

dyna-ort[®]

STOCK DAFOS

INTRODUCING OUR NEW RANGE OF PAEDIATRIC STOCK DAFOS



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Our New Range of Dynamic Ankle Foot Orthoses

The Dyna-ort® paediatric range of dynamic ankle foot orthoses has been developed by our multi-disciplinary team of Healthcare Professionals in collaboration with our long-term manufacturing partner Orliman®.

The innovative new range of DAFOS include six patented designs which have been devised to provide an off-the-shelf solution to improve foot and ankle control for children with conditions such as: excessive pronation, ankle instability, tone, toe walking and hyperextension of the knee.

The Dyna-ort® range offers an alternative option to traditional rigid ankle foot orthoses, promoting more flexible management for foot and ankle support, whilst enabling a natural biomechanical gait without being overly restrictive.

Flexible thermoplastic outer shells and unique silicone based polyethylene inner linings are utilised across the range which combine to provide optimal comfort, improved patient compliance rates and the desired structural integrity for coronal and sagittal control.

The Dyna-ort® range includes the; **Penguin** - Plantarflexion AFO (Standard and Extended), **Pelican** - Hinged AFO, **Parrot** - Open-Back AFO, **Puffin** - Supramalleolar AFO and the **Piper** - Inframalleolar Foot Orthosis. Each variant comes in left or right with 8 paediatric size options based on foot length or shoe size. The entire range is stocked in the UK and available next working day.

Introducing our innovative new range of stock dafos in association with:





A range of pre-fabricated dynamic orthoses integrating flexible thermoplastic with:

1

An inner lining in contact with the plantar surface utilising a unique & exclusive material:

- ✓ Comfortable
- ✓ Flexible
- ✓ Resistant
- ✓ Durable

2

An outer shell from the proximal edge of the metatarsal heads utilising unique material:

- ✓ Flexible
- ✓ Resistant To Impact
- ✓ Resistant To Friction

3

A strap system utilising Velcro® strap material & buckles to insert/adjust straps:

- ✓ Hold
- ✓ Adaptation
- ✓ Comfort Fitting



Penguin Plantarflexion AFO (Extended)



Features:

Two shell dynamic orthosis available in an extended design (increased lever arm for better plantarflexion control). Made from dual density materials which comprise of a 3mm silicone based polyethylene lining and a 2mm co-polymer polypropylene outer shell.


The soft internal lining extends from mid calf, encompassing the entire plantar surface of the foot whilst the rigid external shell serves to reinforce the alignment applied by the orthosis. The Velcro® D-loop system at the heel and shank prevents unwanted movement and ensures appropriate fitting of the limb into the orthosis. Anatomical pads for the toe and dorsal midfoot regions optimise comfort to the foot whilst a shinbone strap pad also alleviates contact pressure.

Benefits:

1. Optimised control for plantarflexion enabling improved foot clearance during swing phase.
2. Increased control of dorsiflexion and plantarflexion.
3. Supramalleolar containment and dorsal midfoot enclosure improving mediolateral stability.
4. Improved alignment enabling better stance and gait.
5. A cosmetic and low profile design in comparison to custom made ankle foot orthosis.
6. Soft and pressure relieving against skin.
7. Stocked in the UK and typically available next working day.

Indications For Use:

Dorsiflexion weakness in swing phase, mild hyperextension of the knee; coronal instabilities; and control for tight posterior chain plantarflexion from Cerebral palsy, neurological conditions, tight musculature, and tendon shortening. Improves gait, balance and co-ordination. Can be used for correctable toe walking gait.

PENGUIN (Extended)	AFO SIZE	Foot Length (cm)	Kids UK Shoe Size	Height (cm)	Product Code	
					Left	Right
	1	12.4	5	16.5	OP1198/L/1	OP1198/R/1
	2	13.2	6	17.4	OP1198/L/2	OP1198/R/2
	3	14	6.5	18.3	OP1198/L/3	OP1198/R/3
	4	15	8	19.2	OP1198/L/4	OP1198/R/4
	5	16	9	20.7	OP1198/L/5	OP1198/R/5
	6	17.5	10.5	22.2	OP1198/L/6	OP1198/R/6
	7	19	12	24	OP1198/L/7	OP1198/R/7
	8	21	2 (Adult)	26	OP1198/L/8	OP1198/R/8

Advisory Notice: When fitting, it is recommended to choose a size that leaves approximately 1cm of space between the end of the orthosis & the foot. UK shoe sizes will differ between manufacturers and should be used as a guide only.

Penguin Plantarflexion AFO (Standard)



Features:

Two shell dynamic orthosis available in a standard height design. Made from dual density materials which comprise of a 3mm silicone based polyethylene lining and a 2mm co-polymer polypropylene outer shell.

The soft internal lining extends from the lower calf, encompassing the entire plantar surface of the foot whilst the rigid external shell serves to reinforce the alignment applied by the orthosis. The Velcro® D-loop system at the heel and shank prevents unwanted movement and ensures appropriate fitting of the limb into the orthosis. Anatomical pads for the toe and dorsal midfoot regions optimise comfort to the foot whilst a shinbone strap pad alleviates contact pressure.


Benefits:

1. Control for plantarflexion enabling improved foot clearance during swing phase.
2. Control of dorsiflexion and plantarflexion.
3. Supramalleolar containment and dorsal midfoot enclosure improving mediolateral stability.
4. Improved alignment enabling better stance and gait.
5. A cosmetic and low profile design in comparison to custom made ankle foot orthosis.
6. Soft and pressure relieving against skin.
7. Stocked in the UK & typically available next working day.

Indications For Use:

Dorsiflexion weakness in swing phase, mild hyperextension of the knee, coronal instabilities, and control for tight posterior chain plantarflexion from Cerebral palsy, neurological conditions, tight musculature, and tendon shortening. Improves gait, balance and co-ordination. Can be used for correctable toe walking gait.



PENGUIN (Standard)	AFO SIZE	Foot Length (cm)	Kids UK Shoe Size	Height (cm)	Product Code	
					Left	Right
	1	12.4	5	12.2	OP1195/L/1	OP1195/R/1
	2	13.2	6	12.7	OP1195/L/2	OP1195/R/2
	3	14	6.5	13.5	OP1195/L/3	OP1195/R/3
	4	15	8	14.5	OP1195/L/4	OP1195/R/4
	5	16	9	15.5	OP1195/L/5	OP1195/R/5
	6	17.5	10.5	17	OP1195/L/6	OP1195/R/6
	7	19	12	18.5	OP1195/L/7	OP1195/R/7
	8	21	2 (Adult)	20.5	OP1195/L/8	OP1195/R/8

Advisory Notice: When fitting, it is recommended to choose a size that leaves approximately 1cm of space between the end of the orthosis & the foot. UK shoe sizes will differ between manufacturers and should be used as a guide only.



Pelican Hinged Plantarflexion AFO



Features:

Two shell free range of movement articulated dynamic orthosis. Made from dual density materials which comprise of a 3mm silicone based polyethylene lining and a 2mm co-polymer polypropylene outer shell.


The soft supramalleolar internal shell encompasses the entire plantar surface of the foot which extends from the proximal malleolar head to the proximal edge of the metatarsal heads, whilst the two part rigid external shell serves to reinforce the alignment applied by the orthosis. The Velcro® D-loop return straps at the heel and shank ensures appropriate prevention of unwanted movement. The free hinge articulated joint allows for dorsiflexion of the foot whilst preventing plantarflexion thanks to a posterior bump-stop. Comfort pads for the toe and dorsal midfoot regions are included with a sliding top strap pad to lessen pressures on the shin bone.

Benefits:

1. Control for plantarflexion enabling improved foot clearance during swing phase.
2. Free ankle dorsiflexion enabling optimised movement whilst navigating slopes and stairs.
3. Supramalleolar containment and dorsal midfoot enclosure improving mediolateral stability.
4. Posterior bump-stop to limit unwanted plantarflexion.
5. A cosmetic and low profile design in comparison to custom made orthosis.
6. Soft and pressure relieving against skin.
7. Stocked in the UK & typically available next working day.

Indications For Use:

Mild dorsiflexion weakness in swing phase, coronal instabilities, and control for mild posterior chain tightness from Cerebral palsy, neurological conditions, tight musculature, and tendon shortening. Improves gait, balance and co-ordination. Allow for ankle foot control when movement patterns need to be unrestricted, lessens the risk of soft tissue shortening.

PELICAN (Hinged)	AFO SIZE	Foot Length (cm)	Kids UK Shoe Size	Height (cm)	Product Code	
					Left	Right
	1	12.4	5	12.2	OP1197/L/1	OP1197/R/1
	2	13.2	6	12.7	OP1197/L/2	OP1197/R/2
	3	14	6.5	13.5	OP1197/L/3	OP1197/R/3
	4	15	8	14.5	OP1197/L/4	OP1197/R/4
	5	16	9	15.5	OP1197/L/5	OP1197/R/5
	6	17.5	10.5	17	OP1197/L/6	OP1197/R/6
	7	19	12	18.5	OP1197/L/7	OP1197/R/7
	8	21	2 (Adult)	20.5	OP1197/L/8	OP1197/R/8

Advisory Notice: When fitting, it is recommended to choose a size that leaves approximately 1cm of space between the end of the orthosis & the foot. UK shoe sizes will differ between manufacturers and should be used as a guide only.



Parrot Open-Back AFO

New Design



Features:

Two shell dynamic open backed orthosis. Made from dual density materials which comprise of a 3mm silicone based polyethylene lining and a 2mm co-polymer polypropylene outer shell.


The soft internal shell which extends from mid-calf, encompassing the entire plantar surface of the foot whilst the rigid external shell serves to reinforce the alignment applied by the orthosis. The Velcro® D-loop return heel strap ensures appropriate prevention of unwanted heel movement, whilst the trimmable elasticated ankle strap provides both posterior and anterior shank support. Comfort pads for the toe and dorsal midfoot regions are included.

Benefits:

1. Control for plantarflexion enabling improved foot clearance during swing phase.
2. Posterior cut out and adjustable ankle strap allows for increased shank inclination for a more biomechanical correct gait whilst still controlling unwanted movement.
3. Supramalleolar containment and dorsal midfoot enclosure improving mediolateral stability.
4. Open back with semi rigid ankle strapping improves stance alignment whilst enabling a controlled movement up and down slopes and stairs.
5. A cosmetic and low profile design in comparison to custom made orthosis.
6. Soft and pressure relieving against skin.
7. Stocked in the UK & typically available next working day.

Indications For Use:

Mild dorsiflexion weakness in swing phase, coronal instabilities, and control for mild posterior chain tightness from Cerebral palsy, neurological conditions, tight musculature, and tendon shortening. Improves gait, balance and co-ordination.

PARROT	AFO SIZE	Foot Length (cm)	Kids UK Shoe Size	Height (cm)	Product Code	
					Left	Right
	1	12.4	5	10.5	OP11910/L/1	OP11910/R/1
	2	13.2	6	11	OP11910/L/2	OP11910/R/2
	3	14	6.5	11.5	OP11910/L/3	OP11910/R/3
	4	15	8	12	OP11910/L/4	OP11910/R/4
	5	16	9	12.5	OP11910/L/5	OP11910/R/5
	6	17.5	10.5	13.5	OP11910/L/6	OP11910/R/6
	7	19	12	14.5	OP11910/L/7	OP11910/R/7
	8	21	2 (Adult)	15.5	OP11910/L/8	OP11910/R/8

Advisory Notice: When fitting, it is recommended to choose a size that leaves approximately 1cm of space between the end of the orthosis & the foot. UK shoe sizes will differ between manufacturers and should be used as a guide only.



Puffin Supramalleolar AFO



Features:

Supramalleolar designed dynamic ankle foot orthosis. Made from dual density materials which comprise of a 3mm silicone based polyethylene lining and a 2mm co-polymer polypropylene outer shell.

The soft supramalleolar internal shell encompasses the entire plantar surface of the foot which extends from the proximal malleolar head to the proximal edge of the metatarsal heads, whilst the rigid external shell serves to reinforce the alignment applied by the orthosis. The Velcro® D-loop return heel strap ensures appropriate prevention of unwanted heel movement. Comfort pads for the toe and dorsal midfoot regions are included.

Benefits:

1. Supramalleolar containment of the hindfoot and dorsal midfoot enclosure, improving mediolateral stability.
2. Re-alignment of the foot and ankle.
3. Stabilisation of the foot in the coronal plane with support to the ankle and medial longitudinal arch.
4. Facilitates a more natural gait.
5. A cosmetic and low profile design in comparison to custom made orthosis.
6. Soft and pressure relieving against skin.
7. Stocked in the UK & typically available next working day.

Indications For Use:

Moderate over pronation or supination of the foot through the hindfoot, subtalar joint (STJ) and tarsometatarsal joint (TMTJ). Instability in the STJ, TMTJ, and midfoot, supporting ankle instability and a low medial longitudinal arch, improving lack of co-ordination or balance.

PUFFIN	AFO SIZE	Foot Length (cm)	Kids UK Shoe Size	Height (cm)	Product Code	
					Left	Right
	1	12.4	5	10.5	OP1196/L/1	OP1196/R/1
	2	13.2	6	11	OP1196/L/2	OP1196/R/2
	3	14	6.5	11.5	OP1196/L/3	OP1196/R/3
	4	15	8	12	OP1196/L/4	OP1196/R/4
	5	16	9	12.5	OP1196/L/5	OP1196/R/5
	6	17.5	10.5	13.5	OP1196/L/6	OP1196/R/6
	7	19	12	14.5	OP1196/L/7	OP1196/R/7
	8	21	2 (Adult)	15.5	OP1196/L/8	OP1196/R/8

Advisory Notice: When fitting, it is recommended to choose a size that leaves approximately 1cm of space between the end of the orthosis & the foot. UK shoe sizes will differ between manufacturers and should be used as a guide only.



Piper Inframalleolar Foot Orthosis



Features:

Submalleolar designed foot orthosis. Made from dual density materials which comprise of a 3mm silicone based polyethylene lining and a 2mm co-polymer polypropylene outer shell.

The soft internal shell encompasses the entire plantar surface of the foot which extends from the calcaneus to the proximal edge of the metatarsal heads, whilst the rigid external shell serves to reinforce the coronal alignment of the orthosis. Adhesive Velcro® patches are placed at the instep with the option to include a layover strap if needed, helping to prevent any unneeded movement. Comfort pads for the toe and dorsal midfoot regions are included.

Benefits:

1. Deep heel cup design for optimised calcaneal control.
2. Realignment of the hindfoot and midfoot, improving mediolateral stability.
3. Stabilisation of the foot through the coronal plane and medial longitudinal arch.
4. Facilitates a more natural gait pattern.
5. A cosmetic and low profile design in comparison to custom made foot orthosis.
6. Soft and pressure relieving against skin.
7. Stocked in the UK & typically available next working day.

Indications For Use:

Mild-Moderate over pronation or supination of the foot through the hindfoot, subtalar joint (STJ) and tarsometatarsal joint (TMTJ). Instability in the STJ, TMTJ, and midfoot, supporting low medial longitudinal arch, improving lack of co-ordination or balance.

PIPER	AFO SIZE	Foot Length (cm)	Kids UK Shoe Size	Product Code	
				Left	Right
	1	12.4	5	OP1199/L/1	OP1199/R/1
	2	13.2	6	OP1199/L/2	OP1199/R/2
	3	14	6.5	OP1199/L/3	OP1199/R/3
	4	15	8	OP1199/L/4	OP1199/R/4
	5	16	9	OP1199/L/5	OP1199/R/5
	6	17.5	10.5	OP1199/L/6	OP1199/R/6
	7	19	12	OP1199/L/7	OP1199/R/7
	8	21	2 (Adult)	OP1199/L/8	OP1199/R/8

Advisory Notice: When fitting, it is recommended to choose a size that leaves approximately 1cm of space between the end of the orthosis & the foot. UK shoe sizes will differ between manufacturers and should be used as a guide only.



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Corrective Insoles

The prefabricated JuniorFIMs® were developed by a multi-disciplinary team of Podiatrists, Orthotists and Physiotherapists in specialist UK paediatric clinics. They are now widely regarded as one of the leading functional orthoses in the treatment of paediatric lower limb conditions, particularly flat feet.

The high density, deep cupped EVA inserts are specifically designed for childrens feet and during clinical trials they surpassed a 90% compliance rate. The lightweight low profile design enables accommodation in most footwear and the brightly coloured insoles available as a pair consist of one red (right foot) and one blue (left foot) to help avoid confusion, and is a good way to help children remember their right and left sides.

JuniorFIMs® are available across all infant shoe sizes and in three variants: either neutral or with a 3° or 5° medial rear foot posting. The neutral shells are non corrective but provide enhanced arch support and subtalar control from their deep heel cup design, whilst the intrinsic 3° posted variant corrects mild pronation of the feet and the 5° posted variant offers correction of moderate to severe pronation of the feet.

Indications For Use:

Reduction in lower back, hip, knee, and ankle pains/discomforts associated with mechanical malalignment resulting from overly pronated feet, flat feet, mechanical postural deficit, hyper mobility, and ligament weakness/laxity.



UK	Shoe Size	EU	Neutral Post	Product Code 3° Post	5° Post
3-4		19-20	FJ210/19-20	FJ230/19-20	FJ250/19-20
4-5		21-22	FJ210/21-22	FJ230/21-22	FJ250/21-22
6-7		23-24	FJ210/23-24	FJ230/23-24	FJ250/23-24
8-9		25-26	FJ210/25-26	FJ230/25-26	FJ250/25-26
9-10		27-28	FJ210/27-28	FJ230/27-28	FJ250/27-28
11-12		29-30	FJ210/29-30	FJ230/29-30	FJ250/29-30
12-13		31-32	FJ210/31-32	FJ230/31-32	FJ250/31-32
1-2 (Adult)		33-34	FJ210/33-34	FJ230/33-34	FJ250/33-34



Oversplint Footwear

Combining fashion with function, this canvas footwear incorporates a zipper that runs along the whole upper of the boot from tongue to toe, allowing the upper of each shoe to open completely. This unique feature allows the foot to be placed into the shoe unobstructed promoting ease of entry. This feature is also ideal for accommodating AFO's.

Wide, deep and robust, the boots come with layered inlays for further depth adjustability. They can also be used to accommodate D-AFO's, SMO's, deeper heel cupped TCI's, and ankle bracing.

Indications For Use:

Accommodation of both off-the-shelf and custom AFO, D-AFO's, SMO, TCI and ankle bracing. Accommodation of wider deeper feet where commercial footwear might be too narrow or shallow.

UK Shoe Size	Size		BLACK	Product Code DARK GREY	PINK
	EU Shoe Size				
6	23		BF/B/T6W	BF/DG/T6W	BF/P/T6W
7	24		BF/B/T7W	BF/DG/T7W	BF/P/T7W
8	25-26		BF/B/T8W	BF/DG/T8W	BF/P/T8W
9	26-27		BF/B/T9W	BF/DG/T9W	BF/P/T9W
10	28		BF/B/K10W	BF/DG/K10W	BF/P/K10W
11	29-30		BF/B/K11W	BF/DG/K11W	BF/P/K11W
12	30-31		BF/B/K12W	BF/DG/K12W	BF/P/K12W
13	32		BF/B/K13W	BF/DG/K13W	BF/P/K13W
1	33		BF/B/K1W	BF/DG/K1W	BF/P/K1W
2	34-35		BF/B/K2W	BF/DG/K2W	BF/P/K2W
3	35-36		BF/B/K3W	BF/DG/K3W	BF/P/K3W
4	37		BF/B/K4W	BF/DG/K4W	BF/P/K4W
5	38		BF/B/K5W	BF/DG/K5W	BF/P/K5W
6	39-40		BF/B/K6W	BF/DG/K6W	BF/P/K6W

Trade Price List

Please note that all pricing detailed in this Trade Price List excludes any contracted or agreed discounts. To discuss discounted prices, please contact our Customer Service Team or your dedicated Account Manager.

Page	Product Name	Brand	Unit Of Sale	Trade Price (Exc. VAT)
3	Penguin Plantarflexion AFO (Extended)		Each	£72.95
4	Penguin Plantarflexion AFO (Standard)		Each	£68.95
5	Pelican Hinged Plantarflexion AFO		Each	£74.95
6	Parrot Open-Back AFO		Each	£72.95
7	Puffin Supramalleolar AFO		Each	£69.95
8	Piper Inframalleolar Foot Orthosis		Each	£59.95
10	Corrective Insoles Neutral	JUNIORFIMs	Pair	£9.95
10	Corrective Insoles Posted	JUNIORFIMs	Pair	£14.95
11	Oversplint Footwear		Pair	£84.95



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