

NUTPLATES

Visual Identification Chart



See Specification and Size Charts for Nutplates

Assignment Kits Available see Pages 231 - 236

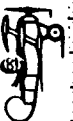
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<p>MS21047, Steel, Fixed MS21048, Cres. ,Fixed</p>	<p>MS21049, Steel, Fixed, Countersunk MS21050, Cres. , Fixed, Countersunk</p>	<p>MS21051 Steel, Fixed, Std Spacing, One Leg MS21052 Cres. , Fixed, Std Spacing, One Leg</p>
<p>MS21053 Steel, Fixed, Countersunk, One Leg MS21054 Cres. , Fixed, Countersunk, One Leg</p>	<p>MS21055 Steel, Fixed, Std Spacing, Corner MS21056 Cres. , Fixed, Std Spacing, Corner MS21057 Steel, Fixed, Countersunk, Corner MS21058 Cres. , Fixed, Countersunk, Corner MS21073 Steel, Fixed, Mini Pattern, Corner MS21074 Cres. , Fixed, Mini Pattern, Corner</p>	<p>MS21059 Steel MS21060 Cres Floating Type, Standard spacing</p>
<p>MS21061 Steel, Floating, Std Spacing, One Leg MS21062 Cres, Floating, Std Spacing, One Leg</p>	<p>MS21069, Steel, Miniature MS21070, Cres, Miniature</p>	<p>MS21071, Steel, Mini, One Leg MS21072, Cres, Mini, One Leg</p>
<p>NAS1033 Steel, Floating, Right Angle</p>	<p>MS21075-(XX)E, Steel, Mini Floater, Eyelets MS21076-(XX)E, Cres, Mini Floater, Eyelets</p>	<p>MS21075-(XX)N, Steel, Mini Floater, No Eyelets MS21076-(XX)N, Cres, Mini Floater, No Eyelets</p>
<p>NAS1473 Self Sealing, Standard Spacing</p>	<p>NAS1474 Self Sealing, Mini Pattern</p>	<p>MS21086 Steel, Side by Side Pattern MS21087 Cres, Side by Side Pattern</p>

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Shaded areas are for reference only, ORDER PART NUMBERS IN UNSHADED AREAS ONLY !

PART #	Supersedures / Notes	Spacing Chart	Pattern	Material	Plating	Max Temp.	Rated Tensile
MS21047 (XX)	AN362F, AN366F, NAS680A, NAS1023A	A	Standard, Fixed	Steel	CAD II / Black Moly	450 Deg	125 Ksi.
MS21048 (XX)	AN362CW, AN366CW, NAS680C, NAS1023C	A	Standard, Fixed	Cres.	Silver	800 Deg	125 Ksi.
MS21049 (XX)	AN361, AN373F, NAS681A / Sizes 8-32 thru 5/16-18	A	Std, Fixed, C/S	Steel	CAD II / Black Moly	450 Deg	125 Ksi.
MS21050 (XX)	AN361C, NAS681C / Sizes 8-32 thru 5/16-24	A	Std, Fixed, C/S	Cres.	Silver	800 Deg	125 Ksi.
MS21051 (XX)	NAS682A, NAS1025A	C	Std, Fixed, 1 Leg	Steel	CAD II / Black Moly	450 Deg	125 Ksi.
MS21052 (XX)	NAS682C, NAS1025C	C	Std, Fixed, 1 Leg	Cres.	Silver	800 Deg	125 Ksi.
MS21053 (XX)	NAS683A / Sizes 8-32 Thru 5/16-24	C	Fixed, C/S, 1 Leg	Steel	CAD II / Black Moly	450 Deg	125 Ksi.
MS21054 (XX)	NAS683C / Sizes 8-32 Thru 5/16-24	C	Fixed, C/S, 1 Leg	Cres.	Silver	800 Deg	125 Ksi.
MS21055 (XX)	NAS684A, NAS1027A	D	Std, Fixed, Corner	Steel	CAD II / Black Moly	450 Deg	125 Ksi.
MS21056 (XX)	NAS684C, NAS1027C	D	Std, Fixed, Corner	Cres.	Silver	800 Deg	125 Ksi.
MS21057 (XX)	NAS685A / Sizes 8-32 Thru 5/16-24	D	Fixed, Corner, C/S	Steel	CAD II / Black Moly	450 Deg	125 Ksi.
MS21058 (XX)	NAS685C / Sizes 8-32 Thru 5/16-24	D	Fixed, Corner, C/S	Cres.	Silver	800 Deg	125 Ksi.
MS21059 (XX)	NAS686A, NAS1031A	A	Standard, Floater	Steel	CAD II / Black Moly	450 Deg	125 Ksi.
MS21060 (XX)	NAS686C, NAS1031C	A	Standard, Floater	Cres.	Silver	800 Deg	125 Ksi.
MS21061 (XX)	NAS687A, NAS1032A	C	Std, Floater, 1 Leg	Steel	CAD II / Black Moly	450 Deg	125 Ksi.
MS21062 (XX)	NAS687C, NAS1032C	C	Std, Floater, 1 Leg	Cres.	Silver	800 Deg	125 Ksi.
MS21069 (XX)	NAS697A	B	Fixed, Mini	Steel	CAD II / Black Moly	450 Deg	125 Ksi.
MS21070 (XX)	NAS697C	B	Fixed, Mini	Cres.	Silver	800 Deg	125 Ksi.
MS21071 (XX)	NAS696A	E	Fixed, Mini, 1 Leg	Steel	CAD II / Black Moly	450 Deg	125 Ksi.
MS21072 (XX)	NAS696C	E	Fixed, Mini, 1 Leg	Cres.	Silver	800 Deg	125 Ksi.
MS21073 (XX)	NAS696A	F	Fixed, Mini, Corner	Steel	CAD II / Black Moly	450 Deg	125 Ksi.
MS21074 (XX)	NAS696C	F	Fixed, Mini, Corner	Cres.	Silver	800 Deg	125 Ksi.
MS21075 (XX)	NAS1068A	B	Mini, Floater	Steel	CAD II / Black Moly	450 Deg	125 Ksi.
MS21076 (XX)	NAS1068C	B	Mini, Floater	Cres.	Silver	800 Deg	125 Ksi.
MS21086 (XX)	NAS1067A / Sizes 8-32 Thru 3/8-24	G	Side by Side	Steel	CAD II / Black Moly	450 Deg	125 Ksi.
MS21087 (XX)	NAS1067C / Sizes 8-32 Thru 3/8-24	G	Side by Side	Cres.	Silver	800 Deg	125 Ksi.
NAS1033A (XX)	Available in 6-32, 8-32, 10-32	N/A	Right Angle, Floater	Steel & Cres.	Nut-Cad, Cage None	450 Deg	125 Ksi.
NAS1473A (XX)	Available in 8-32 thru 5/16-24	A	Std, Self Sealing	Steel	Cadmium II	225 Deg	125 Ksi.
NAS1474A (XX)	Available in 4-40 thru 1/4-20	H	Mini, Self Sealing	Steel	Cadmium II	225 Deg	125 Ksi.



Assortment Kits Available see pages 231 - 236

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Nutplate Selection Chart

NUTPLATES

Spacing Charts / Size Charts / Part Number Examples

Please refer to VISUAL IDENTIFICATION chart, and SELECTION chart on previous two pages to assist in determining the proper PART #.

Rivet Spacing Chart " A "	
NUT THREADS DIA - PITCH	Rivet Spacing
4-40 Thru 10-32	.688
1/4-28 Thru 3/8-24	1.00

Rivet Spacing Chart " D "	
NUT THREADS DIA - PITCH	Rivet Spacing
4-40 Thru 10-32	.486
1/4-28 Thru 3/8-24	.707

Rivet Spacing Chart " G "	
NUT THREADS DIA - PITCH	Rivet Spacing
8-32 Thru 1/4-28	.219
5/16-24 Thru 3/8-24	1.00

Rivet Spacing Chart " B "	
NUT THREADS DIA - PITCH	Rivet Spacing
4-40	.406
6-32	.437
8-32	.469
10-32	.500
1/4-28	.562
5/16-24	.718
3/8-24	.828

Rivet Spacing Chart " E "	
NUT THREADS DIA - PITCH	Rivet Spacing
4-40 Thru 10-32	.219
1/4-28 Thru 3/8-24	.269

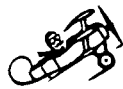
Rivet Spacing Chart " H "	
NUT THREADS DIA - PITCH	Rivet Spacing
4-40 Thru 10-32	.590
1/4-28	.752

Rivet Spacing Chart " C "	
NUT THREADS DIA - PITCH	Rivet Spacing
4-40 Thru 3/8-24	.312

Rivet Spacing Chart " F "	
NUT THREADS DIA - PITCH	Rivet Spacing
4-40	.287
6-32	.308
8-32	.331
10-32	.354
1/4-28	.398
5/16-24	.508
3/8-24	.585

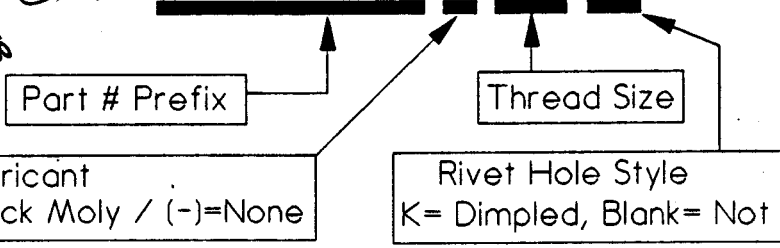
Thread Sizes (XX)	
Dash #	Dia. / Pitch
04	4-40
06	6-32
08	8-32
3	10-32
4	1/4-28
5	5/16-24
6	3/8-24

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MS21059 L 08 K

Assortment Kits Available see pages 231 - 236



Lubricant
(L)=Black Moly / (-)=None

Rivet Hole Style
K= Dimpled, Blank= Not

Dimpled rivet holes are NOT available for the following part numbers: MS21075, MS21076, NAS1033, NAS1473, NAS1474

Rivet size is 3/32 for nutplates sizes 4-40 thru 1/4-28 Rivet size is 1/8" for nutplates sizes 5/16-24 and 3/8-24

If Black Moly is used with Cres. nutplates the maximum temp. is 450 degrees F.