



COUNTERSUNK DRIVE PIN RIVETS

Part Number	D	L	Grip Range		R	H	Part Number	D	L	Grip Range		R	H		
	Shank Diameter ($\pm .001$)	Length ($+.010$, $-.005$)	Min	Max	Head Diameter ($+.005$, $-.015$)	Head Height ($\pm .005$)		Shank Diameter ($\pm .001$)	Length ($+.010$, $-.005$)	Min	Max	Head Diameter ($+.005$, $-.015$)	Head Height ($\pm .005$)		
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				
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							
Rivets listed above have stainless pin; all others have aluminum pin.							141000ACA	1.156	.953	1.047					

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/ 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>Body (All diameters): Aluminum alloy 2117 H15 or equivalent alloy</p> <p>Pin (1/8 & 5/32" diam): 302 series Stainless Steel</p> <p>Pin (3/16 & 1/4" diam): Aluminum alloy 2024 T4 or equivalent alloy</p>
Shear Strength (approximate)	3/16" diameter: 650 lbs. minimum; 1/4" diameter: 1150 lbs. minimum
Tensile Strength (approximate)	3/16" diameter: 460 lbs. minimum; 1/4" diameter: 820 lbs. minimum