



HENGSHUI HUIYA NEW-MAT TECHNOLOGY CO., LTD

DRILLING HOSE

T E C H N I C A L D A T A



Quality Assurance

Safety Of Mechanical Parts



HIGH QUALITY ASSURED



Vibrator Hose

Introduction:

Rotary drilling hose is consist of principally NBP constructed, featuring oil-resistant, abrasion resistant, acid and alkali resistant. It has 2-8 layers spiraled by single high-strength steel wire and rubber as a binder to make the layers into one complete and sound construction. It is covered by the primarily CR fabricated, featuring oil resistant, abrasion-resistant, weatherproof and anti-aging.

It is applied for oil fields, cementing, repairing, geological explorations, small drilling machine, and water conveyance at coal excavations. It is used to carry slurry, water at environmental temperature of -30°C to $+82^{\circ}\text{C}$, and other fluids.



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Construction:

Inner tube:

Principally NBR constructed, featuring oil-resistant, abrasion-resistant, acid and alkali resistant.

Reinforcement:

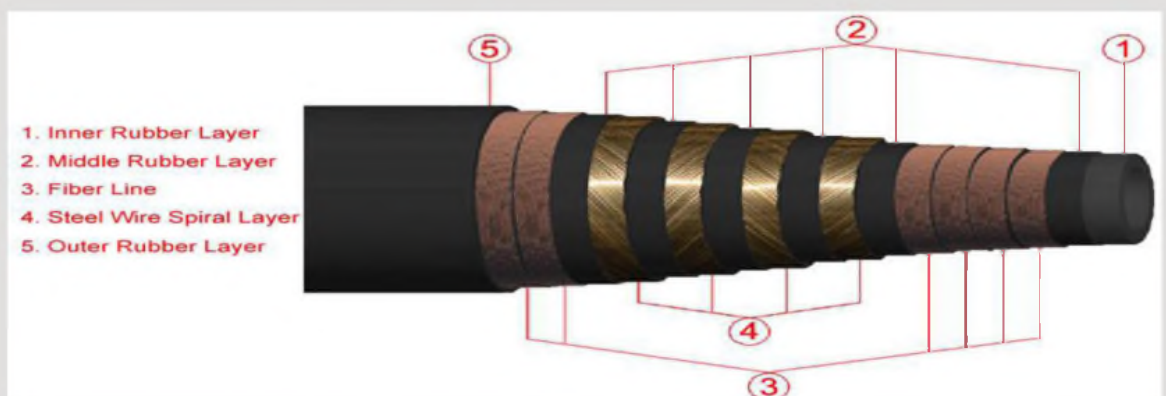
2-8 layers spiraled by single high-strength steel wire and rubber as a binder to make the layers into one complete and sound construction.

Cover:

Primarily CR fabricated, featuring oil-resistant, abrasion-resistant, weatherproof and anti-aging.

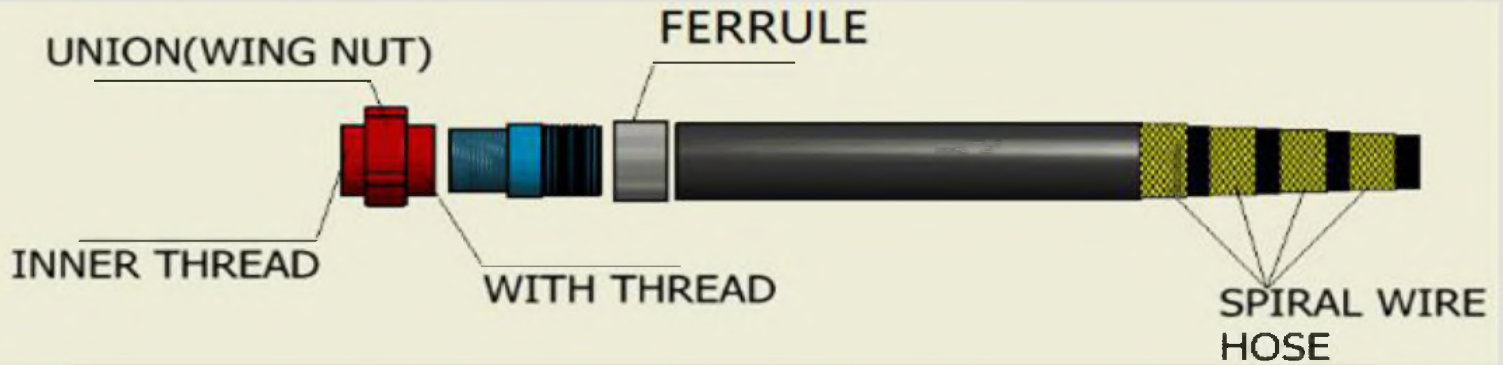
Temperature:

-30 °C to +100 °C (-22 °F to +212 °F)



Connection:

Both End Connection API 4" Threaded



Specification and Reference Dimensions of Union										
Nominal Pipe Size		Total Length		Prick Bore		Nut Radius		Materials		Weight
inch	mm	inch	mm	inch	mm	inch	mm	Nut	Part	kg/m
1	25.4	3 17/32	89.7	1/4	6.4	2 5/16	58.78	SF	SF	1.6
2	50.8	5 1/4	133.3	1/4	6.4	3 9/16	90.5	SF	SF	5.9
3	76.2	6 3/8	161.92	3/8	9.5	4 5/8	117.5	SF	SF	9.5
4	101.6	8 1/16	208	3/8	9.5	5 1/4	133.4	SF	SF	15.0



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Applications:

The vibrator hose is applied for oil drilling, the drilling mud in the delivery system between the top of riser with the vertical movement of the faucet may be connected to flexible hose and applied to the line between pump and the drilling riser for adjusting misalignment, to facilitate connection and vibration isolation. It is also applied to a large number of transport under high pressure from the pump rotary drilling equipment and a minimum aniline point of water-based or oil-based mud 66 °C and can anti-corrosive hydrogen sulfide, oilfield down hole conveying water, oil, mud high media.



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Specification:

Vibrator Hose Technical Specification

Table 1: Grade A

I.D		O.D	W.P		Proof Pressure P.P		Min B.R	Weight	Coupling Thread
mm	inch	mm	Mpa	Psi	Mpa	Psi	mm	kg/m	LP
38	1 1/2	51	11	1500	22	3000	560	2.19	2
51	2	65	11	1500	22	3000	900	3.03	2 1/2
64	2 1/2	78	11	1500	22	3000	1200	3.95	3



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Table 2: Grade B

I.D		O.D	W.P		Proof Pressure P.P		Min B.R	Weight	Coupling Thread
mm	inch	mm	Mpa	Psi	Mpa	Psi	mm	kg/m	LP
38	1 1/2	52	14	2000	28	4000	560	2.39	2
51	2	66	14	2000	28	4000	900	3.25	2 1/2
64	2 1/2	79	14	2000	28	4000	1200	4.37	3
76	3	98	14	2000	28	4000	1200	7.76	4
89	3 1/2	113	14	2000	28	4000	1300	9.95	4
102	4	127	14	2000	28	4000	1400	12.43	5
127	5	113	14	2000	28	4000	1500	15.25	6



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Table 3: Grade C

I.D		O.D	W.P		Proof Pressure P.P		Min B.R	Weight	Coupling Thread
mm	inch	mm	Mpa	Psi	Mpa	Psi	mm	kg/m	LP
38	1 1/2	55	28	4000	56	8000	560	3.65	2
51	2	69	28	4000	56	8000	900	5.15	2 1/2
64	2 1/2	88	28	4000	56	8000	1200	7.86	3
76	3	105	28	4000	56	8000	1200	13.12	4
89	3 1/2	121	28	4000	56	8000	1300	16.79	4
102	4	137	28	4000	56	8000	1400	21.70	5
127	5	164	28	4000	56	8000	1500	28.46	6



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Table 4: Grade D

I.D		O.D	W.P		Proof Pressure P.P		Min B.R	Weight	Coupling Thread
mm	inch	mm	Mpa	Psi	Mpa	Psi	mm	kg/m	LP
51	2	73	35	5000	70	10000	900	6.46	2 1/2
64	2 1/2	91	35	5000	70	10000	1200	10.75	3
76	3	107	35	5000	70	10000	1200	14.35	4
89	3 1/2	123	35	5000	70	10000	1300	18.70	4
102	4	139	35	5000	70	10000	1400	23.16	5
127	5	164	35	5000	70	10000	1500	38.00	6



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Table 5: Grade E

I.D		O.D	W.P		Proof Pressure P.P		Min B.R	Weight	Coupling Thread
mm	inch	mm	Mpa	Psi	Mpa	Psi	mm	kg/m	LP
51	2	80	52	7500	104	15000	1000	10.37	2 1/2
64	2 1/2	101	52	7500	104	15000	1200	17.88	3
76	3	120	52	7500	104	15000	1200	24.45	4
89	3 1/2	135	52	7500	104	15000	1300	29.33	4
102	4	148	52	7500	104	15000	1400	34.24	5
127	5	189	52	7500	104	15000	1500	55.39	6



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