NSN 3040-00-585-3653

Worm Shaft - Page 1 of 2



8040-00-585-3653

View Online at https://aerobasegroup.com/nsn/30
End Similarity:
Not identical
Thread Length:
1.813 inches first end, second portion
Overall Length:
27.344 inches
Keyway Width:
0.250 inches second end, seventh portion
Keyway Depth:
0.094 inches second end, seventh portion
Screw Thread Series Designator:
Uns second end, seventh portion
Shaft Thread Direction:
Right-hand second end, seventh portion
Teeth Hardness Rating:
Between 37.0 rockwell c and 40.0 rockwell c
Worm Thread Quantity:
2
Worm Thread Lead:
2.8125 inches
Worm Thread Direction:
Right-hand
Worm Pressure Angle In Deg:
27.500
Worm Helix Angle:
18 degrees 50 min
Worm Outside Diameter:
Between 3.517 inches and 3.519 inches
Worm Pitch Diameter:
2.623 inches
Shaft Hardness Rating:
Between 37.0 rockwell c and 40.0 rockwell c
Worm Thread Section Length:
4.750 inches
Worm Body Length:
4.750 inches
Worm Body Tapered Bearing Surface End:
Not provided
Shaft Location:
Both ends of worm
Straight Unthreaded Length:

4.422 inches second end, fourth portion

NSN 3040-00-585-3653

Worm Shaft - Page 2 of 2



Straight Unthreaded Section Diameter:

1.1812 inches second end, sixth portion

Unthreaded Section Keyway Width:

0.2520 inches second end, seventh portion

Unthreaded Section Keyway Depth:

0.140 inches second end, seventh portion

Threaded Section Pin Hole Diameter:

0.219 inches first end, second portion

Material:

Steel, mil-s-5000, cond e2

Material:

Steel, mil-s-5000, cond e2

Shelf Life:

N/a

Unit Of Measure:

Demilitarization:

No

Fiig:

T246-c