

Pre-printed barcode labels, which are both human- and machine-readable, are available from a number of sources including Qualstar.

All barcode labels used in Qualstar tape libraries must conform to ANSI/AIM BCI-1995, Uniform Symbology Specification Code 39. The nominal narrow element width (X value) should be between 0.010 inches (.25 mm) and 0.020 inches (.51 mm). The nominal wide-to-narrow ratio (N value) should be 3.0. There must be a minimum quiet zone at each end of the barcode. The use of higher or lower densities is not recommended, as barcode reading reliability may be affected.

By default, the library expects a modulus 43 check character at the end of each label. The use of a check character helps assure that labels are read error-free. The library configuration must be changed before using barcode labels without a check character. All of the labels within the library must match the check character configuration: either all with or all without a check character.

LTO Barcode Labels

LTO barcode labels may contain from two to eight alphanumeric characters or from two to six characters plus a media identifier symbol ("L1" or "L2"). L1 represents Ultrium 1 cartridges (100 GB) and L2 represents Ultrium 2 cartridges (200 GB). All LTO labels shall also conform to the dimensions in Figure 1 and may be left- or right-reading.

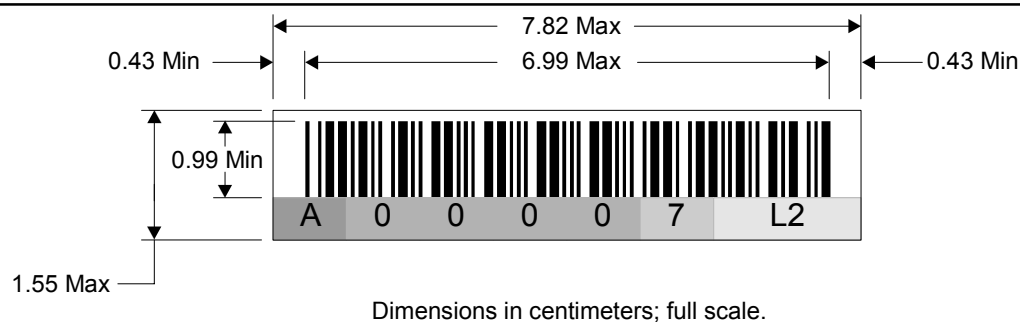
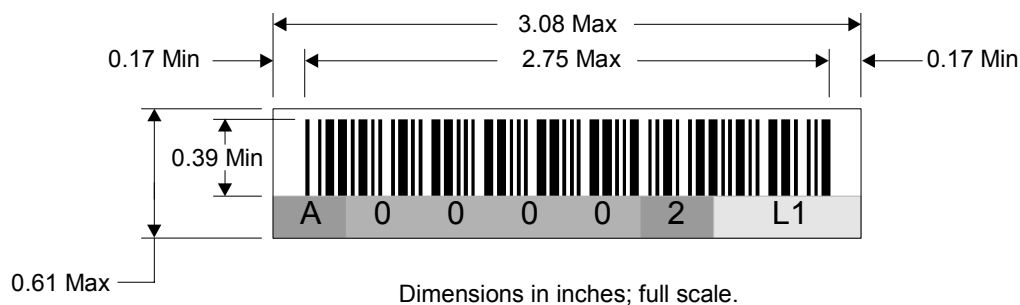


Figure 1 LTO Barcode Label Dimensions

SDLT Barcode Labels

These labels contain six characters plus a check character, may be left- or right-reading and must conform to the dimensions in Figure 2.

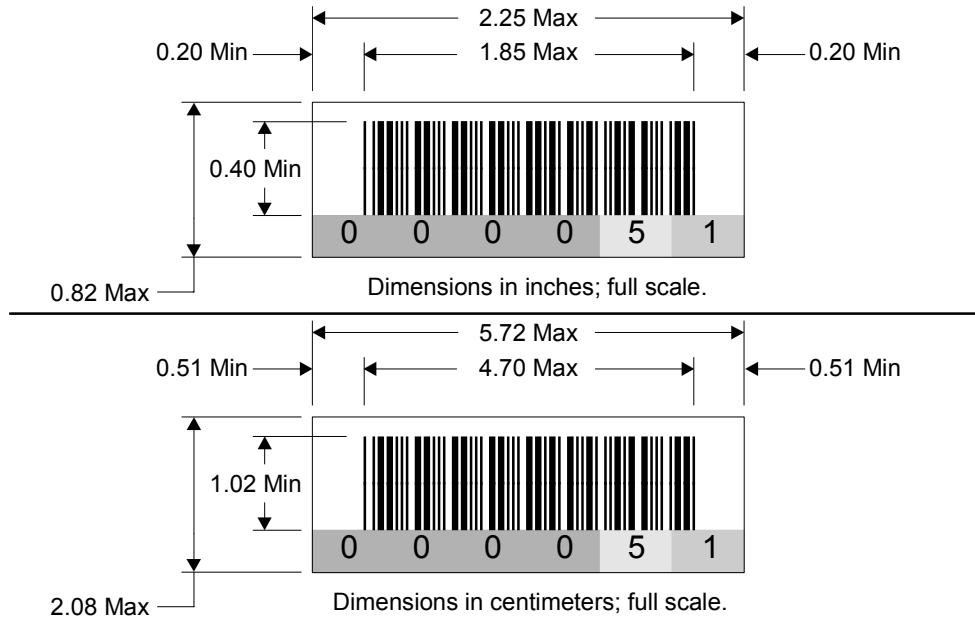


Figure 2 SDLT Barcode Label Dimensions

AIT Barcode Labels

AIT barcode labels may contain from two to six alphanumeric characters and may be left- or right-reading. The AIT label dimensions shall also conform to Figure 3.

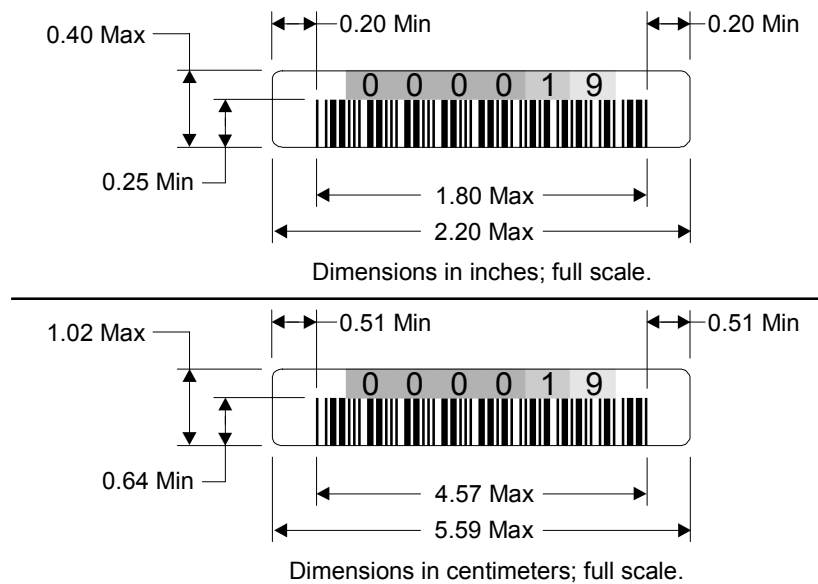


Figure 3 AIT Barcode Label Dimensions

SAIT Barcode Labels

SAIT barcode labels may contain from two to eight alphanumeric characters or from two to six characters plus a media identifier symbol ("S1"). S1 represents SAIT-1 cartridges (500 GB). All SAIT labels shall also conform to the dimensions in Figure 4 and may be left- or right-reading.

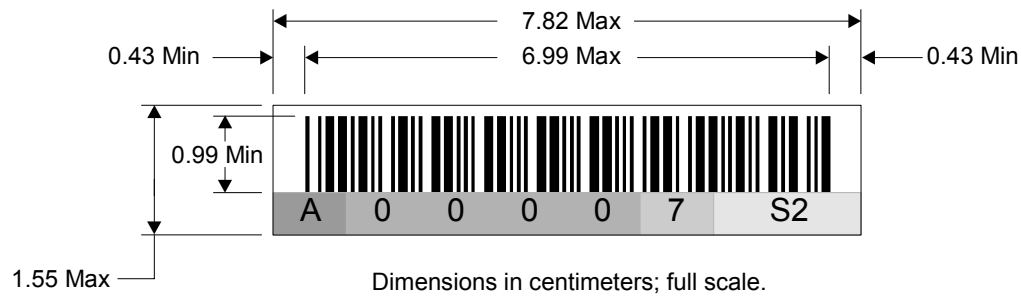
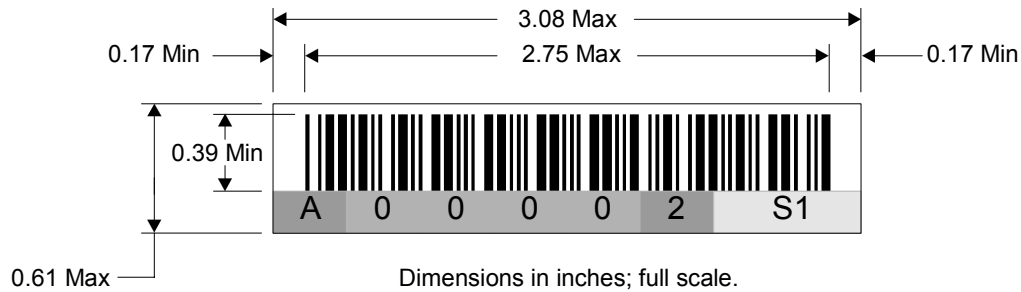


Figure 4 SAIT Barcode Label Dimensions