

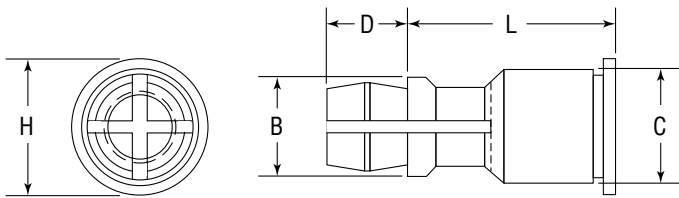


Spring-Top Standoffs

Series CFSSA, CFSSS & CFSSC



CFSSA, CFSSS & CFSSC spring-top standoffs are designed for permanent installation into sheet metal by pressing into a prepared hole. The spring-action post provides quick attachment and removal with a simple snap eliminating the problems associated with loose hardware.

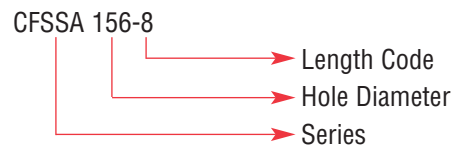


| Series | Material | Finish |
|--------|----------------------------|-------------------------|
| CFSSA | 7075-T6 Aluminum | Plain |
| CFSSS | Carbon Steel | Zinc* Clear |
| CFSSC | 400 Series Stainless Steel | Passivated ASTM A967 |

*See Finish Spec. on Page 6.

Use in: CFSSA – Cold-rolled Steel HRB-50 or less.
 CFSSS – Cold-rolled Steel HRB-60 or less.
 CFSSC – Cold-rolled Steel HRB-70 or less.

Part Number Structure:



Dimensions & Specifications

| INCH (in.) | Series | Top Panel Mounting Hole Diameter Code | L Length ±.005 in. (Length Code in 32nds of an inch) | | | | | | | | | | B ±.005 | C Max. | D ±.005 | H ±.005 |
|------------|--------|---------------------------------------|--|------|------|------|------|------|------|------|------|-------|------------|-----------|------------|------------|
| | | | .250 | .312 | .375 | .437 | .500 | .562 | .625 | .750 | .875 | 1.000 | | | | |
| | CFSSA | 156 | -8 | -10 | -12 | -14 | -16 | -18 | -20 | -24 | -28 | -32 | .188 | .212 | .141 | .250 |
| | CFSSC | 156 | -8 | -10 | -12 | -14 | -16 | -18 | -20 | -24 | -28 | -32 | | | | |
| | CFSSS | 156 | -8 | -10 | -12 | -14 | -16 | -18 | -20 | -24 | -28 | -32 | | | | |

Dimensions & Specifications

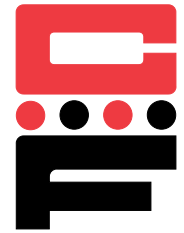
| METRIC (mm) | Series | Top Panel Mounting Hole Diameter Code | L Length ±.13 mm (Length Code is in millimeters) | | | | | | | | | B ±.13 | C Max. | D ±.13 | H ±.13 |
|-------------|--------|---------------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----------|-----------|-----------|-----------|
| | | | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 25 | | | | |
| | CFSSA | 4MM | -8 | -10 | -12 | -14 | -16 | -18 | -20 | -22 | -25 | 4.78 | 5.39 | 3.58 | 6.35 |
| | CFSSC | 4MM | -8 | -10 | -12 | -14 | -16 | -18 | -20 | -22 | -25 | | | | |
| | CFSSS | 4MM | -8 | -10 | -12 | -14 | -16 | -18 | -20 | -22 | -25 | | | | |

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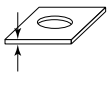
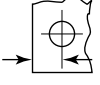

Spring-Top Standoffs

Series CFSSA, CFSSS & CFSSC





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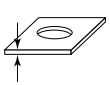
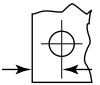

Installation & Performance Data

| | Bottom Panel (Fixed) | | | | | | Top Panel (Removable) | | | | |
|------------|--|----------|------------------|-------------------|---|---|-------------------------------|-------------------------------------|--------------------------|--------------------|---|
| | Bottom Mounting Hole +.003 -.000 | Material | Hardness Max. | Thickness Min. |  |  | Location Tolerance Max. | Top Mounting Hole +.003 -.000 | Material | Thickness Range |  |
| INCH (in.) | CFSSA | .213 | Metal | HRB50 | .040 | .260 | ±.005 | .156 | P-C board or metal | .040- .070 | .100 |
| | CFSSS | .213 | | HRB60 | .040 | .260 | ±.005 | .156 | | .100 | |
| | CFSSC | .213 | | HRB70 | .040 | .260 | ±.005 | .156 | | .100 | |



Installation & Performance Data

| | Bottom Panel (Fixed) | | | Top Panel (Removable) | | | |
|------------|-------------------------------------|---|--|-------------------------------|--------------------------------|-------------------------------|-----|
| | Sheet Thickness & Sheet Material |  Installation (lbs.) |  Pushout (lbs.) | Max. first on force (lbs.) | Min. first off force (lbs.) | Min. 15th off force (lbs.) | |
| INCH (in.) | CFSSA | .040 Aluminum HRB 25 | 1500 | 200 | 13 | 3.0 | 1.0 |
| | CFSSS | .040 Aluminum HRB 25 | 1500 | 200 | 20 | 6.0 | 2.0 |
| | CFSSC | .060 Cold-rolled Steel HRB 64 | 3600 | 400 | 20 | 6.0 | 2.0 |

Installation & Performance Data

| | Bottom Panel (Fixed) | | | | | | Top Panel (Removable) | | | | |
|-------------|--------------------------------------|----------|------------------|-------------------|---|---|-------------------------------|-----------------------------------|--------------------------|--------------------|---|
| | Bottom Mounting Hole +.08 -.00 | Material | Hardness Max. | Thickness Min. |  |  | Location Tolerance Max. | Top Mounting Hole +.08 -.00 | Material | Thickness Range |  |
| METRIC (mm) | CFSSA | 5.41 | Metal | HRB50 | 1 | 6.6 | ±.134 | 4.0 | P-C board or metal | 1- 1.8 | 2.54 |
| | CFSSS | 5.41 | | HRB60 | 1 | 6.6 | ±.134 | 4.0 | | 2.54 | |
| | CFSSC | 5.41 | | HRB70 | 1 | 6.6 | ±.134 | 4.0 | | 2.54 | |

Installation & Performance Data

| | Bottom Panel (Fixed) | | | Top Panel (Removable) | | | |
|-------------|-------------------------------------|--|--|----------------------------|-----------------------------|----------------------------|-----|
| | Sheet Thickness & Sheet Material |  Installation (kN) |  Pushout (N) | Max. first on force (N) | Min. first off force (N) | Min. 15th off force (N) | |
| METRIC (mm) | CFSSA | 1.0 Aluminum HRB 25 | 6.7 | 880 | 58 | 13 | 4.0 |
| | CFSSS | 1.0 Aluminum HRB 25 | 6.7 | 880 | 89 | 27 | 9.0 |
| | CFSSC | 1.52 Cold-rolled Steel HRB 64 | 15.5 | 1780 | 89 | 27 | 9.0 |