Driving optimum performance

Smith+Nephew

ILIZAROV™
External Fixator

ILIZAROV™ Drill Tip Wires

Driving optimum performance

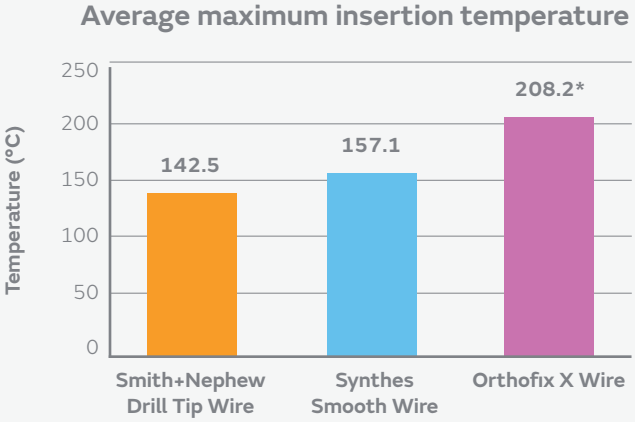
The unique helicoidal design of the Smith+Nephew ILIZAROV Drill Tip Wire demonstrated less heat generation and faster insertion times compared to competitor drill tip wires in biomechanical testing

Less heat

Heat caused by bone drilling in orthopaedic fixation can result in thermal necrosis. Biomechanical testing showed that the ILIZAROV Drill Tip Wire design generated less heat upon insertion on average than competitor drill tip wires.^[1]

^Heat upon insertion was determined by measuring the temperature of the drill tip after penetration from the far cortex of simulated cortical bone.

Smith+Nephew Drill Tip Wires generated 10 percent less heat upon insertion than Synthes Smooth Wires™ and 46 percent less heat upon insertion than Orthofix◊ X Wires (*p < 0.05).[1]

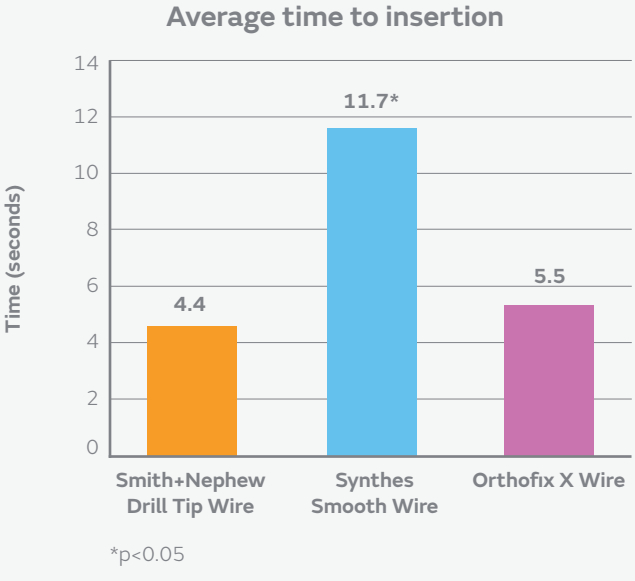


Faster

Biomechanical testing showed that the ILIZAROV Drill Tip Wire design demonstrated faster insertion times on average than competitor drill tip wires.^[1]

^Time to insertion was defined as the amount of time from drill engagement into simulated cortical bone until exit from the far cortex

Smith+Nephew Drill Tip Wires inserted 166 percent faster than Synthes Smooth Wires™ (*p < 0.05) and 25 percent faster than Orthofix◊ X Wires.[1]



Cat. No.	Description
7107-0368	Drill Tip Wire 1.8mm X 385mm
7107-0369	Drill Tip Wire With Stopper 1.8mm X 385mm

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ILIZAROV is a Trademark of MedicalPlastic srl.

References
1. Smith & Nephew 2013. Orthopaedic research report - OR-13-010.