

## DiveAway Jump System



### **WARNING**

**FOR YOUR SAFETY** – This product must be installed and serviced by a contractor who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exist. The maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. Improper installation and/or operation may void the warranty.



Improper installation and/or operation can create unwanted electrical hazard which may cause serious injury, property damage, or death.

**ATTENTION INSTALLER** – This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner/operator of this equipment.

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## Section 1. Important Safety Instructions

### READ AND FOLLOW ALL INSTRUCTIONS

#### WARNING

##### **PROFESSIONAL INSTALLATION RECOMMENDED**

**Improper installation voids S.R. Smith's Limited Product Warranty.**

POOL WATER ENVELOPE DIMENSIONS MUST MEET OR EXCEED ANSI/APSP/ICC-5 2011 STANDARDS FOR THIS STAND. USE ONLY WITH A COMPATIBLE S.R. SMITH DIVING BOARD. S.R. SMITH DIVING BOARDS AND RELATED EQUIPMENT ARE FOR IN-GROUND POOLS ONLY. DO NOT USE WITH OTHER POOLS, DOCKS, ETC.

Excerpts from the applicable ANSI/APSP/ICC-5 2011 standard are attached and more information on safe installation is available at [www.srsmith.com](http://www.srsmith.com).

**USE WITH AN IMPROPERLY SIZED POOL, INCOMPATIBLE BOARD, OR IMPROPER INSTALLATION MAY RESULT IN DEATH OR SERIOUS INJURY.**

Identify installation site. Board must be placed at deep end of pool on centerline.

**ONLY ONE PERSON ON DIVING PLATFORM AT A TIME WITH A MAXIMUM WEIGHT OF 150 LBS (68 kg).**

#### **IMPORTANT**

**IT IS NECESSARY TO USE AN ANTI-SEIZE COMPOUND ON ALL STAINLESS STEEL HARDWARE. FAILURE TO USE ANTI-SEIZE COMPOUND MAY RESULT IN GALLING AND SEIZING OF THE HARDWARE.**

#### **ATTENTION**

**INSTALLER – THESE INSTRUCTIONS MUST REMAIN WITH PLATFORM OWNER.**

**SAVE THESE INSTRUCTIONS**

## Section 2. Placement

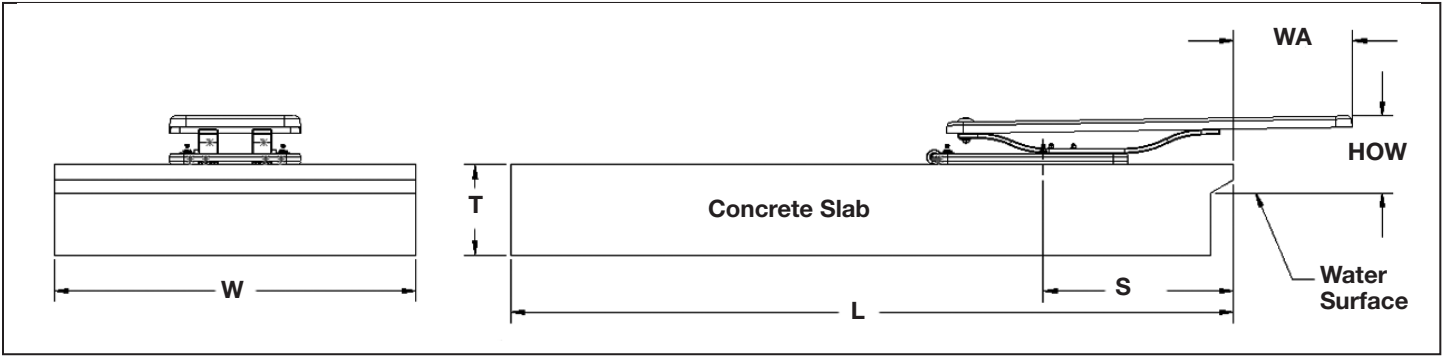


Figure A.

### IMPORTANT NOTICE

S.R. SMITH cannot guarantee customer's concrete strength or thickness.

L (ft.)	W (ft.)	T (in.)	Reinforcing
8.00	4.00	6	#4'S @ 18" o.c. Each Way
5.25	4.00	8	#4'S @ 18" o.c. Each Way
5.00	3.50	10	#4'S @ 18" o.c. Each Way
4.50	3.50	12	#4'S @ 18" o.c. Each Way

Table A. DiveAway Minimum Footing Options

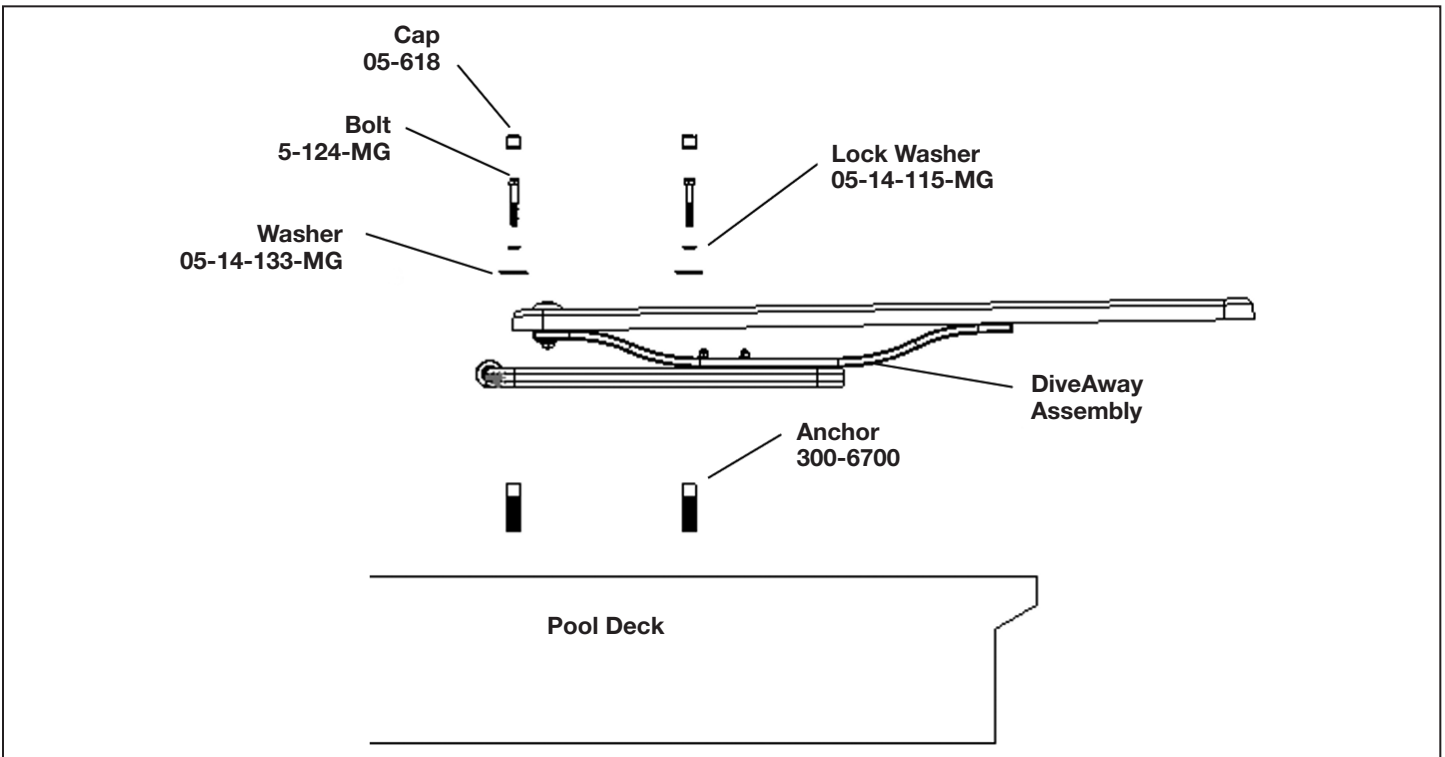


Figure B.

### IMPORTANT NOTICE

IT IS NECESSARY TO USE AN ANTI-SEIZE COMPOUND ON ALL STAINLESS STEEL HARDWARE. FAILURE TO USE ANTI-SEIZE COMPOUND MAY RESULT IN GALLING AND SEIZING OF THE HARDWARE.

Model	Diving Board Length	Distance For Setting Front Bolt of Jig From Water's Edge "S"	Pool Type (ANSI/APSP/ICC-5 2011)	Min. Overhang $\pm 3$ " "WA**"	Max. Height of Board Above Water "HOW"
DiveAway	4.5'	23.0"	I	18"	20"
		23.0"	II	18"	20"
		17.0"	III	24"	26"

**Table B. DiveAway Installation Chart - Refer to Figure A.**

**NOTE:** \*WA dimension is valid only in conjunction with min. depth at Point A (See Section 4, *ANSI Pool Dimensions and Tolerances*, page B) for pool type.

**NOTE:** Be sure concrete deck surrounding anchor complies with minimum dimensions in Table A and Figure A.

<b>IMPORTANT</b>
The distance for setting the front bolt of the jig "S" from the water's edge is valid only if the minimum water depth is maintained at the tip of the board noted at point A in Section 4, <i>ANSI Pool Dimensions and Tolerances</i> , Figure 3 and Table 1 (Page B). If minimum water depth is not maintained the distance "S" must be adjusted accordingly.

<b>⚠ WARNING</b>
<b>PROFESSIONAL INSTALLATION RECOMMENDED</b> Improper installation voids S.R. Smith's Limited Product Warranty.
Verify that the pool water envelope dimensions meet or exceed ANSI/APSP/ICC-5 2011 standards for this board and stand. Excerpts from the applicable ANSI/APSP/ICC-5 2011 standard are attached and more information on safe installation is available at <a href="http://www.srsmith.com">www.srsmith.com</a> . <b>Using the diving board and stand with an improperly sized pool may result in death or serious injury.</b>
Identify installation site. Board must be placed at deep end of pool on centerline.
<b>ONLY ONE PERSON ON DIVING PLATFORM AT A TIME WITH A MAXIMUM WEIGHT OF 150 LBS (68 kg).</b>

## Section 3. Installation

### 3.1 Anchor Installation Into New Concrete Deck

Requires components included in kit 69-209-13 (sold separately).

**Follow these guidelines to make sure that the anchor jig is installed properly:**

1. Minimum concrete slab requirements for the DiveAway:
  - a. Minimum concrete footing dimensions are provided in Table A and Figure A.
  - b. Anchors shall be installed at a minimum of 4" or greater from the edge of the slab or expansion joint.
  - c. Normal weight of concrete = 150 lbs/ft<sup>3</sup>.
  - d. Concrete minimum compressive strength at 28 days to be  $F'c = 2500$  psi.
  - e. Reinforcing bars shall conform to ASTM A615 Grade 60, deformed.
2. Use Figure A and Table B to determine the proper location to install the DiveAway, making certain that the front anchors are located the correct distance from the pool edge.
3. Assemble the deck anchors to the anchor jig as shown below in Figure C. When assembling the flush deck anchors to the new construction jig, make sure that the distance between the top surface of the jig and the top of each anchor is 2.5".
4. Install the anchor jig and reinforcing rods and secure in preparation for pouring concrete.
5. Use the bonding lug provided on the anchor jig to attach the bonding wire per local codes. Contact your local Authority having jurisdiction for the bonding requirements in your area.
6. Make sure that the top of the anchors are flush with the top surface of the slab.
7. Allow concrete to cure per manufacturer's instructions.

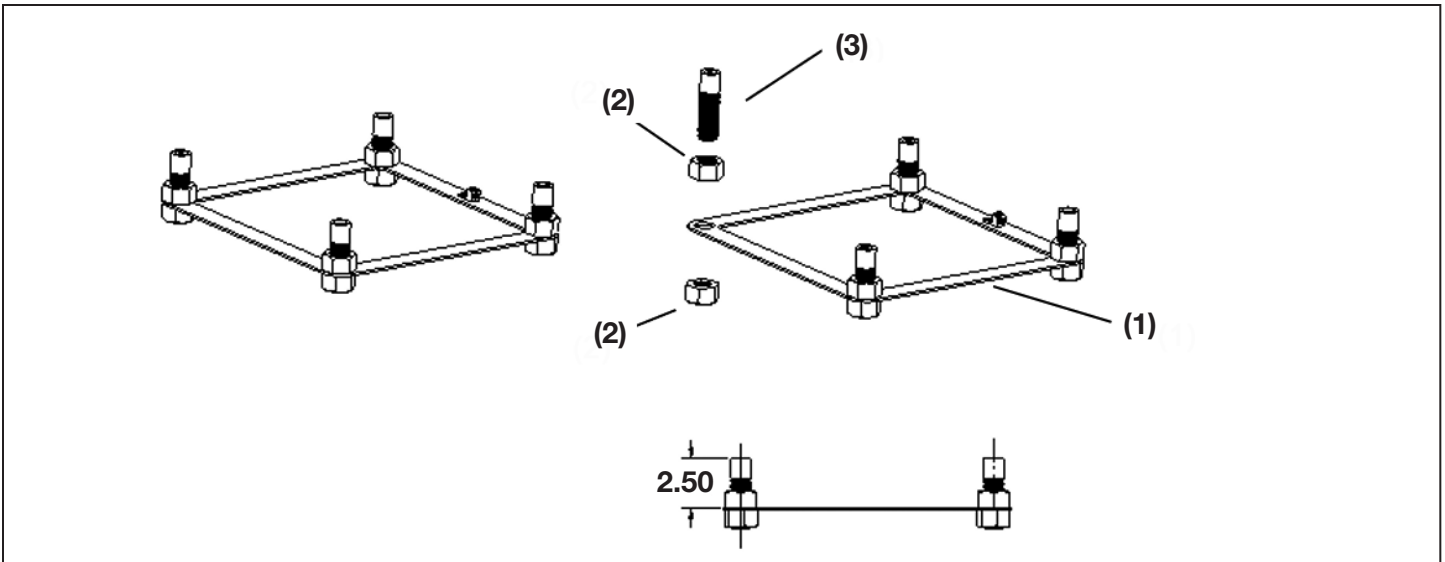


Figure C.

Item No.	Part Number	Description	Qty	Included In Kit #
1	4-554	NEW CONSTRUCTION ANCHOR JIG	1	69-209-013
2	800-0132	HEX NUT, 1"-8 GALVANIZED STEEL	8	69-209-013
3	300-6700	FLUSH DECK ANCHOR	4	69-209-012

8. Install the DiveAway by aligning the mounting holes in the base with the deck anchors and attach using the hardware in the order shown in Figure B. Tighten all mounting bolts until lock washers are fully compressed.
9. The top surface of the diving board from the deck end to the tip end shall be level or have an upward slope of 5/8" per foot (16 mm: 305 mm) maximum. There shall be no downward slope towards the water. The slope shall be measured using a level as shown in Figure G.

### 3.2 Anchor Installation Into Existing Concrete Deck

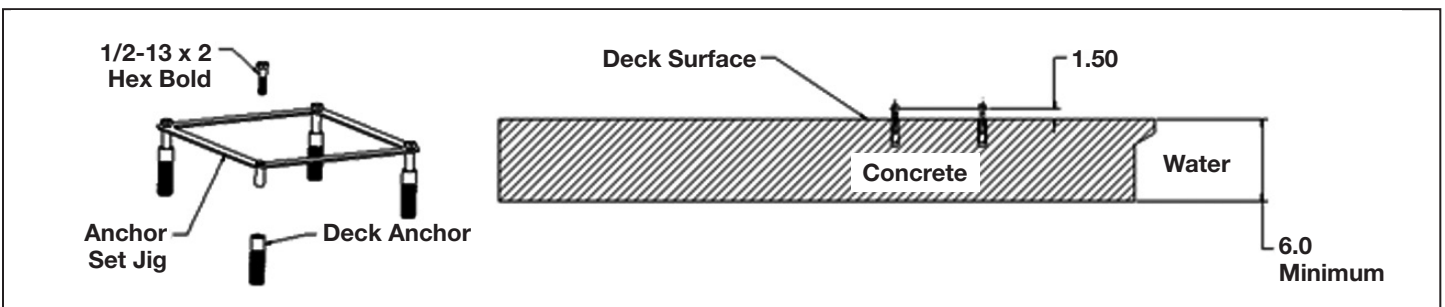


Figure D.

Follow these guidelines to make sure that deck anchors are installed properly:

1. Minimum concrete slab requirements for the DiveAway:
  - a. Minimum concrete footing dimensions are provided in Table A and Figure A.
  - b. Anchors shall be installed at a minimum of 4" or greater from the edge of the slab or expansion joint.
  - c. Normal weight of concrete = 150 lbs/ft<sup>3</sup>.
  - d. Concrete minimum compressive strength at 28 days to be F'c =2500 psi.
  - e. Reinforcing bars shall conform to ASTM A615 Grade 60, deformed.

**Existing slab shall exhibit no signs of cracking or deterioration.**

2. S.R. Smith recommends using Simpson SET epoxy adhesives or equivalent for installation of the deck anchors. Use epoxy adhesives per the manufacturer's instructions.
3. Use Figure A and Table B to determine the proper location to install the DiveAway, making certain that the front anchors are located the correct distance from the pool edge.
4. Layout and mark the hole locations on the deck using the DiveAway Anchor Set Jig as a template.
5. Drill four holes 1.125" diameter and 3.625" deep in the locations marked in Step 4. It is recommended that the anchors are placed into each hole prior to pouring the epoxy to ensure that the holes are drilled to the proper depth.
6. Clean all dust and debris from the holes.
7. The DiveAway Anchor Jig must be used to ensure that the anchors are held in the correct position until the epoxy is cured. To use the Anchor Jig, place the ½"-13 X 2" Hex Bolts through the tubes in the Anchor Jig and thread the bolts into the anchors until the top surface of the anchors contact the bottom of the Anchor Jig tubes. See Figure D.
8. 1-1/2" blocks can be used as spacers between the deck surface and the Anchor Jig to ensure that the tops of the anchors are flush with the deck surface.
9. Fill holes approximately half full with epoxy.
10. Insert deck anchors, making sure that the anchors are flush with the top of the deck.
11. Remove any excess epoxy immediately.
12. Allow the epoxy to cure per the manufacturer's instructions.
13. Install the DiveAway by aligning the mounting holes in the base with the deck anchors and attach using the hardware in the order shown in Figure B. Tighten all mounting bolts until lock washers are fully compressed.
14. The top surface of the diving board from the deck end to the tip end shall be level or have an upward slope of 5/8" per foot (16 mm: 305 mm) maximum. There shall be no downward slope towards the water. The slope shall be measured using a level as shown in Figure G.

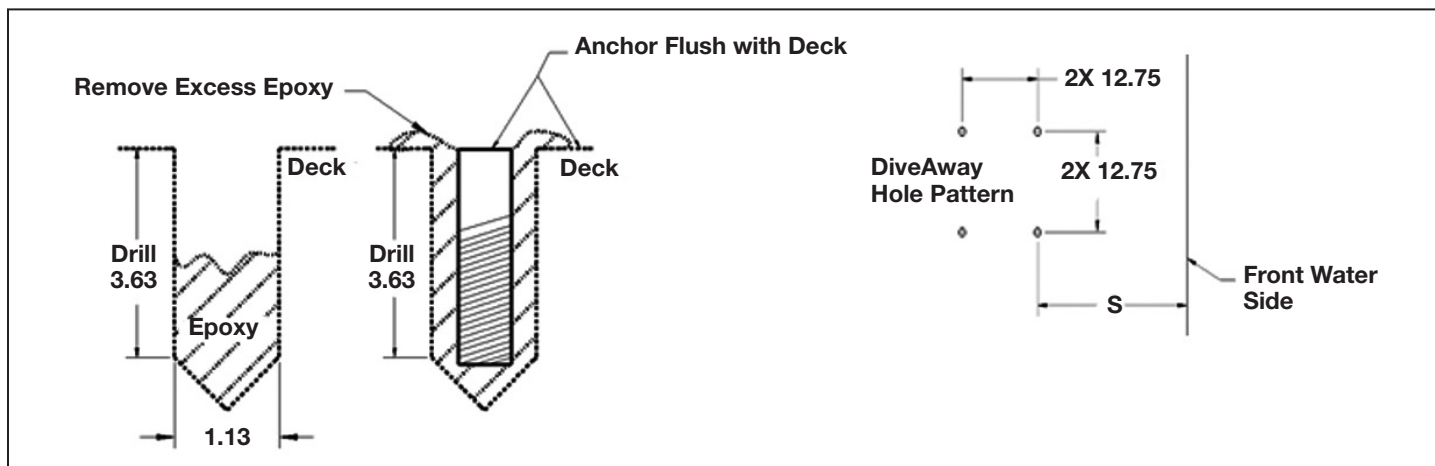


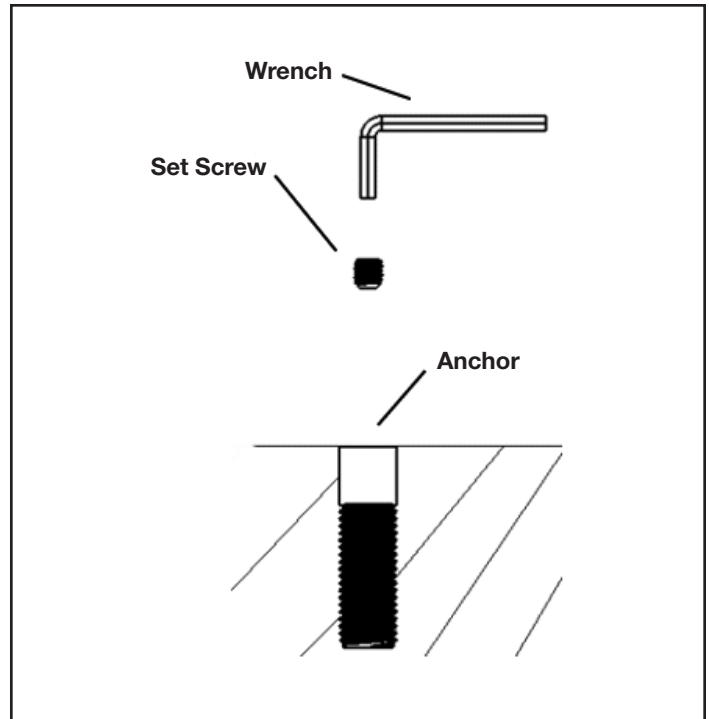
Figure E.

### 3.3 Removing the DiveAway

The DiveAway is designed to be easily removed and stored when not in use. Remove the DiveAway by loosening and removing the anchoring hardware. Once the hardware is removed, place the hardware in a small bag or box to ensure it is not misplaced. Set screws are provided to be installed in the anchors when the DiveAway is removed to prevent the anchors from filling with debris. Use the ¼ hex wrench to install the set screws into the anchors until the top of the set screws are flush with the top of the anchors.

The wheels on the back of the DiveAway can be used to roll the DiveAway to the storage location by lifting the front edge of the board upward until the wheels contact the deck.

Reinstall the DiveAway by aligning the holes in the base with the anchors and attach using the hardware as shown in Figure B. Tighten all mounting bolts until lock washers are fully compressed.



### IMPORTANT

Maximum diving board length, maximum height over water at point A, and minimum cross section dimensions at point A and B shall be in accordance with Table C and Figure F.

Pool Type	Max. Diving Board Length	Max. Height Over Water at Point A	Cross Sectional Dimensions at Point A		Cross Sectional Dimensions at Point B					
	DBL**	HOW**	F	G	H	J	K	L	M	N
0	<b>DIVING EQUIPMENT IS PROHIBITED</b>									
I	6' (1.83 m) DB/ 6' (1.83 m) JB	20" (50.8 cm)	2'-9" (83.8 cm)	5'-0" (1.52 m)	4'-0" (1.22 m)	7'-2 1/2" (2.20 m)	7'-6" (2.29 m)	6'-0" (1.83 m)	3'-9" (1.14 m)	2'-1 1/2" (64.8 cm)
II	8' (2.44 m) DB/ 6' (1.83 m) JB	20" (50.8 cm)	2'-9" (83.8 cm)	3'-10" (1.17 m)	4'-2" (1.27 m)	7'-2 1/2" (2.20 m)	7'-6" (2.29 m)	6'-8" (2.03 m)	3'-9" (1.14 m)	2'-1 1/2" (64.8 cm)
III	10' (3.05 m) DB/ 8' (2.44 m) JB	26" (66 cm)	2'-9" (83.8 cm)	4'-4 3/4" (1.34 m)	4'-4 1/2" (1.33 m)	7'-5 1/2" (2.27 m)	8'-0" (2.44 m)	6'-7" (2.01 m)	3'-11 1/2" (1.21 m)	1'-7 1/2" (49.5 cm)
IV	10' (3.05 m) DB/ 8' (2.44 m) JB	30" (76.2 cm)	2'-9" (83.8 cm)	5'-10 1/2" (1.79 m)	3'-10" (1.17 m)	7'-8" (2.34 m)	8'-6" (2.59 m)	8'-3" (2.51 m)	5'-7" (1.70 m)	2'-7" (78.7 cm)
V	12' (3.66 m) DB/ 8' (2.44 m) JB	40" (1 m)	2'-9" (83.8 cm)	6'-2" (1.88 m)	3'-11 1/2" (1.21 m)	7'-9 1/2" (2.37 m)	9'-0" (2.74 m)	8'-2 1/2" (2.50 m)	5'-9" (1.75 m)	2'-1" (63.5 cm)

**Table C. S.R. Smith Residential Pool Specifications**

**NOTES:**

1. \*\*ABBREVIATIONS: DBL = Diving Board Length, DB = Diving Board, JB = Jump Board, HOW = Height Over Water.
2. IMPORTANT: The walls of a Type I Pool, when defining the Maximum Diving Water Envelope shall be plumb.
3. All dimensions are minimum, except where noted as maximum.
4. One half (1/2) the width shown at each point shall be available on each side of the diving equipment centerline.
5. Minimum water depth under tip of diving board (Point A) is important to maintain.



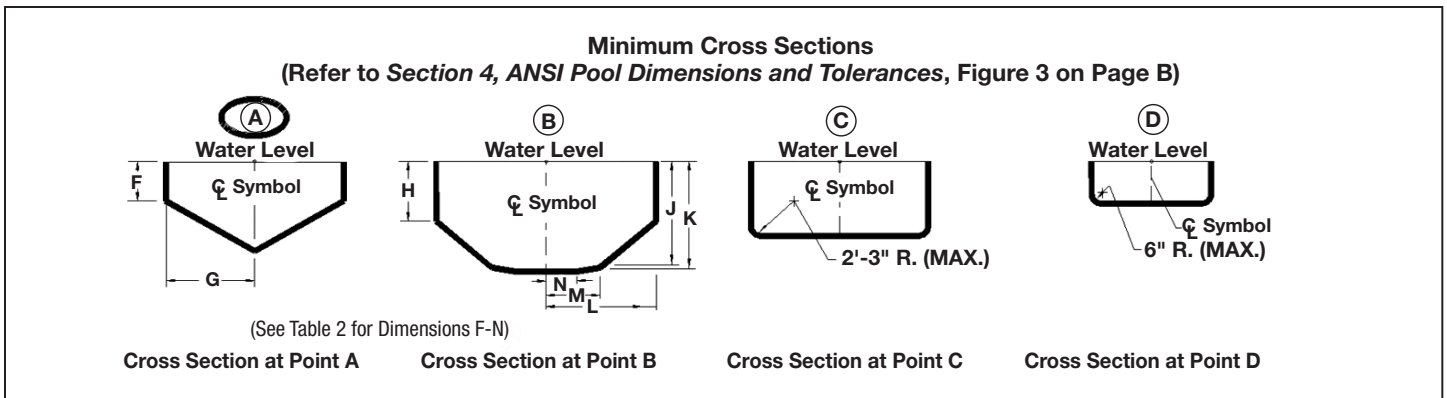


Figure F.

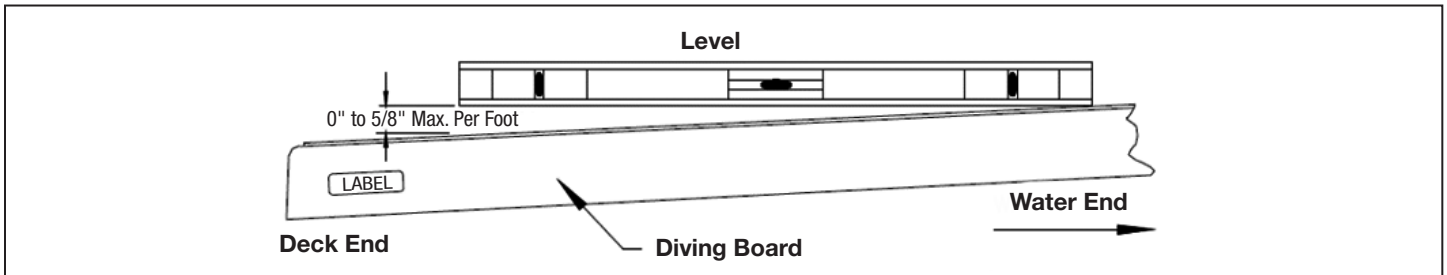


Figure G.

Pool Type	Minimum Headroom Above Diving Surface
I	12 feet (3.7 m)
II	12 feet (3.7 m)
III	13 feet (4 m)
IV	13 feet (4 m)
V	14 feet (4.3 m)

Table D. Minimum Unobstructed Headroom from the Top of the Manufactured Diving Equipment

## Section 4. Article 5 - Pool Dimensions and Tolerances Extracted from the ANSI/APSP/ICC-5 2011 American National Standard for Residential Inground Swimming Pools

### 5 Pool Dimensions and Tolerances

5.1 General requirements. Design dimensions shall comply with the specifications in this standard. The pool shall be constructed to these design dimensions within the tolerances listed in 5.1.1.

5.1.1 Construction tolerances. There shall be construction tolerances allowed on dimensional designs. The length, width, and depth shall be limited to a tolerance of plus or minus 3 in. ( $\pm 76$  mm). All other dimensions shall be limited to a tolerance of  $\pm 2$  in. ( $\pm 51$  mm), unless otherwise specified.

NOTE: Negative construction tolerances shall not be applied to the shallow area dimensions of the Minimum Diving Envelope given in Table 1, p. 4.

Figure 1 Maximum allowable wall slope

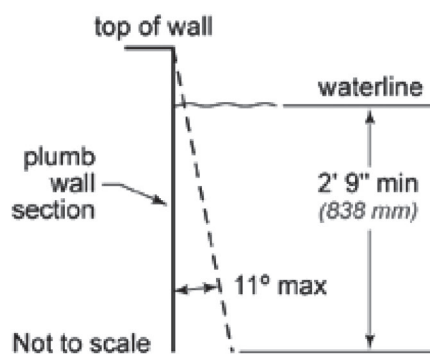
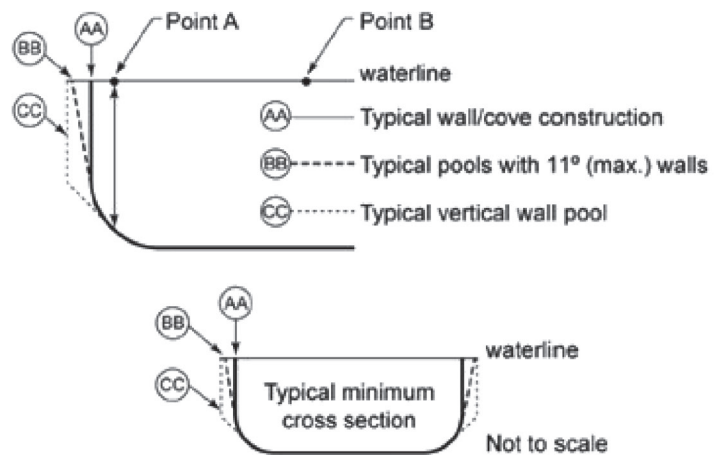


Figure 2 Typical pool design configurations



5.2 Perimeter shape. No limits are specified for shapes of pools. Consideration shall be given to circulation and safety to the user.

### 5.3 Walls—Requirements

5.3.1 Walls in the shallow area and deep area of the pool shall not slope greater than 11° (5:1 slope ratio) to a transition point of the floor (see Figure 1). The transition to the bottom of the pool between points D and E (see Figure 3, p. 5) shall not be less than 2 ft 3 in. (686 mm) below the waterline.

5.3.2 As shown in Figure 2, at the depths of (A) and (B), the walls are permitted to continue to join the floor.

Figure 3 Minimum diving water envelope

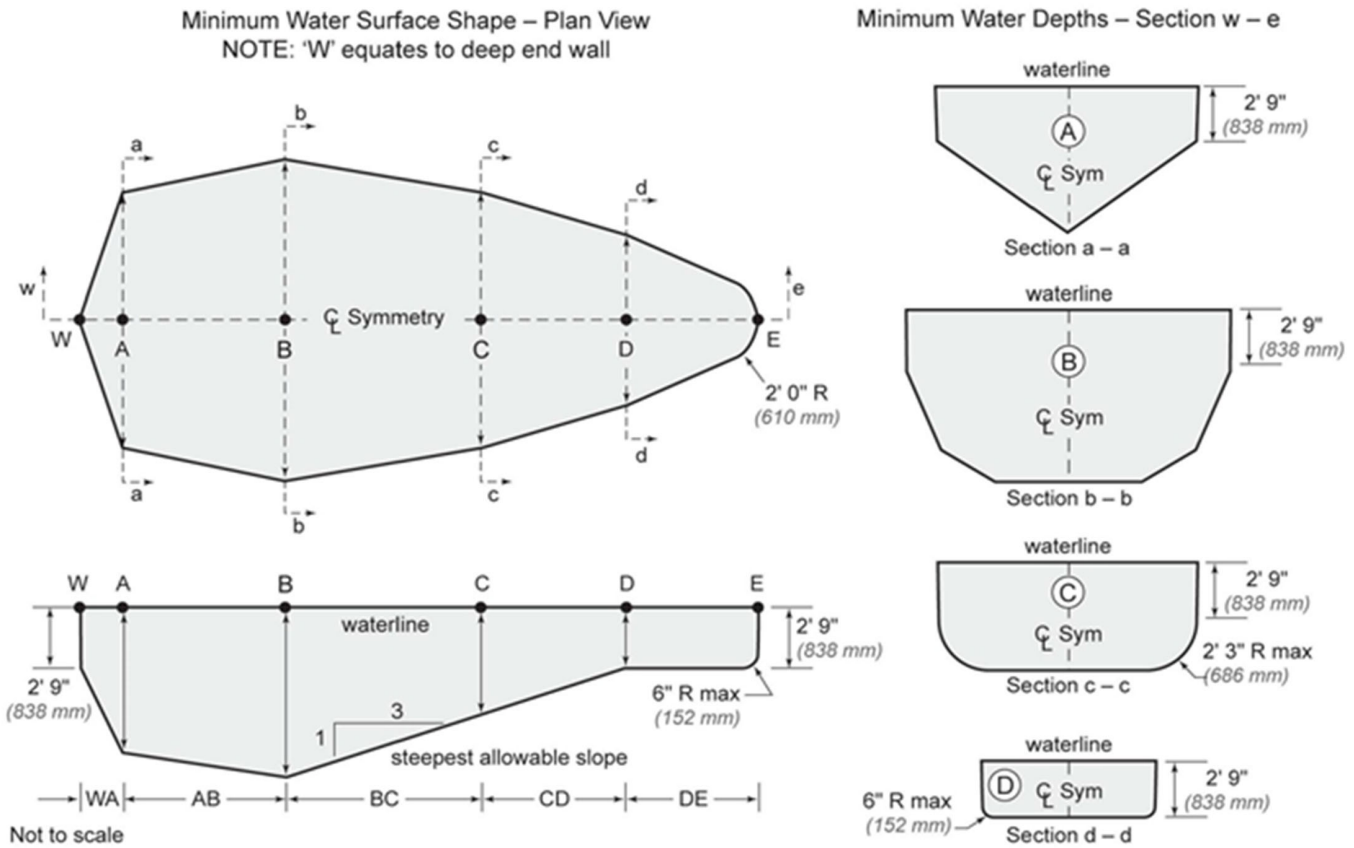


Table 1. Minimum diving water envelope for swimming pools designated types I-V

Pool Types	Minimum Depths at Point				Minimum Widths at Point				Minimum Lengths between Points					
	A	B	C	D	A	B	C	D	WA	AB	BC	CD	DE	WE
0	Manufactured diving equipment is prohibited													
1	6' 0" (1.82 m)	7' 6" (2.29 m)	5' 0" (1.52 m)	2' 9" (838 mm)	10' 0" (3.05 m)	12' 0" (3.66 m)	10' 0" (3.05 m)	8' 0" (2.44 m)	1' 6" (457 mm)	7' 0" (2.13 m)	7' 6" (2.29 m)	Varies	6' 0" (1.82 m)	28' 9" (8.76 m)
2	6' 0" (1.82 m)	7' 6" (2.29 m)	5' 0" (1.52 m)	2' 9" (838 mm)	12' 0" (3.66 m)	15' 0" (4.57 m)	12' 0" (3.66 m)	8' 0" (2.44 m)	1' 6" (457 mm)	7' 0" (2.13 m)	7' 6" (2.29 m)	Varies	6' 0" (1.82 m)	28' 9" (8.76 m)
3	6' 10" (2.08 m)	8' 0" (2.44 m)	5' 0" (1.52 m)	2' 9" (838 mm)	12' 0" (3.66 m)	15' 0" (4.57 m)	12' 0" (3.66 m)	8' 0" (2.44 m)	2' 0" (610 mm)	7' 6" (2.29 m)	9' 0" (2.74 m)	Varies	6' 0" (1.82 m)	31' 3" (9.53 m)
4	7' 8" (2.34 m)	8' 6" (2.59 m)	5' 0" (1.52 m)	2' 9" (838 mm)	15' 0" (4.57 m)	18' 0" (5.49 m)	15' 0" (4.57 m)	9' 0" (2.74 m)	2' 6" (762 mm)	8' 0" (2.44 m)	10' 6" (3.20 m)	Varies	6' 0" (1.82 m)	33' 9" (10.3 m)
5	8' 6" (2.59 m)	9' 0" (2.74 m)	5' 0" (1.52 m)	2' 9" (838 mm)	15' 0" (4.57 m)	18' 0" (5.49 m)	15' 0" (4.57 m)	9' 0" (2.74 m)	3' 0" (914 mm)	9' 0" (2.74 m)	12' 0" (3.66 m)	Varies	6' 0" (1.82 m)	36' 9" (11.2 m)

NOTES

1. Minimum length between points CD may vary based upon water depth at point D and the slope between points C and D.
2. Drawings are not to scale.
3. Negative construction tolerances (see para. 5.1.1) shall not be applied to any of the dimensions shown in the Minimum Water Envelopes given in Table 1.
4. Pool types designate minimum water envelope sizes as specified by the diving board manufacturers.

Figure 4 Offset ledges

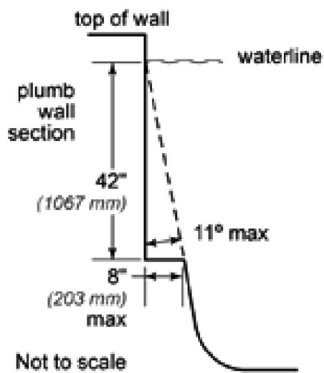
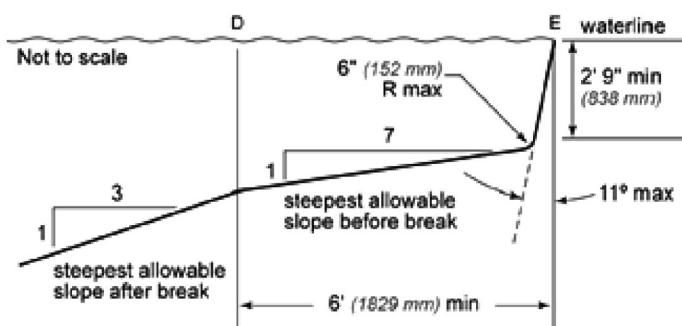


Figure 5 Shallow end depths



**5.4 Offset Ledges**

5.4.1 Offset ledges shall be a maximum of 8 in. (203 mm) wide.

5.4.1.1 Offset ledges located less than 42 in. (1.07 m) below waterline shall be proportionately less than 8 in. (203 mm) wide and fall within 11° from plumb, measured from the top of the waterline (see Figure 4).

**5.5 Floor slopes.** Floor slopes shall be reasonably uniform and comply with paras. 5.5.1 through 5.5.3.

5.5.1 The slope of the floor from the shallow end wall towards the deep area shall not exceed a 1:7 incline to the point of the first slope change, if any (D–E) as shown in Figure 5.

5.5.2 Changes in slope between shallow and deep areas shall be at a minimum water depth of 2 ft 9 in. (838 mm) and be at least 6 ft (1.83 m) from the shallow end, except as specified in para. 6.3.

5.5.3 The slope of the floor shall not exceed a 1:3 incline under the lengths (B–D) of the Diving Envelope (see Figure 5).

**5.6 Shallow end water depths.** Water depth in the shallow area shall be a minimum of 2 ft 9 in. (838 mm), except for those locations specified in para. 6.3 “Shallow End Detail for Beach and Sloping Entries.”

**5.7 Manufactured diving equipment for in-ground swimming pools (diving board/stand combination, manufactured platform, or field fabricated)**

5.7.1 When manufactured or field fabricated diving equipment is installed, it shall conform to the specifications set forth in paras. 5.7–5.9. It shall be located in the deep area of the pool to provide the minimum dimensions as shown in para. 5.8, and shall be installed in accordance with manufacturer’s instructions.

5.7.1.1 Manufactured or field fabricated diving equipment shall be located directly above Point A. Diving equipment shall not be installed on Type O pools (see Table 1).

5.7.1.2 Maximum elevation of a diving board above the water shall be in accordance with manufacturer’s installation instructions. Raised decking may be installed around the diving board up to level with the top of the board.

5.7.2 Manufactured diving equipment installation and use instructions shall be provided by the diving equipment manufacturer and shall specify the minimum water dimensions required for each diving board and diving stand combination. They shall refer to the diving envelope type of their choice by dimensionally relating their products to Point A on the diving envelopes as shown in Figure 3, Table 1, and paras. 5.8.1–5.8.3

5.7.2.2 Diving equipment shall be permanently labeled and affixed to the diving equipment or jump boards and include, but not be limited to the following:

- manufacturer’s diving equipment name and address
- date of manufacture
- minimum diving envelope
- maximum weight limitations.

5.7.2.3 Diving equipment shall have slip-resisting tread surfaces.

**5.8 Figure 3 diagrams show dimension points referred to in Table 1.**

5.8.1 **Point A:** Point A is the point from which all other forward dimensions of width, length, and depth are then established for the Minimum Diving Water Envelope. If the tip of the diving board or diving platform overhang is located at a distance of WA or greater from the deep end wall and the water depth at that location is equal to or greater than the water depth requirement at Point A (see Table 1), then the point on the water surface directly below the center of the tip of the diving board or diving platform shall be identified as Point A.

5.8.1.2 **Location of Point A:** The minimum Diving Water Envelope dimensions for pools with manufactured diving equipment shall be taken from Point A as shown in Figure 3. Point A shall be defined as the point on the water surface where the water depth is required at Point A and is provided at a distance of WA as shown in Table 1 from the deep end

wall. The center of the tip of the diving board, platforms, manufactured or field fabricated shall be located directly above Point A.

**5.8.1.3** Point A as shown in Figure 3 and Table 1 shall be the reference point of origin for all dimensions defining the minimum diving envelope.

**5.8.2** Type O pools (where diving is prohibited) shall not be limited in width, length, or water depth except as specifically provided for in this standard.

Pool Type I 42 in. (1.07 m)

Pool Type II 42 in. (1.07 m)

Pool Type III 50 in. (1.27 m)

Pool Type IV 60 in. (1.52 m)

Pool Type V 69 in. (1.75 m).

**5.8.3** Location of equipment and pool features in the minimum diving envelope. If the pool is designed for use with diving equipment, all steps, pool stairs, ladders, underwater benches, offset ledges special features and other accessory items or any parts thereof, these features shall be located outside the Minimum Diving Envelope (see Figure 6).

### 5.9 Stationary diving platform(s) and diving rock(s).

Stationary diving platform(s) and diving rock(s) built on site field fabricated shall be allowed to be flush with the wall and located in the diving area of the pool. Point A shall be in front of the wall at the platform or diving rock centerline. Diving rocks or platforms are prohibited on Pool Type O.

### 5.10 Stationary diving platform(s) and diving rock(s)

**5.10.1** Stationary diving platform(s) and diving rock(s) shall not be permitted on Pool Type O.

**5.10.2** The maximum height of the stationary diving platform or diving rock above the waterline shall be as follows:

Pool Type I 42 in. (1.07 m)

Pool Type II 42 in. (1.07 m)

Pool Type III 50 in. (1.27 m)

Pool Type IV 60 in. (1.52 m)

Pool Type V 69 in. (1.75 m).

**5.10.3** The diving equipment manufacturer shall specify minimum headroom above water.

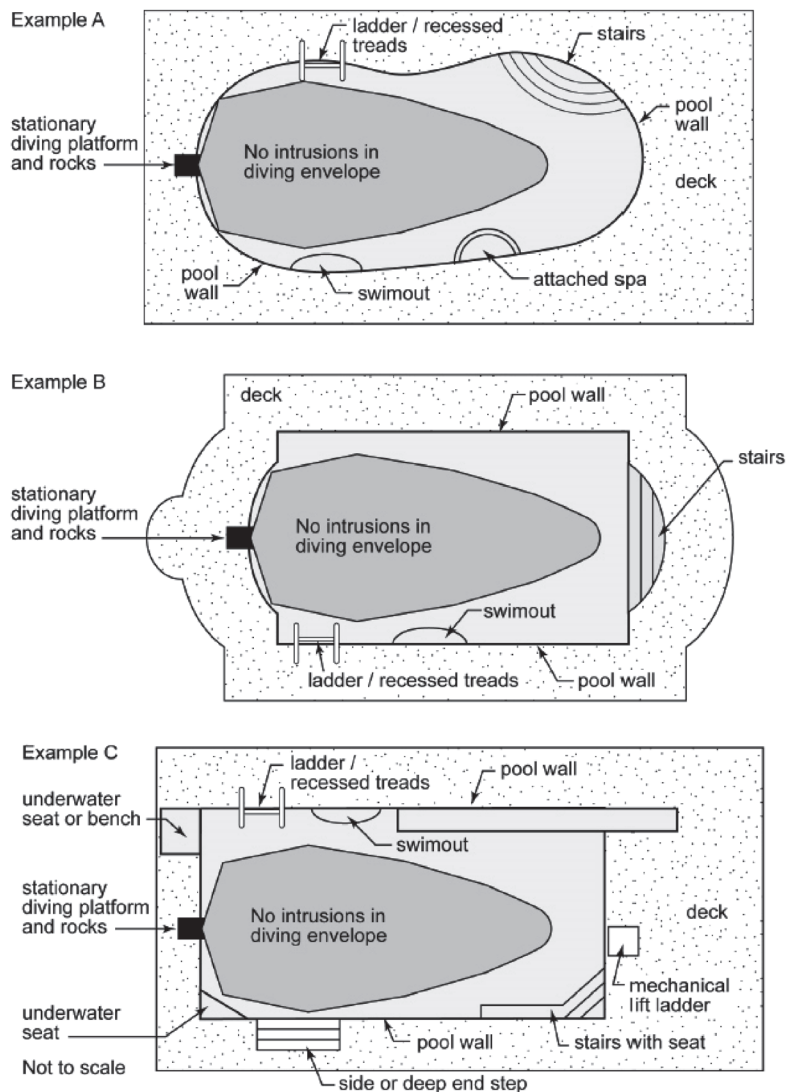
### 5.11 Swimming pool slides

**5.11.1** Slides, where installed, shall be installed in accordance with the manufacturer's specifications and comply with the U.S. Consumer Product Safety Commission (CPSC) Standard for Swimming Pool Slides as published in the Code of Federal Regulations, 16 CFR Ch. II, Part 1207.

**5.11.2** Slides constructed on-site are not covered by this standard.

NOTE: For consumer safety information, warnings, and education programs, see Appendices F, G, and H.

**Figure 6** Top view examples of accessory equipment and pool features prohibited in the minimum diving envelope



**Appendix F  
Recommendations to Warn Against Shallow Water Diving**

This appendix is not part of the American National Standard ANSI/APSP/ICC-5 2011. It is included for information only.

Recommended methods to warn against shallow water diving may include, but not be limited to:

**A. Safety Signs**

It is an open question before the Human Factors Society and others whether signage is an effective means that will modify human behavior to prevent accidents.

If warning signs are used to warn against shallow water diving, the signage should be in compliance with ANSI-Z535 1998 Series of standards for safety signs and colors or the latest revision.

This sign is based upon a study entitled “Design of Swimming Pool Warnings.” This sign has been reviewed by the staff of the U.S. Consumer Product Safety Commission and supports its use.

**B. Additional Signage Use**

The ANSI-Z535 Series of Standards reflects the consensus of various experts on warning sign appearance and content. Signage, which is consistent with the ANSI-Z535 Standards, is permitted to be added to components, equipment, facilities, or installations, to provide additional information.

Manufacturers are permitted to either affix additional signage to their products or packaging, or to supply the signage with the product to be affixed at the time of installation

Figure 8 Sign warning against shallow water diving



**Appendix G  
Safety Considerations and Warning Recommendations**

This appendix is not part of the American National Standard ANSI/APSP/ICC-5 2011. It is included for information only.

The Association of Pool & Spa Professionals (APSP) suggests that the builders/installers of swimming pools advise the initial owner/operator of a residential pool of the following:

**Warning Recommendations:** The APSP suggests the builder/installer advise the pool owner of the risk of drowning, especially for children under the age of five, and the risk of diving into shallow water in one or more of the following ways: verbally, through publications or signage. The following are suggested recommendations:

**Lifesaving Equipment:** The APSP suggests the builder/installer advise the pool owner/operator that basic lifesaving equipment including one or more of the following items should be on hand at all times:

- A light, strong, rigid pole not less than twelve feet (12', 3.7 m) long
- A minimum one fourth inch (6 mm) diameter throwing rope as long as one and one-half (1½) times the maximum width of the pool or 50 feet (15.2 m), whichever is less, which has been firmly attached to a Coast Guard-approved ring buoy having an outside diameter of approximately 15 in. (381 mm), or some other similar flotation device.

**Safety Considerations for Pool Owner/Operators:** For additional safety information see [www.APSP.org](http://www.APSP.org).

This standard does not replace good judgment and personal responsibility. In permitting use of the pool by others, owners/operators must consider the skill, attitude, training, and experience of the expected user. It is the pool owner/operator’s responsibility to learn, understand, and enforce these basic safety principles and rules:

- Encourage children to learn how to swim.
- Never allow diving, jumping or sliding into shallow water.
- Adequate adult supervision is required when the pool is in use.
- Adequate adult supervision is always required when children are present.
- Encourage parents to learn CPR.
- Encourage children to never swim alone.
- Keep all electrical radios, speakers and other appliances away from the swimming pool.
- Do not allow roughhousing and horseplay.
- Keep deck clean and clear of objects that may create a hazard.
- Keep all breakable objects out of the pool area.
- Alcohol consumption and pool activities do not mix. Never allow anyone to swim, dive or slide under the influence of alcohol or drugs.



### Do's and Don'ts for Diving into swimming pools with manufactured diving equipment, diving rocks, and stationary diving platforms:

- Do know the shape of the pool bottom and the water depth before you dive or slide headfirst.
- Do plan your path to avoid submerged obstacles, surface objects, or other swimmers.
- Do hold your head up, arms up, and steer up with your hands.
- Do practice carefully before you dive or slide.
- Do test the diving board for its spring before using.
- Do remember that when you dive down, you must steer up.
- Do dive straight ahead, not off the side of the diving board.
- Don't drink and dive.
- Don't dive or slide headfirst in the shallow part of the pool.
- Don't dive from any place that is not specifically designed for diving.
- Don't ever dive head first into shallow water (5 feet or less).
- Don't dive across the narrow part of the pool.
- Don't run and dive.
- Don't dive from any place that is not specifically designed for diving.
- Don't engage in horseplay on diving or sliding equipment.
- Don't use diving equipment as a trampoline.
- Don't do a back dive.
- Don't try fancy dives; keep the dives simple.
- Don't dive or slide headfirst at or through objects such as inner tubes.
- Don't put diving or sliding equipment on a pool that wasn't designed for it.
- Don't swim or dive alone.
- Don't dive into unfamiliar bodies of water.

Rules for General Use of Swimming Pool Slides.\* Under all circumstances you should prohibit:

- All headfirst entry from slide.
- Horseplay.
- Any slide entries by non-swimmers into deep water, to protect them from drowning.
- Standing on the top of a slide or outside the guardrails.
- Jumping from a slide.
- Diving from a slide.
- Sliding into areas with submerged obstacles, surface objects, or other swimmers.
- Do not engage in extended breath holding activities underwater

\* Consult safe use instructions of the pool slide manufacturer

### Appendix H

#### Safety Brochures and Education Programs

**This appendix is not part of the American National Standard ANSI/APSP/ICC-5 2011. It is included for information only.**

Consumer awareness information is available from the following sources:

- "The Sensible Way to Enjoy Your Inground Swimming Pool" Published by the Association of Pool & Spa Professionals (APSP)
- "Children Aren't Waterproof" Published by the APSP
- "Be Safety Aware" Published by the APSP
- "Layers of Protection" Published by the APSP
- "Pool and Spa Emergency Procedures for Infants and Children" Published by the APSP
- "Knowing How to Dive" Published by the APSP

Copies of the above brochures are available free from the APSP at 703-838-0083, ext. 301.

Also, visit APSP's website at [www.APSP.org](http://www.APSP.org) and consult "Consumer Information."

#### Safety Education Programs and Materials

Educational programs and materials (i.e., seminars, workshops, brochures, videos, instructional guides, etc.) are available from APSP, NSPF, other aquatic safety groups, and by private firms. As a means of communicating useful safety information to pool owners/operators and users, industry members are permitted to provide such information to owners/operators and to request or require owners/operators to sign a statement that they have received, read and will follow the guidelines.

APSP  
2111 Eisenhower Avenue  
Alexandria, VA 22314  
703-838-0083  
[www.APSP.org](http://www.APSP.org)

**For a copy of the complete ANSI/APSP/ICC-5 2011 American National Standard for Residential In-ground**

**Swimming Pools contact:**

**Association of Pool and Spa Professionals**

**2111 Eisenhower Avenue**

**Alexandria, VA 22314**

**Phone: (703) 838-0083**

**[www.APSP.org](http://www.APSP.org)**

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