

CONCORD

ALL STAINLESS STEEL PIPE REPAIR CLAMPS

CLOW

CLOW CANADA

ALL STAINLESS STEEL REPAIR CLAMP DESIGN FEATURES

When unexpected pipe damage calls for an immediate solution, turn to the extensive line of Concord All-Stainless Repair Clamps. With no loose parts or special tools to contend with, the Concord Repair Clamp is the logical choice for quick, easy and economical one-man installations.

The Concord Repair Clamp is constructed of premium grade, corrosion resistant, type 304 stainless steel. Using the heaviest possible gauge, the Clamp allows optimum flexibility and provides uniform pressure over the entire damaged pipe section.

Concord Repair Clamps can be used in all situations on virtually all kinds of pipe ranging in size from 2" to 24", with special sizes available on request, to any diameter.

FEATURES

Lifter Bar — The Concord Lifter bar provides a dependable, tight seal by equalizing the pressure over the entire length of the Clamp. This special design actually locks the lugs in place allowing quicker tightening with less effort.

GASKET

The Repair Clamp gasket forms evenly to the rough sedimented surface of active pipe. It's tapered, waffled and overlapping design actually moulds to the pipe providing a totally encircled seal. When the Clamp is completely tightened, the gasket will expand slightly beyond the edge of the stainless steel shell, providing added protection against galvanic corrosion.

WELDS

Both MIG and TIG stainless steel

weldments used in the Concord Repair Clamp are fully protected against corrosion by an improved non-chemical passivation process.

ELECTRICAL CONDUCTIVITY PLATES

Copper conductivity plates to permit electrical thawing of frozen pipelines are available with all Concord Repair Clamps. Please specify if conductivity plates are required.

HEAVY DUTY CONSTRUCTION

The clamps sturdy construction makes it a logical choice even for complete circumferential pipe breaks. Simply specify the diameter and type of pipe effected. When pipe misalignment occurs, a longer clamp is recommended, to ensure positive seal.

TAPPED OUTLETS

The Concord Repair Clamp is also available with stainless steel tapped outlets with iron pipe (I.P.) or AWWA (C.C.) thread sizes (3/4 - 1 - 1-1/4 - 1-1/2 - 2 inch).

DOUBLE LUG DESIGN

The exclusive Concord double lug design offers a unique feature not available in other clamps. The solid lug/lifter bar allows the Clamp to "hinge" open rather than completely separate like other double lug models. This gives the Concord Clamp twice the range of the conventional single lug clamp, while still allowing convenient, one-man installation. This means one Clamp will fit every O.D. in it's size range, making it the most versatile Repair Clamp on the market today.

MATERIAL SPECIFICATIONS

Shell

Type 304 stainless steel

Lugs/Sidebars

Type 304 stainless steel

Lifter Bar

Type 304 stainless steel

Bridge Plate

Type 304 stainless steel

Stud Bolts

Type 304 stainless steel
5/8 - 11 x 7 with 4" rolled thread
c/w chamfered ends

Bolt Lubricant

Coated with molybdenum disulfide
MOS to prevent galling.

Nuts

Type 304 18-8 stainless steel
5/8 x 11 (oversized 1/64" to ensure
anti-galling)

Gaskets

SBR (Buna-N)

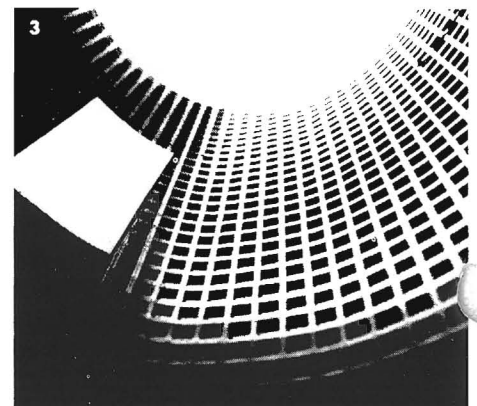
Ozone resistant CPD 6053

Durometer hardness 50 +5-0

Temp. range -20°F +150°F.

Adhesive

Polycol #400



SINGLE LUG PATTERN SERIES 100

CAPACITY RANGE: 0.25''

NOMINAL PIPE SIZE	CLAMP RANGE MIN. - MAX.	APPROX. WEIGHT X 3" LENGTH
2" 2 1/2"	2.38 - 2.63 2.75 - 3.00	1.25 Lb
3"	3.00 - 3.25 3.45 - 3.70	1.5 Lb
3 1/2"	3.75 - 4.00 3.95 - 4.20	1.75 Lb

LENGTHS	6"	9"	12"	15"	18"	21"	24"	27"
BOLT QTY.	2	3	4	5	6	7	8	9
BOLT SIZE	3/8" x 4 1/2"							

CAPACITY RANGE: 0.40''

NOMINAL PIPE SIZE	CLAMP RANGE MIN. - MAX.	APPROX. WEIGHT X 4" LENGTH
4"	4.40 - 4.80 4.75 - 5.15 5.05 - 5.45	4.5 Lb
6"	6.55 - 6.95 6.85 - 7.25 7.10 - 7.50	5 Lb
8"	8.55 - 8.95 9.00 - 9.40 9.35 - 9.75	5.5 Lb
10"	10.65 - 11.05 11.05 - 11.45 11.90 - 12.30	6 Lb
12"	12.60 - 13.00 13.15 - 13.55 13.60 - 14.00 14.00 - 14.40	7 Lb

LENGTHS	8"	12"	16"	20"	24"	28"
STUD QTY.	2	3	4	5	6	7
STUD SIZE	5/8" x 7"					

WITHIN THE CAPACITY RANGE OF EACH SERIES,
CLAMPS CAN BE PROVIDED FOR ANY PIPE DIAMETER
ON REQUEST.

DOUBLE LUG PATTERN SERIES 200

CAPACITY RANGE: 0.80''

NOMINAL PIPE SIZE	CLAMP RANGE MIN. - MAX.	APPROX. WEIGHT X 4" LENGTH
4"	4.75 - 5.55	7 Lb
6"	6.85 - 7.65	7.5 Lb
8"	9.00 - 9.80	8.5 Lb
10"	11.05 - 11.85 11.75 - 12.55	9.5 Lb
12"	13.15 - 13.95 13.90 - 14.70	10 Lb
14"	15.00 - 15.80 15.80 - 16.60	10.5 Lb

LENGTHS	8"	12"	16"	20"	24"	28"
STUD QTY.	4	6	8	10	12	14
STUD SIZE	5/8" x 7"					

TRIPLE LUG PATTERN SERIES 300

CAPACITY RANGE: 1.20''

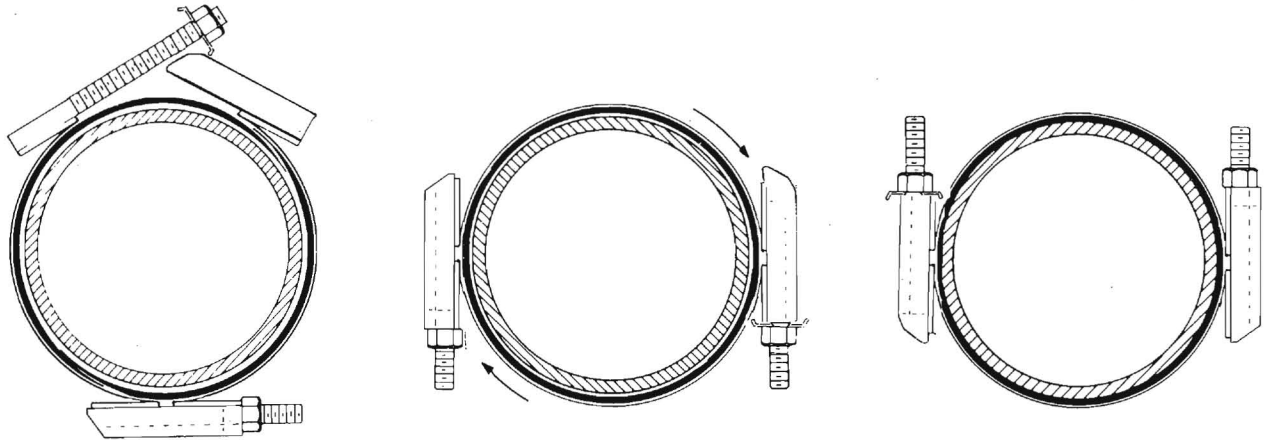
NOMINAL PIPE SIZE	CLAMP RANGE MIN. - MAX.	APPROX. WEIGHT X 4" LENGTH
16"	16.60 - 17.80 18.00 - 19.20	12 Lb
18"	19.20 - 20.40 20.40 - 21.60	12.5 Lb

FOUR LUG PATTERN SERIES 400

CAPACITY RANGE: 1.60''

NOMINAL PIPE SIZE	CLAMP RANGE MIN. - MAX.	APPROX. WEIGHT X 4" LENGTH
20"	21.60 - 23.20 23.00 - 24.60	15 Lb
24"	24.60 - 26.20 26.20 - 27.80	17 Lb

Easy installation with Concord's all stainless steel repair clamp



Concord clamps are completely preassembled. The "open finger" design provides easy handling and allows:

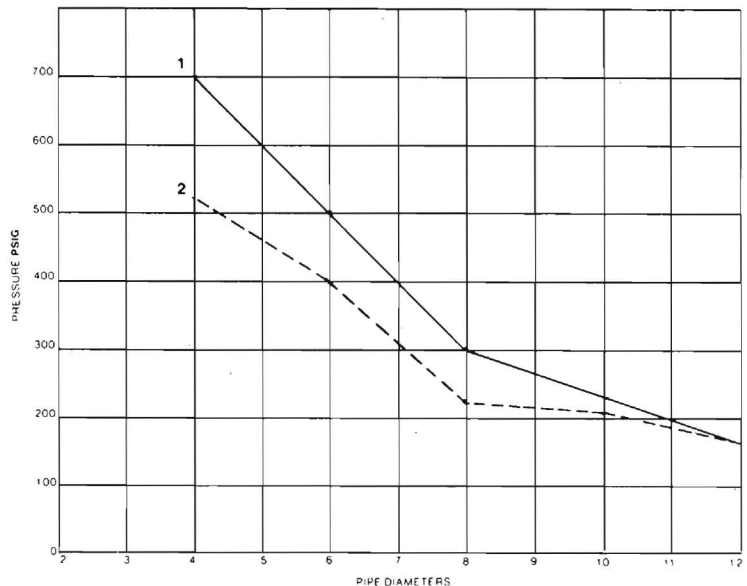
- 1 — Lifting and disengaging of lifter bar without removing the nuts.
- 2 — Fast positioning on the pipe.
- 3 — Reengaging lifter bar.

Then rotate clamp half a turn in the direction indicated by arrow and finally, starting from center, tighten nuts alternately and gradually.

Hydrostatic test pressures

Test: two section of cast iron pipe 4" to 12" diameter, gap of 1/8" between pipes.
Torque: 80 and 120 foot/pound
Series 100 and 200 clamps used, 8" and 12" long.

- 1 - Double lug, pressure maintained for 24 hours.
- 2 - Single lug, pressure maintained for 24 hours.



FOR POSITIVE REPAIR, CLAMP LENGTH SHOULD EQUAL OR EXCEED THE PIPE DIAMETER.

When ordering

Remember that, indicating clamp number when ordering will eliminate errors and speed up shipment.

- First digit of "Series" number indicates lug quantity
- Two following digits of "Series" number determine length of clamp.
- Last digits indicate maximum range of clamp.

Therefore, a double lug clamp, 12" long for a 6" diameter pipe will become number 212-765.

A single lug clamp 8" long for 8" asbestos cement pipe will become number 108-975.

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