

3 SOLUTIONS for
KNEE HYPEREXTENSION

CROSS™



C.H.E.C.K.™



COMBO™



1

2

3



A Functional Combination of ORTHOSES



Hyperextension Knee Orthosis



An Allard Dynamic Response AFO

Choose from any
model of:

- Ypsilon®
- ToeOFF® (*pictured*)
- BlueROCKER®



Functional and Patient Friendly Hyperextension Control Knee Orthosis

- Effective hyperextension control with or without an AFO!
- The only HYPEREXTENSION KNEE ORTHOSIS designed specifically to be worn with an Allard AFO!



What makes CROSS™ patient friendly?



Ease of Donning and Comfort

- Unique construction of the wide upper cuff keeps the orthosis open so foot and leg slide easily into the brace.
- User can easily grasp the wide cuff and pull orthosis up and adjust so patella opening is properly located over the knee.



Ultra-smooth low friction liner with no visible seams

- Provides protective "layer" between the outer material and the skin
- Helps prevent skin irritations
- Helps orthosis glide easily over the foot and up over the knee



One-Hand Donning

The unique CROSS™ donning aid, included with each CROSS™ orthosis, makes it possible for:

- Users with limited balance to don the orthosis by themselves while in the seated position.
- Users with hemiplegia or limited hand dexterity to apply with one hand.

How the Donning Aid is Used

- The donning aid is easily inserted into an opening in the posterior semi-rigid thigh cuff (location easily identified with a grey binding tape).
- When all straps are released, the orthosis is pulled on with the hyperextension strap facing front.
- Once the sleeve is pulled over the foot, the smooth fabric liner makes it easy to turn the orthosis and pull up the leg until the patella opening is properly located over the knee.



Hyperextension Knee Orthosis

SIDE VIEW



BACK VIEW



CROSS™ is intended for mild to moderate knee hyperextension due to neuromuscular diseases or other injuries. The orthosis can also be used together with Allard AFOs when knee hyperextension is present together with foot drop.



www.youtube.com/allardint

*Measurements are for guidance only,
focus on the mid-patella measurement
and try to find the range that fits best.*

Item no.	Description	Size	Circumference 15cm (6") below mid-patella	Circumference mid-patella	Circumference 15cm (6") above mid-patella
28715 0011	Knee orthosis	Small	32 - 37cm	32 - 37cm	39 - 44cm
28715 0012	Knee orthosis	Medium	36 - 41cm	36 - 41cm	43 - 48cm
28715 0013	Knee orthosis	Large	40 - 45cm	40 - 45cm	47 - 52cm
28715 0014	Knee orthosis	X-Large	44 - 49cm	44 - 49cm	51 - 57cm

Patent pending

Functional Orthotic Management...

... of hyperextension
and mild-moderate
knee instability



CHEC **C** K™

Comfortable Hyper Extension Control Knee

CHEC K™



Indications

Genu Recurvatum
Ligament Instability
Mild Varus/Valgus Instability

Reduced Force on Thigh & Tibia

Long lever arms reduce the amount of force required on the femur and tibia to control hyperextension and/or mild-moderate knee instability, making the orthosis better tolerated by the patient.

Hyperextension Control

Proximal strapping is easily adjusted to offer optimum degree of hyperextension stop based on individual patient needs.

Medial - Lateral Control

Stainless steel medial and lateral uprights are joined posteriorly to rigid horizontal cross bar and ready for orthotist to shape to fit individual anatomy for required medial-lateral control.

Migration Control

Posterior popliteal strap rests comfortably on top of the gastroc to help prevent downward migration.

Functional Suspension System

Two suspension supports, one proximal to suspend the frame on the femur and one distal to suspend the frame on the tibia, provide functional suspension system for the orthosis, while simultaneously offering soft interface between soft tissue and the orthosis.

Condylar Pads

Two condylar pads to position for close fit.

Lightweight

Just 624 gram.

Unique D-Ring Solution

Four unique D-Rings included with each brace. Mount on either side to fit patient needs.

One Size

Fits knee widths 9 - 13 cm, Length 45 cm.

Item #	Description	Color
28652	C.H.E.C.K™ Stainless Steel	Black
28651	Replacement Suspension System/Interface	Grey
28653	D-ring, Set of 4	Black



COMBO™

... The Perfect Combination

World's Leading Carbon Composite AFO Technology
with Carbon Graphite Hyperextension Knee Orthosis!

COMBO

- Anatomically Shaped Thigh Cuff
- Dual Axis Joints
- Popliteal Interface for Knee Extension Control
- Shapeable Stainless Steel Uprights
- Pre-contoured, yet Shapeable ToeOFF® or BlueROCKER® Connector



ToeOFF® or BlueROCKER®

The Original Dynamic Response Floor
Reaction Carbon Composite AFO

Custom Fabricate
a Super-Lightweight KAFO
in Your Own Facility!



Therapy, Reimbursement and Patient Friendly!

- The thigh cuff/knee control assembly is easily removed from the ToeOFF® or BlueROCKER®.
- Great for rehab programs where extension control may no longer be required as treatment progresses, eliminates the need for a prescription for a 2nd orthosis!
- Great for patient when relaxing and extension control is not required.
- Easy to don and doff
- Quick release buckles and straps

FABRICATE A CUSTOM KAFO!

(Just 5 Components + ToeOFF® or BlueROCKER®)

COMBO™

NOTE: Different sizes of the components can be combined to accommodate individual patient needs.

1 JOINTS WITH UPRIGHTS

Item No.	Size
28780 0000	One Size

2 TIBIA CONNECTOR

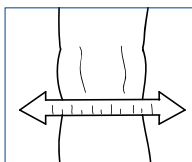
Generally, select the same size as the ToeOFF® or BlueROCKER®. However, the next smaller size will “snug” the wings of the ToeOFF® or BlueROCKER® closer to the leg for the extra small calf, and the next larger size may better accommodate a larger calf.

Item No.	Size
28784 0011	Small
28784 0012	Medium
28784 0013	Large/X-Large

3 KNEE CONTROL COMPONENT WITH POPLITEAL INTERFACE

Take a M-L (knee width) measurement.

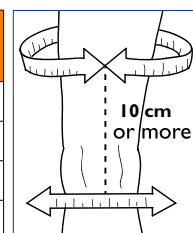
Item No.	Size	Medial-Lateral
28782 0011	Small	7 - 10,5 cm
28782 0012	Medium	9,5 - 13 cm
28782 0013	Large	12,5 - 16 cm



4 THIGH CUFF

Take a circumferential measurement at height where thigh cuff is to be located, however, make certain it is NOT LESS than 4” (10 cm) above the tibial plateau. Take a M-L measurement at same height.

Item No. Left	Item No. Right	Size	Circumference	M - L
28781 1011	28781 2011	Small	30 - 40 cm	11 - 15 cm
28781 1012	28781 2012	Medium	38 - 50 cm	13 - 17 cm
28781 1013	28781 2013	Large	48 - 60 cm	15 - 19 cm
28781 1014	28781 2014	X-Large	58 - 70 cm	17 - 21 cm



5 THIGH CUFF SOFTKIT

Same size as Thigh Cuff.

Item No.	Size
28783 0011	Small
28783 0012	Medium
28783 0013	Large
28783 0014	X-Large

WARNING

- Weight Limit: 150 kg
- Height Limit: 2m
- Use of COMBO with any product other than ToeOFF® or BlueROCKER® is prohibited
- The COMBO KAFO must be fit by or under the supervision of a Certified Orthotist.

3 SOLUTIONS for KNEE HYPEREXTENSION



CHEC**C**K™

COMBO™

Support
FOR **BETTER LIFE!**

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