

# P/N MS27641-5

### **Description**

intermediate duty, anti-friction, MS27641 series bearing

\* Manufacturer certifications are shipped with your order EREE of charge

# Order this part online

#### **Additional Information**

SKU / Model: MS276415

Minimum Qty (MOQ):

NSN: 3110-00-033-9851

ECCN: EAR99

National Motor Freight: 114820, Bearings / Bushings Noi Ball / Roller









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

# P/N MS27641-5 Specifications

Nore Indicated Softmater  Overall Outside Diameter:  Outer Ring Width:  O.2340 Inches Nominal  Inner Ring Width:  O.2340 Inches Nominal  Inner Ring Width:  O.2340 Inches Nominal  Inner Ring Width:  O.2340 Inches Nominal  Seal Quantity:  2  Bearing Seal Type:  Contact  Load Direction:  Standard Tolerance Designation:  Standard Tolerance Designation:  Stendard Tolerance Designation:  Standard Tolerance Designation:  Standard Tolerance Designation:  Stendard Tolerance Designation:  Stendard Tolerance Designation:  Mill-g-81322 Internal Radial Clearance 0.0004-0.0010 In.,heat Treat Rings And Balls To Rockwell C 60 To 66 And Stabilized For Operation At 250 Deg F And Radial And Lateral Eccentricity Inner Ring 0.0010 In. Outer Ring 0.0016 In.  Lubrication Material Document And  Classification:  Material:  Steel Comp E51100 Ball or Steel Comp E52100 Ball  Material:  Steel Comp E52100 Inner Ring  Material:  Steel Comp E52100 Outer Ring  Material Document And  Classification:  Surface Treatment Document And  Classification:  Surface Treatment Document And  Classification:  Surface Treatment Document And  Classification:  Single Row Inner Ring Extended Both Sides	Davis Diamentam	0.3135 Inches Naminal
Lubrication Material:         Grease           Outer Ring Width:         0.2940 Inches Nominal           Inner Ring Width:         0.2970 Inches Nominal           Seal Quantity:         2           Bearing Seal Type:         Contact           Load Direction:         Radial           Standard Tolerance Designation:         Atbma Std Tolerance For Airframe Ball Bearings           Special Features:         280 Pct Full Of Mil-g-81322, internal Radial Clearance 0.0004-0.0010 In., heat Treat Rings And Balls To Rockwell C 60 To 66 And Stabilized For Operation At 250 Deg F And Radial And Lateral Eccentricity Inner Ring 0.0010 In. Outer Ring 0.0016 In.           Lubrication Material Document And Classification:         Mil-g-81322 Mil Spec Single Material Response           Material:         Steel Comp E52100 Inner Ring           Material:         Steel Comp E52100 Inner Ring           Material:         Steel Corne E52100 Outer Ring           Material Document And Classification:         66 Fed Std All Material Responses Ball           Material Document And Classification:         66 Fed Std Single Material Response Outer Ring           Material Document And Classification:         67 Fed Std Single Material Response Outer Ring           Material Document And Classification:         68 Fed Std Single Material Response Outer Ring           Material Document And Classification:         69 Fed Std Single Material Response Outer Ring	Bore Diameter:	0.3125 Inches Nominal
Outer Ring Width:         0.2340 Inches Nominal           Inner Ring Width:         0.2970 Inches Nominal           Seal Quantity:         2           Bearing Seal Type:         Contact           Load Direction:         Radial           Standard Tolerance Designation:         Afbma Std Tolerance For Airframe Ball Bearings           Special Features:         280 PCt Full Of Mil-g-B1322 Jinternal Radial Clearance 0.0004-0.0010 In., heat Treat Rings And Balls To Rockwell C 60 To 66 And Stabilized For Operation At 250 Dag F And Radial And Lateral Eccentricity Inner Ring 0.0010 In. Outer Ring 0.0016 In.           Lubrication Material Document And Classification:         Mil-g-81322 Mil Spec Single Material Response           Material:         Plastic Polytetrafluoroethylene Seal           Material:         Steel Comp E52100 Ball Or Steel Comp E52100 Ball           Material:         Steel Comp E52100 Inner Ring           Material:         Steel Comp E52100 Outer Ring           Material:         Steel Corng E52100 Inner Ring           Material Document And Classification:         66 Fed Std All Material Response Ball           Material Document And Classification:         66 Fed Std Single Material Response Outer Ring           Material Document And Classification:         67 Fed Std Single Material Response Outer Ring           Material Document And Classification:         69 Fed Std Single Material Response Outer Ring		
Inner Ring Wildth:         0.2970 Inches Nominal           Seal Quantity:         2           Bearing Seal Type:         Contact           Load Direction:         Radial           Standard Tolerance Designation:         Afbma Std Tolerance For Airframe Ball Bearings           Special Features:         280 Pct Full Of Mill-g-81322, internal Radial Clearance 0.0004-0.0010 In., heat Treat Rings And Balls To Rockwell C 60 To 66 And Stabilized For Operation At 250 Deg F And Radial And Lateral Eccentricity Inner Ring 0.0010 In. Outer Ring 0.0016 In.           Lubrication Material Document And Classification:         Mil-g-81322 Mill Spec Single Material Response           Material:         Plastic Polytetrafluoroethylene Seal           Material:         Steel Comp E51100 Ball Or Steel Comp E52100 Ball           Material:         Steel Comp E52100 Inner Ring           Material:         Steel Comp E52100 Outer Ring           Material Document And Classification:         Steel Corps E52100 Strange Retainer           Material Document And Classification:         66 Fed Std Single Material Response Inner Ring           Material Document And Classification:         66 Fed Std Single Material Response Outer Ring           Material Document And Classification:         66 Fed Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal           Material Document And Classification:         Cadmium Exposed Surfaces As Mounted		
Seal Quantity:         2           Bearing Seal Type:         Contact           Load Direction:         Radial           Standard Tolerance Designation:         Afbma Std Tolerance For Airframe Ball Bearings           Special Features:         280 Pct Full of Mil-g-81322, internal Radial Clearance 0.0004-0.0010 In., heat Treat Rings And Balls To Rockwell C 60 To 66 And Stabilized For Operation At 250 Deg F And Radial And Lateral Eccentricity Inner Ring 0.0010 In. Outer Ring 0.0016 In.           Lubrication Material Document And Classification:         Male-g-81322 Mil Spec Single Material Response           Material:         Plastic Polytetrafluoroethylene Seal           Material:         Steel Comp E51100 Ball Or Steel Comp E52100 Ball           Material:         Steel Comp E52100 Inner Ring           Material:         Steel Comp E52100 Outer Ring           Material Document And Classification:         Steel Corn E52100 Outer Ring           Material Document And Classification:         6 Fed Std Single Material Response Inner Ring           Material Document And Classification:         6 Fed Std Single Material Response Outer Ring           Material Document And Classification:         6 Fed Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal Or Ams	Outer Ring Width:	0.2340 Inches Nominal
Bearing Seal Type:         Contact           Load Direction:         Radial           Standard Tolerance Designation:         Afbma Std Tolerance For Airframe Ball Bearings           Special Features:         280 Pct Full Of Mil-g-81322, internal Radial Clearance 0.0004-0.0010 In., heat Treat Rings And Balls To Rockwell C 60 To 66 And Stabilized For Operation At 250 Deg F And Radial And Lateral Eccentricity Inner Ring 0.0010 In. Outer Ring 0.0016 In.           Lubrication Material Document And Classification:         Mil-g-81322 Mil Spec Single Material Response           Material:         Plastic Polytetrafluoroethylene Seal           Material:         Steel Comp E51100 Ball Or Steel Comp E52100 Ball           Material:         Steel Comp E51100 Unner Ring           Material:         Steel Comp E52100 Outer Ring           Material Document And Classification:         66 Fed Std All Material Responses Ball           Material Document And Classification:         66 Fed Std Single Material Response Inner Ring           Material Document And Classification:         66 Fed Std Single Material Response Outer Ring           Material Document And Classification:         Ams 3652 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal           Material Document And Classification:         Cadmium Exposed Surfaces As Mounted	Inner Ring Width:	0.2970 Inches Nominal
Load Direction:RadialStandard Tolerance Designation:Afbma Std Tolerance For Airframe Ball BearingsSpecial Features:280 Pct Full Of Mil-g-81322.internal Radial Clearance 0.0004-0.0010 In.,heat Treat Rings And Balls To Rockwell C 60 To 66 And Stabilized For Operation At 250 Deg F And Radial And Lateral Eccentricity Inner Ring 0.0010 In. Outer Ring 0.0016 In.Lubrication Material Document And Classification:Mil-g-81322 Mil Spec Single Material ResponseMaterial:Plastic Polytetrafluoroethylene SealMaterial:Steel Comp E51100 Ball Or Steel Comp E52100 BallMaterial:Steel Comp E52100 Inner RingMaterial:Steel Comp E52100 Outer RingMaterial:Steel Comp E52100 Outer RingMaterial Document And Classification:66 Fed Std All Material Response BallMaterial Document And Classification:66 Fed Std Single Material Response Inner RingMaterial Document And Classification:66 Fed Std Single Material Response Outer RingMaterial Document And Classification:66 Fed Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response SealMaterial Document And Classification:Ams 3652 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response SealSurface Treatment:Cadmium Exposed Surfaces As MountedSurface Treatment Document And Classification:Qu-p-416, by 1, cl 2 Fed Spec Single Treatment Response Exposed Surfaces As Mounted	Seal Quantity:	2
Standard Tolerance Designation:         Afbma Std Tolerance For Airframe Ball Bearings           Special Features:         280 Pct Full Of Mil-g-81322, internal Radial Clearance 0.0004-0.0010 In., heat Treat Rings And Balls To Rockwell C 60 To 66 And Stabilized For Operation At 250 Deg F And Radial And Lateral Eccentricity Inner Ring 0.0010 In. Outer Ring 0.0016 In.           Lubrication Material Document And Classification:         Mil-g-81322 Mil Spec Single Material Response           Material:         Plastic Polytetrafluoroethylene Seal           Material:         Steel Comp E51100 Ball Or Steel Comp E52100 Ball           Material:         Steel Comp E52100 Uner Ring           Material:         Steel Corrosion Resisting Retainer           Material Document And Classification:         66 Fed Std All Material Responses Ball           Material Document And Classification:         66 Fed Std Single Material Response Inner Ring           Material Document And Classification:         66 Fed Std Single Material Response Outer Ring           Material Document And Classification:         Ams 3652 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal           Surface Treatment:         Cadmium Exposed Surfaces As Mounted           Surface Treatment Document And Classification:         Qep-416.ty 1.cl 2 Fed Spec Single Treatment Response Exposed Surfaces As Mounted	Bearing Seal Type:	Contact
Special Features:  280 Pct Full Of Mil-g-81322, internal Radial Clearance 0.0004-0.0010 In., heat Treat Rings And Balls To Rockwell C 60 To 66 And Stabilized For Operation At 250 Deg F And Radial And Lateral Eccentricity Inner Ring 0.0010 In. Outer Ring 0.0016 In.  Lubrication Material Document And Classification:  Mil-g-81322 Mil Spec Single Material Response  Material:  Plastic Polytetrafluoroethylene Seal  Material:  Steel Comp E51100 Ball Or Steel Comp E52100 Ball  Material:  Steel Comp E52100 Inner Ring  Material:  Steel Comp E52100 Outer Ring  Material:  Steel Corrosion Resisting Retainer  Material Document And Classification:  66 Fed Std All Material Response Ball  Material Document And Classification:  Classification:  Classification:  Ams 3652 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal  Surface Treatment Document And Classification:  Cadmium Exposed Surfaces As Mounted  Oq-p-416,ty 1,cl 2 Fed Spec Single Treatment Response Exposed Surfaces As Mounted	Load Direction:	Radial
Special Features:  Stabilized For Operation At 250 Deg F And Radial And Lateral Eccentricity Inner Ring 0.0010 In. Outer Ring 0.0016 In.  Lubrication Material Document And Classification:  Mil-g-81322 Mil Spec Single Material Response  Material:  Plastic Polytetrafluoroethylene Seal  Material:  Steel Comp E51100 Ball Or Steel Comp E52100 Ball  Material:  Steel Comp E52100 Inner Ring  Material:  Steel Comp E52100 Outer Ring  Material:  Steel Corrosion Resisting Retainer  Material Document And Classification:  Ams 3652 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal  Surface Treatment:  Cadmium Exposed Surfaces As Mounted  Oq-p-416,ty 1,cl 2 Fed Spec Single Treatment Response Exposed Surfaces As Mounted	Standard Tolerance Designation:	Afbma Std Tolerance For Airframe Ball Bearings
Classification:       Mil-g-81322 Mil Spec Single Material Response         Material:       Plastic Polytetrafluoroethylene Seal         Material:       Steel Comp E51100 Ball Or Steel Comp E52100 Ball         Material:       Steel Comp E52100 Unner Ring         Material:       Steel Comp E52100 Outer Ring         Material:       Steel Corrosion Resisting Retainer         Material Document And Classification:       66 Fed Std All Material Responses Ball         Material Document And Classification:       66 Fed Std Single Material Response Inner Ring         Material Document And Classification:       66 Fed Std Single Material Response Outer Ring         Material Document And Classification:       Ams 3652 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal         Surface Treatment:       Cadmium Exposed Surfaces As Mounted         Surface Treatment Document And Classification:       Oq-p-416,ty 1,cl 2 Fed Spec Single Treatment Response Exposed Surfaces As Mounted	Special Features:	
Material:Steel Comp E51100 Ball Or Steel Comp E52100 BallMaterial:Steel Comp E52100 Inner RingMaterial:Steel Comp E52100 Outer RingMaterial:Steel Corrosion Resisting RetainerMaterial Document And Classification:66 Fed Std All Material Responses BallMaterial Document And Classification:66 Fed Std Single Material Response Inner RingMaterial Document And Classification:66 Fed Std Single Material Response Outer RingMaterial Document And Classification:66 Fed Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response SealMaterial Document And Classification:Ams 3652 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response SealSurface Treatment:Cadmium Exposed Surfaces As MountedSurface Treatment Document And Classification:Qq-p-416,ty 1,cl 2 Fed Spec Single Treatment Response Exposed Surfaces As Mounted		Mil-g-81322 Mil Spec Single Material Response
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Material:Steel Comp E52100 Outer RingMaterial:Steel Corrosion Resisting RetainerMaterial Document And Classification:66 Fed Std All Material Responses BallMaterial Document And Classification:66 Fed Std Single Material Response Inner RingMaterial Document And Classification:66 Fed Std Single Material Response Outer RingMaterial Document And Classification:Ams 3652 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response SealMaterial Document And Classification:Cadmium Exposed Surfaces As MountedSurface Treatment:Cadmium Exposed Surfaces As MountedSurface Treatment Document And Classification:Qq-p-416,ty 1,cl 2 Fed Spec Single Treatment Response Exposed Surfaces As Mounted	Material:	Steel Comp E51100 Ball Or Steel Comp E52100 Ball
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Classification:  Material Document And Classification:  Ams 3652 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal  Cadmium Exposed Surfaces As Mounted  Surface Treatment Document And Classification:  Qq-p-416,ty 1,cl 2 Fed Spec Single Treatment Response Exposed Surfaces As Mounted		66 Fed Std Single Material Response Inner Ring
Classification:  Ams 3652 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal  Surface Treatment:  Cadmium Exposed Surfaces As Mounted  Surface Treatment Document And Classification:  Qq-p-416,ty 1,cl 2 Fed Spec Single Treatment Response Exposed Surfaces As Mounted		66 Fed Std Single Material Response Outer Ring
Surface Treatment Document And Classification:  Qq-p-416,ty 1,cl 2 Fed Spec Single Treatment Response Exposed Surfaces As Mounted		Ams 3652 Assn Std Single Material Response Seal Or Ams 3666 Assn Std Single Material Response Seal
Classification: Qq-p-416,ty 1,cl 2 Fed Spec Single Treatment Response Exposed Surfaces As Mounted	Surface Treatment:	Cadmium Exposed Surfaces As Mounted
Style Designator: Single Row Inner Ring Extended Both Sides		Qq-p-416,ty 1,cl 2 Fed Spec Single Treatment Response Exposed Surfaces As Mounted
	Style Designator:	Single Row Inner Ring Extended Both Sides

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