

General: The Metraflex Riser Anchor Clamp is designed to anchor a pipe passing through a core drilled floor penetration in a riser.

Application

1. The Riser Anchor Clamp (RAC) is designed to be installed on risers and to have the smallest footprint possible and to anchor the pipe without the need for welding.
2. The Riser Anchor Clamp consists of a ductile Iron body, with case hardened carbon steel teeth and clamping nuts and bolts.
3. Riser Anchor Clamp is suitable for use on standard weight (sch 40) carbon steel, extra strong (sch 80) carbon steel and Sch 40 S or Sch 80 S stainless steel.

Installation

1. Inspect the Riser Anchor Clamp for shipping damage or missing parts.
2. The Riser Anchor Clamp shall be located as indicated on contract drawings. Consult Structural Engineer to confirm the suitability of anchor points.
3. With the Riser Anchor Clamp in direct contact with the floor slab, tighten the bolts supplied to the bolt torque indicated on the body to clamp Riser Anchor Clamp around the pipe.



4. To restrain downward loads, install a single Riser Anchor Clamp on top of the slab.
5. To restrain both downward and upward loads, a Riser Anchor Clamp needs to be installed on the top and bottom of the floor slab as shown below.

6. Maximum pipe opening in floor.

To ensure that there is enough contact between the floor slab and the body of the Riser Anchor Clamp (RAC) the maximum allowable floor opening is indicated below.

<u>RAC Dia.</u>	<u>Maximum floor opening dia.</u>
2"	4"
2.5"	4.5"
3"	5.5"
4"	6.5"
5"	8.5"
6"	10.5"
8"	12.5"



If floor opening exceeds maximum allowable, plate steel can be used to provide a sufficient mounting area for the Riser Anchor Clamp. Consult Structural Engineer to confirm suitability.

7. The maximum allowable load per Riser Anchor clamp is indicated below.

2"	7,500 lbs.
2.5"	9,000 lbs.
3"	10,000 lbs.
4"	20,000 lbs.
5"	25,000 lbs.
6"	30,000 lbs.
8"	50,000 lbs.

Precautions:

1. Torque bolts to factory specified requirements found stamped on the body.
2. Do not install RAC on pipe under SCH 40 / standard weight.
3. Only intended for use on Stainless Steel and Carbon Steel pipe.

Maintenance:

1. Riser Anchor Clamps have no serviceable parts and do not require maintenance.
2. Periodic inspection damage or wear of components is recommended.

Contact Metraflex or your local Metraflex Representative with any questions.