



No.1 & GROWING  
**NARANG MEDICAL LIMITED**  
ISO 9001:2000, ISO 13485:2003, CE & WHO-GMP Compliance

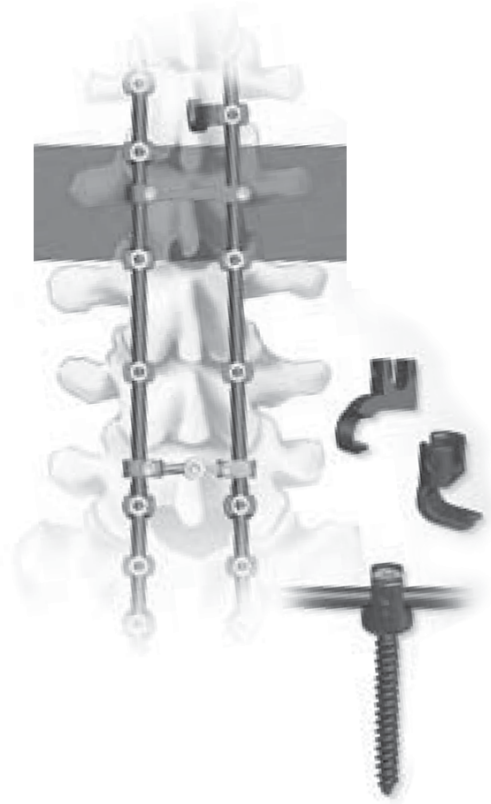
☐ SPINE



[www.ortho.in](http://www.ortho.in)



### POSTERIOR THORACOLUMBER SPINE SYSTEM



12  
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#### FEATURES :

It represents a further development of the expands on earlier concepts by providing the surgeon with various technique options, including rod rotation, translation, segmental correction, in-situ rod contouring or combinations of these methods. To restore as completely as possible the balance of the spine in all three anatomical planes.



- All screws and hooks are top opening, top tightening.
- Low profile, anatomically designed implants.
- Adaptable to various surgical techniques.
- Designed to correct scoliosis by global derotation or segmental translation.



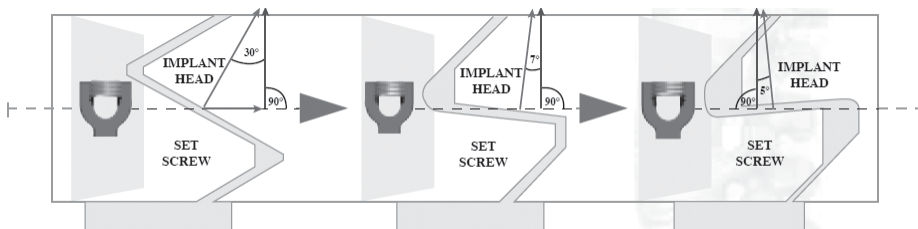
## PEDICLE SCREWS

- Cancellous threads engage the vertebral body
- Cortex threads engage the pedicle
- Self-tapping tip



- 36 Degrees Of Conical Angulation For MAS In Any Direction
- With Any Screw Diameter
- Greater flexibility in screw/rod placement
- Minimizes screw head convergence

- A reverse-angle set screw designed to thread easier, hold stronger, and reduce the implant even farther.



## HOOKS

- Multiple hook profiles for use around the lamina, pedicle or transverse process



- Low profile design reduce the implant and minimizes soft tissue interference



- Top-opening and tightening-- Top-loading for easy rod introduction.



## LOW PROFILE CROSSLINK

- Used as construct stabilizer to reduce rotation
- Preassembled for ease of placement
- Six fixed lengths and three adjustable lengths





STANDARD SINGLE AXIAL SCREW  
TITANIUM

| Code     | Size (MM) |
|----------|-----------|
| Ti-10001 | - 4.5∅35  |
| Ti-10003 | - 4.5∅40  |
| Ti-10005 | - 5.0∅35  |
| Ti-10007 | - 5.0∅40  |
| Ti-10009 | - 5.5∅35  |
| Ti-10011 | - 5.5∅40  |
| Ti-10013 | - 5.5∅45  |
| Ti-10015 | - 5.5∅50  |
| Ti-10017 | - 5.5∅55  |
| Ti-10019 | - 6.0∅35  |
| Ti-10021 | - 6.0∅40  |
| Ti-10023 | - 6.0∅45  |
| Ti-10025 | - 6.0∅50  |
| Ti-10027 | - 6.5∅35  |
| Ti-10029 | - 6.5∅40  |
| Ti-10031 | - 6.5∅45  |
| Ti-10033 | - 6.5∅50  |
| Ti-10035 | - 6.5∅55  |
| Ti-10037 | - 7.0∅35  |
| Ti-10039 | - 7.0∅40  |
| Ti-10041 | - 7.0∅45  |
| Ti-10043 | - 7.0∅50  |
| Ti-10045 | - 7.0∅55  |
| Ti-10047 | - 7.5∅35  |
| Ti-10049 | - 7.5∅40  |
| Ti-10051 | - 7.5∅45  |
| Ti-10053 | - 7.5∅50  |
| Ti-10055 | - 7.5∅55  |



REDUCTION SINGLE AXIAL SCREW  
TITANIUM



| Code     | Size (MM)              |
|----------|------------------------|
| Ti-10065 | - 4.5 $\varnothing$ 35 |
| Ti-10067 | - 4.5 $\varnothing$ 40 |
| Ti-10069 | - 5.0 $\varnothing$ 35 |
| Ti-10071 | - 5.0 $\varnothing$ 40 |
| Ti-10073 | - 5.0 $\varnothing$ 45 |
| Ti-10075 | - 5.5 $\varnothing$ 35 |
| Ti-10077 | - 5.5 $\varnothing$ 40 |
| Ti-10079 | - 5.5 $\varnothing$ 45 |
| Ti-10081 | - 5.5 $\varnothing$ 50 |
| Ti-10083 | - 6.0 $\varnothing$ 35 |
| Ti-10085 | - 6.0 $\varnothing$ 40 |
| Ti-10087 | - 6.0 $\varnothing$ 45 |
| Ti-10089 | - 6.0 $\varnothing$ 50 |
| Ti-10091 | - 6.0 $\varnothing$ 55 |
| Ti-10093 | - 6.5 $\varnothing$ 35 |
| Ti-10095 | - 6.5 $\varnothing$ 40 |
| Ti-10097 | - 6.5 $\varnothing$ 45 |
| Ti-10099 | - 6.5 $\varnothing$ 50 |
| Ti-10101 | - 6.5 $\varnothing$ 55 |
| Ti-10103 | - 6.5 $\varnothing$ 60 |
| Ti-10105 | - 7.0 $\varnothing$ 35 |
| Ti-10107 | - 7.0 $\varnothing$ 40 |
| Ti-10109 | - 7.0 $\varnothing$ 45 |
| Ti-10111 | - 7.0 $\varnothing$ 50 |
| Ti-10113 | - 7.0 $\varnothing$ 55 |
| Ti-10115 | - 7.5 $\varnothing$ 35 |
| Ti-10117 | - 7.5 $\varnothing$ 40 |
| Ti-10119 | - 7.5 $\varnothing$ 45 |
| Ti-10121 | - 7.5 $\varnothing$ 50 |
| Ti-10123 | - 7.5 $\varnothing$ 55 |





STANDARD MULTI AXIAL SCREW  
TITANIUM

| Code     | Size (MM) |
|----------|-----------|
| Ti-10149 | - 4.5∅35  |
| Ti-10151 | - 4.5∅40  |
| Ti-10153 | - 5.0∅35  |
| Ti-10155 | - 5.0∅40  |
| Ti-10157 | - 5.5∅35  |
| Ti-10159 | - 5.5∅40  |
| Ti-10161 | - 5.5∅45  |
| Ti-10163 | - 5.5∅50  |
| Ti-10165 | - 5.5∅55  |
| Ti-10167 | - 6.0∅35  |
| Ti-10169 | - 6.0∅40  |
| Ti-10171 | - 6.0∅45  |
| Ti-10173 | - 6.0∅50  |
| Ti-10175 | - 6.5∅35  |
| Ti-10177 | - 6.5∅40  |
| Ti-10179 | - 6.5∅45  |
| Ti-10181 | - 6.5∅50  |
| Ti-10183 | - 6.5∅55  |
| Ti-10185 | - 7.0∅35  |
| Ti-10187 | - 7.0∅40  |
| Ti-10189 | - 7.0∅45  |
| Ti-10191 | - 7.0∅50  |
| Ti-10193 | - 7.0∅55  |
| Ti-10195 | - 7.5∅35  |
| Ti-10197 | - 7.5∅40  |
| Ti-10199 | - 7.5∅45  |
| Ti-10201 | - 7.5∅50  |
| Ti-10203 | - 7.5∅55  |



REDUCTION MULTI AXIAL SCREW  
TITANIUM

| Code     | Size (MM)              |
|----------|------------------------|
| Ti-10235 | - 4.5 $\varnothing$ 35 |
| Ti-10237 | - 4.5 $\varnothing$ 40 |
| Ti-10239 | - 5.0 $\varnothing$ 35 |
| Ti-10241 | - 5.0 $\varnothing$ 40 |
| Ti-10243 | - 5.0 $\varnothing$ 45 |
| Ti-10245 | - 5.5 $\varnothing$ 35 |
| Ti-10247 | - 5.5 $\varnothing$ 40 |
| Ti-10249 | - 5.5 $\varnothing$ 45 |
| Ti-10251 | - 5.5 $\varnothing$ 50 |
| Ti-10253 | - 6.0 $\varnothing$ 35 |
| Ti-10255 | - 6.0 $\varnothing$ 40 |
| Ti-10257 | - 6.0 $\varnothing$ 45 |
| Ti-10259 | - 6.0 $\varnothing$ 50 |
| Ti-10261 | - 6.0 $\varnothing$ 55 |
| Ti-10263 | - 6.5 $\varnothing$ 35 |
| Ti-10265 | - 6.5 $\varnothing$ 40 |
| Ti-10267 | - 6.5 $\varnothing$ 45 |
| Ti-10269 | - 6.5 $\varnothing$ 50 |
| Ti-10271 | - 6.5 $\varnothing$ 55 |
| Ti-10273 | - 6.5 $\varnothing$ 60 |
| Ti-10275 | - 7.0 $\varnothing$ 35 |
| Ti-10277 | - 7.0 $\varnothing$ 40 |
| Ti-10279 | - 7.0 $\varnothing$ 45 |
| Ti-10281 | - 7.0 $\varnothing$ 50 |
| Ti-10283 | - 7.0 $\varnothing$ 55 |
| Ti-10285 | - 7.5 $\varnothing$ 35 |
| Ti-10287 | - 7.5 $\varnothing$ 40 |
| Ti-10289 | - 7.5 $\varnothing$ 45 |
| Ti-10291 | - 7.5 $\varnothing$ 50 |
| Ti-10293 | - 7.5 $\varnothing$ 55 |





PEDICLE HOOK  
TITANIUM

| Code     | Size |
|----------|------|
| Ti-10299 | L    |
| Ti-10301 | M    |
| Ti-10303 | S    |



| Code     | Size |
|----------|------|
| Ti-10313 | L    |
| Ti-10315 | M    |
| Ti-10317 | S    |



| Code     | Size |
|----------|------|
| Ti-10327 | L    |
| Ti-10329 | M    |
| Ti-10331 | S    |



LEFT OFFSET HOOK  
TITANIUM

| Code     | Size |
|----------|------|
| Ti-10341 | L    |
| Ti-10343 | M    |
| Ti-10345 | S    |



RIGHT OFFSET HOOK  
TITANIUM

| Code     | Size |
|----------|------|
| Ti-10355 | L    |
| Ti-10357 | M    |
| Ti-10359 | S    |



CROSSLINK  
TITANIUM

| Code     | Size mm |
|----------|---------|
| Ti-10375 | L - 22  |
| Ti-10377 | L - 24  |
| Ti-10379 | L - 26  |
| Ti-10381 | L - 28  |
| Ti-10383 | L - 30  |
| Ti-10385 | L - 32  |



MULTI-AXIAL CROSSLINK  
TITANIUM

| Code     | Size mm   |
|----------|-----------|
| Ti-10395 | L - 32~40 |
| Ti-10397 | L - 42~48 |
| Ti-10399 | L - 50~65 |



ROD  
TITANIUM

| Code     | Size mm |
|----------|---------|
| Ti-10425 | L - 50  |
| Ti-10427 | L - 60  |
| Ti-10429 | L - 70  |
| Ti-10431 | L - 80  |
| Ti-10433 | L - 90  |
| Ti-10435 | L - 100 |
| Ti-10437 | L - 110 |
| Ti-10439 | L - 120 |
| Ti-10441 | L - 130 |
| Ti-10443 | L - 140 |
| Ti-10445 | L - 150 |
| Ti-10447 | L - 200 |
| Ti-10449 | L - 250 |



SET SCREW  
TITANIUM

| Code     |
|----------|
| Ti-10409 |





□ INSTRUMENTS



**Quick Connect Handle**  
Code No.: 1500



**Quick Connect T-handle**  
Code No.: 1503



**Tap, ø5.5**  
Code No.: 1506



**Tap, ø6.5**  
Code No.: 1509



**Awl**  
Code No.: 1512



**Probe**  
Code No.: 1515



**Straight Pedicle Finder**  
Code No.: 1518



**Pedicle Marker, Cylindrical**  
Code No.: 1521



**Pedicle Marker, Sphere**  
Code No.: 1524

## □ INSTRUMENTS



**Pedicle Marker Inserter**  
Code No.: 1527



**Plug Starter**  
Code No.: 1530



**Rod Template**  
Code No.: 1533



**Rod Holder**  
Code No.: 1536



**Rod Pusher**  
Code No.: 1539



**Parallel Distractor**  
Code No.: 1542



**Parallel Compressor**  
Code No.: 1545



**Rod Bender**  
Code No.: 1548



**Power Grip**  
Code No.: 1551





□ INSTRUMENTS



**Crosslink Set - Screwdriver**  
Code No.: 1554



**Wrench, SW 5.5**  
Code No.: 1557



**Reduction Multi Axial Screwdriver**  
Code No.: 1560



**Multi Axial Screwdriver**  
Code No.: 1563



**Reduction Single Axial Screwdriver**  
Code No.: 1566



**Single Axial Screwdriver**  
Code No.: 1569



**Rod Reducer**  
Code No.: 1572



**Ring Counter Torque**  
Code No.: 1575



**Implant Holder**  
Code No.: 1578



## □ INSTRUMENTS



**Hex Rod Rotation  
Wrench**  
Code No.: 1581



**Hook Pusher**  
Code No.: 1584



**Pedicule Elevators**  
Code No.: 1587



**Laminar Elevator**  
Code No.: 1590



**Reduction Screw Tab Breaker**  
Code No.: 1593



**Pedicule Finder**  
Code No.: 1596

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NET SPINAL SYSTEM II came about in response to surgeon need for a reliable, yet time saving, and user-friendly Construct. The NET SPINE SYSTEM - II implants and instruments eliminate the fiddle-factor of rod bending, while allowing multi-directional angular correction, rotation, posterior distraction and compression.



### FEATURES

- Particular construction and precise design help ensure solid bone purchase combined with excellent mechanical strength.
- Top loading, top Tightening implants
- Long-armed heads for reduction of spondylolisthesis and to facilitate rod placement.
- Poly-axial head for easier rod screw alignment .
- A highly performant polyaxial system with its extensive array, the NET SPINE SYSTEM - II can be used in the majority of spinal disorders.
- Titanium implants providing excellent mechanical strength and biocompatibility.
- Allows for decreased inventory requirements.



REDUCTION SINGLE AXIAL SCREW  
TITANIUM



| Code     | Size            |
|----------|-----------------|
| Ti-10469 | 4.5 $\times$ 35 |
| Ti-10471 | 4.5 $\times$ 40 |
| Ti-10473 | 5.0 $\times$ 35 |
| Ti-10475 | 5.0 $\times$ 40 |
| Ti-10477 | 5.0 $\times$ 45 |
| Ti-10479 | 5.0 $\times$ 50 |
| Ti-10481 | 5.0 $\times$ 55 |
| Ti-10483 | 5.5 $\times$ 35 |
| Ti-10485 | 5.5 $\times$ 40 |
| Ti-10487 | 5.5 $\times$ 45 |
| Ti-10489 | 5.5 $\times$ 50 |
| Ti-10491 | 5.5 $\times$ 55 |
| Ti-10493 | 6.0 $\times$ 35 |
| Ti-10495 | 6.0 $\times$ 40 |
| Ti-10497 | 6.0 $\times$ 45 |
| Ti-10499 | 6.0 $\times$ 50 |
| Ti-10501 | 6.0 $\times$ 55 |
| Ti-10503 | 6.0 $\times$ 60 |
| Ti-10505 | 6.5 $\times$ 35 |
| Ti-10507 | 6.5 $\times$ 40 |
| Ti-10509 | 6.5 $\times$ 45 |
| Ti-10511 | 6.5 $\times$ 50 |
| Ti-10513 | 6.5 $\times$ 55 |
| Ti-10515 | 6.5 $\times$ 60 |
| Ti-10517 | 6.5 $\times$ 65 |
| Ti-10519 | 7.0 $\times$ 35 |
| Ti-10521 | 7.0 $\times$ 40 |
| Ti-10523 | 7.0 $\times$ 45 |

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SET SCREW  
TITANIUM

| Pin      | Size |
|----------|------|
| Ti-10530 | M10  |





REDUCTION MULTI AXIAL SCREW  
TITANIUM

| Code     | Size                 |
|----------|----------------------|
| Ti-10535 | 4.5 $\varnothing$ 35 |
| Ti-10537 | 4.5 $\varnothing$ 40 |
| Ti-10539 | 5.0 $\varnothing$ 35 |
| Ti-10541 | 5.0 $\varnothing$ 40 |
| Ti-10543 | 5.0 $\varnothing$ 45 |
| Ti-10545 | 5.0 $\varnothing$ 50 |
| Ti-10547 | 5.0 $\varnothing$ 55 |
| Ti-10549 | 5.5 $\varnothing$ 35 |
| Ti-10551 | 5.5 $\varnothing$ 40 |
| Ti-10553 | 5.5 $\varnothing$ 45 |
| Ti-10555 | 5.5 $\varnothing$ 50 |
| Ti-10557 | 5.5 $\varnothing$ 55 |
| Ti-10559 | 6.0 $\varnothing$ 35 |
| Ti-10561 | 6.0 $\varnothing$ 40 |
| Ti-10563 | 6.0 $\varnothing$ 45 |
| Ti-10565 | 6.0 $\varnothing$ 50 |
| Ti-10567 | 6.0 $\varnothing$ 55 |
| Ti-10569 | 6.0 $\varnothing$ 60 |
| Ti-10571 | 6.5 $\varnothing$ 35 |
| Ti-10573 | 6.5 $\varnothing$ 40 |
| Ti-10575 | 6.5 $\varnothing$ 45 |
| Ti-10577 | 6.5 $\varnothing$ 50 |
| Ti-10579 | 6.5 $\varnothing$ 55 |
| Ti-10581 | 6.5 $\varnothing$ 60 |
| Ti-10583 | 6.5 $\varnothing$ 65 |
| Ti-10585 | 7.0 $\varnothing$ 35 |
| Ti-10587 | 7.0 $\varnothing$ 40 |
| Ti-10589 | 7.0 $\varnothing$ 45 |

CROSS LINK  
TITANIUM

| Code     | Size mm |
|----------|---------|
| Ti-10601 | L - 50  |
| Ti-10603 | L - 55  |
| Ti-10605 | L - 60  |
| Ti-10607 | L - 65  |
| Ti-10609 | L - 70  |
| Ti-10611 | L - 75  |
| Ti-10613 | L - 80  |
| Ti-10615 | L - 85  |



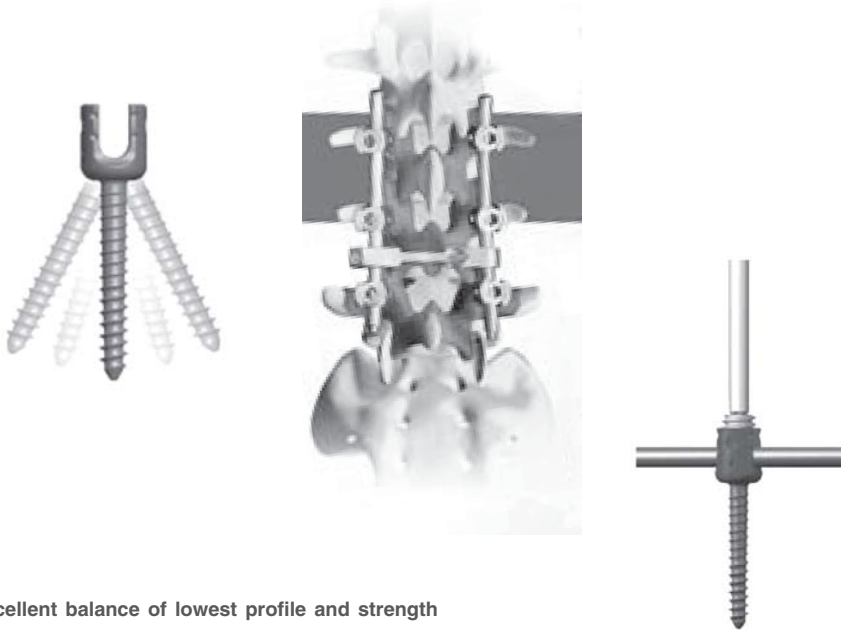


ROD Ø6.0  
TITANIUM

| Code     | Size mm |
|----------|---------|
| Ti-10631 | L - 50  |
| Ti-10633 | L - 60  |
| Ti-10635 | L - 65  |
| Ti-10637 | L - 70  |
| Ti-10639 | L - 75  |
| Ti-10641 | L - 80  |
| Ti-10643 | L - 90  |
| Ti-10645 | L - 100 |
| Ti-10647 | L - 110 |
| Ti-10649 | L - 115 |
| Ti-10651 | L - 120 |
| Ti-10653 | L - 125 |
| Ti-10655 | L - 130 |
| Ti-10657 | L - 140 |
| Ti-10659 | L - 150 |
| Ti-10661 | L - 160 |
| Ti-10663 | L - 170 |
| Ti-10665 | L - 180 |
| Ti-10667 | L - 200 |
| Ti-10669 | L - 210 |
| Ti-10671 | L - 220 |
| Ti-10673 | L - 240 |
| Ti-10675 | L - 250 |
| Ti-10677 | L - 260 |
| Ti-10679 | L - 280 |
| Ti-10681 | L - 300 |
| Ti-10683 | L - 350 |
| Ti-10685 | L - 400 |



NET SPINE SYSTEM III provides the opportunity of effectively immobilizing the spine along with a reasonable degree of correction and at the same time allowing the most important part of the operation to be carried out, namely a very effective, meticulous spinal fusion with ample autogenous bone.



### Excellent balance of lowest profile and strength

- Better fit for use in smaller patients
- Greater area for maximum bone graft placement
- Enables Crosslink Plate placement
- Minimal interference with anatomy allowing complete angulation

### Single closure mechanism

- Less procedure and less OR time
- Facilitate distraction and compression

### Established Buttress thread design

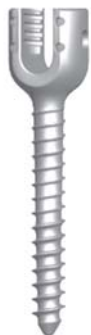
- Strength
- Minimizes head splay
- Minimizes implant volume

### 36 degrees of conical angulation for MAS in any direction with any screw diameter

- Greater flexibility in screw/rod placement
- Minimizes screw head convergence



STANDARD SINGLE AXIAL SCREW  
TITANIUM



| Code     | Size          |
|----------|---------------|
| Ti-10701 | 5.0 $\phi$ 40 |
| Ti-10703 | 5.0 $\phi$ 45 |
| Ti-10705 | 5.5 $\phi$ 35 |
| Ti-10707 | 5.5 $\phi$ 40 |
| Ti-10709 | 5.5 $\phi$ 45 |
| Ti-10711 | 5.5 $\phi$ 50 |
| Ti-10713 | 6.0 $\phi$ 35 |
| Ti-10715 | 6.0 $\phi$ 40 |
| Ti-10717 | 6.0 $\phi$ 45 |
| Ti-10719 | 6.0 $\phi$ 50 |
| Ti-10721 | 6.5 $\phi$ 35 |
| Ti-10723 | 6.5 $\phi$ 40 |
| Ti-10725 | 6.5 $\phi$ 45 |
| Ti-10727 | 6.5 $\phi$ 50 |
| Ti-10729 | 6.5 $\phi$ 55 |
| Ti-10731 | 7.0 $\phi$ 35 |
| Ti-10733 | 7.0 $\phi$ 40 |
| Ti-10735 | 7.0 $\phi$ 45 |
| Ti-10737 | 7.0 $\phi$ 50 |
| Ti-10739 | 7.0 $\phi$ 55 |

SET SCREW  
TITANIUM

| Code     | Size |
|----------|------|
| Ti-10751 | M10  |





REDUCTION SINGLE AXIAL SCREW  
TITANIUM

| Code     | Size                 |
|----------|----------------------|
| Ti-10755 | 5.0 $\varnothing$ 35 |
| Ti-10757 | 5.0 $\varnothing$ 40 |
| Ti-10759 | 5.0 $\varnothing$ 45 |
| Ti-10761 | 5.5 $\varnothing$ 35 |
| Ti-10763 | 5.5 $\varnothing$ 40 |
| Ti-10765 | 5.5 $\varnothing$ 45 |
| Ti-10767 | 5.5 $\varnothing$ 50 |
| Ti-10769 | 5.5 $\varnothing$ 55 |
| Ti-10771 | 6.0 $\varnothing$ 35 |
| Ti-10773 | 6.0 $\varnothing$ 40 |
| Ti-10775 | 6.0 $\varnothing$ 45 |
| Ti-10777 | 6.0 $\varnothing$ 50 |
| Ti-10779 | 6.5 $\varnothing$ 35 |
| Ti-10781 | 6.5 $\varnothing$ 40 |
| Ti-10783 | 6.5 $\varnothing$ 45 |
| Ti-10785 | 6.5 $\varnothing$ 50 |
| Ti-10787 | 6.5 $\varnothing$ 55 |
| Ti-10789 | 7.0 $\varnothing$ 35 |
| Ti-10791 | 7.0 $\varnothing$ 40 |
| Ti-10793 | 7.0 $\varnothing$ 45 |
| Ti-10795 | 7.0 $\varnothing$ 55 |



CROSSLINK  
TITANIUM

| Code     | Size   |
|----------|--------|
| Ti-10811 | L - 34 |
| Ti-10813 | L - 36 |
| Ti-10815 | L - 38 |
| Ti-10817 | L - 40 |



STANDARD MULTI AXIAL SCREW  
TITANIUM



| Code     | Size                 |
|----------|----------------------|
| Ti-10831 | 5.0 $\varnothing$ 40 |
| Ti-10833 | 5.0 $\varnothing$ 45 |
| Ti-10835 | 5.5 $\varnothing$ 40 |
| Ti-10837 | 5.5 $\varnothing$ 45 |
| Ti-10839 | 5.5 $\varnothing$ 50 |
| Ti-10841 | 6.0 $\varnothing$ 35 |
| Ti-10843 | 6.0 $\varnothing$ 40 |
| Ti-10845 | 6.0 $\varnothing$ 45 |
| Ti-10847 | 6.0 $\varnothing$ 50 |
| Ti-10849 | 6.5 $\varnothing$ 35 |
| Ti-10851 | 6.5 $\varnothing$ 40 |
| Ti-10853 | 6.5 $\varnothing$ 45 |
| Ti-10855 | 6.5 $\varnothing$ 50 |
| Ti-10857 | 6.5 $\varnothing$ 55 |
| Ti-10859 | 7.0 $\varnothing$ 35 |
| Ti-10861 | 7.0 $\varnothing$ 40 |
| Ti-10863 | 7.0 $\varnothing$ 45 |
| Ti-10865 | 7.0 $\varnothing$ 50 |
| Ti-10867 | 7.0 $\varnothing$ 55 |

MULTI-AXIAL CROSSLINK  
TITANIUM



| Code     | Size      |
|----------|-----------|
| Ti-10875 | L - 32~40 |
| Ti-10877 | L - 42~48 |
| Ti-10879 | L - 50~65 |





REDUCTION MULTI AXIAL SCREW  
TITANIUM

| Code     | Size                   |
|----------|------------------------|
| Ti-10891 | - 5.0 $\varnothing$ 45 |
| Ti-10893 | - 5.5 $\varnothing$ 35 |
| Ti-10895 | - 5.5 $\varnothing$ 40 |
| Ti-10897 | - 5.5 $\varnothing$ 45 |
| Ti-10899 | - 5.5 $\varnothing$ 50 |
| Ti-10901 | - 6.0 $\varnothing$ 35 |
| Ti-10903 | - 6.0 $\varnothing$ 40 |
| Ti-10905 | - 6.0 $\varnothing$ 45 |
| Ti-10907 | - 6.0 $\varnothing$ 50 |
| Ti-10909 | - 6.5 $\varnothing$ 35 |
| Ti-10911 | - 6.5 $\varnothing$ 40 |
| Ti-10913 | - 6.5 $\varnothing$ 45 |
| Ti-10915 | - 6.5 $\varnothing$ 50 |
| Ti-10917 | - 6.5 $\varnothing$ 55 |
| Ti-10919 | - 7.0 $\varnothing$ 35 |
| Ti-10921 | - 7.0 $\varnothing$ 40 |
| Ti-10923 | - 7.0 $\varnothing$ 45 |
| Ti-10925 | - 7.0 $\varnothing$ 50 |
| Ti-10927 | - 7.0 $\varnothing$ 55 |



ROD,Ø6.0  
TITANIUM

| Code     | Size    |
|----------|---------|
| Ti-10941 | L - 50  |
| Ti-10943 | L - 60  |
| Ti-10945 | L - 65  |
| Ti-10947 | L - 70  |
| Ti-10949 | L - 75  |
| Ti-10951 | L - 80  |
| Ti-10953 | L - 90  |
| Ti-10955 | L - 100 |
| Ti-10957 | L - 110 |
| Ti-10959 | L - 115 |
| Ti-10961 | L - 120 |
| Ti-10963 | L - 125 |
| Ti-10965 | L - 130 |
| Ti-10967 | L - 140 |
| Ti-10969 | L - 150 |
| Ti-10971 | L - 160 |
| Ti-10973 | L - 170 |
| Ti-10975 | L - 180 |
| Ti-10977 | L - 200 |
| Ti-10979 | L - 210 |
| Ti-10981 | L - 220 |
| Ti-10983 | L - 240 |
| Ti-10985 | L - 250 |
| Ti-10987 | L - 260 |
| Ti-10989 | L - 280 |
| Ti-10991 | L - 300 |
| Ti-10993 | L - 350 |
| Ti-10995 | L - 400 |





□ INSTRUMENTS



**Quick Connect  
Handle**  
Code No.: 1650



**Quick Connect  
T-Handle**  
Code No.: 1653



**Tap, ø5.5**  
Code No.: 1656



**Tap, ø6.5**  
Code No.: 1659



**Awal**  
Code No.: 1662



**Probe**  
Code No.: 1665



**Straight  
Pedicle Finder**  
Code No.: 1668



**Pedicle Marker  
Cylindrical**  
Code No.: 1671



**Pedicle Marker  
Sphere**  
Code No.: 1674



**Pedicle Marker  
Insertor**  
Code No.: 1677



**Reduction Multi  
Axial Screwdriver**  
Code No.: 1680



**Multi Axial  
Screwdriver**  
Code No.: 1683



**Reduction Single  
Axial**  
Code No.: 1686



**Single Axial  
Screwdriver**  
Code No.: 1689



**Plug Starter**  
Code No.: 1692



**Plug Driver**  
Code No.: 1695

## □ INSTRUMENTS



**Rod Template**  
Code No.: 1698



**Rod Holder**  
Code No.: 1701



**Rod Pusher**  
Code No.: 1704



**Rocker**  
Code No.: 1707



**In-situ Bender Left**  
Code No.: 1710



**In-situ Bender Right**  
Code No.: 1720



**Rod Bender**  
Code No.: 1723



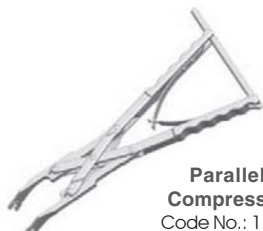
**Ring Counter Torque**  
Code No.: 1726



**Reduction Screw Tab Braker**  
Code No.: 1729



**Parallel Distractor**  
Code No.: 1732



**Parallel Compressor**  
Code No.: 1735



**Rod Bender**  
Code No.: 1738



**Power Grip**  
Code No.: 1741



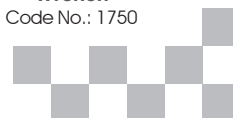
**Crosslink Set**  
Code No.: 1744

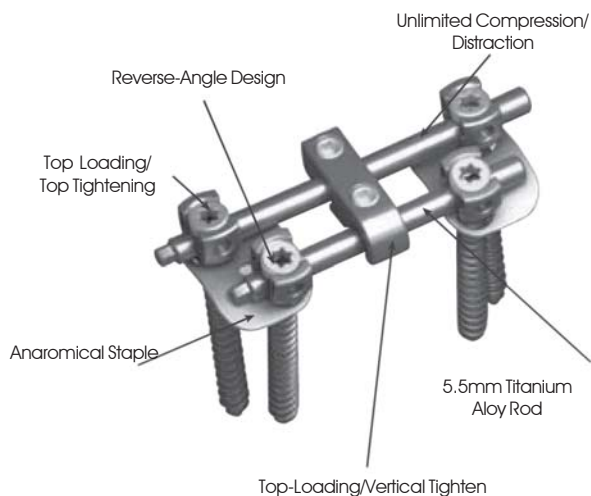


**Crosslink Nut Driver**  
Code No.: 1747



**Hex Rod Rotation Wrench**  
Code No.: 1750





## INTRODUCTION

12  
28

Anterior internal fixation of the thoracic and thoracolumbar spine is a growing trend in spinal surgery. In the thoracic and thoracolumbar spine, anterior fixation is indicated for burst fractures with significant canal compromise, vertebral body tumors requiring corpectomy and other indications requiring anterior stabilization. Primary advantages of anterior internal fixation include the ability to provide complete canal clearance and decompression of bony fragments and/or total resection of a tumor. Additionally, anterior thoracic and thoracolumbar (ATL) surgery allows for fusion of a minimal number of motion segments, thus allowing for more normal spine mechanics.

The specific goal in the development of the NET SPINE SYSTEM - IV was to design a rod-based system primarily for the management of thoracic, thoracolumbar, and lumbar burst fractures and tumors that permits anterior load sharing, allows for distraction to perform reduction and compression of the bone graft, is CT/MRI compatible, and easy to implant.

## IMPLANTS

Basic implants consist of vertebral body staples, fixed angle screws, Crosslink Plates, and 5.5mm diameter rods

### Vertebral Body Staples

Vertebral Body Staples-This unique design offers contour in two planes to provide exceptional fit and a lower overall profile. The ventral surface is shaped to fit not only the sagittal curvature of the vertebral body but the concavity between the superior and inferior endplates of each instrumented vertebra. The dorsal surface has a smooth surface to minimize irritation to vascular structures and soft tissues. Additionally, the dual spikes are contained within the interior of the plate as a safety feature. The offset spikes provide excellent stability during implantation and system rigidity post-operatively. Staples are offered in three sizes to insure precise fit for diverse patient populations.



VERTEBRAL BODY STAPLES  
ROSTRAL (L)  
TITANIUM

| Code     | Size     |
|----------|----------|
| Ti-11100 | S - 14.5 |
| Ti-11105 | M - 15.5 |
| Ti-11110 | L - 16.5 |



VERTEBRAL BODY STAPLES  
CAUDAL (R)  
TITANIUM

| Code     | Size     |
|----------|----------|
| Ti-11135 | S - 14.5 |
| Ti-11140 | M - 15.5 |
| Ti-11145 | L - 16.5 |



VERTEBRAL BODY STAPLES  
SINGLE HOLE  
TITANIUM

| Code     | Size   |
|----------|--------|
| Ti-11160 | Small  |
| Ti-11165 | Medium |
| Ti-11175 | Large  |



SET SCREW  
TITANIUM

| Code     |
|----------|
| Ti-11190 |





FIXED ANGLE SCREW  
TITANIUM

| Code     | Size (MM) |
|----------|-----------|
| Ti-11300 | ~ 4.5∅35  |
| Ti-11305 | ~ 4.5∅40  |
| Ti-11310 | ~ 5.0∅35  |
| Ti-11315 | ~ 5.0∅40  |
| Ti-11320 | ~ 5.5∅35  |
| Ti-11325 | ~ 5.5∅40  |
| Ti-11330 | ~ 5.5∅45  |
| Ti-11335 | ~ 5.5∅50  |
| Ti-11340 | ~ 5.5∅55  |
| Ti-11345 | ~ 6.0∅35  |
| Ti-11350 | ~ 6.0∅40  |
| Ti-11355 | ~ 6.0∅45  |
| Ti-11360 | ~ 6.0∅50  |
| Ti-11365 | ~ 6.5∅35  |
| Ti-11370 | ~ 6.5∅40  |
| Ti-11375 | ~ 6.5∅45  |
| Ti-11380 | ~ 6.5∅50  |
| Ti-11385 | ~ 6.5∅55  |
| Ti-11390 | ~ 7.0∅35  |
| Ti-11395 | ~ 7.0∅40  |
| Ti-11400 | ~ 7.0∅45  |
| Ti-11405 | ~ 7.0∅50  |
| Ti-11410 | ~ 7.0∅55  |
| Ti-11415 | ~ 7.5∅35  |
| Ti-11420 | ~ 7.5∅40  |
| Ti-11425 | ~ 7.5∅45  |
| Ti-11430 | ~ 7.5∅50  |
| Ti-11435 | ~ 7.5∅55  |



CROSSLINK PLATE  
TITANIUM

| Code     | Size   |
|----------|--------|
| Ti-11460 | L - 14 |
| Ti-11465 | L - 15 |
| Ti-11470 | L - 16 |
| Ti-11475 | L - 17 |
| Ti-11480 | L - 18 |
| Ti-11485 | L - 19 |
| Ti-11490 | L - 20 |
| Ti-11495 | L - 22 |
| Ti-11500 | L - 24 |

ROD  
TITANIUM



| Code     | Size mm |
|----------|---------|
| Ti-11530 | L - 50  |
| Ti-11535 | L - 60  |
| Ti-11540 | L - 70  |
| Ti-11545 | L - 80  |
| Ti-11550 | L - 90  |
| Ti-11555 | L - 100 |
| Ti-11560 | L - 110 |
| Ti-11565 | L - 120 |
| Ti-11570 | L - 130 |
| Ti-11575 | L - 140 |
| Ti-11580 | L - 150 |
| Ti-11585 | L - 200 |
| Ti-11590 | L - 250 |

## □ INSTRUMENTS



**Quick Connect  
Handle**  
Code No.: 1850



**Quick Connect  
T-Handle**  
Code No.: 1853



**Awl Guide**  
Code No.: 1856



**Guide Shaft**  
Code No.: 1859



**Awl**  
Code No.: 1862



**Angled Awl**  
Code No.: 1865



**Angled Awl**  
Code No.: 1865



**Tap, ø5.5**  
Code No.: 1868



**Tap, ø6.5**  
Code No.: 1871



**Single Axial  
Screwdriver**  
Code No.: 1874



**Plug Starter**  
Code No.: 1877



**Plug Driver**  
Code No.: 1880



**Ring Counter  
Torque**  
Code No.: 1883





□ INSTRUMENTS



**Rod Template**  
Code No.: 1886



**Rod Holder**  
Code No.: 1889



**Rod Pusher**  
Code No.: 1892



**In-situ Bender Left**  
Code No.: 1895



**In-situ Bender Right**  
Code No.: 1898



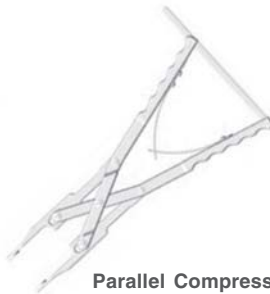
**Rod Bender**  
Code No.: 1901



**Spreader**  
Code No.: 1904



**Parallel Distractor**  
Code No.: 1907



**Parallel Compressor**  
Code No.: 1910



**Rod Bender**  
Code No.: 1913

## □ INSTRUMENTS



**Power Grip**  
Code No.: 1916



**Graft Measuring  
Caliper**  
Code No.: 1919



**Crosslink Measuring Tool**  
Code No.: 1922



**Crosslink Holder**  
Code No.: 1925



**Crosslink Set Screwdriver**  
Code No.: 1928



MONO-AXIAL SCREWS

| Length<br>in mm | Codes / Diameter (STAINLESS STEEL) |          |          |          |
|-----------------|------------------------------------|----------|----------|----------|
|                 | 4.5 mm                             | 5.5 mm   | 6.25 mm  | 7 mm     |
| 25              | 489.4525                           | 489.5525 | 489.6525 | 489.7025 |
| 30              | 489.4530                           | 489.5530 | 489.6530 | 489.7030 |
| 35              | 489.4535                           | 489.5535 | 489.6535 | 489.7035 |
| 40              | 489.4540                           | 489.5540 | 489.6540 | 489.7040 |
| 45              | 489.4545                           | 489.5545 | 489.6545 | 489.7045 |
| 50              | 489.4550                           | 489.5550 | 489.6550 | 489.7050 |



MONO-AXIAL SCREWS

| Length<br>in mm | Codes / Diameter (TITANIUM) |             |             |             |
|-----------------|-----------------------------|-------------|-------------|-------------|
|                 | 4.5 mm                      | 5.5 mm      | 6.25 mm     | 7 mm        |
| 25              | Ti-489.4525                 | Ti-489.5525 | Ti-489.6525 | Ti-489.7025 |
| 30              | Ti-489.4530                 | Ti-489.5530 | Ti-489.6530 | Ti-489.7030 |
| 35              | Ti-489.4535                 | Ti-489.5535 | Ti-489.6535 | Ti-489.7035 |
| 40              | Ti-489.4540                 | Ti-489.5540 | Ti-489.6540 | Ti-489.7040 |
| 45              | Ti-489.4545                 | Ti-489.5545 | Ti-489.6545 | Ti-489.7045 |
| 50              | Ti-489.4550                 | Ti-489.555  | Ti-489.655  | Ti-489.7050 |



REDUCTION SCREWS

| Length<br>in mm | Codes / Dia. (STAINLESS STEEL) |          |
|-----------------|--------------------------------|----------|
|                 | 5.5 mm                         | 6.25 mm  |
| 25              | 476.5525                       | 476.6525 |
| 30              | 476.5530                       | 476.6530 |
| 35              | 476.5535                       | 476.6535 |
| 40              | 476.5540                       | 476.6540 |
| 45              | 476.5545                       | 476.6545 |
| 50              | 476.5550                       | 476.6550 |

| Length<br>in mm | Codes / Dia. (TITANIUM) |             |
|-----------------|-------------------------|-------------|
|                 | 5.5 mm                  | 6.25 mm     |
| 25              | Ti-476.5525             | Ti-476.6525 |
| 30              | Ti-476.5530             | Ti-476.6530 |
| 35              | Ti-476.5535             | Ti-476.6535 |
| 40              | Ti-476.5540             | Ti-476.6540 |
| 45              | Ti-476.5545             | Ti-476.6545 |
| 50              | Ti-476.5550             | Ti-476.6550 |



POLY-AXIAL SCREWS

| Length<br>in mm | Codes / Diameter (STAINLESS STEEL) |          |          |          |
|-----------------|------------------------------------|----------|----------|----------|
|                 | 4.5 mm                             | 5.5 mm   | 6.25 mm  | 7 mm     |
| 25              | 479.4525                           | 479.5525 | 479.6525 | 479.7025 |
| 30              | 479.4530                           | 479.5530 | 479.6530 | 479.7030 |
| 35              | 479.4535                           | 479.5535 | 479.6535 | 479.7035 |
| 40              | 479.4540                           | 479.5540 | 479.6540 | 479.7040 |
| 45              | 479.4545                           | 479.5545 | 479.6545 | 479.7045 |
| 50              | 479.4550                           | 479.5550 | 479.6550 | 479.7050 |



POLY-AXIAL SCREWS

| Length<br>in mm | Codes / Diameter (TITANIUM) |             |             |             |
|-----------------|-----------------------------|-------------|-------------|-------------|
|                 | 4.5 mm                      | 5.5 mm      | 6.25 mm     | 7 mm        |
| 25              | Ti-479.4525                 | Ti-479.5525 | Ti-479.6525 | Ti-479.7025 |
| 30              | Ti-479.4530                 | Ti-479.5530 | Ti-479.6530 | Ti-479.7030 |
| 35              | Ti-479.4535                 | Ti-479.5535 | Ti-479.6535 | Ti-479.7035 |
| 40              | Ti-479.4540                 | Ti-479.5540 | Ti-479.6540 | Ti-479.7040 |
| 45              | Ti-479.4545                 | Ti-479.5545 | Ti-479.6545 | Ti-479.7045 |
| 50              | Ti-479.4550                 | Ti-479.555  | Ti-479.655  | Ti-479.7050 |



Inner Screw - Stainless Steel  
Code No.: 203.405



Inner Screw - Titanium  
Code No.: Ti-203.405



Outer Nut - Stainless Steel  
Code No.: 203.407



Outer Nut - Titanium  
Code No.: Ti-203.407





**Staple for Anterior Fixation**  
**Stainless Steel**  
Code No.: 203.411



**Staple for Anterior Fixation**  
**Titanium**  
Code No.: Ti-203.411



**Standard Transverse Connector**  
**Stainless Steel**  
Code No.: 203.415



**Standard Transverse Connector**  
**Titanium**  
Code No.: Ti-203.415



**Connecting Block**  
**for Standard Transverse Connector**  
**Stainless Steel**  
Code No.: 203.420



**Connecting Block**  
**for Standard Transverse Connector**  
**Titanium**  
Code No.: Ti-203.420



## CONNECTING ROD

| Rod Dia./<br>Length | Codes (STAINLESS STEEL) |           |
|---------------------|-------------------------|-----------|
|                     | 3 mm                    | 5 mm      |
| 50                  | 204.3-50                | 204.5-50  |
| 70                  | 204.3-70                | 204.5-70  |
| 90                  | 204.3-90                | 204.5-90  |
| 120                 | 204.3-120               | 204.5-120 |
| 150                 | 204.3-150               | 204.5-150 |
| 200                 | 204.3-200               | 204.5-200 |
| 250                 | 204.3-250               | 204.5-250 |
| 300                 | 204.3-300               | 204.5-300 |
| 350                 | 204.3-350               | 204.5-350 |

| Rod Dia./<br>Length | Codes (TITANIUM) |              |
|---------------------|------------------|--------------|
|                     | 3 mm             | 5 mm         |
| 50                  | Ti-204.3-50      | Ti-204.5-50  |
| 70                  | Ti-204.3-70      | Ti-204.5-70  |
| 90                  | Ti-204.3-90      | Ti-204.5-90  |
| 120                 | Ti-204.3-120     | Ti-204.5-120 |
| 150                 | Ti-204.3-150     | Ti-204.5-150 |
| 200                 | Ti-204.3-200     | Ti-204.5-200 |
| 250                 | Ti-204.3-250     | Ti-204.5-250 |
| 300                 | Ti-204.3-300     | Ti-204.5-300 |
| 350                 | Ti-204.3-350     | Ti-204.5-350 |



**Facet Hook - Stainless Steel**  
Code No.: 203.426



**Facet Hook - Titanium**  
Code No.: Ti-203.426



**Supra Laminar Hook - Stainless Steel**  
Code No.: 203.429



**Supra Laminar Hook - Titanium**  
Code No.: Ti-203.429



**Infra Laminar Hook - Stainless Steel**  
Code No.: 203.433



**Infra Laminar Hook - Titanium**  
Code No.: Ti-203.433



**Transverse Process Hook, Right - Stainless Steel**  
Code No.: 203.440R



**Transverse Process Hook, Right - Titanium**  
Code No.: Ti-203.440R



**Transverse Process Hook, Left - Stainless Steel**  
Code No.: 203.440L



**Transverse Process Hook, Left - Titanium**  
Code No.: Ti-203.440L





CAGE  
STAINLESS STEEL

| Length<br>in mm | Diameter - Stainless Steel |           |           |           |           |           |           |           |
|-----------------|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                 | 10 mm                      | 12 mm     | 14 mm     | 16 mm     | 18 mm     | 20 mm     | 22 mm     | 24 mm     |
| 20              | 205.10-20                  | 205.12-20 | 205.14-20 | 205.16-20 | 205.18-20 | 205.20-20 | 205.22-20 | 205.24-20 |
| 25              | 205.10-25                  | 205.12-25 | 205.14-25 | 205.16-25 | 205.18-25 | 205.20-25 | 205.22-25 | 205.24-25 |
| 30              | 205.10-30                  | 205.12-30 | 205.14-30 | 205.16-30 | 205.18-30 | 205.20-30 | 205.22-30 | 205.24-30 |
| 35              | 205.10-35                  | 205.12-35 | 205.14-35 | 205.16-35 | 205.18-35 | 205.20-35 | 205.22-35 | 205.24-35 |
| 40              | 205.10-40                  | 205.12-40 | 205.14-40 | 205.16-40 | 205.18-40 | 205.20-40 | 205.22-40 | 205.24-40 |
| 45              | 205.10-45                  | 205.12-45 | 205.14-45 | 205.16-45 | 205.18-45 | 205.20-45 | 205.22-45 | 205.24-45 |
| 50              | 205.10-50                  | 205.12-50 | 205.14-50 | 205.16-50 | 205.18-50 | 205.20-50 | 205.22-50 | 205.24-50 |



CAGE  
TITANIUM

| Length<br>in mm | Diameter - Titanium |              |              |              |              |              |
|-----------------|---------------------|--------------|--------------|--------------|--------------|--------------|
|                 | 10 mm               | 12 mm        | 14 mm        | 16 mm        | 18 mm        | 20 mm        |
| 20              | Ti-205.10-20        | Ti-205.12-20 | Ti-205.14-20 | Ti-205.16-20 | Ti-205.18-20 | Ti-205.20-20 |
| 25              | Ti-205.10-25        | Ti-205.12-25 | Ti-205.14-25 | Ti-205.16-25 | Ti-205.18-25 | Ti-205.20-25 |
| 30              | Ti-205.10-30        | Ti-205.12-30 | Ti-205.14-30 | Ti-205.16-30 | Ti-205.18-30 | Ti-205.20-30 |
| 35              | Ti-205.10-35        | Ti-205.12-35 | Ti-205.14-35 | Ti-205.16-35 | Ti-205.18-35 | Ti-205.20-35 |
| 40              | Ti-205.10-40        | Ti-205.12-40 | Ti-205.14-40 | Ti-205.16-40 | Ti-205.18-40 | Ti-205.20-40 |
| 45              | Ti-205.10-45        | Ti-205.12-45 | Ti-205.14-45 | Ti-205.16-45 | Ti-205.18-45 | Ti-205.20-45 |
| 50              | Ti-205.10-50        | Ti-205.12-50 | Ti-205.14-50 | Ti-205.16-50 | Ti-205.18-50 | Ti-205.20-50 |

| Length<br>in mm | Diameter - Titanium |              |              |              |              |              |              |              |
|-----------------|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                 | 10 mm               | 12 mm        | 14 mm        | 16 mm        | 18 mm        | 20 mm        | 22 mm        | 24 mm        |
| 20              | Ti-205.10-20        | Ti-205.12-20 | Ti-205.14-20 | Ti-205.16-20 | Ti-205.18-20 | Ti-205.20-20 | Ti-205.22-20 | Ti-205.24-20 |
| 25              | Ti-205.10-25        | Ti-205.12-25 | Ti-205.14-25 | Ti-205.16-25 | Ti-205.18-25 | Ti-205.20-25 | Ti-205.22-25 | Ti-205.24-25 |
| 30              | Ti-205.10-30        | Ti-205.12-30 | Ti-205.14-30 | Ti-205.16-30 | Ti-205.18-30 | Ti-205.20-30 | Ti-205.22-30 | Ti-205.24-30 |
| 35              | Ti-205.10-35        | Ti-205.12-35 | Ti-205.14-35 | Ti-205.16-35 | Ti-205.18-35 | Ti-205.20-35 | Ti-205.22-35 | Ti-205.24-35 |
| 40              | Ti-205.10-40        | Ti-205.12-40 | Ti-205.14-40 | Ti-205.16-40 | Ti-205.18-40 | Ti-205.20-40 | Ti-205.22-40 | Ti-205.24-40 |
| 45              | Ti-205.10-45        | Ti-205.12-45 | Ti-205.14-45 | Ti-205.16-45 | Ti-205.18-45 | Ti-205.20-45 | Ti-205.22-45 | Ti-205.24-45 |
| 50              | Ti-205.10-50        | Ti-205.12-50 | Ti-205.14-50 | Ti-205.16-50 | Ti-205.18-50 | Ti-205.20-50 | Ti-205.22-50 | Ti-205.24-50 |





**□ INSTRUMENTS**



**Cage Pusher Curved**  
Code No.: 206.101

**Cage Pusher Straight**  
Code No.: 206.102



**Straight Awl**  
Code No.: 206.100



**Cam Action Bending Instrument (Roller Type)**  
Code No.: 206.103



**Facet Finder for the Facet Hook**  
Code No.: 206.104



**Hexagonal Driver cum Remover  
for poly axial Screw, 2.5mm, 250mm Long**  
Code No.: 206.105



**Hexagonal Driver for Inner Screw,  
3.5mm, 250mm Long**  
Code No.: 206.106



**Infra Laminar Locator  
for the infralaminar Hook**  
Code No.: 206.107



**Inserter for Poly axial screw**  
Code No.: 206.108



**Inserter for Staple Washer**  
Code No.: 206.109



**In-Situ Bending Irons Extra Long**  
Code No.: 206.110



**Spondylolysis Reduction Screw  
Break Off Instrument (Supplied as a pair)**  
Code No.: 206.111



**Introducer for Spondylolysis Reduction  
Screw with Safety Sleeve**  
Code No.: 206.112



**Outer Nut Tightener Long**  
Code No.: 206.113

## □ INSTRUMENTS



**Outer Sleeve  
for Polyaxial Screw Inserter,  
T Handle**  
Code No.: 206.114



**Rod Stabiliser**  
Code No.: 206.115



**Pedicule Probe**  
Code No.: 206.116



**Pedicule Probe Straight**  
Code No.: 206.117



**Rocker for Rod Reduction**  
Code No.: 206.119



**Pedicule Sound**  
Code No.: 206.118



**Rod Holder Ratchet Lock**  
Code No.: 206.120



**Rod Holder Self Locking,  
Extra Long**  
Code No.: 206.121



**Rod Holder Ratchet Lock**  
Code No.: 206.122



**Rod Pusher - Straight Width 5mm**  
Code No.: 206.123



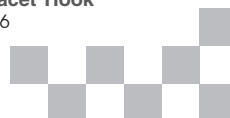
**Pedicule Centraliser**  
Code No.: 206.124



**Screw Inserter for Monoaxial Screws**  
Code No.: 206.125



**Pedicule Finder for the Facet Hook**  
Code No.: 206.126





## STEFFEE IMPLANTS & INSTRUMENTS



### STEFFEE PLATES

| No. of Holes | Code No. S.S. |
|--------------|---------------|
| 1            | 198.010       |
| 1.5          | 198.015       |
| 2            | 198.020       |
| 2 Half Holes | 198.022       |
| 2.5          | 198.025       |
| 3            | 198.030       |
| 3 Half Holes | 198.032       |
| 3.5          | 198.035       |
| 4            | 198.040       |
| 4.5          | 198.045       |
| 5            | 198.050       |

| No. of Holes | Code No. TITANIUM |
|--------------|-------------------|
| 1            | Ti-198.010        |
| 1.5          | Ti-198.015        |
| 2            | Ti-198.020        |
| 2 Half Holes | Ti-198.022        |
| 2.5          | Ti-198.025        |
| 3            | Ti-198.030        |
| 3 Half Holes | Ti-198.032        |
| 3.5          | Ti-198.035        |
| 4            | Ti-198.040        |
| 4.5          | Ti-198.045        |
| 5            | Ti-198.050        |

### STEFFEE SCREWS

| Length in mm | Codes / Diameter (STAINLESS STEEL) |         |         |         |
|--------------|------------------------------------|---------|---------|---------|
|              | 4.5 mm                             | 5.5 mm  | 6.25 mm | 7 mm    |
| 24           | 198.124                            | 198.224 | 198.324 | 198.424 |
| 26           | 198.126                            | 198.226 | 198.326 | 198.426 |
| 28           | 198.128                            | 198.228 | 198.328 | 198.428 |
| 30           | 198.130                            | 198.230 | 198.330 | 198.430 |
| 32           | 198.132                            | 198.232 | 198.332 | 198.432 |
| 34           | 198.134                            | 198.234 | 198.334 | 198.434 |
| 36           | 198.136                            | 198.236 | 198.336 | 198.436 |
| 38           | 198.138                            | 198.238 | 198.338 | 198.438 |
| 40           | 198.140                            | 198.240 | 198.340 | 198.440 |
| 42           | 198.142                            | 198.242 | 198.342 | 198.442 |
| 44           | 198.144                            | 198.244 | 198.344 | 198.444 |
| 46           | 198.146                            | 198.246 | 198.346 | 198.446 |
| 48           | 198.148                            | 198.248 | 198.348 | 198.448 |
| 50           | 198.150                            | 198.250 | 198.350 | 198.450 |
| 52           | 198.152                            | 198.252 | 198.352 | 198.452 |
| 54           | 198.154                            | 198.254 | 198.354 | 198.454 |
| 56           | 198.156                            | 198.256 | 198.356 | 198.456 |
| 58           | 198.158                            | 198.258 | 198.358 | 198.458 |
| 60           | 198.160                            | 198.260 | 198.360 | 198.460 |



## STEFFEE SCREWS

| Length<br>in mm | Codes / Diameter (TITANIUM) |            |            |            |
|-----------------|-----------------------------|------------|------------|------------|
|                 | 4.5 mm                      | 5.5 mm     | 6.25 mm    | 7 mm       |
| 24              | Ti-198.124                  | Ti-198.224 | Ti-198.324 | Ti-198.424 |
| 26              | Ti-198.126                  | Ti-198.226 | Ti-198.326 | Ti-198.426 |
| 28              | Ti-198.128                  | Ti-198.228 | Ti-198.328 | Ti-198.428 |
| 30              | Ti-198.130                  | Ti-198.230 | Ti-198.330 | Ti-198.430 |
| 32              | Ti-198.132                  | Ti-198.232 | Ti-198.332 | Ti-198.432 |
| 34              | Ti-198.134                  | Ti-198.234 | Ti-198.334 | Ti-198.434 |
| 36              | Ti-198.136                  | Ti-198.236 | Ti-198.336 | Ti-198.436 |
| 38              | Ti-198.138                  | Ti-198.238 | Ti-198.338 | Ti-198.438 |
| 40              | Ti-198.140                  | Ti-198.240 | Ti-198.340 | Ti-198.440 |
| 42              | Ti-198.142                  | Ti-198.242 | Ti-198.342 | Ti-198.442 |
| 44              | Ti-198.144                  | Ti-198.244 | Ti-198.344 | Ti-198.444 |
| 46              | Ti-198.146                  | Ti-198.246 | Ti-198.346 | Ti-198.446 |
| 48              | Ti-198.148                  | Ti-198.248 | Ti-198.348 | Ti-198.448 |
| 50              | Ti-198.150                  | Ti-198.250 | Ti-198.350 | Ti-198.450 |
| 52              | Ti-198.152                  | Ti-198.252 | Ti-198.352 | Ti-198.452 |
| 54              | Ti-198.154                  | Ti-198.254 | Ti-198.354 | Ti-198.454 |
| 56              | Ti-198.156                  | Ti-198.256 | Ti-198.356 | Ti-198.456 |
| 58              | Ti-198.158                  | Ti-198.258 | Ti-198.358 | Ti-198.458 |
| 60              | Ti-198.160                  | Ti-198.260 | Ti-198.360 | Ti-198.460 |



## □ STEFFEE INSTRUMENTS, S.S.

| Code No. | Description                |
|----------|----------------------------|
| 392.010  | Steffee Wrench - 8.0mm     |
| 392.020  | Steffee Wrench - 11.0mm    |
| 392.030  | Steffee Screw Tap - 4.5mm  |
| 392.040  | Steffee Screw Tap - 5.5mm  |
| 392.041  | Steffee Screw Tap - 6.25mm |
| 392.042  | Steffee Screw Tap - 7.0mm  |
| 392.050  | Steffee Awl                |
| 392.060  | Steffee Screw Introducer   |





□ TRAUMATOLOGY OF SPINE



H-PLATE FOR CERVICAL SPINE

| No. of Holes | Hole Sp. in mm | Length in mm | Codes S.S. |
|--------------|----------------|--------------|------------|
| 5            | 16             | 23           | 199.001    |
| 5            | 18             | 25           | 199.002    |
| 5            | 21             | 28           | 199.003    |
| 8            | 16+18          | 41           | 199.004    |
| 8            | 18+21          | 46           | 199.005    |
| 11           | 16+18+18       | 58           | 199.006    |

| No. of Holes | Hole Sp. in mm | Length in mm | Codes TITANIUM |
|--------------|----------------|--------------|----------------|
| 5            | 16             | 23           | Ti-199.001     |
| 5            | 18             | 25           | Ti-199.002     |
| 5            | 21             | 28           | Ti-199.003     |
| 8            | 16+18          | 41           | Ti-199.004     |
| 8            | 18+21          | 46           | Ti-199.005     |
| 11           | 16+18+18       | 58           | Ti-199.006     |



HART SHELLS

| Size in mm. | Code No. S.S. |
|-------------|---------------|
| 75          | 195.103       |
| 100         | 195.104       |
| 125         | 195.105       |
| 150         | 195.106       |
| 175         | 195.107       |
| 200         | 195.108       |
| 225         | 195.109       |
| 250         | 195.110       |

| Size in mm. | Code No. TITANIUM |
|-------------|-------------------|
| 75          | Ti-195.103        |
| 100         | Ti-195.104        |
| 125         | Ti-195.105        |
| 150         | Ti-195.106        |
| 175         | Ti-195.107        |
| 200         | Ti-195.108        |
| 225         | Ti-195.109        |
| 250         | Ti-195.110        |



HART SHELL (WITH SS WIRE LOCKING) EXCEL

| Size in mm. | Code No. S.S. |
|-------------|---------------|
| 75          | 195.203       |
| 100         | 195.204       |
| 125         | 195.205       |
| 150         | 195.206       |
| 175         | 195.207       |
| 200         | 195.208       |
| 225         | 195.209       |
| 250         | 195.210       |

| Size in mm. | Code No. TITANIUM |
|-------------|-------------------|
| 75          | Ti-195.203        |
| 100         | Ti-195.204        |
| 125         | Ti-195.205        |
| 150         | Ti-195.206        |
| 175         | Ti-195.207        |
| 200         | Ti-195.208        |
| 225         | Ti-195.209        |
| 250         | Ti-195.210        |

## □ INSTRUMENTS FOR LAMINECTOMY, S.S.

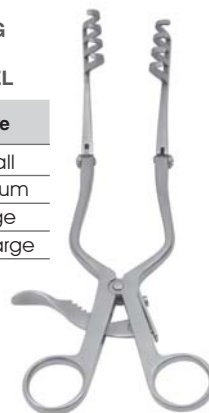
| Code No. | Description                         |
|----------|-------------------------------------|
| 389.002  | Punch Forceps-Small-Upcutting       |
| 389.004  | Punch Forceps-Small-Downcutting     |
| 389.006  | Punch Forceps-Large-Upcutting       |
| 389.008  | Punch Forceps-Large-Downcutting     |
| 389.010  | Punch Forceps-45° Angle-Upcutting   |
| 389.012  | Punch Forceps-45° Angle-Downcutting |
| 389.014  | Disc Forceps-Straight               |
| 389.016  | Disc Forceps-Upward                 |
| 389.018  | Disc Forceps-Downward               |
| 389.020  | Beckmann Adson Retractor            |
| 389.022  | Nerve Root Retractor - Straight     |
| 389.024  | Nerve Root Retractor - 45° Angle    |
| 389.026  | Nerve Root Retractor - 90° Angle    |
| 389.028  | Nerve Root Dissector                |
| 389.030  | McDowell's Dissector                |
| 389.032  | Durer Elevator                      |
| 389.034  | Cobb's Elevator                     |
| 389.042  | Spinal Rongeurs                     |



**Spinal Rongeurs**  
Code No.: 389.042

### SELF RETAINING RETRACTOR STAINLESS STEEL

| Code No. | Size        |
|----------|-------------|
| 380.010  | Small       |
| 380.020  | Medium      |
| 380.030  | Large       |
| 380.040  | Extra Large |



12  
45



**McDowell's Dissector**  
Code No.: 389.030



**Durer Elevator**  
Code No.: 389.032





## SPINE SURGERY

...INSTRUMENTATION FOR LAMINECTOMY, S.S.



**Bone Curette with Fibre Handle**  
Code No.: 367.020



**Cobs Elevator**  
Code No.: 389.034



**Punch Forceps-Small-Upcutting**  
Code No.: 389.002



**Punch Forceps-Small-Downcutting**  
Code No.: 389.004



**Punch Forceps-Large-Downcutting**  
Code No.: 389.008



**Punch Forceps-Large-Upcutting**  
Code No.: 389.006



**Punch Forceps-45° Angle-Upcutting**  
Code No.: 389.010



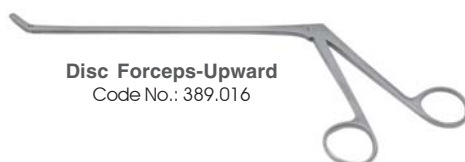
**Punch Forceps-45° Angle-Downcutting**  
Code No.: 389.012



**Disc Forceps-Straight**  
Code No.: 389.014



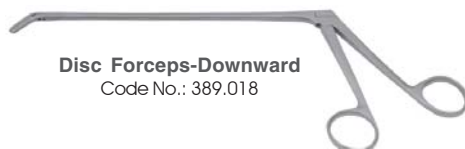
**Nerve Root Retractor - Straight**  
Code No.: 389.022



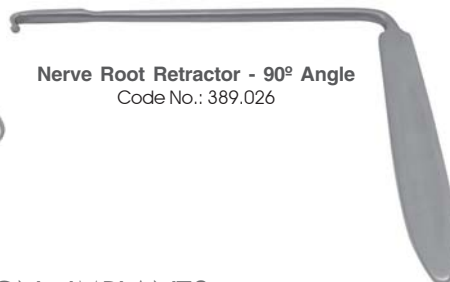
**Disc Forceps-Upward**  
Code No.: 389.016



**Nerve Root Retractor - 45° Angle**  
Code No.: 389.024



**Disc Forceps-Downward**  
Code No.: 389.018



**Nerve Root Retractor - 90° Angle**  
Code No.: 389.026

## □ HARRINGTON IMPLANTS



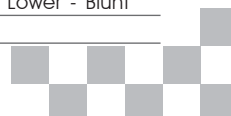
**HARRINGTON ROD**  
**STAINLESS STEEL**

| Code No. | Size mm |
|----------|---------|
| 197.025  | 25      |
| 197.051  | 51      |
| 197.076  | 76      |
| 197.102  | 102     |
| 197.127  | 127     |
| 197.152  | 152     |
| 197.178  | 178     |
| 197.203  | 203     |
| 197.224  | 224     |
| 197.254  | 254     |



**HARRINGTON HOOKS**  
**STAINLESS STEEL**

| Code No. | Description                   |
|----------|-------------------------------|
| 197.270  | Harrington Hook Upper - Sharp |
| 197.271  | Harrington Hook Upper - Blunt |
| 197.275  | Harrington Hook Lower - Sharp |
| 197.276  | Harrington Hook Lower - Blunt |
| 197.280  | Clip Washer                   |





**HARRINGTON INSTRUMENTS  
STAINLESS STEEL**

| Code No. | Description                   |
|----------|-------------------------------|
| 390.005  | Harrington Punch              |
| 390.010  | Hook Holding Forceps - Left   |
| 390.015  | Hook Holding Forceps - Right  |
| 390.020  | Hook Spreader                 |
| 390.025  | Threaded Rod Clamp - Small    |
| 390.030  | Threaded Rod Clamp - Large    |
| 390.035  | Hook Pusher - Straight        |
| 390.040  | Hook Pusher - Curved          |
| 390.045  | C-Washer Holding Forceps      |
| 390.056  | Spinal Rod Bender             |
| 390.055  | Out Riger                     |
| 391.000  | Bender for Hart Shells (Pair) |



**CAPNERS'/COBB SPINAL GOUGE  
STAINLESS STEEL**

| Code No. | Description |
|----------|-------------|
| 389.036  | Straight    |
| 389.038  | Curved      |
| 389.040  | Deep Curved |



**SPINAL ROD BENDER**  
Code No.: 390.056