

All Products

Angular Contact Ball Bearing (60)

Cylindrical Roller Bearing (64)

Spherical Roller Bearing (78)

Taper Roller Bearing (87)

Deep Groove Ball Bearing (35)

Thrust Roller Bearing (19)

Slewing Ring Bearing (14)

Thin Section Bearings (23)

Cross Roller Bearing (36)

Ceramic Ball Bearings (13)

Dental Drill Bearing (12)

Non Standard Bearings (7)

Mud Motor Bearings (23)

Harmonic Gear Reducer (3)

Split Roller Bearing (24)

Insulated Motor Bearings (4)

Worm Gear Slew Drive (37)

We got the samples and the testing results is great,thanks for your work!

— Chris

Received bearings.The quality is good. Warm and thoughtful service,fast shipment.I will keep doing business with your trustworthy company.

— John Grafton

3 years' cooperation with satisfied service and quality.We attain many local customers gratitude and supports.Thank

— Mohammad EL ASSWAD

We have tested the bearing 23082 and I am so satisfied with the bearing quality.Good package and best price have given a big favor in our business.

— Kwon

Your quality is good,but the prices is a little higher!Anyway,quality is first,but please also give me one better prices,thanks!

— Michile

All is goes well,thanks for your cooperation!

— Giorgia

I'm Online Chat Now

Mud Stack Thrust Bearings for Downhole Drill 128721K , ISO Approval



Large Image : Mud Stack Thrust Bearings for Downhole Drill 128721K , ISO Approval

Product Details:

Place of Origin:	LUOYANG
Brand Name:	MONTON
Certification:	ISO9001
Model Number:	128721K

Payment & Shipping Terms:

Minimum Order Quantity:	1
Price:	250USD/pc
Packaging Details:	Single packing
Delivery Time:	25days
Supply Ability:	100000pcs/months

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Detailed Product Description

Mud Stack Thrust Bearing Downhole Drill 128721K

Bearing Assembly of Downhole Motor is used to transmit motor rotary dynamic force to the bit, meanwhile to withstand axial and radial load from drilling weight.

Bearing Assembly of Downhole Motor is used to transmit motor rotary dynamic force to the bit, meanwhile to withstand axial and radial load from drilling weight. Inside of the Bearing Assembly, EFU PETRO uses TC Radial Bearing and a stacked thrust bearings. The thrust bearings support the downward force resulting from the "weight on bit" (WOB) and the loads from the combination of hydraulic thrust and weight loads from internal components.EFU PETRO provides different bearing assemblies, designed to meet the diverse requirements of the drilling industry.

1) Bit nozzle pressure loss is 7.0 Mpa, EFU PETRO uses a stacked multiple balls design for the thrust bearings. The thrust bearings support the downward force resulting from the "weight on bit" (WOB) and the loads from the combination of hydraulic thrust and weight loads from internal components.

Rolling Element Bearings (Ball Bearings)

Rolling element bearings, or ball bearings, have conventionally been used to react thrust, or axial, loads in downhole mud motors. When low rpm power sections are used in the application such bearings provide sufficient life and reliability. However, bearing component fatigue causes life to decrease linearly as speed increases; fatigue makes ball bearings unsuitable for high rpm motors. In addition to life, friction and horse-power losses are often of interest in drilling. Ball bearings are referred to as frictionless bearings due to the rolling nature of the elements; however in practice frictional losses exist due to rolling resistance and sliding. An order of magnitude approximation of the coefficient of friction (CoF) for an angular contact bearing operation in ideal non-abrasive lubricant conditions is 0.0032. In drilling mud, the CoF can be assumed to be significantly higher.

2) Bit nozzle pressure loss is 14.0 Mpa, EFU PETRO uses PDC thrust bearings or Hydronamic bearings . It has longer life and higher bearing loading capacity.

Sliding Bearings (PDC Bearings)

Polycrystalline Diamond Compact (PDC) bearings have historically been utilized in high speed motors as they are not subjected to the same fatigue mechanism experienced by rolling element bearings. These bearings operate in a sliding manner and relative moving parts to transmit load. Common PDC bearings designs use an array of round PDC pads mounted to a ring.

In the case of PDC the value of coefficient of friction (CoF) can be estimated by 0.05 to 0.08.

Hydrodynamic Bearings

Hydrodynamic, or fluid-film, bearings function by separating the bearing faces by a layer of viscous fluid. A conventional hydrodynamic tilt-pad bearing was modified for use in downhole operation. The modification includes the use of spring mounted silicon carbide pads which:

- allow pads to tilt for fluid entrainment into the bearings surface
- allow deflection in the axial direction for efficiently sharing thrust load among pads and between stacked bearings
- resist mud abrasion due to hardness of the advanced ceramic

The coefficient of friction (CoF) for the hydrodynamic bearing operation in water can be estimated to be 0.0004.

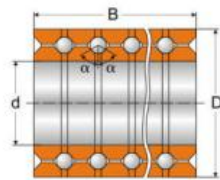
Test bearing	Coefficient of friction	Tested motor current draw at 7000 lbf load, amps	% change in motor current draw vs ball bearing baseline	Power loss kW
Ball Bearing	0.0032	9.55	N/A	4.683
PDC Bearing	0.05-0.08	17.05	+78.50	73.205
Hydrodynamic Bearing (theoretical)	0.0004	9.33	-2.20%	0.589



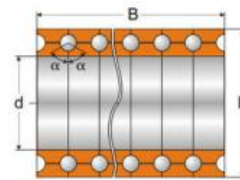


Bearing tables ●

● Angular contact thrust ball bearings



128700
128700K



128700M

Angular contact thrust ball bearings, multi row

Basic dimensions			Load capacity		Maximum rotation speed (lubrication) non-fluid rpm	Designation	Mass	Dimensions	Angle of contact
d	D	B	dyn. C	stat. C ₀					
mm	mm	mm	kN	kN			kg	mm	grado
65	128	351,5	199,1	169,6	1800	128713	24,2	65	60
80	148	363,0	260,0	310,0	1500	128916M	30,0	80	60
90	142	550,0	206,4	226,8	1500	128718	35,2	90	60
	142	550,0	230,0	253,0	1500	128718M	35,0		60
	142	451,0	230,0	269,0	1500	128718KM	29,6		60
105	165	505,5	272,5	300,0	1500	128721K	42,4	105	60
	165	505,5	323,2	405,0	1500	128721M	43,2		60
115	205	570,0	408,9	453,5	1500	128723	88,8	115	60
	205	570,0	560,0	610,0	1500	128723M	89,1		60
130	205	788,0	465,7	530,2	1200	128726	102,0	130	60
	205	788,0	630,0	690,0	1200	128726M	105,6		60

Tag: angular contact bearings, non standard bearing

Contact Details

LUOYANG MONTON BEARING SCIENCE & TECHNOLOGY CO.,LTD. Send your inquiry directly to us

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Tel: **+8613213639372**

Send your inquiry to our good quality Mud Stack Thrust Bearings for Downhole Drill 128721K , ISO Approval products.

Other Products

128726M mud motor lubricated thrust bearings Mud Stack Thrust Bearings

bearing stacks Mud Motor Bearings for oil drilling motor

Lubrication Mud Motor Bearings , Mudstack Thrust Bearings For Downhole Drilling Tools

Mud Stack Thrust Bearings Mud Motor Bearings for Downhole Drill 128713K

Professional Mud Motor Bearings for the downhole motor , 55SiMoVA or 8620 Material

Multi Row Thrust Angular Contact Mud Motor Bearings 55SiMoVA Material

About Us

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Angular Contact Ball Bearing

- HP0822G03 china turbocharger bearing manufacturer for the automobile industry
- 35*47*4mm P4 Thin Section Ball Bearings With Non Magnetic Stainless Steel For Missile
- Turbocharger bearing HP0822G02 china angular contact ball bearings factory
- china angular contact ball bearing factory 71906


Spherical Roller Bearing

- High Precision Spherical Roller Bearing C3030V For Continuous Casting Machine
- PLC58-10 Concrete Mixer Spherical Roller Bearing For Truck Gear Reducer
- BS2 2208-2CS Sealed Bearing Spherical Roller , Nylon Cage Concrete Mixer Bearings
- double row spherical roller bearing su110*180*69 Mm china heavy duty spherical thrust roller bearing suppliers

Thrust Roller Bearing

- 29232 Chrome Steel High Speed Thrust Bearing , Radial Water Pump Low Friction Bearing
- Oil Drilling Thrust Cylindrical Roller Bearings 81144M 220*270*37mm With SKF3 Material
- Spherical Single Direction Thrust Roller Bearing 29352EM For Axial / Radial Loads
- High Speed Stainless Thrust Bearing , Tapered Roller Thrust Bearings For Machine Tools

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