

# allard<sub>NT</sub>



**Functional Combination  
Orthosis with Unique  
One - Handed Application**



**Hyperextension  
Knee Orthosis**



**An Allard Dynamic Response AFO**

Choose from any model of:

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

Patent pending



# Functional and Patient Friendly Hyperextension Knee Control Orthosis

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



Silicone band strategically placed to prevent migration

Anatomically shaped patella opening with silicone buttress

Adjustable ROM stops  
Flexion: 45°, 60°, 75°, 90°  
Extension: 10°, 20°, 30°, 40°

Self-contouring Condyle shells

Pre-flexed anatomical shape fits the contours of the leg to provide comfortable fit under the AFO



Amount of hyperextension resistance is easily adjusted with one hand

Wide lower strap prevents the rigid uprights from moving backwards as hyperextension resistance is adjusted

Anatomically shaped reinforcement stays provide guidance for user to properly align the support

# What makes CROSS™ patient friendly?



Thin, breathable, lightweight material for user 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 brace can also be used together with Allard AFOs when knee hyperextension is present together with foot drop.



[www.youtube.com  
Allard International](http://www.youtube.com/AllardInternational)

Patent pending

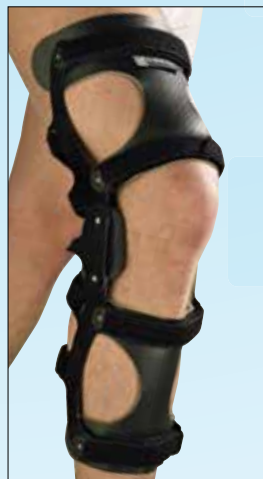
*Measurements are for guidance only,  
focus on the mid-patella measurement  
and try to find the range that fits best.*

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 (13-15")	32-37cm (13-15")	39-44cm (15¼-17¼")
28715 0012	Knee orthosis	Medium	36-41cm (14-16")	36-41cm (14-16")	43-48cm (17-19")
28715 0013	Knee orthosis	Large	40-45cm (15¾-17¾")	40-45cm (15¾-17¾")	47-52cm (18½-20½")
28715 0014	Knee orthosis	X-Large	44-49cm (17¼-19¼")	44-49cm (17¼-19¼")	51-57cm (20-22½")

To meet varying patient needs, ask about Allard's other Knee Hyperextension Control Orthoses

## C.H.E.C.K.™ Stainless Steel

When longer uprights are required to control the hyperextension.



## COMBO™ Hyperextension KAFO

When, due to deficits or size, a KAFO is required to control the hyperextension.

