

Maximum flexibility + minimal effort

The only positioning system you'll need for
shoulder, elbow, wrist, knee and ankle procedures

Smith+Nephew



SPIDER2
Limb Positioner



Versatility

From head to toe

The SPIDER2 is designed to provide unimpeded access to the joint and allows you to perform surgery in any position for your arthroscopic and open procedures in the shoulder, elbow, wrist, knee and ankle.¹

Maintaining a steady position from start to finish, the SPIDER2 Limb Positioner is designed to allow surgeons full control of limb positioning, range of motion and traction from within the sterile field, without the need to rely on an assistant or circulating nurse.²

SPIDER2 provides a “second set of hands” removing the need for staff to hold the patient’s limb, thus reducing fatigue and possible inconsistencies in the OR.^{2,3}



KEY FEATURES

+ Universal rail clamps

SPIDER2 attaches to all standard operating tables; eliminating the need for adapters⁴

+ Switch drape with distal activation

A sterile drape allows the surgeon to perform all positioning adjustments and traction from within the sterile field. An optional switch-drape is available which eliminates the need for a foot pedal. The distal activation switch can be detached from the sterile drape and relocated directly to the patient or sterile accessory

+ Ball joints

Three ball joints allow SPIDER2 to be oriented in various positions allowing surgeons to gain access to the joint space and support the limb intra-operatively

+ Setup button

Activates system prior to draping, allowing surgical technicians to position SPIDER2 without need of the foot pedal or switch drape

+ Index handle

The index handle allows the SPIDER2 to rotate a full 360 degrees on the OR table rail. SPIDER2 can rotate around the clamp at 45-degree increments, allowing for quick setup between cases

+ Foot pedal

An optional foot pedal allows for virtually instantaneous activation/release of the positioner²



SHOULDER POSITIONING

Offering instantaneous repositioning, our SPIDER2 delivers control of abduction, rotation and forward flexion in both beach chair and lateral decubitus positions for both arthroscopy and open procedures.^{2,5}

Beach chair

- SPIDER2 can attach to T-MAX or a standard OR table rail and holds the arm steady for shoulder procedures in the beach chair position⁶
- T-MAX is designed to provide optimal head positioning for the anesthesiologist



Lateral decubitus

- It provides control of internal/external rotation, abduction and forward flexion, and both gross and fine traction within the sterile field without the need for weights⁷
- The Lateral JACK, designed for use with SPIDER2 lifts the head of the humerus to create more working space in the shoulder joint during instability repairs



Our SPIDER2 knee accessories are designed to allow you to position the knee for both arthroscopy and open procedures.

Leg accessory

- Provides stable positioning for knee procedures, especially for those procedures requiring bone tunnel drilling or meniscal repairs⁸
- Changes to internal/external rotation, hyperflexion/extension, or a modified figure-four position⁶
- Easy to secure the boot⁸



Distal thigh holder

- The lower limb hangs freely using gravity to open the joint space
- Easily disconnects during surgery⁹
- The sterile stabilization kit can be placed over a tourniquet



Meniscal post

- Can be used with or without the SPIDER2 leg accessory
- Can be raised, locked into position and lowered all from within the sterile field⁸
- The design allows for both varus and valgus force to be applied
- The shaped pad is designed to conform to the patient's anatomy



EXTREMITIES POSITIONING

By using our SPIDER2 extremity accessories you are able to achieve measurable traction while obtaining unimpeded access to the ankle, wrist and elbow during arthroscopic and open procedures.^{1,10}

Elbow accessory

- Facilitates ideal positioning for supine elbow arthroscopy procedures
- Enables positioning of elbow in extended or flexed position^{1,10}
- Pronation and supination can be locked/unlocked via the 90 degree connector



Wrist accessory

- Facilitates positioning for pinning and fracture work
- Designed to provide control of both supination and pronation positioning¹¹
- Designed to allow for full control of gross traction and fine measured traction without weights
- The wrist stabilization kit comes in three sizes and equalizes the force via secure finger straps



Ankle accessory

- Designed for quick and simple setup
- Designed to control angle of knee flexion
- Measurable traction with the TENET Traction Accessory
- Requires the FERKEL® Thigh Holder for counter traction



References

1. Smith and Nephew 2014. Design Evolution Report - Spider2 DHF Memo. **2.** Tenet Medical Engineering 2010 Marketing justification for Spider II. **3.** Smith and Nephew 2019. SPIDER2 Design Verification 15009093 Rev. A. **4.** Smith and Nephew 2018. Verification: Acufex Access OR Rail Stability 15007257 Rev. A. **5.** Lewington MR, Urquhart N, Wong IH. Lateral Decubitus All-Arthroscopic Latarjet Procedure for Treatment of Shoulder Instability. *Arthrosc Tech.* 2015;4(3):e207-e213. **6.** Whelan A, Coady C, Ho-Bun Wong I. Anterior Glenohumeral Capsular Reconstruction Using a Human Acellular Dermal Allograft. *Arthrosc Tech.* 2018;7(11):e1235-e1241. **7.** Cvetanovich GL, Leroux TS, Bernardoni ED, et al. Clinical Outcomes of Arthroscopic 360° Capsular Release for Idiopathic Adhesive Capsulitis in the Lateral Decubitus Position. *Arthroscopy - Journal of Arthroscopic and Related Surgery.* 2018;34(3):764-770. **8.** Tenet Medical Engineering 2008. Design Verification Results - Spider Leg Accessory Rev A. **9.** Tenet medical Engineering 2013. Design Verification Report - Distal Thigh Holder Rev. B. **10.** Camp CL, Dines JS, Degen RM, Sinatro AL, Altchek DW. Arthroscopic Microfracture for Osteochondritis Dissecans Lesions of the Capitellum. *Arthrosc Tech.* 2016;5(3):e477-e481. **11.** Tenet Medical Engineering 2004. Design Validation Protocol: Wrist Arthroscopy Accessory 90-00-00 R1.

Ordering information

| SPIDER2 Limb Positioner | |
|----------------------------|--|
| Reference # | Description |
| 72203299 | SPIDER2 Limb Positioner (The SKU above includes the SPIDER2 Limb Positioner, Battery, Charger and Foot Pedal) |
| 72203839 | Foot Pedal |
| 72203300 | Switch Drape, case of 20 |
| 72203301 | SPIDER2 Battery Pack, 1 each |
| 72203840 | SPIDER2 Battery Charger, 1 each |
| 72200918 | SPIDER Cart, 1 each |
| 7210570 | Piggy Back Connector, 2 per box, required for all sterile procedures |
| SHOULDER | |
| Beach Chair Shoulder | |
| 7210571 | Shoulder Connection Bar, 2 units |
| Disposable Kits | |
| 7210573 | Shoulder Stabilization Kit, case of 12 |
| 72203833 | SPIDER2 Shoulder Stabilization Kit, case of 12 |
| Lateral Decubitus Shoulder | |
| 7210576 | Lateral Shoulder Connection Bar, 2 units |
| 7210577 | TENET Traction Accessory |
| 72201428 | Lateral JACK |
| Disposable Kits | |
| 7210573 | Shoulder Stabilization Kit, case of 12 |
| 72202466 | Lateral JACK Sterile Cover, case of 25 |
| KNEE | |
| Leg Accessories | |
| 72203235 | SPIDER Leg Accessory (left) |
| 72203236 | SPIDER Leg Accessory (right) |

| 72203239 | 3D SPIDER Connector, 1 required for each Leg Accessory |
|---------------------|--|
| Disposable Kits | |
| 72203238 | SPIDER Leg Stabilization Kit, case of 10 |
| Meniscal Post | |
| 72204353 | Meniscal Post |
| Distal Thigh Holder | |
| 72204133 | Distal Thigh Holder |
| Disposable Kits | |
| 72204134 | Thigh Stabilization Kit, case of 10 |
| ELBOW | |
| 7210572 | Elbow Connection Bar, 2 units |
| 7210749 | 90° Connector |
| Disposable Kits | |
| 7210574 | Elbow Stabilization Kit, case of 12 |
| WRIST | |
| 72200660 | Wrist Arthroscopy Accessory |
| 7210577 | TENET Traction Accessory |
| 72200664 | Wrist Counter Traction Post |
| Disposable Kits | |
| 72201550 | Small Wrist Stabilization Kit, case of 5 |
| 72201551 | Medium Wrist Stabilization Kit, case of 5 |
| 72201552 | Large Wrist Stabilization Kit, case of 5 |
| ANKLE | |
| 72202932 | Ankle Arthroscopy Accessory, 2 units |
| 7210577 | TENET Traction Accessory |
| 72201812 | FERKEL™ Thigh Holder |
| Disposable Kits | |
| 72202931 | Ankle Stabilization Kit, case of 6 |

Learn more at [smith-nephew.com](https://www.smith-nephew.com)