



HENGSHUI HUIYA NEW-MAT TECHNOLOGY CO., LTD

HIGH INTENSITY, HIGH PRESSURE-- DRILLING MUD HOSE (API 7K SERIES)

1. Application: This rotary hose is used for the oil drilling and mud transportation systems, as the flexible connection between the bottom of drilling riser and the water faucet which can move vertically. And used for adjusting the installation error between the drilling pump line and the drilling riser to connect well and isolate vibration.

Under high pressure, it can used for conveying the water-base and oil-base mud with minimum aniline point 60°C, which pumped out from rotary drilling equipment. It can also prevent the erosion of H₂S and convey the oilfield well water, oil mud, etc.



2. Construction: Consisted of inner rubber layer or stainless steel armoured pipe, reinforced layer of carbon fiber, medium rubber layer, reinforced layer of steel and outer rubber layer of carbon fiber.

3. Features: The steel wire of reinforced layer is the imported high tensile steel which is specialized in the spiral rubber hose. Inner rubber adopted the virgin rubber from German LANXESS Company and the proprietary formula of our company which can tolerate oil-base mud, H₂S and water-base mud. And inner wall is wear-proof which can withstand the high-speed mixed mud flow and the high temperature and extreme weather. For locking the connected couplings, with the proprietary technology of our company, the hose and fittings can be the same diameter to ensure no choked flow, eddy or failure in shear.



4. Transmission medium: Water-base mud, oil-base mud, and hydrogen sulphide-proof medium.

5. Appearance of the color: Water-base mud hose is black. Oil-base mud hose is orange. H₂S-resistance hose is orange.

6. Standard: API Spec 7K

7. API license number: 7K-0376

8. Working temperature: -20°C~+121°C

9. Specification:

ID: mm (Inch)	51 (2")							64 (2-1/2")							76 (3")						
GRADE	A	B	C	D	E	F	G	A	B	C	D	E	F	G	A	B	C	D	E	F	G
WP: Mpa Psi	11 1500	14 2000	28 4000	35 5000	52 7500	70 10000	105 15000	11 1500	14 2000	28 4000	35 5000	52 7500	70 10000	105 15000	11 1500	14 2000	20 4000	35 5000	52 7500	70 10000	105 15000
TP: Mpa Psi	22 3000	28 4000	56 5000	70 10000	104 15000	105 15000	157.75 22500	22 3000	28 4000	56 5000	70 10000	104 15000	105 15000	157.75 22500	22 3000	28 4000	56 5000	70 10000	104 15000	105 15000	157.75 22500
Min. Bending Radius (mm)	800	800	850	850	900	950	1000	900	900	1000	1000	1050	1100	1150	950	950	1050	1050	1100	1150	1150
Type of Joint	TBG /LP / UNION							TBG /LP / UNION							TBG /LP / UNION						
ID: mm (Inch)	89 (3-1/2")							102 (4")						127 (5")				152 (6")			
GRADE	A	B	C	D	E	F	G	A	B	C	D	E	F	A	B	C	D	A	B	C	D
WP: Mpa Psi	11 1500	14 2000	28 4000	35 5000	52 7500	70 10000	105 15000	11 1500	14 2000	28 4000	35 5000	52 7500	70 10000	11 1500	14 2000	28 4000	35 5000	11 1500	14 2000	28 4000	35 5000
TP: Mpa Psi	22 3000	28 4000	56 5000	70 10000	104 15000	105 15000	157.75 22500	22 3000	28 4000	56 5000	70 10000	104 15000	105 15000	22 3000	28 4000	56 8000	70 10000	22 3000	28 4000	56 5000	70 10000
Min. Bending Radius (mm)	1000	1000	1100	1100	1150	1150	1200	1050	1050	1100	1100	1150	1200	1200	1200	1300	1300	1300	1300	1400	1400
Type of Joint	TBG /LP / UNION							TBG /LP / UNION						LP/UNION				LP/UNION			

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