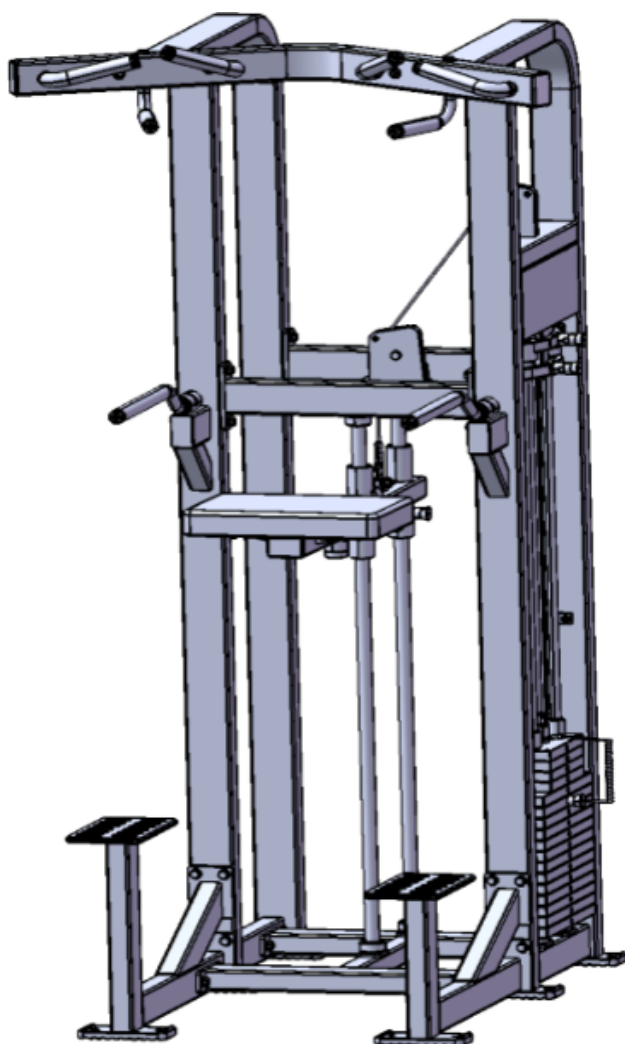


INFINITE SERIES

Assisted Chin / Dip

Assembly & Owner Guide



BUILT TO PERFORM.

Read before assembly. Keep this guide for future reference.

01 / PREPARE

Before you begin

Set up your space

Assemble indoors on a level, stable surface with clear access around the equipment. Protect the floor and allow enough room to lay out the frame and hardware.

Check every part

Unpack and compare the components with the illustrated lists. Keep hardware grouped by stage. Reference numbers identify parts in the drawings; they may restart at each stage. Quantities are for the corresponding source list and should not be added across stages.

Prepare tools and help

Have metric hex keys and suitable metric wrenches or sockets ready for the listed fasteners. Use sufficient help to support heavy frames and moving assemblies. Keep hands clear of pinch points and never work beneath an unsupported load.

Follow the assembly drawings

Work through the stages in order. Match each numbered callout with its parts list. Confirm orientation before fitting fasteners. A part described as an assembly is supplied as a component; the wording does not instruct you to weld it.

Check connections before use

Use the specified hardware at each joint. Confirm that fasteners are secure and moving parts operate freely. If a part, dimension or connection is unclear, stop and contact Build A Gym before continuing.

ASSEMBLY SUPPORT

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02 / SAFETY

Use and care safely

- Use the equipment indoors in a dry, supervised area. Keep the surrounding floor level and unobstructed.
- Children under 12 must not use this equipment. Provide appropriate supervision and assistance for other users who need it.
- Before each use, inspect moving components, fasteners, pins and attachments. Have loose or damaged parts corrected before use.
- Wear suitable exercise clothing and athletic shoes. Warm up before exercise and use slow, controlled movements.
- Increase resistance gradually. Stop exercising if you feel pain, discomfort or anything unusual, and consult a doctor.
- Consult your doctor before starting an exercise program.
- Keep hands, clothing and other objects clear of moving parts. Make sure adjustment pins and any safety stops are fully engaged.
- Clearly mark the equipment “Out of Use” during servicing or repair. Keep this guide available for future reference.

Your assembly sequence

Stage 1 → Stage 2 → Stage 3 → Final inspection

Use the PDF bookmarks to jump directly to a stage.

STAGE 1 / PARTS

Identify your components

Match each reference and quantity to the drawing for this stage.

REF 2

QTY 1



Small door assembly

REF 4

QTY 1



Footplate assembly 1

REF 5

QTY 1



Upper crossbeam

REF 6

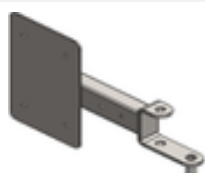
QTY 1



Lower crossbeam

REF 8

QTY 1



Seat assembly

REF 9

QTY 1



Sliding assembly

REF 10

QTY 2



Platform guide shaft

REF 11

QTY 2



Parallel bar handle

REF 14

QTY 2



Spacer sleeve

REF 17

QTY 1



Rotation shaft

REF 18

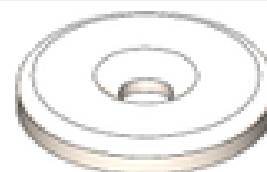
QTY 2



End cover of axle frame plate

REF 19

QTY 2



Aluminum end cap

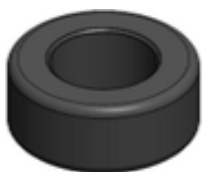
STAGE 1 / PARTS

Identify your components

Match each reference and quantity to the drawing for this stage.

REF 22

QTY 4



30 inner hole cushion pad

REF 36

QTY 6



10 mm spring washer

REF 37

QTY 24



12 mm spring washer

REF 40

QTY 10



10 mm washer

REF 41

QTY 34



12 mm washer

REF 47

QTY 2



M10 x 20 hexagon socket head cap screw

REF 48

QTY 4



M10 x 20 hex head screw

REF 51

QTY 24



M102 x 30 hex head screw

REF 53

QTY 4



M12 x 75 hex head screw

REF 54

QTY 10



M8 x 20 Countersunk socket screw

REF 55

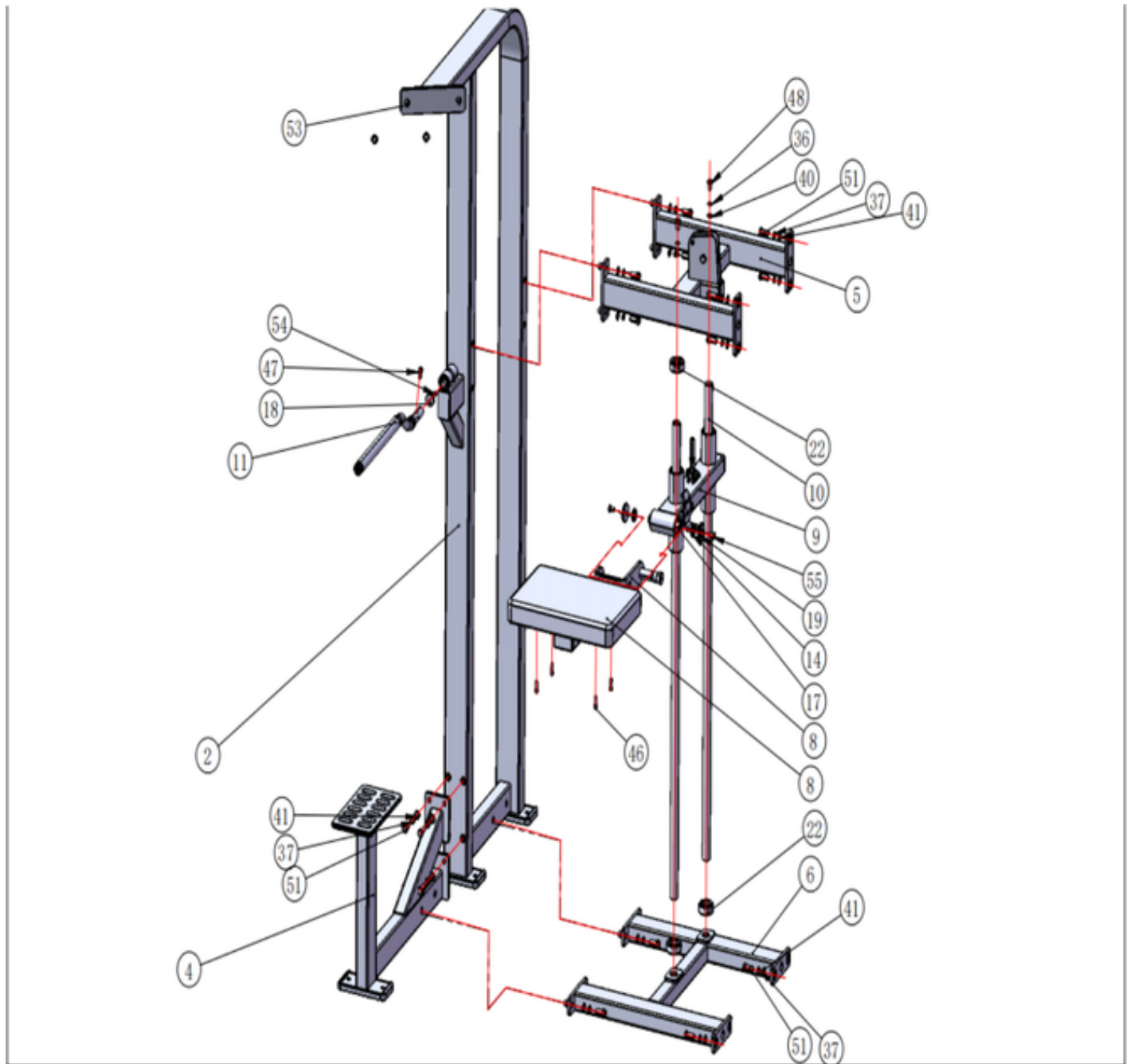
QTY 2



M10 x 20 Countersunk socket screw

STAGE 1 / DRAWING 1 OF 1

Assembly stage 1



Match the numbered callouts to the Stage 1 parts list. Position the components as shown and use the listed hardware at each connection.

Stage 1: Prepare the Sliding Platform

The moving pad is an assistance platform, although the source calls it a seat. Keep it supported throughout assembly.

1. Support the first frame and identify bolts

Using Stage 1 references, support frame 2 upright on a protected level floor. Identify upper crossbeam 5, lower crossbeam 6 and step assembly 4. Bolt 51 is printed as M102 × 30 although the associated washers are 12 mm; confirm its actual thread and length before assembling these joints.

2. Fit the lower crossbeam and step

Position lower crossbeam 6 and step assembly 4 at the depicted frame mounts. Fit confirmed bolts 51 with 12 mm spring washers 37 and washers 41. Start all fasteners and maintain frame support while aligning the base.

3. Fit the slide rods and carriage

Position guide shafts 10 through sliding carriage 9 with buffer pads 22 at both ends as shown. Seat the shafts in the lower crossbeam while keeping the carriage supported. Fit upper crossbeam 5 and the depicted M10 × 20 bolts 48 with spring washers 36 and washers 40 to retain the upper shaft ends. Confirm the lower retention before allowing carriage movement.

4. Secure the upper crossbeam

Attach upper crossbeam 5 at the frame connections using confirmed bolts 51, spring washers 37 and washers 41. Check both guide shafts stay parallel and the carriage can slide freely while supported. Do not use the assistance platform until its cable connection is complete.

Check before continuing

The first frame, steps, crossbeams and slide guides are secure.

Stage 1: Fit Platform and Dip Handles

Do not allow the platform to fall or rise uncontrolled while its counterbalance is disconnected.

5. Connect the assistance platform

Support platform assembly 8 at carriage 9. Fit rotation shaft 17 and spacer sleeves 14, then aluminum end caps 19 and M10 × 20 countersunk screws 55 in the illustrated order. Confirm the pivot retention and the platform's intended operating and folded positions.

6. Secure the platform cushion

The drawing shows pad fasteners as callout 46, which is missing from the Stage 1 parts list. Confirm their thread, length and mounting arrangement before fastening any loose cushion. Verify that the pad and its support cannot shift.

7. Fit the first dip handle

Fit dip handle 11 at the illustrated frame pivot with end cover 18 and M10 × 20 screw 47. Install M8 × 20 countersunk screws 54 at their depicted retaining points. Confirm the handle's intended stop and retention before applying body weight.

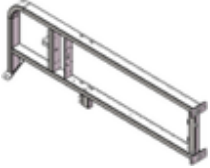
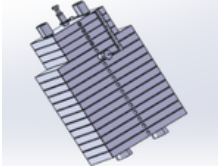
Check before continuing

The platform pivot, cushion and dip-handle retention are secure.

STAGE 2 / PARTS

Identify your components

Match each reference and quantity to the drawing for this stage.

REF 1 QTY 1  Small door assembly	REF 2 QTY 1  Weight stack assembly	REF 3 QTY 2  Secondary counterweight
REF 6 QTY 2  Small door guide rod	REF 9 QTY 1  Rear weight-stack guard	REF 14 QTY 1  Footplate assembly 1
REF 18 QTY 1  Handrail assembly	REF 22 QTY 2  Parallel bar handle	REF 46 QTY 6  10 mm spring washer
REF 47 QTY 24  12 mm spring washer	REF 50 QTY 10  10 mm washer	REF 51 QTY 34  12 mm washer

STAGE 2 / PARTS

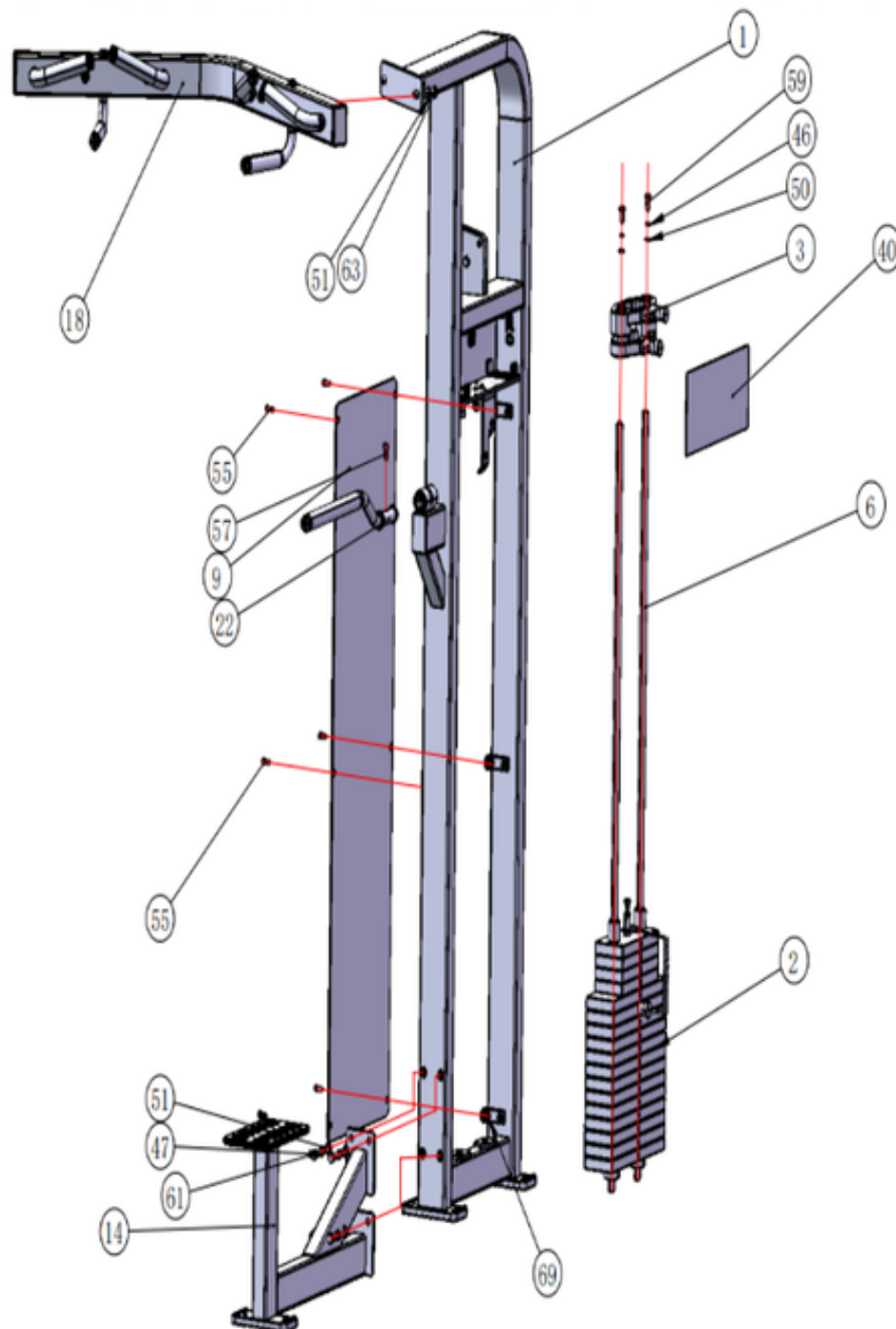
Identify your components

Match each reference and quantity to the drawing for this stage.

REF 55 QTY 6  M8 × 20 Socket-head screw	REF 57 QTY 2  M10 × 20 Socket-head screw	REF 59 QTY 2  M10 × 25 hex head bolt
REF 61 QTY 24  M12 × 30 hex head bolt	REF 63 QTY 4  M12 × 75 hex head bolt	

STAGE 2 / DRAWING 1 OF 1

Assembly stage 2



Match the numbered callouts to the Stage 2 parts list. Position the components as shown and use the listed hardware at each connection.

Stage 2: Complete the Frame and Stack

Part numbers restart in Stage 2. Preserve factory-assembled stack and pulley components where correct.

8. Join the second upright and overhead handle

Support Stage 2 frame 1 beside the assembled crossbeams. Complete the upper and lower frame joints with their confirmed Stage 1 hardware. Fit overhead handrail assembly 18 with M12 × 75 bolts 63 and 12 mm washers 51 at the depicted top joints; confirm all mating hardware before releasing support.

9. Fit the opposite step and dip handle

Fit step assembly 14 using M12 × 30 bolts 61, 12 mm spring washers 47 and washers 51. Fit dip handle 22 using the depicted M10 × 20 screw 57 and the confirmed pivot components from Stage 1. Check both handles and steps are secure and correctly oriented.

10. Install the supported weight stack

Keep stack 2 fully supported at its base and insert guide rods 6 in the illustrated relationship. Preserve plate order and selector access. The stack is shown as an assembly; obtain the plate-loading and buffer details if it arrives dismantled.

11. Retain guide rods and auxiliary weights

Fit secondary counterweights 3 above the stack as illustrated. Fit M10 × 25 bolts 59 with spring washers 46 and washers 50 at the upper guide ends. Drawing callout 69 at the lower guides is not listed; confirm that component and lower retention before loading the stack.

12. Check frame and guide alignment

Secure all structural connections and confirm the machine stands evenly. Check the platform carriage and stack guides remain parallel and retained. Keep rear stack guard 9 accessible until cable routing and all terminal connections have been inspected.

Check before continuing

Both uprights, steps, handrail, dip handles, platform guides and stack guides are secure.

STAGE 3 / DRAWING 1 OF 1

Assembly stage 3



Trace the counterbalance cable using this schematic and the following instructions.
Confirm the stack and platform terminations before applying tension.

Stage 3: Connect the Cable and Test

Never step onto an unsupported or unconnected platform. Resolve all omitted retention and cable specifications before use.

13. Trace the counterbalance cable

With the platform supported and the stack down, follow the schematic from the stack over the first overhead pulley, across to the second pulley and down to the platform-side terminal. Match both pulley positions and the terminal attachment to the supplied machine before tensioning.

14. Verify all cable and pulley connections

Confirm the stack termination, platform-side terminal, locking hardware and both pulley retainers. The source omits cable length, complete terminal details and tension settings; obtain these for loose or uncertain cables. Check the cable stays seated throughout the platform's permitted travel.

15. Fit guards and complete the fastening check

Fit Stage 2 rear guard 9 with the depicted M8 × 20 screws 55 after cable inspection. Confirm all guards supplied for the delivered revision, then verify structural and pivot torque and floor-fixing requirements. Check every platform, handle and guide retainer before functional testing.

16. Complete a controlled functional test

First check the supported platform and cable without body weight. Have a qualified installer verify the counterbalance and choose appropriate assistance for a controlled user test; more selected stack weight provides more assistance. Check smooth platform travel and full stack return in both chin-up and dip use, with no slack, binding or shifting handles.

Check before continuing

Platform, counterbalance, handles, steps, cable and guards pass inspection.

FINAL CHECK

Ready for the first use?

☐ **Frame and hardware**

Confirm that the frame is stable, all required hardware is installed and all connections are secure.

☐ **Adjustments and safeties**

Check that adjustment pins, locking mechanisms and any safety stops engage fully. Verify that pads and handles are secure.

☐ **Moving parts**

Carefully check the full range of movement. Confirm that moving assemblies clear the frame and guards without binding.

☐ **Product-specific inspection**

Check platform retention, guide rods, cable terminals, steps and both sets of handles. Confirm controlled assistance and smooth travel before releasing the machine for use.

☐ **Keep the equipment ready**

Inspect before every use. Wipe contact surfaces dry after use. Have a qualified technician address damaged parts, unusual movement or noise before further exercise.

Need help with assembly?

Contact Build A Gym with your product name, assembly stage, part reference and a clear photo of the issue.

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