Equipment check

By Daniel Gossen
Differences between rackets

Rackets for kids.
Smaller shape, smaller grip, easier to handle for kids till 10.
Aluminium: Stabil, low-budget
– good for schools.
Differences between rackets

Rackets for pupils and students.
Aluminium: Stabil (don’t brake, just deforms), low-budget.

**Material:** Hardened light aluminium
**Weight:** ~180 gram
**Length:** 58 cm
**Stringing:** 12 kp
Differences between rackets

Rackets for experienced players.
Better quality, no tournament racket.

Material: Graphit composite
Weight: ~174 gram
Length: 58 cm
Stringing: 14 kp
Differences between rackets

For tournament players.
„Small, light, fast“

**Material:** 100% graphite X-Trem
**Weight:** ~ 140g
**Length:** 58,5cm
**Stringing:** 14 – 19kp
Differences between rackets

For professional players.
„Precise, big sweet spot, slower“

**Material:** Carbon  
**Weight:** ~ 145g  
**Length:** 59,5cm  
**Stringing:** 16-19kp
Differences between rackets

For professional players.
„powerful, effective, balanced“

**Material:** graphite C4/Kevlar inlay
**Weight:** ~150g
**Length:** 59,5cm
**Stringing:** 16-19kp
Official ICO Ball

- The Speeder® from Speedminton® is compared to traditional shuttles smaller and heavier, which allows you to play across long distances even in all weather and wind conditions.
- The MATCH Speeder® is the official tournament shuttle of the International Crossminton Organization (ICO) and used by all competitive players. Due to its weight the Speeder® is very fast and guarantees spectacular rallies.
- The newest generation of the Speeder® displays outstanding flight characteristics: Small waves at the end of the shuttle facilitate rotation, providing the Speeder® with more precision and stability during the flight.
- The Speeder® is exclusively produced in Germany using only recyclable and therefore environment friendly high-tech synthetics.
Dampener!? Avoid trampoline effect. -> More control, less power.
Strings

- Many kinds of strings available
- Every string has different characteristics: Elasticity / flexibility, increase in speed, controlling, spin, stability, comfort, feeling for the ball, tension stability)
- Physical properties are different: Material, structur, diameter, colour, surface; ...
Strings

1. Natural Gut
   - Drying fibers extracted from a part of the cow intestine
   - most resilient material
   - maximum tension retention
   - expensive but for many players the most efficient string
   - weatherproof
   - Pirice about 25€

2. Synthetic Gut -> Try to reach characteristics of the natural gut = Nylon
   - most used string
   - inexpensive
   - mono-filament nylon kern and different kinds of weatherproof coating
   - more coating elements mean a better quality of the string
Strings Synthetic strings

Polyester-String (Mono-filament)

- string gauge 1,10 - 1,38 mm
- hi durability
- voltage stable over weeks and flexible

Titanium Strings

Similar to polyester strings
Strings

Synthetic strings

Synthetic natural gut

- mono-filament kern and one or more coats which consist of thin filaments of different materials
- more coating elements mean a better quality of the string and higher price
- more coating elements mean reducing of voltage loss
- arm friendly and high flexibility, low durability
- cheap
Strings Synthetic strings

Multi – filament „Multi“

- kern consists of many filaments of nylon, but can incorporate other materials (polyurethane, Zyex, Vectran, Kevlar).
- arm friendly but not cheap, but usually inferior durability
- better elasticity than single filament strings
- f.e. Wilson NXT Tour, Signum-Pro Fibre HT EXP, Topspin Seven Sence, Kirschbaum Touch Multifibre...
Strings Synthetic strings

Mono-filament structured

- structured surface for more spin effect, e.g., Kirschbaum Spiky, Signum-Pro Poly Speed Spin
- perfect controlling
- flat after 4 till 6h of playing
Strings Synthetic strings

Multi-filament structured

- mono-filament or multi-filament kern coated with different lines
- more arm friendly than mono-filament string
Strings Synthetic strings

Hybrid-Strings

- combination of two different tennis strings, one for longitudinal and one for crosswise
- extrem high durability
Strings

General notices
- as stronger stringed as less power but more control
- strong stringed strings have more feeling for the ball and are more arm-friendly
- thin strings have more flexibility, feeling for the ball, spin and are arm-friendly, but lower durability and voltage stability

Important facts
- avoid hotness and coldness
- no dampness
END OF PRESENTATION