

Acceleration Increase in rate of speed, i.e. acceleration building up to to 95% SP_{max}.

- Act. Rec. Recovery training mainly involves non-weight bearing exercises (e.g. cycling, gliding/stepping, rowing), very easy training (50-70% HR_{max}).
- Agility Agility training consists of short sharp sprints and of maximal effort. However, changes of direction are incorporated into the exercises. Thus training the ability to accelerate, decelerate, change direction and then accelerate away again. Work to rest ratio of 1:10, easy to moderate training.
- **Body fat%** The amount of body fat expressed relative to the body mass.
- **BPM** Beats per minute represent an indication of the workload.
- COD Changes of direction
- **Ext. Speed** On these sessions, the work:rest ratio falls between that of conventional speed and speed endurance training sessions, i.e., 1:7. Thus the demands of these sessions are greater than normal speed sessions due to shorter recovery periods and also longer distance of sprints.
- **GPS** Global Positioning System that provides the following parameters: duration, total distance covered, average speed (distance in metres divided by training duration in mins), high speed distance (total distance covered above 5.5 m/s), high acceleration efforts (above 3 m/s²), high deceleration efforts (above -3 m/s²), referee load
- **High Int.** High intensity running pace should be a 'tempo run' or a $\frac{3}{4}$ pace of a maximal run (± 18 km/h or 86-93% HR_{max}), hard to very hard run.
- **HR**_{max} Heart rate maximal is used as the reference to express the workload.
- **% HR**_{max} Workload expressed as percentage of the maximal heart rate.
- **% SP**_{max} Running speed is expressed as a percentage of the maximal speed.
- Lap Number of laps to be performed around the track or around the field.
- **Low Int.** Low intensity running (60-75% HR_{max}) for the purpose of improving aerobic capacity and recovery, easy to comfortable run, \pm 12 km/h.
- **Max. Effort** Maximal speed running (>93% HR_{max}) for the purpose of improving speed and/or speed endurance, maximal run.
- **Medium Int.** Medium intensity running (76-85% HR_{max}) for the purpose of improving aerobic capacity and basic speed, uncomfortable to stressful run, <u>+</u> 15 km/h.
- **Min (')** Total duration of a particular exercise given in minutes.
- **Pass. Rec.** Passive recovery (< 65% HR_{max}) in the form of either complete rest, massage, sauna/jacuzzi or stretching, very easy.
- **Rep.** Number of repetitions to be performed within 1 set.



- **RPE** Ratings of perceived exertion, expressed on a scale from 0 to 10.
- **RPI** Ratings of perceived intensity, expressed on a scale from 0 to 10.
- **RSA** Repeated sprint ability.
- **Sec (")** Total duration of a particular exercise in seconds.
- **Set** Number of sets to be performed of a particular exercise. Normally made up of a particular number of laps or repetitions.
- **Speed** 100% top speed, followed by full recovery.
- **Sp. End. P** Speed endurance production training (100% SP_{max}), maximal, incomplete recovery (1:10), very hard run, <u>+</u> 21 km/h.
- **Sp. End. M** Speed endurance maintenance training (> 95% SP_{max}), almost maximal, incomplete recovery (1:3), very hard run, \pm 21 km/h.
- **Sprints** Maximal speed run over a limited distance.
- **Strength** Use of weights or resistance exercises to build power and strength.
- **Tempo run** Typical run during which the running speed needs to be maintained.

Visual inputs Number of individual pieces of information a referee needs to process in a match.

- **Yo-Yo** Intermittent recovery test, level 1: fitness test produced by Jens Bangsbo.
- **Yo-Yo dyn.** Dynamic version of the Yo-Yo along the wide diagonal line using the same beeps.
- Yo-Yo 15:8 Yo-Yo submaximal exercise test until level 15:8 (usually part of the warm-up).
- Yo-Yo 18:2 Yo-Yo submaximal exercise test (the target for UEFA winter & summer courses).