

Orbit Challenge & Stainless



Uprights

Material: Aluminium pipe 101.3x6, 6005A TS, anodised frosted silver 15um.

Strength: Meets the strength requirements of Section 4.2.2 of AS 4685:2021.

Caps: Moulded plastic (polyethylene) and fitted in factory with 2 rivets.

Platforms and Pipe Joints

Injection moulded 30% glass filled nylon, UV stabilised.

Fully reinforced, Marine Grade Aluminium (5005-H34). Minimum thickness 3mm.

Finish: Textured powder-coat.

Steel Components

Orbit – Galvanised steel pipes ALLGAL, RHS and SHS DURAGAL or 304 & 316 stainless steel.

Orbit Stainless – 316 electro polished stainless steel

Powder Coating

All steel components have a lead and TGIC free, baked polyester powder-coat finish.

Our finish of 80-120 microns greatly exceeds the required Australian Standard AS 3715-2002 of 60 microns.

Ropes

16 and 18mm abrasion resistant nylon rope, braided around a galvanised steel wire core with heavy duty pressed aluminium swages and connectors.

Tunnels

Rota-moulded polyethylene, UV stabilised, rating 8 with 930 density.

Rock Wall Panels

6mm aluminium sheets grade 5005-H34 mill finished and powder-coated.

Fittings

Security fasteners (bolts, nuts and washers) – galvanized, zinc, die-casted aluminium or stainless steel.

All fittings meet Australian Standard AS 1111, AS 1112 and AS 1390.

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STANDARDS

Complies with relevant Australian Standards including: AS 4685:2021 (P1-6) | AS 4685.0:2017 | AS 4422:2016

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