

# .1870 PITCH

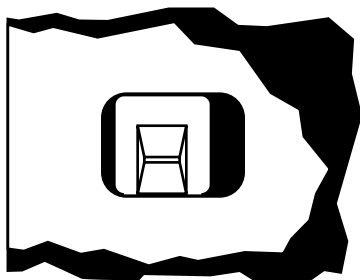
VKF™ SPROCKETS . . . “VERY KIND TO FILM”

Whether driving film, perforated lead frames or in TAB applications, protecting perforations against premature failure is often critical. Thus the form and finish of the **VKF** sprocket has been designed to reduce damage to the perforation.

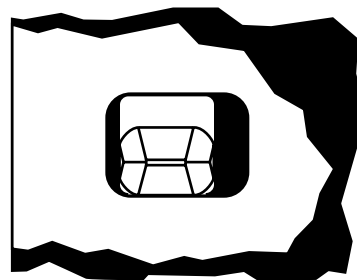
The **VKF** tooth has a maximum width across the flat driving face to minimize the stress on the perforation face. The corners of the teeth have been radiused to clear the perforation radii. This eliminates the potential for damage when lateral motion causes the perforations to slide over a relatively square standard tooth corner.

The finish of the **VKF** tooth form has been enhanced using the *Radi-Blend™* process. With this procedure, every intersecting tooth edge, both at the sides and the top, is blended and burnished to offer a polished surface. This insures a smooth engagement and disengagement of the perforated edge with the tooth surface.

Although the stock **VKF** design was originally intended for materials perforated per ANSI-SMPTE 102-1991 or 139-1986 (see following stock parts, pages 9 and 10), the process may be applied to other tooth forms. Super 16 and 35, as well as 70mm tooth shapes, have been improved using this procedure (see Posi-Trol, page 11). Contact LaVeZZi for information on variations or other similar applications.



Standard sprocket in driving position.

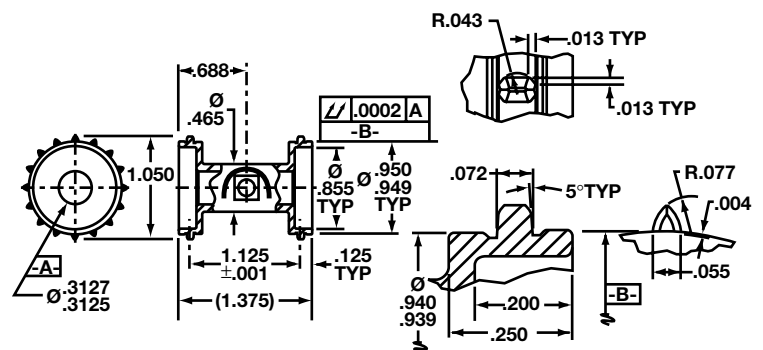


VKF sprocket in driving position.

**Part No:** 416TL31B  
**Pitch:** .1870  
**No. Teeth:** 16  
**Material:** Case Hardened 416 S/S  
**Applications:** For use where high accuracy and low inertia are important requirements.

Fastening method insures that the concentricity is maintained when clamped on a .3125/.3123 shaft.

Screw and locknut included.

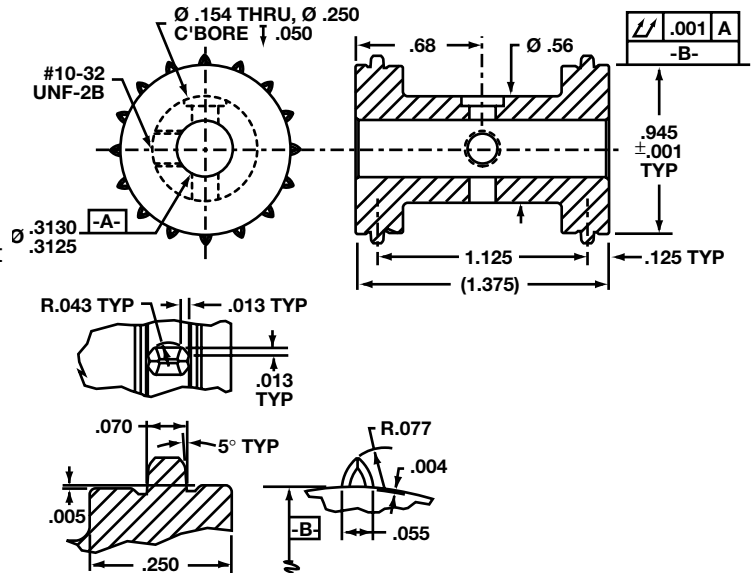


QUALITY . . . ABOVE ALL ELSE.

# .1870 PITCH

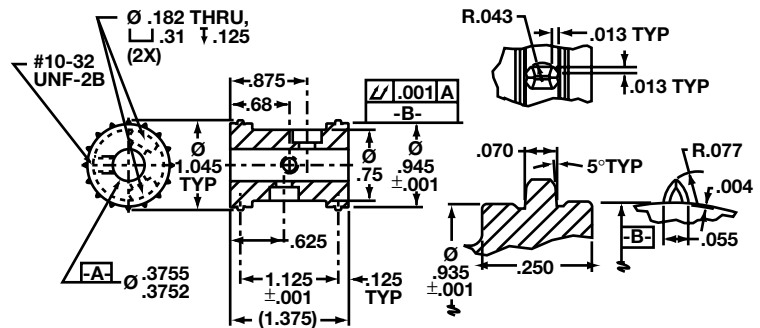
VKF™ SPROCKETS . . . “VERY KIND TO FILM”

**Part No:** 416GL31B  
**Pitch:** .1870  
**No. Teeth:** 16  
**Material:** Case Hardened 416 S/S  
**Applications:** Drive sprocket meant to be fastened to a .3125/.3120 shaft using either a set screw or a shaft tapped for a #6-32 screw.



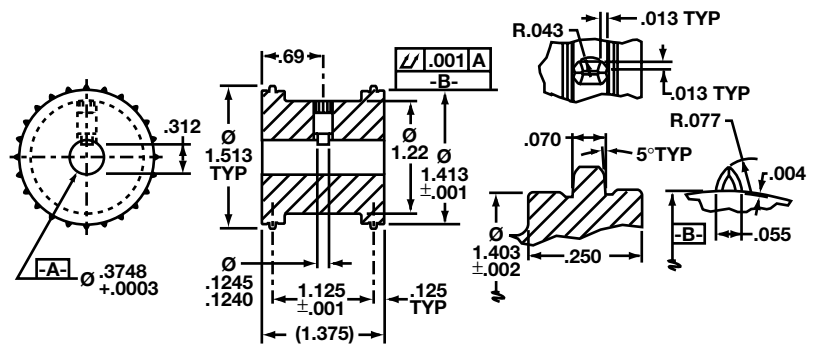
Set screw included.

**Part No:** 416GL37B  
**Pitch:** .1870  
**No. Teeth:** 16  
**Material:** Case Hardened 416 S/S  
**Applications:** Drive sprocket meant to be fastened to a .3750/.3745 shaft using either a set screw or a shaft tapped for a #8-32 screw.



Set screw included.

**Part No:** 424GL37B  
**Pitch:** .1870  
**No. Teeth:** 24  
**Material:** Case Hardened Steel  
**Applications:** May be used with materials perforated per ANSI/SMPTE 102-1296, 139-1986 or 237-1988.



This item is identical to Part No. 424CG37B shown on page 6 except the tooth form is of the VKF style.