NSN 3020-00-434-6474

Helical Gear - Page 1 of 2



View Online at https://aerobasegroup.com/nsn/3020-00-434-6474

Body Style:
Webbed, offset, solid
Attachment Method:
Mounting hole
Pitch Diameter:
11.8430 inches
Teeth Quantity:
94
Bore Style:
Tapered w/keyway both ends
Mounting Hole Thread Series Designator:
Unc axially through body, first end
Hardness Rating:
310.0 brinell standard and 350.0 brinell standard
Mounting Hole Thread Size:
0.190 inches axially through body, first end
Mounting Hole Type And Quantity:
2 threaded axially through body, first end
Outside Diameter:
12.0610 inches
Teeth Type:
Single helix
Tooth Form:
Standard
Tooth Direction:
Right
Pressure Angle:
20.0000 degrees
Helix Angle:
30.0483 degrees
Distance Between Body Face And Protruding Hub End:
0.500 inches first end
Body Recess Depth:
0.875 inches second end
Face Width:
2.750 inches
Keyway Width:
0.500 inches both ends
Distance From Bore Center To Keyway Bottom:
1.387 inches both ends
Taper Major Diameter:

2.243 inches both ends

NSN 3020-00-434-6474 Helical Gear - Page 2 of 2



Hub Style Designator:
1 step first end
End Length:
0.375 inches first end
End Diameter:
2.750 inches first end
First Step Length:
0.125 inches first end
First Step Diameter:
4.125 inches first end
Bolt Hole Circle Diameter:
6.750 inches axially through body, first end
Material:
Steel comp 4340
Material Specification:
Mil-s-19434, class 5 military specification single material response
Style Designator:
Protruding hub, recessed body
Shelf Life:
N/a
Unit Of Measure:
Demilitarization:
No
Fiig:
A27300
Mil-std (military Standard):
Mil-s-19434 spec.