



### Application description

Loosening and tightening wheel nut bolts on the Komatsu 930E mining truck.

#### Bolting process for this application:

When the wheels on these machines need to come off, for example when tires need to be replaced, dozens of bolts must be loosened and fastened. Torques of over 3.000 Nm may be required to loosen some bolts.

#### RAD solution and USP's:

The 930E RAD 46GX SYSTEM:  
This kit was developed exclusively for the Komatsu 930E. The extension shafts in 2 lengths allow safe access to the wheel configurations found on this model.

#### Examples of manufacturers:

Komatsu.

#### The conventional methods and drawbacks:

Hydraulic torque wrenches: slow and cumbersome. Impact wrenches: noisy and lots of vibrations, inaccurate.

#### Specification of RAD tools and accessoires:

- RAD 46GX (PN: 13571):  
1.400 – 4.600 Nm, 12 rpm
- 4 point reaction arm (PN: 11414)
- 724 mm spline shaft  
(PN: 11146 (rear wheels))
- 216 mm spline shaft  
(PN: 11154 (front wheels))
- 48 mm spline socket (PN: 11156)

#### Target customers:

Mining, ore transfer, anywhere where these machines are used.



*Komatsu 930E mining truck.*



*On 930E rear wheel.*



*The kit in action on 930E front wheel.*