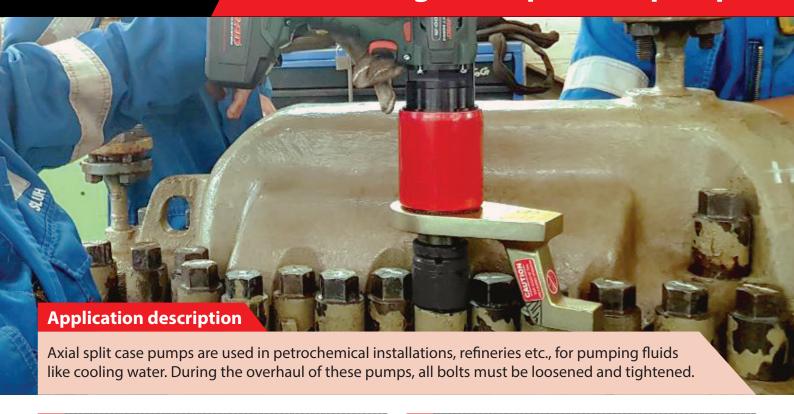


Application:

Overhauling axial split case pump



Bolting process for this application:

After the overhaul was completed the 46MM bolts had to be tightened crosswise in three stages:

- Pass 1: 2.200 Nm

- Pass 2: 2.850 Nm

- Pass 3: 3.600 Nm

The old methods:

- Hydraulic torque wrenches: expensive and slow
- Impact wrenches: cheap and fast but inaccurate, noise, vibrations

RAD solution and USP's:

Use a B-RAD 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: expensive and extremely slow
- Manual torque wrenches: very slow, hard work for the operator
- Impact wrenches:
 Very loud and inaccurate

Specification of RAD tools and accessoiries:

- B-RAD SELECT 4000 (PN: 28270), or B-RAD SELECT 7000 (PN: 28272)
- Sliding reaction arm (PN: 25987) for B-RAD SELECT 4000
- Special reaction arms
- Double safety button (PN: 25949)

Examples of manufacturers:

Sulzer, Andritz, Neptuno, Ruhrpumpen, SPP, KSB, SAM, Flowserve, Grundfos.



Target customers:

Petrochemical installations, refineries.



Application: Overhauling axial split case pump



An axial split case pump



How it used to be done: service with a pneumatic impact wrench.



How it should be done: B-RAD SELECT BL 4000 or 7000.