



TZ MEDICAL DISTRACTION PINS

TZ MEDICAL TITANIUM DISTRACTION PINS

TZ Medical titanium distraction pins for anterior cervical fusions have a self-drilling design that allows for effortless insertion. They also have a 10% wider diameter than typical distraction pins for increased durability and complete surgical confidence.



SAFETY. PRECISION. STRENGTH.



TZ Medical distraction pins are color anodized and laser-engraved for easy visual identification of size. They are available to order in four sizes: 12mm, 14mm, 16mm and 18mm.



Product Features

- Triple Fluted design for easier insertion into bone
- Wider diameter than typical distraction pins
- Color-coded sizes for faster identification
- Made with 100% titanium
- Cost effective
- Safer and sturdier than pins-made from stainless steel
- Compatible with all current ACF systems

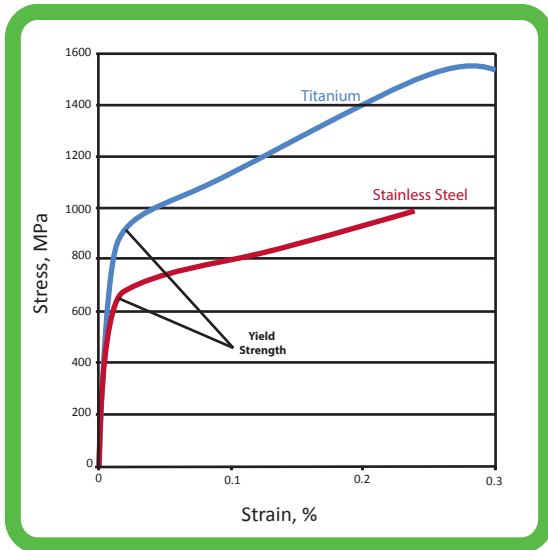
TZ Medical
Sparked by your ideas





TZ MEDICAL DISTRACTION PINS

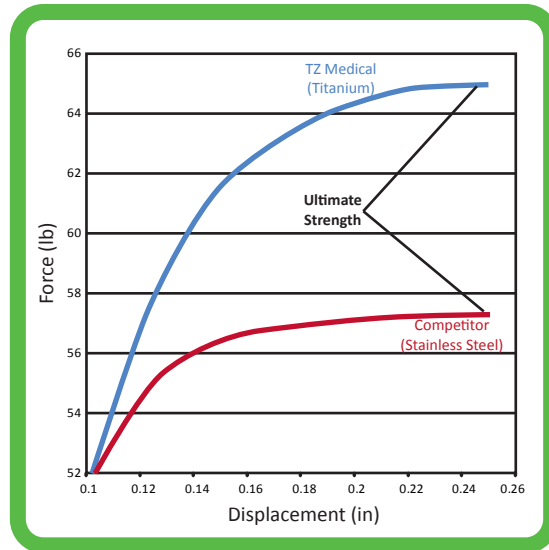
Stress Strain Curves



Stress-strain response for 316 Stainless Steel and Ti-6Al-4V Grade 5 Commercially Pure Titanium at quasi-static strain rates

*Source: G Subhash, Dynamic Indentation Testing, Mechanical Testing and Evaluation, Vol 8, ASM Handbook, ASM International, 2000, p 525

Pin Comparison Test



Average of force vs displacement curves for bending test of cantilevered pins for TZ Medical and competitor's distraction pins.

*Source: Comparison Test of TZ Medical Distraction Pin vs Competitor's Distraction Pin. 01/09

Yield Strength vs. Ultimate Strength

The Stress Strain Curves graph above shows that titanium has a higher **yield strength** than stainless steel, which means that more force can be applied before the pin bends or warps, resulting in increased *performance*.

As the Pin Comparison Test graph illustrates, titanium has a higher **ultimate strength** than stainless steel, meaning more force is required for pins to break, resulting in increased *safety*.

Titanium = Safety and Performance

TZ Medical Inc.
17750 SW Upper Boones Ferry Rd. #150
Portland, OR 97224
Office: 800.944.0187 Fax: 503.639.0239
www.tzmedical.com

TZ Medical
Sparked by your ideas

