



QUALITY RUNS DEEP

WIRELINING CORING DRILL RODS

TECHNICAL DETAILS

VER: 1.3.725





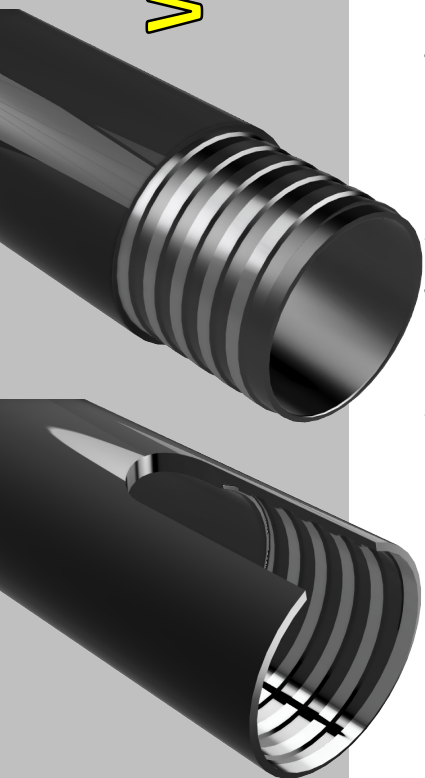
WIRELINE CORING DRILL RODS

KUVAWALA has applied its extensive experience of over three decades in the Core Drilling Field to perfect a technology that increases both the durability, operational efficiency and life of Wireline Coring Drill Rods.

With the ever increasing requirement for Minerals and the need for deeper and deeper Diamond Core drilling in search for resources and their viability, there has also been an increase in the requirement for reasonably priced High Quality Coring Rods which can withstand the demanding Core drilling conditions and deliver a lower cost per meter which is among the best in the Industry.

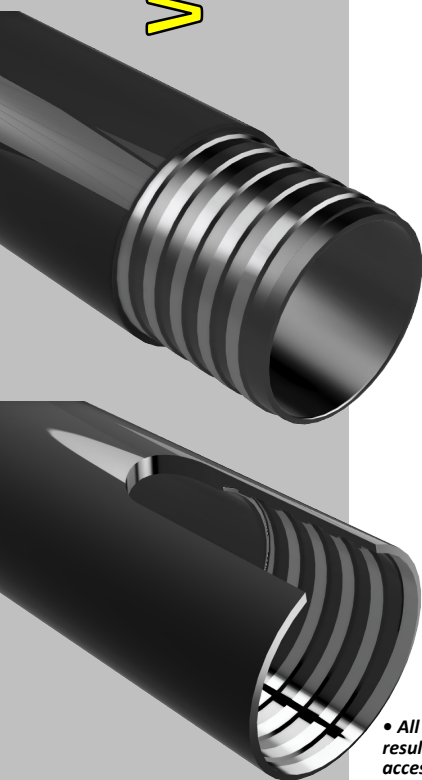
KUVAWALA Wireline Coring rods have a proven track record for long life and excellent performance for last 45 years.

These wireline coring rods are manufactured from the highest quality Cold Drawn Seamless alloy steel tubes of SAE 4130 Grade which are procured from some of the best drill rod tube manufacturers in the world. These Tubes are Induction Hardened and Tempered on both the ends up to a length of 150mm to 200mm and then threaded.





WIRELINER CORING DRILL RODS



B SIZE CORING RODS

TECHNICAL DETAILS

| Size & Weight | BWL (BO) | BOWL (BMO) |
|------------------------------|--|-------------------------------------|
| Outer Diameter | 55.60 mm | |
| Inner Diameter | 46 mm | |
| Mid Body Inner Diameter | 46 mm | |
| Effective Length of Rod | 3m or 1.5m | |
| Weight | 18.2 kgs | |
| Identification | No Grooves on Diameter | One Groove on Diameter near Pin End |
| Thread & Joint Specification | | |
| Threads Per Inch (TPI) | 3 TPI | |
| Thread Profile |  | |
| Heat Treatment | Both End are Heat Treated (Hardened) Length of HT: 6"~ Hardness: 31-38RC | |
| Max. Pull Back * | 19.8 Tons | 23.9 Tons |
| Max. Depth Rating * | 1500m | 1800m |
| Max. Drilling Torque * | 750 Nm | 900 Nm |
| Mechanical Properties | | |
| Raw Material | Cold Drawn Seamless SAE 4130 Alloy Steel Precision Pipes as per ASTM A519 | |
| Yield Strength (Pipe) | 680 Mpa minimum | |
| Tensile Strength (Pipe) | 800 Mpa minimum | |
| Elongation | 12% minimum | |
| Straightness | 1mm in 6000mm | |

• All Ratings are based on Industry values. Kuvawala uses comparable materials and manufacturing processes, and is confident that similar results will be achieved. These estimates can be reasonably expected with Qualified and experienced Drilling crews using high quality drilling accessories along with our drill rods which Mate perfectly in Fluid Filled Vertical straight Holes, in normal ground conditions with proper care and handling and Standard Core Drilling practices and Equipments which will play a significant role in the ultimate depth capacity and performance.

• Kuvawala is constantly making efforts to improve it's products and hence reserves the right to change it's designs, materials, specifications and price without notice

• * Pullback ratings are for unused brand new Drill Rods under Test condition

• * Kuvawala Wireline Drill rods require the use of Zinc based Anti-Galling Thread Compound on initial make up

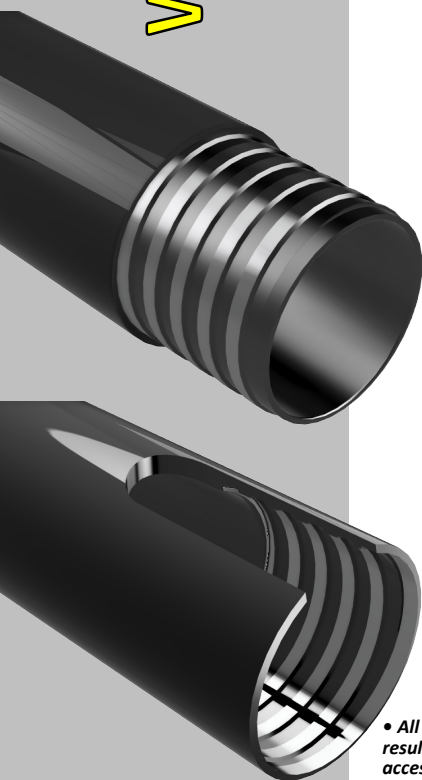


WIRELINER CORING DRILL RODS

N SIZE CORING RODS

TECHNICAL DETAILS

| Size & Weight | | NWL (NO) | NOWL (NMO) |
|------------------------------|--|--|-------------------------------------|
| Outer Diameter | | 70.0 mm | |
| Inner Diameter | | 60.4 mm | |
| Mid Body Inner Diameter | | 60.4 mm | |
| Effective Length of Rod | | 3m or 1.5m | |
| Weight | | 23.5 kgs | |
| Identification | | No Grooves on Diameter | One Groove on Diameter near Pin End |
| Thread & Joint Specification | | | |
| Threads Per Inch (TPI) | | 3 TPI | |
| Thread Profile | | | |
| Heat Treatment | | Both End are Heat Treated (Hardened) Length of HT: 6"~ Hardness: 31-38RC | |
| Max. Pull Back * | | 25 Tons | 32 Tons |
| Max. Depth Rating * | | 1800m | 2300m |
| Max. Drilling Torque * | | 1100 Nm | 1690 Nm |
| Mechanical Properties | | | |
| Raw Material | | Cold Drawn Seamless SAE 4130 Alloy Steel Precision Pipes as per ASTM A519 | |
| Yield Strength (Pipe) | | 680 Mpa minimum | |
| Tensile Strength (Pipe) | | 800 Mpa minimum | |
| Elongation | | 12% minimum | |
| Straightness | | 1mm in 6000mm | |



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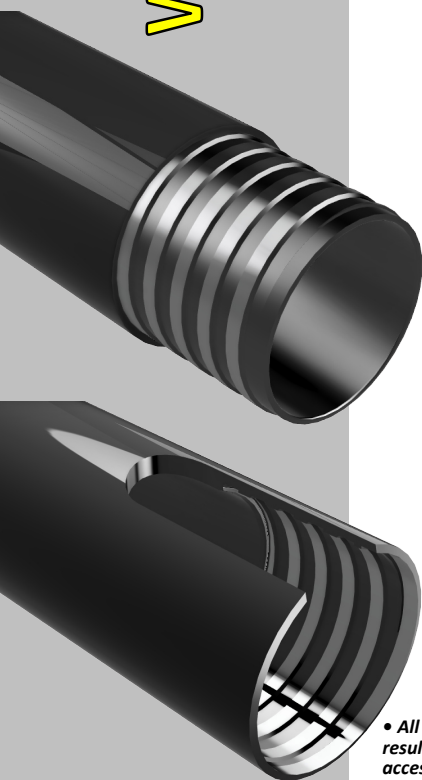
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WIRELINER CORING DRILL RODS



H SIZE CORING RODS

TECHNICAL DETAILS

| Size & Weight | | HWL (HO) | HOWL (HMO) |
|------------------------------|--|--|-------------------------------------|
| Outer Diameter | | 88.9 mm | |
| Inner Diameter | | 77.8 mm | |
| Mid Body Inner Diameter | | 77.8 mm | |
| Effective Length of Rod | | 3m or 1.5m | |
| Weight | | 34.7 kgs | |
| Identification | | No Grooves on Diameter | One Groove on Diameter near Pin End |
| Thread & Joint Specification | | | |
| Threads Per Inch (TPI) | | 3 TPI | |
| Thread Profile | | | |
| Heat Treatment | | Both End are Heat Treated (Hardened) Length of HT: 6"~ Hardness: 31-38RC | |
| Max. Pull Back * | | 42 Tons | 50 Tons |
| Max. Depth Rating * | | 1500m | 1800m |
| Max. Drilling Torque * | | 1730 Nm | 2580 Nm |
| Mechanical Properties | | | |
| Raw Material | | Cold Drawn Seamless SAE 4130 Alloy Steel Precision Pipes as per ASTM A519 | |
| Yield Strength (Pipe) | | 680 Mpa minimum | |
| Tensile Strength (Pipe) | | 800 Mpa minimum | |
| Elongation | | 12% minimum | |
| Straightness | | 1mm in 6000mm | |

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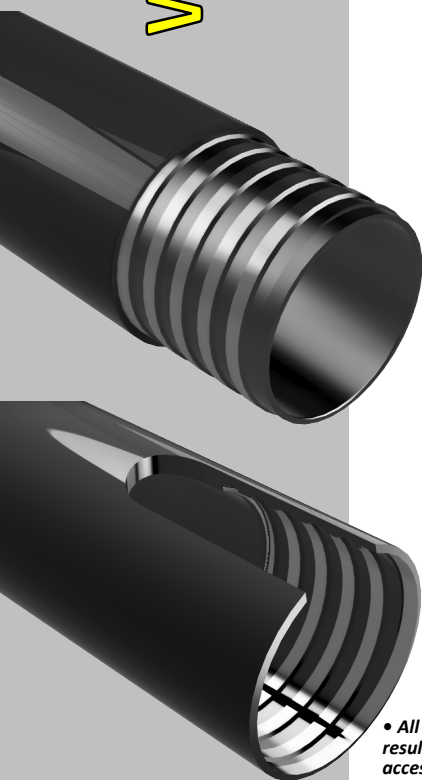
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WIRELINER CORING DRILL RODS



P SIZE CORING RODS
TECHNICAL DETAILS

| Size & Weight | | PHD |
|------------------------------|--|-----|
| Outer Diameter | 114.3 mm | |
| Inner Diameter | 102 mm | |
| Mid Body Inner Diameter | 102 mm | |
| Effective Length of Rod | 3m or 1.5m | |
| Weight | 51.5 kgs | |
| Identification | No Grooves on Diameter | |
| Thread & Joint Specification | | |
| Threads Per Inch (TPI) | 2.5 TPI | |
| Thread Profile |  | |
| Heat Treatment | Both End are Heat Treated (Hardened) Length of HT: 6"~ Hardness: 31-38RC | |
| Max. Pull Back * | 56 Tons | |
| Max. Depth Rating * | 1200m | |
| Max. Drilling Torque * | 3500 Nm | |
| Mechanical Properties | | |
| Raw Material | Cold Drawn Seamless SAE 4130 Alloy Steel Precision Pipes as per ASTM A519 | |
| Yield Strength (Pipe) | 680 Mpa minimum | |
| Tensile Strength (Pipe) | 800 Mpa minimum | |
| Elongation | 12% minimum | |
| Straightness | 1mm in 3000mm | |

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