

Technical proposal No.
 Liner hanger PH-245R1-01

The liner hanger (Fig. 1) is designed for lowering the "liners" (secret columns) of casing pipes $\text{Ø} 245$ mm and their cementing during the construction of oil and gas wells. Figure 2 shows the fitting of the male hub into the disconnecter case after cementing.

Technical characteristics:

Working pressure, max., MPa (Atm.)	15 (150);
Device working pressure after cementing, max., MPa (Atm.)	35 (350);
Cargo capacity, max.	150 tons;
Working temperature, max.	-
40 °C;	+160 °C;
Pressure of the discharge plug pin cut:	40-50 Atm.;
Pressure of the cut of pins of the plug for opening the "windows":	60-80 Atm.;
Coupling dimensions:	
top, coupling – tool-joint thread 3-133 GOST 28487-90	
bottom, nipple – thread buttress $\text{Ø} 245$ GOST P 51906-2009	
Dimensions, mm, max.:	- $\text{Ø} 270 \times 2010$
Weight, kg, max.	500

Materials:

Steel 40X GOST 4543-71;
 Aluminum alloy D16;
 High-temperature rubber PK1802
 B and B internal cavities are filled with the lubricant TOMFLON SCM 200 (0...+200⁰ C) (TS 0254-012-76643964-05).

Completeness:

1) Liner hanger pcs.	1
2) Male hub, pcs.	1
3) Ball $\text{Ø} 66,67$ GOST 3722-81	1
4) Discharge plug , pcs.	1
5) PH-245R1 Operating instructions, copy	1

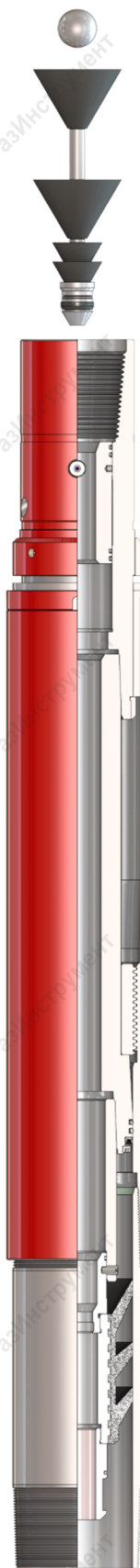


Fig. 1



Fig. 2