



COUNTERSUNK DRIVE PIN RIVETS

| Part Number | D                          |                          | L    |      | Grip Range                      |                         | R        | H    | Part Number | D                          |                          | L    |      | Grip Range                      |                         | R    | H |
|-------------|----------------------------|--------------------------|------|------|---------------------------------|-------------------------|----------|------|-------------|----------------------------|--------------------------|------|------|---------------------------------|-------------------------|------|---|
|             | Shank Diameter<br>(± .001) | Length<br>(+.010, -.005) | Min  | Max  | Head Diameter<br>(+.005, -.015) | Head Height<br>(± .005) |          |      |             | Shank Diameter<br>(± .001) | Length<br>(+.010, -.005) | Min  | Max  | Head Diameter<br>(+.005, -.015) | Head Height<br>(± .005) |      |   |
|             |                            |                          |      |      |                                 |                         |          |      |             |                            |                          |      |      |                                 |                         |      |   |
| 05094ACSS   | .125                       | .188                     | .078 | .109 | .216                            | .042                    | 10188ACA | .188 | .344        | .141                       | .234                     | .344 | .070 |                                 |                         |      |   |
| 05125ACSS   |                            | .219                     | .109 | .141 |                                 |                         | 10250ACA |      | .406        | .203                       | .297                     |      |      |                                 |                         |      |   |
| 05156ACSS   |                            | .250                     | .141 | .172 |                                 |                         | 10313ACA |      | .469        | .266                       | .359                     |      |      |                                 |                         |      |   |
| 05188ACSS   |                            | .281                     | .172 | .203 |                                 |                         | 10375ACA |      | .531        | .328                       | .422                     |      |      |                                 |                         |      |   |
| 05219ACSS   |                            | .313                     | .203 | .235 |                                 |                         | 10438ACA |      | .594        | .391                       | .484                     |      |      |                                 |                         |      |   |
| 05250ACSS   |                            | .344                     | .235 | .266 |                                 |                         | 10500ACA |      | .656        | .453                       | .547                     |      |      |                                 |                         |      |   |
| 05281ACSS   |                            | .375                     | .266 | .297 |                                 |                         | 10563ACA |      | .719        | .516                       | .609                     |      |      |                                 |                         |      |   |
| 05312ACSS   |                            | .406                     | .297 | .328 |                                 |                         | 10625ACA |      | .781        | .578                       | .672                     |      |      |                                 |                         |      |   |
| 05344ACSS   |                            | .438                     | .328 | .360 |                                 |                         | 14188ACA |      | .344        | .141                       | .234                     |      |      | .467                            | .095                    |      |   |
| 05375ACSS   |                            | .469                     | .360 | .391 |                                 |                         | 14250ACA |      | .406        | .203                       | .297                     |      |      |                                 |                         |      |   |
| 05406ACSS   |                            | .500                     | .391 | .422 |                                 |                         | 14313ACA |      | .469        | .266                       | .359                     |      |      |                                 |                         |      |   |
| 07125ACSS   |                            | .156                     | .250 | .109 |                                 |                         | .141     |      | 14375ACA    | .531                       | .328                     |      |      |                                 |                         | .422 |   |
| 07156ACSS   |                            |                          | .281 | .141 |                                 |                         | .172     |      | 14438ACA    | .594                       | .391                     |      |      |                                 |                         | .484 |   |
| 07188ACSS   | .313                       |                          | .172 | .203 | 14500ACA                        | .656                    | .453     | .547 |             |                            |                          |      |      |                                 |                         |      |   |
| 07219ACSS   | .344                       |                          | .203 | .235 | 14563ACA                        | .719                    | .516     | .609 |             |                            |                          |      |      |                                 |                         |      |   |
| 07250ACSS   | .375                       |                          | .235 | .266 | 14625ACA                        | .781                    | .578     | .672 |             |                            |                          |      |      |                                 |                         |      |   |
| 07281ACSS   | .406                       |                          | .266 | .297 | 14688ACA                        | .844                    | .641     | .734 |             |                            |                          |      |      |                                 |                         |      |   |
| 07312ACSS   | .438                       |                          | .297 | .328 | 14750ACA                        | .906                    | .703     | .797 |             |                            |                          |      |      |                                 |                         |      |   |
| 07344ACSS   | .469                       |                          | .328 | .360 | 14813ACA                        | .969                    | .766     | .859 |             |                            |                          |      |      |                                 |                         |      |   |
| 07375ACSS   | .500                       |                          | .360 | .391 | 14875ACA                        | 1.031                   | .828     | .922 |             |                            |                          |      |      |                                 |                         |      |   |
| 07406ACSS   | .531                       |                          | .391 | .422 | 14938ACA                        | 1.094                   | .891     | .984 |             |                            |                          |      |      |                                 |                         |      |   |
|             |                            |                          |      |      |                                 | 141000ACA               | 1.156    | .953 | 1.047       |                            |                          |      |      |                                 |                         |      |   |

Rivets listed above have stainless pin; all others have aluminum pin.

Shorpoen



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|                                      |   |
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| Description                          | A two-piece fastening system consisting of (1) a self-contained pin within (2) the body of a tubular-shaped rivet with a flat, countersunk head. The head is countersunk at an angle of 100° and is a little less than twice the diameter of the shank. The top of the rivet has an opening through which the pin protrudes. The opposite end of the rivet is enclosed but with two cross-wise slits cut into the body extending from the tip, up the shank a limited distance.   |
| Applications/<br>Advantages          | Drive pin rivets can join two or more pieces of low-density metal without the use of special installation tools. The rivet is inserted into pre-drilled, aligned holes and is set in place by striking the top of the pin with a hammer so that the pin is flush with the top of the head. This action causes the pin to drive through the opposite end and flare out in four directions creating a head on the blind side of the fastening. Drive pins have superior shear strength to standard break stem rivets because the pin remains inside of the installed rivet for its entire length. The flat head style provides a smooth offside surface with sufficient clearance for moving parts that pass over the rivet head. |
| Material                             | <p><b>Body (All diameters):</b> Aluminum alloy 2117 H15 or equivalent alloy</p> <p><b>Pin (1/8 &amp; 5/32" diam):</b> 302 series Stainless Steel</p> <p><b>Pin (3/16 &amp; 1/4" diam):</b> Aluminum alloy 2024 T4 or equivalent alloy</p>   |
| Shear Strength<br>(approximate)      | 3/16" diameter: 650 lbs. minimum; 1/4" diameter: 1150 lbs. minimum  |
| Tensile<br>Strength<br>(approximate) | 3/16" diameter: 460 lbs. minimum; 1/4" diameter: 820 lbs. minimum   |

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