

Synchro, Torque Receiver, Type 26V-10TR4

FSC 5990

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SAE AS20708/500

The complete requirements for procuring the synchro described herein shall consist of this document and the issue in effect of MIL-S-20708.

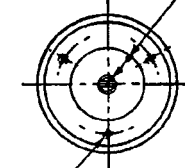
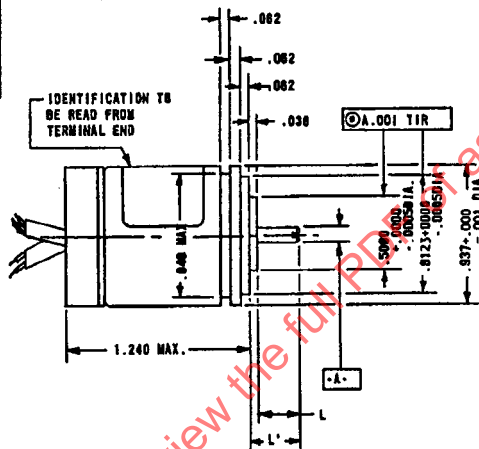
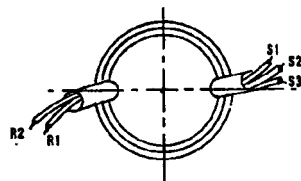
SPLINE DATA	
TEETH	19
PITCH	120
PITCH DIAMETER	.1093 +.0000 -.0020
OUTSIDE DIAMETER	.1247 +.0000 -.0003
PRESSURE ANGLE	20°
ROOT DIAMETER MAX.	.089
TOOTH FORM	FULL DEPTH INVOLUTE

NOTE: THE END FUNCTION OF THIS SPLINE IS FOR POSITIVE ROTATIONAL FASTENINGS. IT IS NOT TO BE USED AS A GEAR. THIS SPLINE SHALL BE INSPECTED BY (SPLINE) GO COMPOSITE RING GAGE US-80406-2.

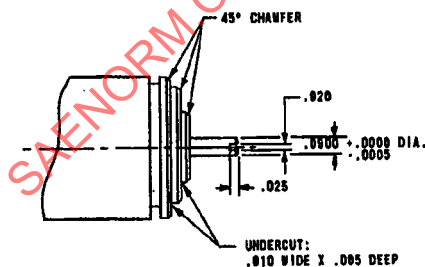
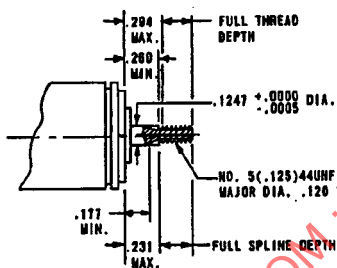
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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCE ON FRACTIONS $\pm 1/64$
DECIMALS $\pm .005$ ANGLES $\pm 5^\circ$

MARK ON HOUSING IS TO MATCH SHAFT—
MARK WITHIN 10° WHEN ROTOR IS SET
AT APPROXIMATELY SYNCHRD ZERO, AND
WILL BEAR NO RELATION TO THE CENTER
LINES SHOWN ON THIS DRAWING.



2-64UNF-2B
.0625 MAX. DEPTH
3 HOLES EQUALLY SPACED
ON .870 ±.003 DIA.



NOTES:

1. PERPENDICULARITY AND CONCENTRICITY SHALL BE MEASURED WITH THE UNIT IN VERTICAL POSITION SUPPORTED BY THE SHAFT. THEN THE HOUSING ROTATED.
2. RUNOUT OF FEATURE 'A' (SMOOTH PORTION) OF SHAFT SHALL NOT EXCEED .0004 TIR.
3. END PLAY AND RADIAL PLAY SHALL BE MEASURED DURING REVERSAL OF THE FOLLOWING LOADS:
END PLAY - 1/2 POUND RADIAL PLAY - 1/2 POUND
4. TERMINAL LEAD WIRES SHALL DEPART THROUGH THE BACK SURFACE OF THE TERMINAL END OF THE SYNCHRO IN ANY ACCEPTABLE MANNER.
5. THE FOLLOWING HARDWARE, WHEN REQUIRED, NS-17188-5 DRIVE WASHER (1 REQUIRED) AND NS-17187-1 NUT (1 REQUIRED) SHALL BE PACKAGED IN A VENTILATED ENVELOPE MADE OF MATERIAL HAVING A PH VALUE OF 6-8 THAT IS COMPATIBLE WITH THE WEIGHT OF THE CONTENTS, THEN THE PACKAGED HARDWARE SHALL BE PLACED IN THE UNIT SYNCHRO PACKAGE.
6. MINOR VARIATIONS OF UNIT CONFIGURATION ARE PERMITTED FOR UNDIMENSIONED DESIGN DETAIL.
7. HOUSING SHALL BE OF ALUMINUM.