

View Online at <https://aerobasegroup.com/nsn/3020-01-307-9071>

**Spline Quantity:**

23 both ends

**End Application:**

F-15 acft

**Bore Style:**

Involute spline both ends

**Design Type:**

Spur all gears

**Spline Pitch Diameter:**

0.7188 inches both ends

**Construction:**

Solid

**Hardness Rating:**

30.0 rockwell c and 35.0 rockwell c

**Outside Diameter:**

4.897 inches first gear

**Nominallength:**

0.950 inches

**Hub Length:**

0.190 inches between first and second gear

**Bore Diameter:**

0.622 inches both ends

**Hub Style Designator:**

Plain first end

**Hub Diameter:**

1.600 inches between first and second gear

**Precision Classification:**

Quality number 8 all gears

**Special Features:**

1st gear data: 40 teeth; pressure angle 20.0000; pitch dia. 4.6875; diametral pitch 8.5333; 2nd gear data: 20 teeth; pressure angle 20.0000; pitch dia. 2.0000; diametral pitch 10; involute spline data: pressure angle 30.0000; pitch 32/64; 6 lightening holes 1.000 dia.

**Material:**

Steel comp 4130 or steel comp 4140

**Material Specification:**

Astm-a322 assn standard 1st material response or astm-a331 assn standard 2nd material response

**Surface Treatment:**

Phosphate

**Surface Treatment Specification:**

Mil-std-171 military specification single treatment response

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

A270a0

**Mil-std (military Standard):**

Mil-std-171 spec.