

FLASH WELD TOOL JOINTS



The company manufactures and sells GOST 27834 weld tool joints for drill pipes as per GOST R 50278 and also manufactures weld tool joints with threaded connections for drill pipes produced by HILONG Solution.

High-alloy steels of domestic production, heat treated and with improved mechanical properties of steels are used for manufacturing weld tool joints.

The threaded profiles of tool joints are subjected to the process operation of “cold galvanizing” to reduce the coefficient of friction and heat between the tool-joint threads, and eliminate the effect of “cold welding” and thread pitting when make-up and breakout during the operation of drill pipe.

Advantages

- Coating of threaded parts of the tool joint—cold galvanized.
- Quality control of metal and threaded parts of the tool joint: ultrasonic flaw detection (UT)—control, magnetic particle inspection of the thread profile of tool joints (MPI)—control.



Technical features

Tool joint steel	30KhGSA steel
Hardness of the tool joint body	HB 300...335
Length of the tool joint pin, in.	11.81
Length of the tool joint box, in.	12.99
Diameter of welded tool joint, in.	5.32 to upsetting of the pipe body
Tool joint outside diameter, in.	6.38
Tool joint inside diameter	3.74
Wrench length of the tool joint box, in.	10.04
Wrench length of the tool joint pin, in.	7.09
Tool-joint thread	HL 50 (Z-133)
Tensile strength of the tool joint metal, ksi	142.3
Yield strength of tool joint metal, ksi, not less	120.7