

Training Pace Calculator

The most important thing all runners need to know when training? What pace should I run during my workouts

The most important thing all runners need to know about their training is:
What pace should I run during my workouts?

Our Training Pace Calculator will answer this basic question for you, and suggest a number of key workouts. Because the calculator is based on scientific research derived from your input, the workout paces are individualized to your own needs. In other words, they're not impossible goal paces for Olympic champions. They're paces that should prove quite "doable" for you.

To use the Training Pace Calculator, follow these simple steps: (1) Input your time from a recent 5-K, 5-mile or 10-K, or a time that you could reasonably complete at one of these distances in your present condition; (2) Choose if you want to receive your training paces in minutes per mile, or minutes per kilometer; (3) Click on the "calculate" button; (4) Read the additional information about the training paces that are displayed.

Special Note: Please read the brief but important [Putting It All Together](#) section at the bottom of the page.

Recent race length (you can use a decimal point, i.e. 26.2):
miles

My time (hours:minutes:seconds): : :

Display my training paces in:

Your easy run training pace is:	<input type="text" value="10:15 min/mile"/>	More on easy runs
Your tempo run training pace is:	<input type="text" value="8:34 min/mile"/>	More on tempo runs
Your maximum oxygen training pace is:	<input type="text" value="7:44 min/mile"/>	More on maximum oxygen training
Your speed form training pace is:	<input type="text" value="7:09 min/mile"/>	More on speed form training
Your long run training pace is:	<input type="text" value="10:15 - 11:33 min/mi"/>	More on long runs
Your Yasso 800s training pace is:	<input type="text" value="3:57 min/800"/>	More on Yasso 800s

Easy runs

Top coaches and exercise physiologists believe that most runners should do 80 to 90 percent of their weekly training at the easy run pace (this includes your long runs, done at approximately the same pace). Easy runs build your

aerobic fitness, and your muscular and skeletal strength. They also help you burn more calories and recover for harder workouts.

Tempo runs

Tempo runs help you improve your running economy and your running form. They are often described as "hard but controlled" runs, and they will help you prepare for races of 10,000 meters to the marathon. Tempo workouts generally fall into one of two categories: steady runs of 2 to 6 miles; or long intervals with short recoveries. Here's **an example** of the latter: 4 x 1 mile at tempo run pace with 2 minutes of recovery jogging between repeats. You should do tempo runs no more than once a week, and they should make up no more than 10 to 15 percent of your total training.

Maximum-oxygen runs

Maximum-oxygen workouts help you improve your running economy and your racing sharpness. These workouts are often called "interval workouts," and are most useful when you are preparing for a race of 5000 meters to half-marathon. Here's **an example of a good maximum-oxygen workout**: 6 x 800 meters at maximum-oxygen pace with 4 to 6 minutes of recovery jogging between repeats. You should do maximum-oxygen workouts no more than once a week, and they should make up no more than 6 to 10 percent of your total training. (When you run these workouts, you are running at or near 100 percent of your maximum oxygen capacity, which scientists call max VO₂; hence the name for these runs.)

Speed-form runs

Speed-form workouts help you improve your running economy, form and leg speed. These are also interval workouts tailored to help you prepare for races of 800 meters to 5000 meters. Here's an example of **a good speed-form workout**: 8 x 400 meters at speed-form pace with 3 to 4 minutes of recovery jogging between repeats. You should do speed-form workouts no more than once a week, and they should make up no more than 4 to 8 percent of your total training.

Yasso 800s

Yasso 800s are an invention of Runner's World staffer Bart Yasso, who has run more than 50 marathons and ultramarathons. Because of their simplicity, Yasso 800s have proven popular and useful for marathoners worldwide. Basically, Bart says that if you want to run a marathon in 2:45, 3:29 or 4:11, you should train to the point where you can run 10 repeats of 800 meters in the same time? 2:45, 3:29 or 4:11. The only difference is that your marathon time is hours:minutes and your 800 time is minutes:seconds. Bart suggests doing Yasso 800s once a week as part of your marathon training. Start with perhaps 4 x 800 and build up to 10 x 800. Between the 800s, take a recovery jog that lasts as long as your 800s. (Additional hint: Yasso 800s are a great workout for any runner. Because they are "strong but controlled," they're basically a form of tempo training.) **A good Yasso 800 workout**: 6 x 800 at Yasso pace with recovery jogs between the 800s.

Long runs

Long runs form the foundation of all marathon training programs. Long runs build everything from your confidence to your discipline to your fat-burning. So, even when you're not training for a specific marathon, it's a good idea to do at least one semi-long run a week. Because long runs are done at a relaxed pace, there's great latitude in how fast you actually run. In general, we believe that slower is better than faster. Let your long runs be your slow runs, and save your legs for other days of the week when you might do tempo runs or maximum-oxygen runs. But there are a thousand theories about how to do long runs, none of which have yet been proven superior to the others. The important thing is building up the distance and training your body to keep going for 3, 4, 5 or however many hours it's going to take you.

Putting it all together

Just because there are lots of different workouts doesn't mean that you should do them all every week. Just the opposite in fact. Please consider the following.

Hard days

We recommend that most beginning and intermediate runners do just two hard days a week. More advanced runners can do three hard days if they're very careful. Each of the following is a hard day workout: tempo runs, maximum-oxygen runs, speed-form workouts, Yasso 800s, long runs.

Hard days/Easy days

A hard day workout should usually be followed by one or (even better) two easy day workouts. easy days can of course include rest days and cross-training days.

Rest days

Most beginning and intermediate runners should run 4 to 6 days a week. We recommend one or two rest days, when you do no training at all (or just take a relaxed 30-minute walk) and one or two cross-training days.

Cross-training days

With the boom in triathlons and exotic fitness equipment, the world of cross-training has expanded dramatically in recent years. While research indicates that cross-training probably won't make you a faster runner, we believe it can make you a stronger and healthier and less injury-prone runner. We believe that runners do best with cross-training exercises that are non-weight-bearing. This includes swimming and aqua-running, strength-training, bicycling and rowing. We also like non-impact exercises, which include nordic skiing, elliptical training and step climbing.