



# BUILD A GREAT CHILDREN'S BBQ

## SMILES AND MEMORIES WITH PORTA

### Tools you'll need:

- Cordless Drill
- Mitre Saw
- Jig Saw
- Hole saw set
- Clamps
- Measure
- Straight edge
- Paint brush
- Safety gear

### Timber you'll need:

#### Porta ACQ Treated Pine

Profile	Length	Qty
DAR 18x18mm Treated Pine	2.4m	3
DAR 65x18mm Treated Pine	1.2m	1
DAR 65x18mm Treated Pine	2.4m	1
DAR 40x18mm Treated Pine	1.2m	1
DAR 40x18mm Treated Pine	2.4m	5
DAR135x18mm Treated Pine	2.4m	1

With Porta Mouldings' timber products, our new range of children's Porta Projects and a spare afternoon you can build fun, long-lasting toys like this great BBQ.

Made from lengths of treated DAR pine and finished with exterior paint, the play BBQ will not deteriorate, become brittle or fade.

Visit [www.porta.com.au](http://www.porta.com.au) to download Porta Projects and view our product range. Project designed and built by Darryl Chapman.



# TIMBER CUTTING LIST

PART	Material	Cut SIZE (mm)	QTY to be cut
Front (wheel) legs	DAR 65x18mm PITR24	530mm	2
Rear legs	Use remainder of piece above	545mm	2
Top rail	DAR 65x18mm PITR12	500mm	2
Side shelf rails	DAR 40x18mm PITR24	900mm	2
Lower shelf rails	DAR 40x18mm PITR12	500mm	2
shelf slats	DAR 40x18mm PITR24	335mm	17
Control Panel	DAR 135x18mm PITR24	540mm	1
Burner box sides	Use remainder of piece above	445mm	2
Burner box rear	Use remainder of piece above	540mm	1
Burner Box front	DAR 40x18mm PITR24	504mm	1
Burner bars	Use remainder of piece above	296mm	4
Grill end bar	Use remainder of piece above	320mm	2
Grill side bars	DAR 18x18mm PITR24	500mm	2
Grill cross bars	DAR 18x18mm PITR24	320mm	15



## 1 PREPARE THE LEG BASES

After cutting the required pieces to length place the leg pieces on the workbench and mark a radius around the base of the wheel legs, cut this to shape with a jigsaw. Drill 7mm hole for wheel, 20mm from end. The rear leg taper is marked 70mm up and 25mm in with a mitre saw or the jigsaw.



## 2 ASSEMBLE SIDES

After placing a front and rear leg upon the work table attach the top rail flush across the top using the exterior grade PVA adhesive and #8 32mm galvanised screws driven through the predrilled and countersunk holes. Attach the side shelf bars 115mm down from the legs tops and attach the same way.

## 3 BOTTOM SHELF

Assemble the bottom shelf placing a cross slat at each end of the rails first and then one in the centre, place a further two in the centre of the open spaces either side of centre and then four more in the remaining spaces.

## 4 LOWER SHELF

Position the bottom of the lower shelf rail 445mm from the top of the leg and attach as before, flip and attach opposite side.



## 5 FIT WHEELS

A 6 x 45mm carriage bolt with 2 nuts is used to fit each wheel. Use an 18mm spade bit drill to make a recess hole for the nuts 20mm from the bottom of the leg, one you have drilled to half the depth of the timber continue the centre of the hole through with a 7mm bit. Push the bolt up through wheel and hole, drop on a washer and tighten first nut, back it off 1/2 a turn and fit a second, lock nut.



## 6 MAKE BURNER BOX

Before starting burner box fit the two outer slats of the wing shelves to hold assembly firm. Lay out side pieces of box and mark and cut a 45degree piece from the top 85mm in from the end. Assemble the box with simple butt joins place back piece on the outside of assembly and the front on the inside. Add control panel over the bevelled front edges.



## 7 ASSEMBLE BURNERS

Use the triangle off cuts from the burner box and make 4 more the same to make mounts for burners, positioning one pair in the centre and the others 125mm either side of centre. Glue and screw burner bars to the top of these.



## 8 ASSEMBLE GRILL

Lay out the grill parts on the on the work surface and attach the side to the end pieces, then as before, install the centre bar, divide the remaining spaces with more central bars and continue until all 15 bars are installed.



## 9 FIT BURNER BOX

Slide the burner box over the top of the leg assembly until it sits down on top of the side shelf bars, do not permanently affix this as it should be removable for painting and cleaning. Fit side shelf slats with inner one firmly against side of box and affix. Mark the position of control knobs, 140 and 225mm from ends and 45mm from bottom edge. **Tip:** Remove burner box to paint and stain entire bbq before fitting knobs.

### THE WHEELS

Make wheels and knobs with a holesaw set, using a 78mm (or similar) saw for the wheels and a 45mm for the control knobs. Clamp a length of timber onto a pair of scrap timbers leaving a gap for the pilot drill between. Cut down through half the thickness from one face then flip the timber an complete cut from the opposite side. Sand each wheel smooth.