

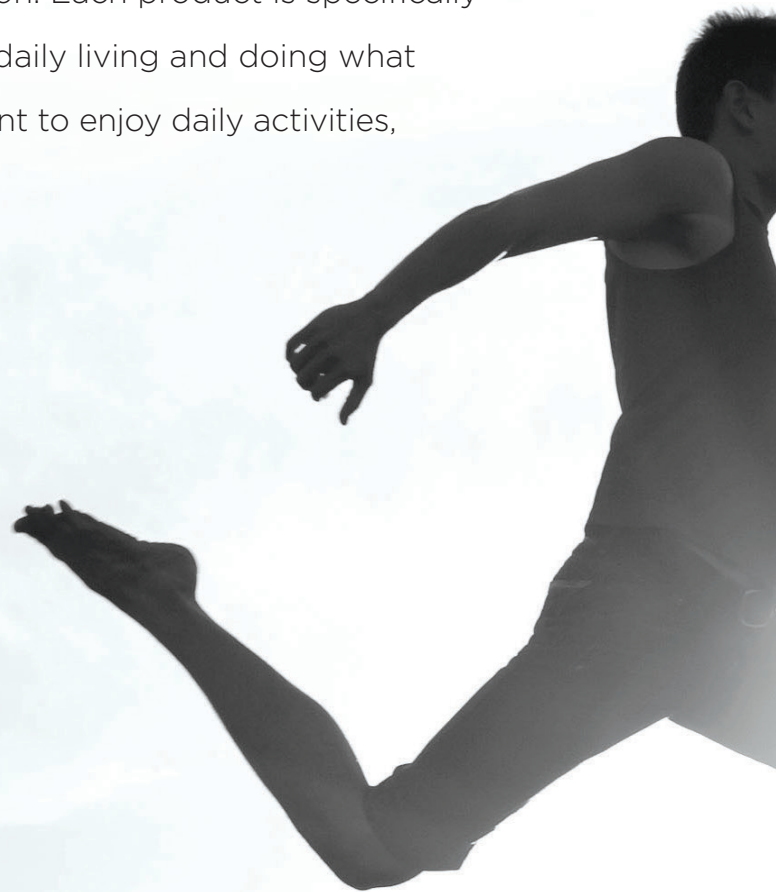
Knee

Osteoarthritis Bracing



Osteoarthritis Bracing solutions, getting patients back to doing what they love.

As the practice of health care evolves, clinicians face a great many pressures driving the need to see more patients in less time. The right set of solutions can help overcome those challenges. Breg's osteoarthritis (OA) product solutions are designed to meet your patients' needs. The broad family of products makes it remarkably easy for clinicians to deliver unique bracing options for patients with varying stages of OA. The products are tailored to provide support for medial or lateral compartmental OA, in either a single or double upright rigid frame or soft sleeve for low profile and compression. Each product is specifically designed to allow individuals to get back to their daily living and doing what they love. Whether they lead active lifestyles or want to enjoy daily activities, Breg has the right brace for your patients.



A silhouette of a person running is visible on the left side of the page, set against a background of a cloudy sky. The person is in a dynamic pose, with one leg forward and arms slightly out. The overall image has a soft, ethereal quality with a light blue and white color palette.

How do OA braces work?

In a unicompartmental osteoarthritic knee, the articular cartilage has worn down on one side of the joint. Often time this results in discomfort or pain during walking and running, which can lead to a decrease in activity. OA braces use corrective forces to help align the knee joint which may be able to reduce the discomfort that is caused by OA. Given that the symptoms of OA more often occur while weight bearing or when the leg is in extension, leveraging an OA brace that can address discomfort at this phase may be appropriate.

The “push” type of OA braces apply a gentle force to the unaffected side of the knee to help open up the joint space on the affected side. The hinge on the push brace resides on the unaffected side and can easily be adjusted to provide the optimal level of offloading. The “pull” type of OA braces will gently apply a force by pulling the affected joint open by having the hinge reside on the unaffected side. These two brace types offer different options to use with your patients.

What is Dynamic OA Bracing?

Dynamic OA braces apply a corrective force only in the last 30 degrees of extension when OA symptoms are present and the most relief is needed. The force is removed as the knee moves into flexion and symptoms are no longer present, for example while sitting or driving a car. As a result, Dynamic OA braces may be more comfortable to wear for extended periods of time.

How do I choose an OA brace for my patient?

Breg offers a wide range of OA braces that are meant to meet the needs for a varied patient population and give you the option to choose the right brace for each patient. While the clinician is in the best position to recommend a brace based upon the individual patient's need, we suggest that you consider the level of OA and the patient's daily activities to determine which Breg OA brace makes sense. Should a patient have a more active lifestyle along with higher level of OA severity, they may need a more rigid OA brace to help support their knee during their daily activities. If there is minimal or no instability along with mild-to-moderate level of OA, recommending a single upright OA brace or OA sleeve/soft brace may be more appropriate. While there are many elements that go into deciding which brace is best, you will be in the best position to recommend a brace for your patients given Breg's wide range of OA brace designs. Whatever you need, Breg has an OA option that will be right for you and your patients.



Fusion® OA Plus Fusion Lateral OA Plus Fusion Women's OA

The Fusion OA Plus knee brace provides patients with medial compartment off-loading for unicompartmental osteoarthritis. It features Breg's exclusive adjustable hinge technology, which provides an effective valgus load to the knee. The hinge utilizes Breg's thumbwheel dial design that allows patients to easily adjust the level of offloading without using a tool. Breg's ProForm technology provides an intimate, contoured fit, that keeps the brace in place all day long. Fusion OA Plus provides medial / lateral, anterior / posterior stabilization and support.

Features

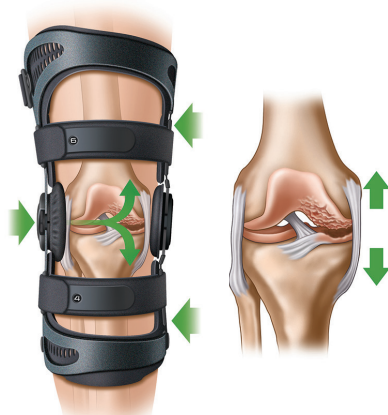
- AirTech® frame pad
- Thumbwheel dial hinge for easy off-loading
- ProForm™ technology provides a contoured fit and protection
- Low profile, lightweight, contoured design
- Enhanced comfort with foam condyle pads, cushioned straps, and frame pads for all day support

Patient Selection

- Mild to severe unicompartmental OA
- High level activities
- Associated ligament instability



Thumbwheel dial hinge makes off-loading easy



Adjustments at Your Fingertips

Exclusively on Fusion OA Plus and Freestyle OA knee braces is the innovative thumbwheel dial technology that allows precision off-loading adjustments with the touch of a finger (or thumb). This makes Fusion OA Plus and Freestyle OA braces easy to use, with “no hassle” adjustments. Competitive braces often require tools, like a screwdriver, to change hinge settings.



Improved Comfort and Fit with Airtech Innovation

Specifically designed to improve comfort and fit, Airtech is a complete system of air mesh vents and grooved channel frame pads that increase airflow throughout the brace. The system allows cool air in and moves warm air and moisture away from the skin, improving comfort. The pad technology also improves suspension, reduces pinching and helps alleviate pressure points.



DUO

A unique design, our DUO (Dynamic Unloading Osteoarthritis) brace is the only dual-upright dynamic OA brace on the market. This brace creates a load across the joint when the knee is extended and reduces the load as the knee flexes. Thus, when the patient is bearing weight, the brace is actively unloading. DUO reduces force when sitting, making it ideal for patients who need to wear a brace for daily activities.

Features

- Low-profile frame
- Dynamic unloading
- Incremental arm adjustments
- Up to 16 degrees of correction can be applied
- Unique strapping design minimizes migration

Patient Selection

- Mild to severe unicompartmental OA
- Non-impact activities
- Longterm daily wear (i.e. sitting)



Z-12[®] OA & Z-12 OA Adjustable

This dual upright design features an adjustable condyle building up to an additional 12° of correction into the brace. The Z-12 is for a patient with an active lifestyle who may need additional support from a dual upright brace due to ligament instability. The adjustable condyle will allow patients to make minor load adjustments by sliding the loading lever through seven settings. The Z-12 frame is made of magnesium—our lightest-weight OA brace.

Features

- Low-profile frame
- Adjustable condyle to increase load adjustment
- Pivoting gastroc strap design helps minimize brace migration
- Up to 12° of correction
- Prefabricated brace color is silver

Patient Selection

- Mild to severe unicompartmental OA
- Higher level activities
- Short term wear



The wraparound design makes application simple.



Freestyle™ OA

The Freestyle OA provides off-loading of the medial or lateral compartment for patients with mild to moderate unicompartmental osteoarthritis. The simple wraparound design allows patients to apply and remove the brace with ease. Comfortable, breathable material provides focused compression around the knee joint. The single-sided low profile hinge encourages patient compliance, while the innovative thumbwheel dial allows precision unloading adjustments without the use of a tool.

Features

- Lightweight, low profile brace fits under most clothing
- Soft, comfortable material promotes patient compliance
- Simple, intuitive wraparound design provides compression
- Adjustable off-loading – no tools required
- Finger pockets aid in application

Patient Selection

- Early onset unicompartmental OA
- Ease of use, donning/doffing
- Low level activities, non-contact (i.e. tennis, walking)
- No ligament instability



OA Impulse™

The soft OA Impulse knee brace is ideal for patients with mild to moderate osteoarthritis (OA) and an active lifestyle. The OA Impulse is designed to give the patient the ability to adjust the amount of OA relief by adjusting the loading hinge, as well as to provide support and compression through Breg's innovative TriTech™ material. OA Impulse is available in either push or pull technology to meet the individual patient's needs.

Features

- Front closure allows easy application and removal
- Internal cuffs distribute load over large area, eliminating pressure points that are common with unloading brace
- Designed for the active patient
- Combines Breg's proven pull technology with our revolutionary TriTech material
- Lightweight, weighing just under 14 oz¹ (.4 kg)
- Adjustable dial - no tools needed
- Not recommended for contact sports such as football, rugby, etc.

¹ the weight of a medium size brace

Patient Selection

- Early onset unicompartmental OA
- Ease of use
- Low level activities, non-contact (i.e. tennis, walking)
- Extreme valgus deformity
- No ligament instability



Solus® Plus

The Solus Plus knee brace provides support and stability for patients with medial compartmental osteoarthritis (OA). Designed for activities of daily living, Solus Plus delivers effective load dispersion to relieve the symptoms of OA. It features Breg's exclusive thumbwheel hinge technology, which provides an effective valgus load to the knee.

Features

- AirTech frame pads
- Low profile, single upright hinge for daily living activities
- Thumbwheel dial hinge makes off-loading easy
- Enhanced comfort with foam condyle pads, cushioned straps, and frame pads for all day support

Patient Selection

- Mid to severe unicompartmental OA
- Easy to contour for conical leg shape



Legacy Thruster

The Legacy Thruster is a lightweight single-upright brace with the hinge on the affected side of the knee. This design creates relief by pulling the straps to open the joint space versus pushing against the opposite side of the knee. This design addresses OA conditions only, not associated with ligament instability.

Features

- Low-profile frame
- Dial allows incremental force adjustments
- Hinge is on involved side of knee, pulling vs. pushing to help relieve the symptoms of OA
- Unloads in a 4-point load system
- Distal calf section flexes with the muscles of the leg
- Up to 22° of correction can be applied
- For mild to severe OA patients who require the brace for all-day use

Patient Selection

- Mild to severe unicompartmental OA
- Easy to contour to leg



Thruster RLF

Clinically proven to provide pain relief.² This single-upright OA brace provides the greatest amount of OA correction on the market. The unique design of the hinge allows for 36° of brace angulation. This allows the brace to unload knee joints that have excessive tissue. It can be made to unload the medial or lateral compartment of the knee.

Features

- Hinge is on involved side of knee, pulling vs. pushing to relieve joint pain
- Up to 36° degrees of correction
- Recommended for patients with redundant soft tissue
- Unloads in a 4-point load system

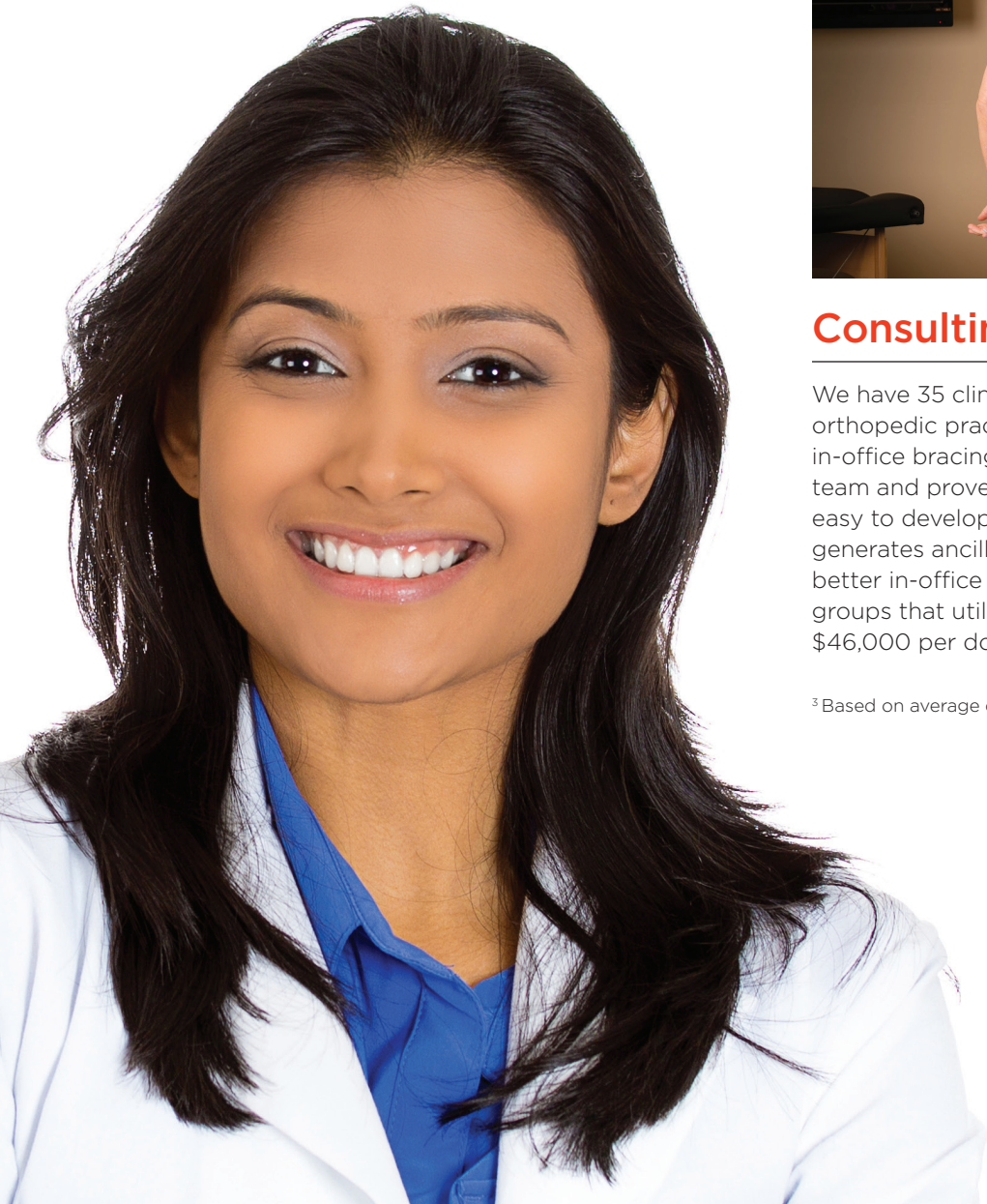
Patient Selection

- Mild to severe unicompartmental OA
- Ability to attach AFO kit

² Komistek, Richard D. Ph.D., Director, Center for Musculoskeletal Research, Nadaud, Matthew C. MD; Dennis, Douglas, A. MD; Anderle, Matthew R.; Kubo, Matthew B. "In Vivo Three Dimensional Determination of OA Brace Effectiveness: A Multiple Brace Analysis." American Academy of Orthopedic Surgeons, February 2005.

Breg's Total Solutions

Breg offers customers a full suite of interconnected products, services and programs designed to improve the quality and lower the cost of the orthopedic episode. Products like VPULSE® therapy, a device that helps patients recover at home, can directly support the Comprehensive Care for Joint Replacement (CJR) model by providing compression therapy, designed to help reduce hospital readmissions related to blood clots. The Aligner PHX™ Humeral Fracture Brace provides a non-surgical healing option, potentially saving a costly and time-consuming surgery. FastForm®, an alternative to traditional plaster casting, is a splint-cast-brace all in one that help patients heal more comfortably.



Consulting

We have 35 clinically-trained consultants who work with orthopedic practices to create customized, compliant in-office bracing and supplies programs. Our OrthoSelect® team and proven “playbook” processes make it remarkably easy to develop patient-centered care that compliantly generates ancillary revenue, controls costs and delivers a better in-office continuum of care. Mid-sized orthopedic groups that utilize OrthoSelect generate, on average, \$46,000 per doctor, per year.³

³ Based on average data collected from OrthoSelect accounts.

"The Breg team is a huge asset, they really understand the intricacies of our practice, how to make them more efficient, and how the processes of billing and insurance affect patient experience."

Andrew Holtzapfel

MS, ATC, Director, Durable Medical Equipment,
Mercy Health, Cincinnati, Ohio



Technology

Vision™, a web and mobile application, is designed specifically for the orthopedic practice. Vision manages patient workflow, letting providers automate their in-office bracing and supplies program. Vision Cloud Connect® integrates seamlessly with Electronic Health Records (EHR) and other patient management systems. It enables data "push and pull" for an efficient, streamlined workflow, eliminating duplicate entries and errors. On average, Vision Cloud Connect reduces time spent on patient data entry by about 10 minutes per patient⁴, adding up to hours of staff time saved.

⁴Based on case study of Vision customer.

"Vision continues to make my life easier both by the convenience of the handheld device, and by easing the burden of staff"

Julia Nevil

DME Program Coordinator at
Orthopedic Institute of Pennsylvania



Service

Service solutions include Breg Patient Service Centers (PSCs), located in select areas across the country, and flexible programs to streamline billing for both clinics and hospitals. BregBill and BregBill Plus make it remarkably easy for providers to improve the continuity of care and reduce the cost of providing high quality products to patients. Breg-owned inventory is placed onsite to provide on-demand, hassle-free durable medical equipment (DME) services.

Breg is well positioned to help health care providers meet the complex challenges they face. Our products, consulting, technology and services all work together seamlessly to benefit the practice and the hospital, day after day, patient after patient. Our continued success depends on our ability to keep our "why" at the forefront, delivering "remarkably easy" experiences to our customers every day.

Ordering Information

- 1. Located product model number
- 2. Y = Left 1, Right 2
- 3. XX = See size chart

Call

Toll Free Tel: 1-800-321-0607
Local: +1-760-795-5440

Thigh circumference measure 6" (15 cm) above mid-patella.
Calf circumference measure 6" (15 cm) below mid-patella.

Sizing Charts



Fusion OA Plus, Fusion Lateral OA Plus, Fusion Women's OA, and Solus Plus			
SIZE #	SIZE	6" ABOVE MID PATELLA	6" BELOW MID PATELLA
XX = 10*	XS*	13" – 15" (33 – 38 cm)	10" – 12" (25 – 30 cm)
XX = 20	S	15" – 18" (38 – 46 cm)	12" – 14" (30 – 36 cm)
XX = 30	M	18" – 19.5" (46 – 50 cm)	14" – 15" (36 – 38 cm)
XX = 35	M+	19.5" – 21" (50 – 53 cm)	15" – 16" (38 – 41 cm)
XX = 40	L	21" – 24" (53 – 61 cm)	16" – 18" (41 – 46 cm)
XX = 50	XL	24" – 27" (61 – 69 cm)	18" – 20" (46 – 51 cm)
XX = 60	XXL	27" – 30" (69 – 76 cm)	20" – 23" (51 – 58 cm)

* Solus Plus and Fusion Lateral OA are not available in XS.



DUO, OA Impulse**, Z-12 OA, Z-12 OA Adjustable, and Thruster RLF				
Size #	Size	Thigh Circumference	Standard Calf Circumference	Athletic Calf Circumference
XX = 01	XS	13.5" – 16" (34 – 41 cm)	12.5" – 14" (32 – 36 cm)	11" – 12.5" (28 – 32 cm)
XX = 03	S	16" – 18.75" (41 – 48 cm)	14" – 15.5" (36 – 39 cm)	12.5" – 14" (32 – 36 cm)
XX = 05	M	18.75" – 21.5" (48 – 55 cm)	15.5" – 17" (39 – 43 cm)	14" – 15.5" (36 – 39 cm)
XX = 07	L	21.5" – 24.25" (55 – 62 cm)	17" – 18.5" (43 – 47 cm)	15.5" – 17" (39 – 43 cm)
XX = 09	XL	24.25" – 27" (62 – 69 cm)	18.5" – 20" (47 – 51 cm)	17" – 18.5" (43 – 47 cm)
XX = 11	XXL	27" – 29.5" (69 – 75 cm)	20" – 21" (51 – 53 cm)	18.5" – 20" (47 – 51 cm)
XX = 13	3XL***	29.5" – 31" (75 – 89 cm)	21.5" – 22.75" (55 – 58 cm)	20" – 21" (51 – 53 cm)

** Athletic calf circumference not available for OA Impulse.

*** 3XL only available in Thruster RLF.



Legacy Thruster				
Size #	Size	Thigh Circumference	Standard Calf Circumference	Athletic Calf Circumference
XX = 01	XS	15" – 17.5" (38-44 cm)	12.5" – 14" (32 – 36 cm)	10.5" – 12" (27-30 cm)
XX = 03	S	17.5" – 20" (44-51 cm)	14" – 15.5" (36 – 39 cm)	12" – 13.5" (30-34 cm)
XX = 05	M	20" – 22.5" (51-57 cm)	15.5" – 17" (39 – 43 cm)	13.5" – 15" (34-38 cm)
XX = 07	L	22.5" – 25" (57-64 cm)	17" – 18.5" (43 – 47 cm)	15" – 16.5" (38-42 cm)
XX = 09	XL	25" – 27.5" (64-70 cm)	18.5" – 20" (47 – 51 cm)	16.5" – 18" (42-46 cm)
XX = 11	XXL	27.5" – 29" (70-74 cm)	20" – 21.5" (51-55 cm)	18" – 19.5" (46-50 cm)

Description	Part #
Fusion OA Plus	
Fusion OA Plus Custom	01221
Fusion OA Plus Custom Color / Pattern	01222
Fusion OA Plus, Left	130XX
Fusion OA Plus, Right	131XX
Fusion Lateral OA Plus	
Fusion Lateral OA Plus Custom	01302
Fusion Lateral OA Plus Custom Color / Pattern	01303
Fusion Lateral OA Plus, Left	077XX
Fusion Lateral OA Plus, Right	079XX
Fusion Women's OA Plus	
Fusion Women's OA Plus Custom, Argento White	01224
Fusion Women's OA Plus Custom Color / Pattern	01225
Fusion Women's OA Plus Custom	01223
Fusion Women's OA Plus, Left	138XX
Fusion Women's OA Plus, Right	139XX
DUO	
DUO Custom Short, Aluminum	ED312000
DUO Custom, Aluminum	ED112000
DUO Medial	ED112YXX--B
DUO Medial, Athletic	ED111YXX--B
DUO Medial, Short	ED312YXX--B
DUO Medial, Athletic Short	ED311YXX--B
DUO Lateral	ED114YXX--B
DUO Lateral, Athletic	ED113YXX--B
DUO Lateral, Short	ED314YXX--B
DUO Lateral, Athletic Short	ED313YXX--B
DUO Medial, Combined Instability	ED112YXX-CI
DUO Medial, Athletic Combined Instability	ED111YXX-CI
DUO Medial, Short Combined Instability	ED312YXX-CI
DUO Medial, Athletic Short Combined Instability	ED311YXX-CI
DUO Lateral, Combined Instability	ED114YXX-CI
DUO Lateral, Athletic Combined Instability	ED113YXX-CI
DUO Lateral, Short Combined Instability	ED314YXX-CI
DUO Lateral, Athletic Short Combined Instability	ED313YXX-CI

Description	Part #
Z-12 OA	
Z-12 OA, Custom, Magnesium	AZ115000
Z-12 OA Custom, Aluminum	AZ215000
Z-12 OA Custom, Extended, Magnesium	AZ115400
Z-12 OA, Custom, Extended, Aluminum	AZ215400
Z-12 Dynamic OA, Custom, Magnesium	AZ128400
Z-12 Dynamic OA, Custom, Aluminum	AZ228400
Z-12 Dynamic OA, Custom, Extended, Magnesium	AZ158400
Z-12 Dynamic OA, Custom, Extended, Aluminum	AZ258400
Z-12 OA, Medial	AZ294YXX
Z-12 OA, Lateral	AZ284YXX
Z-12 OA, Medial Athletic	AZ293YXX
Z-12 OA, Lateral Athletic	AZ283YXX
Z-12 OA Sport, Medial	AZ515YXX
Z-12 OA Sport, Lateral	AZ516YXX
Z-12 OA Sport, Medial Athletic	AZ517YXX
Z-12 OA Sport, Lateral Athletic	AZ518YXX
Z-12 Adjustable OA	
Z-12 Adjustable OA, Custom, Magnesium	AZ115000-A
Z-12 Adjustable OA, Custom, Aluminum	AZ215000-A
Z-12 Adjustable OA, Extended, Custom, Magnesium	AZ115400-A
Z-12 Adjustable OA, Extended, Custom, Aluminum	AZ215400-A
Z-12 Adjustable OA, Medial	AZ294YXX-A
Z-12 Adjustable OA, Lateral	AZ284YXX-A
Z-12 Adjustable OA, Medial Athletic	AZ293YXX-A
Z-12 Adjustable OA, Lateral Athletic	AZ283YXX-A
Z-12 Adjustable OA, Medial Extended	AZ299YXX-A
Z-12 Adjustable OA, Lateral Extended	AZ289YXX-A
Z-12 Adjustable OA, Medial Extended Athletic	AZ298YXX-A
Z-12 Adjustable OA, Lateral Extended Athletic	AZ288YXX-A
Freestyle OA	
Freestyle OA Medial, Left	1171X
Freestyle OA Medial, Right	1172X
Freestyle OA Lateral, Left	1176X
Freestyle OA Lateral, Right	1177X
Freestyle OA Condyle Pad	100338-000
Freestyle OA Thigh Extension Kit, Left	117000-100
Freestyle OA Thigh Extension Kit, Right	117000-200
Freestyle OA Calf Extension Kit, Left	117001-100
Freestyle OA Calf Extension Kit, Right	117001-200
OA Impulse	
OA Impulse, Pull Lateral	RK508YXX
OA Impulse, Pull Medial	RK509YXX
OA Impulse, Push Lateral	RK518YXX
OA Impulse, Push Medial	RK519YXX

Description	Part #
Solus Plus	
Solus Plus Custom, with Adjustable Hinge	19104
Solus Plus Custom, Color / Pattern Option with Adjustable Hinge	19105
Solus Plus, Left	184XX
Solus Plus, Left	186XX
Thruster RLF	
Thruster RLF, Custom	AG061012
Thruster RLF, Custom, Short	AG061016
Thruster RLF, Lateral	TA008YXX--B
Thruster RLF, Medial	TA009YXX--B
Thruster RLF, Lateral Short	TA018YXX--B
Thruster RLF, Medial Short	TA019YXX--B
Thruster RLF, Lateral Athletic	TA028YXX--B
Thruster RLF, Medial Athletic	TA029YXX--B
AFO Kit	TK074075
Legacy Thruster	
Legacy Thruster, Custom	TA409000
Legacy Thruster, Custom, Short	TA419000
Legacy Thruster, Lateral	TA408YXX
Legacy Thruster, Medial	TA409YXX
Legacy Thruster, Lateral Short	TA418YXX
Legacy Thruster, Medial Short	TA419YXX
Legacy Thruster, Lateral Athletic	TA428YXX
Legacy Thruster, Medial Athletic	TA429YXX
Legacy Thruster, Lateral Short Athletic	TA438YXX
Legacy Thruster, Medial Short Athletic	TA439YXX
Legacy Thruster Soft Goods Kit	
Custom	TA460000
Medial Left / Lateral Right	TA4601XX
Medial Right / Lateral Left	TA4602XX
Short, Medial Left / Lateral Right	TA4611XX
Short, Medial Right / Lateral Left	TA4612XX
Athletic, Medial Left / Lateral Right	TA4621XX
Athletic, Medial Right / Lateral Left	TA4622XX
Athletic Short, Medial Left /Lateral Right	TA4631XX
Athletic Short, Medial Right /Lateral Left	TA4632XX

Y = Left 1, Right 2
XX = See size chart

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