



Innovative technologies and Advanced materials in fluid film bearing

PIK Diad Ltd.

www.pik-diad.ru

Thrust bearings for Electrical Subversive Pump Systems

We design and manufacture thrust bearings for Modular Electrical Subversive Pump(ESP) Protectors.

We use bearing grade proprietary composite materials for matting surfaces. Our composite materials are based on engineered PEEK(polyether ether ketone) reinforced with carbon fibre and other materials. Use of engineered polymer based materials allows to increase thrust load up to 10 MPa and exceptional operation temperatures beyond 250 C, though maintaining incredible 0.04-0.02 coefficient of friction. Utilising our thrust bearings with engineered polymer matting surfaces will double service life of ESP protectors, comparing to conventional thrust bearing. PEEK polymer based bearings are excellent for high load application, aggressive environments, thin film operation and high temperature applications.

ESP Protector thrust bearings are available in 59mm, 76mm, 80mm, 90mm and 102mm sizes. We can design and manufacture thrust bearing specifically for your application, with provision for your needs and technical requirements. Please fill in inquiry sheet, attached.

We supply thrust bearing for ESP systems to major Russian Oil and Gas companies, including new equipment manufactures and services companies. We ship bearing to all parts of Russia, for instance Eastern Siberia, Tatarstan, Tyumen and etc. We ship bearing to customers outside of Russia, for instance Kazakstan, Uzbekistan and Turkmenistan. We can ship bearings to almost every part of the world. In 2018 our thrust bearing have been installed in ESP Protectors for Aramco company. See attached customer reference list.

Would you be interested in getting a quote, please fill in inquiry form, in attachment. See below our contacts in case of addition information is required.

sales@pik-diad.ru - for getting quote;
info@pik-diad.ru - for technical questions.



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