

#### **Application:**

# **Bolted flange connection of a chemical hose**



#### Bolting process for this application:

In general, 4",6", 8" and 10" flanges are used: For Ethane(C2H6)

8": M24 bolts (nuts 36MM) – final torque 430Nm 10": M27 bolts (nuts 41MM) – final torque 430Nm

For Methyl Etylene(C3H6)

4": M24 bolts (nuts 36MM) – final torque 270Nm 6": M27 bolts (nuts 41MM) – final torque 270Nm

Depending on the chemical being discharged ATEX tools can be specified.

#### RAD solution and USP's:

- B-RAD or pneumatic torque wrench
- · Much faster and accurate
- Effortless and comfortable
- · No noise and vibrations
- · Very easy to use

#### The conventional methods and drawbacks:

- Hydraulic torque wrenches: extremely slow and cumbersome
- Manual torque wrenches: slow, hard physical work

#### Specification of RAD tools and accessoiries:

- B-RAD SELECT 1400 (PN: 28266) or RAD 10 GX-M (PN: 13539) (also available in ATEX version)
- Offset gearbox (PN: 14920)
- Custom reaction arm with non-sparking sleeve (PN: Q15442)
- Square drive <sup>3</sup>/<sub>4</sub>" (PN: 14927) (for offset gearbox PN: 14920)
- SOCKET SK-12P .938-12P.75M-3.250 (PN: 14896)
- SOCKET SK-12P 1.063-12P.75M-3.250 (PN: 14926)
- SOCKET SK-12P 1.125-12P.75M-3.250 (PN: 27136)

### Examples of manufacturers:

Trelleborg, MEIJIFLEX, JGB.

#### Target customers:

Independent tank terminals, mining, transfer of chemicals.

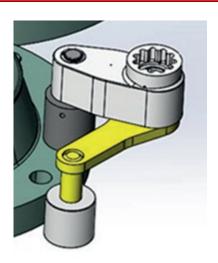


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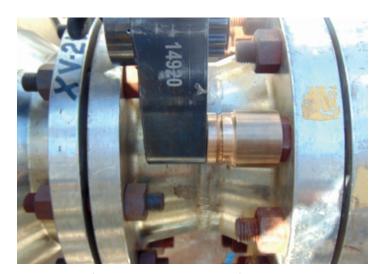
# **Bolted flange connection of a chemical hose**



Ships with chemicals on board.



Reaction arm PN: Q15442 in yellow (must be ordered with offset gearbox PN: 14920).



The 14920 offset gearbox between two flanges. A standard RAD tool would not fit.



The flanged hoses are visible on the photo above.

