

# Mud Stack Thrust Angular Contact Mud Motor Bearings , Dual Ball Bearing 128916M

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

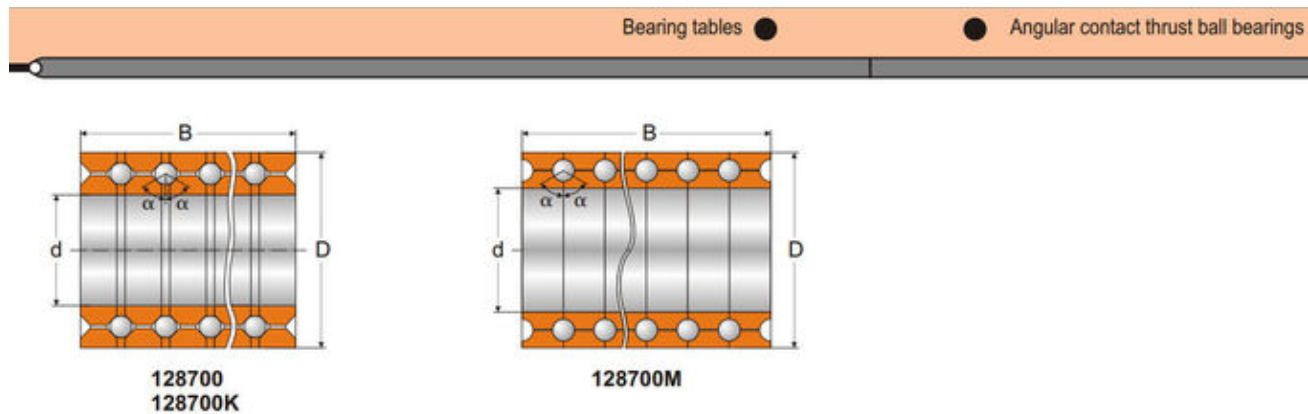


## Product Description

The bearings in a mud motor at the end of a drill string would place a huge influence on productivity and reliability in terms of oil drilling or gas drilling.The working condition of these mud motor bearings are extremely harsh: the bearings bear heavy axial and shock loads, and they are also exposedwith highly abrasive mud.

- Special steel for all bearing components
- Full complement bearing

- Precision matched rings
- Unique bearing design to support heavy
- axial drilling loads



*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 <sub>s</sub>				GOST	d	
mm	mm	mm	kN			-	kg	mm	grado	
<b>65</b>	128	351,5	199,1	169,6	1800	<b>128713</b>	24,2	<b>65</b>	60	
<b>80</b>	148	363,0	260,0	310,0	1500	<b>128916M</b>	30,0	<b>80</b>	60	
<b>90</b>	142	550,0	206,4	226,8	1500	<b>128718</b>	35,2	<b>90</b>	60	
	142	550,0	230,0	253,0	1500	<b>128718M</b>	35,0		60	
	142	451,0	230,0	269,0	1500	<b>128718KM</b>	29,6		60	
<b>105</b>	165	505,5	272,5	300,0	1500	<b>128721K</b>	42,4	<b>105</b>	60	
	165	505,5	323,2	405,0	1500	<b>128721M</b>	43,2		60	
<b>115</b>	205	570,0	408,9	453,5	1500	<b>128723</b>	88,8	<b>115</b>	60	
	205	570,0	560,0	610,0	1500	<b>128723M</b>	89,1		60	
<b>130</b>	205	788,0	465,7	530,2	1200	<b>128726</b>	102,0	<b>130</b>	60	
	205	788,0	630,0	690,0	1200	<b>128726M</b>	105,6		60	

## Downhole drilling motor bearings

Whether you're drilling for oil or gas, the bearings in a mud motor at the end of a drill string have a direct impact on productivity and reliability. These mud motor bearings have to endure extreme operating conditions. In addition to severe axial and shock loads, these bearings are "lubricated" with highly abrasive mud, which for a bearing is the definition of an extreme operating condition.

## **How the new bearing works ?**

The typical mud motor bearing contains between 8 and 12 rows for design optimization. When the bearing is new, the majority of the load is accommodated by the first four or five rows. As each row starts to wear, the load is shifted to the next row and the next until all the rows are worn equally. Then, the load is shifted back to the first row and the process is repeated. This unique Monton design enables the bearing to last significantly longer than previous bearing designs.

## **About the redesign process**

To significantly improve bearing performance and reliability, Monton engineers used proprietary Monton design and simulation tools to

- accurately define the behaviour of a bearing stack
- redesign the bearing to minimize stresses and optimise load carrying capacity
- test new designs and materials. With the Monton virtual test rig, engineers were able to identify and correct the problem of cracked rings and sheared balls – two common problems with these bearing

## **Product features**

- Special steel for all bearing components
- Full complement bearing
- Precision matched rings
- Unique bearing design to support heavy axial drilling loads

## **Customer benefits**

- Improved wear-resistance
- Increased load carrying capacity
- Optimized load distribution

- Increased robustness
- Improved reliability
- Customized design

