



GI FOUR BOLT CLAMP

Four bolt Hose Clamp · Galvanised Steel

SKU: SWBM-002

BRAND: SW FLOW CONTROLS

SIZE 1" TO 4"

FOUR BOLT CLAMP



FIG. 1 | GI FOUR BOLT CLAMP, FOUR BOLT BAND

PRODUCT OVERVIEW

The SWBM FOUR BOLT CLAMP secures a hose onto a tail or spigot where a worm drive clip does not give enough grip. Four bolts spread the clamping load across a wider band, which suits large bore, high pressure and abrasive service where a worm drive clip would not hold.

The band is pressed steel and the bolts are drawn up evenly from both sides, which keeps the load square around the hose. All parts are galvanised for site service in wet and abrasive conditions.

Fitting type	four bolt hose clamp
Function	Clamps a hose onto a tail under heavy load
Material	Steel, galvanised
End connection	Band, saddles and bolts
Coupling family	Four Bolt Clamp
Size range	1" to 4"

TECHNICAL SPECIFICATION

Clamp type	Four bolt band clamp	Duty	Heavy duty hose clamping
Material	Steel, galvanised	Temperature range	-20°C to +100°C nominal
Finish	Zinc coated	Reusable	Yes, subject to inspection
Bolts	4 nos., hexagon head	Hose types	Water, air, suction and delivery hose
Band	Pressed steel, two halves	Inspection	Visual before despatch
Selection	By hose outside diameter over the tail	Certification	Material certificate on request



PRODUCT DATA SHEET

GI FOUR BOLT CLAMP
Ref. SWBM-002 | Rev. 01

BILL OF MATERIALS

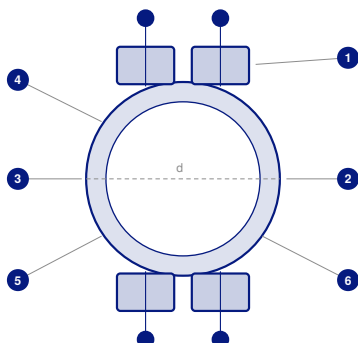


FIG. 2 | SECTIONAL ARRANGEMENT

#	FEATURE	DESCRIPTION
1	Band	Pressed steel, two halves
2	Saddles	Bridge pieces carrying the bolts
3	Bolts	4 nos., hexagon head
4	Nuts	4 nos., hexagon
5	Band edge	Rolled or folded to protect the hose
6	Galvanised coating	Zinc coating on all parts

Supplied complete with bolts and nuts. Replacement bolt sets are available against enquiry.

DIMENSIONS AND WEIGHTS

SIZE	NOMINAL HOSE ID (MM)	BOLTS	BAND
1"	25	4	Pressed steel, galvanised
1.1/4"	32	4	Pressed steel, galvanised
1.1/2"	38	4	Pressed steel, galvanised
2"	51	4	Pressed steel, galvanised
2.1/2"	64	4	Pressed steel, galvanised
3"	76	4	Pressed steel, galvanised
4"	102	4	Pressed steel, galvanised

Clamps are ordered by the outside diameter of the hose over the tail, not by the hose bore alone. Send the measured hose OD with the enquiry so the correct clamping range is supplied. Band widths and clamping ranges are to manufacturer standard and are not stated here.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SWBM-002
Size	1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4"
Thread	Not applicable
Material	Steel, galvanised
Order example	SWBM-002 / 2" / GALVANISED

Stock held in Dubai for fast despatch across the UAE and GCC. Contact our sales desk for pricing, availability, project quantities and certification requirements.



PRESSURE AND TEMPERATURE

Service	Sets the seal, not a pressure containing part
Working pressure	Governed by the hose and the tail
Temperature range	-20°C to +100°C nominal
Duty	Static clamping, re-tightenable

A hose clamp does not carry a pressure rating of its own. The safe working pressure of the assembly is set by the hose, the tail and the clamping arrangement. Confirm the duty with SWBM for compressed air service.

TYPICAL APPLICATIONS

- Compressed air lines on site and in workshops
- Water transfer, dewatering and washdown hoses
- Concrete, plaster and shotcrete delivery lines
- Fuel and lubricating oil transfer
- Irrigation and agricultural pumping
- General plant, quarry and construction hose service

COMPLIANCE AND QUALITY

- Body hot dip galvanised for corrosion protection
- Taper external threads to ISO 7-1 / BS 21
- NPT threads to ASME B1.20.1 available to order
- Serrated hose tails for positive grip under clamping
- Visual and dimensional inspection prior to despatch
- Material test certificate available on request

INSTALLATION AND OPERATION

- Measure the hose outside diameter over the tail before selecting the clamp
- Push the hose fully home over the serrations first
- Tighten the bolts evenly, a little at a time, working across the clamp
- Keep the band clear of the tail nose so the hose is not cut
- Re-check the bolts after the first pressurisation
- Fit a whip check across the joint on every compressed air line

COMPANY

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