For each exercise, perform two sets of eight reps, with 60 seconds' rest between sets



SQUAT JUMPS With feet shoulderwidth apart, lower into a squat, keeping your thighs higher than your knees. Jump up and land with your legs slightly bent, then lower back into a squat.

JUMP-STAR

Plyometrics can set you up for a

top-class run



SCISSOR JUMPS Start with one foot in front of you and the other behind you; jump with power and land with your feet in the opposite positions.



## DOUBLE-LEG BOUNDS

Start with your feet about shoulder-width apart; jump forward as far as you can with both legs together. Aim for a controlled landing with each bound.



WHEN SPACE AND TIME ARE TIGHT, it's terribly tempting

explosive exercises in which muscles exert maximum

force in short intervals of time - for example jumps,

lunges and squats - can increase running economy

(RE) in recreational runners. The study analysed

to neglect your warm-up before you start your run.

However, recent research published in the journal

Frontiers of Physiology suggests that plyometrics,

## SKIP REPLACEMENT

BOOST YOUR ECONOMY

A plyometric warm-up will get your engine purring

Craving a cardio workout but you can't get out and run or ride? Reach for a skipping rope. Research shows that just 10 minutes of skipping can boost cardiovascular fitness as much as 30 mins of running. This bluetooth-enabled rope, the Smart Rope Rookie (£49.95, apple.com), uses sensors in the handles to track your skipping count and calories. It also offers intervaltraining recommendations.



different speeds after they had performed a

plyometric, resistance or running-only warm-up.

After each trial, participants rested for 48 hours.

Over all four speeds, the results showed a lower

VO2 in participants who had performed plyometric

exercises, which means they were consuming less

oxygen and energy while they ran. To boost your

running economy on your next run, try these

plyometric warm-up exercises (see right).

A moderate volume of plyometric jumping reps (60 per session) is better than a high volume (120).<sup>1</sup>