

Figure 11. Standard Tape Dimensions

5.0 MAINTENANCE

5.1 Lubrication (See Figure 12)

After every 500 hours of operation, lubricate the following:

- (a) Escapement Clutch Assemblies. Lubricate both sides of each escapement clutch assembly between the friction washers and the spur gear with silicone oil, 350 centipoises.
- (b) Shaft Bearings. Lubricate shaft and idler gear bearings, using rust and oxidation inhibited oil, SAE 20 grade. If the reader is equipped with tape reeling equipment, the reel drive mechanism bearings should also be lubricated with the same oil.
- (c) Escapement Assembly. Clean, and then lubricate each escapement armature fulcrum with a light film of Tally pivot grease A. The adjacent armature pole face must be wiped clean of all lubricant.
- (d) Drive Motor. Lubricate drive motor bearings using rust and oxidation inhibited oil, SAE 20 grade.

5.2 Read Head Service

5.2.1 Trouble-Shooting Reading Errors

If erratic readings are detected, examine the contacts for dirt or pitting. If dirty, clean as outlined in Section 5.2.2. If pitted, they should be replaced and adjusted per Section 5.2.3. Check the star wheels and star wheel levers for free movement, and clean if necessary. Check switch timing and contact pressure per Section 5.2.3.

5.2.2 Cleaning Contacts

Access to the read head contacts may be gained by removing one screw on the front of the read head cover and withdrawing the cover away from the front panel. If the contacts are dirty or corroded, they should be cleaned with methyl ethyl ketone. Use a fine brush or pipe cleaner as the applicator, and dry with compressed air. Use caution not to bend the small movable contact wires with the brush or air blast.

