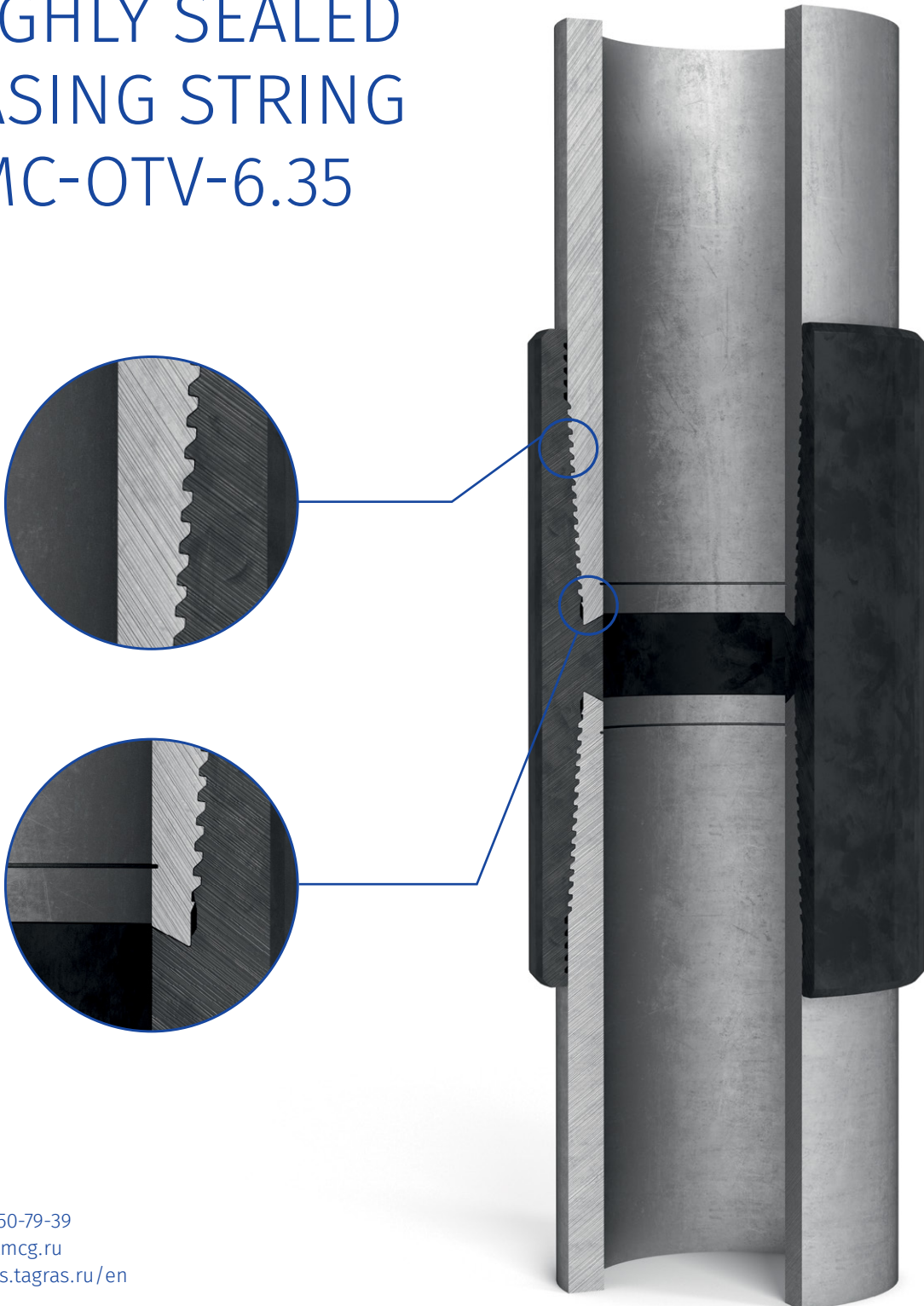


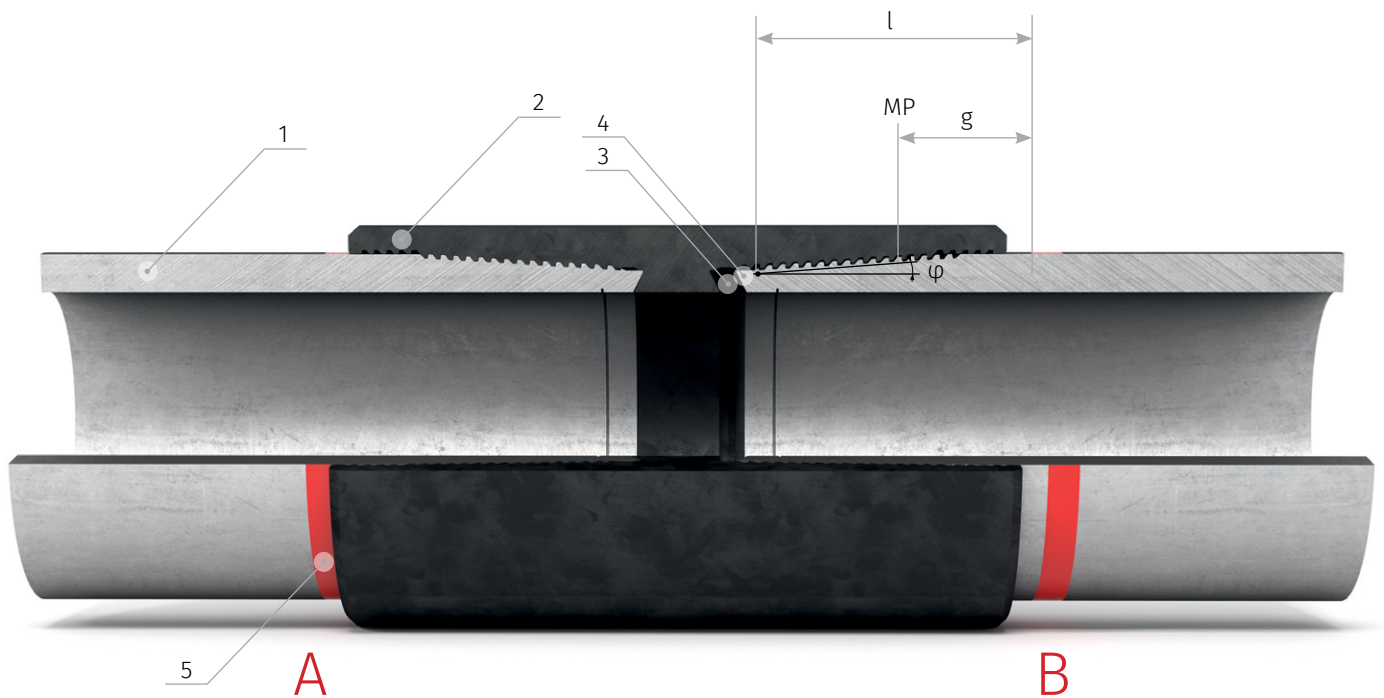
TAGRAS Oilfield Services Holding



# HIGH STRENGTH HIGHLY SEALED CASING STRING TMC-OTV-6.35



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- |                                 |                                 |
|---------------------------------|---------------------------------|
| 1. — Pipe Body                  | 4. — Female Cone in the Collar; |
| 2. — Collar                     | 5. — Screwing Indicating Band;  |
| 3. — Sealing Band of the Nipple | MP — Main Plane                 |

#### Application

Casing strings series OTV produced in accordance with Technical Requirements TU 1327-009-20970456-2015 are used to case oil wells, gas wells of complicated profile and the wells in which there moves the heat transfer medium at a temperature of up to 250 °C.

#### The uniqueness of the design consists in the following:

Sealing of the threaded joint due to interference fit contact at C point of the toroidal seal band of the nipple with the female cone in the collar.

#### Advantages of threaded joints:

1. Improving the quality of pipe assembly on the well by means of free entry without rotating the nipple into the collar at a depth of 12 threads which reduces the probability of the threads getting cocked and ensures distribution of the load from the weight of the pipe being screwed on over several mutually contacting threads.
2. Increasing the axial load for extension and ompression in the threaded joint F-6,35, virtually to the load which the casing string body withstands. The load increases as result of redistributing it over the threads of incomplete profile in area g, the metal cross section area under which increases;
3. Equal distribution of axial load over the threads as a result of gradually increasing the thread depth from the indicating band (5) to the main plane;
4. Facilitating visual control of thread screwing completion by comparing the collar end with the beginning of the wide circular band (5);
5. Increasing reliability of the casing string when lowering it into severely curved wells by optimizing gaps near the threads as well as the toroidal and taper design of threaded joint sealing unit.