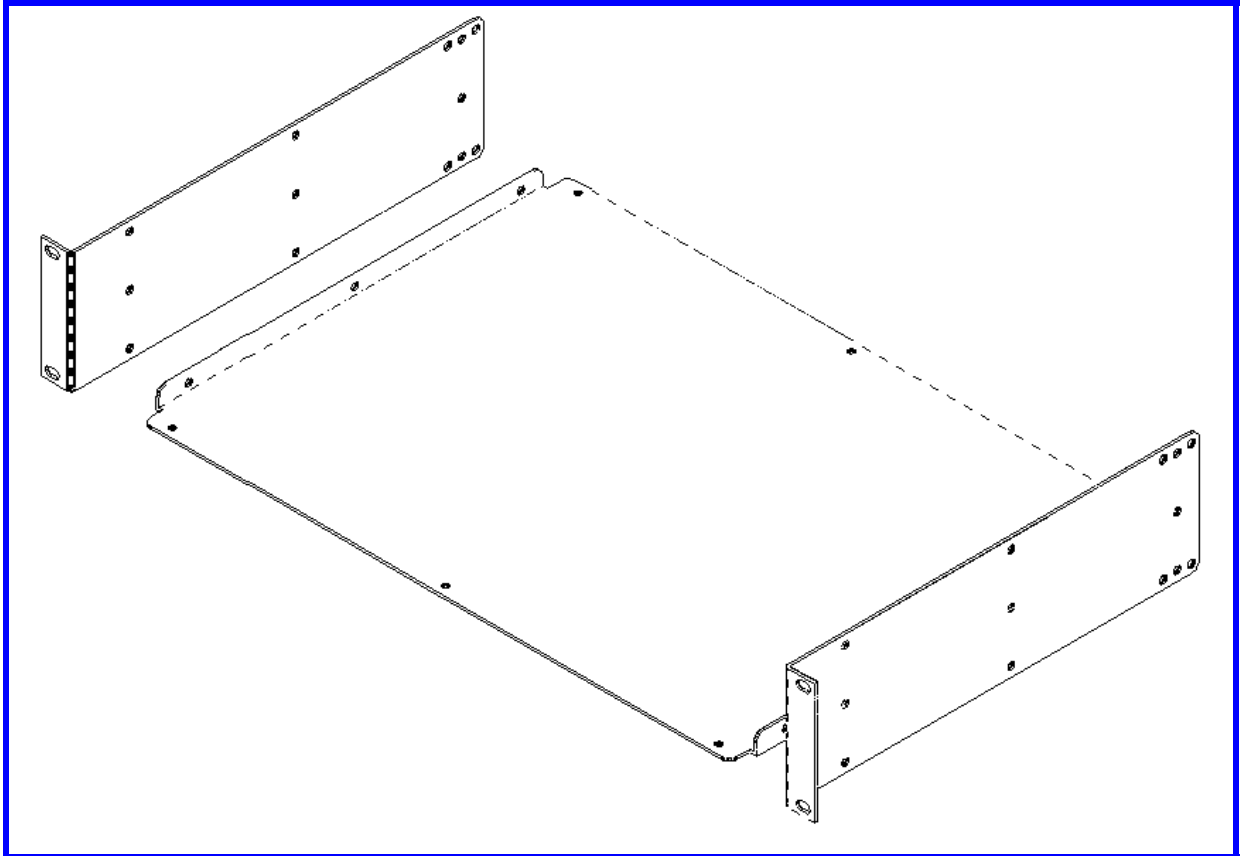


Rack Shelf Kits - the CASA modular CKD answer to versatile 19" Rack mounting of non-standard equipments.



We have started a small pilot-production batch of these in 1U & 2U x 300mm deep.

<http://www.casa.co.nz/MetalProducts/Rack/Shelves/Shelf-Kits/>

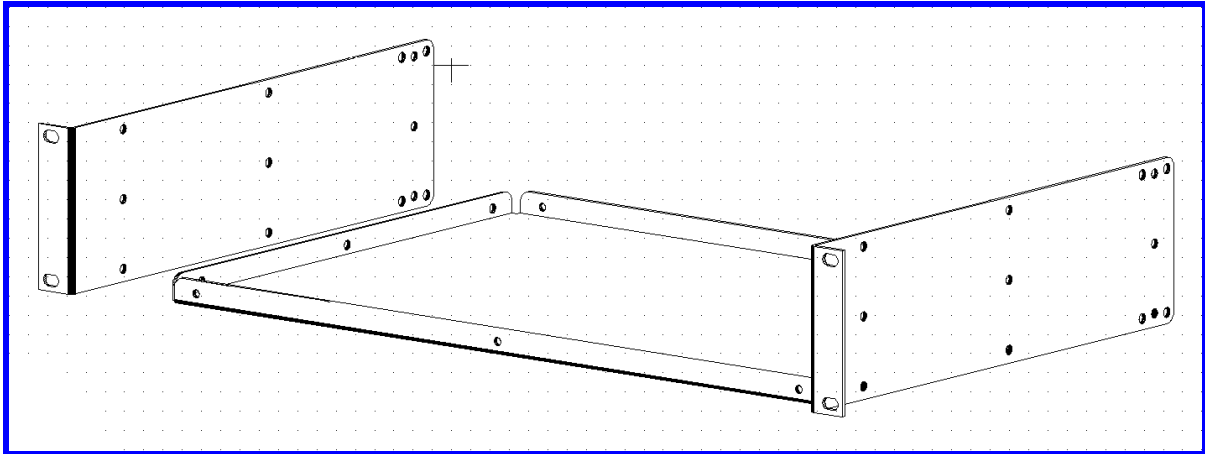
The general format is represented in this DRAFT drawing of a 2U x 300 shelf-kit

<http://www.casa.co.nz/MetalProducts/Rack/Shelves/Shelf-Kits/RSK-2U300F-Outline-Dwg.pdf>

The range embraces sizes from 1U x 150mm deep to 6U x 400mm deep, however, greater depths can be produced against firm orders.

The 5 proposed standard bottom/base panel front/rear fold options are represented in this PDF:

<http://www.casa.co.nz/MetalProducts/Rack/Shelves/Shelf-Kits/RSK2U300-Exploded-V12-Hidden.pdf>



There are some graphic-images added to the SHELF picture gallery:

<http://www.casa.co.nz/MetalProducts/Rack/Shelves/Shelf-Kits/Gallery/>

Your thoughts/criticisms/suggestion on the below are solicited?

Introduction:

Our 1-piece-shelves are economic in production but require significant set-up time and 50+ batches to achieve economics in pricing. We're prompted to offer the CKD MODULAR version now being prototyped from an initial design just completed and represented in the above 3D drawing (*left-hand side exploded and bottom panel with FURU folds installed in the standard mode*).

Features & Advantages Include:

- a) CKD kitset design offers **extended modularity variants without the high batch numbers** required to achieve economy in our one-piece design while still conforming to appropriate standards.
- b) **Additional shelf-trays can be added** to provide lids or intermediate shelves in a single shelf-chassis.
- c) Shelf-base-plate (tray/trays) **can be installed inverted** and/or readily supplied with front/rear folds (up-or-down) to meet specific needs
- d) **Vertical internal panels** may be mounted behind the rack-fixing face as a substitute to base/bottom panels or in addition to the base/top/panels etc. – **we welcome discussion about specific needs**.
- e) **Lacing bars** (M4 as used on CASA patch-panels or M5 for additional strength) can be fitted to support incoming cables
- f) A shelf-**tray with mounting for axial fans** (to make a forced-air- cooler for rack-equipments) is proposed for stock availability. Fans may also be included in custom side-brackets.
- g) The independent tray/base and sides makes for **easier customizing by installer** or CASA
- h) When ordered with pre-fitted M5 PEM self-clinching studs into the appropriate side-bracket holes, user's **assembly is facilitated by just fitting 4~6 x M5 hex nuts** (with or without spring-washers).
- i) Many of the special **accessories designed for the original CASA one-piece-shelves are applicable** to the CKD shelf-modules including the rear-support (high-load) gusset plates.

j) The present **4U height limit** (of the one-piece-folded-shelf) is **eliminated** (we can't fold a 1-piece-shelf greater than 4U high) and can be economically addressed with additional (5U and 6U) side-brackets (yet to be introduced into stock).

k) Custom **modifications/machining can be more readily achieved** on the separate parts (fully-folded shelves are cumbersome to re-work in the drill press or stamping press etc.)

l) **Packing** and handling in CKD form is less bulky and **less expensive**

Disadvantages:

1) there is a **small internal size compromise** introduced by the side flanges and M5 fasteners on the shelf-base (tray) and if/when the tray is mounted inverted (14mm side-flanges downward) a 14mm loss of internal height.

2) **if conventional fasteners are used** on the side-brackets in place of (or additional too) the PEM Flush-Studs some **care is required to ensure adequate side-clearance** to the rack frame in which the shelves are to be installed. Pre-installation of the M5x0mm PEM flush-head studs requires the rack-brackets to be supplied in LH and RH matching pairs.

3) the CKD modularity/flexibility/versatility **costs slightly more** than the one-piece-shelf

Progress Delivery and Prices:

An initial selection of 1U and 2U x 300mm blanks are already produced and ready for finishing (selected options are being paint/electroplate and assembled for samples for photographing etc.)

A quotation-template is offered as a guide to your prospective interests. A typical representative one-piece-shelf is included/priced for comparison (this RS-2Ux300 one-piece-shelf is based upon a minimum factory order of 50).

<http://www.casa.co.nz/MetalProducts/Rack/Shelves/Shelf-Kits/Quote-290809CA-Draft.pdf>

These draft prices are indicative and as expected, more expensive than the 1 part folded version. Further pricing will be available/updated when we have confirmed production costs based upon the prototypes/samples AND a good batch-size is determined - PERHAPS - with some customer orders?

Comments & Criticisms:

Your comments will be appreciated relative to your expected uses or future applications.

Note – please review the standard CASA one-piece rack shelves in this data sheet:

<http://www.casa.co.nz/MetalProducts/Rack/Shelves/RackShelf-Data-4p.pdf>

and the other data on the Rack-Shelf product range:

<http://www.casa.co.nz/MetalProducts/Rack/Shelves/>

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