



*Moving Rehabilitation Forward™*

# TRITON

DTS®

## Solutions for the Spine



# The Challenge of Back Pain

The Mayo Clinic estimates that a staggering 80% of Americans will experience back pain at some point in their life. In fact, the cost of treating spinal dysfunction has grown to \$50 billion annually. As a result, patients, clinicians and third-party payers are now demanding less invasive, less expensive, non-pharmacological solutions to back pain.

## Manual Therapy

Hands-on traction is one of the oldest forms of physical medicine and remains widely used today. However, as the pressure of today's healthcare environment demands more treatments in less time, it becomes increasingly difficult for the clinician to deliver manual therapy treatments safely. In addition, the sheer physical strength demanded for manual traction can place many at a higher risk for job-related injuries.

## Mechanical Traction: The Need for Innovation

Though used for decades, mechanical traction remained a rather primitive modality done with the aid of a simple motorized pull unit. Though effective in some areas, these inflexible units were unable to replicate the nuanced manipulations of the clinician's gentle pulls. Although other medical equipment became digitized, computerized, modernized and user-friendly, mechanical traction's unsophisticated operating system and cumbersome belting configurations remained largely unchanged.

Until now...



**Moving Rehabilitation Forward™**

# TRITON

DTS®

... The Answer



## Chattanooga Group's Triton DTS® Traction System

is a total redesign of the mechanical traction platform in a patient-friendly package. It features a newly engineered Triton DTS Spine Therapy Table, a state-of-the-art Triton DTS Traction Unit with treatment parameters that mimic hands-on therapy, and an easy-to-use QuikWrap™ Belting System.



Saunders® Cervical



## Mechanical/Physiological Effects of Traction Therapy

### Decompression of the Spine

- Unload spine
- Decrease bulging and protruding discs
- Separate vertebrae
- Decrease Pain

### Mobilization of the Spine

- Stretch ligaments and tendons
- Mobilize the capsule, facet joints and intravertebral discs
- Increase range of motion
- Increase flexibility



Supine Traction



Prone Traction

# Benefits of Traction

## Clinical Benefits of Traction Therapy

Research points to the beneficial effects of traction because it can distract joint surfaces, reduce protrusions of nuclear discal material, stretch soft-tissue muscles and mobilize joints. These effects provide many patients with pain relief from spinal dysfunction. The stimulation of sensory mechanoreceptors that occurs with the application of traction may also gate pain transmission.

## Intended Uses for Triton DTS® Traction System

The Triton DTS Traction System can be used to relieve peripheral radiation/sciatica and pain associated with:

- Protruding discs
- Bulging discs
- Herniated discs
- Degenerative Disc Disease
- Posterior Facet Syndrome
- Acute Facet problems
- Radicular pain
- Prolapsed discs
- Spinal root impingement
- Hypomobility
- Degenerative Joint Disease
- Facet Syndrome
- Compression Fractures
- Joint Pain
- Discogenic Pain





The heart of any clinic is the patient table, and the innovative features of the Triton DTS® Spine Therapy Table set a new industry standard.

# Triton DTS® Spine Therapy Table Features

## New Pelvic Tilt Section

- Inclines the pelvis from 0° to 20°, providing improved patient comfort in prone and supine positions for both manual therapy and mechanical traction
- Flattens back without having to increase traction rope angle
- Helps address pelvic asymmetry commonly noted with patients suffering low back pain
- Provides flexion of lumbar spine to improve positioning in traction

## Improved Access to Cervical and Thoracic Spine

- Independently adjustable chest and arm sections assist in maintaining a neutral spine position for patient comfort and positioning
- Repositionable head section tilts 35°, allowing easy access to the thoracic and cervical spine
- Tuck-away adjustable grab bars for prone hanging traction without a thoracic restraint

## Patient Stabilization

- Removable axilla posts provide additional fixation to the table, preventing slippage during supine traction
- Axilla posts can be used with QuikWrap thoracic belt to secure patient with less restraint
- Axilla posts assist patient supine or prone positioning during manual therapy

## Repositionable Headpiece

- Contoured headpiece cradles the patient's head comfortably in supine or prone position
- Tilts 35°, allowing flexion in prone position or extension in supine position

## User Features

- Gas spring assist on friction-free moveable sections for easy positioning
- Lockable smooth-gliding casters
- Easily accessible controls for patient positioning
- Grab bar tucks away for improved access to the patient
- Wide cushions for improved patient comfort
- Adjustable table height from 20" – 40" (51 cm – 102 cm)

## QuikWrap™ Belting System

Gone are the days of tedious, time-consuming canvas halter and strap belting systems. The new QuikWrap Belting System ensures quick and easy patient set-up.

- Universal fit with hook and loop closures
- Non-slip design holds patient securely and allows even distribution of anterior and posterior pull forces
- Allows patient to be wrapped and set-up in under one minute, and treatment started in as little as two minutes





The award-winning Triton DTS® Traction unit is one of the most sophisticated traction devices on the market.

Triton DTS Traction Unit Features:

- Fully programmable DTS pull patterns deliver pull forces that closely mimic the hand-delivered feel clinicians provide
- Isolation of all phases of pull with independent timing for pretension, progression, traction and regression
- Variable speed control for ultimate patient comfort and increased treatment flexibility
- Programmable pretension prior to initiation of traction therapy eases guarding and provides greater comfort for the acute patient
- Five unique pull patterns add gradient, progressive range of motion and oscillations
- Clinical Protocols™ for cervical and lumbar conditions
- Memory storage for 80 user-defined protocols
- Static, intermittent and cyclic traction options
- Full-color clinical graphic library includes anatomical images, common pathologies and detailed belting technique tutorial
- Digital high resolution color touch screen interface that pivots 270°
- Patient Data Cards record relevant treatment data such as patient treatment sessions, pre- and post-treatment patient pain scales, pain mapping, and pain types

Standard Triton Features

Belting Techniques



Clinical Protocols



Pathological Library



Full Color Clinical Graphic



Enhanced Modulated DTS Pull Patterns



Intermittent w/ Max Gradient



Intermittent w/ Reverse



Progressive Range of Motion



Cyclic



Patient Data Card



Visual Rope Angle



Patient Interrupt Switch



sEMG Initiated Traction (optional)



TRITON  
DTS®



Traction systems tailored to you,  
your clinic and your patients.



Triton DTS® systems include the innovative TRT 600 treatment platform, a state-of-the-art Triton DTS traction unit, and our exclusive QuikWrap™ belting system.

The Triton DTS Advanced System, with its cervical-specific accessories, is perfectly suited for the clinician who treats a significant number of both lumbar and cervical patients, while the inherent flexibility of the Triton DTS Basic System allows clinicians to treat a wide variety of back conditions.

#### TRT DTS Advanced System

REF: 8250K

- TRT600 - Triton DTS Spine Therapy Table with Stone Blue upholstery\*
- 2841 - Triton DTS Traction Unit package
- 7040 - Saunders Cervical Traction Device
- 48039 - Traction Clevis Package
- 2825 - QuikWrap™ Belt System
- 9296 - Stabilizer™ Pressure Biofeedback
- 42901 - Traction Bolster Set

#### TRT DTS Basic System

REF: 8245K

- TRT600 - Triton DTS Spine Therapy Table with Stone Blue upholstery\*
- 2841 - Triton DTS Traction Unit package
- 2825 - QuikWrap Belt System
- 42901 - Traction Bolster Set

*\*Additional charge for non-standard upholstery color. Colors and technical specifications are shown on the following pages.*



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## Upholstery\*

NOTICE:  
Color charts are  
produced within  
the limitations of  
lithographic  
color printing and  
are intended as  
a general guide

### Naugahyde®



Black (002)



Burgundy (003)



Midnight Gray (033)



Dove (007)



Imperial Blue (001)



Stone Blue (061)



### TECHNICAL SPECIFICATIONS

#### Triton DTS Traction Unit

Traction Period:	1-99 Min, 1 Min Increments
Hold Period:	0-99 Seconds, 1 Sec Increments
Rest Period:	0-99 Seconds, 1 Sec Increments
Traction Tension:	0-200 lbs (0 kg/0 N) - (90 kg/890 N) 1 lb (1 kg/5 N) Increments
Pretension:	0-30 lbs (14 kg/133 N), 0-60 Sec
Progressive Steps:	1 Step - 9 Steps, 1 Step Increments
Regressive Steps:	1 Step - 9 Steps, 1 Step Increments
Mains Power:	100 - 240 V, 50/60 Hz
Consumption:	Power- 75 VA, Current- 3.2 Amps Max
Weight:	30 lbs (14 kg)
Dimensions:	17.5" <b>L</b> x 9.5" <b>W</b> x 17.5" <b>H</b> (45 <b>cm</b> x 24 <b>cm</b> x 45 <b>cm</b> )
Electrical Safety Class:	Class 1, Type B
Safety Tests:	Meets Directive 93/42/EEC/IEC/UL/EN 60601-1, 60601-1-2, Certified to CAN C22.2 no. 601.1-M90w/A2



#### Triton TRT-600 Spine Therapy Table

Mains Power:	120 V, 60 Hz
Power Input:	200W
Current :	3.3 Amps
Weight:	315 lbs (143 kg)
Table Dimensions:	80" <b>L</b> x 28" <b>W</b> x 40" <b>H</b> (203 <b>cm</b> x 71 <b>cm</b> x 102 <b>cm</b> )
Overall Length:	105" (267 <b>cm</b> )
Electrical Safety Class:	Class 1, Type B
Safety Tests:	Conforms to IEC/UL/EN Certified to CAN/CSA C22.2 NO. 601.1w/A2 CALTB 133



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