



# The Spider Screw® System

The Spider Screw's geometry is a result of careful design in every single detail. In fact, the Spider Screw has obtained two international patents since its inception, due to its innovative characteristics: the simultaneous presence of the external and internal rectangular slots and round internal slots.

The Spider Screw's design is extremely versatile, due to its small dimensions and unique design. It is easily placed in either the maxilla or mandible, even where access is limited and bone quality is less than ideal. Placement is simplified by the self-drilling feature found in the K1 Plus, K2 Plus, K1 and K2 Spider Screw systems. Spider Pin requires pre-drilling.

The Spider Screw has been developed to offer a number of versatile anchorage options capable of immediate loading. Immediate loading is possible because the Spider Screw is a non-osteointegrable implant and consequently force can be applied immediately after placement. The applied force can range from 50 to 300 grams depending on screw choice, bone quality, and the desired orthodontic movement.

The Spider Screw is an anchorage device that can be used during every phase of orthodontic treatment and is suitable for symmetric or asymmetric anchorage. The Spider Screw assists in the success of orthodontic treatment, both in adults and adolescents, by reducing treatment times without patient compliance.

The Spider Screw package includes three removable labels containing important information (device name, reference code, lot number, etc.) which is to be applied to the patient's record card for traceability. Our sterile packaging ensures the Spider Screws are ready to use whenever you need them, saving your office valuable processing time. The screws have been cleaned, decontaminated and sterilized via gamma radiation, simply use sterile handling protocol.



Anchorage



### Orthodontic Head

- Designed to facilitate appliance (wires, springs, etc.) placement
- Features two intersecting .022" slots
- Under tie-wing area also functions as another .022" x .025" slot featuring two intersecting slots of .027" in diameter
- Chamfered inlets simplify insertion of wires or ligatures
- Small head dimension is designed for patient comfort



### Transmucosal Portion

- Variable length allows for optimal adaptation to different intraoral mucosa thicknesses during bio-maintenance
- Short length for areas of thinly attached gingiva
- Long for areas with thick or freely movable tissues
- Polished with a special treatment to help avoid soft tissue irritation and make cleaning easier to accomplish



### Intrabony Portion

- Thread shape has an asymmetrical profile for easy placement
- Ensures maximum stability and avoidance of bone stress
- Self-drilling and self-tapping makes pre-drilling before insertion unnecessary dependent upon bone structure
- Easy to place while reducing the risk of root damage



## Clinical Cases

- Intrusion Posterior Areas
- Direct Anchorage Uprighting and Molar Intrusion
- Class II Correction
- Lower Molar Protraction Indirect Anchorage
- Molar Uprighting and Intrusion

Visit our website for detailed case studies and before/after photos

# Spider Screw®

## Temporary Anchorage Device System

Made From High Quality Materials

- Grade 5 titanium construction
- Nickel-free for sensitive patients
- One per pack



### Self-Ligating K1 Plus Series

#### Conical: Self-Drilling Thread

The Spider Screw Self-Ligating TAD - K1 is self-drilling and self-tapping. Due to the design of the conical thread, drilling is eliminated in most areas of the mouth. In areas of high bone density, it may be necessary to utilize the 1.1 mm drill provided to penetrate the cortical plate. The locking head is color coded pink for easy identification.



Long Neck – 2.0 mm	
Length	Item #
6.5 mm	SXL-1506
8.0 mm	SXL-1508
10.0 mm	SXL-1510

3.9 mm diameter head  
1.5 mm diameter body

### Self-Ligating K2 Plus Series

#### Conical: Self-Drilling Thread

The Spider Screw Self-Ligating TAD - K2 is self-drilling and self-tapping. Due to the design of the conical thread, drilling is eliminated in most areas of the mouth. In areas of high bone density, it may be necessary to utilize the 1.2 mm drill provided to penetrate the cortical plate. The locking head is color coded green for easy identification.



Long Neck – 2.0 mm	
Length	Item #
6.0 mm	SXL-1906
7.0 mm	SXL-1907
9.0 mm	SXL-1909
11.0 mm	SXL-1911

3.9 mm diameter head  
1.9 mm diameter body

### K1 Series

#### Conical: Self-Drilling Thread

The Spider Screw - K1 is self-drilling and self-tapping. Due to the design of the conical thread, drilling is eliminated in most areas of the mouth. In areas of high bone density, it may be necessary to utilize the 1.1 mm drill provided to penetrate the cortical plate.



Short Neck – 1.0 mm	
Length	Item #
6.5 mm	SCR-1506
8.0 mm	SCR-1508
10.0 mm	SCR-1510

3.4 mm diameter head  
1.5 mm diameter body



Long Neck – 2.0 mm	
Length	Item #
6.5 mm	SCL-1506
8.0 mm	SCL-1508
10.0 mm	SCL-1510

3.4 mm diameter head  
1.5 mm diameter body

### K2 Series

#### Conical: Self-Drilling Thread

The Spider Screw - K2 is self-drilling and self-tapping. Due to the design of the conical thread, drilling is eliminated in most areas of the mouth. In areas of high bone density, it may be necessary to utilize the 1.2 mm drill provided to penetrate the cortical plate.



Short Neck – 1.0 mm	
Length	Item #
6.0 mm	SCR-1906
7.0 mm	SCR-1907
9.0 mm	SCR-1909
11.0 mm	SCR-1911

3.4 mm diameter head  
1.9 mm diameter body



Long Neck – 2.0 mm	
Length	Item #
6.0 mm	SCL-1906
7.0 mm	SCL-1907
9.0 mm	SCL-1909
11.0 mm	SCL-1911

3.4 mm diameter head  
1.9 mm diameter body

### Spider Pin™

#### Cylindrical: Pre-Drilling Thread

The Spider Pin is self-tapping and requires pre-drilling. It is ideal for areas where a reduced size head is required and the infrabony portion is narrow. The simple design increases patient comfort and makes it easy to attach coil springs or elastic chains.



Long Neck – 2.0 mm	
Length	Item #
8.0 mm	SCL-1308
10.0 mm	SCL-1310

2.6 mm diameter head  
1.3 mm diameter body

**Individual Self-Ligating K1 & K2 Plus Series Screws**  
Packaged sterile

**Individual K1 & K2 Screws**  
Packaged sterile

**Individual Spider Pins**  
Packaged sterile

Short Neck: Reduced neck height for thin tissue (anterior and lateral areas) Long Neck: Oversize neck height for soft thick tissue (posterior and lateral areas)



# Spider Screw<sup>®</sup> Self-Ligating TAD

ORTHO TECHNOLOGY  
**EXCLUSIVE!**



The locking head is color coded for easy identification and product selection



Head slot fits wires up to .018" x .022"

Long collared neck

Asymmetrical threads for easy placement and stability

Self-drilling and self-tapping with no pre-drilling required

Anchorage



Insert wire and turn Spider Screw Self-Ligating TAD head 90° with Self-Ligating Driver to secure

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# Spider Screw Self-Ligating TAD Starter Kit

- 1x 1.1 mm x 8.0 mm drill - K1
- 1x 1.3 mm x 9.0 mm drill - K2
- 1x Pick-up driver shaft - SXL
- 1x Contra angle pick-up driver short - SXL
- 1x Self-ligating TAD key
- 1x Handle driver - SXL
- 1x Screw driver body
- 1x Organizer

Entire Kit Can Be Sterilized

- Autoclavable up to 273°F/134°C
- Heat Sterilizable up to 356°F/180°C
- Chemically up to 297°F/132°C

**Spider Screw Self-Ligating Starter Kit**  
Item #: CSS-6008

**Replacement Organizer**  
Item #: CSS-6000

**1 Year Warranty on Instruments**



Built-in millimeter scale ensures correct Spider Screw selection



## Included in Starter Kit



**8.0 mm Drill - K1**  
Item #: FSC-1108-S  
1.1 mm x 8.0 mm



**9.0 mm Drill - K2**  
Item #: FSC-1309  
1.3 mm x 9.0 mm



**Pick-Up Driver Shaft - SXL**  
Item #: DSP-5652S  
52.0 mm



**Contra Angle Pick-Up Driver Short - SXL**  
Item #: DPQ-3420  
20.0 mm



**Self-Ligating TAD Key**  
Item #: DXL-2820



**Handle Driver - SXL**  
Item #: DSQ-3424



**Screw Driver Body**  
Item #: DSX-1690N-S

## Optional Items



**Contra Angle Pick-Up Driver Long - SXL**  
Item #: DPQ-3425  
25.0 mm



**Great for Larger Hands** or for a **Firmer Grip**  
**Optional Round Replacement End for Screw Driver Body DSX-1690N-S**  
Item #: RCX-2545



**Wide and Round End Handles** provide easier, more ergonomic grip for larger hands  
**Screw Driver Body Wide Handle**  
Item #: DSX-1690RC



## Spider Screw K1, K2 Starter Kit

- 1x 1.1 mm x 8.0 mm drill - K1
- 1x 1.3 mm x 9.0 mm drill - K2
- 1x Pick-up driver shaft
- 1x Cross driver shaft
- 1x Contra angle pick-up driver
- 1x Handle driver
- 1x Screw driver body
- 1x Organizer

Entire Kit Can Be Sterilized

- Autoclavable up to 273°F/134°C
- Heat Sterilizable up to 356°F/180°C
- Chemoclavable up to 297°F/132°C

### Spider Screw Starter Kit

Item #: CSS-4008

### Replacement Organizer - K1, K2

Item #: CSS-4000

### 1 Year Warranty on Instruments



Built-in millimeter scale ensures correct Spider Screw selection



### Included in Starter Kit



**8.0 mm Drill - K1**  
Item #: FSC-1108-S  
1.1 mm x 8.0 mm



**9.0 mm Drill - K2**  
Item #: FSC-1309  
1.3 mm x 9.0 mm



**Pick-Up Driver Shaft**  
Item #: DSP-5052N-S  
52.0 mm



**Cross Driver Shaft**  
Item #: DSX-2852N-S  
52.0 mm



**Contra Angle Pick-Up Driver**  
Item #: DPQ-2820-S  
20.0 mm



**Handle Driver**  
Item #: DSQ-2824-S



**Screw Driver Body**  
Item #: DSX-1690N-S

### Optional Items



- Automatically releases when the calibrated torque is reached to avoid overloading
- Torque can be set from 5 to 20 Ncm
- Helps eliminate screw breakage

### Torque Screw Driver Body

Item #: DST-1600-S<sup>«</sup>

*Note: Pickup driver sold separately. Sterilizable, see instructions for details.*



**10.0 mm Drill**  
Item #: FSC-1210-S<sup>«</sup>  
1.2 mm x 10.0 mm



**Contra Angle Pick-Up Driver**  
Item #: DPQ-2825  
25.0 mm



**Pick-Up Handle Driver**  
Item #: DPH-2824-S



**Contra Angle Cross Driver**  
Item #: DPX-2830-S  
30.0 mm



<sup>«</sup>Available by special order. Additional shipping time may be required.



# Spider Pin™

## Temporary Anchorage Device System

### For Areas Where a Reduced Head Size is Required

- Simple and easy to use
- Smooth, rounded design for patient comfort
- Perfect for NiTi closed coil spring attachments
- Infrabony portion diameter is 1.3 mm at the widest point
- Ideal for narrow interproximal spaces
- Requires no patient cooperation and reduces treatment time
- Self-tapping and requires pre-drilling



## Spider Pin Starter Kit

### 1.3 mm Diameter

- 1x 0.9 mm x 10.0 mm drill
- 1x Contra angle pick-up driver - pin
- 1x Short handle driver - pin
- 1x Pick-up handle driver shaft - pin
- 1x Screw driver body
- 1x Organizer

Entire Kit Can Be Sterilized

- Autoclavable up to 273°F/134°C
- Heat Sterilizable up to 356°F/180°C
- Chemoclavable up to 297°F/132°C

### Spider Pin Starter Kit

Item #: CSS-3006

1 Year Warranty on Instruments



### Included in Starter Kit



**10.0 mm Drill - Pin**  
Item #: FSC-0910-S«  
0.9 mm x 10.0 mm



**Contra Angle Pick-Up Driver - Pin**  
Item #: DPQ-2322-S«  
20.0 mm



**Pick-Up Handle Driver Shaft - Pin**  
Item #: DSP-2352N-S«  
52.0 mm



**Short Handle Driver - Pin**  
Item #: DSQ-2324-S«



**Screw Driver Body**  
Item #: DSX-1690N-S«  
99.0 mm

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