

General Specifications for the Precor Icarian Strength Products

- **Frame:** 11 Gauge (.120”) and 7 Gauge (.188”) 2x4-inch bent electroweld steel tubing. Minimum of 3 standard bolt tabs on appropriate units.
- **Finish:** Abrasive grit pre-finish is followed by electrostatically applied powder coat that is heat cured.
- **Fabric:** Premium quality upholstery with Beautyguard protective topcoat finish. Fabric meets or exceeds California fire regulations (Bulletin 117, section E). Double-layer slipcover in appropriate high wear areas. Double stitching on all seams.
- **Padding:** 2-inch 8-lb high-density foam is used in most areas.
- **Selector Plates:** Each selector plate entirely precision machined on all surfaces. Top plate will have replaceable Igus precision self-lubricating bushings. Black painted protective finish.
- **Guide Rods:** Guide rods will be precision centerless ground, polished, with corrosion-resistant plating for smooth operation and retardation of rust.
- **Cable:** 3/16-inch (7x19) aircraft cable coated with black pressure extruded nylon to ¼-inch or 1/8-inch coated to 3/16-inch. The cable will conform to specification MIL-W-83420D-BARE cable only. Attachments are climbing-rated carabineer design.
- **Pivot Points and Joints:** Pillow block or flange-mount motor grade rotary bearings or sleeve bearings utilizing either oil-impregnated bronze bushings or pre-lubricated Igus nylon bushings.
- **Pulleys:** Glass fiber reinforced nylon pulleys with precision motor grade ball bearings pulleys
- **Linear Bearings:** Oversized linear recirculating ball bearings are self-aligning, sealed, and running on casehardened shafts.
- **Seat adjustments:** Ratcheting seat adjustment with push to release lever on most selectorized machines. On remainder of machines, hardened plunger and snap-pin assembly with easy grip pull-pin and “slide” insert for easy movement of adjustment.
- **Bolts:** Grade 5 black zinc in most applications
- **Handles:** Slip resistant rubber sleeve with machined alloy end-cap.
- **Instructional Placards:** Easy to understand instructional placards are standard on all selectorized units.
- **Weight Stack Positioning:** On most selectorized units, the weight stack is elevated 5 inches to facilitate user pin selection from seated position.
- **Cable Routing:** Wherever possible, redirection pulleys are used to route cables close to frame to minimize chance of external interference.
- **Shrouds:** Selectorized units have rear shrouds of rounded, trapezoidal shaped steel that reduce likelihood of external interference.