

SS CL150 REDUCING COUPLING / SOCKET

Reducing Straight Coupling · Stainless Steel 316 · Class 150

SKU: SW-0157

BRAND: SW FLOW CONTROLS

SIZE 1/8" TO 4"

CL150 / SS316



FIG. 1 | SS CL150 REDUCING COUPLING, FEMALE BOTH ENDS

PRODUCT OVERVIEW

The SWBM SS CL150 Reducing Coupling joins two male threaded ends of different sizes on a common axis. It changes line diameter in a single fitting, without the bush and socket combination that would otherwise be needed.

The internal transition is tapered to keep the change of section gradual. The body is investment cast in austenitic stainless steel and supplied pickled and passivated.

Fitting type	Reducing straight coupling
Function	Joins two male ends of different size
Material	Stainless steel, investment cast
End connection	Female threaded, both ends
Pressure class	Class 150
Size range	1/8" to 4" (DN6 to DN100)

TECHNICAL SPECIFICATION

Material	Stainless steel, 304 or 316	Internal thread	Parallel Rp, ISO 228-1
Pressure class	Class 150	Working pressure	16 bar (232 psi) nominal at ambient
Manufacture	Investment cast, machined threads	Temperature range	-40°C to +200°C nominal
Finish	Pickled and passivated	Dimensional pattern	ISO 4144 / general threaded pattern
Threads (BSPT)	ISO 7-1 / BS 21	Ends	Female threaded, both ends
Threads (NPT)	ASME B1.20.1	Size range	1/8" to 4" (DN6 to DN100)



PRODUCT DATA SHEET

SS CL150 REDUCING COUPLING / SOCKET

Ref. SW-0157 | Rev. 01

BILL OF MATERIALS

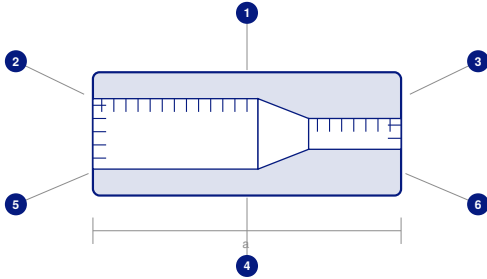


FIG. 2 | SECTIONAL ARRANGEMENT

#	FEATURE	DESCRIPTION
1	Body	Stainless steel, one piece
2	Large female socket	Parallel Rp to ISO 228-1, or NPT
3	Small female socket	Parallel Rp to ISO 228-1, or NPT
4	Internal transition	Tapered shoulder between the two bores
5	Reinforcing band	Raised band at each socket mouth
6	Cast marking	Grade, size and class marked on the body

One piece fitting with no seals or moving parts. Sealing is made on the threads using PTFE tape or an approved thread sealant. The full Class 150 range is stocked in matching sizes.

DIMENSIONS AND WEIGHTS

SIZE 1	SIZE 2	DN 1	DN 2	A (MM)	Z (MM)
1/4"	1/8"	8	6	27	10
3/8"	1/4"	10	8	30	10
1/2"	1/4"	15	8	36	13
1/2"	3/8"	15	10	36	13
3/4"	3/8"	20	10	39	14
3/4"	1/2"	20	15	39	11
1"	1/2"	25	15	45	15
1"	3/4"	25	20	45	13
1.1/4"	3/4"	32	20	50	16
1.1/4"	1"	32	25	50	14
1.1/2"	1"	40	25	55	19
1.1/2"	1.1/4"	40	32	55	17
2"	1"	50	25	65	24
2"	1.1/2"	50	40	65	22
2.1/2"	2"	65	50	74	23
3"	2"	80	50	80	26
3"	2.1/2"	80	65	80	23
4"	3"	100	80	94	28

a = overall length, z = clear distance between the two pipe ends once made up. Reductions are listed as large size by small size. Combinations other than those listed are offered against enquiry. Figures are indicative for cast stainless Class 150 fittings and masses are not published.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0157
Size	1/8" to 4", reducing combinations as listed
Thread	BSPT or NPT, as ordered
Material	Stainless steel, 304 or 316
Order example	SW-0157 / 1" x 3/4" / BSPT / SS316

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

Water and general service	16 bar (232 psi) nominal at ambient
Air and gas	16 bar (232 psi) nominal at ambient
Temperature range	-40°C to +200°C nominal
Service	Non-shock, chloride bearing media acceptable

Pressure and temperature figures are nominal values typical of cast stainless Class 150 threaded fittings. Confirm the rating for the make supplied before use in a rated or certified system.

TYPICAL APPLICATIONS

- Potable and process water systems
- Food, beverage and dairy utility lines
- Marine and coastal installations
- Chemical dosing and washdown pipework
- Instrument and sampling connections
- General corrosion resistant pipework

COMPLIANCE AND QUALITY

- Material stainless steel, 304 or 316 to order
- Taper external threads to ISO 7-1 / BS 21
- NPT threads to ASME B1.20.1 available to order
- Pickled and passivated surface finish
- Air tightness tested before despatch
- Material test certificate EN 10204 3.1 on request
- Suitable for potable water and food contact service

INSTALLATION AND OPERATION

- Clean and de-burr the pipe thread before assembly
- Apply PTFE tape or an approved thread sealant to the male thread only
- Use a dedicated stainless tool set to avoid iron contamination
- Tighten on the fitting body or hexagon, never on the pipe run
- Do not over-tighten, stainless threads gall when they are forced
- Pressure test the joint before covering or insulating the line

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

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.