BAUER HOSE COUPLING SET – MALE X FEMALE

Lever Lock Coupling Set · Galvanised Steel

SKU: SW-0073 | BRAND: SW FLOW CONTROLS | SIZE 2" TO 6" | LEVER COUPLING

FIG. 1 | BAUER TYPE COUPLING SET, MALE AND FEMALE HALVES

PRODUCT OVERVIEW

The SWBM Bauer type coupling set makes a quick connect joint on large bore water and slurry hose. The male half drops into the female half and two cam levers pull the joint together onto a rubber seal, so a full size line can be made or broken in seconds without tools.

The set is supplied as a matched pair with hose tails. Both halves are cast and hot dip galvanised, which suits them to dewatering, quarry, irrigation and construction service.

Fitting type	**Lever lock hose coupling set**
Function	**Quick connect joint for large bore hose**
Material	**Steel, hot dip galvanised**
End connection	**One male half, one female half**
Coupling family	**Lever Coupling**
Size range	**2" to 6"**

TECHNICAL SPECIFICATION

Coupling type	**Bauer type, cam lever**
Material	**Steel, galvanised**
Finish	**Hot dip galvanised**
Seal	**Rubber sealing ring, replaceable**
Locking	**Two cam levers**
Ends	**Hose tail or threaded, to order**

Working pressure	**10 bar (145 psi) nominal**
Temperature range	**-20°C to +80°C nominal**
Supply	**Matched male and female set**
Interchange	**Mate only with the same make and type**
Inspection	**Visual and dimensional before despatch**
Certification	**Material certificate on request**

BILL OF MATERIALS

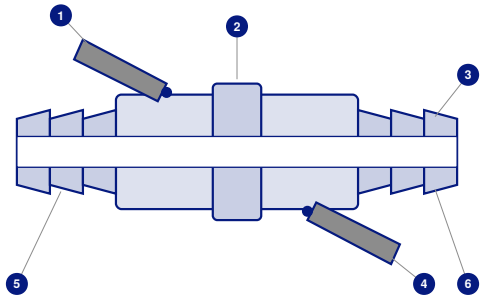

FIG. 2 | SECTIONAL ARRANGEMENT

#	FEATURE	DESCRIPTION
1	Male half	Cast body with sealing shoulder
2	Female half	Cast body with seal recess
3	Cam levers (2 nos.)	Draw and lock the joint closed
4	Sealing ring	Rubber seal in the female half
5	Hose tails	Serrated, one on each half
6	Galvanised coating	Hot dip zinc, inside and out

Supplied as a matched set with the seal fitted. Replacement seals and levers are stocked as separate items.

DIMENSIONS AND WEIGHTS

SIZE	DN	NOMINAL HOSE ID (MM)	SET CONTENTS
2"	50	51	Male half and female half
2.1/2"	65	64	Male half and female half
3"	80	76	Male half and female half
4"	100	102	Male half and female half

Bauer type couplings are ordered by nominal size and by hose tail or threaded end. Face dimensions and lever geometry vary between makes, so a Bauer coupling should be mated with the same make. Sizes are the nominal designation used for ordering. Body dimensions for this type of coupling are to manufacturer standard and vary between makes, so they are not stated here. Certified drawings and weights for the make supplied are issued on request.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0073
Size	2", 2.1/2", 3", 4", 5", 6"
Thread	BSPT or NPT, as ordered
Material	Steel, hot dip galvanised
Order example	**SW-0073 / 3" / HOSE TAIL / 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

Compressed air	**16 bar (232 psi) nominal, non-shock**
Water and general service	**16 bar (232 psi) nominal at ambient**
Temperature range	**-20°C to +100°C nominal**
Service	**Clean, non-corrosive and abrasive media**

Pressure and temperature figures are nominal values typical of this class of hose fitting and are not published on the product page. The safe working pressure of a hose assembly is set by the weakest component, usually the hose or the clamp. Confirm the rating with SWBM before the assembly is used on compressed air.

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

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

INSTALLATION AND OPERATION

- Match the coupling to the hose bore, never force an oversize tail
- Push the hose fully home over the serrations before clamping
- Use two clamps per tail on compressed air and abrasive service
- Fit a whip check or safety cable across every air hose joint
- Depressurise the line completely before breaking any coupling
- Inspect seals and serrations before each shift and replace if worn

COMPANY

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