



GALVANISED STEEL CHICAGO FEMALE END

Universal Claw Coupling · Galvanised Steel

SKU: SW-0081

BRAND: SW FLOW CONTROLS

SIZE 1/4" TO 1.1/4"

CLAW COUPLING



FIG. 1 | CHICAGO FEMALE END, TWO LUG CLAW

PRODUCT OVERVIEW

The SWBM Chicago coupling, also called a universal or claw coupling, makes a quick connect joint in a compressed air line without tools. Two claws engage and lock with a quarter turn, and a safety pin holds the joint closed under vibration.

All Chicago ends of the same size interchange, so any end mates with any other. On this end the female thread receives a male nipple from a tool, valve or pipe run. The body is cast and hot dip galvanised for site durability.

Fitting type	Universal claw coupling
Function	Quick connect joint for compressed air hose
Material	Steel or malleable iron, galvanised
End connection	Claw by female thread
Coupling family	Claw Coupling
Size range	1/4" to 1.1/4"

TECHNICAL SPECIFICATION

Coupling type	Universal claw, two lug	Threads (BSPT)	ISO 7-1 / BS 21
Material	Steel or malleable iron, galvanised	Threads (NPT)	ASME B1.20.1
Finish	Hot dip galvanised	Working pressure	16 bar (232 psi) nominal
Seal	Rubber sealing ring, replaceable	Temperature range	-20°C to +100°C nominal
Locking	Safety pin or wire clip	Interchange	Mates with any Chicago end of the same size
Ends	Claw by female thread	Certification	Material certificate on request



PRODUCT DATA SHEET

GALVANISED STEEL CHICAGO FEMALE END

Ref. SW-0081 | Rev. 01

BILL OF MATERIALS

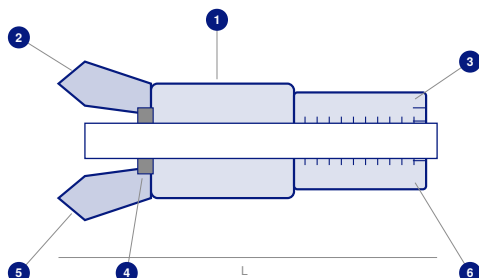


FIG. 2 | SECTIONAL ARRANGEMENT

#	FEATURE	DESCRIPTION
1	Claw lugs	Two lug universal pattern
2	Seal groove	Recess holding the sealing ring
3	Sealing ring	Rubber seal, supplied fitted
4	Safety pin hole	Drilling for the locking pin or clip
5	Body	Cast steel or malleable iron
6	Galvanised coating	Hot dip zinc, inside and out

Supplied with the sealing ring fitted. Safety pins, wire clips, seals and whip check cables are stocked as separate items and should be ordered with the coupling.

DIMENSIONS AND WEIGHTS

SIZE	NOMINAL HOSE ID (MM)	CONNECTION	CLAW PATTERN
1/4"	6	Female Thread	Two lug universal
3/8"	10	Female Thread	Two lug universal
1/2"	13	Female Thread	Two lug universal
3/4"	19	Female Thread	Two lug universal
1"	25	Female Thread	Two lug universal
1.1/4"	32	Female Thread	Two lug universal

Chicago couplings are ordered by nominal size and by end type. All ends of a given size mate with one another. 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-0081
Size	1/4", 3/8", 1/2", 3/4", 1", 1.1/4"
Thread	BSPT or NPT, as ordered
Material	Steel, hot dip galvanised
Order example	SW-0081 / 3/4" / 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.



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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

- 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

- Check the seal is seated in the groove before connecting
- Engage the claws fully and turn until the lugs are locked home
- Fit the safety pin or clip so the joint cannot back off
- Fit a whip check across the joint on every compressed air line
- Depressurise the line completely before disconnecting
- Replace the seal as soon as it hardens, cracks or extrudes

COMPANY

Sunel Wala Building Materials
Trading Co. LLC (SWBM)
Dubai, United Arab Emirates

SALES ENQUIRIES

info@swbm-fittings.com
Tel: +971 4 238 5652
Mobile / WhatsApp: +971 50 748 1772

ONLINE

www.swbm-fittings.com
Brand: SW Flow Controls

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