




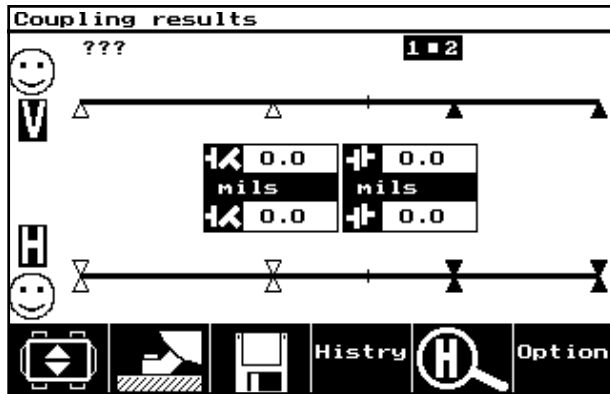
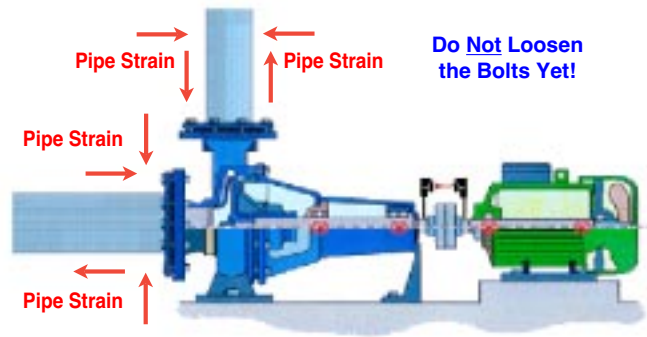



# Pipe Strain

Question: Can we check Pipe Strain with our Rotalign® Pro?

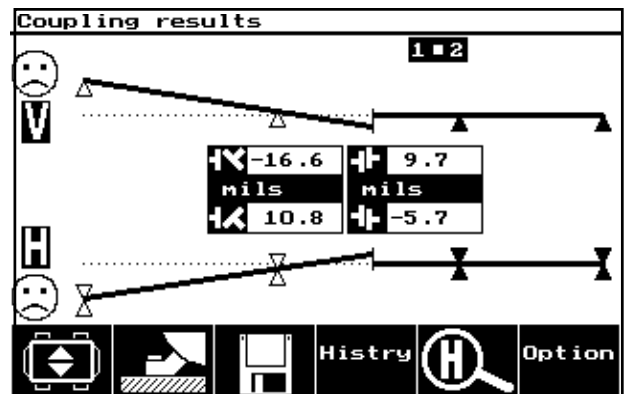
Answer: Yes, the Rotalign® Pro is great for checking Pipe Strain!

Before the suction and discharge flanges are broken - take a "null" reading with the Rotalign® Pro. That is, take a reading which will leave all zeros in the results screen. You do this by setting up the Pro as you normally would - then press  and then the  soft key but do not turn the shafts at all! Next press the  soft key after which the Pro will tell you "This measurement is questionable!" Ignore the note & press the  soft key & then press the yellow  results key and you will have an all zero "null" alignment!



Now start the "Move" mode by pressing the  soft key. Next, observe what changes occur when the suction and discharge flanges are broken. The changes you see are exactly what the pipe strain is doing to the alignment at the coupling as you are monitoring the shaft centerlines!

You might find 2 mils (.002") to be a very tight tolerance for pipe strain on some applications. Some industrial plants have relaxed that to 5 mils (.005") which might be a better starting point. As the people get where they accept the 5 mils they themselves will tighten the tolerances.



Have a Grand Day!

Norm Voelzow

**Voelzow & Company, Inc.**

P. O. Box 158 • Wingate, NC 28174  
 Phone: 704-233-9222 • Fax: 704-233-9211  
 E-Mail: voelzow@perigee.net  
 Web: <http://www.LaserAlignment.net/>

02/13/2004