

Patent application
2016-161212

Automatic Bolt Tensioner

Model :TBA-230N

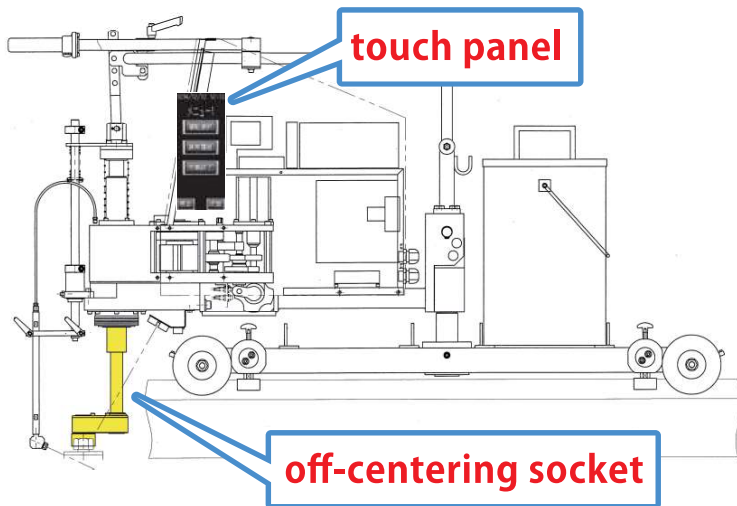


● Automatically fasten-loosen the bolts
with off-centering socket to avoid the obstruction

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Specifications



Specifications of TBA-230N		
Socket head	swing type	
High speed	Max rotating speed	60 rpm
	Torque	230 Nm
Low speed	Max rotating speed	27 rpm
	Torque	400 Nm
Torque sensor	magnetostriction type	
Max saving datas	6000 datas	
Max saving groups	70 groups	
Dimensions	Body	950x500x850 mm
	Cart frame	1140x1680x250 mm
Weights	Body	53 kg
	Cart frame	11 kg
	Lubrication pump unit	16 kg

Running with three-wheels

Off-centering socket can be avoided the guard for derailment prevention



By off-centering the axis of socket, it is possible to avoid obstacles (guard for derailment prevention) and perform fasten-loosen the bolts, also to supply lubricating oil without moving or restoring the guard.

Fastening and loosening the bolts, and lubricating oil by automatic control



By adjusting the time for fasten-loosen the bolts and quantity of lubricating oil supply arbitrarily, it is possible to automatically control for the continuous operation.

By using touch panel system, it is possible to check information of the number of times for fasten-loosen the bolts, acceptance decision of tightening torque value and etc.

Additionally, it is easy to design the screen information of touch panel.

Advantage

- **Improvement for work efficiency : Reduction of working time and personnel by mechanization**
- **Improvement for safety work : Process reduction by eliminating the obstacle moving**

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