

PERROT COUPLING

Lever Lock Irrigation Coupling · Galvanised Steel

SKU: SW-0075

BRAND: SW FLOW CONTROLS

SIZE 2" TO 4"

LEVER COUPLING



FIG. 1 | PERROT TYPE COUPLING, HOSE AND PIPE ENDS

PRODUCT OVERVIEW

The SWBM Perrot type coupling is the standard quick joint on portable irrigation and water transfer lines. The male end drops into the female cup and a hinged lever locks it against a rubber seal, so a long run can be laid out and taken up quickly by hand.

The design tolerates a degree of angular movement at each joint, which lets a line follow uneven ground without stressing the pipe. Bodies are cast and hot dip galvanised.

Fitting type	Perrot type quick coupling
Function	Quick connect joint for irrigation and transfer line
Material	Steel, hot dip galvanised
End connection	Male and female halves, hose or pipe
Coupling family	Lever Coupling
Size range	2" to 4"

TECHNICAL SPECIFICATION

Coupling type	Perrot type, lever lock	Working pressure	10 bar (145 psi) nominal
Material	Steel, galvanised	Temperature range	-20°C to +80°C nominal
Finish	Hot dip galvanised	Articulation	Tolerates angular movement at the joint
Seal	Rubber sealing ring, replaceable	Interchange	Mate only with the same make and type
Locking	Hinged lever	Inspection	Visual and dimensional before despatch
Ends	Hose tail or pipe end, to order	Certification	Material certificate on request



BILL OF MATERIALS

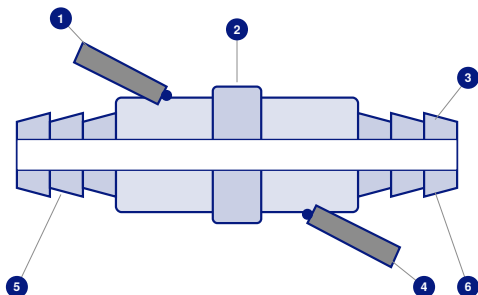


FIG. 2 | SECTIONAL ARRANGEMENT

#	FEATURE	DESCRIPTION
1	Male end	Cast body with sealing shoulder
2	Female cup	Cast body with seal recess
3	Locking lever	Hinged lever closing the joint
4	Sealing ring	Rubber seal in the female cup
5	Hose tail or pipe end	To order
6	Galvanised coating	Hot dip zinc, inside and out

Supplied with the seal fitted. Replacement seals, end caps and reducing pieces are stocked as separate items.

DIMENSIONS AND WEIGHTS

SIZE	DN	NOMINAL HOSE ID (MM)	ENDS
2"	50	51	Male and female, to order
2.1/2"	65	64	Male and female, to order
3"	80	76	Male and female, to order
4"	100	102	Male and female, to order

Perrot type couplings are ordered by nominal size and end type. Face dimensions and lever geometry vary between makes, so a Perrot 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-0075
Size	2", 2.1/2", 3", 4"
Thread	BSPT or NPT, as ordered
Material	Steel, hot dip galvanised
Order example	SW-0075 / 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.

TYPICAL APPLICATIONS

- Portable irrigation mains and laterals
- Agricultural water transfer
- Site dewatering and pump discharge
- Temporary water distribution
- Landscape and turf irrigation
- General water transfer hose and pipe

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

- 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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The information in this data sheet is provided in good faith and is believed to be accurate at the date of issue. Dimensions, weights and ratings are nominal and may vary with the manufacturer and production batch. It remains the responsibility of the purchaser to confirm that the product is suitable for the intended service conditions. Sunel Wala Building Materials Trading Co. LLC reserves the right to amend specifications without prior notice. This document does not form part of any contract of sale.