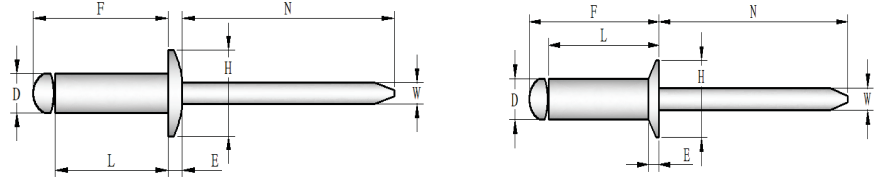


# Open End Rivets



## Aluminum / Steel

5056 Aluminum Body / Carbon Steel Zinc Plated Mandrel

Domed Head												
Nominal Body Diameter (D)	Part Number	Body Diameter (D)	Grip Range (Min) (Max)	Hole Size & Drill No.	Body Length MAX (L)	Overall Body Length MAX (F)	Minimum Mandrel Protrusion (N)	Mandrel Diameter (W)	Flange (head) Diameter (H)	Flange (head) Thickness (Ref)(E)	Typical Shear min Lbs.	Typical Tensile min Lbs.
3/32	ADS-03-02	0.094	0.020 - 0.125	.097 - .100 #41	0.225	0.325	1.00	0.057	0.188 ± 0.010	0.028	90	120
	ADS-03-04	0.094	0.126 - 0.250	.097 - .100 #41	0.335	0.435	1.00	0.057	0.188 ± 0.010	0.028	90	120
	ADS-03-06	0.094	0.251 - 0.375	.097 - .100 #41	0.475	0.575	1.00	0.057	0.188 ± 0.010	0.028	90	120
1/8	ADS-04-01	0.125	0.020 - 0.062	.129 - .133 #30	0.188	0.308	1.00	0.076	0.250 ± 0.012	0.036	170	220
	ADS-04-02	0.125	0.063 - 0.125	.129 - .133 #30	0.250	0.370	1.00	0.076	0.250 ± 0.012	0.036	170	220
	ADS-04-03	0.125	0.126 - 0.187	.129 - .133 #30	0.313	0.433	1.00	0.076	0.250 ± 0.012	0.036	170	220
	ADS-04-04	0.125	0.188 - 0.250	.129 - .133 #30	0.375	0.495	1.00	0.076	0.250 ± 0.012	0.036	170	220
	ADS-04-05	0.125	0.251 - 0.312	.129 - .133 #30	0.438	0.558	1.00	0.076	0.250 ± 0.012	0.036	170	220
	ADS-04-06	0.125	0.313 - 0.375	.129 - .133 #30	0.500	0.620	1.00	0.076	0.250 ± 0.012	0.036	170	220
	ADS-04-08	0.125	0.376 - 0.500	.129 - .133 #30	0.625	0.745	1.00	0.076	0.250 ± 0.012	0.036	170	220
5/32	ADS-05-02	0.156	0.020 - 0.125	.160 - .164 #20	0.275	0.415	1.06	0.095	0.312 ± 0.016	0.043	260	350
	ADS-05-03	0.156	0.126 - 0.187	.160 - .164 #20	0.338	0.478	1.06	0.095	0.312 ± 0.016	0.043	260	350
	ADS-05-04	0.156	0.188 - 0.250	.160 - .164 #20	0.400	0.540	1.06	0.095	0.312 ± 0.016	0.043	260	350
	ADS-05-06	0.156	0.251 - 0.375	.160 - .164 #20	0.525	0.665	1.06	0.095	0.312 ± 0.016	0.043	260	350
	ADS-05-08	0.156	0.376 - 0.500	.160 - .164 #20	0.650	0.790	1.06	0.095	0.312 ± 0.016	0.043	260	350
3/16	ADS-06-02	0.188	0.020 - 0.125	.192 - .196 #11	0.300	0.460	1.06	0.114	0.375 ± 0.019	0.053	380	500
	ADS-06-04	0.188	0.188 - 0.250	.192 - .196 #11	0.425	0.585	1.06	0.114	0.375 ± 0.019	0.053	380	500
	ADS-06-06	0.188	0.251 - 0.375	.192 - .196 #11	0.550	0.710	1.06	0.114	0.375 ± 0.019	0.053	380	500
	ADS-06-08	0.188	0.376 - 0.500	.192 - .196 #11	0.675	0.835	1.06	0.114	0.375 ± 0.019	0.053	380	500
	ADS-06-10	0.188	0.501 - 0.625	.192 - .196 #11	0.800	0.960	1.06	0.114	0.375 ± 0.019	0.053	380	500
	ADS-06-12	0.188	0.626 - 0.750	.192 - .196 #11	0.925	1.085	1.06	0.114	0.375 ± 0.019	0.053	380	500
	ADS-06-14	0.188	0.751 - 0.875	.192 - .196 #11	1.050	1.210	1.06	0.114	0.375 ± 0.019	0.053	380	500
1/4	ADS-06-16	0.188	0.876 - 1.000	.192 - .196 #11	1.175	1.335	1.06	0.114	0.375 ± 0.019	0.053	380	500
	ADS-08-04	0.250	0.126 - 0.250	.257 - .261 F	0.475	0.655	1.25	0.151	0.500 ± 0.025	0.069	700	920
	ADS-08-06	0.250	0.251 - 0.375	.257 - .261 F	0.600	0.780	1.25	0.151	0.500 ± 0.025	0.069	700	920
	ADS-08-08	0.250	0.376 - 0.500	.257 - .261 F	0.725	0.905	1.25	0.151	0.500 ± 0.025	0.069	700	920
	ADS-08-10	0.250	0.501 - 0.625	.257 - .261 F	0.850	1.030	1.25	0.151	0.500 ± 0.025	0.069	700	920
	ADS-08-12	0.250	0.626 - 0.750	.257 - .261 F	0.975	1.155	1.25	0.151	0.500 ± 0.025	0.069	700	920
	ADS-08-14	0.250	0.751 - 0.875	.257 - .261 F	1.100	1.280	1.25	0.151	0.500 ± 0.025	0.069	700	920
ADS-08-16	0.250	0.876 - 1.000	.257 - .261 F	1.225	1.405	1.25	0.151	0.500 ± 0.025	0.069	700	920	
Large Flange Head												
1/8	ADSLF-04-02	0.125	0.063 - 0.125	.129 - .133 #30	0.250	0.370	1.00	0.076	0.375 ± 0.015	0.065	170	220
	ADSLF-04-03	0.125	0.126 - 0.187	.129 - .133 #30	0.313	0.433	1.00	0.076	0.375 ± 0.015	0.065	170	220
	ADSLF-04-04	0.125	0.188 - 0.250	.129 - .133 #30	0.375	0.495	1.00	0.076	0.375 ± 0.015	0.065	170	220
	ADSLF-04-06	0.125	0.313 - 0.375	.129 - .133 #30	0.500	0.620	1.00	0.076	0.375 ± 0.015	0.065	170	220
5/32	ADSLF-05-04	0.156	0.188 - 0.250	.160 - .164 #20	0.400	0.540	1.06	0.095	0.468 ± 0.020	0.075	260	350
3/16	ADSLF-06-04	0.187	0.188 - 0.250	.192 - .196 #11	0.425	0.585	1.06	0.114	0.625 ± 0.025	0.092	380	500
	ADSLF-06-06	0.187	0.251 - 0.375	.192 - .196 #11	0.550	0.710	1.06	0.114	0.625 ± 0.025	0.092	380	500
	ADSLF-06-08	0.187	0.376 - 0.500	.192 - .196 #11	0.675	0.835	1.06	0.114	0.625 ± 0.025	0.092	380	500
	ADSLF-06-10	0.187	0.501 - 0.625	.192 - .196 #11	0.800	0.960	1.06	0.114	0.625 ± 0.025	0.092	380	500
	ADSLF-06-12	0.187	0.626 - 0.750	.192 - .196 #11	0.925	1.085	1.06	0.114	0.625 ± 0.025	0.092	380	500
	ADSLF-06-14	0.187	0.751 - 0.875	.192 - .196 #11	1.050	1.210	1.06	0.114	0.625 ± 0.025	0.092	380	500
ADSLF-06-16	0.187	0.876 - 1.000	.192 - .196 #11	1.175	1.335	1.06	0.114	0.625 ± 0.025	0.092	380	500	
Countersunk Head (120°)												
1/8	AKS-04-02	0.125	0.092 - 0.125	.129 - .133 #30	0.250	0.370	1.00	0.076	0.220 ± 0.013	0.051	170	220
	AKS-04-03	0.125	0.126 - 0.187	.129 - .133 #30	0.313	0.433	1.00	0.076	0.220 ± 0.013	0.051	170	220
	AKS-04-04	0.125	0.188 - 0.250	.129 - .133 #30	0.375	0.495	1.00	0.076	0.220 ± 0.013	0.051	170	220
5/32	AKS-05-04	0.156	0.188 - 0.250	.160 - .164 #20	0.400	0.540	1.06	0.095	0.281 ± 0.015	0.063	260	350
3/16	AKS-06-04	0.187	0.188 - 0.250	.192 - .196 #11	0.425	0.585	1.06	0.114	0.348 ± 0.015	0.071	380	500