WORK VANS AND 4WDs

You’ll need to exercise your imagination a bit here, but there can’t be a neater or simpler way to fit out the work van to carry all those tools and equipment.

It works just as well in recreational 4WDs, caravans and trailers too. And you can take it all out and use it somewhere else when you need to!

SOME HANDY HINTS

- Use only a 10mm socket or spanner.
- Loosely assemble all components before finally tightening and squaring.
- Do not over-tighten nuts and bolts.
- The more corner plates (re: Starter Pack) used, the stronger/squarer the structure will be.
- Lengths are marked at 50mm increments to enable easy measuring and cutting with either a hacksaw or angle grinder, if required.
- Wear appropriate safety equipment.
- Metal Mate Slotted Steel can be re-used.

WORKSHOP BENCH

How about a work bench for the garage or workshop? This one’s pretty basic and is around 600mm deep.

Make it 900mm deep and add an extra shelf if you reckon you’ll need a bit more storage or work space. A sheet of pegboard at the back makes for a great hanging space for all your hand tools.

Materials required

Metal Mate Slotted Steel Angle
7 lengths x 1800mm
6 lengths x 900mm
6 lengths x 600mm (or cut from 3 x 1200mm)
2 Starter Packs
1 Add on Pack

Timber
2 sheets 1800 x 600 x 16mm MDF or pegboard for backboard.

Miscellaneous
Fasteners for securing sheets to frame.

ACCESSORY PACKS

The Metal Mate Slotted Steel Angle System uses Accessory Packs containing nuts, bolts, corner plates and plastic feet.

STARTER PACKS
Contents
24 x nuts and bolts
6 x corner plates
4 x plastic feet

ADD-ON PACK
60 x nuts and bolts

PRODUCT SPECIFICATIONS
Black powder coated finish
32 x 32 x 1.5mm. Available in lengths 600mm, 900mm, 1200mm, 1800mm and 2400mm.

Galvanised (Heavy Duty)
38 x 38 x 1.8mm. Available in 900mm, 1800mm and 3000mm lengths.

These instructions and projects are intended as a guide only. Seek expert advice from your retailer if you are in any doubt.

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Mate, anyone can just bolt it and build it!

SLOTTED STEEL ANGLE

WHAT A GREAT NEW ANGLE
FOR HOME PROJECTS!
HUNDREDS OF USES

You can tackle all kinds of projects with versatile Metal Mate Slotted Steel Angle. The only tool you’ll need is a 10mm socket or spanner, and in some instances a hacksaw.

- Home — shelving/storage racks, toy boxes, sheds, bird aviaries, cubby houses, trolleys, wine racks, benches, entertainment units, garden potting benches
- Garage — work benches, shelving/storage racks, tool boxes, frames
- Office — archive file storage, shelving/storage racks, collating benches, display stands
- Retail stores — display fixtures, shelving/storage racks, display trolleys
- Portable — camp/market benches, display stands, trolleys, frames
- Automotive — van racking, trailer frames, 4WD storage compartments, caravan shelving/storage.

A storage unit like this one can be the basis of all kinds of shelving and storage racking in the home, garage — even the office.

Just keep adding to it as you need. Particle board shelving is OK for most applications, or you can include melamine shelving where appearance is important. Use the heavy duty galvanised angle for applications that need to carry a bit of extra weight.

**Materials required**

- **Metal Mate Slotted Steel Angle**
  - 4 lengths x 1800mm
  - 8 lengths x 900mm
  - 8 lengths x 600mm (or cut from 4 x 1200mm)
  - 2 x Starter Packs
  - 1 x Add On Pack

- **Timber**
  - 4 sheets 900 x 600 x 16mm MDF or similar.

**Work/Garden Shed**

Why not build this work or garden shed? This design even includes a built-in work bench. The easy to build, portable framework is very versatile, extremely strong and is readily adaptable to other uses — a cubby house for the kids, a greenhouse or even a bird aviary. The possibilities are endless with Metal Mate Slotted Steel Angle!

**Materials required**

- **Metal Mate Slotted Steel Angle**
  - 7 lengths x 2400mm
  - 11 lengths x 1800mm
  - 1 length x 1200mm
  - 7 lengths x 900mm
  - 1 length x 600mm
  - 3 x Starter Packs
  - 1 x Add On Pack
  - Optional door
  - 2 lengths x 1800mm
  - 4 lengths x 600mm
  - 1 for header jamb

**Miscellaneous**

Concrete slab/masonry anchors, wall and roof cladding?
We recommend Metal Mate mini galvanised corrugated iron.
You will need 12 x 2100mm and 3 x 1800mm sheets with fasteners to suit (ask your retailer for advice if necessary). Use MDF or similar for workbench top —
- 1 sheet 1800 x 600 x 16mm.
  - The door will require hinges and a latch.
  - Check with your local council to see if you need a permit.

Use Metal Mate mini corrugated iron for roof and walls. Fix to frame with roofing bolts and nuts. Alternatively you could use polycarbonate sheet, exterior ply, wire mesh/netting, etc. as required.
**HUNDREDS OF USES**

You can tackle all kinds of projects with versatile Metal Mate Slotted Steel Angle. The only tool you’ll need is a 10mm socket or spanner, and in some instances a hacksaw.

- **Home** — shelving/storage racks, toy boxes, sheds, bird aviaries, cubby houses, trolleys, wine racks, benches, entertainment units, garden potting benches
- **Garage** — work benches, shelving/storage racks, tool boxes, frames
- **Office** — archive file storage, shelving/storage racks, collating benches, display stands
- **Retail stores** — display fixtures, shelving/storage racks, display trolleys
- **Portable** — camp/market benches, display stands, trolleys, frames
- **Automotive** — van racking, trailer frames, 4WD storage compartments, caravan shelving/storage.

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**STORAGE UNIT**

A storage unit like this one can be the basis of all kinds of shelving and storage racking in the home, garage — even the office. Just keep adding to it as you need.

Particle board shelving is OK for most applications, or you can include melamine shelving where appearance is important. Use the heavy duty galvanised angle for applications that need to carry a bit of extra weight.

**Materials required**

Metal Mate Slotted Steel Angle
- 4 lengths x 1800mm
- 8 lengths x 900mm
- 8 lengths x 600mm (or cut from 4 x 1200mm)
- 2 x Starter Packs
- 1 x Add On Pack

Timber
- 4 sheets 900 x 600 x 16mm MDF or similar.

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**WORK/GARDEN SHED**

Why not build this work or garden shed? This design even includes a built-in work bench. The easy to build, portable framework is very versatile, extremely strong and is readily adaptable to other uses — a cubby house for the kids, a greenhouse or even a bird aviary. The possibilities are endless with Metal Mate Slotted Steel Angle.

**Materials required**

Metal Mate Slotted Steel Angle
- 7 lengths x 2400mm
- 11 lengths x 1800mm
- 1 length x 1200mm
- 7 lengths x 900mm
- 1 length x 600mm
- 3 x Starter Packs
- 1 x Add On Pack
- Optional door
- 2 lengths x 1800mm
- 4 lengths x 600mm
- (1 for header jamb)

Miscellaneous
- Concrete slab/masonry anchors, wall and roof cladding?
- We recommend Metal Mate mini galvanised corrugated iron.
- You will need 12 x 2100mm and 3 x 1800mm sheets with fasteners to suit (ask your retailer for advice if necessary).
- Use MDF or similar for workbench top —
  - 1 sheet 1800 x 600 x 16mm.
  - The door will require hinges and a latch.
  - Check with your local council to see if you need a permit.

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Note: You can use the Metal Mate aluminium trexoidate shelving for oily or greasy parts storage, or use melamine where appearance is important.

Use 16mm MDF or similar for workbench top. 1800 x 600mm

Use Metal Mate mini corrugated iron for roof and walls. Fix to frame with roofing bolts and nuts. Alternatively you could use polycarbonate sheet, exterior ply, wire mesh/netting, etc. as required.

Detail A showing how to join 900mm sections to the centre upright by using a 50mm off-cut to form an end. This can then be bolted to the upright as indicated.
**WORK VANS AND 4WDs**

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**WORKSHOP BENCH**

*Note: Cut 50mm lengths for floor and wall anchor points. Use masonry anchors or similar for extra rigidity.*

How about a work bench for the garage or workshop? This one’s pretty basic and is around 600mm deep. Make it 900mm deep and add an extra shelf if you reckon you’ll need a bit more storage or work space. A sheet of pegboard at the back makes for a great hanging space for all your hand tools.

**Materials required**

- **Metal Mate Slotted Steel Angle**
  - 7 lengths x 1800mm
  - 6 lengths x 900mm
  - 6 lengths x 600mm (or cut from 3 x 1200mm)
  - 2 Starter Packs
  - 1 Add on Pack
- **Timber**
  - 2 sheets 1800 x 600 x 16mm MDF or pegboard for backboard
- **Miscellaneous**
  - Fasteners for securing sheets to frame.

**ACCESSORY PACKS**

The Metal Mate Slotted Steel Angle System uses Accessory Packs containing nuts, bolts, corner plates and plastic feet.

**STARTER PACKS**

- Contents
  - 24 x nuts and bolts
  - 8 x corner plates
  - 4 x plastic feet

**ADD-ON PACK**

- 60 x nuts and bolts

**PRODUCT SPECIFICATIONS**

- **Black powder coated finish**
  - 32 x 32 x 1.5mm. Available in lengths 600mm, 900mm, 1200mm, 1800mm and 2400mm.
- **Galvanised (Heavy Duty)**
  - 38 x 38 x 1.8mm. Available in 900mm, 1800mm and 3000mm lengths.

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**SLOTTED STEEL ANGLE**

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Hint: use the Slotted Steel Angle upside down and sit MDF shelving inside the frame. This will help form an anti-slip ledge.

Hint: use Slotted Steel Angle for fitting out van racking, trailer frames, 4WD storage compartments, caravan shelving, storage, etc.

WORKSHOP BENCH

- Pegboard at back for hanging tools
- 2 shelves
- 16mm MDF benchtop and shelving

Hint: Notch saw cut bottom timber shelf around twin uprights

Hint: Cut 50mm lengths for floor and wall anchor points. Use masonry anchors or similar for extra rigidity.

How about a work bench for the garage or workshop? This one’s pretty basic and is around 600mm deep. Make it 900mm deep and add an extra shelf if you reckon you’ll need a bit more storage or work space. A sheet of pegboard at the back makes for a great hanging space for all your hand tools.

Materials required
- Metal Mate Slotted Steel Angle
- 7 lengths x 1800mm
- 6 lengths x 900mm
- 6 lengths x 600mm (or cut from 3 x 1200mm)
- 2 Starter Packs
- 1 Add on Pack

Timber
- 2 sheets 1800 x 600 x 16mm MDF or pegboard for backboard
- 1 sheet 1800 x 900 MDF or pegboard for backboard

Miscellaneous
- Fasteners for securing sheets to frame.

ACCESSORY PACKS

The Metal Mate Slotted Steel Angle System uses Accessory Packs containing nuts, bolts, corner plates and plastic feet.

STARTER PACKS
- Contents
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