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About the history of Nitinol Orthopedic Devices

Nitinol, a nickel-titanium alloy, is becoming more widely used in orthopedic applications due to its unique properties of shape memory and superelasticity. These properties allow for minimally invasive procedures, faster healing times, and more natural load distribution in bone and joints. Common applications include bone staples, intramedullary nails, and fracture fixation devices.