

Synchro, Torque Receiver, Type 26V-10TR4

FSC 5990

RATIONALE

This Revision consists of a 5 (five) year review, which provides updates to current format and references.

NOTICE

This specification is approved for use by all Departments and Agencies of the Department of Defense. The requirements for acquiring the Synchros described herein shall consist of this specification and the latest issue of SAE AS20708.

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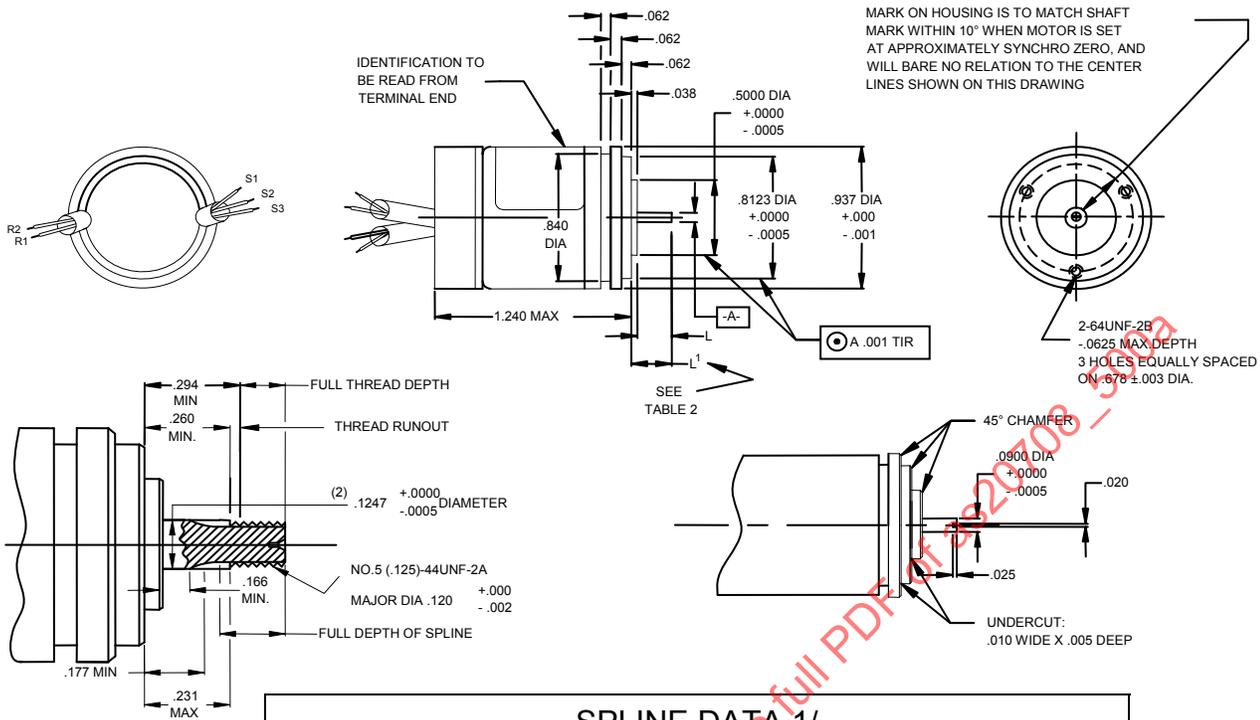
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SPLINE DATA 1/	
TEETH	13
PITCH	120
PITCH DIAMETER	0.1083 +0.0000 -0.0020
OUTSIDE DIAMETER	0.1247 +0.0000 -0.0005
PRESSURE ANGLE	20 DEGREES
ROOT DIAMETER MAX.	0.089
TOOTH FORM	FULL DEPTH INVOLUTE

1/ 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 using the Go-No Go spline ring gage MS90406.

NOTES:

1. Perpendicularity and concentricity shall be measured with the unit in a vertical position supported by the shaft. Then the housing rotated.
2. Runout of feature "A" (smooth portion) of shaft shall not exceed 0.0008 TIR.
3. End play and radial play shall be measured during the reversal of the following loads:
 End play – 0.5 (1/2) Pound Radial play – 0.5 (1/2) Pound
4. The terminal lead wires shall depart through the back surface of the terminal end of the synchro in any acceptable manner.
5. The following list of hardware, when required, MS17186-5 drive washer [1 (one) required], MS17187-1 nut [1(one) 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. For information only, see synchro clamp MS17183.
6. Minor variations of unit configuration are permitted for undimensioned design detail.
7. Housing shall be of aluminum material.
8. Unless otherwise specified, dimensions are in inches. Tolerances on decimals ± 0.005, angles ± 5 degrees.

FIGURE 1 – SYNCHRO, TORQUE RECEIVER, TYPE 26V-10TR4