

## **P/N AN173-21A**

### **Description**

Fastener Length: 2-3/16", Hole Diameter: 1/32", Thread: 10-32, Thread Length: 29/64"

\* Manufacturer certifications are shipped with your order <u>FREE</u> of charge

## Order this part online

#### **Additional Information**

SKU / Model: AN17321A

Minimum Qty (MOQ): 1 EA

NSN: 5306-00-141-4507

National Motor Freight: 093486, Bolts, nuts Or Screws, Noi (sub 3)



<sup>\*</sup> See page 2 for technical characteristics

# P/N AN173-21A Specifications

Thread Direction: Right-hand  Thread Length: 0.374 Inches Minimum And 0.453 Inches Maximum Fastenr Length: 4.240 Inches Minimum And 2.187 Inches Maximum Head Style: Hexagon Head Height: 0.109 Inches Minimum And 0.141 Inches Maximum Width Between Flats: 0.365 Inches Minimum And 0.141 Inches Maximum Width Between Flats: 0.046 Inches Nominal Grip Diameter: 0.0486 Inches Minimum And 0.1894 Inches Maximum Hole Diameter: 0.1889 Inches Minimum And 0.1894 Inches Maximum Shank Unthreaded Hole Diameter: 0.070 Inches Minimum First Hole And 0.080 Inches Maximum First Hole Mominal Thread Diameter: 0.190 Inches Minimum And 1.766 Inches Maximum First Hole Hole Quantity: 1.24 Inches Minimum And 1.766 Inches Maximum Hole Quantity: 1.25 Inches Minimum And 1.766 Inches Maximum Hole Quantity Per Inch: 3.24 Inches Minimum And 1.766 Inches Maximum Hole Type: 0.190 Inches Minimum Pirst Hole And 0.080 Inches Maximum Hole Quantity Per Inch: 3.25 Inches Minimum And 1.766 Inches Maximum Hole Quantity Per Inch: 3.25 Inches Minimum And 1.766 Inches Maximum Hole Quantity Per Inch: 3.25 Inches Minimum Overall And 32.0 Rockwell C Maximum Overall Hole Configuration Style: 4.25 One Pounds Per Square Inch Hardness Rating: 4.25 One Pounds Per Square Inch Hole Configuration Style: 4.25 One Pounds Per Square Inch Hole Configuration Style: 5.25 One Pounds Per Square Inches Maximum First Hole Surface From Head Largest Bearing Surface One Head Largest Bearing Surface One Head Largest Bearing Surface One Head Congress Surface One Head Congress Surface One Head Overall One Steel Comp 840 Overall One Steel Comp 8630 Overall One Steel Comp 8735 Overall One Steel Comp 8740 Overall One Steel Comp 874	Thread Class:	3a
Thread Length:         0.374 Inches Minimum And 0.453 Inches Maximum           Fastener Length:         2.140 Inches Minimum And 2.187 Inches Maximum           Head Style:         Hexagon           Head Height:         0.199 Inches Minimum And 0.141 Inches Maximum           Width Between Flats:         0.365 Inches Minimum And 0.377 Inches Maximum           Hole Diameter:         0.046 Inches Nominal           Grip Diameter:         0.1889 Inches Minimum And 0.1894 Inches Maximum           Shank Unthreaded Hole Diameter:         0.070 Inches Minimum First Hole And 0.080 Inches Maximum First Hole           Mominal Thread Diameter:         0.794 Inches Minimum And 1.766 Inches Maximum           Grip Length:         1.734 Inches Minimum And 1.766 Inches Maximum           Hole Quantity:         1.734 Inches Minimum And 1.766 Inches Maximum           Hole Quantity Per Inch:         2.8           Hard Quantity Per Inch:         12500 Pounds Per Square Inch           Hard Guest Strength:         12500 Pounds Per Square Inch           Hard Guest Grow Head Largest Bearing Surface         26.0 Rockwell C Minimum Overall And 32.0 Rockwell C Maximum Overall           Hole Configuration Style:         Hexagon Flats           Stank Hole Center:         3.0 Microinches Bearing Surface Of Head           Surface Finish:         63.0 Microinches Bearing Surface Of Head           Surface F		
Fastener Length:         2.440 Inches Minimum And 2.187 Inches Maximum           Head Style:         Heas agon           Head Height:         0.109 Inches Minimum And 0.141 Inches Maximum           Width Between Flats:         0.365 Inches Minimum And 0.377 Inches Maximum           Hole Diameter:         0.046 Inches Nominal           Grip Diameter:         0.1889 Inches Minimum And 0.1894 Inches Maximum           Shank Unthreaded Hole Diameter:         0.190 Inches Minimum First Hole And 0.080 Inches Maximum First Hole           Nominal Thread Diameter:         0.190 Inches Minimum And 1.766 Inches Maximum           Grip Length:         1.734 Inches Minimum And 1.766 Inches Maximum           Hole Quantity:         1           Hole Quantity Per Inch:         32           Minimum Tensile Strength:         125000 Pounds Per Square Inch           Hardness Rating:         26.0 Rockwell C Minimum Overall And 32.0 Rockwell C Maximum Overall           Hole Configuration Style:         Hexagon Flats           Distance From Head Largest Bearing Surface:         3.000 Inches Minimum First Hole And 2.032 Inches Maximum First Hole           Surface Finish:         3.0 Microinches Bearing Surface Of Head           Surface Finish:         3.0 Microinches Bearing Surface Of Head           Surface Finish:         3.0 Microinches Grip           Surface Finish:         3.0 Microi		
Head Style:         Hexagon           Head Height:         0.109 Inches Minimum And 0.141 Inches Maximum           Width Between Flats:         0.365 Inches Minimum And 0.377 Inches Maximum           Hole Diameter:         0.046 Inches Nominal           Grip Diameter:         0.1889 Inches Minimum And 0.1894 Inches Maximum           Shank Unthreaded Hole Diameter:         0.070 Inches Minimum First Hole And 0.080 Inches Maximum First Hole           Nominal Thread Diameter:         0.190 Inches           Grip Length:         1.734 Inches Minimum And 1.766 Inches Maximum           Hole Quantity:         1.734 Inches Minimum And 1.766 Inches Maximum           Hole Type:         Drilled           Thread Quantity Per Inch:         32           Minimum Tensile Strength:         1.25000 Pounds Per Square Inch           Hardness Rating:         26.0 Rockwell C Minimum Overall And 32.0 Rockwell C Maximum Overall           Hole Configuration Style:         Hexagon Flats           Distance From Head Largest Bearing Surface:         2.000 Inches Minimum First Hole And 2.032 Inches Maximum First Hole           Sunface Finish:         63.0 Microinches Bearing Surface Of Head           Surface Finish:         63.0 Microinches Grip           Material:         Seel Comp 4037 Overall Or Steel Comp 8740 Overall Or Steel Comp 8630 Overall Or Steel Comp 8735 Overall Or Steel Comp 4037 Overall		
Head Height:         0.109 Inches Minimum And 0.141 Inches Maximum           Width Between Flats:         0.365 Inches Minimum And 0.377 Inches Maximum           Hole Diameter:         0.046 Inches Nominal           Grip Diameter:         0.1889 Inches Minimum And 0.1894 Inches Maximum           Shank Unthreaded Hole Diameter:         0.190 Inches Minimum First Hole And 0.080 Inches Maximum First Hole           Nominal Thread Diameter:         0.190 Inches           Grip Length:         1.734 Inches Minimum And 1.766 Inches Maximum           Hole Quantity:         1           Hole Type:         Drilled           Thread Quantity Per Inch:         32           Minimum Tensile Strength:         125000 Pounds Per Square Inch           Hardness Rating:         26.0 Rockwell C Minimum Overall And 32.0 Rockwell C Maximum Overall           Hole Configuration Style:         Hexagon Flats           Distance From Head Largest Bearing Surface To Shank Hole Center:         2000 Inches Minimum First Hole And 2.032 Inches Maximum First Hole           Surface Finish:         63.0 Microinches Bearing Surface Of Head           Surface Finish:         63.0 Microinches Bearing Surface Of Head           Surface Finish:         63.0 Microinches Grip           Material:         54.0 Microinches Grip           Waterial:         54.0 Microinches Grip	-	
Width Between Flats:         0.365 Inches Minimum And 0.377 Inches Maximum           Hole Diameter:         0.046 Inches Nominal           Grip Diameter:         0.1889 Inches Minimum And 0.1894 Inches Maximum           Shank Unthreaded Hole Diameter:         0.070 Inches Minimum First Hole And 0.080 Inches Maximum First Hole           Nominal Thread Diameter:         0.190 Inches           Grip Length:         1.734 Inches Minimum And 1.766 Inches Maximum           Hole Quantity:         1           Hole Type:         Drilled           Thread Quantity Per Inch:         32           Minimum Tensile Strength:         125000 Pounds Per Square Inch           Hardness Rating:         46.0 Rockwell C Minimum Overall And 32.0 Rockwell C Maximum Overall           Hole Configuration Style:         Hexagon Flats           Distance From Head Largest Bearing Surface To Shank Hole Center:         2.000 Inches Minimum First Hole And 2.032 Inches Maximum First Hole           Surface Finish:         63.0 Microinches Bearing Surface Of Head           Surface Finish:         63.0 Microinches Grip           Material:         Steel Comp 4130 Overall Or Steel Comp 8740 Overall Or Steel Comp 8630 Overall Or Steel Comp 8735 Overall Or Steel Comp 4130 Overall Or Steel Comp 4037 Overall           Surface Treatment:         Cadmium Overall And Chromate Overall           Surface Treatment Document And Classification:		
Hole Diameter: 0.046 Inches Nominal Grip Diameter: 0.1889 Inches Minimum And 0.1894 Inches Maximum Shank Unthreaded Hole Diameter: 0.070 Inches Minimum First Hole And 0.080 Inches Maximum First Hole Nominal Thread Diameter: 0.190 Inches Grip Length: 1.734 Inches Minimum And 1.766 Inches Maximum Hole Quantity: 1 Hole Type: 0rilled Thread Quantity Per Inch: 32 Minimum Tensile Strength: 125000 Pounds Per Square Inch Hardness Rating: 26.0 Rockwell C Minimum Overall And 32.0 Rockwell C Maximum Overall Hole Configuration Style: Hexagon Flats Distance From Head Largest Bearing Surface To Shank Hole Center: 3.000 Inches Minimum First Hole And 2.032 Inches Maximum First Hole Surface Finish: 63.0 Microinches Bearing Surface Of Head Surface Finish: 63.0 Microinches Grip Material: Seel Comp 4140 Overall Or Steel Comp 8740 Overall Or Steel Comp 8735 Overall Or Steel Surface Treatment: Cadmium Overall And Chromate Overall Surface Treatment Document And Classification: 0q-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall		
Grip Diameter:       0.1889 Inches Minimum And 0.1894 Inches Maximum         Shank Unthreaded Hole Diameter:       0.070 Inches Minimum First Hole And 0.080 Inches Maximum First Hole         Nominal Thread Diameter:       0.190 Inches         Grip Length:       1.734 Inches Minimum And 1.766 Inches Maximum         Hole Quantity:       1         Hole Type:       Drilled         Thread Quantity Per Inch:       32         Minimum Tensile Strength:       125000 Pounds Per Square Inch         Hardness Rating:       26.0 Rockwell C Minimum Overall And 32.0 Rockwell C Maximum Overall         Hole Configuration Style:       Hexagon Flats         Distance From Head Largest Bearing Surface To Shank Hole Center:       2.000 Inches Minimum First Hole And 2.032 Inches Maximum First Hole         Surface Finish:       63.0 Microinches Grip         Material:       Steel Comp 4140 Overall Or Steel Comp 8740 Overall Or Steel Comp 8630 Overall Or Steel Comp 8735 Overall Or Steel Comp 4130 Overall Or Steel Comp 4037 Overall         Surface Treatment:       Cadmium Overall And Chromate Overall         Surface Treatment Document And Classification:       Q-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall	Width Between Flats:	0.365 Inches Minimum And 0.377 Inches Maximum
Shank Unthreaded Hole Diameter:       0.070 Inches Minimum First Hole And 0.080 Inches Maximum First Hole         Nominal Thread Diameter:       0.190 Inches         Grip Length:       1.734 Inches Minimum And 1.766 Inches Maximum         Hole Quantity:       1         Hole Type:       Drilled         Thread Quantity Per Inch:       32         Minimum Tensile Strength:       125000 Pounds Per Square Inch         Hardness Rating:       26.0 Rockwell C Minimum Overall And 32.0 Rockwell C Maximum Overall         Hole Configuration Style:       Hexagon Flats         Distance From Head Largest Bearing Surface To Shank Hole Center:       2.000 Inches Minimum First Hole And 2.032 Inches Maximum First Hole         Surface Finish:       63.0 Microinches Bearing Surface Of Head         Surface Finish:       63.0 Microinches Grip         Material:       Steel Comp 4140 Overall Or Steel Comp 8740 Overall Or Steel Comp 8630 Overall Or Steel Comp 8735 Overall Or Steel Comp 4130 Overall Or Steel Comp 4037 Overall         Surface Treatment:       Cadmium Overall And Chromate Overall         Surface Treatment Document And Classification:       Q-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall	Hole Diameter:	0.046 Inches Nominal
Nominal Thread Diameter:       0.190 Inches         Grip Length:       1.734 Inches Minimum And 1.766 Inches Maximum         Hole Quantity:       1         Hole Type:       Drilled         Thread Quantity Per Inch:       32         Minimum Tensile Strength:       125000 Pounds Per Square Inch         Hardness Rating:       26.0 Rockwell C Minimum Overall And 32.0 Rockwell C Maximum Overall         Hole Configuration Style:       Hexagon Flats         Distance From Head Largest Bearing Surface To Shank Hole Center:       2.000 Inches Minimum First Hole And 2.032 Inches Maximum First Hole         Surface Finish:       63.0 Microinches Bearing Surface Of Head         Surface Finish:       63.0 Microinches Grip         Material:       Steel Comp 4140 Overall Or Steel Comp 8740 Overall Or Steel Comp 8630 Overall Or Steel Comp 8735 Overall Or Steel Comp 4130 Overall Or Steel Comp 4037 Overall         Surface Treatment:       Cadmium Overall And Chromate Overall         Surface Treatment Document And Classification:       Qq-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall	Grip Diameter:	0.1889 Inches Minimum And 0.1894 Inches Maximum
Grip Length:  Hole Quantity:  Hole Type:  Drilled  Thread Quantity Per Inch:  32  Minimum Tensile Strength:  Hardness Rating:  Hole Configuration Style:  Distance From Head Largest Bearing Surface To Shank Hole Center:  Surface Finish:  63.0 Microinches Bearing Surface Of Surface Finish:  Material:  Surface Treatment:  Cadmium Overall And Classification:  1.734 Inches Minimum And 1.766 Inches Maximum  1.776 Inches	Shank Unthreaded Hole Diameter:	0.070 Inches Minimum First Hole And 0.080 Inches Maximum First Hole
Hole Quantity: Hole Type: Drilled Thread Quantity Per Inch: 32 Minimum Tensile Strength: Hardness Rating: Hole Configuration Style: Hexagon Flats Distance From Head Largest Bearing Surface To Shank Hole Center: Surface Finish: 63.0 Microinches Bearing Surface Of Head Surface Finish: 63.0 Microinches Grip Material: Surface Treatment: Cadmium Overall Or Steel Comp 4130 Overall Or Steel Comp 4037 Overall Surface Treatment Document And Classification: Qr-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall	Nominal Thread Diameter:	0.190 Inches
Hole Type:DrilledThread Quantity Per Inch:32Minimum Tensile Strength:125000 Pounds Per Square InchHardness Rating:26.0 Rockwell C Minimum Overall And 32.0 Rockwell C Maximum OverallHole Configuration Style:Hexagon FlatsDistance From Head Largest Bearing Surface To Shank Hole Center:2.000 Inches Minimum First Hole And 2.032 Inches Maximum First HoleSurface Finish:63.0 Microinches Bearing Surface Of HeadSurface Finish:63.0 Microinches GripMaterial:Steel Comp 4140 Overall Or Steel Comp 8740 Overall Or Steel Comp 8630 Overall Or Steel Comp 8735 Overall Or Steel Comp 4130 Overall Or Steel Comp 4037 OverallSurface Treatment:Cadmium Overall And Chromate OverallSurface Treatment Document And Classification:Qq-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall	Grip Length:	1.734 Inches Minimum And 1.766 Inches Maximum
Thread Quantity Per Inch:  Minimum Tensile Strength:  125000 Pounds Per Square Inch  125000 Pounds Per Square Inch  Hardness Rating:  26.0 Rockwell C Minimum Overall And 32.0 Rockwell C Maximum Overall  Hole Configuration Style:  Hexagon Flats  Distance From Head Largest Bearing Surface To Shank Hole Center:  2.000 Inches Minimum First Hole And 2.032 Inches Maximum First Hole  Surface Finish:  63.0 Microinches Bearing Surface Of Head  Surface Finish:  63.0 Microinches Grip  Material:  Steel Comp 4140 Overall Or Steel Comp 8740 Overall Or Steel Comp 8630 Overall Or Steel Comp 8735 Overall Or Steel Comp 4130 Overall Or Steel Comp 4037 Overall  Surface Treatment:  Cadmium Overall And Chromate Overall  Surface Treatment Document And Classification:  Qq-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall	Hole Quantity:	1
Minimum Tensile Strength:  Hardness Rating:  26.0 Rockwell C Minimum Overall And 32.0 Rockwell C Maximum Overall  Hole Configuration Style:  Hexagon Flats  Distance From Head Largest Bearing Surface To Shank Hole Center:  Surface Finish:  63.0 Microinches Bearing Surface Of Head  Surface Finish:  63.0 Microinches Grip  Steel Comp 4140 Overall Or Steel Comp 8740 Overall Or Steel Comp 8630 Overall Or Steel Comp 8735 Overall Or Steel  Comp 4130 Overall And Chromate Overall  Surface Treatment:  Cadmium Overall And Chromate Overall  Surface Treatment Document And Classification:  Qq-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall	Hole Type:	Drilled
Hardness Rating:  Hole Configuration Style:  Distance From Head Largest Bearing Surface To Shank Hole Center:  Surface Finish:  63.0 Microinches Bearing Surface Of Head  Surface Finish:  63.0 Microinches Grip  Material:  Steel Comp 4140 Overall Or Steel Comp 8740 Overall Or Steel Comp 8630 Overall Or Steel Comp 8735 Overall Or Steel  Comp 4130 Overall Or Steel Comp 4037 Overall  Surface Treatment:  Cadmium Overall And Chromate Overall  Surface Treatment Document And Classification:  Qq-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall	Thread Quantity Per Inch:	32
Hole Configuration Style:  Distance From Head Largest Bearing Surface To Shank Hole Center:  Surface Finish:  63.0 Microinches Bearing Surface Of Head  Surface Finish:  63.0 Microinches Grip  Material:  Surface Treatment:  Surface Treatment Document And Classification:  Hexagon Flats  2.000 Inches Minimum First Hole And 2.032 Inches Maximum First Hole  Surface Of Head  63.0 Microinches Grip  Steel Comp 4140 Overall Or Steel Comp 8740 Overall Or Steel Comp 8630 Overall Or Steel Comp 8735 Overall Or Steel  Comp 4130 Overall And Chromate Overall  Surface Treatment Document And Classification:  Qq-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall	Minimum Tensile Strength:	125000 Pounds Per Square Inch
Distance From Head Largest Bearing Surface To Shank Hole Center:  Surface Finish:  Surface Finish:  63.0 Microinches Bearing Surface Of Head  Surface Finish:  63.0 Microinches Grip  Material:  Steel Comp 4140 Overall Or Steel Comp 8740 Overall Or Steel Comp 8630 Overall Or Steel Comp 8735 Overall Or Steel Comp 4130 Overall Or Steel Comp 4037 Overall  Surface Treatment:  Cadmium Overall And Chromate Overall  Surface Treatment Document And Classification:  Qq-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall	Hardness Rating:	26.0 Rockwell C Minimum Overall And 32.0 Rockwell C Maximum Overall
Shank Hole Center:  Surface Finish:  63.0 Microinches Bearing Surface Of Head  Surface Finish:  63.0 Microinches Grip  Steel Comp 4140 Overall Or Steel Comp 8740 Overall Or Steel Comp 8735 Overall Or Steel Comp 4130 Overall Or Steel Comp 4037 Overall  Surface Treatment:  Cadmium Overall And Chromate Overall  Surface Treatment Document And Classification:  Qq-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall	Hole Configuration Style:	Hexagon Flats
Surface Finish:  Material:  Steel Comp 4140 Overall Or Steel Comp 8740 Overall Or Steel Comp 8630 Overall Or Steel Comp 8735 Overall Or Steel Comp 4130 Overall Or Steel Comp 4037 Overall  Surface Treatment:  Cadmium Overall And Chromate Overall  Surface Treatment Document And Classification:  Qq-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall		2.000 Inches Minimum First Hole And 2.032 Inches Maximum First Hole
Material:  Steel Comp 4140 Overall Or Steel Comp 8740 Overall Or Steel Comp 8630 Overall Or Steel Comp 8735 Overall Or Steel Comp 4130 Overall Or Steel Comp 4037 Overall  Surface Treatment:  Cadmium Overall And Chromate Overall  Surface Treatment Document And Classification:  Qq-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall	Surface Finish:	63.0 Microinches Bearing Surface Of Head
Comp 4130 Overall Or Steel Comp 4037 Overall  Surface Treatment: Cadmium Overall And Chromate Overall  Surface Treatment Document And Classification: Qq-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall	Surface Finish:	63.0 Microinches Grip
Surface Treatment Document And Classification: Qq-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall	Material:	
	Surface Treatment:	Cadmium Overall And Chromate Overall
Thread Series Designator: Unf	Surface Treatment Document And Classification:	Qq-p-416,ty 2,cl 3 Fed Spec All Treatment Responses Overall
	Thread Series Designator:	Unf

## **How to Order**

