

View Online at <https://aerobasegroup.com/nsn/3020-01-238-8339>

Body Style:

Plain, solid

Spline Quantity:

14 both ends

Pitch Diameter:

2.2222 inches

Teeth Quantity:

20

Bore Style:

Involute spline both ends

Spline Pitch Diameter:

0.58333 inches both ends

Outside Diameter:

2.444 inches

Tooth Form:

Standard

Pressure Angle:

20.0000 degrees

Face Width:

0.250 inches

Bore Diameter:

0.644 inches both ends

Special Features:

Heat treat to rc 31-36 per mil-h-687 (140-160 ksi tensile strength); spur gear data: diametral pitch=9, addendum=0.1111, root dia.=1.944, max. Tooth thk.=0.17253, meas. Over pins=2.4832, pindia.=0.192, testing pressure(oz.)=33-39, center distance radius=1.1043, max.

Tooth-tooth composite error=0.00161, max.Total composite error=0.00425, no. Of teeth(mating gear) =40, nom. Center distance=3.333; spline data: base dia.=0.50518, class of fit=5, spline pitch=24/48, pin dia.=0.072, dia. Between pins=0.4826, form dia. Min.=0.629, tooth form=flatroot side fit involute per ansi b92.1-1970

Material:

Steel comp 4140

Material Specification:

Mil-s-5636 military specification single material response

Surface Treatment:

Oxide

Surface Treatment Specification:

Mil-c-13924, class 1 military specification single treatment response

Style Designator:

Hubless

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

No

Fig:

Mil-std (military Standard):

Mil-s-5636 spec.