



3D Motion Rack

The Nautilus 3D Motion Rack redefines what a guided barbell system can do by delivering a multi-directional range of motion that follows the natural travel path of an Olympic barbell. Unlike traditional Smith machines constrained to a single fixed linear path, the 3D Motion Rack moves the way the body moves, combining the freedom of free-weight training with the safety and control that supports every athlete from first lift to peak performance. Purpose-built for facilities that take strength training seriously, it optimizes space, reduces noise, and removes the barriers that keep members from training with confidence.



PRODUCT DIMENSIONS	
Width	77 in (196 cm)
Length	71 in (180 cm)
Height	94 in (239 cm)
Overall weight	637 lbs (289 kg)
ADJUSTMENTS & MOVEMENTS	
User defined range of motion	Yes, unique technology provides simultaneous bar movement both vertically and horizontally
Assisted adjustments	Unique design provides the safety of a Smith Machine with the exercise diversity of a Power Rack. Unique technology provides simultaneous bar movement both vertically and horizontally.
Color coded pivot points and adjustments	Color coded pop pin adjustment to hold movement into place for vertical use or loading weights
FRAME SPECIFICATIONS & CABLE INFORMATION	
Standard frame color options	Matte Black (-60)
Frame finish	Electrostatic Powder coating
Customizable paint options available	Yes with additional fees and extended lead times
Customizable branding options available	Yes with additional fees and extended lead times
Bolt down locations defined	Yes
Integrated leveling system	No, rubber feet for floor protection
Hardware type	Hex / Button Head
Tubbing style & thickness	Modern blend of square and round tubing. Most are 3 or 2.5mm / 11 ga
USER SPECIFIC INFORMATION	
Static placards	Yes, intuitive user placards featuring 20 detailed exercise explanations are conveniently located within the unit
Multi-language placards options available	Yes
Animated lenticular	No
Safety catch & stops	Multiple bar rack safety catches offer forward, rear and lower racking for enhanced safety
Water Bottle Holder	No
Phone holder	No
Grip specifications	Integrated multi-grip pull-up station
Restraint system	Bar rack safety catches that travels with system to offer consistent racking for enhanced safety
WEIGHT STACK SPECIFICATIONS	
Plate loaded	Custom rotating 50 lb (23 kg) Olympic bar
Weight storage solution	Complete Olympic plate storage
Add-on resistance available	400 lb (227 kg) max load capacity
SKUS	

NP-L8509