

# Manual Come-Along Kit

For Bonded Pipe and Fittings



## Manual Come-Along Kit components:

- Two (2) strap clamp kits
- Two (2) ratchet cable come-alongs

## Strap Clamp Kit components:

- Two (2) straps with ratchets
- Four (4) D-ring straps

## Instructions

1. Place the two D-ring straps on to the main strap as shown in Figure 1.



Figure 1

2. Place straps around the pipe and fitting to be joined.
3. Protect the pipe from contact with the metal ratchet of the clamp by inserting rubber under the ratchet shown in Figure 2.



Figure 2

4. On the fitting, place strap clamp near the center of the fitting to provide a maximum amount of pulling space as shown in Figure 3.
5. Tighten strap clamps around the pipe and fitting using the ratchet lever.
6. Prepare joints for bonding according to instructions in the appropriate installation manual.



Figure 3

7. Joint assembly - Attach manual come-alongs to the D-rings as shown in Figure 4.



Figure 4

8. Tighten both come-alongs at the same time to keep the pipe aligned with the fitting while pulling the joint together as shown in Figure 5. Cocking the joint during this step is unacceptable.



Figure 5

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