

# Czech Pils Progres

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- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **36**
- SRM **4.3**
- Style **Bohemian Pilsener**

## Batch size

- Expected quantity of finished beer **17 liter(s)**
- Trub loss **5 %**
- Size with trub loss **17.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **21.6 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.8 liter(s)**
- Total mash volume **18.4 liter(s)**

## Steps

- Temp **54 C**, Time **5 min**
- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **1 min**

## Mash step by step

- Heat up **13.8 liter(s)** of strike water to **59.7C**
- Add grains
- Keep mash **5 min** at **54C**
- Keep mash **60 min** at **67C**
- Keep mash **1 min** at **76C**
- Sparge using **12.4 liter(s)** of **76C** water or to achieve **21.6 liter(s)** of wort

## Fermentables

| Type  | Name                    | Amount         | Yield | EBC |
|-------|-------------------------|----------------|-------|-----|
| Grain | Viking Pilsner malt     | 3.3 kg (71.7%) | 82 %  | 4   |
| Grain | Weyermann - Vienna Malt | 1 kg (21.7%)   | 81 %  | 8   |
| Grain | Weyermann - Carapils    | 0.3 kg (6.5%)  | 78 %  | 4   |

## Hops

| Use for             | Name                  | Amount | Time   | Alpha acid |
|---------------------|-----------------------|--------|--------|------------|
| Boil                | Zula                  | 10 g   | 60 min | 13.3 %     |
| Boil                | Saaz (Czech Republic) | 25 g   | 30 min | 4.5 %      |
| Boil                | Saaz (Czech Republic) | 20 g   | 15 min | 4.5 %      |
| Aroma (end of boil) | Saaz (Czech Republic) | 25 g   | 5 min  | 4.5 %      |

## Yeasts

| Name                    | Type  | Form  | Amount | Laboratory |
|-------------------------|-------|-------|--------|------------|
| Lallemand Diamond lager | Lager | Slant | 200 ml | ---        |

## Notes

- Woda RO:kran  
zacieranie 16.5L - kwas mlekowy 2 ml  
wysładzanie 10L - kwas mlekowy 3 ml  
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