

## WORLD BOTTOM LOADER | E2304



- ☞ reliable and well proven components:
- ☞ EMCO D2000 World Series swivel joints
- ☞ EMCO spring cylinder
- ☞ robust composite rubber hose or Stainless steel braded hose
- ☞ EMCO API dry break coupler
- ☞ safe working
- ☞ easy operation
- ☞ drip-free
- ☞ welded construction

This type of loading arm is especially designed for the bottom loading/unloading of road or rail tankers with all type of fuels. Tanker side connection is achieved with a 4" API coupler. The loading arm dimensions are designed to allow for covering of the complete API connection area, envelope.

A bottom loading station can consist out of up to 5 product arms. The design allows unrestricted cross over of all arms. A separate loading arm for vapour recovery completes the installation.

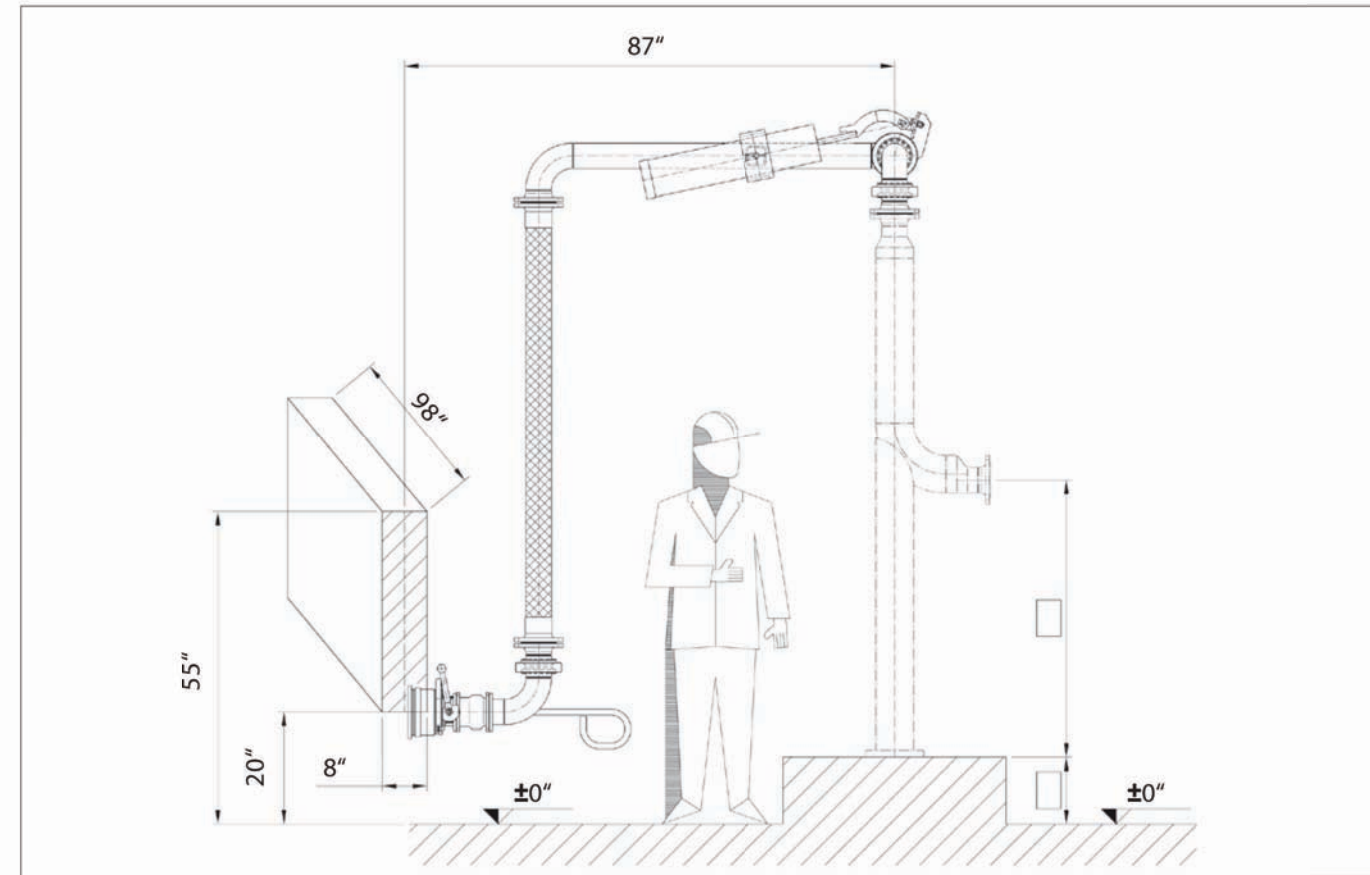


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# E2304

### Dimensions and technical data



### Materials of the carrying parts / technical data

Inlet flange up hose	Carbon steel
Hose	Rubber, alternative Stainless steel
Elbow-swivel-assembly	Aluminum
Seal	Viton / Buna / low temp.
Design pressure	depending on the coupler (300 psi up to shut off valve)
Design temperature	14 °F to +176 °F
Balancing method	spring cylinder



EMCO WHEATON carbon steel swivel joint with flame hardened ball race way for a long life time!  
For more details see our data sheet swivel joint D2000.

### For the API dry break coupler you have different options:

- ☞ J0451 (75 psi), safety interlock feature
- ☞ K2 & K2P (300 psi), zero spillage by pumping mechanism on K2P

### Accessories

- ☞ standpost
- ☞ spool piece
- ☞ postion stops
- ☞ vapour arm

Better by Design

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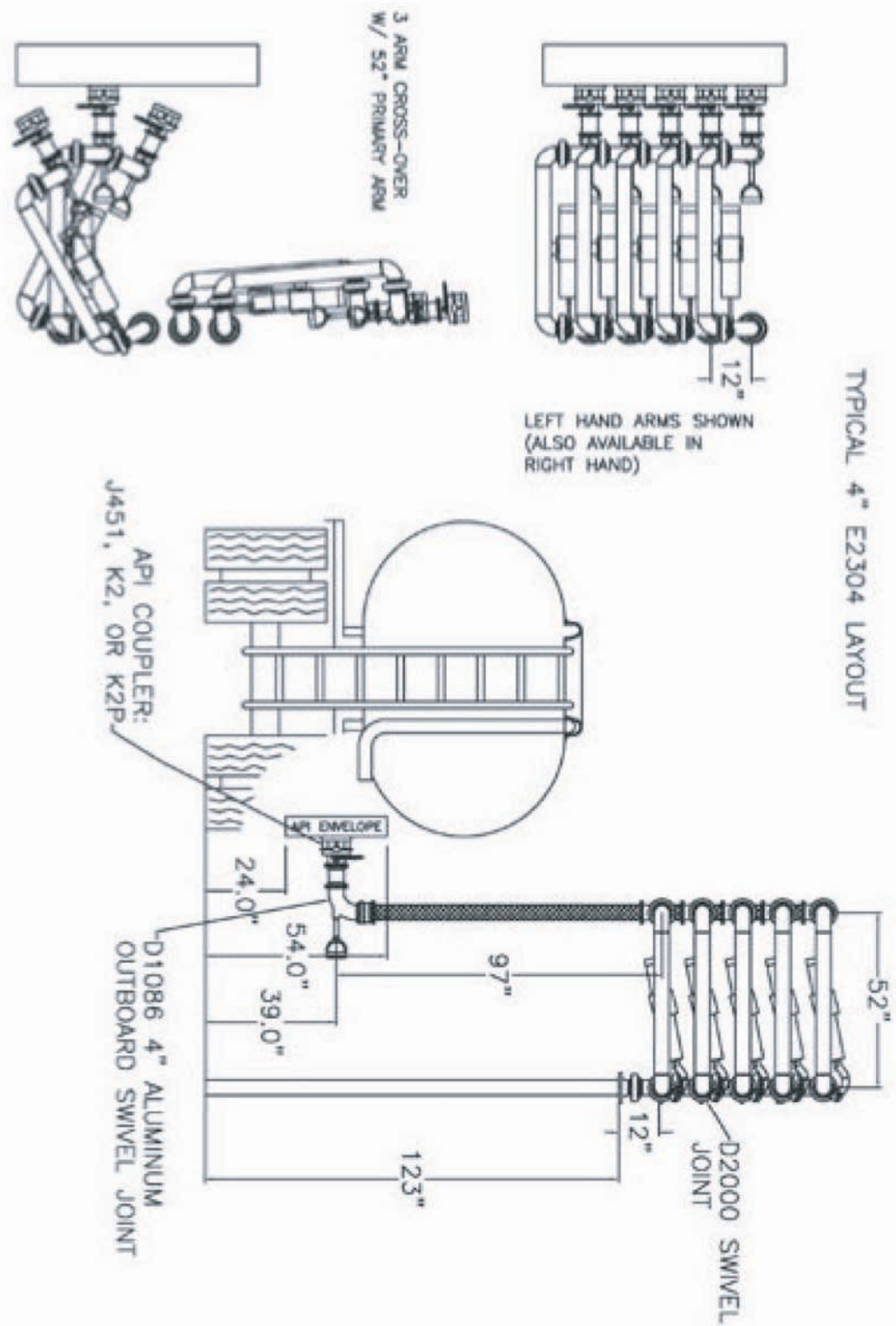
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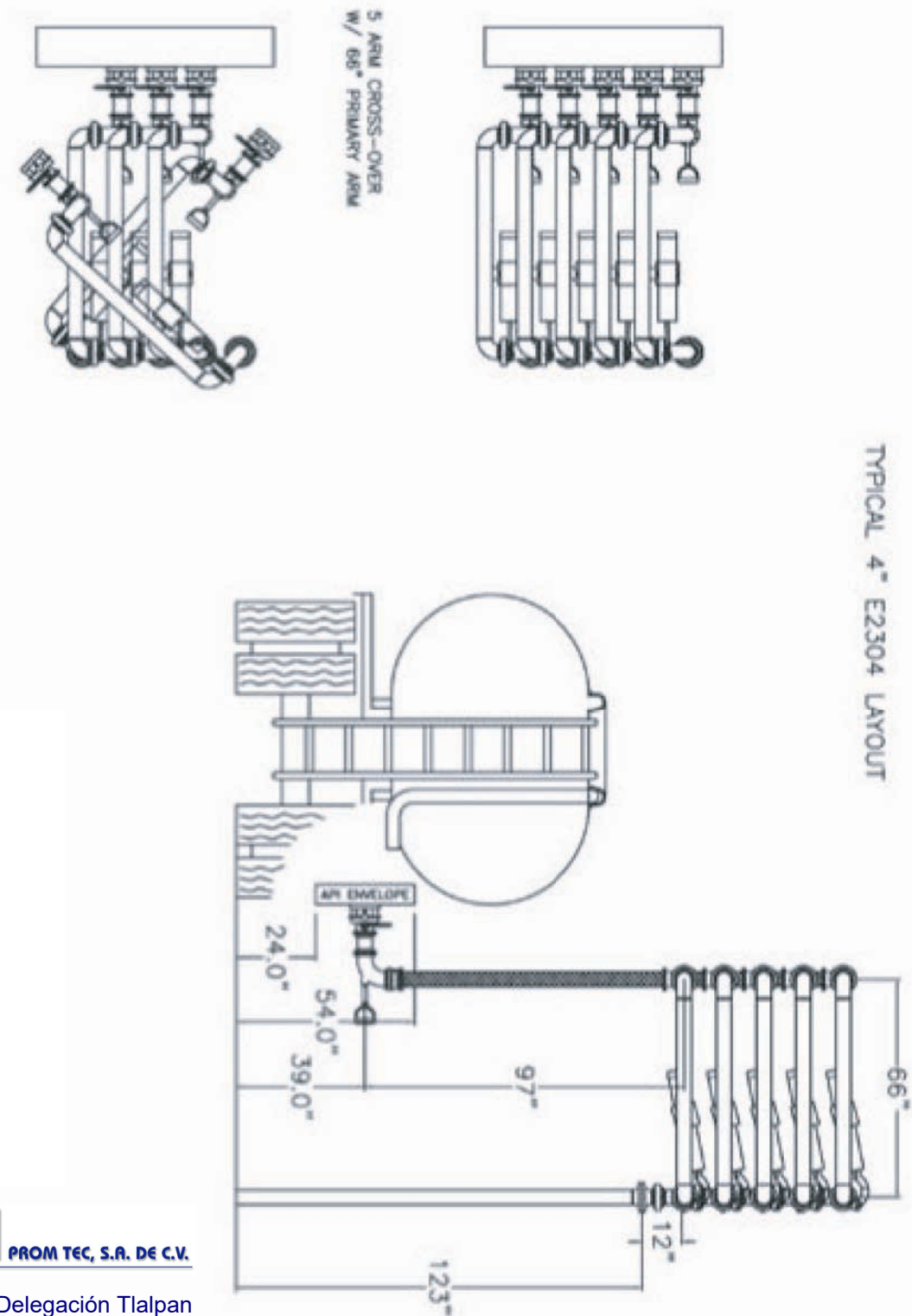
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### 3 arm cross-over



### 5 arm cross-over



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