

PHANTOM TL™ SERIES

CONICAL SIDE-LOADING RETRACTOR SETS

CS-1400 & CS-1401



TSI

**TeDan Surgical
Innovations**

PhantomTL™ CERVICAL SET

CS-1400 & CS-1401

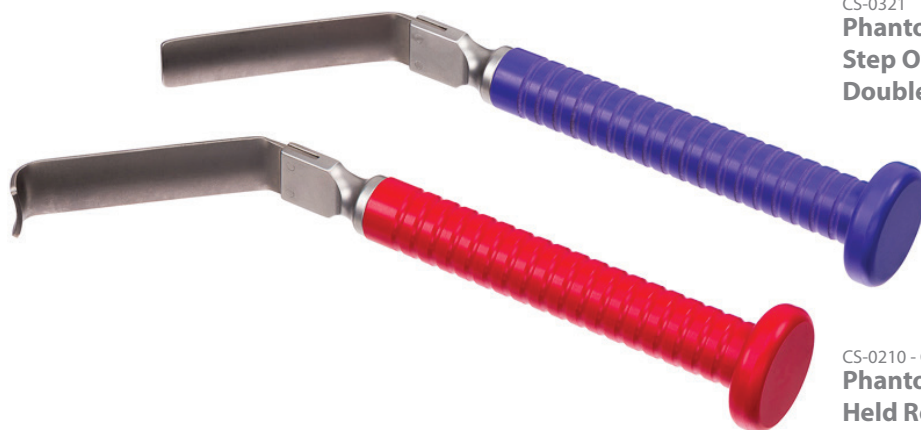
RETRACTORS

Side-Loading retractors provide an easy, yet secure attachment space for blades. TSI's conical style retractors meet the unique needs of the surgeon.



CS-0320
Phantom TL™ Transverse Retractor w/ Double Hinge

The CS-1400 system includes two retractor frames to provide up to four way retraction.



CS-0321
Phantom TL™ Transverse Step Over Retractor w/ Double Hinge

CS-0210 - CS-0223
Phantom TL™ Cervical Hand Held Retractor

RETRACTOR HANDLES

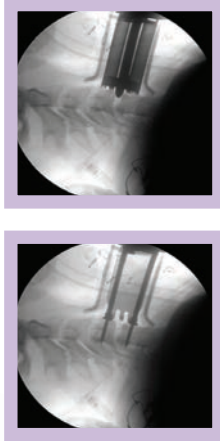
Retractor handles facilitate a quick connection to the retractor bodies. The blade handles may be used as a hand held tissue and muscle retractor with any blade. Once blades are locked into the retractor body, twist the handle counter clockwise and slide forward to disengage.



CS-0325
Phantom TL™ Side-Loading Retractor Handle
-Conical connection

TWIST DRILL & DRILL GUIDES

Drill guides penetrate cortical bone and the twist drill fits down the drill guide tube. Using the drill guide to install the distraction screws provides parallel placement between the vertebral bodies and increases the stability of the distractor body.



CS-0112
**Phantom CS™
Twist Drill**

CS-0119
**Phantom CS™
Distraction Screw
Drill Guide**

EXPERIENCE THE DIFFERENCE. EXPERIENCE INNOVATION.

Phantom TL™ Conical Side-Loading Retractor System provides exposure for ACDF procedures. Conical style retractor frames and blade options accommodate diverse patient anatomies.

RETRACTOR & PADDLE BLADES

Conical retractor blades come in a variety of lengths and widths in blunt and discectomy styles. TSI's unique paddle blades fit directly onto the distractor arms to provide maximum exposure with minimal wound opening.



CS-0250 - CS-0268
**Phantom TL™
Retractor Blades**



CS-0040C & CS-0115
**Phantom TL™ Paddle
Blades and ACF
Distractor**

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PHANTOM TL™ CONICAL SIDE-LOADING SET

CS-1400

CAT. NO.	DESCRIPTION	QTY.
CS-0040C	PHANTOM TL PADDLE BLADE 20 X 55MM, BLACK, W/CONICAL CONNECTION	2
CS-0106	PHANTOM CS COLOR-CODED DEPTH GAUGE	1
CS-0112	PHANTOM CS TWIST DRILL FOR DISTRACTION SCREW	1
CS-0114	PHANTOM CS DISTRACTION SCREW DRIVER, W/O SPRING	2
CS-0115	PHANTOM CS ACF DISTRACTOR LEFT, 120MM RACK	1
CS-0116	PHANTOM CS ACF DISTRACTOR RIGHT, 120MM RACK	1
CS-0119	PHANTOM CS UNIVERSAL DISTRACTION SCREW DRILL GUIDE, FITS ALL DISTRACTORS	1
CS-0120	PHANTOM CS CALIPER	1
CS-0121	PHANTOM CS BONE TAMP 6X10MM	1
CS-0122	PHANTOM CS BONETAMP 6X10MM WITH GUARD	1
CS-0210	PHANTOM TL CERVICAL HAND HELD RETRACTOR, 18X50MM, GREEN	1
CS-0218	PHANTOM TL CERVICAL HAND HELD RETRACTOR, 18X70MM, PURPLE	1
CS-0220	PHANTOM TL CERVICAL HAND HELD RETRACTOR, 20MM W/BIG LIP, RED	1
CS-0223	PHANTOM TL CERVICAL HAND HELD RETRACTOR, 23MM W/SMALL LIP, BLUE	1
CS-0250	PHANTOM TL LATERAL DISCECTOMY BLADE 23X30MM, SILVER W/ CONICAL CONNECTION	2
CS-0251	PHANTOM TL LATERAL DISCECTOMY BLADE 23X35MM, BLUE W/ CONICAL CONNECTION	2
CS-0252	PHANTOM TL LATERAL DISCECTOMY BLADE 23X40MM, RED W/ CONICAL CONNECTION	2
CS-0253	PHANTOM TL LATERAL DISCECTOMY BLADE 23X45MM, GREEN W/ CONICAL CONNECTION	2
CS-0254	PHANTOM TL LATERAL DISCECTOMY BLADE 23X50MM, VIOLET W/ CONICAL CONNECTION	2
CS-0255	PHANTOM TL LATERAL DISCECTOMY BLADE 23X55MM, BLACK W/ CONICAL CONNECTION	2
CS-0256	PHANTOM TL LATERAL DISCECTOMY BLADE 23X60MM, GOLD W/ CONICAL CONNECTION	2
CS-0257	PHANTOM TL LATERAL DISCECTOMY BLADE 23 x 65MM, GRAY W/ CONICAL CONNECTION	2
CS-0258	PHANTOM TL LATERAL DISCECTOMY BLADE 23X70MM, LIGHT GREEN W/CONICAL CONNECTION	2
CS-0259	PHANTOM TL BLADE BLUNT 20X30MM, SILVER W/CONICAL CONNECTION	2
CS-0260	PHANTOM TL BLADE BLUNT 20X35MM, BLUE W/CONICAL CONNECTION	2
CS-0261	PHANTOM TL BLADE BLUNT 20X40MM, RED W/CONICAL CONNECTION	2
CS-0262	PHANTOM TL BLADE BLUNT 20X45MM, GREEN W/CONICAL CONNECTION	2
CS-0263	PHANTOM TL BLADE BLUNT 20X50MM, VIOLET W/CONICAL CONNECTION	2
CS-0264	PHANTOM TL BLADE BLUNT 20X55MM, BLACK W/CONICAL CONNECTION	2
CS-0265	PHANTOM TL BLADE BLUNT 20X60MM, GOLD W/CONICAL CONNECTION	2
CS-0266	PHANTOM TL BLADE BLUNT 20X65MM, NAVY W/CONICAL CONNECTION	2
CS-0267	PHANTOM TL BLADE BLUNT 20X70MM, LIGHT GREEN W/CONICAL CONNECTION	2
CS-0268	PHANTOM TL BLADE BLUNT 20X75MM, ORANGE W/CONICAL CONNECTION	2
CS-0320	PHANTOM TL TRANSVERSE RETRACTOR FRAME, W/CONICAL CONNECTION	1
CS-0321	PHANTOM TL TRANSVERSE RETRACTOR FRAME, STEP OVER,W/CONICAL CONNECTION	1
CS-0325	PHANTOM TL SIDE-LOADING RETRACTOR BLADE HANDLE, W/CONICAL CONNECTION	2
CS-0400	PHANTOM TL STERILIZATION TRAY (FOR CS-1400 & 1401 SETS)	1

PHANTOM TL™ BASIC CONICAL SIDE-LOADING SET

CS-1401

CAT. NO.	DESCRIPTION	QTY.
CS-0210	PHANTOM TL CERVICAL HAND HELD RETRACTOR, 18X50MM, GREEN	1
CS-0218	PHANTOM TL CERVICAL HAND HELD RETRACTOR, 18X70MM, PURPLE	1
CS-0220	PHANTOM TL CERVICAL HAND HELD RETRACTOR, 20MM W/BIG LIP, RED	1
CS-0223	PHANTOM TL CERVICAL HAND HELD RETRACTOR, 23MM W/SMALL LIP, BLUE	1
CS-0250	PHANTOM TL LATERAL DISCECTOMY BLADE 23X30MM, SILVER W/ CONICAL CONNECTION	2
CS-0252	PHANTOM TL LATERAL DISCECTOMY BLADE 23X40MM, RED W/CONICAL CONNECTION	2
CS-0254	PHANTOM TL LATERAL DISCECTOMY BLADE 23X50MM, VIOLET W/ CONICAL CONNECTION	2
CS-0256	PHANTOM TL LATERAL DISCECTOMY BLADE 23X60MM, GOLD W/CONICAL CONNECTION	2
CS-0258	PHANTOM TL LATERAL DISCECTOMY BLADE 23X70MM, LIGHT GREEN W/ CONICAL CONNECTION	2
CS-0259	PHANTOM TL BLADE BLUNT 20X30MM, SILVER W/CONICAL CONNECTION	2
CS-0261	PHANTOM TL BLADE BLUNT 20X40MM, RED W/CONICAL CONNECTION	2
CS-0263	PHANTOM TL BLADE BLUNT 20X50MM, VIOLET W/CONICAL CONNECTION	2
CS-0265	PHANTOM TL BLADE BLUNT 20X60MM, GOLD W/CONICAL CONNECTION	2
CS-0267	PHANTOM TL BLADE BLUNT 20X70MM, LIGHT GREEN W/CONICAL CONNECTION	2
CS-0320	PHANTOM TL TRANSVERSE RETRACTOR FRAME, W/CONICAL CONNECTION	1
CS-0321	PHANTOM TL TRANSVERSE RETRACTOR FRAME, STEP OVER,W/CONICAL CONNECTION	1
CS-0325	PHANTOM TL SIDE-LOADING RETRACTOR BLADE HANDLE, W/CONICAL CONNECTION	2
CS-0400	PHANTOM TL STERILIZATION TRAY (FOR CS-1400 & 1401 SETS)	1



CS-1400



CS-1401