 - .169 | 160 | | |
| .170 - .189 | 180 | | |
| .190 - .209 | 200 | | |
| .210 - .229 | 220 | | |
| .230 - .249 | 240 | | |
| .250 - .269 | 260 | | |
| .270 - .289 | 280 | | |

Southco studs are commonly used to secure Cessna cowlings, particularly on models 150, 172, and 177. We stock the popular Southco No. 82 1/4 turn fastener studs, receptacles, and accessories.

TO DETERMINE PART NO.



SOUTHCO SEALING WASHER - This black synthetic washer is used under head of Southco Studs.....P/N 82-43-201-38 \$0.20/ea

SOUTHCO EJECTOR SPRING - This stainless steel spring enables the stud head to stand away from the panel when the unit is not fastened. When using the ejector spring, add two grip lengths to stud length to allow for spring and wear washer.P/N 43-13-1-24.....\$0.12/ea

SOUTHCO WEAR WASHER - A plastic washer to reduce wear around the Southco stud. When using wear washer add one grip length to stud length selection. P/N 82-46-101-39\$0.15/ea

SOUTHCO SPLIT RING RETAINER - Can be installed by hand or tool, and is fabricated from stainless steel. P/N 82-32-101-20\$0.09/ea

SOUTHCO SPLIT RING RETAINER TOOL - Designed to install Southco split ring retainers. P/N 82-0-7596-11\$27.65/ea

SOUTHCO PUSH-ON RETAINER - designed for installation using the retainer tool below. Stainless.....P/N 82-32-201-20\$0.08/ea
 Plastic.....P/N 82-32-301-12\$0.09/ea

SOUTHCO PUSH-ON RETAINER TOOL - An easy-to-use tool quickly installs Southco push-on retainers P/N 82-0-22542-11\$18.75/ea

SOUTHCO PUSH-ON RETAINER TOOL - An easy-to-use tool quickly installs Southco 85 Series push-on retainers. P/N 85-0-22543-11 \$39.25

#85 RETAINERS

Split Ring Hand or tool installation. Stainless steel.
 P/N 85-34-101-20 \$0.13/ea
Push-On Tool installation only. 302 Stainless Steel, Passivated
 P/N 85-34-201-20 \$0.13/ea
 Nylon Black .P/N 85-34-301-12.....\$0.10/ea

#85 THERMOPLASTIC (CUPPED NYLON) WEAR WASHER

Natural color. Order stud one size longer than size you would use without washer. Adjustment Formula: Add 0.51/.020 to your total material thickness.
 P/N 85-46-101-39\$0.15/ea