



API 7K DRILLING MUD AND CEMENTING HOSES

APPLICATION:	It is used in drilling, cementing, well repair and other operations, as a flexible connection part for mud manifolds, cementing manifolds, etc. to transport water-based mud, oil-based mud, etc. under high pressure
INNER TUBE:	Standard is UPE material. Optional PTFE on demand.
REINFORCEMENT:	2-6 layers of high tensile steel wire
OUTER LAYER:	Abrasion resistant synthetic rubber
TEMPERATURE RANGE:	-40°C to +125 °C
CONNECTORS:	Butt welding or integral hammer union, or as per customers' requirements.
STANDARD:	API Spec 7K

	INSIDE DIAMETER (inch)	OUTSIDE DIAMETER (mm)	WORKING PRESSURE (psi)	PROOF PRESSURE (psi)	MIN BURST PRESSURE (psi)	MIN BEND RADIUS (mm)
A Grade A	2	72	1500	2250	3750	800
	2½	88	1500	2250	3750	900
B Grade B	2	72	2000	3000	5000	800
	2½	88	2000	3000	5000	900
	3	101	2000	3000	5000	950
	3½	116	2000	3000	5000	1000
	4	130	2000	3000	5000	1000
	5	161	2000	3000	5000	1200
	6	188	2000	3000	5000	1300

	INSIDE DIAMETER (inch)	OUTSIDE DIAMETER (mm)	WORKING PRESSURE (psi)	PROOF PRESSURE (psi)	MIN BURST PRESSURE (psi)	MIN BEND RADIUS (mm)
C Grade C	2	75	3000	4500	7500	850
	2½	94	3000	4500	7500	1000
	3	108	3000	4500	7500	1050
	3½	124	3000	4500	7500	1100
	4	140	3000	4500	7500	1100
	5	168	3000	4500	7500	1100
D Grade D	6	196	3000	4500	7500	1200
	2	77	5000	7500	12500	800
	2½	96	5000	7500	12500	900
	3	111	5000	7500	12500	1050
	3½	127	5000	7500	12500	1100
	4	145	5000	7500	12500	1100
E Grade E	5	173	5000	7500	12500	1100
	6	200	5000	7500	12500	1200
	2	81	7500	11250	16875	800
	2½	100	7500	11250	16875	900
	3	116	7500	11250	16875	1050
	3½	135	7500	11250	16875	1100
F Grade F	4	152	7500	11250	16875	1200
	5	181	7500	11250	16875	1300
	6	212	7500	11250	16875	1400
	2	87	10000	15000	22500	1000
	2½	100	10000	15000	22500	1000
	3	117	10000	15000	22500	1050
G Grade G	3½	143	10000	15000	22500	1100
	4	160	10000	15000	22500	1200
	5	189	10000	15000	22500	1300
	2	103	15000	22500	33750	1000
	3	136	15000	22500	33750	1200