



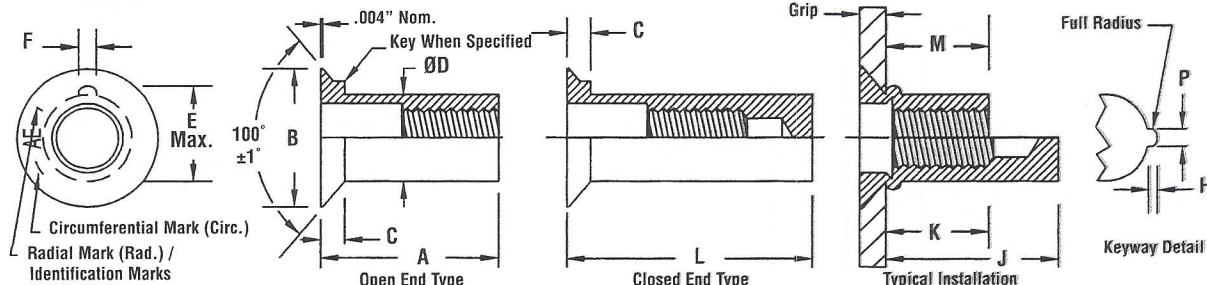
MaxTite® COUNTERSUNK HEAD — UNIFIED (NAS1330 / MS27130 EQUIVALENT)



- Designed for high load applications. Countersunk feature allow fastener to be installed flush with sheet surface.



Keyed Closed End Shown



All dimensions are in inches.

See page 51 for NAS1330 conversions and page 54 for part number key.

Thread Size*	B Ref.	C Max.	ØD +.000 -.004	E Max.	F +.005 -.000	Install Drill Size (Ref.)	Install Hole Size		Keyway Dimensions		Pull Up Factor
							Min.	Max.	P +.003 - .000	H	
#4-40	.263	.051	.155	.198	.054	5/32	.155	.157	.062	.046 - .048	.055
#6-32	.323	.063	.189	.240	.054	#12	.189	.193	.062	.056 - .058	.065
#8-32	.355	.063	.221	.271	.054	#2	.221	.226	.062	.056 - .058	.065
#10-32	.391	.065	.250	.302	.054	1/4	.250	.256	.062	.056 - .058	.080
1/4-20	.529	.089	.332	.382	.054	Q	.332	.338	.062	.056 - .058	.095
5/16-18	.656	.104	.413	.505	.120	Z	.413	.423	.128	.097 - .102	.120
3/8-16	.770	.124	.490	.597	.120	12.5 mm	.490	.500	.128	.110 - .115	.155
1/2-13 (1)	.906	.124	.625	.733	.120	5/8	.625	.635	.128	.110 - .115	.185

(1) Before ordering please contact the factory for further information regarding this thread size.

Thread-Grip Number	Grip Range	Indent. Mark	Open End Keyed and Keyless				Closed End Keyless					Closed End Keyed				
			A ±.015	M Ref.	Wt. (lbs./1000)		L ±.015	J Ref.	K Ref.	Wt. (lbs./1000)		L ±.015	J Ref.	K Ref.	Wt. (lbs./1000)	
					Alum.	Steel				Alum.	Steel				Alum.	Steel
4-81	.050 - .081	Blank	.370	.235	.4	1.3	.525	.390	.235	.6	1.9	.525	.390	.235	.6	1.9
4-106	.081 - .106	1 Rad.	.395	.235	.4	1.3	.550	.390	.235	.6	1.9	.550	.390	.235	.6	1.9
4-131	.106 - .131	2 Rad.	.420	.235	.4	1.4	.575	.390	.235	.7	2.0	.575	.390	.235	.7	2.0
4-156	.131 - .156	3 Rad.	.450	.235	.5	1.4	.600	.390	.235	.7	2.0	.600	.390	.235	.7	2.0
4-181	.156 - .181	4 Rad.	.475	.235	.5	1.5	.625	.390	.235	.7	2.1	.625	.390	.235	.7	2.1
4-206	.181 - .206	5 Rad.	.500	.235	.5	1.5	.650	.390	.235	.7	2.1	.650	.390	.235	.7	2.1
6-106	.065 - .106	Blank	.500	.325	.8	2.5	.687	.510	.325	1.2	3.6	.812	.635	.425	1.4	4.2
6-161	.106 - .161	2 Rad.	.500	.280	.8	2.4	.687	.465	.280	1.2	3.5	.812	.590	.380	1.3	4.1
6-201	.161 - .201	4 Rad.	.562	.295	.9	2.6	.687	.420	.260	1.1	3.4	.812	.545	.335	1.3	4.0
6-241	.201 - .241	1 Circ.	.625	.315	.9	2.9	.812	.505	.295	1.3	4.0	.812	.505	.295	1.3	4.0
6-281	.241 - .281	2 Circ.	.625	.270	.9	2.8	.812	.465	.265	1.3	3.9	.812	.465	.265	1.3	3.9
6-321	.281 - .321	3 Circ.	.687	.290	1.0	3.0	.844	.455	.265	1.3	4.0	.844	.455	.265	1.3	4.0
8-106	.065 - .106	Blank	.500	.325	1.0	3.1	.687	.510	.325	1.5	4.6	.812	.635	.425	1.8	5.4
8-161	.106 - .161	2 Rad.	.500	.280	1.0	3.0	.687	.465	.280	1.5	4.5	.812	.590	.380	1.7	5.3
8-201	.161 - .201	4 Rad.	.562	.290	1.1	3.3	.687	.415	.255	1.4	4.4	.812	.540	.330	1.7	5.2
8-241	.201 - .241	1 Circ.	.625	.310	1.2	3.6	.875	.560	.290	1.8	5.5	.875	.560	.290	1.8	5.5
8-281	.241 - .281	2 Circ.	.687	.325	1.1	3.2	.875	.515	.290	1.8	5.4	.875	.515	.290	1.8	5.4
8-321	.281 - .321	3 Circ.	.687	.295	1.2	3.8	.875	.485	.300	1.7	5.2	.875	.485	.300	1.7	5.2
10-116	.065 - .116	Blank	.578	.395	1.4	4.3	.828	.645	.395	2.2	6.7	.828	.645	.395	2.2	6.7
10-166	.116 - .166	1 Rad.	.625	.385	1.5	4.6	.875	.635	.385	2.3	6.9	.875	.635	.385	2.3	6.9
10-216	.166 - .216	2 Rad.	.687	.400	1.6	4.9	.938	.650	.400	2.4	7.2	.938	.650	.400	2.4	7.2
10-266	.216 - .266	3 Rad.	.734	.390	1.7	5.1	.984	.640	.390	2.5	7.5	.984	.640	.390	2.5	7.5
10-316	.266 - .316	4 Rad.	.781	.385	1.8	5.4	1.031	.635	.385	2.5	7.7	1.031	.635	.385	2.5	7.7
10-366	.316 - .366	5 Rad.	.844	.400	1.9	5.7	1.094	.650	.400	2.6	8.0	1.094	.650	.400	2.6	8.0
25-151	.089 - .151	Blank	.687	.440	3.2	9.8	1.000	.750	.435	5.0	15.1	1.000	.750	.435	5.0	15.1
25-211	.151 - .211	1 Rad.	.750	.440	3.4	10.3	1.062	.750	.435	5.2	15.7	1.062	.750	.435	5.2	15.7
25-271	.211 - .271	2 Rad.	.812	.440	3.6	10.9	1.125	.750	.435	5.4	16.3	1.125	.750	.435	5.4	16.3
25-331	.271 - .331	3 Rad.	.875	.435	3.8	11.5	1.187	.750	.435	5.5	16.9	1.187	.750	.435	5.5	16.9
25-391	.331 - .391	4 Rad.	.937	.435	4.0	12.1	1.250	.750	.435	5.7	17.5	1.250	.750	.435	5.7	17.5
25-451	.391 - .451	5 Rad.	1.000	.445	4.2	12.7	1.312	.760	.445	5.9	18.1	1.312	.760	.445	5.9	18.1
31-181	.106 - .181	Blank	.844	.540	5.9	17.8	1.218	.915	.540	9.0	27.5	1.218	.915	.540	9.0	27.5
31-256	.181 - .256	1 Rad.	.937	.560	6.3	19.3	1.312	.935	.560	9.5	28.9	1.312	.935	.560	9.5	29.0
31-331	.256 - .331	2 Rad.	1.000	.550	6.6	20.1	1.406	.955	.550	10.0	30.4	1.406	.955	.550	10.0	30.5
31-406	.331 - .406	3 Rad.	1.093	.565	7.1	21.5	1.468	.940	.565	10.2	31.1	1.468	.940	.565	10.2	31.2
31-481	.406 - .481	4 Rad.	1.156	.555	7.3	22.3	1.562	.960	.555	10.7	32.6	1.562	.960	.555	10.8	32.7
31-556	.481 - .556	5 Rad.	1.250	.575	7.8	23.7	1.625	.950	.575	10.9	33.3	1.625	.950	.575	11.0	33.4
37-211	.125 - .211	Blank	.938	.580	8.9	27.0	1.375	1.020	.655	13.9	42.3	1.375	1.020	.655	13.9	42.4
37-296	.211 - .296	1 Rad.	1.031	.590	9.4	28.7	1.468	1.030	.655	14.5	44.1	1.468	1.030	.655	14.5	44.1
37-381	.296 - .381	2 Rad.	1.125	.600	10.0	30.5	1.562	1.040	.675	15.0	45.8	1.562	1.040	.675	15.1	45.9
37-466	.381 - .466	3 Rad.	1.219	.615	10.6	32.3	1.656	1.050	.690	15.6	47.6	1.656	1.050	.690	15.7	47.7
37-551	.466 - .551	4 Rad.	1.312	.625	11.2	34.0	1.750	1.065	.705	16.2	49.4	1.750	1.065	.705	16.2	49.5
37-636	.551 - .636	5 Rad.	1.422	.650	11.9	36.2	1.859	1.090	.715	16.9	51.6	1.859	1.090	.715	17.0	51.7
50-226	.125 - .226	Blank	.984	.610	14.0	43.2	1.406	1.030	.610	21.9	66.6	1.406	1.030	.610	21.9	66.6
50-326	.226 - .326	1 Rad.	1.094	.620	15.0	45.7	1.515	1.040	.620	22.9	69.7	1.515	1.040	.620	22.9	69.7
50-426	.326 - .426	2 Rad.	1.218	.640	16.2	49.2	1.625	1.050	.640	23.8	72.6	1.625	1.050	.640	23.8	72.6
50-526	.426 - .526	3 Rad.	1.312	.635	16.9	51.6	1.750	1.075	.635	25.0	76.3	1.750	1.075	.635	25.0	76.3

* Both UNC and UNF threads available in No. 10 and larger thread sizes. Check for availability of other grip ranges and designs.

Weights: For brass fasteners, multiply weight of aluminum equivalent by 3.13. Weights for CH (4037 alloy steel) and SS (Type 430 stainless steel) same as steel.