

PLAY Hard. PLAY Smart.

Knee Product Guide



 DeRoyal[®]



We are committed to providing patients with the best products to help them return to their busy lives following an injury and to improve their quality of life. Using only the highest quality raw materials in combination with our modern manufacturing techniques, we can make comfortable products that fit.

In this Knee Product Guide, you will find a complete line of knee bracing and supports to meet the most common knee indications. Many of our braces and supports are offered in neoprene and Tri-tex material options. We are known for our superior neoprene material that provides warmth, compression, support and an intimate fit. Tri-tex, our breathable alternative to neoprene, is a premium fabric that offers the highest quality and comfort. A unique three dimensional weaving technology and a high quality, specially developed yarn make up this premium spacer fabric. The material's characteristics provide elasticity, compression, shock absorption and optimal ventilation for the patient.

Covering indications from a mild sprain, to patellofemoral disorders to ligament instabilities and osteoarthritis – DeRoyal has an option for you.

Osteoarthritis/Ligament Bracing

M.4[®] OA Knee Brace

- Provides exact and effective valgus and varus pressure adjustment exerted close to the knee joint
- Physioglide[®] hinge closely mimics normal knee motion
- Patented flex bar allows transfer of force across joint removing pressure on affected compartment
- 4 point frame design provides a precise fit to eliminate migration
- Ultraflat, lightweight and low profile frame and hinge constructed of Avional[®] aluminum is 30% more rigid than other aluminum alloy technologies of the same weight
- Soft grip straps and padding are comfortable and slip resistant to prevent migration

Indications: Moderate to severe unicompartmental osteoarthritis

Size	Thigh Circumference*	Varus/Medial		Valgus/Lateral	
		Right	Left	Right	Left
X-Small	12 ¼" - 14 ½"	14501204	14501104	14502204	14502104
Small	14 ½" - 17 ¾"	14501205	14501105	14502205	14502105
Medium	17 ¾" - 20"	14501206	14501106	14502206	14502106
Large	20" - 22 ½"	14501207	14501107	14502207	14502107
X-Large	22 ½" - 25 ½"	14501208	14501108	14502208	14502108
XX-Large	25 ½" - 29"	14501209	14501109	14502209	14502109

* Measure circumference 6" above mid-patella



HCPCS Code: L1845

M.4[®] ACL Knee Brace

- Physioglide[®] hinge closely mimics normal knee motion
- 4 point frame design provides a precise fit to eliminate migration
- Ultraflat, lightweight and low profile frame and hinge constructed of Avional[®] aluminum is 30% more rigid than other aluminum alloy technologies of the same weight
- Soft grip straps and padding are comfortable and slip resistant to prevent migration

Indications: Mild to moderate ACL, PCL, MCL, LCL; Combined ligament instabilities

Size	Thigh Circumference*		
		Right	Left
X-Small	12 ¼" - 14 ½"	14510204	14510104
Small	14 ½" - 17 ¾"	14510205	14510105
Medium	17 ¾" - 20"	14510206	14510106
Large	20" - 22 ½"	14510207	14510107
X-Large	22 ½" - 25 ½"	14510208	14510108
XX-Large	25 ½" - 29"	14510209	14510109

* Measure circumference 6" above mid-patella



HCPCS Code: L1845

Ligament Bracing



HCPCS Code: L1845

Flexgard™ ACL Knee Brace

- “Genucentric” hinge design tracks the knee’s instantaneous center of motion throughout range of motion
- Full body frame is lightweight and low profile for improved patient comfort and fit
- Eight moldable contour zones to achieve an intimate fit and help prevent migration
- 0°, 5°, 10° and 15° extension stops

Indications: Mild to moderate ACL, PCL, MCL, LCL; Combined ligament instabilities

Size	Max Thigh Circumference*	Knee Circumference*	Max Calf Circumference*	Medial/Lateral*	Right	Left
Small	19 ½"	13 ½" - 14 ¾"	14"	3 ⅞" - 4 ¼"	14761205	14761105
Medium	21 ½"	14 ¾" - 16"	15 ¼"	4 ¼" - 4 ⅝"	14761206	14761106
Large	23 ½"	16" - 17 ¼"	17"	4 ⅝" - 5"	14761207	14761107
X-Large	25 ½"	17 ¼" - 18 ½"	18 ½"	5" - 5 ½"	14761208	14761108

* Measure thigh, knee and calf circumference and medial-lateral width



HCPCS Code: L1832

Warrior™ Knee Brace

- “Genucentric” hinge design tracks the knee’s instantaneous center of motion throughout range of motion
- Breathable Tri-tex material helps keep skin cool by wicking away moisture
- Darlex-lined popliteal region helps prevent material from bunching
- Two half-moon shaped buttresses can be aligned in desired position for patellar control (pull up only)
- Optional extension (0°, 5°, 10° and 15°) and flexion (0°, 25°, 45°, 75° and 100°) stops
- Extension tabs at thigh and calf accommodate circumferential variances (pull up only)
- Features pull-tabs to aid in donning

Indications: Mild to moderate ACL, PCL, MCL, LCL; Combined ligament instabilities; Patellar subluxation

Size	Measurement*	Regular Pull Up	Regular Wrap Around	Short Pull Up	Short Wrap Around
Small	15 ½" - 18"	14612005	14611005	14582005	14581005
Medium	18" - 20 ½"	14612006	14611006	14582006	14581006
Large	20 ½" - 23"	14612007	14611007	14582007	14581007
X-Large	23" - 25 ½"	14612008	14611008	14582008	14581008
XX-Large	25 ½" - 28"	14612009	14611009	14582009	14581009
XXX-Large	28" - 30 ½"	14612010	14611010	14582010	14581010

* Measure circumference 6" above mid-patella

Hypercontrol™ Knee Brace

- Tri-tex construction serves as a breathable alternative to neoprene
- Anatomical design features unique strapping system at the back of the knee to help prevent hyperextension
- Hinges provide medial and lateral support
- Dual adjustable buttresses for maximum patella stabilization (pull up only)
- Extension tabs at the thigh and calf accomodate circumferential variances (pull up only)
- Superior adjustability for patient comfort

Indications: Grade I or II collateral ligament sprain; Mild ACL/PCL sprain; Grade I varus and valgus instability

Size	Measurement*	Pull Up	Wrap Around
X-Small	13 ½" - 15 ½"	I4630004	—
Small	15 ½" - 18"	I4630005	I4910005
Medium	18" - 20 ½"	I4630006	I4910006
Large	20 ½" - 23"	I4630007	I4910007
X-Large	23" - 25 ½"	I4630008	I4910008
XX-Large	25 ½" - 28"	I4630009	I4910009
XXX-Large	28" - 30 ½"	I4630010	I4910010

* Measure circumference 6" above mid-patella



HCPCS Code: L1810

Deluxe Hinged Knee Support

- ¼" neoprene construction provides warmth, compression and support
- Medial and lateral hinges with range of motion at 0°, 15°, 30° and 45° to limit extension
- Covered hinges allow brace to be worn during contact sports
- Elastic straps above and below knee help prevent migration
- Superior felt buttress helps control patella

Indications: Grade I collateral ligament sprain; Mild ACL/PCL sprain; Grade I varus and valgus instability; Patellar subluxation; Osteoarthritis

Size	Measurement*	Product #
Small	13" - 14"	NE7722-72
Medium	14" - 15"	NE7722-73
Large	15" - 17"	NE7722-74
X-Large	17" - 18"	NE7722-75
XX-Large	18" - 20"	NE7722-76
XXX-Large	20" - 22"	NE7722-77

* Measure knee circumference below patella



HCPCS Code: L1810

Wrap Around Knee Support

- ⅛" neoprene construction provides warmth, compression and support
- Hinges provide medial and lateral support
- Wrap around design allows for easy application and removal
- Features open popliteal for comfort and breathability

Indications: Grade I or II collateral ligament sprain; Mild ACL/PCL sprain; Grade I varus and valgus instability

Size	Measurement*	Product #
X-Small	13 ½" - 15 ½"	NE7711-81
Small	15 ½" - 18"	NE7711-82
Medium	18" - 20 ½"	NE7711-83
Large	20 ½" - 23"	NE7711-84
X-Large	23" - 25 ½"	NE7711-85
XX-Large	25 ½" - 28"	NE7711-86

* Measure circumference 6" above mid-patella



HCPCS Code: L1810

Ligament/Patellofemoral Bracing



HCPCS Code: LI800

Deluxe Knee Support w/ Trimmable Buttress

- 1/8" neoprene construction provides warmth, compression and support
- Anterior strapping above and below knee helps prevent migration while medial/lateral stays provide additional stability
- Enclosed tubular buttress can be trimmed for desired patella position
- Available in open or closed popliteal

Indications: Grade I collateral ligament sprain; Patellar subluxation; Chondromalacia; Patella tendonitis; Patellofemoral tracking dysfunction; Patellar dislocation; Quadriceps tendonitis; Plica syndrome

Size	Measurement*	Closed Popliteal	Open Popliteal
X-Small	13 1/2" - 15 1/2"	NE7718-71	I4882004
Small	15 1/2" - 18"	NE7718-72	I4882005
Medium	18" - 20 1/2"	NE7718-73	I4882006
Large	20 1/2" - 23"	NE7718-74	I4882007
X-Large	23" - 25 1/2"	NE7718-75	I4882008
XX-Large	25 1/2" - 28"	NE7718-76	I4882009
XXX-Large	28" - 30 1/2"	NE7718-77	I4882010

* Measure circumference 6" above mid-patella



HCPCS Code: LI800

Fan Knee Stabilizer

- 1/8" neoprene construction provides warmth, compression and support
- Features four criss-cross elastic straps for additional patella support
- Strapping above and below knee helps prevent migration
- Medial and lateral stays provide stability
- Adjustable felt buttress and enclosed tubular buttress

Indications: Grade I collateral ligament sprain; Patellar subluxation; Chondromalacia; Patella tendonitis; Patellofemoral tracking dysfunction; Patellar dislocation; Quadriceps tendonitis; Plica syndrome

Size	Measurement*	Product #
Small	15 1/2" - 18"	NE7707-72
Medium	18" - 20 1/2"	NE7707-73
Large	20 1/2" - 23"	NE7707-74
X-Large	23" - 25 1/2"	NE7707-75
XX-Large	25 1/2" - 28"	NE7707-76

* Measure circumference 6" above mid-patella



HCPCS Code: LI800 (w/o hinges)
LI810 (w/ hinges)

Full Length Patella Stabilizer

- 1/8" neoprene construction provides warmth, compression and support
- Also available in breathable Tri-tex material
- Full-length design for maximum support and compression
- Unique strapping system pulls patella into desired position
- Horseshoe-shaped pad can be placed on medial or lateral side of patella
- Medial and lateral hinges for additional ligament support (Tri-tex only)

Indications: Medial or lateral patellar subluxation; Chondromalacia; Patellofemoral tracking dysfunction

Size	Measurement*	Neoprene Right	Neoprene Left	Tri-tex Right	Tri-tex Left
X-Small	13 1/2" - 15 1/2"	NEP779371R	NEP779371L	I4840204	I4840104
Small	15 1/2" - 18"	NEP779372R	NEP779372L	I4840205	I4840105
Medium	18" - 20 1/2"	NEP779373R	NEP779373L	I4840206	I4840106
Large	20 1/2" - 23"	NEP779374R	NEP779374L	I4840207	I4840107
X-Large	23" - 25 1/2"	NEP779375R	NEP779375L	I4840208	I4840108
XX-Large	25 1/2" - 28"	NEP779376R	NEP779376L	I4840209	I4840109

* Measure circumference 6" above mid-patella

Concise Patella Stabilizer

- 1/8" neoprene construction provides warmth, compression and support
- Also available in breathable Tri-tex material
- Low-profile design allows for increased range of motion during activity
- Unique strapping system pulls patella into desired position
- Universal right/left

Indications: Medial or lateral patellar subluxation; Chondromalacia; Patellofemoral tracking dysfunction

Size	Measurement*	Neoprene	Tri-tex
X-Small	13 1/2" - 15 1/2"	NEP7790-71	14750004
Small	15 1/2" - 18"	NEP7790-72	14750005
Medium	18" - 20 1/2"	NEP7790-73	14750006
Large	20 1/2" - 23"	NEP7790-74	14750007
X-Large	23" - 25 1/2"	NEP7790-75	14750008
XX-Large	25 1/2" - 28"	NEP7790-76	14750009

* Measure circumference 6" above mid-patella



HCPCS Code: L1825

Patella Band

- Constructed of neoprene for durability
- Unique bi-lateral strapping allows for greater control of buttress tension over patellar tendon
- Pull-up design helps promote compliance and reduce migration
- Low-profile design provides patient comfort

Indications: Patella tendonitis; Osgood-Schlatter's disease; Jumper's knee

Size	Measurement*	Product #
X-Small	11" - 12"	14640004
Small	12" - 13"	14640005
Medium	13" - 14"	14640006
Large	14" - 15"	14640007
X-Large	15" - 16"	14640008
XX-Large	16" - 17"	14640009

* Measure knee circumference below patella



Universal Knee Support

- 1/8" neoprene construction provides warmth, compression and support
- Anterior wrap around strapping above and below knee helps prevent migration
- Enclosed tubular buttress for desired patella position
- Universal adult and pediatric sizes available

Indications: Grade I collateral ligament sprain; Patellar subluxation; Chondromalacia; Patella tendonitis; Patellofemoral tracking dysfunction; Quadriceps tendonitis; Plica syndrome

Size	Measurement*	Product #
Universal	up to 25"	NE7710-70
Pediatric	up to 12"	NE7710-71

* Measure circumference 6" above mid-patella



HCPCS Code: L1825

Knee Supports



HCPCS Code: L1825

Knee Support w/ Trimmable Buttress

- 1/8" neoprene construction provides warmth, compression and support
- Enclosed tubular buttress can be trimmed for desired patella position

Indications: Grade I collateral ligament sprain; Patellar subluxation; Chondromalacia; Patella tendonitis; Patellofemoral tracking dysfunction; Quadriceps tendonitis; Plica syndrome

Size	Measurement*	Product #
X-Small	13 1/2" - 15 1/2"	NE7717-71
Small	15 1/2" - 18"	NE7717-72
Medium	18" - 20 1/2"	NE7717-73
Large	20 1/2" - 23"	NE7717-74
X-Large	23" - 25 1/2"	NE7717-75
XX-Large	25 1/2" - 28"	NE7717-76
XXX-Large	28" - 30 1/2"	NE7717-77

* Measure circumference 6" above mid-patella



HCPCS Code: L1825

Visco Elastic Knee Support

- Visco elastic construction with four way stretch for maximum compression
- Silicone buttress option features spiral stays
- Closed patella design

Indications: Grade I collateral ligament sprain; Knee sprains and strains; Osteoarthritis; Mild joint effusion; Baker's cyst; Bursitis; Pes anserinus

Size	Measurement*	w/o Buttress	w/ Buttress
X-Small	13 1/2" - 15 1/2"	14761004	14801004
Small	15 1/2" - 18"	14761005	14801005
Medium	18" - 20 1/2"	14761006	14801006
Large	20 1/2" - 23"	14761007	14801007
X-Large	23" - 25 1/2"	14761008	14801008
XX-Large	25 1/2" - 28"	14761009	14801009
XXX-Large	28" - 30 1/2"	14761010	14801010

* Measure circumference 6" above mid-patella



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Closed Patella Knee Support

- 1/8" neoprene construction provides warmth, compression and support
- Available with oval pad for additional patella protection

Indications: Grade I collateral ligament sprain; Knee sprains and strains; Osteoarthritis; Mild joint effusion; Baker's cyst; Bursitis; Pes anserinus

Size	Measurement*	w/o Pad	w/ Pad
X-Small	13 1/2" - 15 1/2"	NE7701-71	NE7701-01
Small	15 1/2" - 18"	NE7701-72	NE7701-02
Medium	18" - 20 1/2"	NE7701-73	NE7701-03
Large	20 1/2" - 23"	NE7701-74	NE7701-04
X-Large	23" - 25 1/2"	NE7701-75	NE7701-05
XX-Large	25 1/2" - 28"	NE7701-76	NE7701-06
XXX-Large	28" - 30 1/2"	NE7701-77	NE7701-07

* Measure circumference 6" above mid-patella

Open Patella Knee Support

- 1/2" neoprene construction provides warmth, compression and support
- Available with oval pad for additional patella protection
- Also available in breathable Tri-tex construction (w/o pad)
- Open patella for patient comfort

Indications: Grade I collateral ligament sprain; Knee sprains and strains; Osteoarthritis; Mild joint effusion; Baker's cyst; Bursitis; Pes anserinus

Size	Measurement*	w/o Pad	w/ Pad	Tri-tex
X-Small	13 1/2" - 15 1/2"	NE7702-71	NE7702-01	14811004
Small	15 1/2" - 18"	NE7702-72	NE7702-02	14811005
Medium	18" - 20 1/2"	NE7702-73	NE7702-03	14811006
Large	20 1/2" - 23"	NE7702-74	NE7702-04	14811007
X-Large	23" - 25 1/2"	NE7702-75	NE7702-05	14811008
XX-Large	25 1/2" - 28"	NE7702-76	NE7702-06	14811009
XXX-Large	28" - 30 1/2"	NE7702-77	NE7702-07	14811010
XXXX-Large	30 1/2" - 33"	—	NE7702-08	—

* Measure circumference 6" above mid-patella



HCPCS Code: L1825

Elastic Knee Support

- Pull up cotton elastic design
- Provides snug fit for maximum compression
- Available in closed and open patella styles

Indications: Grade I collateral ligament sprain; Knee sprains and strains; Osteoarthritis; Mild joint effusion; Baker's cyst; Bursitis; Pes anserinus

Size	Measurement*	Closed Patella	Open Patella
Small	12" - 15"	7042-01	7043-01
Medium	15" - 18"	7042-02	7043-02
Large	18" - 21"	7042-03	7043-03
X-Large	21" - 24"	7042-04	7043-04
XX-Large	24" - 27"	7042-05	7043-05

* Measure circumference 6" above mid-patella



HCPCS Code: L1825

General Leg Supports



Thigh Sleeve

- 1/8" neoprene for warmth, compression and support
- Anatomically contoured to provide compression and support during healing

Indications: Quadriceps, adductor and hamstring strains

Size	Mid Thigh Circumference	Product #
X-Small	18" - 19"	NE7734-71
Small	19" - 20"	NE7734-72
Medium	20" - 22"	NE7734-73
Large	22" - 25"	NE7734-74
X-Large	25" - 28"	NE7734-75
XX-Large	28" - 30"	NE7734-76



Groin Strap

- 1/8" neoprene for warmth, compression and support
- Cutout on medial portion of leg helps prevent irritation

Indications: Groin, proximal quadricep and adduction strains

Size	Groin Circumference	Product #
Small	19" - 20"	NE7735-72
Medium	20" - 22"	NE7735-73
Large	22" - 25"	NE7735-74
X-Large	25" - 28"	NE7735-75
XX-Large	28" - 30"	NE7735-76



Calf Sleeve

- 1/8" neoprene for warmth, compression and support
- Support adequately covers calf area for all patients
- Provides gentle compressive support to lower leg injuries

Indications: Calf (Gastrocnemius and Soleus) strains; Medial tibial stress syndrome (Shin splints); Peroneal compartment pain

Size	Calf Circumference*	Product #
X-Small	12" - 13"	NE7744-71
Small	13" - 14"	NE7744-72
Medium	14" - 15"	NE7744-73
Large	15" - 17"	NE7744-74
X-Large	17" - 18"	NE7744-75
XX-Large	18" - 20"	NE7744-76
XXX-Large	20" - 22"	NE7744-77

* Measure largest circumference of calf

Transition Knee Brace

- Drop-lock design offers easy access for pin adjustment
- Range of motion can be set in 10° increments
- Superior and inferior score zones for length adjustment
- Dial can be locked to encourage patient compliance
- Circumferential loop lock straps allow for even compression
- Trimmable softgoods available in full or cool foam options

Indications: Post-operative stabilization and rehabilitation; Post total knee replacement; Post ORIF; Fractures of the femur, tibia, fibula or patella; Ligament reconstructive procedures; Meniscal repairs; Post-fracture management

Description	Length Adjustment	Product #
Full Foam	23" - 17"	KB5000-00
Cool Foam	23" - 17"	KB5000-01
Full Foam, X-Long	26" - 20"	KB5000-02



Cool Foam

HCPCS Code: L1832

Slimline II Knee Brace

- Snap-lock hinge cover design with simple pin adjustment
- Range of motion can be set at 5°, 15°, 30°, 60° or 90° of flexion and 0°, 15°, 30°, 60° or 90° of extension
- Superior and inferior score zones for length adjustment
- Circumferential loop lock straps allow for even compression
- Trimmable softgoods available in full or cool foam options

Indications: Post-operative stabilization and rehabilitation; Post total knee replacement; Post ORIF; Fractures of the femur, tibia, fibula or patella; Ligament reconstructive procedures; Meniscal repairs; Post-fracture management

Description	Length Adjustment	Product #
Full Foam	23" - 17"	KB6000-00
Cool Foam	23" - 17"	KB6000-01



Cool Foam

HCPCS Code: L1832

Slimline Knee Brace

- Posterior offset hinge for correct anatomical fit
- Hinge can be easily adjusted in 10° degree increments of flexion and extension without tools
- Paddles allow for easy length adjustment
- Unique calf strap helps prevent migration
- Dial can be locked to encourage patient compliance

Indications: Post-operative stabilization and rehabilitation; Post total knee replacement; Post ORIF; Fractures of the femur, tibia, fibula or patella; Ligament reconstructive procedures; Meniscal repairs; Post-fracture management

Description	Length Adjustment	Product #
Telescopic Paddles	27" - 22"	KB2040-00
Fixed Paddles	22"	KB2040-10
No Paddles	21"	KB2040-40



HCPCS Code: L1832

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