WARNING
ADULT ASSEMBLY REQUIRED

• Owner's Manual
• Frequently Asked Questions
• Assembly Instructions
• Warranty Information

Manufacturer: Backyard Discovery
3001 North Rouse
Pittsburg, KS 66762
1-800-856-4445

Register your new outdoor product on-line @ www.swingsetsonline.com
(you will also find any updates on assembly instructions and information to
order replacement parts)

Features the SAFE-T-FUSE fastening system.

Save this assembly manual for future reference in the event that
you need to order replacement parts.
PLEASE HAVE THE FOLLOWING INFORMATION WHEN YOU MAKE YOUR CALL:

1 – MODEL NUMBER OF THE PRODUCT LOCATED ON THE FRONT OF THE ASSEMBLY MANUAL
2 – DESCRIPTION OF THE PART FROM THE PARTS LIST

POR FAVOR TENGA VISIBLE LA SIGUIENTE INFORMACIÓN CUANDO LLAME:

1 - NÚMERO DE MODELO DEL PRODUCTO QUE SE ENCUENTRA UBICADO AL FRENTE DEL MANUAL DE ENSAMBLAJE
2 - DESCRIPCIÓN DE LA PIEZA QUE SE ENCUENTRA EN LA LISTA DE PIEZAS
Dear Customer:
Please read entire booklet completely before beginning the assembly process.

Equipment is recommended for use by children 2 to 10 years of age. Structures are not intended for public use. The Company does not warranty any of its residential structures subjected to commercial use such as: Daycare, Preschool, Nursery School, Recreational Park, or any similar Commercial Application.

**WARNING:** This Symbol points out important safety instructions which, if not followed, could endanger the personal safety of yourself and your children and/or damage your property. You MUST read and follow all instructions in this manual before attempting to use this Playground Equipment.

**WARNING:** Children must NOT use this Playground Equipment until unit has been completely assembled and inspected by an adult to insure set has been properly assembled. Please follow all recommendations below. Failure to do so may result in the warranty being void and/or safety violations that could result in serious injury. This manual contains helpful information concerning Assembly Preparation, Installation Procedure, and Required Maintenance. Always keep the safety of your children in mind as your play structure is being built and as your children play with the unit. Before your children play with the unit please review the Operation Instructions with them to help ensure their safety.

**PLEASE RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE. KEEP THEM IN A SAFE PLACE WHERE YOU CAN REFER TO THEM AS NEEDED. IN ORDER TO PROVIDE YOU WITH THE MOST EFFICIENT SERVICE, IT IS REQUIRED THAT YOU PROVIDE US WITH THE PART NUMBERS WHEN ORDERING PARTS.**

**For Your Records:**
Please take time and fill out the information below. This information will be needed for warranty issues.

*Where Purchased:* ______________
*Date of Purchase:* ______________
*Installation Date:* ______________
*Installed by:* ____________________

**Tracking Number Reference Label**
Tracking ID number on the carton and back of the ID plate are included for tracking purposes associated with warranty claims.
Positioning Your Playground Equipment

1. The Playground Equipment is designed to be installed on a level surface by an Adult with an Adult helper. Place in a flat area of your yard to minimize ground preparation.

2. Choose a level location for the equipment. This can reduce the likelihood of the Playground Equipment tipping over and loose-fill surfacing material washing away during heavy rains.

3. Place the equipment not less than 6 ft (1.8 m) from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines, or electrical wires.

4. It is a good idea to place your Playground Equipment in an area that is convenient for adults to watch children at play.

5. Create a site free of obstacles that could cause injuries – such as low overhanging tree branches, overhead wires, tree stumps and/or roots, large rocks, bricks and concrete. We have additional suggestions in the Suggested Playground Surfacing Section.

6. Do not build your Playground Equipment on top of surfacing material.

Suggested Playground Surfacing

- Playground equipment should never be placed on hard surfaces such as concrete or asphalt.
- Do not install loose fill surfacing over hard surfaces such as concrete or asphalt.
- Shredded bark mulch, wood chips, fine sand and fine gravel, are added as shock absorbing materials after assembly. If used properly these materials can absorb some of the impact of a child’s fall.
- All surface material should extend a minimum of 6 feet or (1.8 m) in all directions around the play area.
- Do not apply playground surfacing until after the unit is completely constructed. Playground Equipment should not be built on top of surfacing.
- Use containment, such as digging out around the perimeter and/or lining the perimeter with landscape edging.
- Installations of rubber tiles or poured-in-place surfaces (other than loose-fill materials) generally require a professional and are not “do-it-yourself” projects.
- Shall use Playground Surfacing Materials (other than loose-fill material) which comply with the safety standard ASTM F1292 Standard Specification of Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment.
The following chart explains the fall height in feet from which a life threatening head injury would not be expected

**Critical Heights in feet (m) of Tested Materials**

<table>
<thead>
<tr>
<th>Material</th>
<th>Uncompressed Depth</th>
<th>Compressed Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6&quot; (152mm)</td>
<td>9&quot; (228mm)</td>
</tr>
<tr>
<td>Wood Chips</td>
<td>7' (2.13m)</td>
<td>10' (3.05m)</td>
</tr>
<tr>
<td>Double-Shredded bark mulch</td>
<td>6' (1.83m)</td>
<td>10' (3.05m)</td>
</tr>
<tr>
<td>Engineered Wood Fibers</td>
<td>6' (1.83m)</td>
<td>7' (2.13m)</td>
</tr>
<tr>
<td>Fine Sand</td>
<td>5' (1.52m)</td>
<td>5' (1.52m)</td>
</tr>
<tr>
<td>Coarse Sand</td>
<td>5' (1.52m)</td>
<td>5' (1.52m)</td>
</tr>
<tr>
<td>Fine Gravel</td>
<td>5' (1.52m)</td>
<td>7' (2.13m)</td>
</tr>
<tr>
<td>Medium Gravel</td>
<td>5' (1.52m)</td>
<td>5' (1.52m)</td>
</tr>
<tr>
<td>Shredded Tires*</td>
<td>10-12' (3.0-3.6m)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*This data is from tests conducted by independent testing laboratories on a 6-inch depth of uncompressed shredded tire samples produced by four manufacturers. The tests reported critical heights, which varied from 10 feet to greater than 12 feet. It is recommended that persons seeking to install shredded tires as a protective surface request test data from the supplier showing the critical height of the material when it was tested in accordance with ASTM F1292.

**Operating Instructions:**

**NOTE:** Your children’s safety is our #1 concern. Observing the following statements and warnings reduces the likelihood of serious or fatal injury. Please review these safety rules regularly with your children.

1. On-site adult supervision is **required**.
2. Instruct children **not** to climb when the equipment is wet.
3. Instruct children to **never** crawl on top of a Playground Equipment roof.
4. The parents should have the children **dress appropriately** with well-fitting shoes. Loose clothing such as scarves and ponchos should not be worn. Always take off, tie up or tuck in cords and drawstrings on children’s clothing. These things can get caught on playground equipment and strangle a child.
5. Instruct children **not** to attach items to the equipment that are not specifically designed for use with that equipment (such as ropes, clothesline, pet leashes, etc.).
6. Instruct children to **remove** their bike or other sports helmet before playing on the playground equipment.
7. Instruct children not to use the equipment in a manner other than intended.
Maintenance Instructions:

At the beginning of each play season:

- Tighten all hardware.
- Lubricate all metallic moving parts per manufacture’s instructions.
- Check all protective coverings on bolts, pipes, edges and corners. Replace if they are loose, cracked, or missing.
- All moving parts including swing seats, ropes, cables, and chains for wear. Check rust, or deterioration. Replace as needed.
- Check metal parts for rust. If found, sand and repaint using non Lead-based paint meeting the requirements of Title 16 CRF Part 1303.
- Modifications not approved by the party responsible for compliance could void user’s authority to operate the equipment.
- Check all wood members for deterioration and splinters. Sand down and splinters and replace deteriorating members.
- Reinstall any plastic parts, such as swing seats or any other items that were removed in the cold season.
- Rake and check depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary.

Twice a month during play season:

- Tighten all hardware.
- Lubricate all metallic moving parts per manufacture’s instructions.
- Check all protective coverings on bolts, pipes, edges and corners. Replace if they are loose, cracked, or missing.
- Check all moving parts including swing seats, ropes, cables, and chains for wear, rust, or deterioration. Replace as needed.
- Rake and check depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary.

At the end of each play season or when the temperature drops below 32° F:

- Remove plastic swing seats and other items as specified by the manufacturer and take indoors or do not use.
- Rake and check depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary.

Additional Maintenance:

- Check the swing beam and hardware every two weeks due to wood expansion and contraction. It is particularly important that this procedure be followed at the beginning of each season.
- Inspect all wood members monthly. The grain of the wood sometimes will lift in the dry season causing splinters to appear. Light sand may be necessary to maintain a safe playing environment. Treat your Playground Equipment with stain regularly, to help prevent severe checking/splitting and other weather damage.
We have applied a waterborne transparent stain to your unit. This is done for color only. Once or twice a year, depending on your climate conditions, you must apply some type of protection (sealant) to the wood of your unit. Prior to the application of sealant, lightly sand any “rough” spots on your Playground Equipment. Please note this is a requirement of your warranty.

Creating and maintaining the Playground Equipment on a level location is very important. Make sure the Playground Equipment is level and true once each year or at the beginning of each play season.

Rake the surface periodically to prevent compaction and maintain appropriate depths.

Owners shall be responsible for maintaining the legibility of the warning labels.

Disposal Instructions:

When the Playground Equipment use is no longer desired, it should be disassembled and disposed of in such a way that no unreasonable hazards will exist at the time the unit is discarded.

This package must be kept because it contains important information!
Information on Playground Surfacing Materials:
The following information is from the United States Consumer Product Safety Commission’s Information Sheet for playground surfacing material; also see the following website for additional information: www.cpsc.gov/cpscpub/pubs/323.html

X3. CONSUMER INFORMATION SHEET FOR PLAYGROUND SURFACING MATERIALS

X3.1 Select Protective Surfacing—One of the most important things you can do to reduce the likelihood of serious head injuries is to install shock-absorbing protective surfacing under and around your play equipment. The protective surfacing should be applied to a depth that is suitable for the equipment height in accordance with ASTM Specification F 1292. There are different types of surfacing to choose from; whichever product you select, follow these guidelines:

X3.1.1 Loose-Fill Materials:
X3.1.1.1 Maintain a minimum depth of 9 inches of loose-fill materials such as wood mulch/chips, engineered wood fiber (EWF), or shredded/recycled rubber mulch for equipment up to 8 feet high; and 9 inches of sand or pea gravel for equipment up to 5 feet high. NOTE: An initial fill level of 12 inches will compress to about a 9-inch depth of surfacing overtime. The surfacing will also compact, displace, and settle, and should be periodically refilled to maintain at least a 9-inch depth.

X3.1.2 Use a minimum of 6 inches of protective surfacing for play equipment less than 4 feet in height. If maintained properly, this should be adequate. (At depths less than 6 inches, the protective material is too easily displaced or compacted.) NOTE: Do not install home playground equipment over concrete, asphalt, or any other hard surface. A fall onto a hard surface can result in serious injury to the equipment user. Grass and dirt are not considered protective surfacing because wear and environmental factors can reduce their shock absorbing effectiveness. Carpeting and thin mats are generally not adequate protective surfacing. Ground level equipment such as a sandbox, activity wall, playhouse or other equipment that has no elevated play surface – does not need any protective surfacing.

X3.1.3 Use containment, such as digging out around the perimeter and/or lining the perimeter with landscape edging. Don’t forget to account for water drainage.

X3.1.3.1 Check and maintain the depth of the loose-fill surfacing material. To maintain the right amount of loose-fill materials, mark the correct level on play equipment support posts. That way you can easily see when to replenish and/or redistribute the surfacing.

X3.1.3.2 Do not install loose-fill surfacing over hard surfaces such as concrete or asphalt.

X3.1.4 Poured-In-Place Surfaces or Pre-Manufactured Rubber Tiles — You may be interested in using surfacing other than loose-fill materials – like rubber tiles or poured-in-place surfaces.

X3.1.4.1 Installations of these surfaces generally require a professional and are not “do-it-yourself” projects.

X3.1.4.2 Review surface specification before purchasing this type of surfacing. Ask the installer/manufacturer for a report showing that the product has been tested to the following safety standard: ASTM F 1292 Standard Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment. This report should show the specific height for which the surface is intended to protect against serious head injury. This height should be equal to or greater than the fall height – vertical distance between a designated play surface (elevated surface for standing, sitting, or climbing) and the protective surfacing below – of your play equipment.

X3.1.4.3 Check the protective surfacing frequently for wear.

X3.1.5 Placement — Proper placement and maintenance of protective surfacing is essential. Be sure to:

X3.1.5.1 Extend surfacing at least 6 feet from the equipment in all directions.
This information has been extracted from the CPSC publications “Playground Surfacing — Technical Information Guide” and “Handbook for Public Playground Safety.” Copies of these reports can be obtained by sending a postcard to: Office of Public Affairs, U.S. Consumer Product Safety Commission, Washington, D.C., 20207 or call the toll-free hotline: 1-800-638-2772.

The American Society for Testing and Materials takes no position respecting the validity of any parent right asserted in connection with any item mentioned in this standard. Users of this standard are expressly advised that determination of the validity of any such parent rights, and the risk of infringement of such rights, are entirely their own responsibility.

The standard is subject to revision at any time by the responsible technical committee and must be reviewed every five years and if not revised, either approved or withdrawn. Your comments are invited either for revision of this standard or for additional standards and should be addressed to ASTM Headquarters. Your comments will receive careful consideration at a meeting of the responsible technical committee, which you may attend. If you feel that your comments have not received a fair hearing you should make your views known to the ASTM Committee on Standards. 100 Barr Harbor Drive, West Conshohocken, PA 19428.
Outdoor Product Assembly Manual FAQs:

1. Is the wood treated with chemicals? Backyard Discovery uses 100% Chinese Cedar wood which is naturally bug resistant, decay and rot resistant. To help ensure your families safety, our wood is completely chemical free and we do not use pressure-treated wood. The stain we use is a top coat using a water-based product that is for appearance only.

2. How often should the product be stained? Backyard Discovery recommends the product be stained once each year. A water or oil based stain can be used at the customer’s discretion.

3. Why does it seem that my product is developing cracks? Wood is a natural material; no two pieces are exactly alike. Each piece has its own characteristics and personality and reacts differently to climate changes. When any wood product is exposed to the elements, it develops “wood checks”. A check is the radial separation of the wood fibers running with the grain of the wood. These are caused by the varying temperature and moisture conditions. A check is not a crack – it does not affect the strength or durability of the wood or structural integrity of the product.

4. Do Backyard Discovery products come with a warranty? Yes. All Backyard Discovery products carry a 1-year replacement warranty on all parts for manufacturer’s defect. Our wood carries a 5 year warranty on rot and decay as well. Please see warranty details for more information.

5. What is the best way to get started assembling the product? Backyard Discovery recommends taking all the parts out of the boxes and arranging them by part number before you begin any assembly. This will not only allow faster assembly, but will also identify any parts that may be missing or damaged so they can be replaced before assembly. If parts are missing or need replacement, go to www.swingsetsonline.com/support.aspx and follow the prompts to order them. Next, read the assembly manual and get the tools ready for the job as recommended in the manual. If the assembly manual is lost or misplaced a new one can be printed from Backyard Discovery’s website: www.swingsetsonline.com.

6. The 2”x4” boards do not measure 2” x 4”. Why not? In the U.S. it’s common practice to describe lumber dimensions using the rough cut sizes from the sawmill and not the finished dimensions. Retailers, home stores, etc. all use this accepted practice for describing lumber dimensions. However, Backyard Discovery products are designed and constructed using the actual dimensions so everything fits properly and remains so during the life of the product.

For more information and frequently asked questions, please refer to our website at www.swingsetsonline.com.
Tools Required for Installation:
(These are the tools that are generally required for assembly of our outdoor products. These tools are not included with the outdoor product purchase.)

(Cordless Drill or Electric Drill)

(Drill Attachments: Phillips Head)

(Phillips Screw Driver)
Basic Setup Dimensions

Place the sand box on level ground.

General Information:
Your set has been designed and engineered for children only and for residential use only. A maximum of 150 lbs. per child is recommended for play activities designed for individual use. A maximum of 120 lbs. per child is recommended for play activities designed for multiple child use. A maximum of 4 children is recommended for this swing set.

Important Assembly Notes

1) Tighten bolts securely, tighten nuts on bolts flush to the tube or member, and place caps over exposed bolts snug to the nut.
2) Pay close attention to the ITEMS NEEDED FOR EACH PHASE. They can be a valuable aid when sorting your wood and hardware. Assembly will be made easier if items are sorted by phase.
3) Pay close attention to make sure you are using the correct hardware in the correct phases. Using incorrect hardware may result in improper assembly.
4) Whenever a T-nut is used, follow these directions. Place T-nut in pre-drilled hole. Tap in with hammer. Place bolt with washers in the opposite side. Hand tighten to make sure the bolt is in the T-nut. DO NOT over tighten.
5) Read the steps of each phase thoroughly. The written steps may include important information not shown in the illustrations.
Parts Identification
Wood Components
(NOT TO SCALE)

G1 - SANDBOX LONG SIDE - W103954
1"x5 1/4"x41 3/4" (24x134x1060)

G2 - SANDBOX SHORT SIDE - W103955
1"x5 1/4"x39 7/8" (24x134x1012)

Q1 - SANDBOX SUPPORT - W103956
1"x4 3/8"x8" (24x112x202)

G3 - SANDBOX SEAT - W103957
1"x5 1/4"x13 1/8" (24x134x332)
Parts Identification

Hardware (to scale)
Accessories (not to scale)

(9) BN - SCREW PFH 8x1 - H100085
(70) BS - SCREW PFH 8x1 3/4 - H100089
(18) SM - LAG SCREW WH PH 10x2-1/2 - H100177
(4) CY - SCREW PWH 8x5/8 - H100128
(18) SN - WASHER LOCK EXT 5x11 - H100178

(8) WZ - BUNGEE CORD BUTTON - A100404
(1) SQ - "A" REVISION TAG - A100314
(8) XA - SANDBOX BUNGEE - A100405

(1) XY - 160x160 MESH SANDBOX COVER - A100416
(1) - BYD ID TAG (MEDIUM) AGES 2 TO 10 - A4M00528
**STEP 1**

ATTACH (1) G1 BOARD WITH (1) G2 BOARD WITH ENDS FLUSH USING HARDWARE AS SHOWN THROUGH PRE DRILLED HOLES.

REPEAT WITH REMAINING (3) G1 BOARDS AND (3) G2 BOARDS.

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**G1 - SANDBOX LONG SIDE - W103954**
1"x5 1/4"x41 3/4" (24x134x1060)

**G2 - SANDBOX SHORT SIDE - W103955**
1"x5 1/4"x39 7/8" (24x134x1012)

**LAG SCREW WH PH 10x2-1/2**

**WASHER LOCK EXT 5x11**
STEP 2

BOX THE (4) G1 AND G2 SUB ASSEMBLIES USING HARDWARE AS SHOWN. MAKE SURE ALL ENDS ARE FLUSH WITH EACH OTHER.
STEP 3

ATTACH (4) Q1 BOARDS TO G1 AND (4) Q1 BOARDS TO G2 BOARDS FLUSH WITH BOTTOMS USING HARDWARE AS SHOWN THROUGH PRE DRILLED HOLES.

Q1 - SANDBOX SUPPORT - W103956
1"x4 3/8"x8" (24x112x202)

SCREW PFH 8x1 3/4 —
(48 PLCS)

4 1/2" (TYP)

(48) SCREW PFH 8x1 3/4
STEP 4

G3 - SANDBOX SEAT - W103957
1"x5 1/4"x13 1/8" (24x134x332)

(1) SQ - "A" REVISION TAG - A100314

SCREW PWH 8x5/8
(2 PLCS)
STEP 5

ATTACH (4) G3 SANDBOX SEATS TO THE TOPS OF Q1 BOARDS AND FLUSH TO G1 AND G2 BOARDS USING HARDWARE AS SHOWN THROUGH PRE DRILLED HOLES.

SCREW PFH 8x1 3/4
(16 PLCS)
**STEP 6**

**ATTACH (2) WZ BUNGEE CORD BUTTONS TO EACH SIDE OF SANDBOX FRAME WITH SPACING SHOWN BELOW USING HARDWARE AS SHOWN.**

![Diagram of sandbox frame with hardware and buttons attachment]
STEP 7

CENTER XY SANDBOX COVER AND ATTACH WITH (8) XA BUNGEE.

(1) XY - 160x160 MESH SANDBOX COVER - A100416

(8) XA - SANDBOX BUNGEE - A100405
STEP 8

ATTACH ID PLATE.

(1) - BYD ID TAG (MEDIUM) AGES 2 TO 10 - A4M00528

(2) SCREW PWH 8x5/8

SCREW PWH 8x5/8 (2 PLCS)
Limited Warranty

This Limited Warranty by Backyard Discovery applies to products manufactured under the Backyard Discovery brand or its other brands including but not limited to Backyard Botanical, Adventure Playsets, and Leisure Time Products.

Backyard Discovery warrants that this product is free from defect in materials and workmanship for a period of one (1) year from the original date of purchase. This one (1) year warranty covers all parts including wood, hardware, and accessories. All wood carries a five (5) year pro-rated warranty against rot and decay. Refer to the schedule below for charges associated with replacement of parts under this Limited Warranty. In addition, Backyard Discovery will replace any parts within the first 30 days from date of purchase found to be missing from or damaged in the original packaging.

This warranty applies to the original owner and registrant and is non-transferable. Regular maintenance is required to assure maximum life and performance of this product and failure by the owner to maintain the product according to the maintenance requirements may void this warranty. Maintenance guidelines are provided in the Owner’s Manual.

This Limited Warranty does not cover:

- Labor for any inspection
- Labor for replacement of any defective item(s)
- Incidental or consequential damages
- Cosmetic defects which do not affect performance or integrity of a part or the entire product
- Vandalism, improper use, failure due to loading or use beyond the capacities stated in the applicable Assembly Manual.
- Acts of nature including but not limited to wind, storms, hail, floods, excessive water exposure
- Improper installation including but not limited to installation on uneven, unlevel, or soft ground
- Minor twisting, warping, checking, or any other natural occurring properties of wood that do not affect performance or integrity

Backyard Discovery products have been designed for safety and quality. Any modifications made to the original product could damage the structural integrity of the unit leading to failure and possible injury. Modification voids any and all warranties and Backyard Discovery assumes no liability for any modified products or consequences resulting from failure of a modified product.

This product is warranted for RESIDENTIAL USE ONLY. Under no circumstance should a Backyard Discovery product be used in public settings. Such use may lead to product failure and potential injury. Any and all public use will void this warranty. Backyard Discovery disclaims all other representations and warranties of any kind, express or implied.

This Warranty gives you specific legal rights. You may have other rights as well which vary from state to state or province to province. This warranty excludes all consequential damages, however, some states do not allow the limitation or exclusion of consequential damages and therefore this limitation may not apply to you.

<table>
<thead>
<tr>
<th>Pro Rated Part Replacement Schedule</th>
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</thead>
<tbody>
<tr>
<td><strong>Product Age</strong></td>
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<tr>
<td><strong>All Parts</strong></td>
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<tr>
<td>0-30 days from date of purchase</td>
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<tr>
<td>31 days to 1 year</td>
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<tr>
<td><strong>Wood Rot and Decay Only</strong></td>
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<td>1 year</td>
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<td>3 years</td>
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<tr>
<td>5 years</td>
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<td>Over 5 years</td>
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