



INSTALLATION MANUAL

STORAGE WALL

RAPTOR MODULAR STORAGE SYSTEM

01 SYSTEM OVERVIEW

The RAPTOR Storage Wall is a modular equipment-storage system built on the RAPTOR rig platform. Each bay is formed by two 75 × 75 mm uprights and provides **four configurable storage levels** for dumbbells, plates, balls and accessories, finished with a STRIDE logo sign at the top of every bay.

Every model is available in two bay widths — **1.10 m** and **1.80 m** — and in two mounting configurations: **free-standing** (with front foot extensions, one per upright) or **wall-mounted** (feet omitted, fixed to a structural wall). The wall-mounted configuration is selected on the same product from the bill of materials.

02 MODEL RANGE & CONFIGURATION MATRIX

MODEL	REFERENCE	BAYS	UPRIGHTS RAP- 240UPR	LOGO SIGN	0.3 M CROSS RAP- 30CROSS	0.64 M CROSS RAP- 64CROSS	FOOT EXT.* RAP- FOOTEFT	SHELF POSITIONS
Storage Wall 1 (1,1 m)	RAP-FREESTOWAL1	1	2	1	2	2	2	4
Storage Wall 1 (1,8 m)	RAP-180STOWAL1	1	2	1	2	2	2	4
Storage Wall 2 (1,1 m)	RAP-FREESTOWAL2	2	3	2	3	2	3	8
Storage Wall 2 (1,8 m)	RAP-180STOWAL2	2	3	2	3	2	3	8
Storage Wall 3 (1,8 m)	RAP-180STOWAL3	3	4	3	4	2	4	12

* Front foot extensions apply to the free-standing configuration only: one per upright. Logo sign width follows the bay width (RAP-110LOGOSIGN / RAP-180LOGOSIGN). References are shown as registered in the ERP system.

Wall-mounted configuration: the same product is installed without foot extensions and is instead fixed to a structural wall. Select the mounting configuration on the bill of materials when ordering.

03 SHELF OPTIONS

Each bay provides **four storage levels**. For every level, one shelf type is chosen per bay — the combination is confirmed per order. All shelf types are available in both bay widths.

SHELF TYPE	1.10 M CODE	1.80 M CODE	TYPICAL USE
Flat Shelf	RAP-110FLATSH	RAP-180FLATSH	Kettlebells, boxes, general storage
Dumbbell Shelf	RAP-110DBRACK	RAP-180DBRACK	Angled dumbbell storage
Ball Rail	RAP-110BALLRAIL	RAP-180BALLRAIL	Medicine balls, slam balls
Plate Rack	RAP-110PLRACK	RAP-180PLRACK	Vertical bumper-plate storage

04 DIMENSIONS & CLEARANCE

1100 / 1800 mm

BAY WIDTH (BETWEEN UPRIGHTS)

2500 / 2750 mm

STANDARD UPRIGHT HEIGHT †

75 × 75 mm

UPRIGHT SECTION

840 mm

FOOT EXTENSION DEPTH (FREE-STANDING)

+62.5 mm

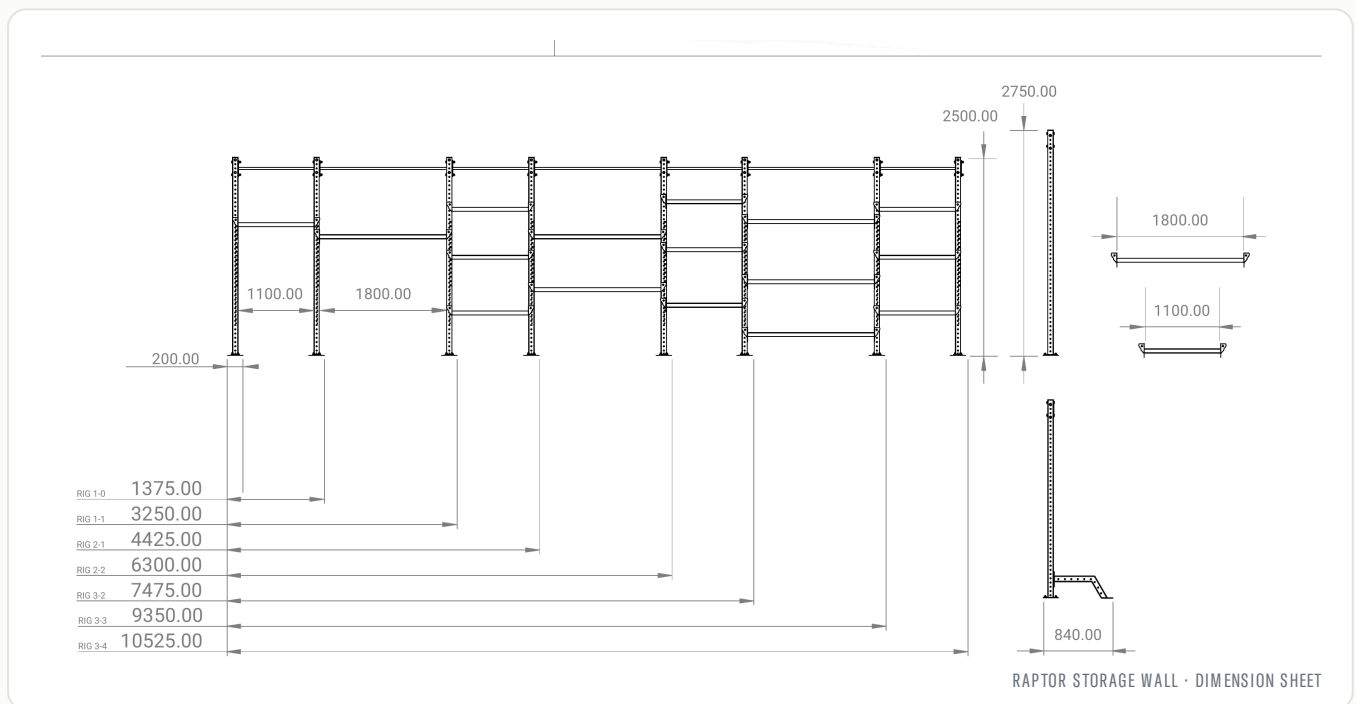
PER END FOR BASE PLATES (FREE-STANDING)

200 mm

OFFSET FROM WALL (WALL-MOUNTED)

MODEL	BAYS	OVERALL LENGTH · FREE-STANDING (INCL. FEET)	OVERALL LENGTH · WALL-MOUNTED
Storage Wall 1 (1,1 m)	1	1375 mm	1250 mm
Storage Wall 1 (1,8 m)	1	2075 mm	1950 mm
Storage Wall 2 (1,1 m)	2	2550 mm	2425 mm
Storage Wall 2 (1,8 m)	2	3950 mm	3825 mm
Storage Wall 3 (1,8 m)	3	5825 mm	5700 mm

Overall lengths are derived from bay width, 75 mm upright sections and 62.5 mm per free-standing end. The dimension sheet below shows the generic RAPTOR sizing range (RIG 1-0 ... 3-4) for mixed-bay configurations. † Spec sheet states 2500 / 2750 mm standard heights; the bill of materials lists the RAP-240UPR upright — authoritative pairing to be confirmed.



Important — Clearance: keep a free zone of at least **1 m** in front of the Storage Wall for safe loading and unloading of equipment. Do not place the unit where the clearance zone overlaps training areas or walkways.

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BEFORE YOU BEGIN

■ REQUIRED TOOLS

- Metric hex key and socket set
- Torque wrench
- Spirit level (≥ 600 mm) and tape measure
- Chalk line or laser line for layout
- Hammer drill with masonry bits (for anchoring / wall fixing)
- Step ladder or platform for logo signs

■ PERSONNEL

- **Minimum two installers** — uprights and assembled frames must be raised and supported by two people
- One installer supports each frame until it is linked and anchored

■ SAFETY

- Wear safety shoes and gloves during assembly
- Never leave a raised frame unsupported before it is linked or anchored
- Do not load shelves before the final inspection is complete
- Place heavy items (plates, dumbbells) on the **lower levels**; keep light items on upper levels
- Keep bystanders out of the work area while raising frames

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SITE, FLOOR & WALL REQUIREMENTS

■ FLOOR

- Level, load-bearing floor — structural concrete recommended
- Compensate minor unevenness with shims before anchoring
- Floor anchoring of the base plates is **strongly recommended** for the free-standing configuration

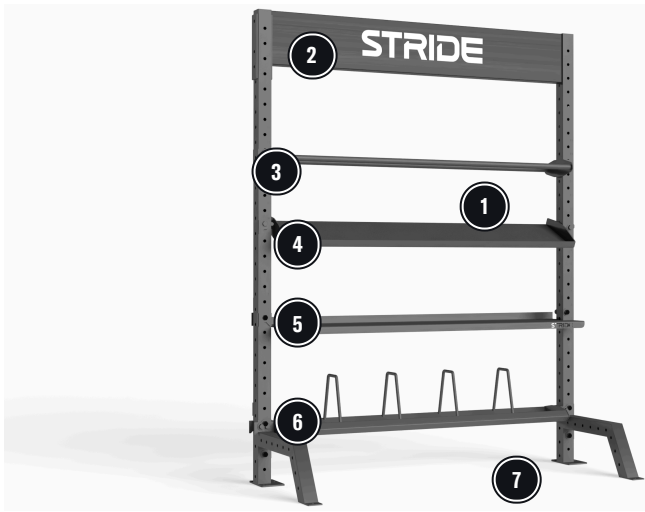
■ WALL (WALL-MOUNTED CONFIGURATION)

- Fixing into a **structural wall** (concrete or solid masonry) is mandatory
- The unit stands **200 mm** from the wall face
- Not suitable for plasterboard or non-load-bearing partition walls without a certified sub-frame

Specifications to confirm: anchor type and size depend on the floor and wall substrate on site. Anchor specifications and tightening torques are not included in this revision — confirm with STRIDE Europe before installation.

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PARTS & TECHNICAL DRAWING



SINGLE BAY · FREE-STANDING REFERENCE

- 1 Rack Upright 2.4 m**
RAP-240UPR
- 2 STRIDE Logo Sign 110 / 1.80 m**
RAP-110LOGOSIGN / RAP-180LOGOSIGN
- 3 Ball Rail 110 / 1.80 m**
RAP-110BALLRAIL / RAP-180BALLRAIL
- 4 Flat Shelf 110 / 1.80 m**
RAP-110FLATSH / RAP-180FLATSH
- 5 Dumbbell Shelf 110 / 1.80 m**
RAP-110DBRACK / RAP-180DBRACK
- 6 Plate Rack 110 / 1.80 m**
RAP-110PL RACK / RAP-180PL RACK
- 7 Front Foot Extension**
RAP-FOOTEXT
- 8 Crossbeam 0.3 m — depth member**
RAP-30CROSS
- 9 Crossbeam 0.64 m — depth member**
RAP-64CROSS

Items 8-9 are structural depth members between the upright and the foot / wall side; they are not visible in the front view. Shelf types shown (3-6) are examples — actual shelf selection per level follows the order configuration.

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CONFIGURATION RANGE



STORAGE WALL 1
1 bay · free-standing



STORAGE WALL 2
2 bays · free-standing



STORAGE WALL 2
2 bays · wall-mounted



STORAGE WALL 3
3 bays · free-standing

09 ASSEMBLY SEQUENCE

1 UNPACK & INVENTORY

Check all components against the bill of materials and the order configuration (bay width, mounting type, shelf selection per level). Report shortages before starting.

2 MARK THE LAYOUT

Chalk or laser the front line of the uprights. Wall-mounted: mark the line 200 mm from the wall face. Mark each upright centre at bay-width spacing.

3 ASSEMBLE THE UPRIGHT FRAMES

Connect each upright to its depth members: 0.3 m crossbeams and, at the outer positions, 0.64 m crossbeams. Leave all bolts hand-tight.

4 FIT FEET OR WALL BRACKETS

Free-standing: bolt one front foot extension to every upright. Wall-mounted: fit the wall-fixing brackets at the top of each upright instead — feet are omitted.

5 RAISE THE FIRST FRAME

With two people, raise the first upright frame into position on the layout line. Support it continuously until it is linked to the next frame.

6 LINK THE BAYS

Raise the next upright and connect the bays. Repeat per bay. Keep all connections hand-tight until the full unit is standing.

7 FIT THE LOGO SIGNS

Install one STRIDE logo sign at the top of each bay, oriented text-out. Two people required — one to hold, one to bolt.

8 LEVEL & ANCHOR

Level the unit in both directions, shim where needed. Anchor the base plates to the floor (free-standing) or fix the brackets into the structural wall (wall-mounted).

9 INSTALL THE SHELVES

Mount the chosen shelf type at each of the four levels per bay: ball rail, flat shelf, dumbbell shelf and/or plate rack. Verify every bracket is fully seated and bolted.

10 FINAL TORQUE & INSPECTION

Tighten all fasteners to specification, re-check level and plumb, and complete the inspection checklist below before loading equipment.

FINAL INSPECTION CHECKLIST

- | | |
|---|---|
| ☐ All fasteners tightened to specification | ☐ Logo signs fixed at the top of each bay |
| ☐ Unit level and plumb in both directions | ☐ No damaged parts, sharp edges or missing hardware |
| ☐ Floor anchors / wall fixings secure and fully seated | ☐ 1 m clearance zone in front of the unit is free |
| ☐ All shelves seated, bolted and unable to shift | ☐ Heavy equipment assigned to the lower storage levels |

Maintenance: re-check all fasteners and anchors one week after installation and monthly thereafter. Inspect shelf brackets for deformation, and wipe down surfaces with a mild detergent — no aggressive solvents.