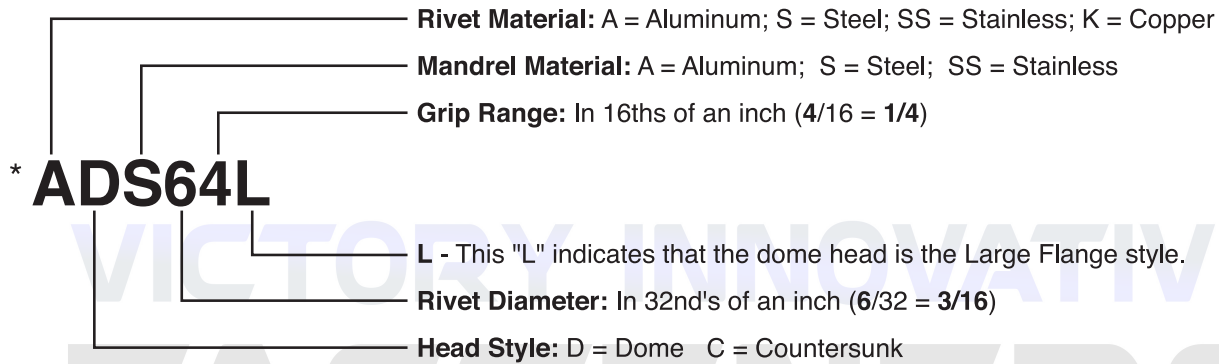


# RIVETS

## DOME & LARGE FLANGE Part Number Key & Application Data



\*Kanebridge Part Number

### Notes on Rivet Selection

**Strength** - The tensile and shear strengths required for an application must be determined and a rivet selected that meets those requirements.

**Materials** - Choose a rivet that is made of a metal with similar mechanical and physical properties as the materials being joined. This is especially critical in assemblies where higher temperatures and/or corrosive elements are present. Metal compatibility helps reduce the risks of galvanic corrosion and material fatigue.

**Grip Range** - Measure the total thickness of the materials being fastened. This is known as the "rivet grip". The grip ranges of the most commonly available rivets are listed in the table below. Sufficient rivet length is necessary for proper formation of the secondary head on the blind side of the assembly. Multi-grip rivets have wider grip ranges than standard break-stem blind rivets.

APPLICATION DATA FOR STANDARD BREAK-STEM BLIND RIVETS -- PROTRUDING HEADS										IFI-114, 2015	
Rivet Number	Grip Range	Body Length	Recommended Hole Size		Drill Size	Rivet Number	Grip Range	Body Length	Recommended Hole Size		Drill Size
		Ref	Max	Ref				Max			
31	.020-.062	.187	0.100		#41	62	.031-.125	.300	0.196		#11
32	.031-.125	.225									
33	.087-.187	.312									
34	.126-.250	.375									
40	.010-.030	.150	0.133		#30	66	.251-.375	.550			
41	.031-.062	.188									
42	.063-.125	.250									
43	.126-.187	.313									
44	.188-.250	.375									
45	.251-.312	.438									
46	.313-.375	.500									
48	.376-.500	.625									
410	.501-.625	.750	0.164		#20	68	.376-.500	.675			
52	.031-.125	.275									
53	.126-.187	.338									
54	.188-.250	.400									
56	.251-.375	.525									
58	.376-.500	.650									
510	.501-.625	.800									
512	.626-.750	.925									
516	.876-1.000	1.175									
									610	.501-.625	.800
						612	.626-.750	.925			
						614	.751-.875	1.050			
						616	.876-1.000	1.175			
						618	1.001-1.125	1.325			
						620	1.126-1.250	1.450			
						622	1.251-1.375	1.575			
						82	.031-.125	.350			
						84	.126-.250	.475			
						86	.251-.375	.600			
						88	.376-.500	.725			
						810	.501-.625	.850			
						812	.626-.750	.975			
						814	.751-.875	1.100			
						816	.876-1.000	1.225			

**Part Number Key & Application Data** **COUNTERSUNK HEAD**



**Notes on Rivet Selection**

**Strength** - The tensile and shear strengths required for an application must be determined and a rivet selected that meets those requirements.

**Materials** - Choose a rivet that is made of a metal with similar mechanical and physical properties as the materials being joined. This is especially critical in assemblies where higher temperatures and/or corrosive elements are present. Metal compatibility helps reduce the risks of galvanic corrosion and material fatigue.

**Grip Range** - Measure the total thickness of the materials being fastened. This is known as the “rivet grip”. The grip ranges of the most commonly available rivets are listed in the table below. Sufficient rivet length is necessary for proper formation of the secondary head on the blind side of the assembly. Multi-grip rivets have wider grip ranges than standard break-stem blind rivets.

APPLICATION DATA FOR STANDARD BREAK-STEM BLIND RIVETS - COUNTERSUNK HEAD										IFI-114, 2015	
Rivet Number	Grip Range	Rivet Length	Recommended Hole Size		Drill Size	Rivet Number	Grip Range	Rivet Length	Recommended Hole Size		Drill Size
		Ref	Max	Ref				Max			
42	.092-.125	.250	0.133		#30	54	.188-.250	.400	0.164		#20
43	.126-.187	.313				56	.251-.375	.525			
44	.188-.250	.375				58	.376-.500	.650			
45	.251-.312	.438				64	.188-.250	.425	0.196		#11
46	.313-.375	.500				66	.251-.375	.550			
48	.376-.500	.625				68	.376-.500	.675			