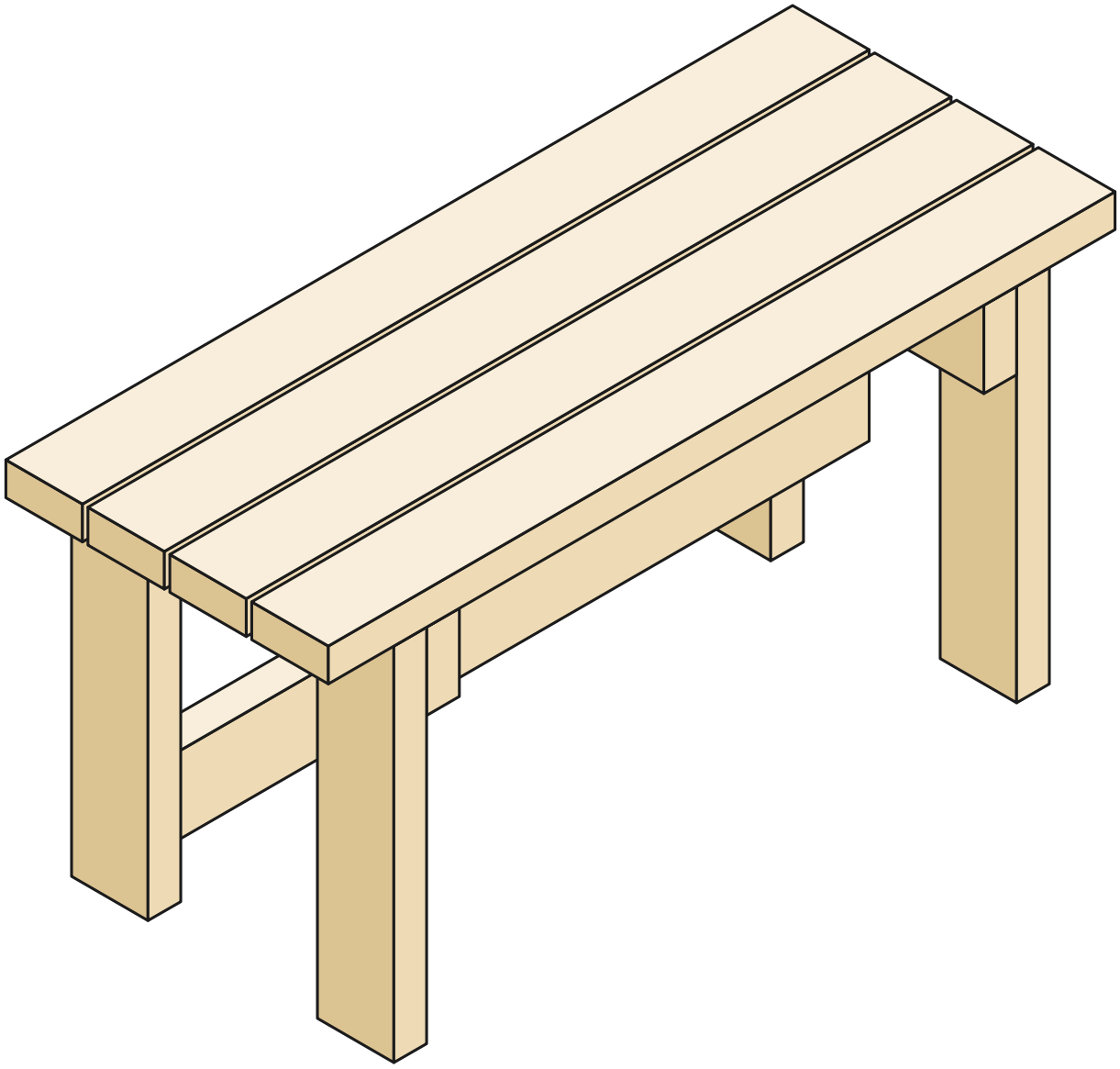
Basic 2x4 Bench



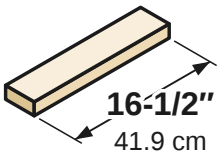
Parts

Basic 2x4 Bench, 36 x 14-3/4 x 18 in

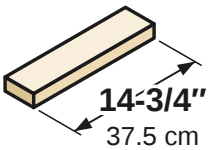
Before you start

Wear eye and hearing protection and a dust mask. Clamp the work and keep your hands clear of the blade. Children only with adult supervision. Check stability before each use. We recommend pre-drilling every screw hole.

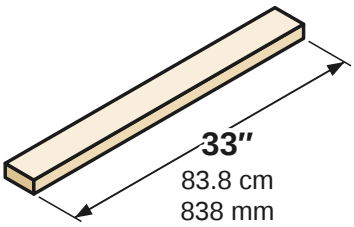
A ×4



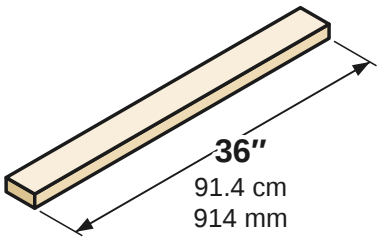
B ×2



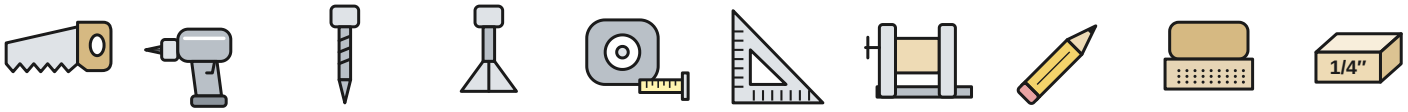
C ×1



D ×4



Tools



Saw

Drill + driver bit

Pilot drill bit

Countersink bit

Tape measure

Square

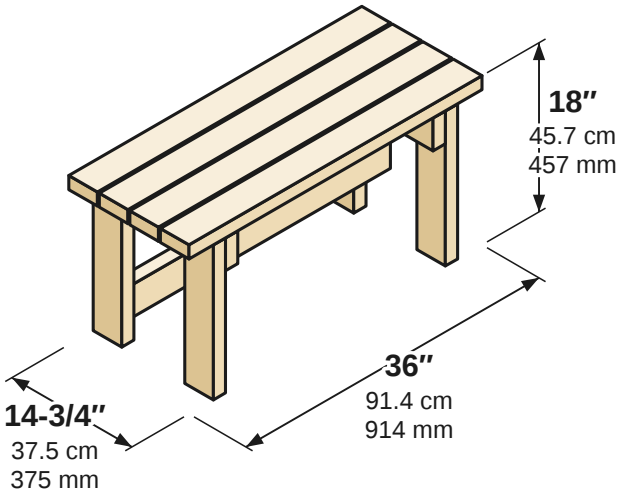
Clamps

Pencil

Sandpaper

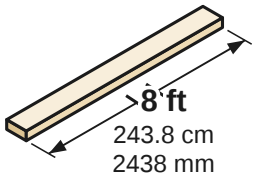
Spacer block
1/4″ (0.6 cm, 6 mm)

Size



Lumber

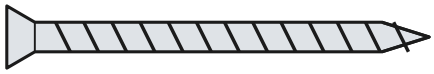
×4



2x4

2x4 actual 1-1/2 x 3-1/2 in (3.8 x 8.9 cm)
(38 x 89 mm)
Metric lumber may differ slightly: measure your boards.

Hardware



×28

#9 × 2-1/2″ (6.4 cm)

+ buy extra

length: 64 mm

Cut 1

1 2x4 × 8 ft



D	D	A
36″ 91.4 cm 914 mm	36″ 91.4 cm 914 mm	16-1/2″ 41.9 cm 419 mm

2 2x4 × 8 ft



D	D	A
36″ 91.4 cm 914 mm	36″ 91.4 cm 914 mm	16-1/2″ 41.9 cm 419 mm

3 2x4 × 8 ft



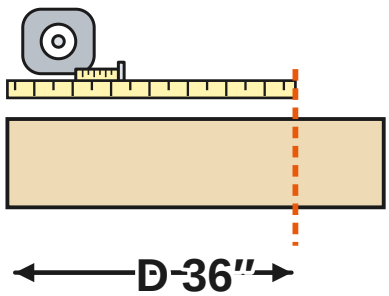
C	A	A	B
33″ 83.8 cm 838 mm	16-1/2″ 41.9 cm 419 mm	16-1/2″ 41.9 cm 419 mm	14-3/4″ 37.5 cm 375 mm

4 2x4 × 8 ft



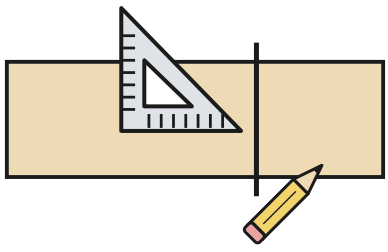
B
14-3/4″ 37.5 cm 375 mm

1



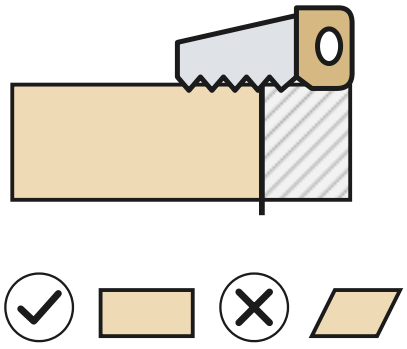
91.4 cm
914 mm

2



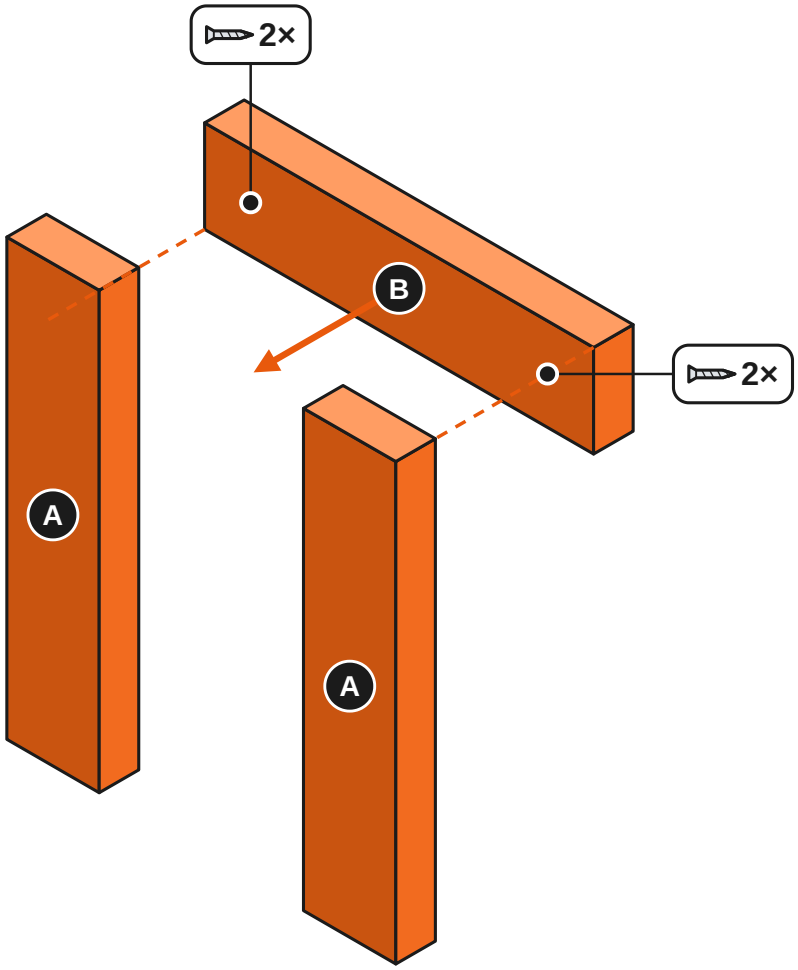
90°

3



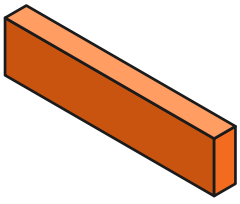
2

Build the left end frame

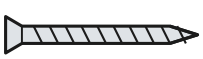




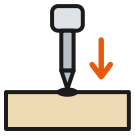
A ×2



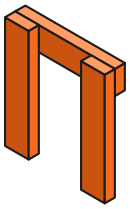
B ×1



×4

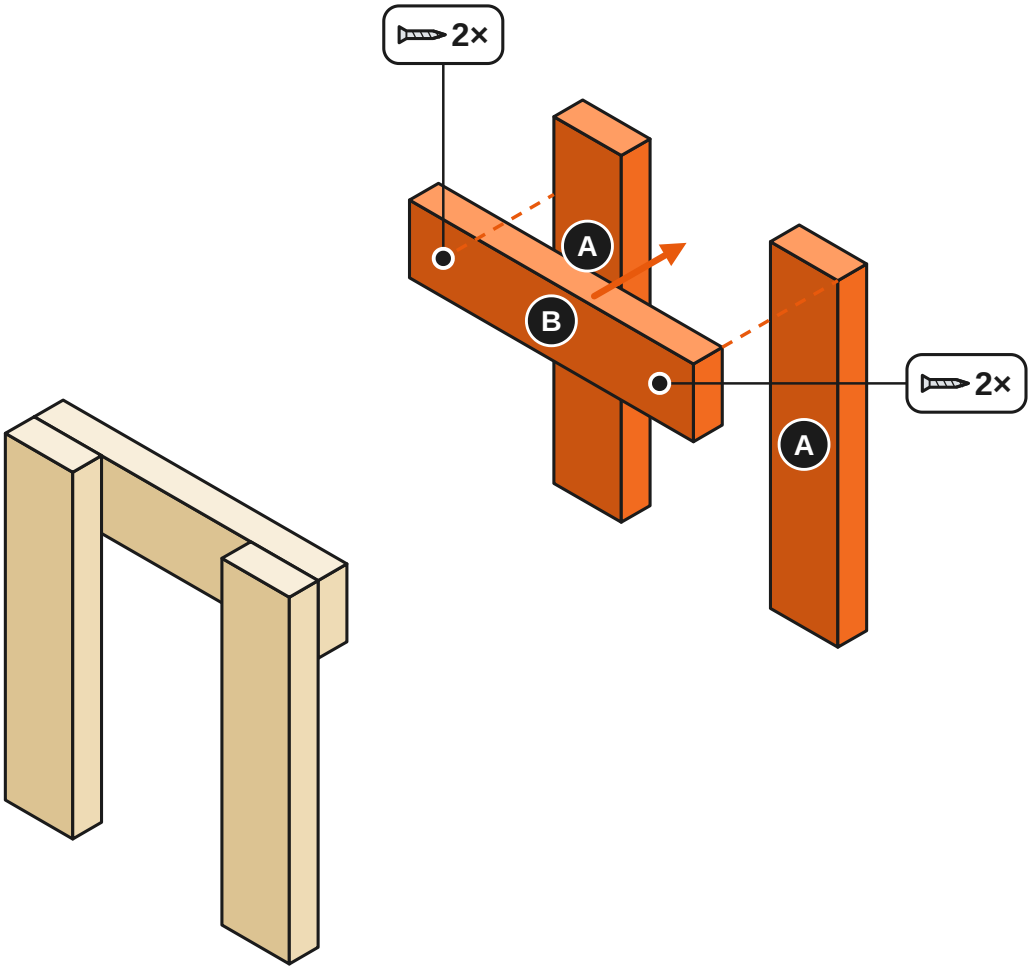


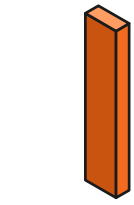
Pre-drill



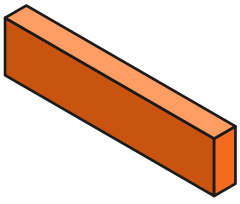
3

Build the right end frame

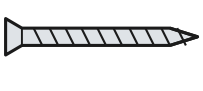




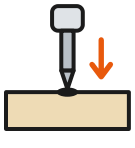
A ×2



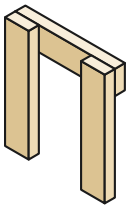
B ×1

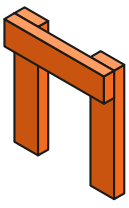


×4



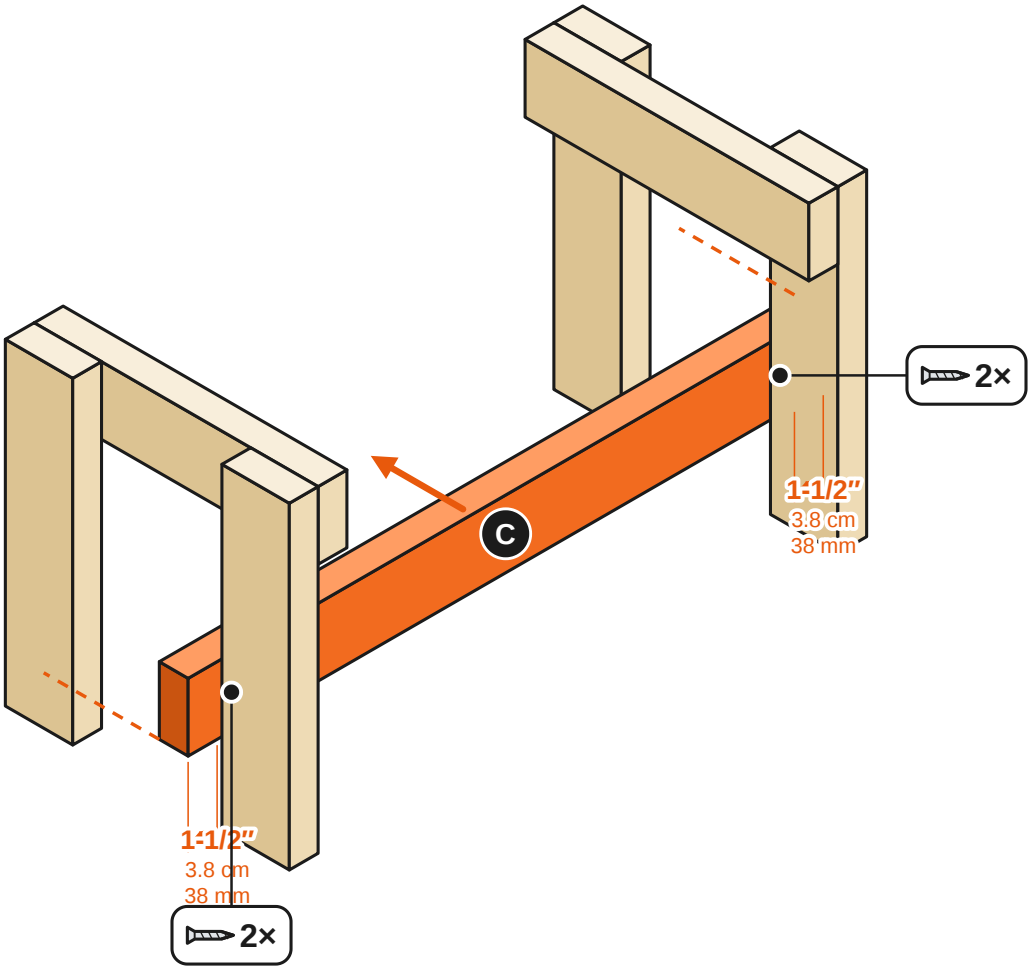
Pre-drill

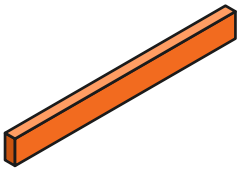




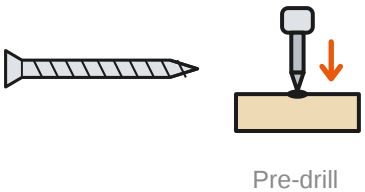
4

Add the lower stretcher

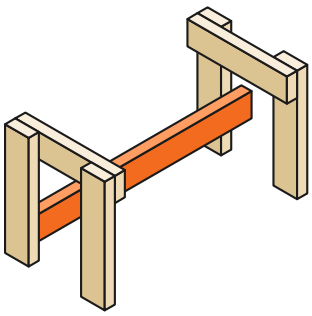




C ×1

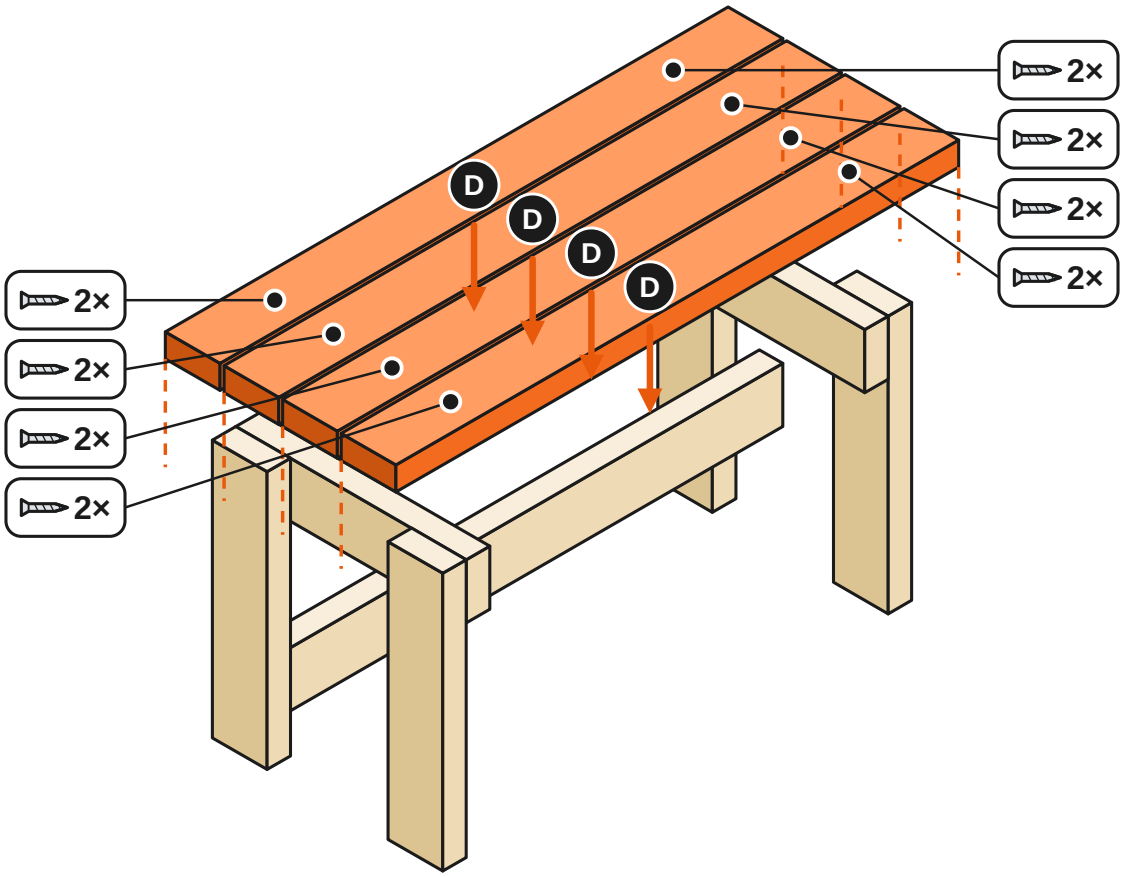


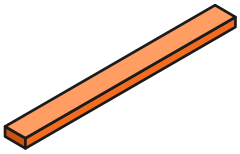
×4



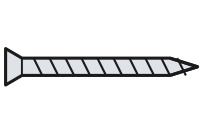
5

Fasten the seat slats

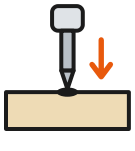




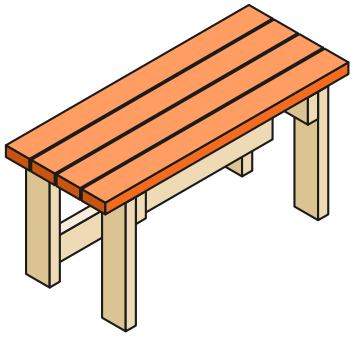
D ×4



×16

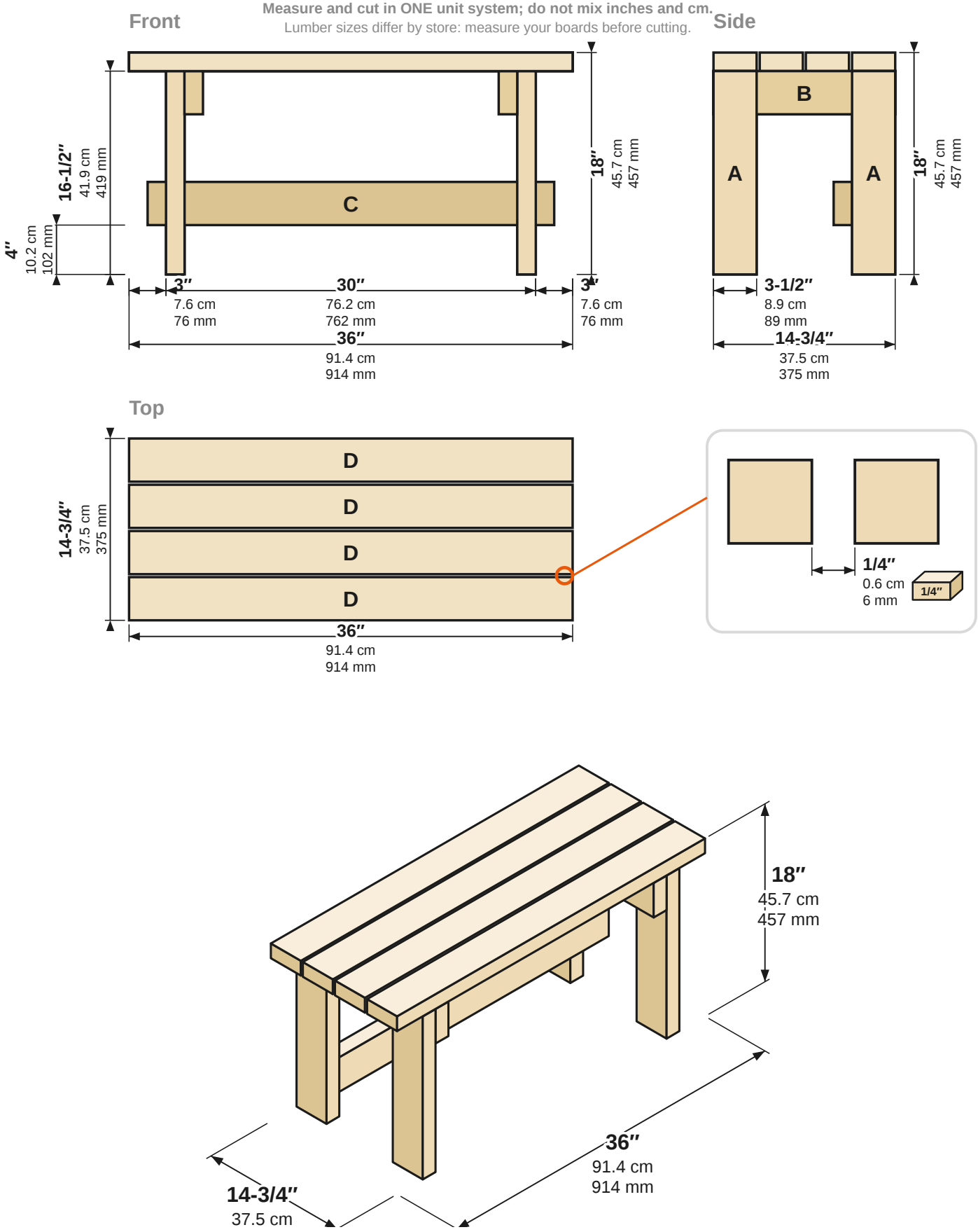


Pre-drill



Done

Measure and cut in ONE unit system; do not mix inches and cm.
Lumber sizes differ by store: measure your boards before cutting.



Safety



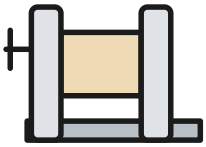
Eye protection



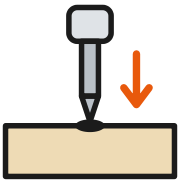
Hearing protection



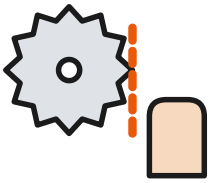
Dust mask



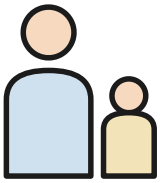
Clamp the work



Pre-drill



Hands clear of the blade



Adult supervision for children



Check screws and stability before each use



Not for climbing or heavy loads

Plan at a glance

Difficulty: Beginner Estimated build time: 3-5 hours (excl. finishing)

Main tools: Saw, Drill + driver bit, Pilot drill bit, Countersink bit, Tape measure, Square, Clamps

Estimate from part and screw counts, not a measured build time. Excludes finishing (sanding, paint, drying).

Designed with AI assistance and checked by software.