ЗАВОД НГО

# OIL AND GAS EQUIPMENT PLANT LLC

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## About us

Oil and gas equipment plant LLC is a full cycle engineering company. We provide services in oil and gas equipment design, manufacture and supply.

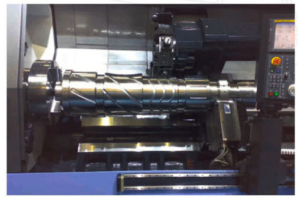
All products are manufactured according to the national and technical standards, which guarantees its high quality and reliability, confirmed by certificates of conformity.

In addition to own serial production of industrial equipment, we render services in production of parts, units, spare parts, and nonstandard equipment according to customer drawings.

The technical solutions we develop, in most cases, result from joint activities by the customer and our technical personnel. Based on the customer needs, we render services in:

- manufacturing of foundry/custom tooling, etc.;
- manufacturing of body parts castings made from cast iron, carbon and alloy steels (including stainless corrosion-resistant steel);
- manufacturing of forgings;
- manufacturing of body parts, rotary parts, high-precision parts;
- machining of parts in small and medium series;
- parts heat treatment;
- development and manufacturing of test benches.

Our specialists perform a comprehensive range of activities at all stages, from designing and equipment selection to startup/commissioning and after-sales service.



## Stabilizers and centralizers

**Spiral-blade stabilizer (modification: collar-collar) and straight-blade stabilizer are used for borehole expansion and calibration according to the bore bit diameter at drilling in soft, intermediate, hard low abrasive and abrasive rock.**

**Spiral-blade stabilizer (modification: collar-pin) and straight-blade stabilizer are used for string walls calibration to the nominal diameter in case the rock destruction tool is worn, as well as for centering the rock destruction tool and improving its working conditions at drilling in soft, intermediate, hard low abrasive and abrasive rock.**

**Our enterprise produces centralizers with the full thread sizes from 98.4 mm to 660.6 mm, 2500 mm in length, and with the screw according to the customer requirements.**

**Centralizer modifications:**

- **integral blade construction (the body and blades are a solid unit);**
- **welded construction (the blades are welded to the body).**

Spiral-blade stabilizer

Straight-blade stabilizer

## Drill stem subs

Drill stem subs are used for connecting parts of drill stems and joining the drilling tools with tool-joint threads of any type or size to a drill stem during well drilling.

Drill stem subs are manufactured in all sizes as per API Spec Q1, ISO 3100, IEC/ISO 31010/GOST 7360-82.

Types of drilling stem subs:
– bottle neck, box-pin;
– box, box-box;
– pin-type, pin-pin.

Drill tubing pipe subs are used to connect tubing pipes of different diameters as well as underground equipment for oil and gas well operation with threaded tubing connector ends.

Drill tubing pipe subs are manufactured in all sizes as per API Spec Q1, ISO 3100, IEC/ISO 31010/GOST 23979-80.

## Slurry traps

Slurry traps are used for trapping debris of destroyed metal objects, separate fragments of rock destruction tools (drilling bits, milling cutters, etc.), slug particles, metal and hard-alloy metal scrap from the well bottom when drilling.

A slurry trap consists of a body with right and left female connection threads (different connection thread modifications are available) and a single male mounting thread for trap (basket) connection.

The following types of slurry traps are produced according to the basket length:

- short (standard basket depth — 250/260 mm) — to be combined with a drilling bit;
- medium (standard basket depth — 500/600 mm);
- long (750/800 mm) — to be combined with a milling cutter.

Based on the connection thread hand, right-hand and left-hand trap modifications are available.

# Taper taps

**Fishing taps are used for capturing and subsequent extraction of the drilling string by screwing in a smooth internal surface of the tubing string, in oil, gas, and exploration wells.**

**Multi-operated taper taps are used for capturing the drilling string left in the well and subsequent extraction by screwing into the body of heavy-weight elements of the string.**

**Special locking taper taps are used for capturing the drilling string and subsequent extraction by screwing into the locking connections.**

**Special on-stream taper taps are used to capture tubing strings and subsequent extraction by screwing into the end collar thread.**

**Right-hand and left-hand taper tap modifications are available.**

**When ordering taper taps, indicate:**
**- OD;**
**- maximum fishing thread diameter;**
**- length;**
**- connection: right-hand/left-hand.**

## Die Collars

**Die collars are used for capturing and subsequent extraction of drill strings or tubing strings left in the well by threading cutting on the outer surface of the pipe.**

**When ordering die collars, indicate:**
**- OD;**
**- maximum fishing thread diameter;**
**- length;**
**- connection: right-hand/left-hand.**

# Tubing catchers

**Tubing catchers are used to capture and extract, in full or in pieces, emergency tubing strings, drill strings, or well casing during fishing operations.**

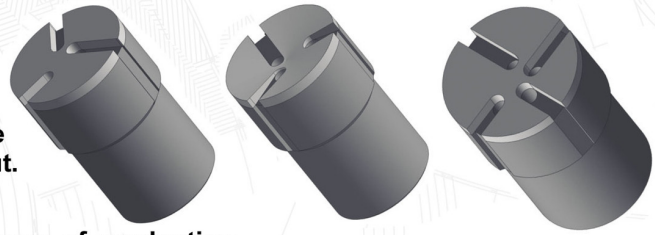
**Tubing catchers fall into 2 groups based on the capturing method:**

- **inner (capturing by the inner side);**
- **outer (capturing by the outer side of the pipe or collar).**

**Left-hand and right-hand modifications are available.**

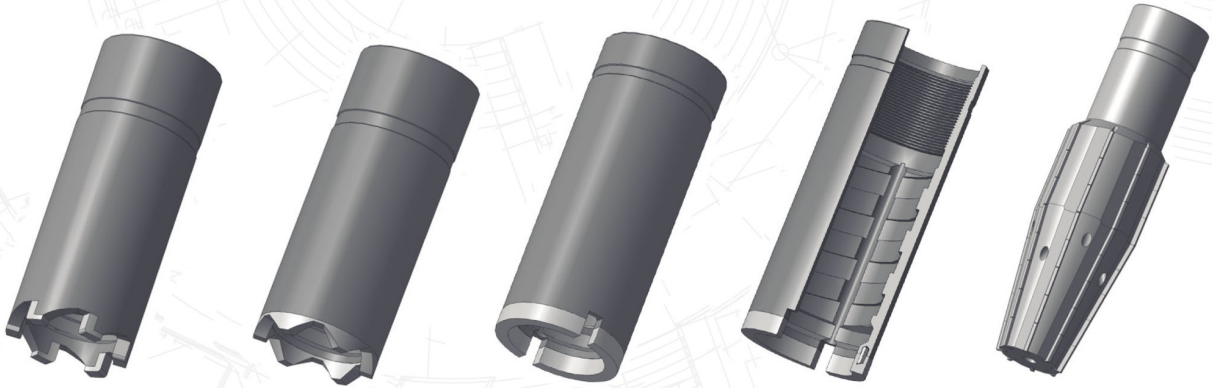
## Milling cutters

**Bottom-hole face mills are used for:**
**- destroying cement stones over the entire section of the well;**
**- sand bridge milling, soft metal casing attachments milling.**



**Washover shoes are used for cutting (drilling-around) of the annular space between the borehole wall and the tubing being cut.**

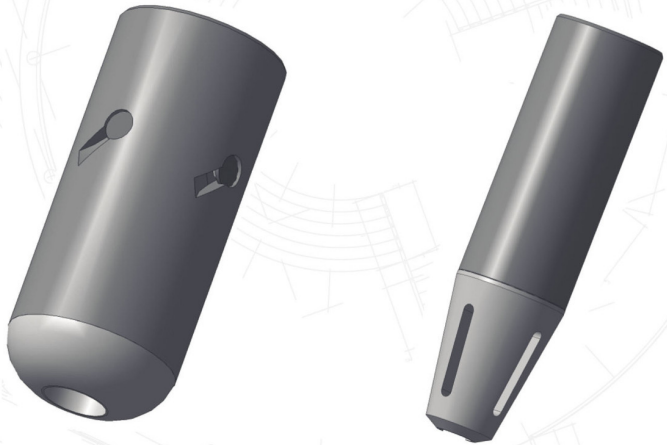
**Taper string mills are used for cutting damaged (wrinkled) areas of production strings during well workover or wellbore “window” cleaning.**



# Float shoes

**Float shoes are used for fitting the casing bottom with bottomhole assemblies, reinforcing the bottomhole, and protecting the bottomhole from destruction when lowering the casing string.**

**The float shoe consists of a thick-walled steel body and an integral hemispherical cement shoe. The float shoe has the following types of thread in the upper part for connection to the corresponding diameter casing: triangular thread, OTTM trapezoidal thread, OTTG high hermetic connection thread.**



# WE INVITE YOU TO COOPERATION!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