



Warm-up exercises with ball





What are the benefits of a warm up?

Performance may be improved, as an appropriate warm up will result in an:

- Increased speed of contraction and relaxation of warmed muscles
- Dynamic exercises reduce muscle stiffness
- Greater economy of movement because of lowered viscous resistance within warmed muscles
- Facilitated oxygen utilization by warmed muscles because hemoglobin releases oxygen more readily at higher muscle temperatures
- Facilitated nerve transmission and muscle metabolism at higher temperatures; a specific warm up can facilitate motor unit recruitment required in subsequent all out activity
- Increased blood flow through active tissues as local vascular beds dilate, increasing metabolism and muscle temperatures
- Allows the heart rate to get to a workable rate for beginning exercise
- Mentally focused on the training or competition
- Main part of the training should start as soon as possible after the end of the warm up to gain the full rewards of the warm up





Warm-up drills

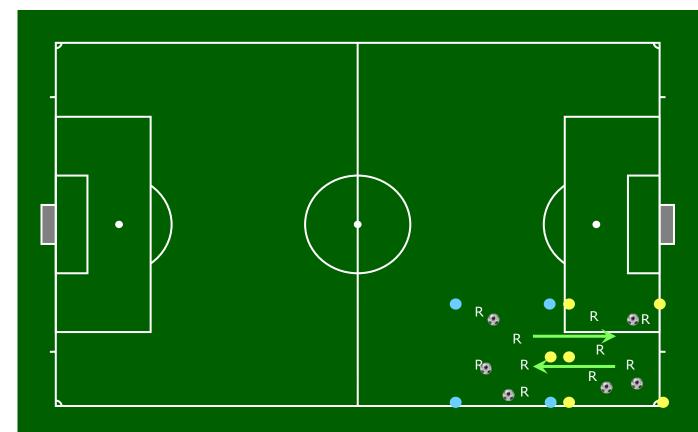
- jogging with arm movements
- shoulders / arms together backwards & forward
- shoulders / arms alternatively backwards & forward
- heel lifts
- knee lifts (medium and high)
- backwards running (while turning head left & right)
- shuffles (forward and backward)
- sideways left & right
- lambada left & right
- grapevine
- tripling (small steps on the forefeet)
- circling of the legs (move forwards)
- straight fore-ward accelerating (2x)
- sideways running, followed by fore-ward accelerating (2x)
- backward running, followed by fore-ward accelerating (2x)
- fore-ward running, followed by acceleration in opposite direction (2x)

dynamic strechting exercises

adductor hamstrings quadriceps splint muscles







Warm-up drills

Walking

Jogging

Knee lifts

Heel lifts

Shoulders back- and forwards Sideways running left and right

Lambada

Backward running

Circling

Fast feet (trippling)

Acceleration out - jogging in

Sideways out - acceleration in Backwards out - acceleration in

Accelerations with the ball

Total duration

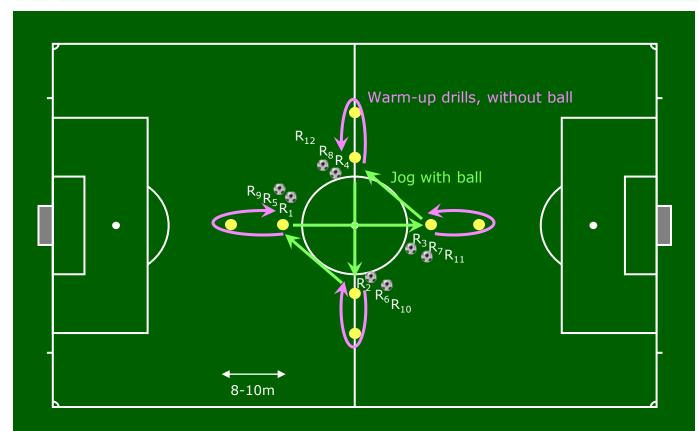
20-30 min

Basic organization: 2 squares and 3 balls in each square

Instruction: (1) Match officials jog around in the square and throw the ball to each other. (2) After throwing the ball, they carry out a warm-up drill. (3) After throwing the ball, they go the other square, the 3 balls should stay in the square







Warm-up drills

Walking

Jogging

Knee lifts

Heel lifts

Shoulders back- and forwards Sideways running left and right

Lambada

Backward running

Circling

Fast feet (trippling)

Acceleration out - jogging in

Sideways out - acceleration in

Backwards out - acceleration in

Accelerations with the ball

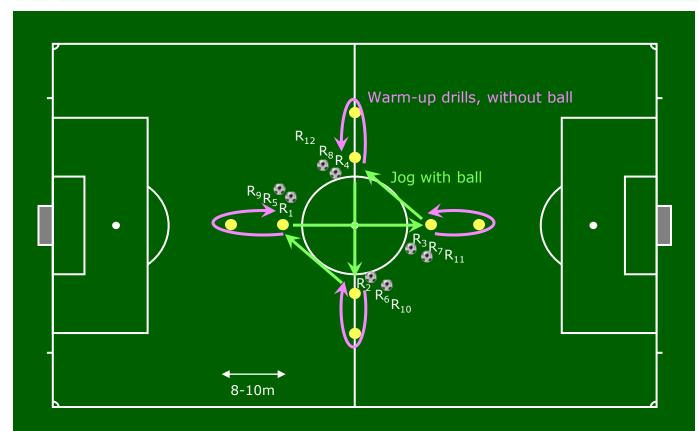
Total duration 20-30 min

Basic organization: 4 groups of 4 referees with 3 of these 4 referees carrying a ball.

Instruction: Referees R_1 to R_4 start at the same time and carry the ball to the next group as indicated on the picture (in a figure 8). When these referees are in the middle of the square, referees R_5 to R_8 start jogging with the ball. When referees R_1 to R_4 arrive at the next group, they pass the ball to referees R_9 to R_{12} and make a loop around the cone by doing some warming-up drills. Afterwards these referees receive the ball of referees R_5 to R_8 . The warm-up is always followed by dynamic stretching exercises.







Warm-up drills

Walking

Jogging

Knee lifts

Heel lifts

Shoulders back- and forwards Sideways running left and right

Lambada

Backward running

Circling

Fast feet (trippling)

Acceleration out - jogging in

Sideways out - acceleration in

Backwards out - acceleration in

Accelerations with the ball

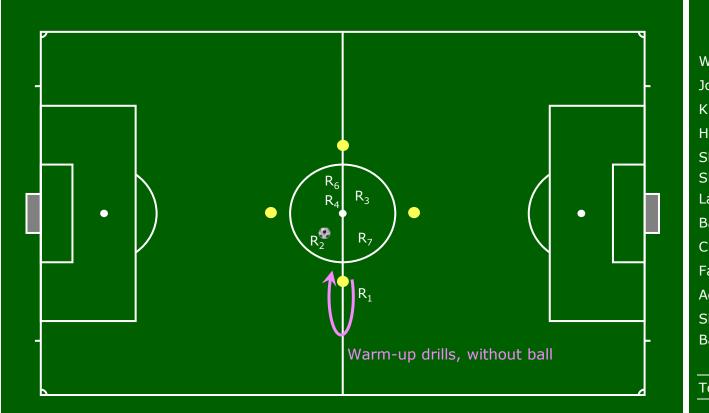
Total duration 20-30 min

Basic organization: 4 groups of 4 referees with 3 of these 4 referees carrying a ball.

Instruction: Referees R_1 to R_4 start at the same time and carry the ball to the next group as indicated on the picture (in a figure 8). When these referees are in the middle of the square, referees R_5 to R_8 start jogging with the ball. When referees R_1 to R_4 arrive at the next group, they pass the ball to referees R_9 to R_{12} and make a loop around the cone by doing some warming-up drills. Afterwards these referees receive the ball of referees R_5 to R_8 . The warm-up is always followed by dynamic stretching exercises.







Warm-up drills

Walking

Jogging

Knee lifts

Heel lifts

Shoulders back- and forwards Sideways running left and right

Lambada

Backward running

Circling

Fast feet (trippling)

Acceleration out - jogging in

Sideways out - acceleration in

Backwards out - acceleration in

Total duration

20-30 min

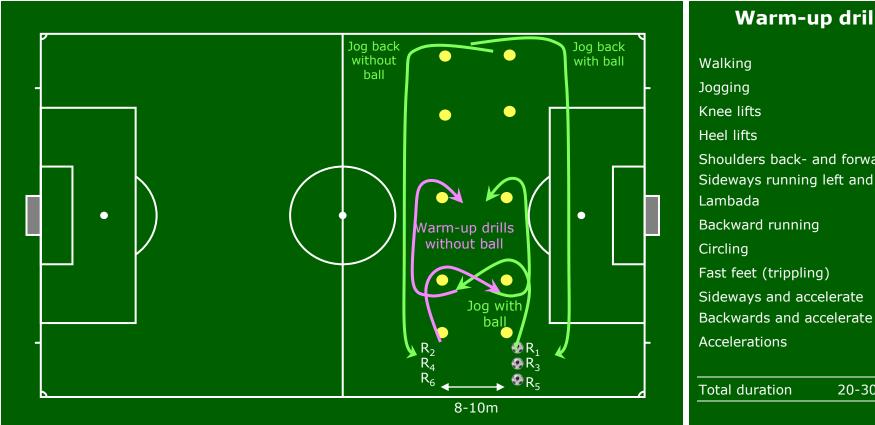
Basic organization: 2 groups from 6 to 8 referees, 1 ball for each group.

Instruction: The ball is thrown from one to the other referee in a fixed order. After the ball is thrown to the next referee, they have to run to an outside cone while performing warm-up drills.

The warm-up is always followed by dynamic stretching exercises.







Warm-up drills

Shoulders back- and forwards Sideways running left and right

Sideways and accelerate

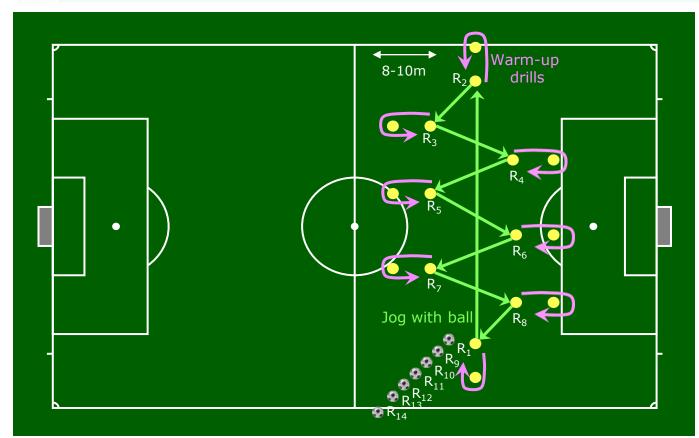
20-30 min

Basic organization: the referees work 2 by 2 with 1 of the 2 referees carrying a ball.

Instruction: Referees R₁ and R₂ start at the same time and R₁ carries the ball. Both referees follow the trajectory as indicated on the picture. R_1 jogs with the ball and R_2 does some warm-up drills. When the referees cross in the middle of the square, R_1 passes the ball to referee R_2 . Then R_1 does the warm-up drills while R_2 is jogging while carrying the ball. The warm-up is always followed by dynamic stretching exercises.







Warm-up drills

Walking

Jogging

Knee lifts

Heel lifts

Shoulders back- and forwards Sideways running left and right

Lambada

Backward running

Circling

Fast feet (trippling)

Acceleration out - jogging in

Sideways out - acceleration in

Backwards out - acceleration in

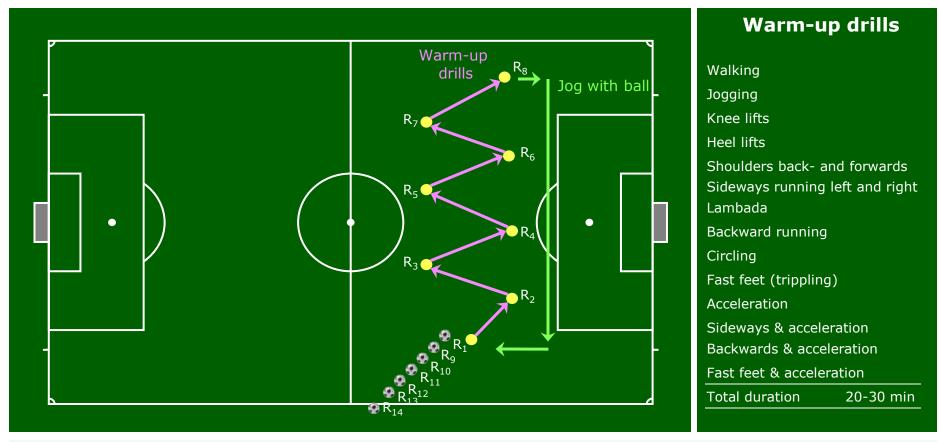
Accelerate with the ball

Total duration 20-30 min

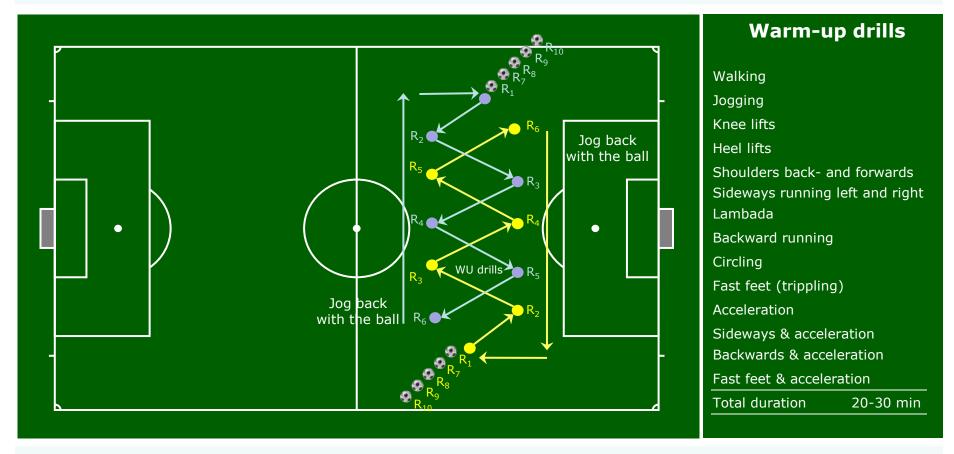
Instruction: Referee 1 runs with the ball to the opposite side and passes the ball to referee 2. Then, the referees come back in zigzag as indicated in the figure (R_2 to R_3 to R_4 ...). After the ball has been passed, the referees goes around the cone on the outside and perform warm-up drills. The warm-up is always followed by dynamic stretching exercises.







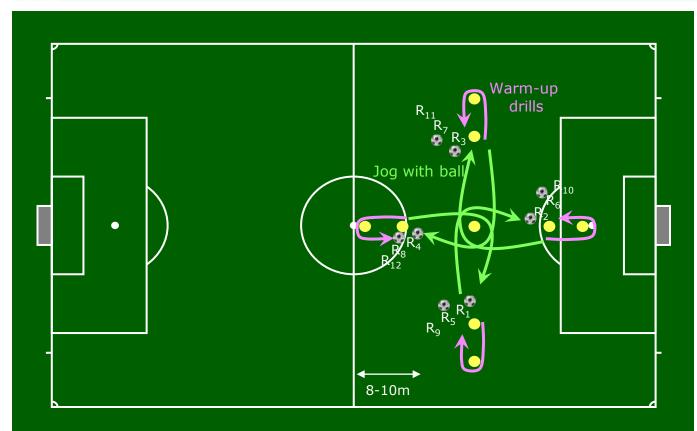
Instruction: Referee 1 runs with the ball to referee 2 passes. Referee 2 goes to referee 3 and passes the ball... Referee 8 jogs back with the ball to the starting position. After the ball has been passed, the referees waits at the cone for the next ball. The warm-up is always followed by dynamic stretching exercises.



Instruction: Referee 1 runs with the ball to referee 2 passes. Referee 2 goes to referee 3 and passes the ball... Referee 8 jogs back with the ball to the starting position. After the ball has been passed, the referees waits at the cone for the next ball. The warm-up is always followed by dynamic stretching exercises.







Warm-up drills

Walking

Jogging

Knee lifts

Heel lifts

Shoulders back- and forwards Sideways running left and right

Lambada

Backward running

Circling

Fast feet (trippling)

Acceleration out - jogging in

Sideways out - acceleration in

Backwards out - acceleration in

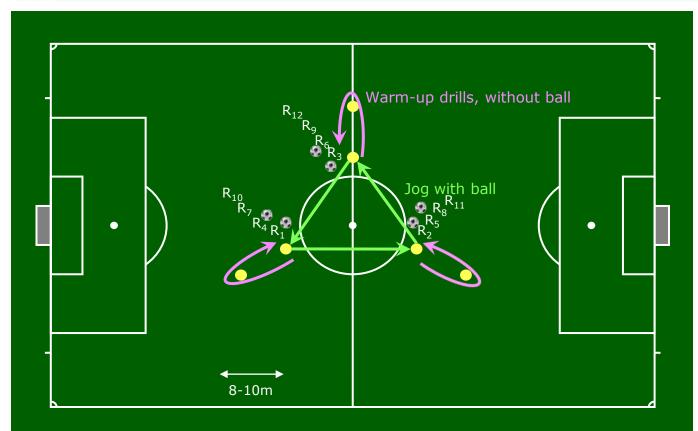
Accelerate with the ball

Total duration 20-30 min

Instruction: Referee 1, 2, 3 and 4 start to jog at the same time with the ball in the hand to the cone in the middle and then they all turn to the right and pass the ball to the next referee. Referees 5, 6, 7 and 8 start to jog with the ball in the hand when the first group is in the middle. After the ball has been passed, the referees go around the cone on the outside and perform warm-up drills. The warm-up is always followed by dynamic stretching exercises.







Warm-up drills 4 times each

Walking

Jogging

Knee lifts

Heel lifts

Shoulders back- and forwards Sideways running left and right Lambada

Backward running

Circling

Fast feet (trippling)

Acceleration out - jogging in

Sideways out - acceleration in Backwards out - acceleration in

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Accelerations with the ball

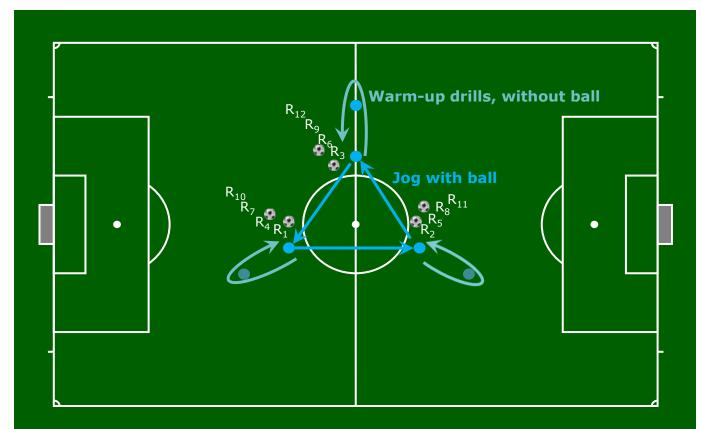
Total duration 20-30 min

Basic organization: 3 groups of 4 referees with 2 of these referees carrying a ball.

Instruction: Referees R_1 to R_3 start at the same time and carry the ball to the next group as indicated on the picture (in a triangle). When these referees are in the middle, referees R_4 to R_6 start jogging with the ball. When referees R_1 to R_3 arrive at the next group, they pass the ball to referees R_7 to R_9 and make a loop around the cone by doing some warming-up drills. Afterwards these referees receive the ball of referees R_4 to R_6 . The warm-up is always followed by dynamic stretching exercises.







Warm-up drills 4 times each

Walking

Jogging

Knee lifts

Heel lifts

Shoulders back- and forwards
Sideways running left and right

Lambada

Backward running

Circling

Fast feet (trippling)

Acceleration out - jogging in

Sideways out - acceleration in Backwards out - acceleration in

Accelerations with the ball

Total duration

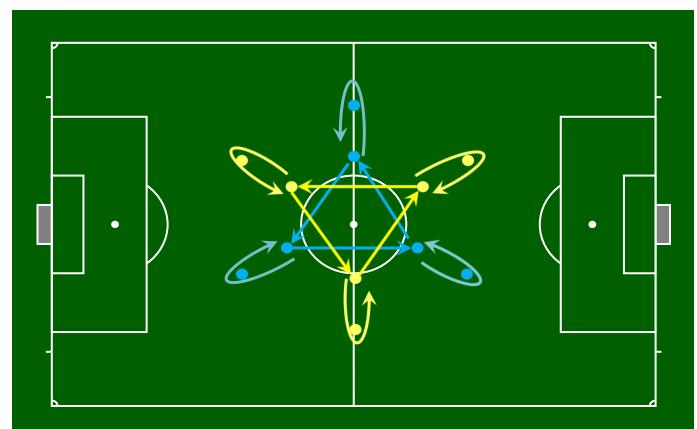
20-30 min

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Warm-up drills 4 times each

Walking

Jogging

Knee lifts

Heel lifts

Shoulders back- and forwards Sideways running left and right Lambada

Backward running

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Fast feet (trippling)

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Accelerations with the ball

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Warm-up drills 4 times each

Walking

Jogging

Knee lifts

Heel lifts

Shoulders back- and forwards Sideways running left and right

Lambada

Backward running

Circling

Fast feet (trippling)

Acceleration out - jogging in

Sideways out - acceleration in Backwards out - acceleration in

Accelerations with the ball

Total duration

20-30 min

Basic organization: 5 groups of 4 referees with 2 of these 4 referees carrying a ball.

Instruction: Referees R_1 to R_5 start at the same time and carry the ball to the next group as indicated on the picture (in a pentagon figure). When these referees are in the middle of the square, referees R_6 to R_{10} start jogging with the ball. When referees R_1 to R_5 arrive at the next group, they pass the ball to referees R_{11} to R_{15} and make a loop around the cone by doing some warming-up drills. Afterwards these referees receive the ball of referees R_6 to R_{10} . The warm-up is always followed by dynamic stretching exercises.

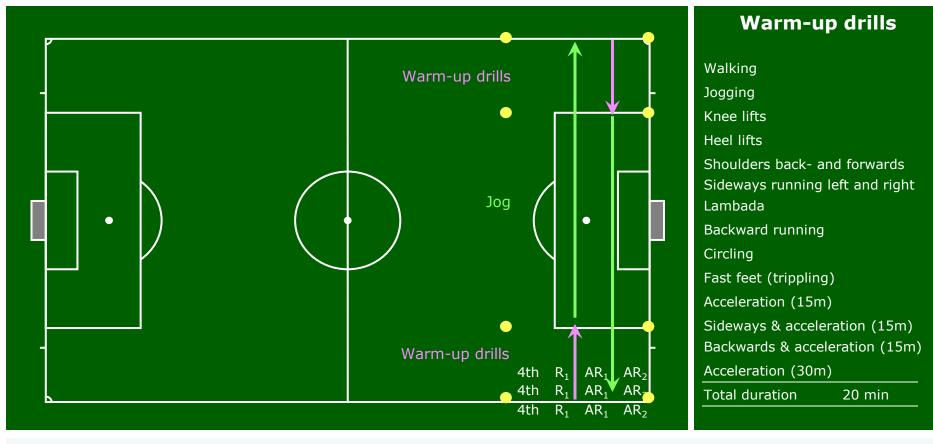




Warm-up exercises without ball



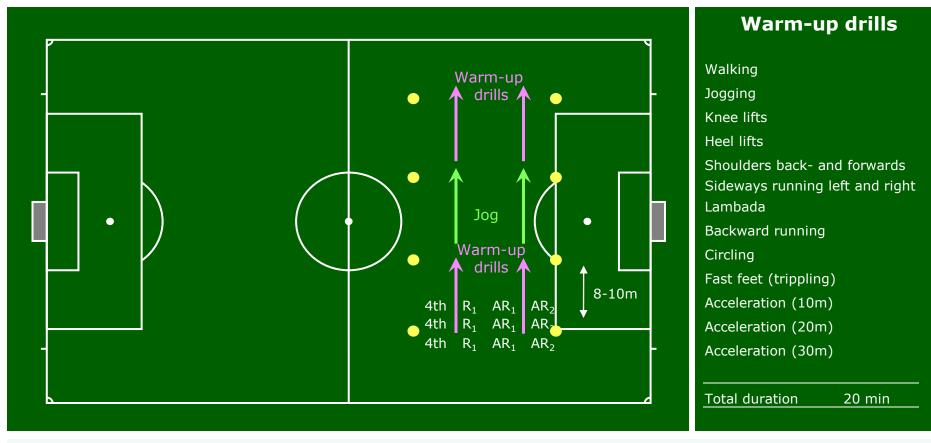




Instruction: The match officials line up at the sideline (the referee, the two assistant referees and the 4th official) and they need to stay at the same level. They perform warm-up drills from the sideline to the penalty box, followed by jogging to the other side of the pitch and come back in the same set-up. The warm-up is always followed by dynamic stretching exercises.



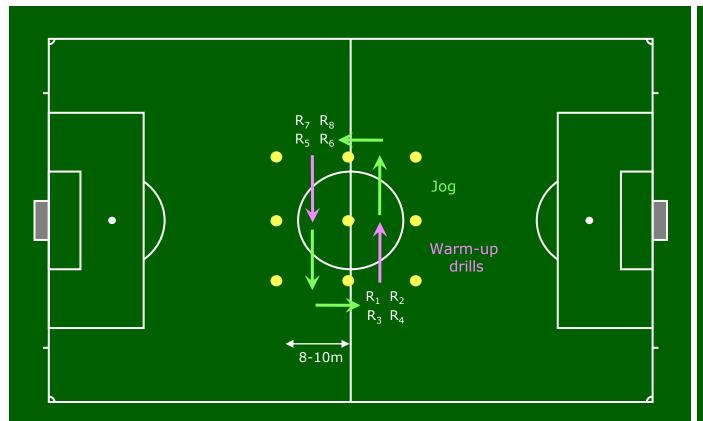




Instruction: The match officials line up as a team (the referee, the two assistant referees and the 4th official) and they need to stay at the same level. They perform warm-up drills in the first part, the jog in the middle part and they do the same warm-up drills in the last part. They jog back to the beginning and start again. The warm-up is always followed by dynamic stretching exercises.







Warm-up drills

Walking

Jogging

Knee lifts

Heel lifts

Shoulders back- and forwards Sideways running left and right

Lambada

Backward running

Circling

Fast feet (trippling)

Acceleration out - jogging in

Sideways out - acceleration in Backwards out - acceleration in

Accelerations with the ball

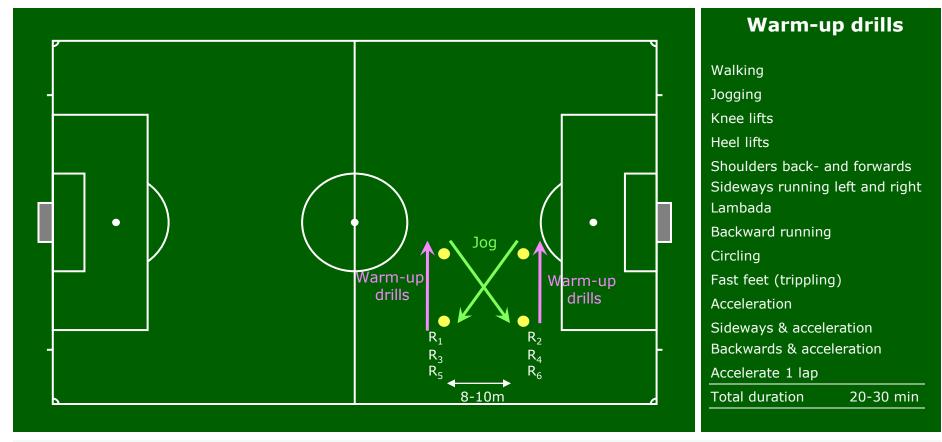
Total duration

20-30 min

Instruction: The match officials work 2 by 2. In the first square they do warm-up drills, followed by jogging in the second square. Then, they turn left and return in the same way to the starting position. To make it more difficult, the referees can do the warm-up drills in a synchronized way. The warm-up is always followed by dynamic stretching exercises.





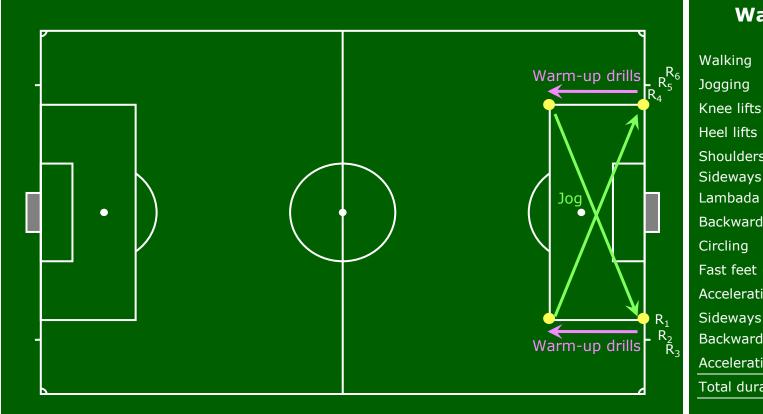


Basic organization: 2 groups of referees.

Instruction: The match officials work 2 by 2. In the length of the square they do warm-up drills. They jog back on the diagonal to the other corner. The warm-up is always followed by dynamic stretching exercises.







Warm-up drills

Shoulders back- and forwards Sideways running left and right

Backward running

Fast feet (trippling)

Acceleration

Sideways and acceleration

Backwards & acceleration

Acceleration on the diagonal

Total duration 20-30 min

Instruction:

10 min: The match officials work 2 by 2 (e.g. R_1 and R_4) and they need to stay at the same level. They perform warm-up drills from the goal line to the end of the penalty box, followed by jogging on the diagonal to the other side of the penalty box.

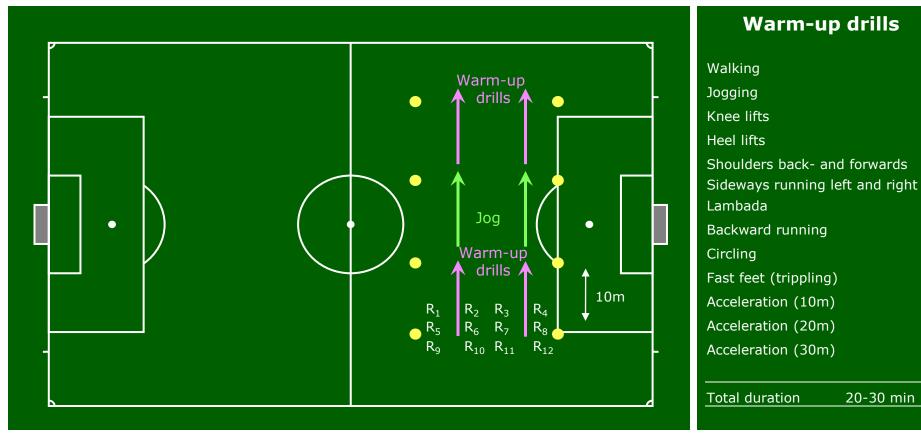
10 min: The match officials jog from the goal line to the end of the penalty box, followed by running technique and coordination exercises on the diagonal.

The warm-up is always followed by dynamic stretching exercises.



Warm-up before the FIFA Fitness Test

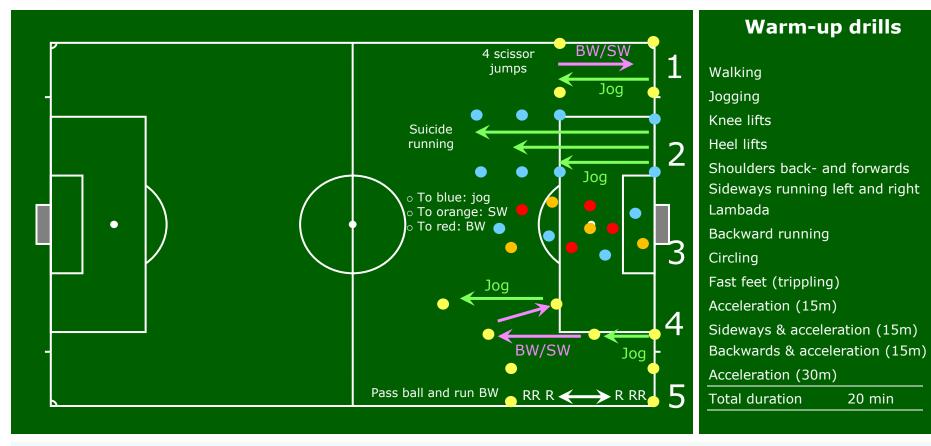




Instruction: The match officials line up by 4 and during the exercises they need to stay at the same level. In the first square the match officials do warm-up drills, in the middle square they jog and in the last square they repeat the same exercise. Every warm-up drill is done twice. After this a dynamic stretching is done and then 3 more sprints are carried out (10 - 20 - 30m) after a dynamic start (knee lifts). The warm-up is always followed by dynamic stretching exercises.







Instruction: 5 stations, 1min and 30 sec at each station and 30 sec to rotate





High intensity training (HI), Tuesday

> aim: - to increase capacity to repeated exercise at HI

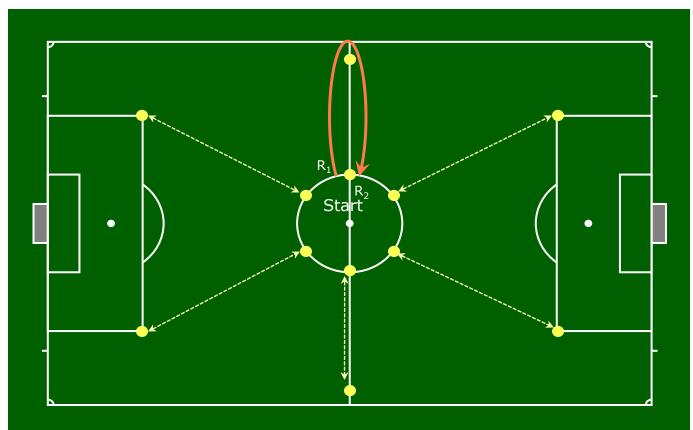
- to recover faster from HI-exercise

duration	recuperation	intensity	repetitions
2-4 min	1-2 min	<90% HRmax (85-95%) <u>+</u> 160-180 bpm	1-10

- > examples: progression over week 1 to 4
 - 8 min run at 90% HRmax, 4 min jogging, 2 repetitions
 - 4 min run at 90% HRmax, 2 min jogging, 4 repetitions
 - 1 min run at 90% HRmax, 30 sec jogging, 8 repetitions, 2 sets
 - 30 sec run at 90% HRmax, 15 sec jogging, 12 repetitions, 2 sets







2 sets o	f 18	HI runs
Set 1 (18 HI runs) Recovery Set 2 (18 HI runs)		7 min 4 min 7 min
Total duration		18 min
Walking	W	
Jogging	J	
Backwards	BW	
Sideways	SW	
High intensity	HI	1680 m
Sprint	S	
Total distance		1680 m

Set 1: The referees work in pairs. The start of the exercise is always in the center circle. R_1 carries a bib and runs in high speed outwards, turns around the cone and give the bib to R_2 who does the same run. Then, R_1 runs around the next cone in a clockwise order and they go on until both referees have completed 3 full laps (18 high intensity runs).

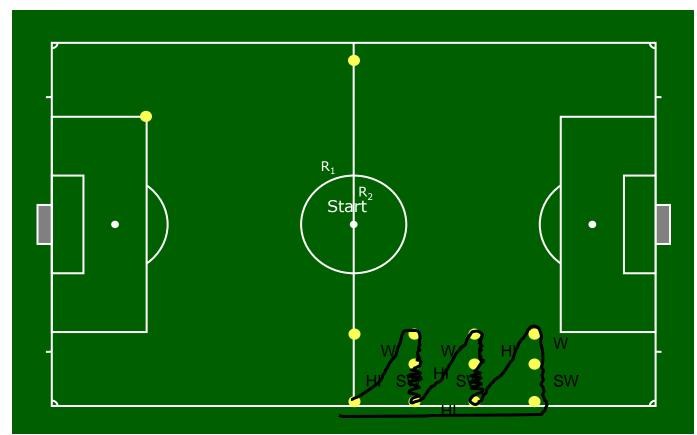
Recovery: 4 min

Set 2: Again 3 full laps, both now counterclockwise



High intensity exercise for assistant referees





2 sets o	f 18	HI runs
Set 1 (18 HI r	uns)	7 min
Recovery		4 min
Set 2 (18 HI ru	uns)	7 min
Total duration		18 min
Walking	W	
Jogging	J	
Backwards	BW	
Sideways	SW	
High intensity	HI	1680 m
Sprint	S	
Total distance		1680 m

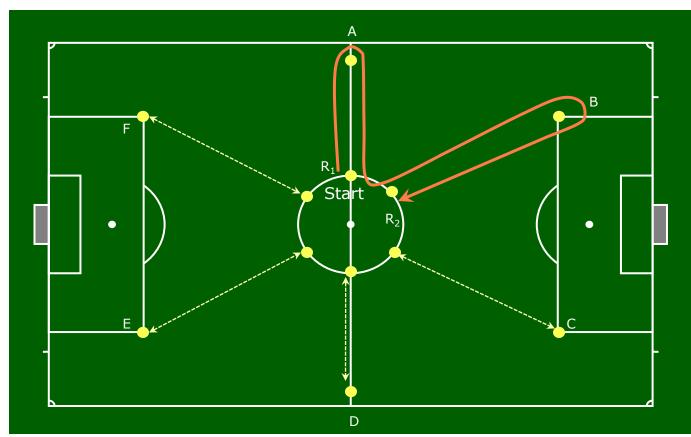
Set 1: The assistant referees work in pairs. The start of the exercise is always in the center circle. R_1 carries a bib and runs in high speed outwards, turns around the cone and give the bib to R_2 who does the same run. Then, R_1 runs around the next cone in a clockwise order and they go on until both referees have completed 3 full laps (18 high intensity runs).

Recovery: 4 min

Set 2: Again 3 full laps, both now counterclockwise







2 sets o	of 9	HI runs
Set 1 (9 HI rui Recovery Set 2 (9 HI rui		7 min 4 min 7 min
Total duration		18 min
Walking	W	
Jogging	J	
Backwards	BW	
Sideways	SW	
High intensity	HI	1680 m
Sprint	S	
Total distance		1680 m

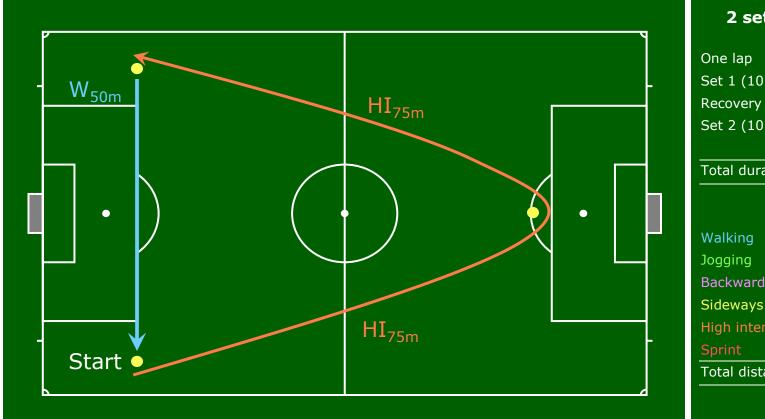
Set 1: The referees work in pairs. The start of the exercise is always in the center circle. R_1 carries a bib and runs in high speed outwards, turns around cone A and returns to the center circle and runs immediately around cone B. Then he gives the bib to R_2 who does the same run. Then, R_1 runs around the next cone in a clockwise order and they go on until both referees have completed 3 full laps (9 high intensity runs).

Recovery: 4 min

Set 2: Again 3 full laps, both now counterclockwise







2 sets of 10 HI runs		
One lap		1′05″
Set 1 (10 HI r	uns)	10′ 50″
Recovery		4 min
Set 2 (10 HI r	uns)	10′50″
Total duration		21′40″
Walking	W	1000 m
Jogging	J	
Backwards	BW	
Sideways	SW	
High intensity	HI	3000 m
Sprint	S	
Total distance		4000 m

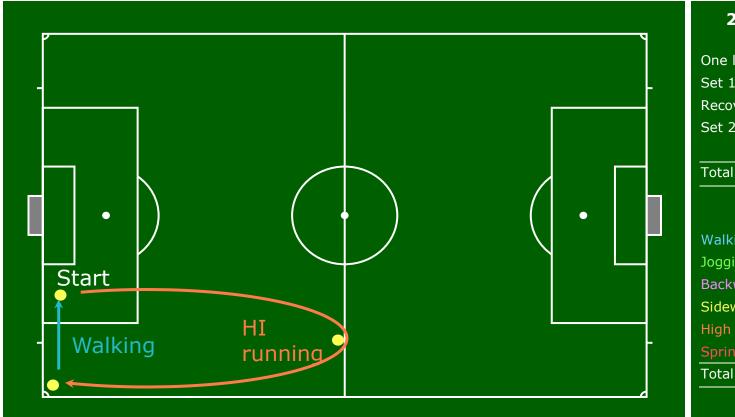
Set 1: From the start, run at high intensity to the other side of the pitch, turn around the cone and return at high intensity (150 m in total in 30 sec) as indicated in the picture, afterwards walk back to the start (50 m in 35 sec) and repeat this 20 to 24 times.

Recovery: 4 min

Set 2: Same as set 1, however, run in the other direction.





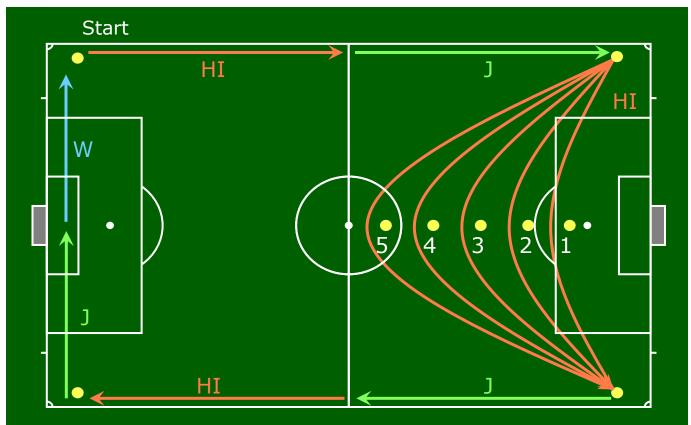


2 sets of 10 HI runs		
One lap		1′05″
Set 1 (10 HI r	uns)	10′ 50″
Recovery		4 min
Set 2 (10 HI runs)		10′50″
Total duration	Total duration	
Walking	W	1000 m
Jogging	J	
Backwards	BW	
Sideways SW		
High intensity	HI	3000 m
Sprint	S	
Total distance		4000 m

Set 1: j







2 sets of 5 laps		
One lap		±2 min
Set 1 (5 laps)		10 min
Recovery		4 min
Set 2 (5 laps)		10 min
Total duration		± 24 min
Walking	W	300 m
Jogging	J	1300 m
Backwards	BW	
Sideways	SW	
High intensity	HI	1800 m
Sprint	S	
Total distance		3400 m

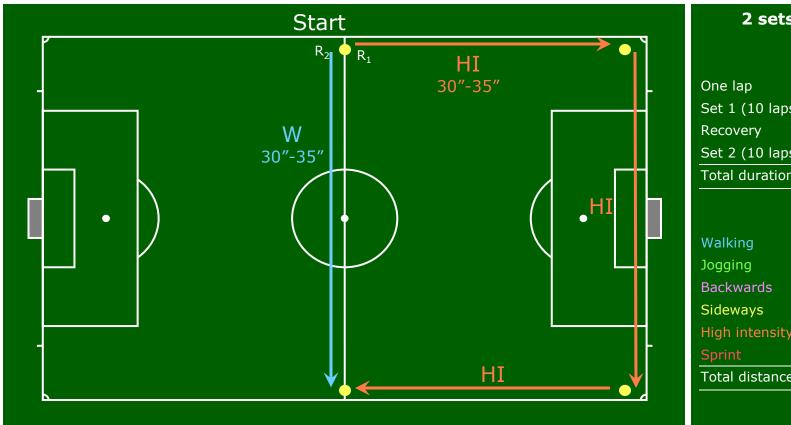
Set 1: From the start, run at the indicated intensity. For the first lap 1, run around cone 1, for the second lap, run around cone 2 and so on up to cone 5 for lap 5, thus increasing the run distance at high intensity with each subsequent lap. The high intensity running should be at 80% of the maximal running speed.

Recovery: 4 min

Set 2: Now run around cone 5 on lap 1, and work down to cone 1 on lap 5, thus decreasing the run distance with each subsequent lap.







2 sets of 10 laps		
One lap		±1 min
Set 1 (10 laps)	10 min
Recovery		4 min
Set 2 (10 laps)		10 min
Total duration		± 24 min
Walking	W	1200 m
Jogging	J	
Backwards	BW	
Sideways	SW	
High intensity	HI	3200 m
Sprint	S	
Total distance		4400 m

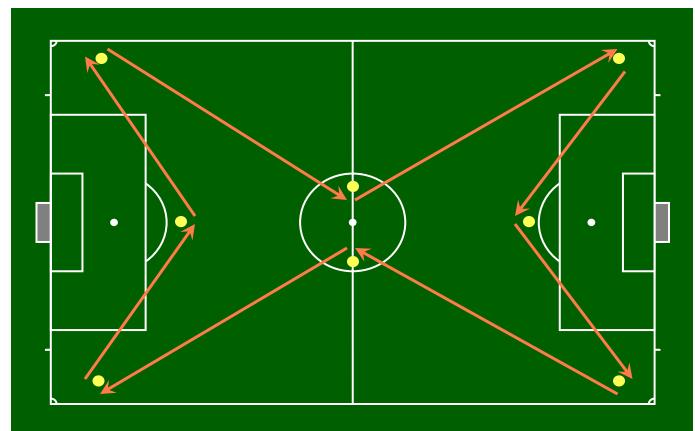
Set 1: The referees work in pairs. From the start, R_1 runs around half of the pitch in 30 to 35 sec. At the same time, R_2 walks along the midline. R_1 and R_2 need to arrive at the same time at the sideline and then R_2 runs around half of the pitch and R_1 walks back along the midline to the start. Repeat this 10 times.

Recovery: 4 min

Set 2: Same as set 1, however, run in the opposite direction.







2 sets of 12 min		
Set 1		12 min
Recovery		4 min
Set 2		12 min
Total duration		28 min
Walking	W	
Jogging	J	1600 m
Backwards	BW	
Sideways	SW	
High intensity	ΗI	4800 m
Sprint	S	
Total distance		6400 m

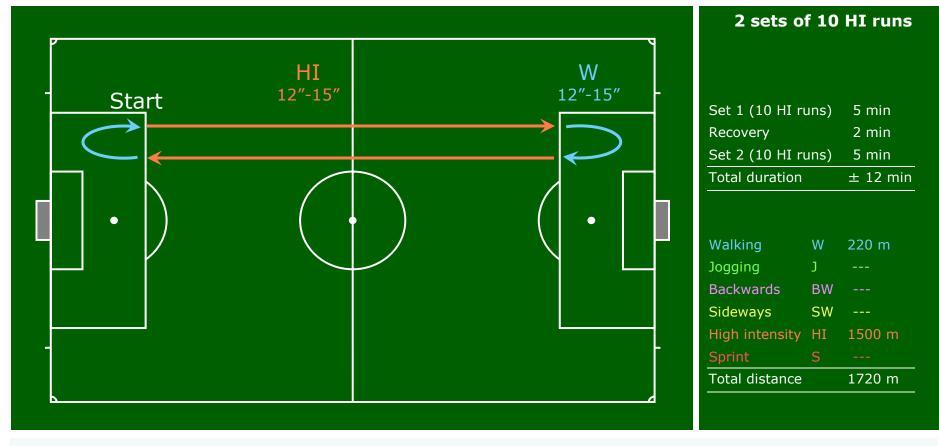
Set 1: Run around the pitch as indicated in the picture. Run for 20 sec at high intensity (HI), followed by 20 sec of jogging (J). Then, 40 sec HI and 20 sec J; 60 sec HI and 20 sec J; 2 min HI and 1 min J; 2 min HI and 1 min J; 60 sec HI and 20 sec J; 40 sec HI and 20 sec J; 20 sec HI and 20 sec J.

Recovery: 4 min

Set 2: Same exercise as set 1 but now in the other direction.







Set 1: Run from one penalty box to the other at high intensity in 12 to 15 sec (between 18 and 20 km/h). Then, walk to the goal area line and back in 12 to 15 sec and run again to the other penalty box. Run 10 times from penalty box to penalty box.

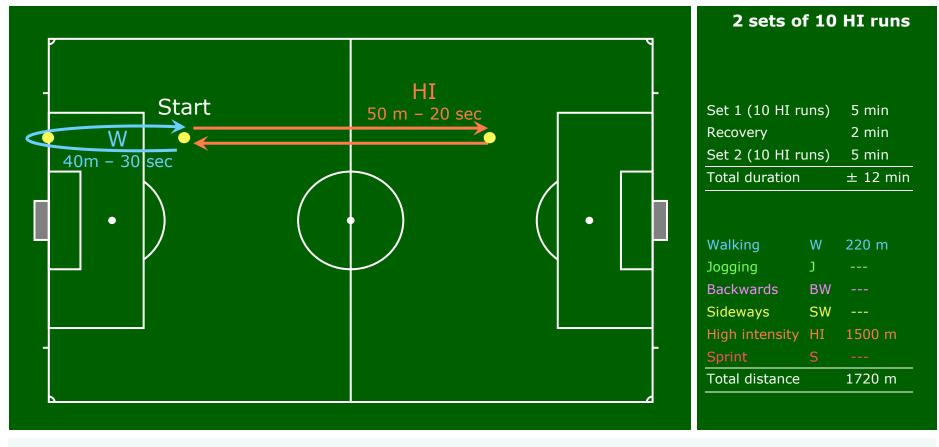
Recovery: 4 min

Set 2: Repeat the same exercise.



High intensity exercise 7 bis





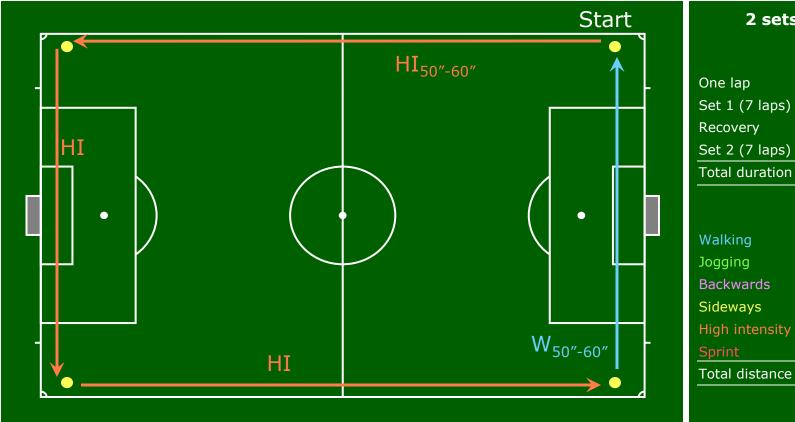
Set 1: Run from one penalty box to the other at high intensity in 12 to 15 sec (between 18 and 20 km/h). Then, walk to the goal area line and back in 12 to 15 sec and run again to the other penalty box. Run 10 times from penalty box to penalty box.

Recovery: 4 min

Set 2: Repeat the same exercise.







2 sets of 7 laps			
One lap		2 min	
Set 1 (7 laps)		14 min	
Recovery		5 min	
Set 2 (7 laps)		14 min	
Total duration		33 min	
Walking	W	840 m	
Jogging	J		
Backwards	BW		
Sideways	SW		
High intensity	ΗI	3640 m	
Sprint	S		
Total distance		4480 m	

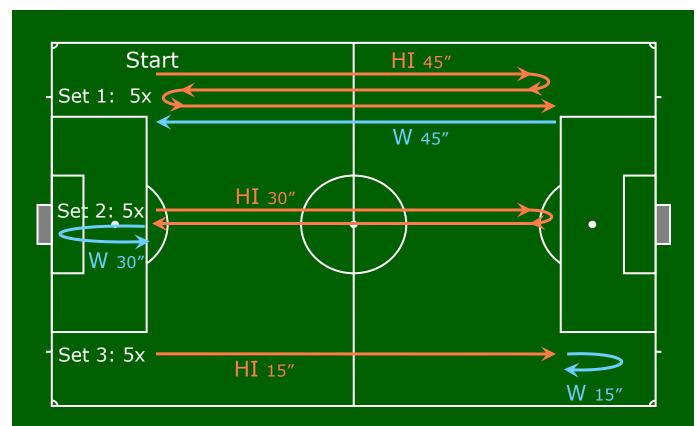
Set 1: Run around the pitch at high intensity on the field op play (or 300 m on an athletic track) in 50 to 60 sec. Then, walk the remaining distance to the start in 50 to 60 sec. If it is not possible to perform this exercise on a field of play or a track then the run can easily performed in the forest or on a treadmill.

Recovery: 5 min

Set 2: The start of set 2 is on the opposite side so that referees turn on the other shoulder.







3 sets of 5 HI runs			
Set 1 (5 HI rui	Set 1 (5 HI runs)		
Recovery		2 min	
Set 2 (5 HI rui	าร)	5 min	
Recovery		2 min	
Set 3 (5 HI rui	าร)	2.5 min	
Total duration		± 19 min	
Walking	W	465 m	
Jogging	J		
Backwards	BW		
Sideways	SW		
High intensity	HI	2250 m	
Sprint	S		
Total distance		2715 m	

Set 1: Run three times from penalty box to penalty box in 45 sec (at a speed of 18 km/h). Then, walk from one penalty box to the other in 45 sec. Repeat this 5 times.

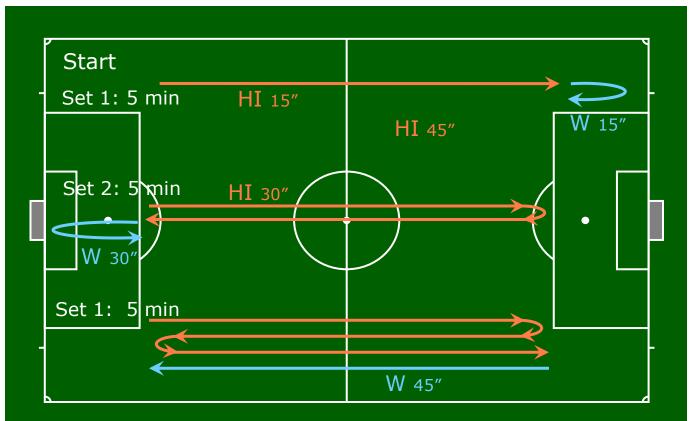
Recovery: 2 min

Set 2: Run twice from penalty box to penalty box in 30 sec (at a speed of 18 km/h). Then, walk from the penalty box to the goal line and back in 30 sec. Repeat this 5 times.

Recovery: 2 min

Set 3: Run from one penalty box to the other penalty box in 12 to 15 sec (at a speed of 18 km/h). Then, walk to the goal area line and back in 12 to 15 sec. Repeat this 5 times.





Set 1	5 min		
Set 2		5 min	
Set 3		5 min	
Total duration		5 min	
Walking	W	465 m	
_	vv 1	405 111	
logging	_		
Backwards	BW		
Sideways	SW		
High intensity	ΗI	2250 m	
Sprint	S		
Total distance		2715 m	

Set 1: Run three times from penalty box to penalty box in 45 sec (at a speed of 18 km/h). Then, walk from one penalty box to the other in 45 sec. Repeat this 5 times.

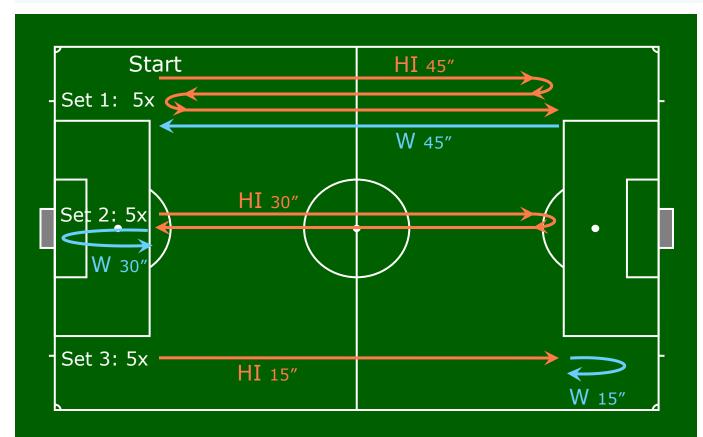
Recovery: 2 min

Set 2: Run twice from penalty box to penalty box in 30 sec (at a speed of 18 km/h). Then, walk from the penalty box to the goal line and back in 30 sec. Repeat this 5 times.

Recovery: 2 min

Set 3: Run from one penalty box to the other penalty box in 12 to 15 sec (at a speed of 18 km/h). Then, walk to the goal area line and back in 12 to 15 sec. Repeat this 5 times.





3 sets of 5 HI runs			
Set 1 (5 HI rur	Set 1 (5 HI runs)		
Recovery		2 min	
Set 2 (5 HI rur	าร)	5 min	
Recovery		2 min	
Set 3 (5 HI rur	าร)	2.5 min	
Total duration		± 19 min	
Walking	W	465 m	
Jogging	J		
Backwards	BW		
Sideways	SW		
High intensity	HI	2250 m	
Sprint	S		
Total distance		2715 m	

Set 1: Run three times from penalty box to penalty box in 45 sec (at a speed of 18 km/h). Then, walk from one penalty box to the other in 45 sec. Repeat this 5 times.

Recovery: 2 min

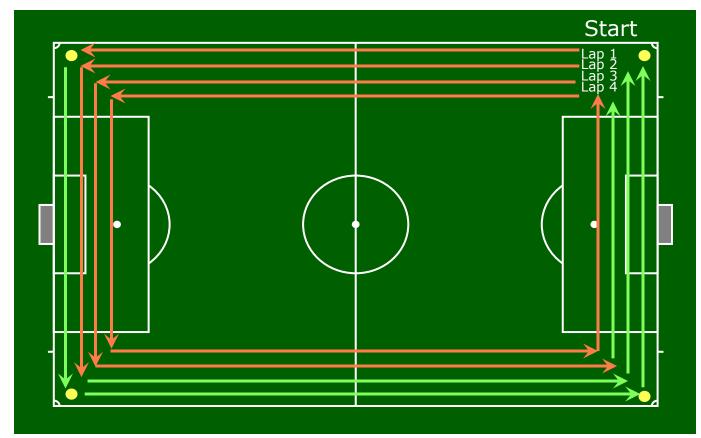
Set 2: Run twice from penalty box to penalty box in 30 sec (at a speed of 18 km/h). Then, walk from the penalty box to the goal line and back in 30 sec. Repeat this 5 times.

Recovery: 2 min

Set 3: Run from one penalty box to the other penalty box in 12 to 15 sec (at a speed of 18 km/h). Then, walk to the goal area line and back in 12 to 15 sec. Repeat this 5 times.







6 min 3 min 6 min 3 min 6 min 6 min ± 24 min
6 min 3 min 6 min
3 min 6 min
6 min
± 24 min
1320 m
2520 m

Set 1: Run around the pitch as indicated in the picture. The distance of high intensity running increases every lap. In total, run 4 laps around the pitch.

Recovery: 3 min.

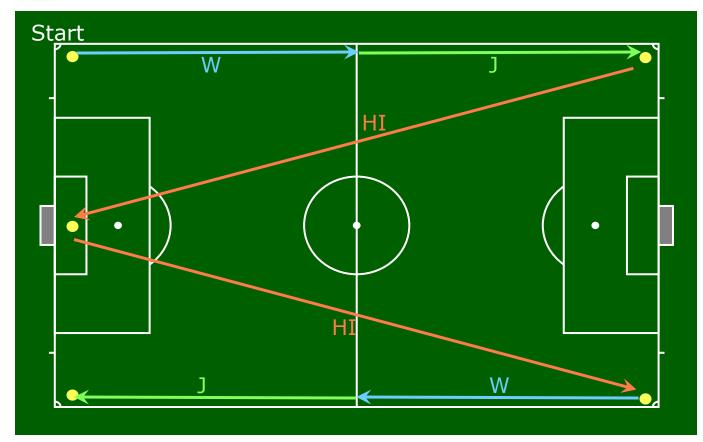
Set 2: Now start with 1 full lap of high intensity running (lap 4) and then work down to run one length of high intensity (lap 1).

Recovery: 3 min.

Set 3: Same as set 1.







2 sets of 4 laps		
One lap		2.5 min
Set 1 (5 laps)		10 min
Recovery		
Set 2 (5 laps)		10 min
Total duration		24 min
Walking	W	800 m
Jogging	J	800 m
Backwards	BW	
Sideways	SW	
High intensity	HI	1920 m
Sprint	S	
Total distance		3520 m

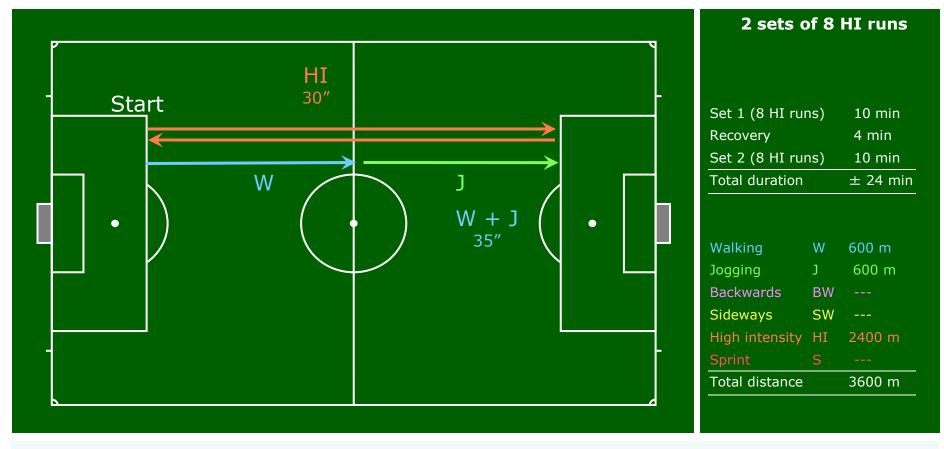
Set 1: Run 4 laps of the high intenstiy exercise as indicated in the picture.

Recovery: 4 min

Set 2: Repeat the same exercise.







Set 1: Run from one penalty box to the other and back at high intensity in 30 sec. Then, walk to the midline and continue jogging to the penalty area (45 sec). Repeat 8 times.

Recovery: 4 min

Set 2: Repeat the same exercise.





Speed endurance training (a-cyclic, lactic), Thursday

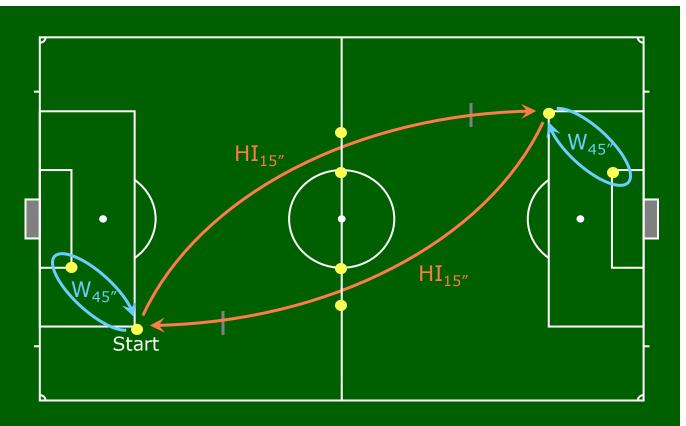
- > aim: to simulate game conditions
 - to rapidly and continuously produce power & energy
 - to alternate periodically between aerobic endurance (recovery) and intermittent interval activities
 - to improve repeated sprint ability (RSA)

duration	recuperation	intensity	repetitions
10-30 sec	>5 times (reps) 6+ min (sets)	>95% HRmax	4-6 reps 1-2 sets

- > main part of the Thursday training session
 - Note: HI <> SE
 - > Start stop start ...
 - Different movements / activity changes
 - Less recovery
 - > ... More match specific ...







2 sets of 10 HI runs		
One lap		2 min
Set 1 (10 HI runs)		10 min
Recovery		4 min
Set 2 (10 HI runs)		10 min
Total duration		24 min
Walking	W	300 m
Jogging	J	
Backwards	BW	
Sideways	SW	
High intensity	HI	2000 m
Sprint	S	
Total distance		2300 m

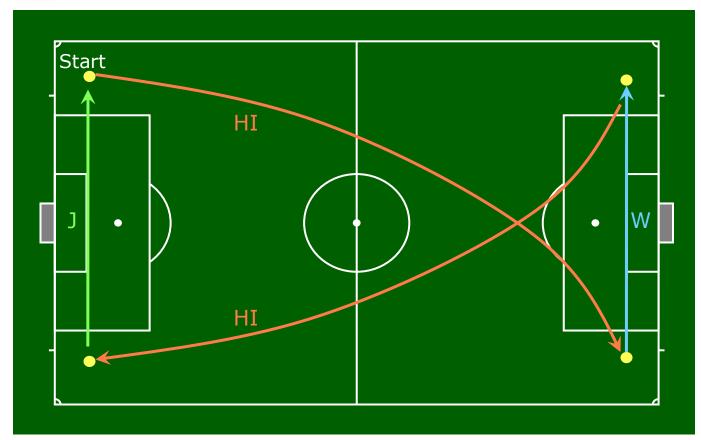
Set 1: Starting at the edge of the penalty box, referees progressively accelerate to 90-95% (15") along the diagonal line as indicated in the picture. As from the mark near the opposite penalty box on (marked by the vertical bar), they decelerate while keeping the focus inside the penalty box. Between runs, there is a 45" recovery period (walking). Repeat this 10 times.

Recovery: 4 min

Set 2: Again 10 repetitions of each 1 min.







2 sets	of 6	laps
One lap		1.5 min
Set 1 (6 laps)		9 min
Recovery		4 min
Set 2 (6 laps)		9 min
Total duration		22 min
Walking	W	480 m
Jogging	J	480 m
Backwards	BW	
Sideways	SW	
High intensity	HI	3600 m
Sprint	S	
Total distance		4080 m

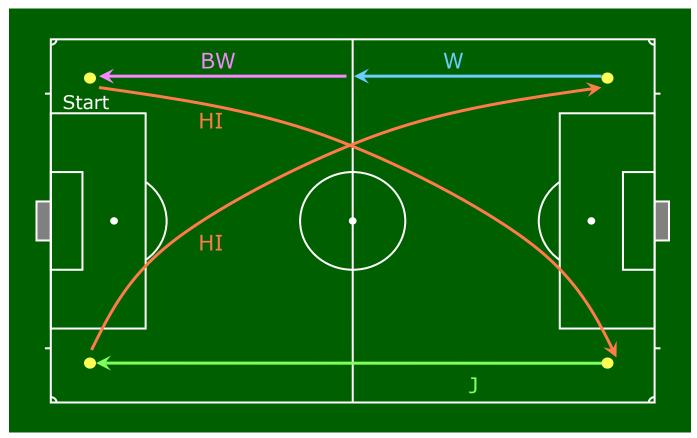
Set 1: Run 6 laps of the speed endurance exercise as indicated in the picture.

Recovery: 4 min.

Set 2: Again 6 laps of the same exercise.







2 sets of 6 laps		
0.00		O main
One lap		2 min
Set 1 (6 laps)		12 min
Recovery		4 min
Set 2 (6 laps)		12 min
Total duration		28 min
Walking	W	450 m
Jogging	J	1080 m
Backwards	BW	450 m
Sideways	SW	
High intensity	HI	3600 m
Sprint	S	
Total distance		5580 m
Total distance		5580 m

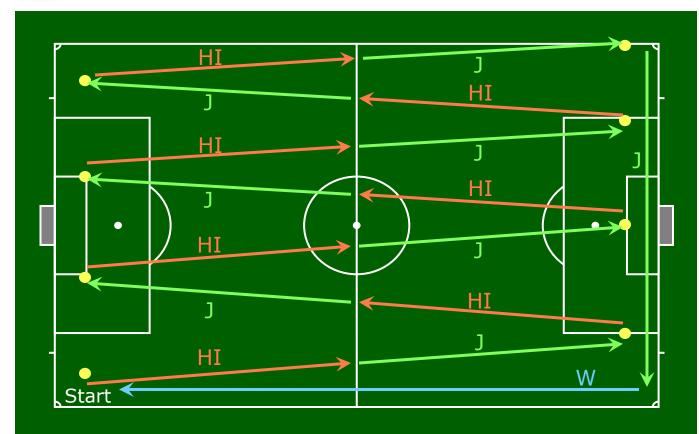
Set 1: Run 6 laps of the speed endurance exercise as indicated in the picture.

Recovery: 4 min.

Set 2: Again 6 laps of the same exercise.







2 sets of 2 laps		
One lap		6.5 min
Set 1 (2 laps)		13 min
Recovery		4 min
Set 2 (2 laps)		13 min
Total duration		30 min
Walking	W	400 m
Jogging	J	1640 m
Backwards	BW	
Sideways	SW	
High intensity	HI	1400 m
Sprint	S	
Total distance		3440 m

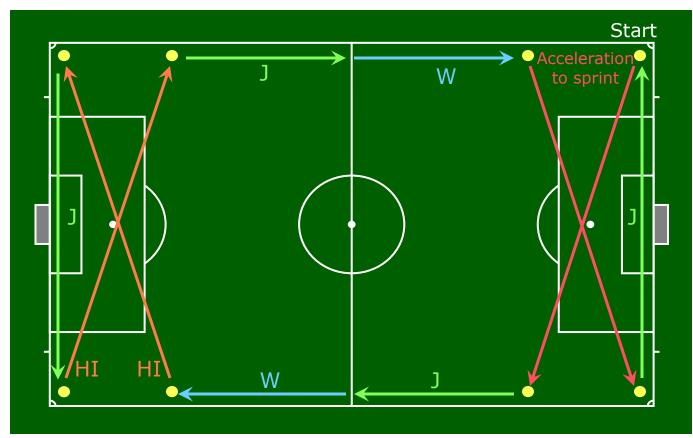
Set 1: One lap consists of 7 sub-maximal sprints followed by 7 recovery jogs. The tempo running should consist of 90% of maximal speed. The jogging should take 3x longer than the duration of the tempo run. After reaching the finish, referees jog along the goal line until the next corner and then walk back to the starting position.

Recovery: 4 min

Set 2: Again 2 laps of the same exercise.







2 sets of 5 laps		
One lap		2′ 20″
Set 1 (5 laps)		11 min
Recovery		4 min
Set 2 (5 laps)		11 min
Total duration		26 min
Walking	W	600 m
Jogging	J	1700 m
Backwards	BW	
Sideways	SW	
High intensity	HI	1200 m
Sprint	S	1200 m
Total distance		4700 m

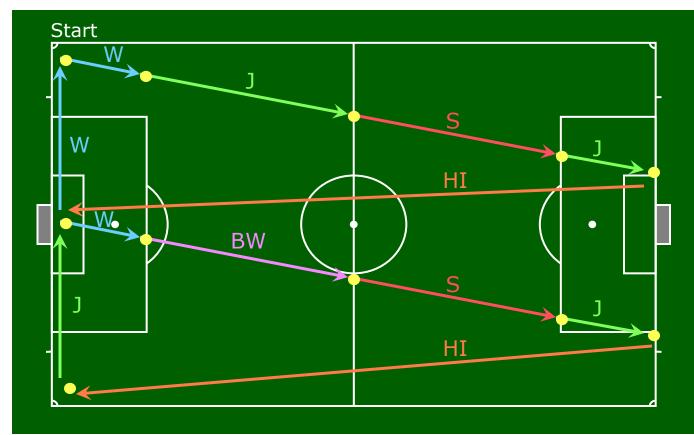
Set 1: Run 5 laps of the speed endurance exercise as indicated in the picture.

Recovery: 4 min

Set 2: Again 5 laps of the same exercise.







3 min 12 min 4 min 12 min 28 min
12 min 4 min 12 min
4 min 12 min
12 min
28 min
560 m
960 m
240 m
1600 m
480 m
3840 m

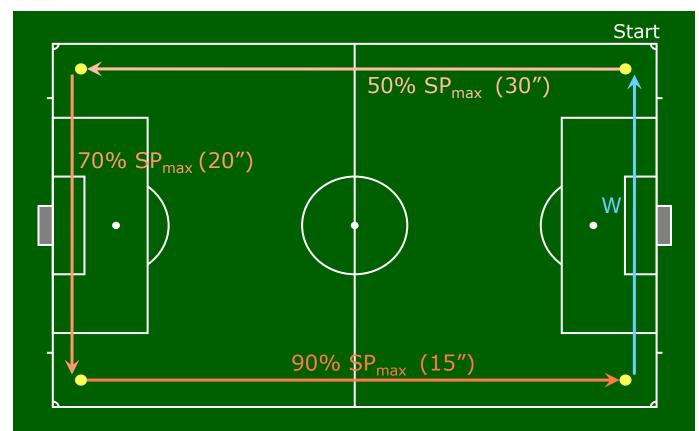
Set 1: Run 4 laps of the speed endurance exercise as indicated in the picture.

Recovery: 4 min

Set 2: Again 4 laps of the same exercise.







2 sets of 5 laps		
One lap		2 min
Set 1 (5 laps))	10 min
Recovery		3 min
Set 2 (5 laps))	10 min
Total duration	า	23 min
Walking	W	600 m
Jogging	J	
50% SP _{max}		1000 m
70% SP _{max}		600 m
90% SP _{max}		1000 m
Sprint	S	
Total distance	е	3200 m

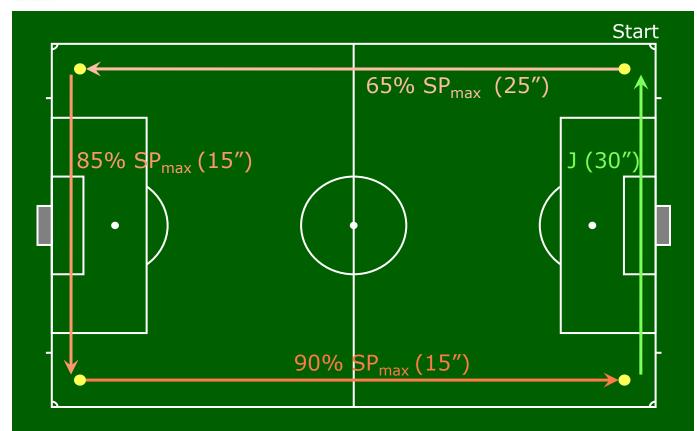
Set 1: Run 5 laps of the speed endurance exercise as indicated in the picture. Run at 50% of the maximal running speed in the length of the field (in 25 sec), followed by running at 70% of the maximal speed in the width of the field (in 15 sec) and then run at 90% of the maximal running speed (in 20 sec), walk back to the start.

Recovery: 3 min

Set 2: Again 5 laps of the same exercise.







2 sets of 6 laps		
One lap		1.5 min
Set 1 (5 laps	s)	10 min
Recovery		4 min
Set 2 (5 laps	5)	10 min
Total duration	n	24 min
Walking	W	
Jogging	J	600 m
65% SP _{max}		1000 m
85% SP _{max}		600 m
90% SP _{max}		1000 m
Sprint	S	
Total distance	e	3200 m

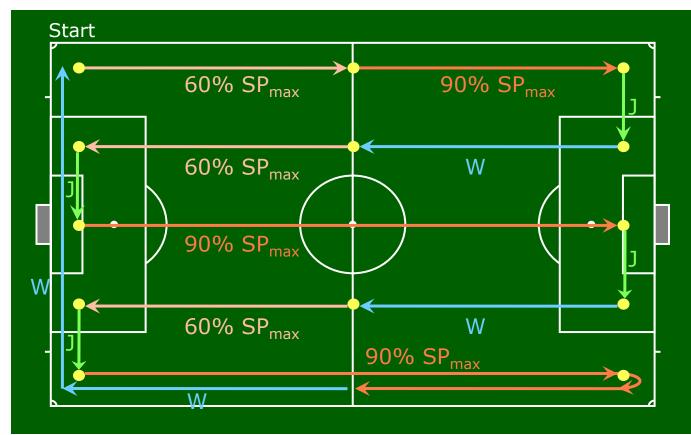
Set 1: Run 6 laps of the speed endurance exercise as indicated in the picture. Run at 65% of the maximal running speed in the length of the field (in 25 sec), followed by running at 85% of the maximal speed in the width of the field (in 15 sec) and then run at 90% of the maximal running speed (in 15 sec), walk back to the start.

Recovery: 3 min

Set 2: Again 6 laps of the same exercise.







2 sets of 3 laps			
One lap		4 min	
Set 1 (3 laps)		12 min	
Recovery		3 min	
Set 2 (3 laps)		12 min	
Total duration		27 min	
Walking	W	1260 m	
Jogging	J	360 m	
60% SP _{max}		900 m	
70% SP _{max}			
90% SP _{max}		1800 m	
Sprint	S		
Total distance		4320 m	
Total distance		4320 m	

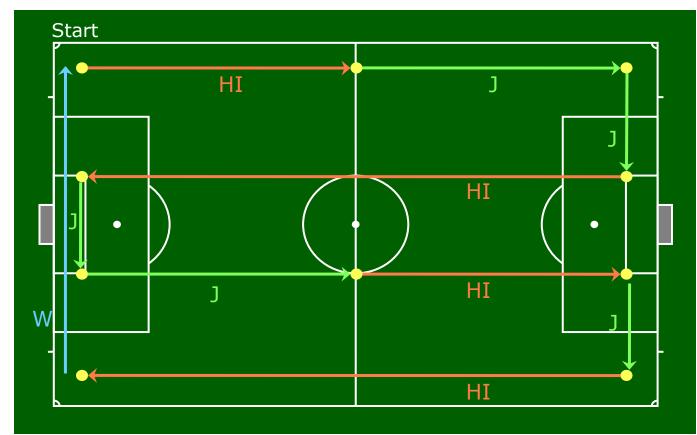
Set 1: Run 3 laps of the speed endurance exercise as indicated in the picture.

Recovery: 3 min

Set 2: Again 3 laps of the same exercise.







2 sets of 4 laps			
		2	
One lap		3 min	
Set 1 (4 laps)		12 min	
Recovery		4 min	
Set 2 (4 laps)		12 min	
Total duration		28 min	
Walking	W	480 m	
Jogging	J	1280 m	
Backwards	BW		
Sideways	SW		
High intensity	HI	1600 m	
Sprint	S		
Total distance		3360 m	

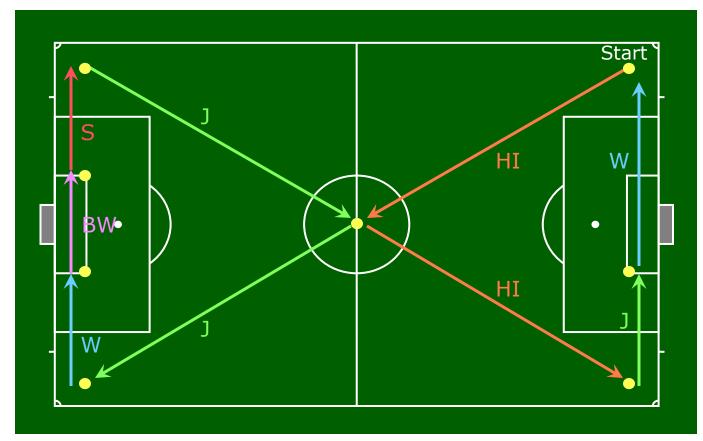
Set 1: Run 4 laps of the speed endurance exercise as indicated in the picture.

Recovery: 3 min

Set 2: Again 4 laps of the same exercise.







	2 min
	10 min
	4 min
	10 min
	24 min
W	650 m
J	1400 m
BW	200 m
SW	
HI	1200 m
S	250 m
	3700 m
	J BW SW HI

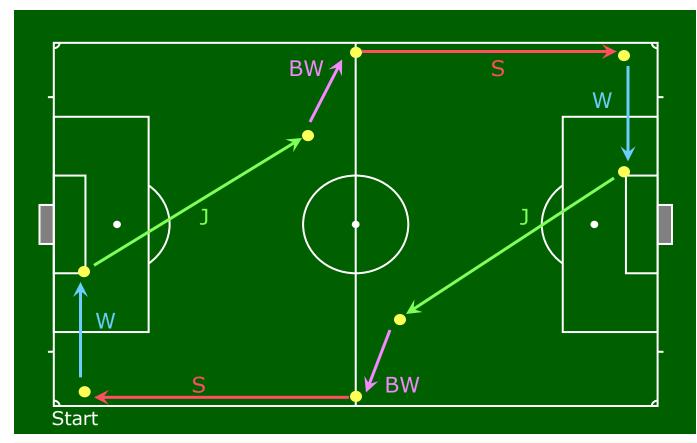
Set 1: Run 5 laps of the speed endurance exercise as indicated in the picture.

Recovery: 4 min

Set 2: Same as set 1.







2 sets of 5 laps			
One lap		2 min	
Set 1 (5 laps)		10 min	
Recovery		4 min	
Set 2 (5 laps)		10 min	
Total duration		24 min	
Walking	W	500 m	
Jogging	J	800 m	
Backwards	BW	200 m	
Sideways	SW		
High intensity	HI	800 m	
Sprint	S		
Total distance		2300 m	

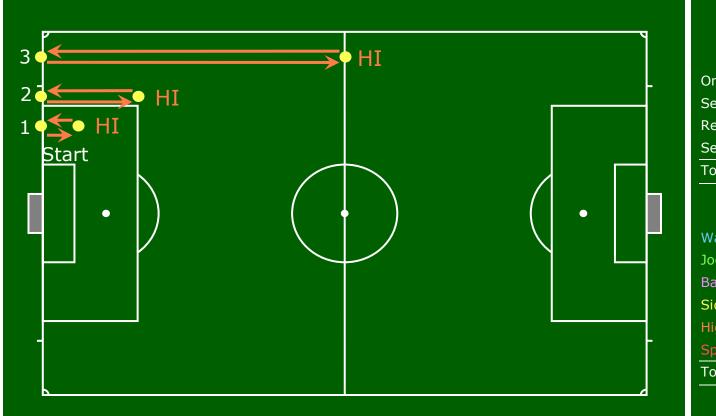
Set 1: Run 5 laps of the speed endurance exercise as indicated in the picture.

Recovery: 4 min.

Set 2: Run again 5 laps of the same exercise.







2 sets of 4 runs			
One lap		30″	
Set 1 (5 laps)		6 min	
Recovery		4 min	
Set 2 (5 laps)		6 min	
Total duration		16 min	
Walking	W		
Jogging	J		
Backwards	BW		
Sideways	SW		
High intensity	HI	1152 m	
Sprint	S		
Total distance		1152 m	

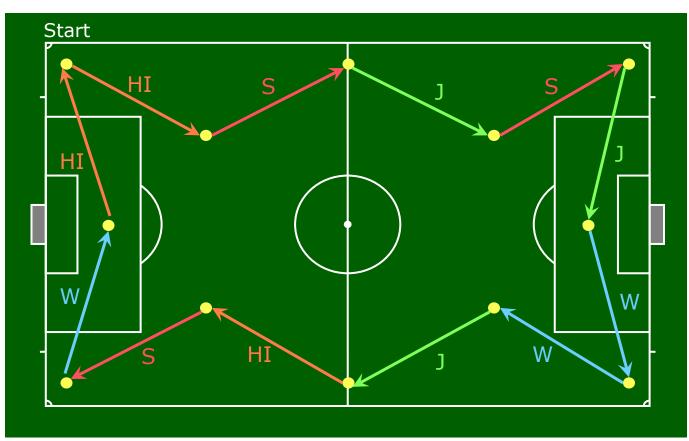
Set 1: Suicide run: sprint from the goal line to the goal area line and back. Then immediately sprint from the goal line to the edge of the penalty area and back. Finally, sprint to the halfway line and back. One minute rest and then repeat 4 times the exercise.

Recovery: 3 min

Set 2: Repeat the same exercise, again for 4 laps.







2 sets of 5 laps			
One lap		2 min	
Set 1 (5 laps)		10 min	
Recovery		4 min	
Set 2 (5 laps)		10 min	
Total duration		24 min	
Walking	W	900 m	
Jogging	J	900 m	
Backwards	BW		
Sideways	SW		
High intensity	ΗI	900 m	
Sprint	S	900 m	
Total distance		3600 m	

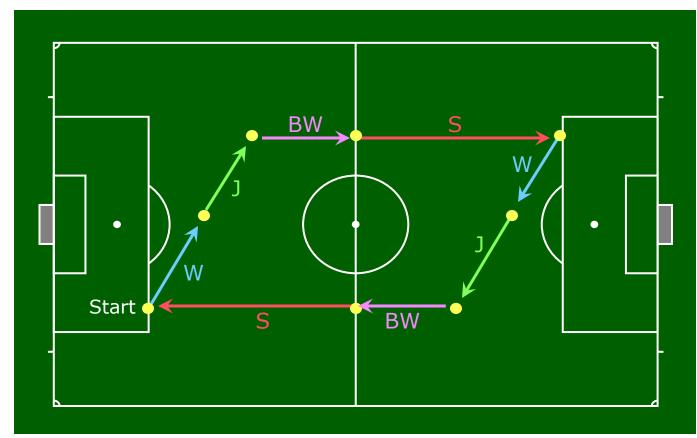
Set 1: Run 5 laps of the speed endurance exercise as indicated in the picture.

Recovery: 4 min

Set 2: Run again 5 laps of the same exercise.







2 sets of 6 laps		
		1/20//
One lap		1′20″
Set 1 (6 laps)		8 min
Recovery		4 min
Set 2 (6 laps)		8 min
Total duration		20 min
Walking	W	480 m
Jogging	J	480 m
Backwards	BW	480 m
Sideways	SW	
High intensity	HI	
Sprint	S	720 m
Total distance		2160 m

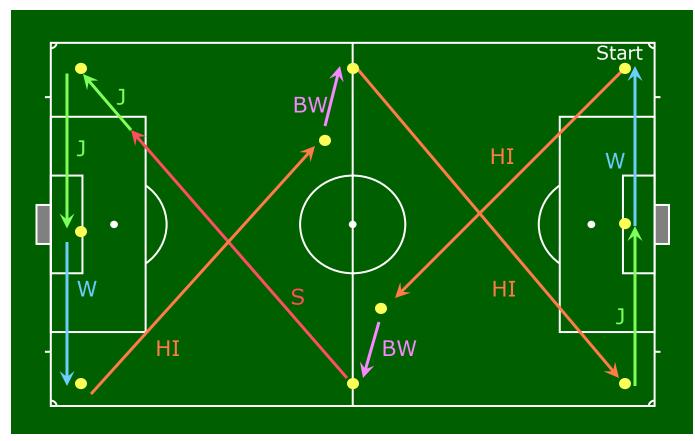
Set 1: Run 6 laps of the speed endurance exercise as indicated in the picture.

Recovery: 4 min.

Set 2: Again 6 laps of the same exercise.







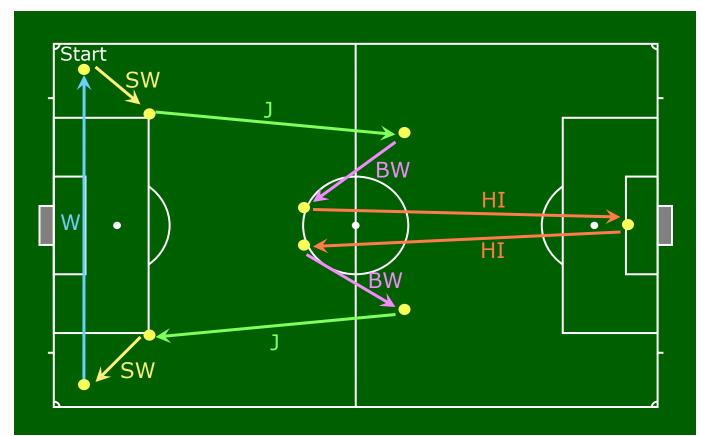
2 sets of 5 laps			
One lap		2′30″	
Set 1 (5 laps)		12′30″	
Recovery		12 30 4 min	
Set 2 (5 laps)		12′30″	
Total duration		29 min	
Walking	W	600 m	
Jogging	J	800 m	
Backwards	BW	300 m	
Sideways	SW		
High intensity	HI	1950 m	
Sprint	S	600 m	
Total distance		4250 m	

Set 1: Run 5 laps of the speed endurance exercise as indicated in the picture.

Recovery: 4 min

Set 2: Again 5 laps of the same exercise.





2 sets of 8 laps		
One lap		1.5 min
Set 1 (8 laps)		12 min
Recovery		4 min
Set 2 (8 laps)		12 min
Total duration		28 min
Walking	W	960 m
Jogging	J	1300 m
Backwards	BW	640 m
Sideways	SW	480 m
High intensity	HI	1920 m
Sprint	S	
Total distance		5300 m

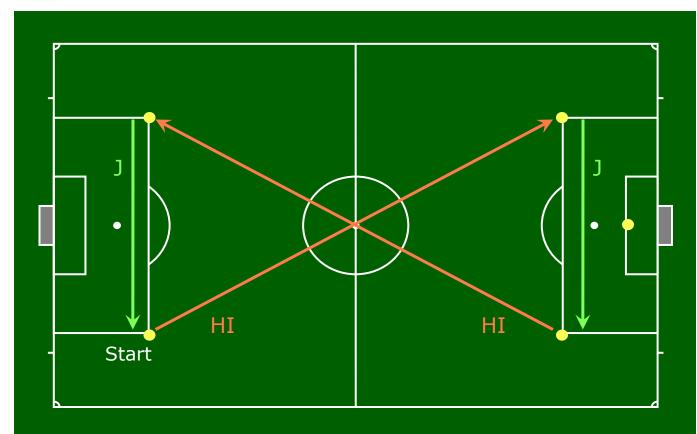
Set 1: Run 8 laps of the speed endurance exercise as indicated in the picture.

Recovery: 4 min

Set 2: Run again 8 laps of the same exercise.







2 sets of 6 laps		
One lap		1′15″
Set 1 (6 laps) Recovery		7.5 min 4 min
Set 2 (6 laps)		7.5 min
Total duration		19 min
Walking	W	
Jogging	J	960 m
Backwards	BW	
Sideways	SW	
High intensity	HI	2040 m
Sprint	S	
Total distance		3000 m

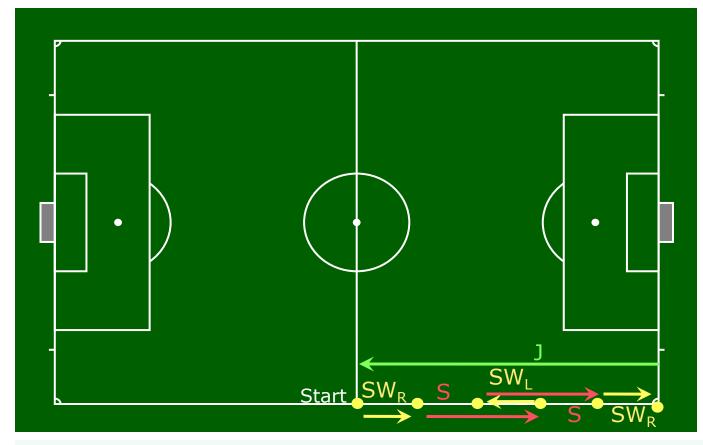
Set 1: Run 6 laps of the speed endurance exercise as indicated in the picture.

Recovery: 4 min

Set 2: Run again 6 laps of the same exercise.







2 sets of 8 laps		
One lap		45 sec
Set 1 (8 laps)		6 min
Recovery		4 min
Set 2 (8 laps)		6 min
Total duration		14 min
Walking	W	
Jogging	1	800 m
Backwards	BW	
Sideways	SW	480 m
High intensity		
Sprint	S	640 m
Total distance		1920 m

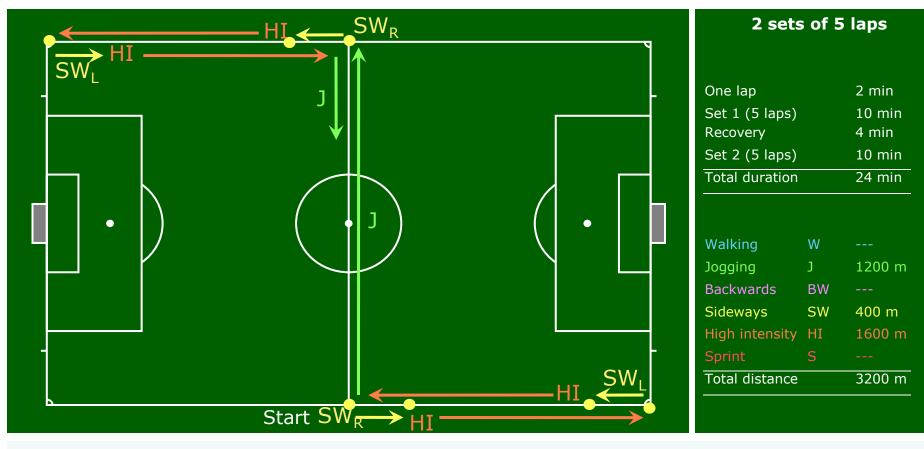
Set 1: Run 8 laps of the speed endurance exercise as indicated in the picture.

Recovery: 4 min

Set 2: Run again 8 laps of the same exercise.





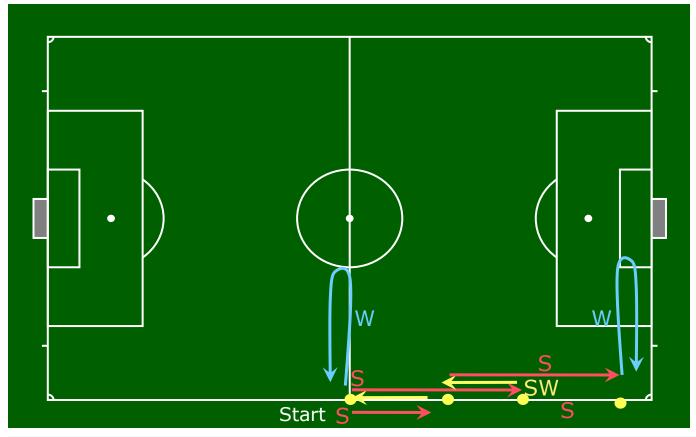


Set 1: Run 5 laps of the speed endurance exercise as indicated in the picture.

Recovery: 4 min

Set 2: Run again 5 laps of the same exercise.





2 sets of 4 laps		
One lap		2 min
Set 1 (8 laps)		8 min
Recovery		4 min
Set 2 (8 laps)		8 min
Total duration		20 min
Walking	W	640 m
Jogging	J	
Backwards	BW	
Sideways	SW	240 m
High intensity	HI	
Sprint	S	600 m
Total distance		1480 m

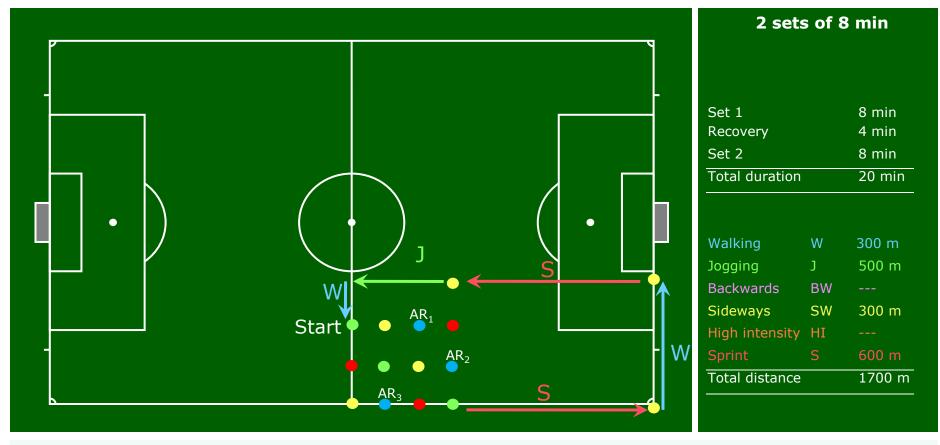
Set 1: Run 4 laps of the speed endurance exercise as indicated in the picture.

Recovery: 4 min

Set 2: Run again 4 laps of the same exercise.







Set 1: AR1 runs to one of the colored cones (green – yellow – blue – red). AR2 and AR3 have to visually react and run to the same colors. The flag must be used and the short distance must be covered sideways, the longer distance using using normal running. At the signal of the coach, AR3 starts sprinting towards the goal line, followed by walking, then sprinting towards the midline, jogging and walking. AR1 rotates to the position of AR2 and AR2 takes the position of AR3.

Recovery: 4 min

Set 2: Run again 8 min. of the same exercise.



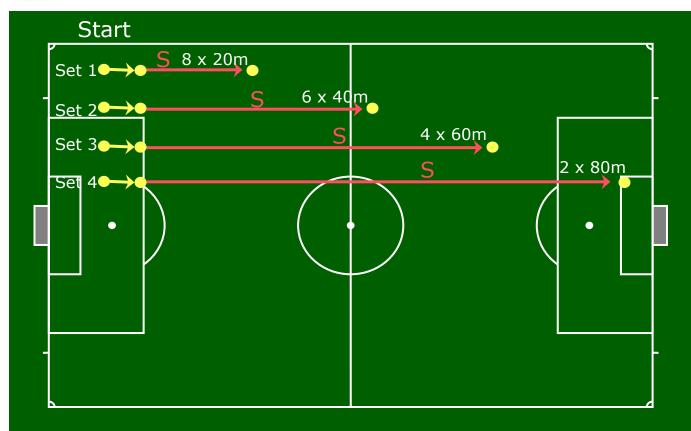


Extended speed exercises



Extended speed exercise 1





4 sets of fast runs		
Set 1 (8 x 20n	Set 1 (8 x 20m)	
Set 2 (6 x 40n	Set 2 (6 x 40m)	
Set 3 (4 x 60m)		3′20″
Set 4 (2 x 80m)		2 min
Recovery		2' each set
Total duration		18 min
Walking	W	
Jogging	J	800 m
Backwards	BW	
Sideways	SW	
High intensity	HI	
Sprint	S	800 m
Total distance		1600 m

All together, 20 fast runs should be performed from a dynamic start position. Decelerate smoothly, turn and jog back to the start. Depending on the age and/or fitness level, the re-starts are timed as follows:

ТОР	INTERMEDIATE
Set 1 every 20"	Set 1 every 25"
Set 2 every 40"	Set 2 every 45"
Set 3 every 50"	Set 3 every 55"
Set 4 every 60"	Set 4 every 65"

Recovery: 2 min in between each set



Extended speed exercise 2



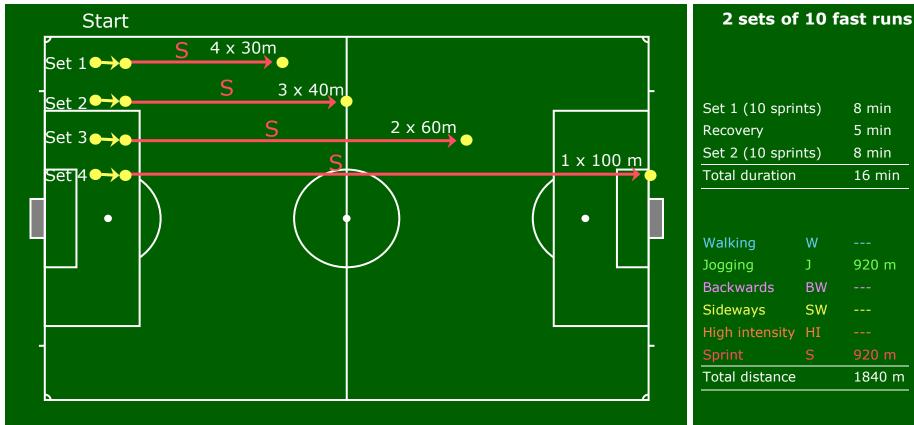
8 min

5 min

8 min

16 min

920 m



SW 1840 m

Set 1: 10 fast runs should be performed from a dynamic start position. Decelerate smoothly, turn and jog back to the start. Depending on the age and/or fitness level, the re-starts are timed as follows:

TOP	INTERMEDIATE
Set 1 every 30"	Set 1 every 35"
Set 2 every 40"	Set 2 every 45"
Set 3 every 60"	Set 3 every 65"
Set 4 every 100"	Set 4 every 110"

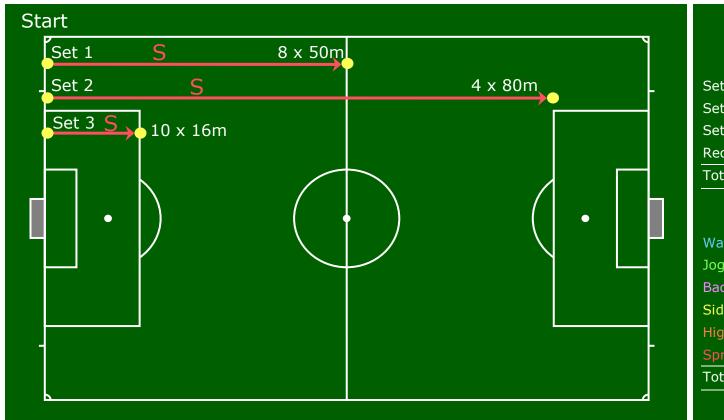
Recovery: 2 min in between each set

Set 2: Again, perform 10 sprints



Extended speed exercise 3





3 sets of fast runs		
Set 1 (8 x 50m)		10 min
Set 2 (4 x 80m)		7.5 min
Set 3 (10 x 16m)		3.5 min
Recovery		2' each set
Total duration		27 min
Walking	W	
Jogging	J	880 m
Backwards	BW	
Sideways	SW	
High intensity	HI	
Sprint	S	880 m
Total distance		1760 m

Set 1: 8 sprints to the midline (50" recovery in between each sprint).

Set 2: 4 sprints of 80 m (70" recovery in between each sprint).

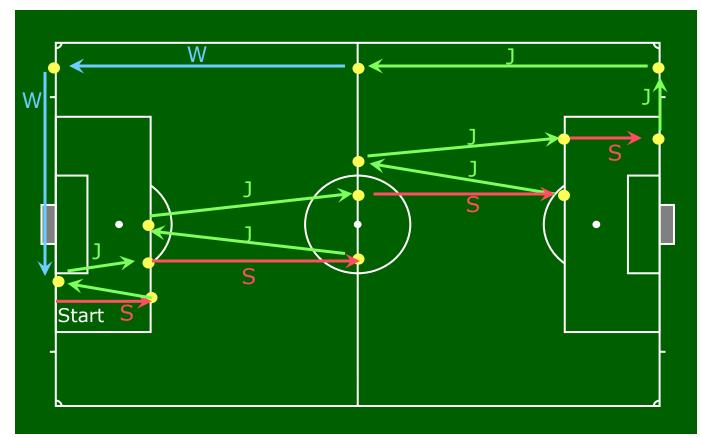
Set 3: 10 sprints to the penalty box (20" recovery in between each sprint).

Recovery: between each set 2'30" or 1 lap of jogging around the pitch.



Extended speed exercise 4





2 sets of 4 laps		
One lap		2′30″
Set 1 (4 laps)		10 min
Recovery		4 min
Set 2 (4 laps)		10 min
Total duration		24 min
Walking	W	720 m
Jogging	J	1504 m
Backwards	BW	
Sideways	SW	
High intensity	HI	
Sprint	S	824 m
Total distance		3048 m

Set 1: Run 4 laps of the extended speed exercise as indicated in the picture.

Recovery: 4 min.

Set 2: Again 4 laps of the same exercise.





Speed and acceleration training, Friday/Saturday

1. Reaction & start speed training

- > aim: to improve and maintain start speed (5-10%)
 - to energize the first sprint step (activate type II Fast twitch fibres)
 - to increase the power of the first 3 to 4 sprint steps

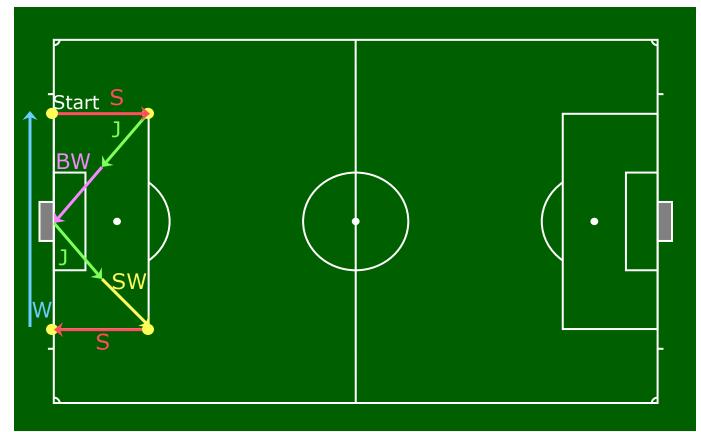
duration	recuperation	intensity	repetitions
1-2 sec	30 sec (reps) 4-6 min (sets)	100% Sp. Max static start	8-10 reps 2-4 sets

> typical characteristics:

- upon a visual signal (as in the game)
- from a static start position (max 5-10 m)
- at the start of the last training session of the week







2 sets of 5 laps		
One lap		1 min
Set 1 (5 laps)		5 min
Recovery		5 min
Set 2 (5 laps)		5 min
Total duration		15 min
		400
Walking	W	400 m
Jogging	J	200 m
Backwards	BW	100 m
Sideways	SW	100 m
High intensity	ΗI	
Sprint	S	320 m
Total distance		1120 m

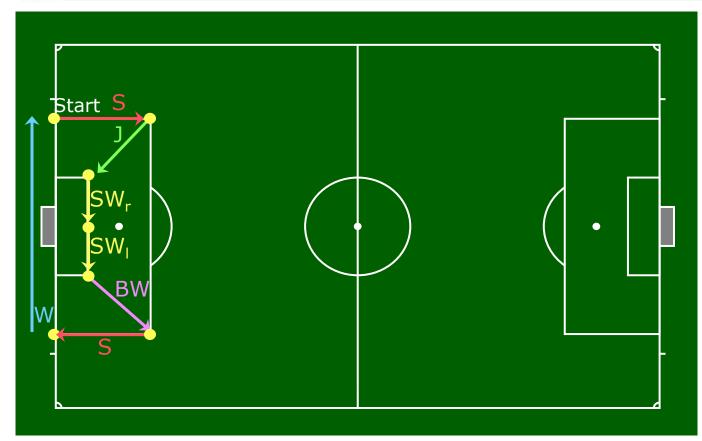
Set 1: Sprint exercise in the penalty box, 5 laps in total. The referee runs with the 4^{th} official and the 2 assistant referees run together.

Recovery: 5 min

Set 2: Sprint exercise in the penalty box, again 5 laps in total







2 sets of 5 laps		
One lap		1 min
Set 1 (5 laps)		5 min
Recovery		5 min
Set 2 (5 laps)		5 min
Total duration		15 min
Walking	W	400 m
Jogging	J	100 m
Backwards	BW	100 m
Sideways	SW	200 m
High intensity	HI	
Sprint	S	320 m
Total distance		1120 m

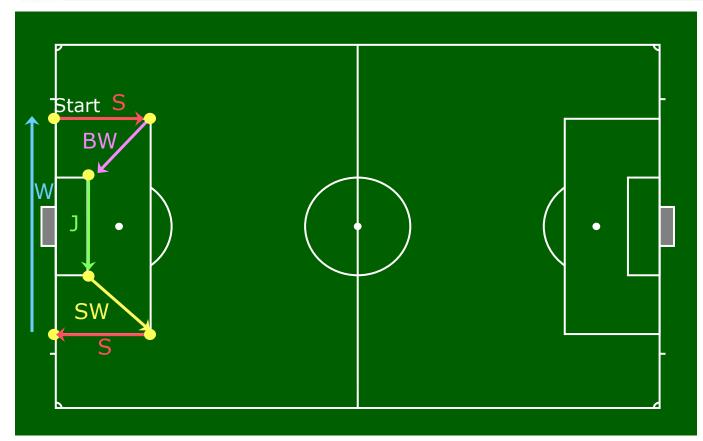
Set 1: Sprint exercise in the penalty box, 5 laps in total.

Recovery: 5 min.

Set 2: Sprint exercise in the penalty box, again 5 laps in total.







2 sets of 5 laps		
One lap		1 min
Set 1 (5 laps)		5 min
Recovery		5 min
Set 2 (5 laps)		5 min
Total duration		15 min
Walking	W	400 m
Jogging	J	200 m
Backwards	BW	100 m
Sideways	SW	100 m
High intensity	ΗI	
Sprint	S	320 m
Total distance		1120 m

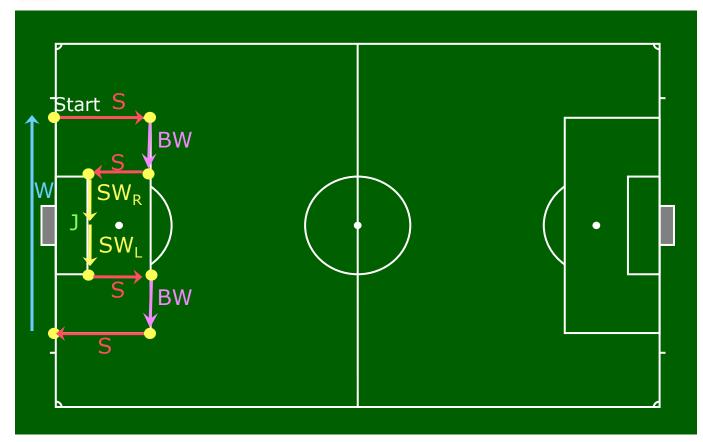
Set 1: Sprint exercise in the penalty box, 5 laps in total

Recovery: 5 min

Set 2: Sprint exercise in the penalty box, again 5 laps in total







2 sets of 5 laps		
One lap		1 min
Set 1 (5 laps)		5 min
Recovery		5 min
Set 2 (5 laps)		5 min
Total duration		15 min
Walking	W	400 m
Jogging	J	
Backwards	BW	200 m
Sideways	SW	200 m
High intensity	HI	
Sprint	S	520 m
Total distance		1320 m

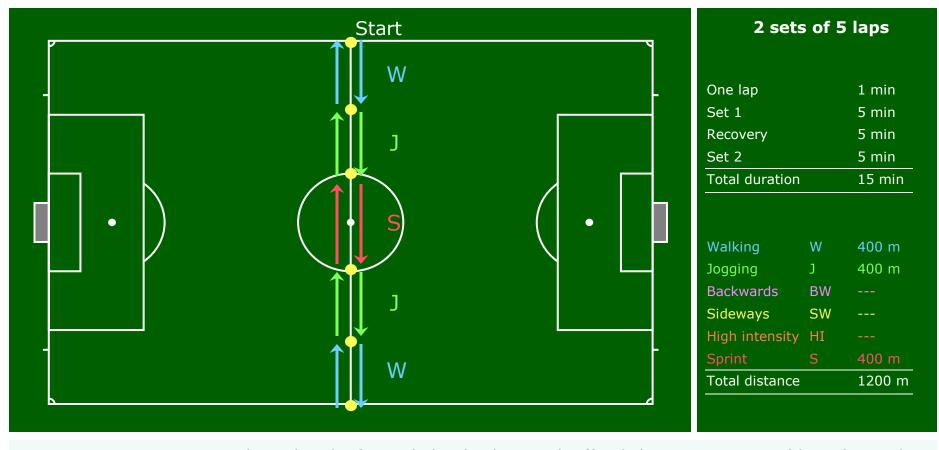
Set 1: Sprint exercise in the penalty box, 5 laps in total

Recovery: 5 min

Set 2: Sprint exercise in the penalty box, again 5 laps in total







Set 1: Sprint exercise as indicated in the figure (5 laps). The match officials line up as a team (the referee, the two assistant referees and the 4th official) and run at the same level.

Recovery: 5 minutes

Set 2: Sprint exercise, again 5 minutes in total. Now, the referees run backwards before the sprint and the assistant referees sideways.





1 min

5 min

5 min

5 min

15 min

400 m

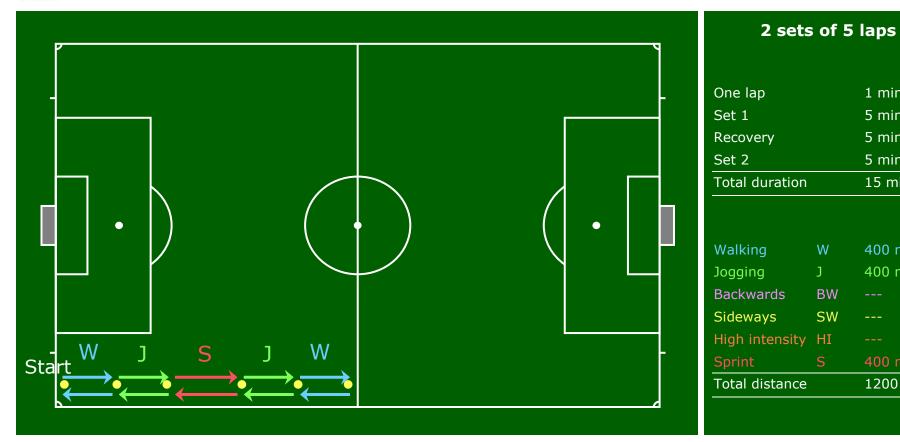
400 m

1200 m

W

BW

SW



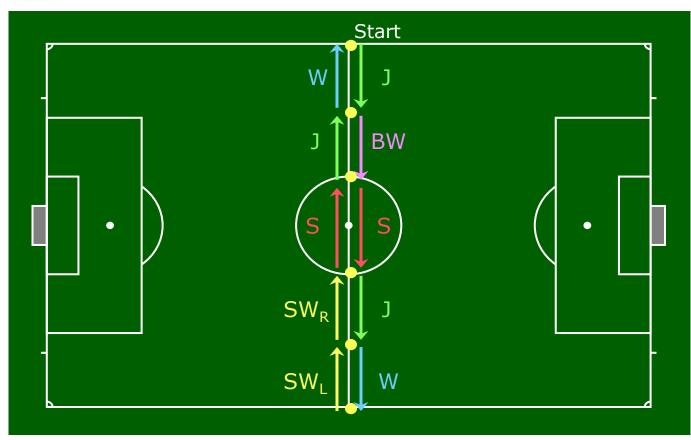
Set 1: Sprint exercise as indicated in the figure (5 laps). The match officials line up as a team (the referee, the two assistant referees and the 4th official) and run at the same level.

Recovery: 5 minutes

Set 2: Sprint exercise, again 5 minutes in total. Now, the referees run backwards before the sprint and the assistant referees sideways.







2 sets of 5 laps		
One lap		1 min
Set 1 (5 laps)		5 min
Recovery		5 min
Set 2 (5 laps)		5 min
Total duration		15 min
Walking	W	200 m
Jogging	J	300 m
Backwards	BW	100 m
Sideways	SW	200 m
High intensity	HI	
Sprint	S	400 m
Total distance		1200 m

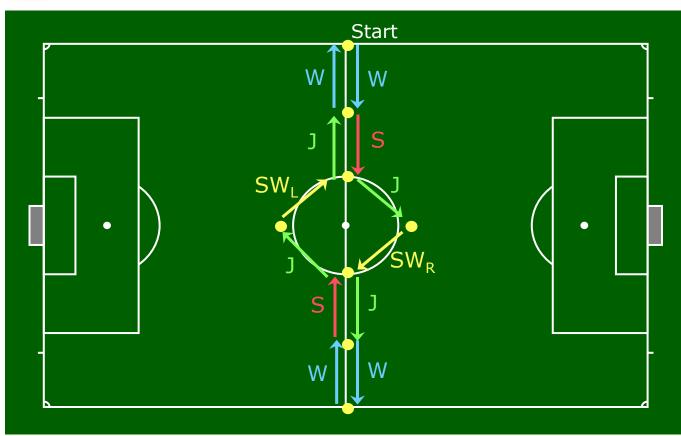
Set 1: Variation on the centre circle sprint, 5 laps.

Recovery: 5 min

Set 2: Variation on the centre circle sprint, 5 laps.







2 sets of 5 laps		
	1 min	
	5 min	
	5 min	
	5 min	
	15 min	
W	400 m	
J	500 m	
BW		
SW	300 m	
HI		
S	200 m	
	1400 m	
	J BW SW HI	

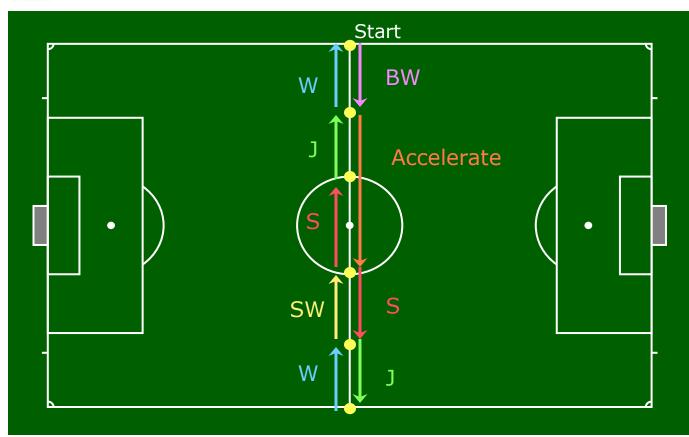
Set 1: Variation on the centre circle sprint, 5 laps.

Recovery: 5 min

Set 2: Variation on the centre circle sprint, 5 laps.







2 sets of 5 laps		
One lap		1 min
Set 1 (5 laps)		5 min
Recovery		5 min
Set 2 (5 laps)		5 min
Total duration		15 min
Walking	W	200 m
Jogging	j	200 m
Backwards	BW	100 m
Sideways	SW	100 m
High intensity	HI	300 m
Sprint	S	300 m
Total distance		1200 m

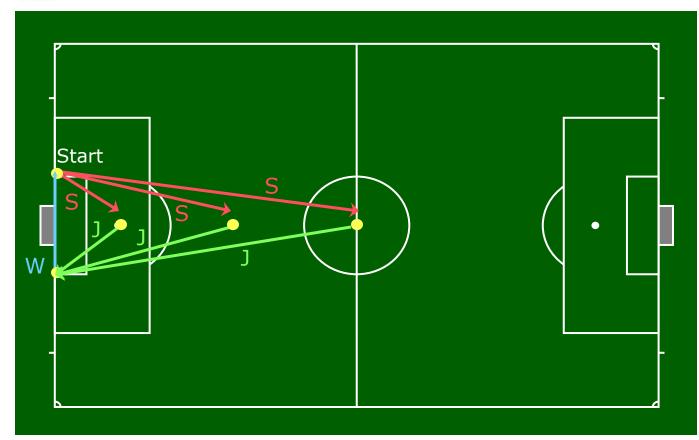
Set 1: Sprint exercise, 5 laps in total

Recovery: 5 min

Set 2: Sprint exercise, again 5 laps in total.







2 sets of 7 sprints		
Set 1 (7 sprint	:s)	5 min
Recovery		5 min
Set 2 (7 sprint	s)	5 min
Total duration		15 min
Walking	W	256 m
Jogging	J	288 m
Backwards	BW	
Sideways	SW	
High intensity	ΗI	
Sprint	S	288 m
Total distance		832 m

Set 1:

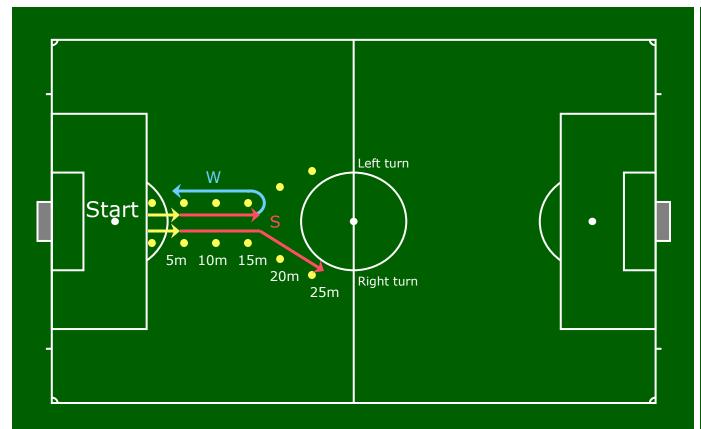
- 1) 11m sprint, 11m jogging, walking to start, 4x
- 2) 25 m sprint, 25m jogging, walking to start, 2x
- 3) 50m sprint, 50m jogging, walking to start, 1x

Recovery: 5 min

Set 2: Same exercise, again 7 sprints







2 sets of 10 sprints		
Set 1 (10 sprir	nts)	5 min
Recovery		5 min
Set 2 (10 sprir	nts)	5 min
Total duration		15 min
Walking	W	300 m
Jogging	J	m
Backwards	BW	m
Sideways	SW	m
High intensity	HI	m
Sprint	S	300 m
Total distance		600 m

Short sprints from a dynamic starting position (heel lifts, knee lifts, sideways L & R, jogging backwards...). Sprinting up and walking down.

Set 1 (right turn): (2 x 5m) - (2 x 10 m) - (2 x 15 m) - (2 x 20 m) - (2 x 25 m)

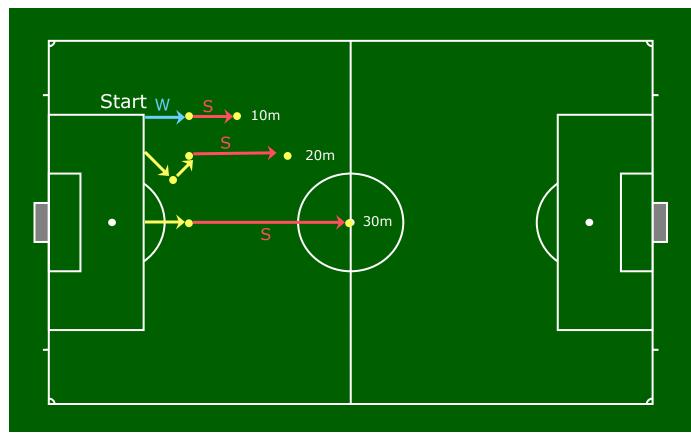
Recovery: 5 min

Set 2 (left turn): (2 x 5m) - (2 x 10 m) - (2 x 15 m) - (2 x 20 m) - (2 x 25 m)



Speed exercise 11 bis





2 sets of 5 sprints		
Set 1 (5 sprint	s)	5 min
Recovery		5 min
Set 2 (5 sprint	s)	5 min
Total duration		15 min
Walking	W	160 m
Jogging	J	
Backwards	BW	
Sideways	SW	
High intensity	ΗI	
Sprint	S	160 m
Total distance		320 m

Set 1: - 10m sprint

- 20m sprint

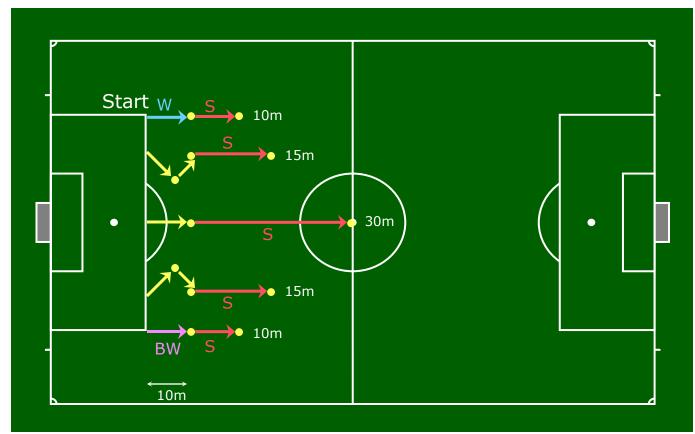
- 30m sprint

Recovery: 5 min

Set 2: Same exercise, again 5 sprints.







2 sets of 5 sprints		
Set 1 (5 sprints)		5 min
Recovery		5 min
Set 2 (5 sprints)		5 min
Total duration		15 min
Walking	W	160 m
Jogging	J	
Backwards	BW	
Sideways	SW	
High intensity	HI	
Sprint	S	160 m
Total distance		320 m

Set 1: - 5x sprints as per the illustration below

- slow walk back to the start after every sprint

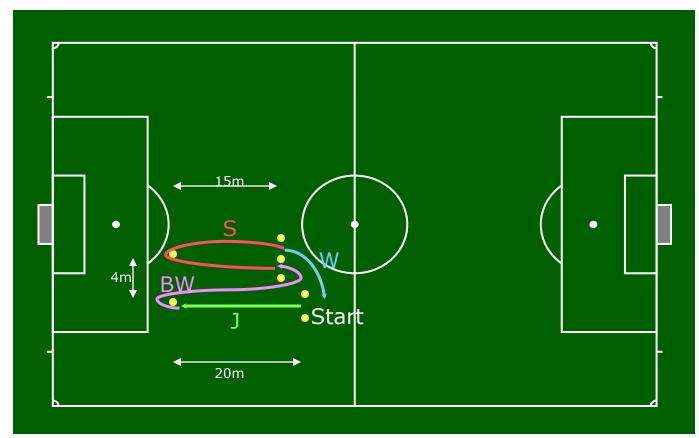
- start each run on every 60"

Recovery: 5 min

Set 2: Same exercise, again 5 sprints.







2 sets of 7 sprints		
Set 1 (5 sprints)		
Recovery		
Set 2 (5 sprints)		
	15 min	
W	100 m	
J	200 m	
BW	200 m	
SW		
HI		
S	300 m	
	800 m	
	w J BW SW HI	

Set 1: - 5x sprints as per the illustration below

- slow walk back to the start after every sprint

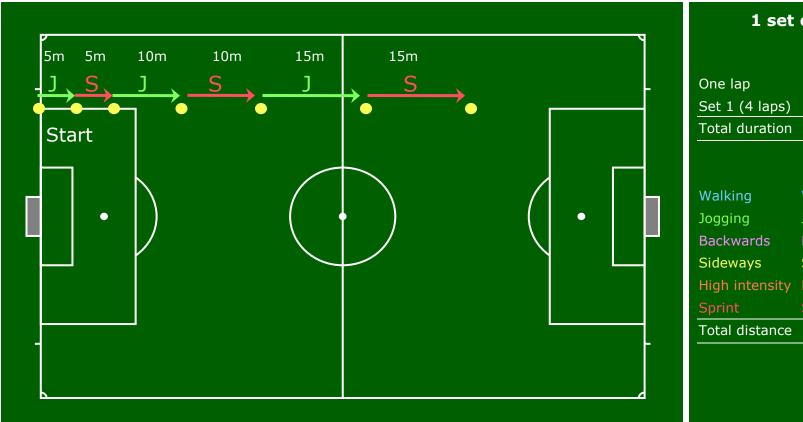
- start each run on every 60"

Recovery: 5 min

Set 2: Repeat set 1







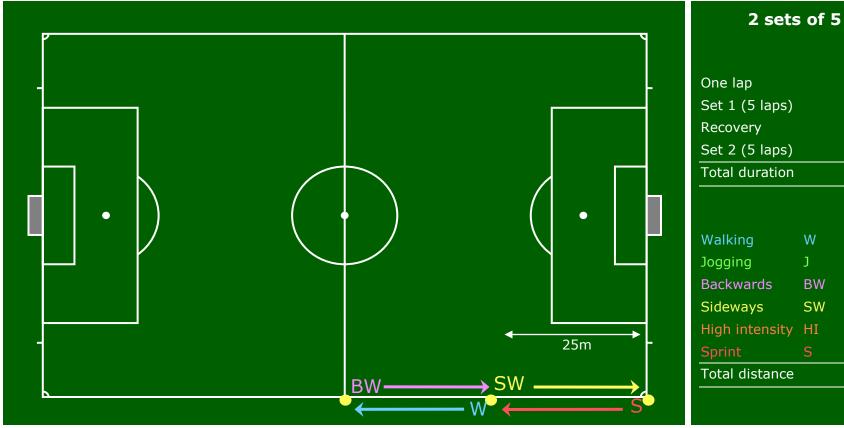
1 set of 4 laps				
One lap		2′30″		
Set 1 (4 laps)		10 min		
Total duration		10 min		
Walking	W	240 m		
Jogging	J	120 m		
Backwards	BW			
Sideways	SW			
High intensity	HI			
Sprint	S	120 m		
Total distance		480 m		

Set 1: Jog to the first cone, sprint to the second cone, jog to the third cone, sprint to the fourth cone, jog to the fifth cone, sprint to the sixth cone. Walk back to the start.

Variation: instead of jogging, run backwards or sideways.





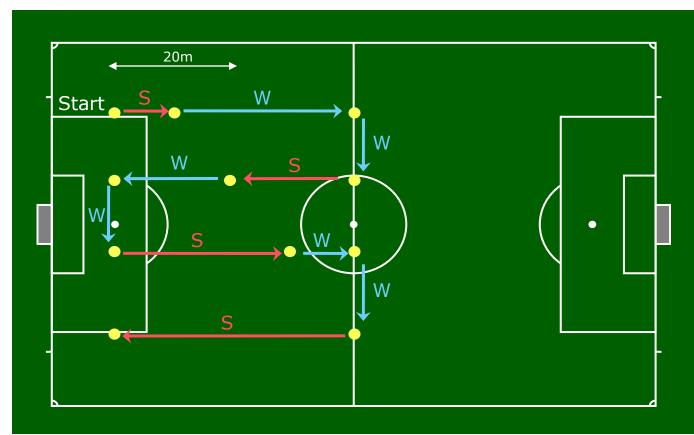


2 sets of 5 laps				
One lap		1 min		
Set 1 (5 laps)		5 min		
Recovery		5 min		
Set 2 (5 laps)		5 min		
Total duration		15 min		
Walking	W	250 m		
Jogging	J			
Backwards	BW	250 m		
Sideways	SW	250 m		
High intensity	HI			
Sprint	S	250 m		
Total distance		480 m		

Set 1: Walk to the first cone, run backwards to the second cone, run sideways to the third cone, sprint to the fourth cone, ...







3 sets of 1 lap			
Set 1 (1 lap)		2 min	
Recovery Set 2 (1 lap)		2 min 2 min	
Recovery Set 3 (1 lap)		2 min 2 min	
Total duration		10 min	
Walking Jogging	W 1	420 m	
Backwards	BW		
Sideways High intensity	SW HI		
Sprint Total distance	S	300 m 720 m	

Set 1: (1) Sprint for 10m, then walk for 30m. (2) Sprint for 20m, then walk for 20m. (3) Sprint for 30m, then walk for 10m. (4) Sprint for 40m.

Recovery: 2 min.

Set 2: Now start first with 40m and then work down to 10m.

Recovery: 2 min.

Set 3: Repeat set 1