

# Choosing a Suitable Minitramp

The selection decision for a mini trampoline is determined by various decision criteria. The following table contains an allocation of various criteria characteristics for the individual equipment types, enabling the buyer to make a rational, criteria-based selection of the appropriate minitramp.

Equipment Type \ Decision Criterion	GS Certificate	Performance Class	Frame Structure	Tension	Jumping Bed Type	Height Adjustable Feet	Adjustment Range in Degrees	Max. Dip Depth in mm	Target Group	Demand on the Gymnast	Weight in kg	Frame Stand Stability	Outdoor Suitability	Jumping Bed Size in cm	Overall Frame Dimensions in cm
50000	Yes	+	Closed	Steel Springs	Full perlon	Yes	3 – 11.5	430	Top-class / high performance sport	Medium	23 – 29	High	No	60 x 60	112 x 112
50010	Yes	O	Closed	Rubber Cables	Full perlon	Yes	3 – 11.5	430	Mass sport / club sport / school	Low	23 – 29	High	No	60 x 60	112 x 112
50018	Yes	O	Closed	Rubber Cables	Full perlon (with integrated full cover)	Yes	3 – 11.5	430	Mass sport / club sport / school	Low	23 – 29	High	No	60 x 60	112 x 112
50500	Yes	+ +	Closed	Steel Springs	13 mm band bed	Yes	3 – 11.5	430	Top-class / high performance sport	High	23 – 29	High	No	60 x 60	112 x 112
50510	Yes	+	Closed	Rubber Cables	13 mm band bed	Yes	3 – 11.5	430	Mass sport / club sport / school	Medium	23 – 29	High	No	60 x 60	112 x 112
60000	Yes	+	Closed	Steel Springs	Full perlon	Yes	2 – 9	447	Mass sport / club sport / school	Medium	25.5 – 32	High	No	70 x 70	125 x 125
60010	Yes	O	Closed	Rubber Cables	Full perlon	Yes	2 – 9	447	Mass sport / club sport / school	Low	25.5 – 32	High	No	70 x 70	125 x 125
60500	Yes	+ +	Closed	Stahlfedern	13 mm band bed	Yes	2 – 9	447	Mass sport / club sport / school	Low	25.5 – 32	High	No	70 x 70	125 x 125
60510	Yes	+	Closed	Rubber Cables	13 mm band bed	Yes	2 – 9	447	Mass sport / club sport / school	High	25.5 – 32	High	No	70 x 70	125 x 125
45300	Yes	+ + +	Open	Steel Springs	6 mm band bed	Yes	14 – 19	481	Top-class / high performance sport	Low	38.5	High	No	60 x 70	120 x 120
45500	Yes	+ +	Open	Steel Springs	13 mm band bed	Yes	14 – 19	481	Top-class / high performance sport	High	38.5	High	No	60 x 70	120 x 120
45600	Yes	+ +	Open	Steel Springs	13 mm band bed	Yes	14 – 19	481	Top-class / high performance sport	High	38.5	High	No	60 x 70	120 x 120
60020	Yes	+ + +	Closed	Steel Springs	6 mm band bed	Yes	14 - 27	511	Top-class / high performance sport	Very High	42	Very High	No	60 x 70	125 x 130
Dorado	No	+ + +	Closed	Steel Springs	String bed	Yes			Top-class / high performance sport	Very High	79	High	No	60 x 60	124 x 124

- **Mini Trampoline Performance Class:** Minitramps have different jumping features. The suitability of minitramps with different jumping features is dependent on the application and the capability of the jumper. The performance class is based on the combination of jumping bed, tension, frame shape and own weight.
- **Minitramp Frame Structure:** On an open frame, the jumping bed is fixed onto the frame lengthwise. The two ends are finished only with rubber bands. Jumpers can enter the trampoline with no “entry or exit barrier”. With this design, it is important for the jumper to land as near as possible to the centre of the jumping bed. The

- start and end of the jumping bed are significantly softer. Minitramps with closed frame shapes have a more even distribution of force on the bed as a result of the all-round covering.
- **Adjustment Angle in Degrees:** With the height adjustable feet, the equipment can be erected at various angles relative to horizontal. The specifications here refer to the maximum (foot in entry area on lowest setting and foot in exit area on highest setting) and minimum angles achievable (foot in entry area on highest setting and foot in exit area on lowest setting).
  - **Maximum Dip Depth:** This specification refers to the centre point

- of the bed with the equipment on the greatest possible tilt, i.e. at the maximum adjustment angle. Here, the dip depth shows the distance from the centre point of the bed to the ground.
- **Target Groups for Minitramps / Demand on the Gymnast:** Minitramps are used by a wide variety of user groups with specific performance requirements from the equipment. When used in mass sport and for working with certain target groups, a reduced level of performance is suitable or even desirable. The better the jumping features of the minitramp, the greater the resulting strain on the musculoskeletal system of the athlete.

- **Outdoor Suitability:** The trampolines are galvanized. This surface treatment is designed to prevent corrosion in indoor use. The jumping beds consist of bands with no specific UV protection. The standard equipment listed is therefore not suitable for outdoor use.
- **Weight:** A higher weight on a minitramp as a result of extra braces or a greater wall thickness in the steel tubing may result in greater stand and in-use stability of the trampoline. At the same time, however, the equipment handling in erection and dismantling demands greater physical ability from the erectors.