RTA Rotational Resistance Meter



- Connection: 19 mm socket wrench (for wrench)
- Connection: 1/2" square (for fitting onto a rotational resistance measuring device)

RTA Rotational Resistance Meter





Description

RTA

The RTA (Rotational Traction Athlete) is a compact, highly accurate tool developed to measure rotational resistance on synthetic turf. It supports all major FIFA test protocols, including:

- Peak Torque Measurement (FIFA Test Method 2024-06)
- Rotational Shear Stiffness (FIFA Test Method 2024-07)
- Lightweight Rotational Resistance (FIFA Test Method 06a – also endorsed by World Rugby)
- Low-angle grip (Torque at 10°)

RTA Rotational Resistance Meter

Specifications

General

Charger type	USB-C
Battery type	18650
Casing	ABS

Measurement range

Operating limits	-20° to +65°C

Sports & Play

Peak Torque Measurement (FIFA Test Method 2024-06)	yes
Rotational Shear Stiffness (FIFA Test Method 2024-07)	yes

Technical specifications

Battery voltage	3.7
IP rating	IP00
Data collection	Playgroundsandpitches app (Android and iOS)

Dimensions

Housing dimensions	10 x 10 x 6.7 cm
Dimensions	10 x 10 x 12 cm
Weight	0.9 kg
Total dimensions (incl. wrench/handle)	10 x 10 x 12 cm