

ESB	
Boil Time:	60 minutes
ABV:	5.5%
OG:	1.055
FG:	1.013
IBU's:	29
SRM:	11
COLOR:	Pale Amber
TEMP:	64-73°F (18-23°C)
READY:	2-4 Weeks

Brew Date:	___/___/___
Original Gravity:	1.0___
Final Gravity:	1.0___
Fermentation Temp:	_____
Notes:	_____

This English-style bitter with a moderate bitterness provided by an American hop twist is a medium-bodied copper colored ale featuring notes of caramel, toasted bread, biscuit, and a slight fruitiness provided by English ale yeast.

This beer is a great option for anyone who enjoys English-style ales and are looking for something a bit more complex than a standard American Pale Ale. Best served in a Nonic pint glass at around 45°F (7°C), this beer pairs well with burgers and steaks, grilled corn, roasted beet salad, and Stilton or Double Gloucester.

YOUR KIT SHOULD INCLUDE:

Specialty Grains:

- 1/2 lb Simpsons Crystal Medium
- 1/4 lb Weyermann® Caramunich®
- Mesh Steeping Bag



Hops:

- 60 minutes: 1.5 oz Willamette Hop Pellets
- 15 minutes: 0.5 oz Willamette Hop Pellets
- 5 minutes: 1 oz Willamette Hop Pellets



Malt Extract:

- 6.6 lb Briess Pale Ale LME
- 1 lb Briess Golden Light DME



Other:

- 5 oz Priming Sugar
- Instructions



Yeast:

- Mangrove Jack's M36 Liberty Bell Ale

LET'S BREW SOME BEER!

PREPARATION:

Before you brew, make sure that you have the following:

- A homebrewing equipment kit suitable for brewing 5 gallon batches of beer
- Homebrew specific cleanser and sanitizer
- A brewing kettle with at least a 16 quart (4 gallon) capacity
- Access to clean running water
- A stove or burner
- A dark, temperature stable place to keep the fermenter

You may also need:

- A wort chiller
- A dial or digital thermometer capable of measuring of 32-212°F (0-100°C)
- Approximately two cases of empty brown pop-top bottles
- Bottle caps and capper

BREW DAY

BREWING:

1. Add between 2.5 gallons (9.5 liters) and 5 gallons (19 liters) of cool water to your brew kettle, making sure that at least 1 gallon (4 liters) of space remains within the kettle, and begin heating the water.
2. In a large saucepan or pot, add 2 Cups (16 oz/1 Pint/500ml) of cold water per ¼ lb. of specialty grain. On your stovetop, bring the water to 175°F (80°C), or just steaming hot if you do not have a thermometer. Turn off the burner.
3. Pour your specialty grains into the strainer bag and tie it off. Place the bag in the water, making sure that the grain is completely saturated. Cover the pot and steep the specialty grain for 20 minutes, stirring occasionally.
4. Remove the strainer bag from the pot, then dunk the bag in your boiling kettle a few times to rinse it and allow it to drain. Do not squeeze. Discard the grain and bag when done.
5. Add the liquid from your saucepan or pot to the water in your brew kettle.
6. Once your brew kettle has reached a boil, turn off the heat, and allow the bottom to cool for a minute.
7. Slowly stir one 3.3 lb jar of Liquid Malt Extract into the kettle, making sure it is completely dissolved before turning the heat back on, otherwise it may scorch. Turn the heat back on, and bring your boiling kettle to a rolling boil.
8. Set a timer for 60 minutes, and add 1.5 oz of Willamette hop pellets to your brew kettle.
9. When 15 minutes remain, pause your timer, turn your burner off, and allow a minute for the bottom to cool. Slowly stir in the remaining 3.3 lb jar of liquid malt extract and dry malt extract, making sure that it is completely dissolved. Bring your kettle back to a rolling boil, restart your timer, and add 0.5 oz of Willamette hops.
10. When 5 minutes remain, add the remaining 1 oz of Willamette hops.

COOLING:

11. Cool your wort with a wort chiller (if you have one) or by placing your covered brew pot in an ice bath until the outside of your kettle is no longer warm to the touch.
12. Pour the cooled wort into a sanitized fermenter and add cool water to bring the volume up to just over 5 gallons.

FERMENTATION:

13. Take a sample and use your hydrometer to take an Original Gravity reading, mark this reading in your notes.
14. Carefully cut open your sachet of yeast, sprinkle it over your wort, and seal your fermentation vessel. Do not stir.
15. Place your fermentation vessel in a cool, dark place that will maintain a temperature of 64-73°F (18-23°C).
16. You should see signs of fermentation activity within 12 to 48 hours. Allow your beer to ferment for 7 days.
17. After 7 days, transfer into your secondary fermenter. Wait 7 more days before checking your Final Gravity.

BOTTLING DAY

18. When you have verified that fermentation is complete, sanitize your bottles, siphoning, and bottling equipment.
19. Prepare your priming solution by dissolving the 5 oz of priming sugar into 2 cups (1 pint) of boiling water.
20. Pour your priming solution onto the bottom of your bottling bucket, then transfer your beer into your bottling bucket.
21. Fill bottles with beer until your bottling bucket is empty, capping bottles as you go.
22. Store the bottles in a dark place at room temperature for 14 days to allow them to carbonate.
23. Chill your bottles in the fridge for a few hours before serving by pouring your beer into a glass.
24. If your beer seems under-carbonated, allow it to remain at room temperature for another week.

