



**General Specifications**

Training pits are used extensively in training gyms. They provide a softer landing area that assists in the development of new skills and high repetition training. Most pits are below floor level but in some situations above floor level or moveable pits can be provided.

**Warning**

Pit foam and padding must be in good condition to provide the maximum level of safety.

**Guidelines**

USA GYMNASTICS Safety Handbook for Gymnastics and other Sport Activities

Acromat uses the recommended guidelines for pit sizes and safety requirements set out in the handbook.

**Design and Construction Requirements**

Acromat provides layouts to determine the most efficient use of the gymnasium and ensure there is sufficient landing area for each apparatus. Details will be provided to assist in construction of the pit.

**Pit Equipment**

Acromat will recommend the appropriate apparatus, trampolines, pit edge safety padding, access systems, pit covers and foam fillings.

**Installation**

Acromat's trained engineers will design and supply all fittings required for the installation of the pit equipment.

**Safety**

In the event of fire in the pits containing polyurethane and other foams - toxic smoke and fumes emitted can cause serious risk to life. Extreme care should be taken to prevent the possibility of fire. Fire retardant can be added to the foam. If this is required please specify it when requesting pit information or quotations.

**1 A22-50 Pit Trampoline with Woven Net and Padding**

Trampoline with no frame or springs on landing pit end. Frame is fixed to floor. Carpeted padding on three sides covers springs and frame and provides access. Woven net A22-54, 4270 x2135mm. Springs A12-25, Qty 120. Pit size: Width - 3000mm minimum. Depth under trampoline - 1200mm minimum. Length - 5400mm. Landing area length - 5000mm minimum. Landing area depth - 1800mm minimum.

**2 A22-250 Pit Foam Cubes**

Used in landing pits to provide a soft landing area. **Warning** - Care must be taken to ensure the pit is kept full of foam and it is not packed down hard.

**3 A22-23 Equipment Stand with Access Platform**

Support uprights fitted into each side of the pit suits all horizontal and single bars. One side is fitted with a padded access platform 500 x 500mm that can be locked into position.

**4 A22-29 Pit Edge Safety Padding - Carpeted, Fixed**

Provides protection on the top edge of the pit. Foam core, density 29-32kg/m3 with Acrolite top layer is carpeted and fabricated to suit the shape of the pit. Padding is fixed to the floor with a steel strip fitted in a pocket sewn into the carpet and to a timber member on the pit wall. Size: 290mm wide x 120mm above the floor level.



**5**  
**A22-38 Pit Edge Safety Padding - Carpeted, for Spring Floors and Landing Mats**  
 Used to pad the edge of a spring floor, landing mats or sunken landing mat. Carpet covered Acrolite foam is fixed to the carpeted floor with touch tape. A pocket sewn into the carpet holds a steel strip fixed to the pit wall.

**6**  
**A22-24 Access Platform - Cantilever 1800mm**  
 Allows access to rings or other equipment over a pit. Brackets fixed to floor or wall supports a hinged arm with a padded platform 500 x 500mm.

**7**  
**A22-240 Pit Base - Suspended Air Flow System**  
 Pit base fitted 1200mm below floor level, allows airflow, reduces the volume of foam cubes required and helps prevent foam from packing down. Steel framework fixed to pit wall supports springs A12-25 attached to vinyl coated mesh fabric. Foam layer on the floor of the pit provides additional safety. Pit size: Depth - 1800mm minimum. Width - 3000mm minimum.

**8**  
**A22-85 Pit Covers - Hinged Lift Up**  
 Used where the landing pit needs to be covered to allow other activities. Steel framework panels with 19mm plywood flooring span across the pit are hinged on one side. Anchor point on the other side is provided for the electric hoist A22-87 (ordered separately). This allows the panel to lift up and store vertically. One person operation. Pit edge safety padding is required (ordered separately).

**9**  
**A22-87 Pit Cover Electric Hoist - 3 Phase, 1 Ton**  
 Chain hoist for lifting pit covers. Fittings, guide pulleys and limit switches are included. Beams to support the hoists may need to be installed by the builder.

**10**  
**A22-81 Pit Covers - Removable, Manual Lift Out**  
 Used where the landing pit needs to be covered to allow other activities. Steel framework 600mm wide with 19mm plywood flooring panel span across the pit. Fitted with keyhole plate lifting points. Handles are provided. Two to four people are required to move panels to a storage area. If a travelling electric hoist is used, larger panels can be provided. Removable pit edge safety padding is required (ordered separately).

**11**  
**A22-45 Pit Edge Safety Padding - Carpeted, Removable**  
 Removable padding suits pit covers A22-81 or A22-85. Similar to A22-29 but held in place by studs welded to the steel strip and held to the floor with keyhole floor plates A6-15.

**Gymnastics safety**  
 ACROMAT Pty Ltd would like to point out that gymnastic activities involve the possibility of accidental injury. We stress that our equipment should never be used by anyone who is not properly trained and supervised. The best gymnasts in the world are extremely safety conscious; they know how dangerous it is to use equipment without proper supervision. Be sensible... recognise not only your limitations (as a gymnast or supervisor), but also the limitation of the equipment. Always check apparatus to make sure it is safe before using it.