

Synchro, Torque Receiver, Type 26V-10TR4

FSC 5990

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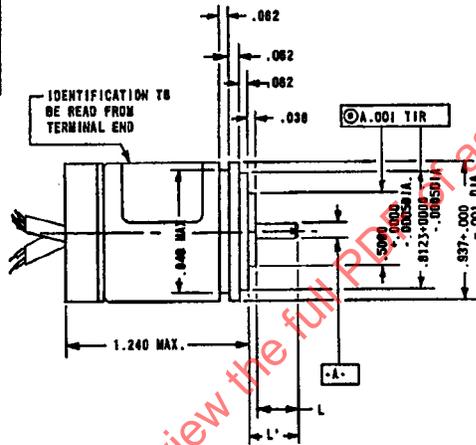
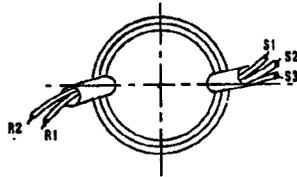
SAE AS20708/500

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

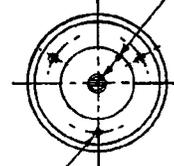
SPLINE DATA	
TEETH	13
PITCH	120
PITCH DIAMETER	.1083 \pm .0000 -.0020
OUTSIDE DIAMETER	.1247 \pm .0000 -.0005
PRESSURE ANGLE	20°
ROOT DIAMETER MAX.	.089
TOOTH FORM	FULL DEPTH INVOLUTE

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 MS-90406-2.

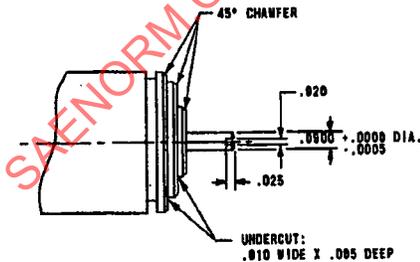
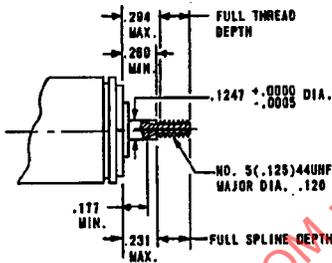
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCE ON FRACTIONS \pm 1/64
DECIMALS \pm .005 ANGLES 25°



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



2-84UNF-2B
.0625 MAX. DEPTH
3 HOLES EQUALLY SPACED
ON .678 \pm .003 DIA.



NOTES:

- PERPENDICULARITY AND CONCENTRICITY SHALL BE MEASURED WITH THE UNIT IN A VERTICAL POSITION SUPPORTED BY THE SHAFT, THEN THE HOUSING ROTATED.
- RUNOUT OF FEATURE 'A' (SMOOTH PORTION) OF SHAFT SHALL NOT EXCEED .0008 TIR.
- END PLAY AND RADIAL PLAY SHALL BE MEASURED DURING REVERSAL OF THE FOLLOWING LOADS:
END PLAY - 1/2 POUND RADIAL PLAY - 1/2 POUND
- TERMINAL LEAD WIRES SHALL DEPART THROUGH THE BACK SURFACE OF THE TERMINAL END OF THE SYNCHRO IN ANY ACCEPTABLE MANNER.
- THE FOLLOWING HARDWARE, WHEN REQUIRED, MS-17188-5 DRIVE WASHER (1 REQUIRED) AND MS-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.
- MINOR VARIATIONS OF UNIT CONFIGURATION ARE PERMITTED FOR UNDIMENSIONED DESIGN DETAIL.
- HOUSING SHALL BE OF ALUMINUM.