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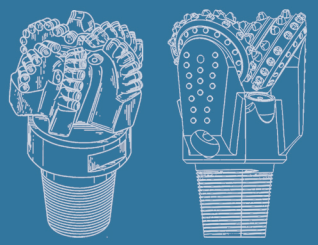

KJ Series Metal-face Sealed Bearing Tricone Rock Bit

Recommended Drilling Parameters

IADC	WOB (KN/mm)	RPM (r/min)	Applicable Formations
437/447/435	0.35~0.9	240~70	Very soft formations with low compressive strength and high drillability, such as clay, mudstone, chalk, gypsum, salt, soft limestone, etc.
517/527/515	0.35~1.0	220~60	Soft formations with low compressive strength and high drillability, such as mudstone, gypsum, salt, soft limestone, etc.
537/547/535	0.45~1.0	220~50	Medium formations with low compressive strength, such as medium shale, medium limestone, medium sandstone, medium formation with harder and abrasive interbeds, etc.
617/615	0.45~1.1	200~50	Medium hard formation with high compressive strength, such as hard shale, limestone, sandstone, dolomite. etc.
637/635	0.5~1.1	180~40	Hard formations with high compressive strength, such as sandstone, limestone, dolomite, basalt, etc.
Note: The upper limits of WOB and RPM in above table should not be used simultaneously.			

KJ系列金属密封轴承镶齿三牙轮钻头

推荐钻头使用参数

IADC	钻压 (KN/mm)	转速 (r/min)	应 用 地 层
437/447/435	0.35~0.9	240~70	低抗压强度高可钻性的极软地层，如粘土、泥岩、白垩、泥岩、石膏、盐岩、软页岩、软石灰岩等。
517/527/515	0.35~1.0	220~60	低抗压强度的软地层，如泥岩、石膏、盐岩、软页岩、软石灰岩等。
537/547/535	0.45~1.0	220~50	低抗压强度的中等地层，如中软页岩、中软石灰岩、中软砂岩和有较硬研磨性夹层的中等地层。
617/615	0.45~1.1	200~50	高抗压强度的中硬地层，如硬页岩、石灰岩、砂岩、白云岩等。
637/635	0.5~1.1	180~40	高抗压强度的硬地层，如砂岩、石灰岩、白云岩、玄武岩等。
注：表中推荐的钻压和转速不可同时使用上限。			

KA Series Elastomer Sealed Bearing Tricone Rock Bit

Recommended Drilling Parameters

IADC	WOB (KN/mm)	RPM (r/min)	Applicable Formations
417/437/447 415/435	0.35~0.9	150~70	Very soft formations with low compressive strength and high drillability, such as clay, mudstone, chalk, gypsum, salt, soft limestone, etc.
517/527/515	0.35~1.0	140~60	Soft formations with low compressive strength and high drillability, such as mudstone, gypsum, salt, soft limestone, etc.
537/547/535	0.45~1.0	120~50	Medium formations with low compressive strength, such as medium, shale, medium limestone, medium sandstone, medium formation with harder and abrasive interbeds, etc.
617/615	0.45~1.1	90~50	Medium hard formation with high compressive strength, such as hard shale, limestone, sandstone, dolomite, etc.
637/635	0.5~1.2	80~40	Hard formations with high compressive strength, such as sandstone, limestone, dolomite, basalt, etc.
Note: The upper limits of WOB and RPM in above table should not be used simultaneously.			

KA系列橡胶密封轴承镶齿三牙轮钻头

推荐钻头使用参数

IADC	钻压 (KN/mm)	转速 (r/min)	应 用 地 层
417/437/447 415/435	0.35~0.9	150~70	低抗压强度高可钻性的极软地层，如粘土、泥岩、白垩、泥岩、石膏、盐岩、软页岩、软石灰岩等。
517/527/515	0.35~1.0	140~60	低抗压强度的软地层，如泥岩、石膏、盐岩、软页岩、软石灰岩等。
537/547/535	0.45~1.0	120~50	低抗压强度的中等地层，如中软页岩、中软石灰岩、中软砂岩和有较硬研磨性夹层的中等地层。
617/615	0.45~1.1	90~50	高抗压强度的中硬地层，如硬页岩、石灰岩、砂岩、白云岩等。
637/635	0.5~1.2	80~40	高抗压强度的硬地层，如砂岩、石灰岩、白云岩、玄武岩等。
注：表中推荐的钻压和转速不可同时使用上限。			

KE Series Elastomer Sealed Bearing Tricone Rock Bit

Recommended Drilling Parameters

IADC	WOB (KN/mm)	RPM (r/min)	Applicable Formations
114/115/117	0.3~0.75	180~60	Very soft formations with low compressive strength and high drillability, such as clay, mudstone, chalk, etc.
124/125 126/127	0.3~0.85	180~60	Soft formations with low compressive strength and high drillability, such as mudstone, gypsum, salt, soft limestone, etc.
134/136	0.3~0.95	150~60	Soft to medium formations with low compressive strength and high drillability, such as medium, soft shale, medium soft limestone, medium soft sandstone, soft formation with harder interbeds, etc.
214/215 216/217	0.35~0.95	150~60	Medium formation with high compressive strength, such as medium soft shale, hard gypsum, medium soft limestone, medium soft sandstone, soft formation with harder interbeds, etc.
225/227	0.35~0.95	150~50	Medium hard formations with high compressive strength, such as abrasive shale, limestone, sandstone, dolomite, hard gypsum, marble, etc.

Note: The upper limits of WOB and RPM in above table should not be used simultaneously.

KE系列橡胶密封轴承钢齿三牙轮钻头

推荐钻头使用参数

IADC	钻压 (KN/mm)	转速 (r/min)	应 用 地 层
114/115/117	0.3~0.75	180~60	低抗压强度高可钻性的极软地层，如粘土、泥岩、白垩等。
124/125 126/127	0.3~0.85	180~60	低抗压强度的软地层，如泥岩、石膏、盐岩、软页岩、软石灰岩等。
134/136	0.3~0.95	150~60	低抗压强度的软到中等地层，如中软页岩、中软石灰岩、中软砂岩和有较硬研磨性夹层的中等地层。
214/215 216/217	0.35~0.95	150~60	高抗压强度的中等地层，如中软页岩、硬石膏、中软石灰岩、中软砂岩和有硬夹层的软地层。
225/227	0.35~0.95	150~50	高抗压强度的硬地层，如研磨性页岩、石灰岩、砂岩、白云岩和硬石膏、大理石等。

注：表中推荐的钻压和转速不可同时使用上限。

KCT Series Composite Sealed Bearing Tricone Rock Bit

Recommended Drilling Parameters

IADC	WOB (KN/mm)	RPM (r/min)	Applicable Formations
417/437/447 415/435	0.35~0.9	150~70	Very soft formations with low compressive strength and high drillability, such as clay, mudstone, chalk, gypsum, salt, soft limestone, etc.
517/515	0.35~1.0	140~60	Soft formations with low compressive strength and high drillability, such as mudstone, gypsum, salt, soft limestone, etc.
537/547/535	0.45~1.0	120~50	Medium formations with low compressive strength, such as medium, shale, medium limestone, medium sandstone, medium formation with harder and abrasive interbeds, etc.
617/627/615	0.45~1.1	90~50	Medium hard formation with high compressive strength, such as hard shale, limestone, sandstone, dolomite, etc.
637/647/635	0.5~1.2	80~40	Hard formations with high compressive strength, such as sandstone, limestone, dolomite, basalt, etc.

Note: The upper limits of WOB and RPM in above table should not be used simultaneously.

KCT系列复合密封轴承镶齿三牙轮钻头

推荐钻头使用参数

IADC	钻压 (KN/mm)	转速 (r/min)	应 用 地 层
417/437/447 415/435	0.35~0.9	150~70	低抗压强度高可钻性的极软地层，如粘土、泥岩、白垩、泥岩、石膏、盐岩、软页岩、软石灰岩等。
517/515	0.35~1.0	140~60	低抗压强度的软地层，如泥岩、石膏、盐岩、软页岩、软石灰岩等。
537/547/535	0.45~1.0	120~50	低抗压强度的中等地层，如中软页岩、中软石灰岩、中软砂岩和有较硬研磨性夹层的中等地层。
617/627/615	0.45~1.1	90~50	高抗压强度的中硬地层，如硬页岩、石灰岩、砂岩、白云岩等。
637/647/635	0.5~1.2	80~40	高抗压强度的硬地层，如砂岩、石灰岩、白云岩、玄武岩等。

注：表中推荐的钻压和转速不可同时使用上限。

KCM Series Composite Sealed Bearing Tricone Rock Bit

Recommended Drilling Parameters

IADC	WOB (KN/mm)	RPM (r/min)	Applicable Formations
114/115/117	0.3~0.75	180~60	Very soft formations with low compressive strength and high drillability, such as clay, mudstone, chalk, etc.
125/126/127	0.3~0.85	180~60	Soft formations with low compressive strength and high drillability, such as mudstone, gypsum, salt, soft limestone, etc.
135/136/137	0.3~0.95	150~60	Soft to medium formations with low compressive strength and high drillability, such as medium, soft shale, medium soft limestone, medium soft sandstone, soft formation with harder interbeds, etc.
214/215 216/217	0.35~0.95	150~60	Medium formation with high compressive strength, such as medium soft shale, hard gypsum, medium soft limestone, medium soft sandstone, soft formation with harder interbeds, etc.
225/227	0.35~0.95	150~50	Medium hard formations with high compressive strength, such as abrasive shale, limestone, sandstone, dolomite, hard gypsum, marble, etc.

Note: The upper limits of WOB and RPM in above table should not be used simultaneously.

KCM系列复合密封轴承钢齿三牙轮钻头

推荐钻头使用参数

IADC	钻压 (KN/mm)	转速 (r/min)	应 用 地 层
114/115/117	0.3~0.75	180~60	低抗压强度高可钻性的极软地层，如粘土、泥岩、白垩等。
125/126/127	0.3~0.85	180~60	低抗压强度的软地层，如泥岩、石膏、盐岩、软页岩、软石灰岩等。
135/136/137	0.3~0.95	150~60	低抗压强度的软到中等地层，如中软页岩、中软石灰岩、中软砂岩和有较硬研磨性夹层的中等地层。
214/215 216/217	0.35~0.95	150~60	高抗压强度的中等地层，如中软页岩、硬石膏、中软石灰岩、中软砂岩和有硬夹层的软地层。
225/227	0.35~0.95	150~50	高抗压强度的硬地层，如研磨性页岩、石灰岩、砂岩、白云岩和硬石膏、大理石等。

注：表中推荐的钻压和转速不可同时使用上限。

KCS Series High RPM Composite Sealed Bearing Tricone Rock Bit

Recommended Drilling Parameters

IADC	WOB (KN/mm)	RPM (r/min)	Applicable Formations
417/437/447	0.35~0.9	230~70	Very soft formations with low compressive strength and high drillability, such as clay, mudstone, chalk, gypsum, salt, soft limestone, etc.
517/515	0.35~1.0	220~60	Soft formations with low compressive strength and high drillability, such as mudstone, gypsum, salt, soft limestone, etc.
537/547/535	0.45~1.0	220~50	Medium formations with low compressive strength, such as medium, shale, medium limestone, medium sandstone, medium formation with harder and abrasive interbeds, etc.
617/615	0.45~1.1	220~50	Medium hard formation with high compressive strength, such as hard shale, limestone, sandstone, dolomite, etc.
637/647/635	0.5~1.1	210~40	Hard formations with high compressive strength, such as sandstone, limestone, dolomite, basalt, etc.

Note: The upper limits of WOB and RPM in above table should not be used simultaneously.

KCS系列高转速复合密封轴承镶齿三牙轮钻头

推荐钻头使用参数

IADC	钻压 (KN/mm)	转速 (r/min)	应 用 地 层
417/437/447	0.35~0.9	230~70	低抗压强度高可钻性的极软地层，如粘土、泥岩、白垩、泥岩、石膏、盐岩、软页岩、软石灰岩等。
517/515	0.35~1.0	220~60	低抗压强度的软地层，如泥岩、石膏、盐岩、软页岩、软石灰岩等。
537/547/535	0.45~1.0	220~50	低抗压强度的中等地层，如中软页岩、中软石灰岩、中软砂岩和有较硬研磨性夹层的中等地层。
617/615	0.45~1.1	220~50	高抗压强度的中硬地层，如硬页岩、石灰岩、砂岩、白云岩等。
637/647/635	0.5~1.1	210~40	高抗压强度的硬地层，如砂岩、石灰岩、白云岩、玄武岩等。

注：表中推荐的钻压和转速不可同时使用上限。