

TURNKEY® RHINO pins Installation and Removal

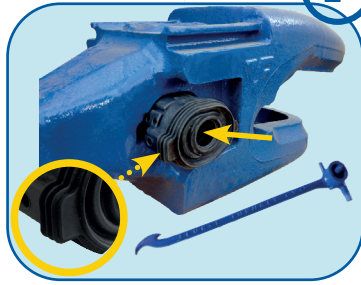
Assembly instructions



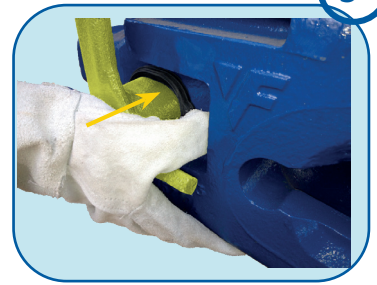
Equipment : The use of the TK13OD tool is recommended for turnkey teeth assembly/disassembly. Always work safely and wear your safety equipment (hard hat, steel-toed shoes, gloves, safety glasses). Keep bystanders away.



Cleaning : Tilt the bucket 30° upwards. Before inserting turnkey sleeve in its housing, we recommend to clean the adapter sleeve housing as well as the adapter nose to make sure the sleeve will be correctly positioned into the sleeve housing.



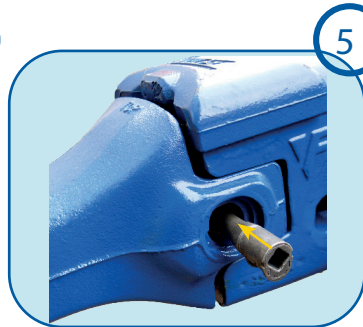
Sleeve insertion : Manually insert the sleeve. You will notice on the sleeve & the adapters some notches to make sure to respect the sleeve insertion direction. We now advise you to grab TK13OD® tool to proceed for installation.



Sleeve insertion (2): We advise to use the TK13OD® to fully push the sleeve into its housing.



Tooth assembly : Firstly install Turnkey® wear cap on top of the adapter, then install the tooth on the adapter.



Pin insertion : Once the teeth is correctly installed on the adapter, insert TK13CL® pin into the key hole while respecting the insertion direction (pin head down), then push it to the end. The pin as well as the sleeve have mechanical codings to avoid any incorrect insertion.



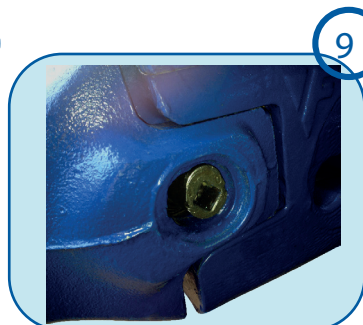
Pin insertion (2): Before pin clamping, the pin should be in "head down" position.



Pin clamping : Once the pin has been correctly installed, take TK13 OD® tool to screw the pin. Make sure to push the pin into the sleeve with the tool before screwing and then make a 180° counterclockwise pin turn.



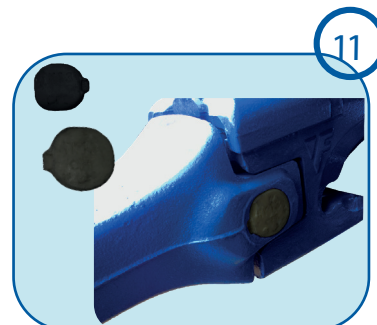
Correct positioning : Pin is correctly installed when you hear a "clac" sound informing of correct pin lockings.



Correct locking : After the "clac" sound, the pin will be locked as shown. The pin rotation is fully completed, the pin cannot be turned any further.



Correct locking (2): Once the pin has been correctly installed and locked, the pin should be in "head on top" position.



Protective caps installation : On both teeth sides, insert the protective caps to avoid fines to fill up the pin hole. (Left cap is TK13CPL and right cap is TK13CPR). These protective caps will allow you to decrease teeth replacement time.

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Disassembly instructions



Equipment : The use of the tool is recommended for TURNKEY® RHINO teeth disassembly. Always work safely and wear your safety equipment (hard hat, steel-toed shoes, gloves, safety glasses). Keep bystanders away.



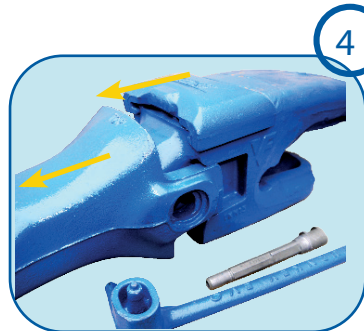
Protective caps removal : Remove both Left/right protective caps thanks to TK13 OD® tool. If there is no cap, remove fines from pin head hole to make sure the TK13 OD® tool will correctly fit into the pin head hole.



Pin unlocking : Once TK13OD® tool is inserted into the pin, unlock the pin with a 180° clockwise turn. You will hear a “clac” sound confirming the pin was successfully unlocked.



Pin removal : Using TK13OD® tool, remove the pin from the teeth/sleeve. You can also remove the pin manually.



Teeth removal : Once the pin is removed, you can easily remove teeth & adapter wear cap.



Sleeve removal : To remove the sleeve, use TK13OD® flat side and manually push the sleeve from adapter left side.



Sleeve removal (2) : Once the plug is partially removed, you can complete removal manually.



Cleaning : Clean up the adapter nose, sleeve housing and wear cap dovetail guidance. We advise to use a new pin and a new sleeve for next teeth installation.

