midsole

**DYNAMIC CUSHIONING**

BrooksDNA 
A midsole foam that provides lightning-cushioned comfort in an opportunity package. Inحرصًا على حفظ الطبيعة، نشجع القرود في الجبال من خلال الرياح الباردة، حيث تم استخدامه في مجمعات الحيوانات المفترسة.

BioMoGo DNA 
A midsole foam that provides lightning-cushioned comfort for runners’ unique stride, weight, and speed.

BioMoGo DYNAMIC CUSHIONING 
50 times faster once it hits an active, enclosed landfill. It encourages anaerobic microbes to munch away.

A midsole foam that provides long-lasting cushioning in an environmentally friendly package. A non-toxic natural additive provides support and creates a smoother transition from the midstance phase to the propulsion phase.

**FLEXIBILITY & ALIGNMENT**

Orange Boomer 
A high-density midsole that maximizes the flexibility of the midsole for an off-road ride without compromising the integrity of the midsole.

Rounded Heel 
A high-density midsole that shifts the point of force forward, aligning the center of the outsole to promote internal rotation of the body.

Segmented Guide Rail 
A tri-density post at the medial arch that is biomechanically engineered to allow for progressive shock absorbers that accommodate any foot landing to reduce internal stress on the body.

Turbo Flex 
A flexible footbed that allows the big toe to function independently and engage the body’s natural motion path of least resistance.

**SUPPORT**

Diagonal Roller (DRB) 
A high-density post at the midsole arch, engineered to provide support and create a smoother transition from the midstance phase to the propulsion phase.

Rotational Progressive Diagonal Roller (PDRB) 
An extended version of our Progressive Diagonal Roller that provides supination support.

Foot Post-Foot Rolling System 
A unique technology that provides supination support and creates smoother transitions from the propulsion phase to the midstance phase.

Proprietary Progressive Diagonal Roller (PDR/R) 
A dynamic post that shifts the point of force forward, aligning the center of the outsole to promote internal rotation of the body.

Segmented Crash Pad 
A high-density foam engineered to offer 25% more responsiveness and durability.

Shaped like a caterpillar, a system of fully integrated shock absorbers that guide the body – hips, knees, and joints – into its natural motion path of least resistance.

Guide Rails 
A tri-density post at the medial arch that is biomechanically engineered to allow for progressive shock absorbers that accommodate any foot landing to reduce internal stress on the body.

An innovative, functional shear support system that guides the body – hips, knees, and joints – into its natural motion path of least resistance.

**Outsole**

Safe Grip 
An aggressive outsole pattern to provide maximum, omnidirectional grip.

3D Flex Grooves 
A Flexible forefoot split that allows the big toe to function independently and engage the body’s natural motion path of least resistance.

**Upper**

Dynamically aligned features that set our shoes apart.
The Levitate 2 has more energy return than any leading energy return shoe. But how does it work? Science stuff.

As force is applied downward, DNA AMP absorbs the impact then “firms up” to precisely redirect the runner’s energy upward, pushing you forward. Max energy is returned to the sender with minimum delay – saving time, effort, and sometimes, sanity.

From your first step in our second-generation Levitate shoe, the DNA AMP midsole delivers a smooth, responsive foundation designed to individually adapt to your gait, weight and stride. It’s infinite energy, sold by the pair.

DNA AMP is a brand-new polyurethane (PU) cushioning system strategically engineered to provide unparalleled energy return. The PU foam naturally expands, returning energy as force is applied. Encased in a thermoplastic PU (TPU) skin that resists horizontal expansion, DNA AMP delivers energy directly back to the runner. Our most responsive cushioning.

DNA LOFT is synonymous with plushness. And cushioning this soft was hard to perfect.

We started with Brooks DNA, our proprietary polymer, to ensure the midsole adapts to every runner’s unique stride, weight and speed. Then we added rubber for longevity; ensuring the softness lasts from kilometer 1 to 1,000 without the worry of bottoming out. Then we incorporated air to keep each step ultra-light and responsive.

You’ll find DNA LOFT in our Glycerin 16, where our newly engineered 3D Fit Print mesh upper and internal stretch bootie provide softness wrapped in comfort, laced around two lucky feet.

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Your Run Signature – how your body moves on the run – is the baseline your body aligns to while on the run. For about half of all runners, the two are in sync – we call this category Neutral.

For the other half, however, their bodies deviate from that baseline once they get into stride – we call this category Support.

Don’t let “Neutral,” or “Support” fool you though. Every runner needs some kind of support. That being said, we will never try to “fix” the way you run. Because there’s no right way to run.

With the knowledge that the foot is smarter than any shoe, GuideRails are engineered to empower the foot’s natural range of motion instead of trying to outsmart it, because, well, we can’t.

Faith in the way your body wants to run is a paradigm shift, and just in time. We want to empower runners to run the way you naturally do, because it has always been in your nature to run.

THE EVOLUTION OF SUPPORT

With the knowledge that the foot is smarter than any shoe, GuideRails are engineered to empower the foot’s natural range of motion instead of trying to outsmart it, because, well, we can’t.

This coupling allows us to offer holistic alignment by stabilizing calcaneal eversion in the inner wall and limiting excess calcaneal shifting with our new outer wall.

Support Runners may rely on GuideRails all the time, while Neutral Runners may only use them when their stride falls out of place. Either way, every runner benefits from their support.

Simply put, GuideRails are the bumpers on a bowling alley and your foot is the ball. They are there when you need them and out of your way when you don’t. They work hard to reduce excess heel and shin rotation to keep your natural knee motion within a safe range, so you can run without pain or discomfort.

Faith in the way your body wants to run is a paradigm shift, and just in time. We want to empower runners to run the way you naturally do, because it has always been in your nature to run.

The key to the GuideRails support system is “coupling.” That’s the partnership between the knee and ankle. As in any great relationship, they work together as a team.