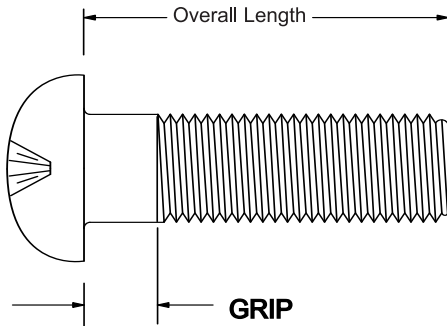# Genuine Aircraft Hardware Co.

MS27039 Series
Pan Head, Structural Screws, Phillips Drive

ORDER BY MS27039 NUMBERS	
Last two numbers (xx) are the same for both.	
Old NAS Part #	**New MS Part #**
NAS220 - (xx)	MS27039 - 08 (xx)
NAS221 - (xx)	MS27039 - 1- (xx)
NAS222 - (xx)	MS27039 - 4- (xx)

TENSILE STRENGTH, 125,000 PSI. (Minimum), Head Marking (-) for Alloy steel, (C) for Corrosion resistant steel "A286"
MS27039 - (SIZE) = ALLOY STEEL PARTS ARE PLATED, CADMIUM II (GOLD IN APPEARANCE)
MS27039C (SIZE) = CORROSION RESISTANT STEEL, PARTS ARE UNPLATED
Supersedes NAS220 - NAS222 SEE THE CHART

Example of Part Numbers:

MS27039 - 0809   = 8-32 Threads, .594 Overall length under the head, .094 grip length. Alloy steel, Cadmium II plating
MS27039C0809   = 8-32 Threads, .594 Overall length under the head, .094 grip length. Corrosion and heat resistant steel (A286)

The tolerance for Overall Length is plus .032, minus .015   The tolerance for Grip Length is + or - .015

D=Threads,Dia - Pitch Overall (Length)	8-32 Grip Length	8-32 Size Number	10-32 Grip Length	10-32 Size Number	1/4-28 Grip Length	1/4-28 Size Number
.281		0804		-1-04		-4-04
.344	.032, +.032 -.000	0805	.032, +.032 -.000	-1-05	.032, +.032 -.000	-4-05
.406		0806		-1-06		-4-06
.469		0807		-1-07		-4-07
.531	.094	0808	.062	-1-08		-4-08
.594	.156	0809	.125	-1-09	.062	-4-09
.656	.219	0810	.187	-1-10	.125	-4-10
.719	.281	0811	.250	-1-11	.187	-4-11
.781	.344	0812	.312	-1-12	.250	-4-12
.844	.406	0813	.375	-1-13	.312	-4-13
.906	.469	0814	.437	-1-14	.375	-4-14
.969	.531	0815	.500	-1-15	.437	-4-15
1.031	.594	0816	.562	-1-16	.500	-4-16
1.094	.656	0817	.625	-1-17	.562	-4-17
1.156	.719	0818	.687	-1-18	.625	-4-18
1.219	.781	0819	.750	-1-19	.687	-4-19
1.281	.844	0820	.812	-1-20	.750	-4-20
1.344	.906	0821	.875	-1-21	.812	-4-21
1.406	.969	0822	.937	-1-22	.875	-4-22
1.469	1.031	0823	1.000	-1-23	.937	-4-23
1.531	1.094	0824	1.062	-1-24	1.000	-4-24
1.594	1.156	0825	1.125	-1-25	1.062	-4-25
1.656	1.219	0826	1.187	-1-26	1.125	-4-26
1.719	1.281	0827	1.250	-1-27	1.187	-4-27
1.781	1.344	0828	1.312	-1-28	1.250	-4-28
1.844	1.406	0829	1.375	-1-29	1.312	-4-29
1.906	1.469	0830	1.437	-1-30	1.375	-4-30
1.969	1.531	0831	1.500	-1-31	1.437	-4-31
2.031	1.594	0832	1.562	-1-32	1.500	-4-32