

By Brian Kirshenbaum

The idea behind this "keep it simple" program is to help you reduce your risk of overuse injury, improve running performance and make sure you have a plan to maximize your training time, whether in the gym or at home.

Note: If you have done little to no strength training up to this point, I would suggest beginning with the 6 Weeks to Stronger Running Basics program.

### **PROGRAM**

The following two workouts consist of some of my favorite strength exercises from which any runner can benefit. I hope you like them too. I suggest you perform each workout a minimum of 1 x weekly, usually best performed *after* your run on short run or speed day. I also suggest leaving at least one day between strength days and your long runs. Each exercise is hyperlinked to a video on YouTube. If you have any further questions as to how to perform these exercises or why I chose them, feel free to <u>contact me</u>.

### **DYNAMIC WARM-UP**

A proper dynamic warm-up before any workout helps stimulate blood flow, prepare your connective tissue (tendons/ligaments), and fire up your neuromuscular system for performance. After a general 5-10 minute easy jog, perform one set of 10 reps (per side when applicable) of each dynamic warm-up exercise. This should only take you about seven minutes.

- 1. Glute Bridge March
- 2. Floor Hip Twist
- 3. Rock and Reach
- 4. Kneeling Lunge
- 5. Walking Lunge or Body Weight Squat
- 6. Walking Hamstring
- 7. Side Lunge Hop
- 8. Inchworm
- 9. 3 Stance Push-Ups elevated on a bench if necessary
- 10. Jumping Jacks
- 11. Seal Jacks

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#### STRENGTH

Each workout consists of four lower body movements (push, pull, lateral & explosive), four upper body movements (working on posture with three pull and one push) and two supplemental core exercises (a plank, rotation, and/or anti-rotation).

Perform three to four sets of eight repetitions for each exercise (on each side when applicable) unless otherwise noted. While supersetting is just beyond a basic level of intensity, if you've been doing some working out over the past 6 weeks, I think you can handle it. Rest 30-45 seconds between sets/supersets before moving on to the next exercise or superset.

**Superset Example** - Perform your band front squat and single leg glute bridge back to back. Rest 30-45 seconds and repeat two more times. Then move on to your next superset of band-resisted side steps and band-resisted drop squats.

WORKOUT 1	WORKOUT 2				
Lower Body  1. Band Front Squat 2. Single Leg Glute Bridge 3. Band resisted side step 4. Band Resisted Drop Squat Upper Body 1. Rotational Row 2. Push-Ups* 3. Stability Ball Rear Shoulder Fly 4. TRX Mid-Row CORE  • Front Plank - goal 45 sec • Anti-Rotation + Tight Band Rotation -10 on each side	Lower Body**  1. Rear Foot Elevated Split Squat 2. Stability Ball Hamstring Curl 3. Skater Hop  Upper Body 1. TRX Low Row 2. TRX Chest Press 3. Band Pull-Apart 4. Straight Arm PullDown  CORE  Supine March - 8-10 each Side Plank - goal: 30 seconds				

<sup>\*</sup>Think of a push-up as a moving plank. If you can't do a proper push-up on the floor, place your hands on an elevated surface such as a bench or bar.

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\*\*Here there are only three lower body exercises because the skater hop is both lateral and explosive. Also, if you perform this workout later in the week, you'll want to be fully recovered for your long run which, I find most runners do on Saturday or Sunday.

**REGENERATION** - To be performed after every training session and or run

## **Understanding Active Isolated Stretching (AIS)**

Quite often, runners will only stretch areas that are easy to stretch, force a stretch too far on a tight muscle, or worse, not stretch at all. If we stretch a muscle too far for too long, it elicits a protective action known as the myotatic or stretch reflex, causing it to automatically fire (at about the three second mark) in an effort to protect you from over stretching. In the end, you get nowhere.

With AIS, you stretch to your natural range of motion, give a gentle assist, but for only two seconds (before that stretch reflex kicks in). Then you reset. Using this technique, the muscles exhibit a greater range of motion over the course of each set of reps.

The other key element to the AIS technique is to contract the opposing muscles to allow the muscle being stretched to relax. For example, when stretching your hamstrings, contracting your quadriceps as your raise your leg relaxes your hamstrings allowing you to get a deeper stretch. You will lie on your back, lift your leg as high as you can by using the muscles on the front of your leg, then using your stretch rope (or a yoga strap), give a gentle assist to the hamstring by lightly pulling the leg back to the point of tightness for two seconds, then reset to the start.

Each of the following exercises is hyper linked to a video showing proper form and technique. Perform 10 repetitions on each side.

Keep in mind, this is by no means an exhaustive list; however, it should give you plenty of exercises for a post run or workout routine.

If you want to really dig into AIS, I recommend The Whartons' Stretch Book.

### **AIS Movements**

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- 1. Bent Knee Calf/Hamstring
- 2. Straight Leg Hamstring
- 3. Hip Adductors (groin)
- 4. Hip Abductors
- 5. Piriformis
- 6. Quadriceps
- 7. <u>Hip Flexor</u> (This is not AIS, but my favorite static stretch to be held for 30 sec on each side one to three times each.)
- 8. Chest/Shoulders
- 9. Lats/Shoulders
- 10. Quadratus Lumborum or QL

## **Foam Rolling**

A little soft tissue work goes a long way. Here are just a few areas to foam roll from which just about any runner I have ever met can benefit:

- 1. TFL, Quad, and Hamstring Side of the IT Band
- 2. Piriformis
- 3. Gluteus Medius
- 4. Ball smash of the piriformis

Sample Training Schedule - Below are two examples as to how I have set up my own weekly schedule.

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Perform full-body strength training two times weekly. Granted, running schedules, vary so adjust your days as needed.

Mon	Tue	Wed	Thu	Fri	Sat	Sun
Speed and Strength	Run	Midweek Long Run	Run and Strength	Regenerate	Long Run	Regenerate

Alternately (my new favorite), I strength train four times weekly, performing lower body twice and upper body twice.

Mon	Tue	Wed	Thu	Fri	Sat	Sun
Speed + Lower body Strength	Upper Body Strength	Midweek Long Run	Short Run + Lower Body Strength	Upper Body Strength	Long Run	Regenerate

**FINAL NOTE ON EQUIPMENT**: All of the equipment used in this workout (bands, balls, foam roller and TRX Suspension Trainer) should be readily available in your well-equipped gym. Also some of this is available at <u>Commonwealth Running</u> in store and online. I exclusively use bands from <u>RBT</u> as they are the best in the biz! All other equipment I suggest taking a look at <u>TRX</u>, <u>Perform Better</u> or <u>Spri Products</u> so you can purchase what the pros use and train at home and while traveling, thus never having to miss a workout!

## **About the Author**

Brian Kirshenbaum spent 16 years as a Certified Strength and Conditioning Specialist, personal training and strength coaching high school, NCAA Div 1 & 3 athletes as well as assisting the NHL's Minnesota Wild and Chicago Blackhawks with their respective training camps. Now he helps the general population of runners reduce their risk of injury and improve performance. When he's not working with runners, he's likely making pizza and watching his favorite Chicago sports teams try not to suck! You can reach him at brian@commonwealthrunning.com

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