

# Exercise to Warm-up before running

There's an endless number of runners who seem perfectly able to squeeze in many hours of running every week but who just don't seem to have the time to stretch for five or ten minutes before and after. Find the time.

Sure, it's not as fun as hitting the road, and the benefits may not be as immediately obvious. But a good and consistent stretching program can save you a lot of trouble and keep you running when you might otherwise become injured. Along with training gently and choosing the right shoes, stretching is the most important thing you can do to protect your body from the rigors of the road. You'll also find that the benefits of stretching include reduced muscle soreness after running and even better athletic performance.

That said, you should be careful about how you stretch. If not done properly, stretching can actually cause injury rather than prevent it. Rule number one in stretching: do not bounce. It's a common mistake, but bouncing risks pulling or tearing the muscle you're trying to stretch and relax. Muscles must be stretched gradually. If a stretch is applied too quickly, the muscle responds with a strong contraction, increasing tension. If the stretch is applied slowly, however, this contraction reflex is avoided, muscle tension falls, and you may stretch the muscle further. The lesson here: stretch slowly and hold the stretch for 30 to 40 seconds.

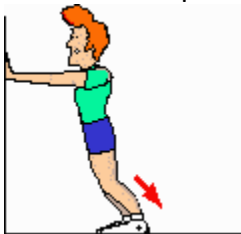
Do not stretch beyond the point where you begin to feel tightness in the muscle. Do not push through muscle resistance, and never stretch to the point of discomfort or pain.

Build stretching into your regular schedule both before and after your daily run -- it's best to do your pre-run stretching after a gentle warm-up run of five or ten minutes, since "warm" muscles stretch more easily.

For a model stretching program, try out the 12 stretches recommended below. If you must abbreviate the routine, at least do the three types of wall pushup, the hamstring stretch, the heel-to-buttock stretch, and the groin stretch.

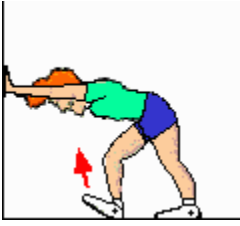
Repeat each stretch two or three times:

## 1. Wall Pushup



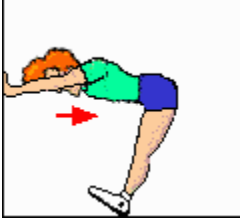
Stand about three feet from a wall, feet at shoulder width and flat on the ground. Put your hands on the wall with your arms straight for support. Lean your hips forward and bend your knees slightly to stretch your calves.

## 2. Wall Pushup



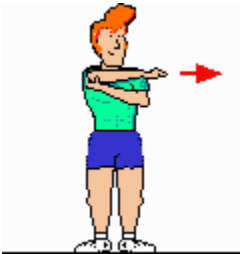
From the previous position, bend forward to lower your body to waist height. Bring one foot forward with your knee slightly bent. Lift the toes of the front foot to stretch the muscle under the calf. Stretch both legs.

## 3. Wall Pushup



Put your feet together, rocking back on your heels with your hands on the wall and your arms straight to form a jackknife with your body. This stretches your hips, shoulders, and lower back.

## 4. Back Scratch



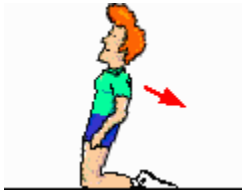
Grab your elbow with the opposite hand and gently push the elbow up and across your body until your hand reaches down to "scratch" your back. Gently push on your elbow to guide your hand down your back as far as it will comfortably go, stretching your triceps and shoulders. Stretch both arms.

## 5. Hamstring Stretch



Lie down with one leg straight up in the air, the other bent with foot flat on the ground. Loop a towel over the arch of the lifted foot, and gently pull on the towel as you push against it with your foot. Push only to the point where your muscles contract. Stretch both legs.

## 6. Quadriceps Stretch



Kneel on your knees (without resting back on your heels). Lean back with your body erect and your arms to the side. Hold for 15 seconds.

## 7. Heel To Buttock



Stand on one foot, with one hand on a wall for balance. Hold the other foot with the opposite hand and raise the heel of the lifted foot to the buttocks (or as close as comfortably possible), stretching your quadriceps. Keep your body upright throughout. Change legs and repeat.

## 8. Hip & Lower Back Stretch



Sit on the ground with your legs crossed. Lift your right leg and cross it over the left, which should remain bent. Hug the right leg to your chest and twist the trunk of your body to look over your right shoulder. Change legs and repeat (i.e. looking over your left shoulder).

## 9. Iliotibial Band Stretch



Lie on your side with both legs bent in running position. Bring the bottom leg toward your chest and then bring the top one back toward your buttocks, so that the running position of your legs is exaggerated as possible. Hold for 30 seconds then flip sides and repeat.

## 10. Hamstring & Back Stretch



Lie on your back with your knees bent. Hug your shins to your chest to stretch your hamstrings and lower back.

## 11. Bridge



Lie on your back and, with your feet flat on the ground, lift your hips up until your body forms a flat plane. Repeat this one ten times for 30 seconds each to stretch your quads and lower back.

## 12. Groin Stretch



Seated, put the soles of your feet together. With your elbows on the inside of your knees, gradually lean forward and gently press your knees toward the ground.