

# Rocket™ Threaded Reducer

Efficient design to help  
overcome intra-operative  
challenges



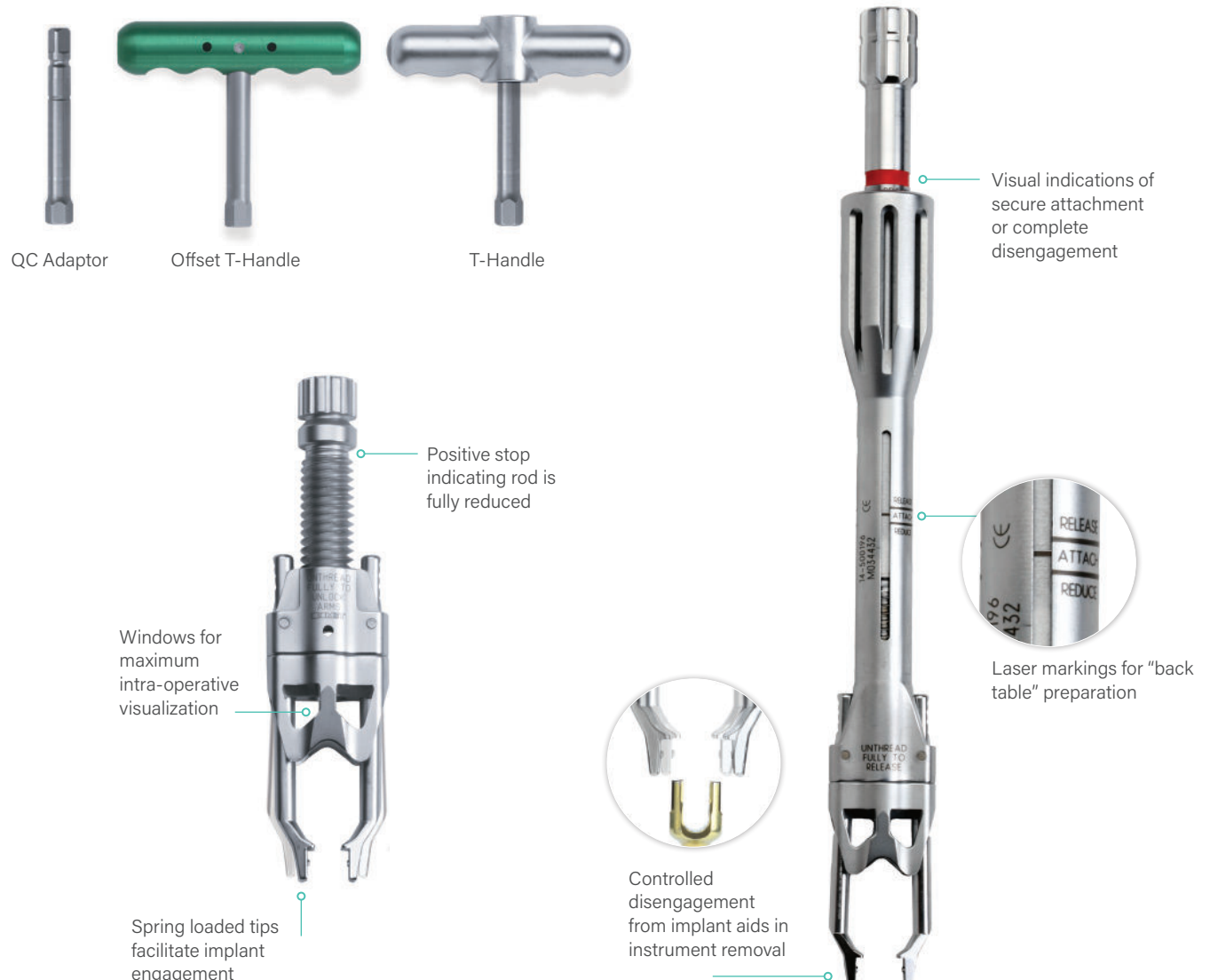
# Unique Instrumentation

The Rocket™ Threaded Reducers have been designed to facilitate rod reduction in a myriad of spinal procedures. Rocket™ Instruments have the unique ability to guide the rod into position while reducing it into the screw.

## Highlights of the Short and Long Rocket Threaded Reducers:

- Spring loaded tips provide tactile and secure engagement
- Infinite adjustability range for controlled and sequential reduction
- Self-centering reduction design
- Cannulated body for plug insertion and tightening

## Multiple Handle Options



# Degenerative Case Study

**Summary:** The patient presented with over five years of back and leg pain with weakness in the right L5 distribution. After failure of conservative treatments, she opted for a surgical intervention.

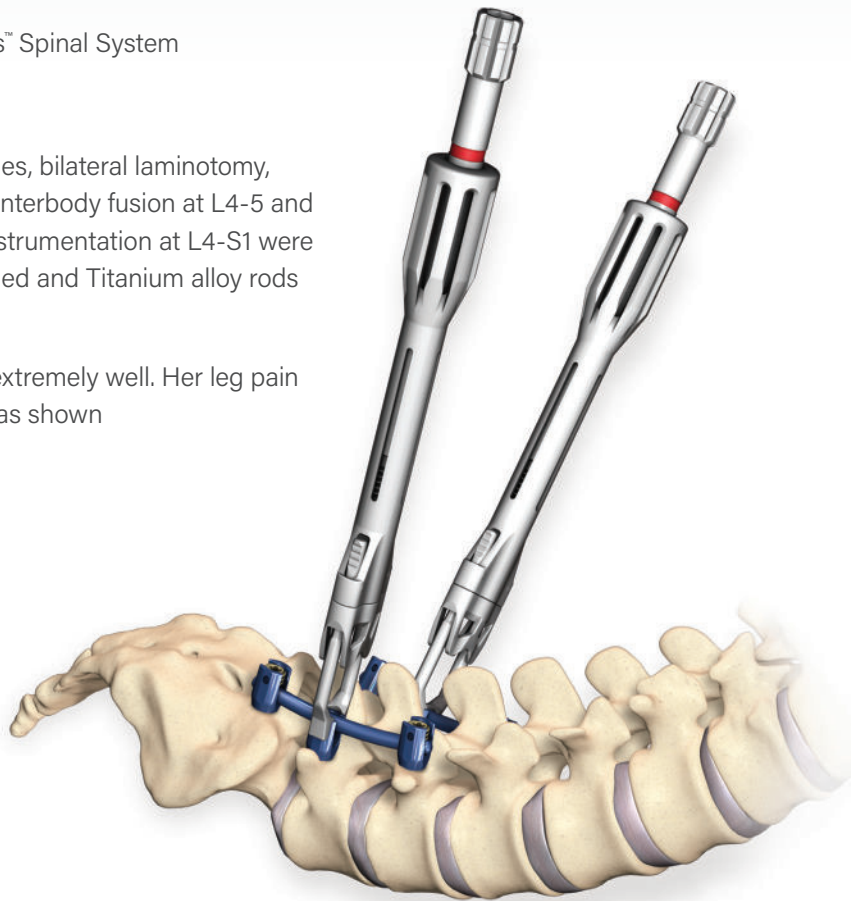
**Pathology:** Grade II spondylolisthesis at L5-S1, lumbar stenosis and degenerative disc disease

**Procedure:** TLIF and PSF utilizing the Polaris™ Spinal System

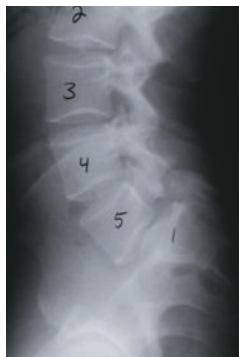
**Instrumented Levels:** L4-S1

**Surgical Procedure:** L4 and L5 laminectomies, bilateral laminotomy, foraminotomies at L4-5 and L5-S1, posterior interbody fusion at L4-5 and L5-S1, and bilateral Polaris™ Pedicle Screw instrumentation at L4-S1 were performed. Controlled reduction was performed and Titanium alloy rods were utilized to stabilize the construct.

**Post-Operative Results:** Patient has done extremely well. Her leg pain and weakness have been resolved and she has shown vast improvement in her low back pain.



P-A



Lateral

**Pre-Operative X-ray**



P-A



Lateral

**Post-Operative X-ray**

# Deformity Case Study

**Summary:** The patient presented with progressive scoliosis. After the failure of conservative treatment, she opted for surgical intervention.

**Pathology:** Idiopathic Scoliosis (T5-T12), Lenke I BN

Cobb Measurements		
	Pre-Operative	Post-Operative
T1-T5	38°	14°
T5-T12	59°	13°
T12-L5	32°	18°

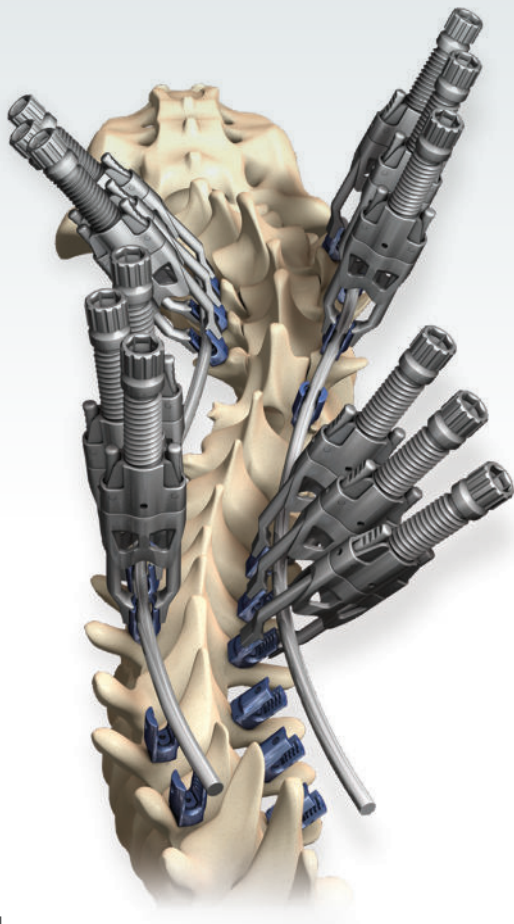
**Instrumented Levels:** T4-L1

**Surgical Procedure:** Ponte osteotomies were performed at the apex of the thoracic curve (T7-11), bilateral Polaris pedicle screw cluster instrumentation was utilized (T4-L1) with a Cross Connector to add torsional stability. Controlled rod reduction and 3-D vertebral body rotation were performed.

**Implant Selection:** Uniplanar Screws, High Strength Grade Cobalt Chrome Rods and a Cross Connector.

**Osteobiologics Selection:** Pro Osteon® 500R and Demineralized Cortical powder.

12-Week Follow Up: No changes.

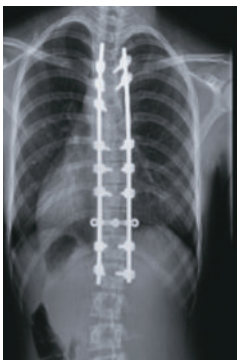


P-A



Lateral

**Pre-Operative X-ray**



P-A



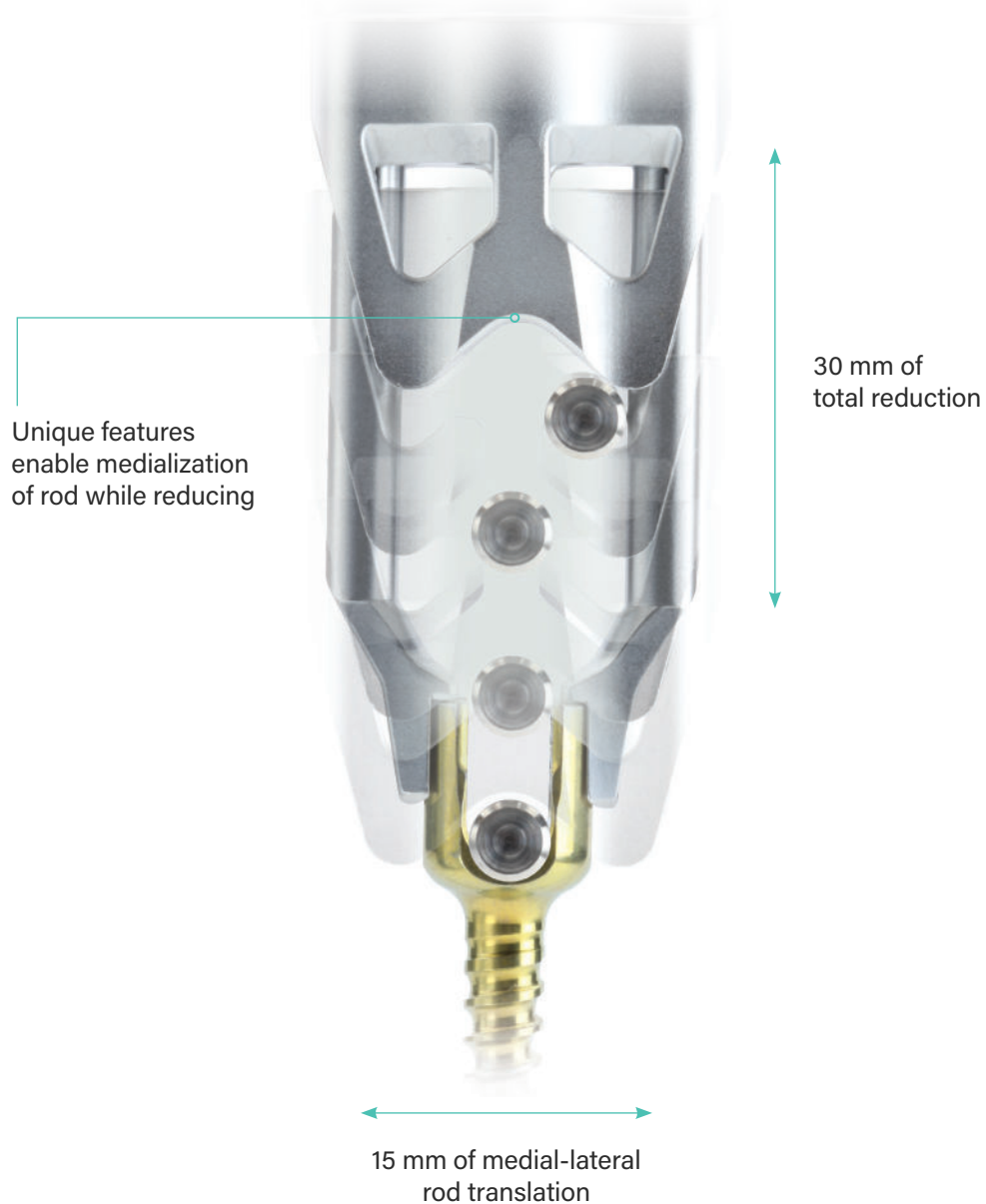
Lateral

**Post-Operative X-ray**

# Efficient Design

The Rocket Threaded Reducer provides simultaneous rod translation and reduction. Its unique features guide a rod into proper screw head position.

- Rod capture window allows straightforward screw engagement while accommodating significant medial or lateral rod offset
- Tactile and secure engagement
- Controlled sequential reduction
- Self-centering rod features



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