



STAINLESS STEEL PIPE REPAIR CLAMP RCH-S

Hinged Full Circle Repair Clamp · Stainless Steel SS304 · Rubber Lined

BRAND: SW FLOW CONTROLS

SKU: SW-0087

SIZE 1/2" TO 20"

WP 10 TO 18 KGF/CM²



FIG. 1 | STAINLESS STEEL PIPE REPAIR CLAMP RCH-S, HINGE TYPE

PRODUCT OVERVIEW

The SWBM Stainless Steel Pipe Repair Clamp RCH-S is a full circumference, hinge type clamp that wraps around a damaged pipe section. It seals pin holes, cracks and locally corroded areas without cutting or replacing the pipe.

The SS304 casing carries a rubber lining that gives a leak tight, pressure tight seal around the pipe. The hinge allows the clamp to be opened, fitted around the pipe and closed with one row of bolts. The clamp is detachable and reusable, and suits pipes of various materials.

Product type	Full circle repair clamp, hinge type
Casing material	Stainless steel SS304
Seal	Rubber lining
Bolting	M6 to M18, single row
Working pressure	10 to 18 kgf/cm ² by size
Size range	1/2" to 20" (15A to 500A)

TECHNICAL SPECIFICATION

Design	Hinged, single closure	Casing	Stainless steel SS304
Clamp width L	57 to 155 mm	Seal	Rubber lining
Pipe OD tolerance	±0.3 to ±3.0 mm	Bolt sizes	M6 to M18
Allowable gap	32 to 94 mm	Locking torque	3 to 120 N.m
Coupling OD U	46 to 550 mm	Pipe cutting	Not required
Unit weight	0.20 to 13.6 kg	Reusable	Yes



PRODUCT DATA SHEET

STAINLESS STEEL PIPE REPAIR CLAMP RCH-S

Ref. SW-0087 | Rev. 01

BILL OF MATERIALS

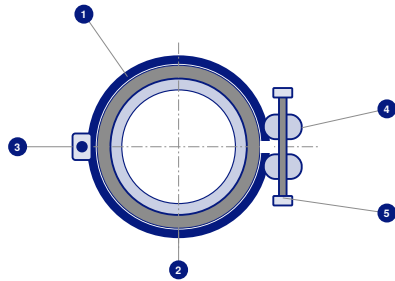


FIG. 2 | END VIEW, SCHEMATIC

#	COMPONENT	MATERIAL
1	Casing (band)	Stainless steel SS304
2	Sealing lining	Rubber
3	Hinge	Stainless steel
4	Closing bars	Stainless steel
5	Bolts and nuts	Stainless steel

Rubber grade (EPDM for water, NBR for hydrocarbons) to be confirmed with the order. Clamps for non standard pipe ODs can be supplied on request.

DIMENSIONS AND WEIGHTS

SIZE	INCH	PIPE OD (MM)	RANGE	BOLT	L	ℓ	U	WP	WT (KG)	TORQUE
15A	1/2"	21.3 / 21.7 / 22.0	±0.3	M6 x 40	57	32	46	18	0.20	3 to 5
20A	3/4"	26.9 / 26.7 / 27.2	±0.5	M6 x 40	57	32	46	18	0.20	3 to 5
25A	1"	33.4 / 33.7 / 34.0	±0.6	M6 x 40	57	32	51	18	0.25	3 to 5
32A	1.1/4"	42.2 / 42.4 / 42.7	±0.6	M8 x 50	57	32	62	18	0.35	4 to 6
40A	1.1/2"	40.9 / 44.5 / 48.3 / 48.6	±1.0	M8 x 50	57	32	66	18	0.35	4 to 6
50A	2"	54.0 / 57.0 / 60.3 / 60.5	±1.0	M10 x 65	80	46	81	16	0.80	8 to 10
65A	2.1/2"	66.7 / 69.0 / 73.0 / 76.3	±1.0	M10 x 65	80	46	100	16	0.86	8 to 10
80A	3"	79.8 / 84.0 / 88.9 / 89.1	±1.5	M12 x 80	107	65	115	14	1.60	20 to 25
90A	3.1/2"	98.0 / 101.6	±1.5	M12 x 80	107	65	144	14	1.70	20 to 25
100A	4"	106.3 / 108.0 / 114.3 / 118.0	±1.5	M12 x 80	107	65	144	14	1.70	20 to 25
125A	5"	129.0 / 133.0 / 139.8 / 141.3	±1.5	M14 x 95	117	71	175	12	2.90	30 to 35
150A	6"	154.0 / 159.0 / 165.2 / 168.3	±1.5	M14 x 95	117	71	196	12	3.30	30 to 35
200A	8"	204.0 / 216.3 / 219.1	±2.0	M16 x 130	155	80	260	10	6.70	40 to 50
250A	10"	254.0 / 267.4 / 273.1	±2.0	M16 x 130	155	80	300	10	7.50	40 to 50
300A	12"	304.0 / 318.5 / 323.9 / 325.0	±2.0	M18 x 140	155	80	350	10	9.00	60 to 80
350A	14"	340.0 / 355.6 / 377.0 / 368.0	±2.0	M18 x 140	155	80	400	10	10.40	60 to 80
400A	16"	406.4 / 414.5 / 419.0 / 429.0	±2.5	M18 x 140	155	94	450	10	11.00	80 to 100
450A	18"	457.2 / 465.3 / 480.0	±2.5	M18 x 150	155	94	500	10	12.80	80 to 100
500A	20"	508.0 / 516.9 / 532.0	±3.0	M18 x 150	155	94	550	10	13.60	100 to 120

All dimensions in mm. Pipe OD = pipe outside diameters covered per size, Range = allowable OD tolerance, L = clamp width, ℓ = allowable shrinkage / expansion clearance, U = clamp outside diameter, WP = working pressure in kgf/cm², Torque = locking torque in N.m. Dimensions and weights are nominal and given for guidance only. Certified drawings are issued on request.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0087
Size	1/2" to 20", state actual pipe OD
Seal	Rubber, EPDM or NBR
Casing	Stainless steel SS304
Order example	SW-0087 / 4" / PIPE OD 114.3 / EPDM

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

15A to 40A	18 kgf/cm ²
50A to 65A	16 kgf/cm ²
80A to 100A	14 kgf/cm ²
125A to 150A	12 kgf/cm ²
200A to 500A	10 kgf/cm ²

Working pressures as stated by the manufacturer. 1 kgf/cm² is approximately 0.98 bar. The temperature limit is governed by the rubber lining grade. Confirm duty with SWBM before use on gas or hydrocarbon service.

TYPICAL APPLICATIONS

- Water pipelines
- Gas lines
- Repair of pin holes, cracks and corroded sections
- General industrial pipe repair and maintenance
- Emergency repair without line shutdown

COMPLIANCE AND QUALITY

- Stainless steel SS304 casing
- Full circumference rubber lining
- Hinge design for fitting without dismantling the line
- Pipe OD specific versions available for all sizes
- Detachable and reusable
- Locking torque specified per size

INSTALLATION AND OPERATION

- Clean the pipe surface over the full clamp width
- Measure the pipe OD and select the matching clamp
- Open the hinge, place the clamp around the pipe and centre it over the damage
- Close the clamp and insert the bolts
- Tighten the bolts evenly to the locking torque in the table
- Pressurise slowly and check for leaks

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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