Vanessa International
Private Limited · Aligarh, India

2026

MANUFACTURER & EXPORTER

Conduit Fittings Product Catalogue

MS locknuts · conduit locknuts · GI checknuts · lockrings · conduit couplers · flex pipe couplers · GI bends · CI junction boxes · saddles · EMT fittings



Conduit fittings made in our works in Aligarh

ISO 9001 certified · MSME and GST registered · Export certified

Threads to Metric, BSP, NPT or ASTM · Custom parts to your drawing

ABOUT US

We make the fittings that lock, join, turn and fix electrical conduit.

Vanessa International Private Limited manufactures conduit fittings in its own works in Aligarh, India, the country's lock and hardware manufacturing centre. We supply dealers, contractors, panel builders and OEMs across India, and importers and distributors abroad.

Our main product is the **MS locknut**, also known as the galv locknut or checknut, made from 16 mm to 63 mm.

Power pressing

Locknuts, lockrings, saddles and clamps pressed in-house.

Casting

Cast iron junction boxes, zinc die-cast EMT fittings and custom castings to drawing.

Machining

Threads cut to Metric, BSP, NPT or ASTM.

Plating

Galvanised, zinc plated and other finishes.

ISO 9001 certified · MSME registered · GST registered · Export certified

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Sizes outside these ranges, other thread standards and other finishes can be made to order. Send a sample or drawing.



OUR MAIN PRODUCT

MS locknut

Also called: galv locknut · galvanised locknut · checknut · MS check nut

An **MS locknut** is a mild steel hex nut that screws onto the threaded end of a conduit, connector or cable gland inside a box or panel and locks it tight, so the joint cannot work loose under vibration. Electricians and buyers call the same part a **galv locknut** (when it is galvanised) or a **checknut**.

Vanessa International makes MS locknuts from **16 mm to 63 mm** in its own works in Aligarh, the lock and hardware manufacturing centre of India. Threads are cut to Metric as standard, and to BSP, NPT or ASTM when you need them, so the nut matches the conduit or gland you use in your market.

Need a size, thickness or thread outside our standard range? Send a sample or drawing and we will quote for it.

Specifications

Size range	16 mm to 63 mm
Material	Mild steel (MS)
Finish	Galvanised (galv); other finishes on request
Shape	Hexagonal
Threads	Metric as standard; BSP, NPT or ASTM on request
Use	Locking conduit, conduit fittings and cable glands to boxes, panels and enclosures
Supply	Bulk for dealers, contractors, OEMs and importers

Where it is used

- **Conduit and boxes.** Locks steel or PVC conduit connectors to junction boxes, switch boxes and distribution boards.
- **Cable glands.** Holds metric cable glands firmly in panel and enclosure walls.
- **Panels and machinery.** Used by panel builders and machine makers wherever a threaded entry must stay tight.

Same part, three names

MS locknut, galv (galvanised) locknut and checknut are names buyers use for the same mild steel hex locknut. Quote any of them and we will understand.







CONDUIT LOCKNUTS

Conduit locknut

Also called: conduit lock nut · electrical locknut · steel conduit locknut

Zinc plated conduit locknuts from ½″ to 2″ that hold conduit and fittings firmly against enclosures and panels, so the joint stays tight in service. Made in Aligarh, India, for bulk and export orders.

Size range	½″ to 2″
Finish	Zinc plated
Threads	Metric, BSP, NPT or ASTM to order
Use	Holding conduit, connectors and fittings tight against enclosures, boxes and panels
Supply	Bulk for dealers, contractors and importers

Where it is used

- **Enclosures and boxes.** Secures conduit connectors to junction, pull and switch boxes.
- **Panels.** Holds conduit entries tight in control and distribution panels.
- **Fittings.** Locks threaded conduit fittings in place on site.



CONDUIT LOCKNUTS

GI checknut

Also called: galvanized iron checknut · GI check nut · GI locknut

Galvanized iron (GI) checknuts from ¾″ to 2″ that lock threaded conduit and fittings in place and resist corrosion on site. Made in our works in Aligarh, India.

Size range	¾″ to 2″
Material	Galvanized iron (GI)
Shape	Hexagonal
Threads	Metric, BSP, NPT or ASTM to order
Use	Locking threaded conduit and fittings in place

Where it is used

- **Conduit runs.** Locks threaded GI conduit and fittings in place.
- **Damp locations.** The galvanized finish resists corrosion outdoors and in damp areas.
- **Boxes and panels.** Holds threaded entries tight in boxes and panels.





CONDUIT LOCKNUTS

Conduit milled edge lockring

Also called: lock ring · conduit lock ring · milled edge locking ring

Threaded conduit lockrings with a milled outer edge for a firm grip. They secure conduit fittings and components tightly to panels and enclosures. Sizes 20 mm to 50 mm, galvanised.

Size range	20 mm to 50 mm
Finish	Galvanised
Edge	Milled (serrated) outer edge for grip
Threads	Metric, BSP, NPT or ASTM to order
Use	Securing conduit fittings and components to panels and enclosures

Where it is used

- **Panels and enclosures.** Locks conduit fittings and glands to panel walls.
- **Low-profile joints.** The thin ring suits tight spaces inside boxes.
- **Electrical installations.** Used by contractors and panel builders.



CONDUIT COUPLERS AND SOCKETS

Conduit coupler (GI socket)

Also called: GI socket · conduit pipe coupler · GI conduit socket · coupling

Galvanized iron conduit couplers that join two threaded pipes of the same diameter in a straight line. Sizes 12 mm to 63 mm, for conduit and plumbing lines.

Size range	12 mm to 63 mm
Material	Galvanized iron (GI)
Threads	Metric, BSP, NPT or ASTM to order
Use	Joining two threaded pipes of the same size in conduit and plumbing lines

Where it is used

- **Straight conduit runs.** Joins two lengths of threaded conduit end to end.
- **Plumbing lines.** Also used to join threaded GI pipes.
- **Site installation.** Galvanized for outdoor and damp locations.





CONDUIT COUPLERS AND SOCKETS

Flex pipe coupler

Also called: flexible conduit coupler · flexible pipe connector · flex conduit connector

Couplers that join flexible conduit to fittings and boxes securely, while keeping the run flexible. Sizes 12 mm to 75 mm.

Size range	12 mm to 75 mm
Threads	Metric, BSP, NPT or ASTM to order
Use	Joining flexible conduit to boxes, panels and fittings

Where it is used

- **Motors and machines.** Connects flexible conduit to equipment that moves or vibrates.
- **Panels and boxes.** Terminates flexible conduit at panel and box entries.
- **Industrial wiring.** Used in factories, plants and workshops.



CONDUIT BENDS

Normal GI conduit bend

Also called: GI bend · conduit bend · GI pipe bend · conduit elbow

Standard galvanized iron conduit bends that turn a run around corners smoothly, so cables pull through without snagging. Sizes 20 mm to 32 mm.

Size range	20 mm to 32 mm
Material	Galvanized iron (GI)
Use	Turning conduit runs around corners

Where it is used

- **Corners.** Turns conduit runs around walls and ceilings.
- **Cable pulling.** Smooth curve protects cables while pulling.
- **Surface and concealed wiring.** Used in building and industrial installations.

JUNCTION BOXES

Cast iron (CI) junction box

Also called: CI junction box · circular junction box · conduit box

Cast iron enclosures that protect wire connections in heavy-duty and harsh environments. Strong, heat resistant and long lasting, with in-house casting for custom designs.



1-way terminal

Ends a conduit run at a single entry.



2-way through

Two opposite entries for a straight run.



2-way angle

Two entries at 90° to turn a run.



3-way tee

Three entries to branch a run.

Specifications

Material	Cast iron
Styles	1-way terminal, 2-way through, 2-way angle, 3-way tee
Sizes	On request
Use	Protecting wire connections and branching conduit runs

Where it is used

- **Heavy-duty installations.** Industrial plants, workshops and outdoor runs.
- **Branching runs.** Tee and angle boxes branch or turn conduit.
- **Custom castings.** Boxes and parts cast to your drawing.



CONDUIT SADDLES

GI spacer bar saddle

Also called: galv spacer bar saddle · galvanised space bar saddle · GI space bar saddle · distance saddle

Galvanised (GI) spacer bar saddles from 12 mm to 32 mm that fix conduit to walls and ceilings while holding it a set distance off the surface, so several runs stay neat, straight and secure. Made in our own works in Aligarh, India.

Size range	12 mm to 32 mm
Finish	Galvanised (GI)
Fixing	Screw fixed to the wall or ceiling
Use	Fixing surface conduit runs a set distance off the wall or ceiling
Supply	Bulk for dealers, contractors and importers

Where it is used

- **Surface conduit runs.** Fixes conduit along walls and ceilings in buildings and plants.
- **Damp and outdoor areas.** The galvanised finish resists rust on site and outdoors.
- **Uneven walls.** The spacer bar keeps the conduit straight where the wall surface is rough or uneven.





CONDUIT SADDLES

Powder coated spacer bar saddle

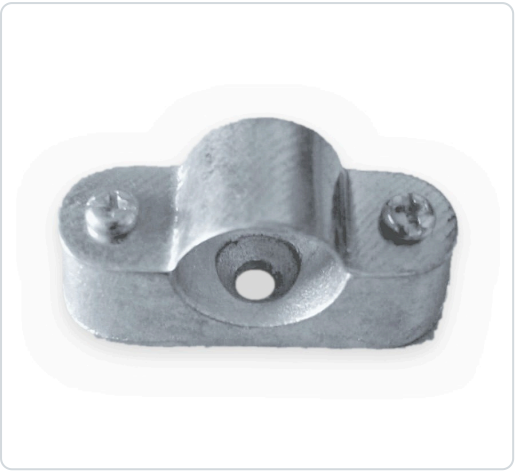
Also called: white spacer bar saddle · black spacer bar saddle · powder coated space bar saddle · painted distance saddle

Powder coated spacer bar saddles in white and black, from 12 mm to 32 mm. They hold conduit a set distance off the wall or ceiling and blend in with finished surfaces, so exposed wiring looks neat. Made in our own works in Aligarh, India.

Size range	12 mm to 32 mm
Finish	Powder coated, white or black
Fixing	Screw fixed to the wall or ceiling
Use	Exposed conduit runs on finished walls and ceilings
Supply	Bulk for dealers, contractors and importers

Where it is used

- **Offices, shops and homes.** Neat exposed conduit on painted walls and ceilings.
- **Matching colour.** White saddles for white walls and conduit, black for dark finishes.
- **Uneven walls.** The spacer bar keeps the conduit straight where the wall surface is rough or uneven.



CONDUIT SADDLES

Hospital saddle

Also called: conduit hospital saddle · hospital pattern saddle · two-piece saddle

Two-piece saddles from 20 mm to 32 mm that hold conduit clear of the wall or ceiling, so dust cannot collect behind it and the surface stays easy to clean. Made in our own works in Aligarh, India.

Size range	20 mm to 32 mm
Construction	Two-piece: base and top strap
Fixing	Base fixes with one central screw; strap fixes to the base with two screws
Use	Fixing conduit clear of walls and ceilings in areas that must be kept clean
Supply	Bulk for dealers, contractors and importers

Where it is used

- **Hospitals and clinics.** Keeps wall and ceiling surfaces behind conduit easy to clean.
- **Kitchens and food areas.** Leaves no gap where dirt and grease can collect behind the run.
- **Labs and clean rooms.** Neat surface conduit that can be wiped down.





CONDUIT SADDLES

Steel saddle clamp

Also called: conduit saddle clamp · pipe saddle clamp · two-hole saddle · MS saddle

Pressed steel saddle clamps from 12 mm to 32 mm that hold conduit or pipe firmly to walls and ceilings. A ribbed strap adds strength, and a screw through each side lug fixes it in place. Made in our own works in Aligarh, India.

Size range	12 mm to 32 mm
Material	Steel
Construction	Pressed steel with a ribbed strap
Fixing	One screw through each side lug
Use	Clamping conduit or pipe to walls and ceilings
Supply	Bulk for dealers, contractors and importers

Where it is used

- **Conduit runs.** Holds steel or PVC conduit firmly along walls and ceilings.
- **Pipe lines.** Also fixes small pipes and tubes in buildings and plants.
- **Industrial sites.** A strong steel grip for factories, workshops and plant rooms.



EMT FITTINGS

EMT set screw connector

Also called: EMT connector · set screw EMT connector · EMT box connector · EMT conduit connector

Set screw connectors that join EMT conduit to boxes, panels and enclosures. The conduit slides into the body and is held by a set screw, and the threaded end passes through the knockout and is locked with the locknut supplied. Zinc die-cast, made in Aligarh, India.

Size range	¾″ to 2″
Type	Set screw
Body	Zinc die-cast
Box end	Threaded, with locknut
Fits	EMT conduit to ANSI C80.3 dimensions
Supply	Bulk for distributors, contractors and importers

Where it is used

- **Boxes and enclosures.** Connects EMT conduit to junction, outlet and pull boxes.
- **Panels.** Terminates EMT runs at distribution and control panels.
- **Indoor dry locations.** Set screw EMT fittings are used for indoor, dry installations in commercial buildings.



EMT FITTINGS

EMT set screw coupling

Also called: EMT coupling · set screw EMT coupling · EMT conduit coupling · EMT coupler

Set screw couplings that join two lengths of EMT conduit in a straight run. Each end of the conduit is held by its own set screw, so the joint stays firm and electrically continuous. Zinc die-cast, made in Aligarh, India.

Size range	¾″ to 2″
Type	Set screw, two screws
Body	Zinc die-cast
Fits	EMT conduit to ANSI C80.3 dimensions
Supply	Bulk for distributors, contractors and importers

Where it is used

- **Straight EMT runs.** Joins lengths of EMT conduit in commercial and industrial buildings.
- **Repairs and extensions.** Extends existing EMT runs quickly with a screwdriver.
- **Indoor dry locations.** Set screw EMT fittings are used for indoor, dry installations.







EMT FITTINGS

EMT two-hole strap

Also called: EMT strap · 2-hole EMT strap · EMT conduit strap · EMT pipe strap

Two-hole straps that fix EMT conduit firmly to walls, ceilings and steel structures. Pressed from steel with a ribbed strap for strength and zinc plated against rust. Made in Aligarh, India, from ¾″ to 2″.

Size range	¾″ to 2″
Material	Steel, zinc plated
Construction	Pressed steel with a ribbed strap
Fixing	One screw through each of the two holes
Fits	EMT conduit to ANSI C80.3 dimensions
Supply	Bulk for distributors, contractors and importers

Where it is used

- **Walls and ceilings.** Fixes exposed EMT conduit runs in commercial and industrial buildings.
- **Steel structures.** Holds EMT to channel, beams and frames.
- **Neat parallel runs.** Keeps several conduit runs evenly spaced and secure.



CONDUIT FITTINGS

Electrical crampet

Crampets for electrical installation work, made in our works in Aligarh. Sizes and patterns are made to order: send a sample or drawing with the size you need.

Sizes	On request
Supply	Bulk for dealers, contractors and importers

MADE TO ORDER

Custom fittings to your drawing

Need a fitting that is not in this catalogue, or a different size, thread or finish? Send us a drawing, photo or sample. We make parts in-house with power pressing, casting, machining and plating.

- **Threads:** Metric, BSP, NPT or ASTM
- **Finishes:** galvanised, zinc plated, powder coated and others
- **Materials:** mild steel, galvanized iron, cast iron, zinc die-cast
- **Supply:** bulk orders for India and export

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HOW TO ORDER

Send your list. We reply with price and lead time.

1. **Items and sizes.** Product names from this catalogue and the sizes you need.
2. **Thread and finish.** Metric, BSP, NPT or ASTM, and the finish.
3. **Quantity.** Per size. We supply in bulk.
4. **Delivery.** Your city, or for export your country and port.

> Custom parts: send a drawing, photo or sample of any fitting and we will quote to make it, with in-house casting, plating and machining.

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