

钻杆表—主要尺寸和质量
DRILL PIPE LIST, MAIN DIMENSIONS AND MASS

规格标识 a Designations					钻杆管体 外径 Pipe-body OD	钻杆壁厚 Pipe wall thickness	钻杆焊颈 Drill pipe weld neck	钻杆接头 Tool joint				RSC 倒角 直径 RSC bevel dia	近似质 量 c Approx mass
								外径 OD	外螺纹内 径 Pin ID	外螺纹外 径长度 Pin OD length	内螺纹外径长 度 Box OD length		
代号 1 Label 1	代号 2 Label 2	钢级 Grade	加厚型式 Upset type	RSC 形式 d RSC type	D _{dp} mm	T mm	D _{te} ^b mm	D mm	d _p mm	L _{pb} mm	L _b mm	D _f mm	W _{dp} kg/m
1	2	3	4	5	/	-12.5%	最大 max	±0.8	+0.4/-0.8	±6.4	±6.4	±0.4	计算的 Calculated
1	2	3	4	5	6	7	8	9	10	11	12	13	14
内加厚 (IU) Internal-upset, (IU)													
4	14.00	E	IU	NC40	101.60	8.38	106.4	133.4	71.4	177.80	254.00	127.40	22.42
4	14.00	X	IU	NC40	101.60	8.38	106.4	133.4	68.3	177.80	254.00	127.40	22.76
4	14.00	G	IU	NC40	101.60	8.38	106.4	139.7	61.9	177.80	254.00	127.40	23.61
4	14.00	S	IU	NC40	101.60	8.38	106.4	139.7	50.8	177.80	254.00	127.40	24.03
4 1/2	13.75	E	IU	NC46	114.30	6.88	119.1	152.4	85.7	177.80	254.00	145.26	22.50
2 3/8	6.65	E	EU	NC26	60.32	7.11	65.1	85.7	44.5	177.80	203.20	82.95	10.45
2 3/8	6.65	X,G	EU	NC26	60.32	7.11	65.1	85.7	44.5	177.80	203.20	82.95	10.58
2 7/8	10.40	E	EU	NC31	73.02	9.19	81.0	104.8	54.0	177.80	228.60	100.41	16.25
2 7/8	10.40	X,G	EU	NC31	73.02	9.19	81.0	104.8	50.8	177.80	228.60	100.41	16.50
2 7/8	10.40	S	EU	NC31	73.02	9.19	81.0	111.1	41.3	177.80	228.60	100.41	17.19
3 1/2	9.50	E	EU	NC38	88.90	6.45	98.4	120.7	68.3	203.20	266.70	116.28	15.77
3 1/2	13.30	E	EU	NC38	88.90	9.35	98.4	120.7	68.3	203.20	266.70	116.28	20.77
3 1/2	13.30	X	EU	NC38	88.90	9.35	98.4	120.7	65.1	203.20	266.70	116.28	21.76
3 1/2	13.30	G	EU	NC38	88.90	9.35	98.4	120.7	61.9	203.20	266.70	116.28	21.90
3 1/2	13.30	S	EU	NC38	88.90	9.35	98.4	120.7	54.0	203.20	266.70	116.28	22.22
3 1/2	15.50	E	EU	NC38	88.90	11.40	98.4	120.7	65.1	203.20	266.70	116.28	24.67
3 1/2	15.50	X	EU	NC38	88.90	11.40	98.4	120.7	61.9	203.20	266.70	116.28	25.07
3 1/2	15.50	G	EU	NC38	88.90	11.40	98.4	120.7	54.0	203.20	266.70	116.28	25.38
3 1/2	15.50	S	EU	NC40	88.90	11.40	98.4	139.7	57.2	177.8	254	127.40	26.19

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规格标识 ^a Designations ^a					钻杆管体 外径 Pipe-body OD	钻杆壁厚 Pipe wall thickness	钻杆焊颈 Drill pipe weld neck	钻杆接头 Tool joint				RSC 倒角 直径 RSC bevel dia	近似质 量 ^c Approx mass ^c
								外径 OD	外螺纹内径 Pin ID	外螺纹外 径长度 Pin OD length	内螺纹外径长 Box OD length		
代号 1 Label 1	代号 2 Label 2	钢级 Grade	加厚型式 Upset type	RSC 形式 ^d RSC type	D _{dp} mm	T mm	D _{te} ^b mm	D mm	d _p mm	L _{pb} mm	L _b mm	D _f mm	W _{dp} kg/m
					/	-12.5%	最大 max	±0.8	+0.4/-0.8	±6.4	±6.4	±0.4	计算的 Calculated
1	2	3	4	5	6	7	8	9	10	11	12	13	14
外加厚 (EU) External-upset (EU)													
4	14.00	E	EU	NC46	101.60	8.38	114.3	152.4	82.6	177.80	254.00	145.26	23.67
4	14.00	X,G	EU	NC46	101.60	8.38	114.3	152.4	82.6	177.80	254.00	145.26	24.12
4	14.00	S	EU	NC46	101.60	8.38	114.3	152.4	76.2	177.80	254.00	145.26	24.46
4 1/2	13.75	E	EU	NC50	114.30	6.88	127.0	168.3	95.3	177.80	254.00	153.99	23.65
4 1/2	16.60	E	EU	NC50	114.30	8.56	127.0	168.3	95.3	177.80	254.00	153.99	27.51
4 1/2	16.60	X,G	EU	NC50	114.30	8.56	127.0	168.3	95.3	177.80	254.00	153.99	28.07
4 1/2	16.60	S	EU	NC50	114.30	8.56	127.0	168.3	88.9	177.80	254.00	153.99	28.47
4 1/2	20.00	E	EU	NC50	114.30	10.92	127.0	168.3	92.1	177.80	254.00	153.99	32.93
4 1/2	20.00	X,G	EU	NC50	114.30	10.92	127.0	168.3	88.9	177.80	254.00	153.99	33.63
4 1/2	20.00	S	EU	NC50	114.30	10.92	127.0	168.3	76.2	177.80	254.00	153.99	34.34
4 1/2	16.60	E	IEU	NC46	114.30	8.56	119.1	158.8	82.6	177.80	254.00	145.26	27.36
4 1/2	16.60	X,G	IEU	NC46	114.30	8.56	119.1	158.8	76.2	177.80	254.00	145.26	27.73
4 1/2	16.60	S	IEU	NC46	114.30	8.56	119.1	158.8	69.9	177.80	254.00	145.26	28.04
4 1/2	20.00	E	IEU	NC46	114.30	10.92	119.1	158.8	76.2	177.80	254.00	145.26	32.94
4 1/2	20.00	X	IEU	NC46	114.30	10.92	119.1	158.8	69.9	177.80	254.00	145.26	33.69
4 1/2	20.00	G	IEU	NC46	114.30	10.92	119.1	158.8	63.5	177.80	254.00	145.26	33.97
4 1/2	20.00	S	IEU	NC46	114.30	10.92	119.1	158.8	57.2	177.80	254.00	145.26	34.23

表 A.1 钻杆表—主要尺寸和质量
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								外径 OD	外 螺 纹 内 径 Pin ID	外螺纹外径 长度 Pin OD length	内 螺 纹 外 径 长 Box OD length		
代号 1 Label 1	代号 2 Label 2	钢级 Grade	加厚型式 Upset type	RSC 形式 ^d RSC type	D _{dp} mm	T mm	D _{te} ^b mm	D mm	d _p mm	L _{pb} mm	L _b mm	D _f mm	W _{dp} kg/m
					/	-12.5%	最大 max	±0.8	+0.4/-0.8	±6.4	±6.4	±0.4	计算的 Calculat ed
1	2	3	4	5	6	7	8	9	10	11	12	13	14
内外加厚 (IEU) Internal-External Upset (IEU)													
5	19.50	E	IEU	NC50	127.00	9.19	130.2	168.3	95.3	177.80	254.00	153.99	31.79
5	19.50	X	IEU	NC50	127.00	9.19	130.2	168.3	88.9	177.80	254.00	153.99	32.58
5	19.50	G	IEU	NC50	127.00	9.19	130.2	168.3	82.6	177.80	254.00	153.99	32.95
5	19.50	S	IEU	NC50	127.00	9.19	130.2	168.3	69.9	177.80	254.00	153.99	33.60
5	19.50	E	IEU	51/2FH	127.00	9.19	130.2	177.8	95.3	203.20	254.00	170.66	33.22
5	19.50	X,G	IEU	51/2FH	127.00	9.19	130.2	177.8	95.3	203.20	254.00	170.66	33.61
5	19.50	S	IEU	51/2FH	127.00	9.19	130.2	184.2	88.9	203.20	254.00	170.66	34.89
5	25.60	E	IEU	NC50	127.00	12.70	130.2	168.3	88.9	177.80	254.00	153.99	40.73
5	25.60	X	IEU	NC50	127.00	12.70	130.2	168.3	76.2	177.80	254.00	153.99	41.80
5	25.60	G	IEU	NC50	127.00	12.70	130.2	168.3	69.9	177.80	254.00	153.99	42.11
5	25.60	E	IEU	51/2FH	127.00	12.70	130.2	177.8	88.9	203.20	254.00	170.66	42.14
5	25.60	X	IEU	51/2FH	127.00	12.70	130.2	177.8	88.9	203.20	254.00	170.66	42.51
5	25.60	G	IEU	51/2FH	127.00	12.70	130.2	184.2	88.9	203.20	254.00	170.66	43.35
5	25.60	S	IEU	51/2FH	127.00	12.70	130.2	184.2	82.6	203.20	254.00	170.66	43.75
5 1/2	21.90	E	IEU	51/2FH	139.70	9.17	144.5	177.8	101.6	203.20	254.00	170.66	35.43
5 1/2	21.90	X	IEU	51/2FH	139.70	9.17	144.5	177.8	95.3	203.20	254.00	170.66	36.36
5 1/2	21.90	G	IEU	51/2FH	139.70	9.17	144.5	184.2	88.9	203.20	254.00	170.66	37.61
5 1/2	21.90	S	IEU	51/2FH	139.70	9.17	144.5	190.5	76.2	203.20	254.00	180.18	39.27

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								外径 OD	外 螺 纹 内 径 Pin ID	外 螺 纹 外 径长度 Pin OD length	内 螺 纹 外 径 长 度 Box OD length		
代号 1 Label 1	代号 2 Label 2	钢级 Grade	加厚型式 Upset type	RSC 形式 ^d RSC type	D _{dp} mm	T mm	D _{te} ^b mm	D mm	d _p mm	L _{pb} mm	L _b mm	D _f mm	W _{dp} kg/m
					/	-12.5%	最大 max	±0.8	+0.4/-0.8	±6.4	±6.4	±0.4	计算的 Calculated
1	2	3	4	5	6	7	8	9	10	11	12	13	14
内外加厚 (IEU) Internal-External Upset (IEU)													
5 1/2	24.70	E	IEU	51/2FH	139.70	10.54	144.5	177.8	101.6	203.20	254.00	170.66	39.19
5 1/2	24.70	X,G	IEU	51/2FH	139.70	10.54	144.5	184.2	88.9	203.20	254.00	170.66	41.32
5 1/2	24.70	S	IEU	51/2FH	139.70	10.54	144.5	190.5	76.2	203.20	254.00	180.18	42.97
6 5/8	25.20	E	IEU	65/8FH	168.28	8.38	176.2	203.2	127.0	203.20	279.40	195.66	41.03
6 5/8	25.20	X	IEU	65/8FH	168.28	8.38	176.2	203.2	127.0	203.20	279.40	195.66	41.03
6 5/8	25.20	G	IEU	65/8FH	168.28	8.38	176.2	209.6	127.0	203.20	279.40	195.66	42.60
6 5/8	25.20	S	IEU	65/8FH	168.28	8.38	176.2	215.9	108.0	203.20	279.40	195.66	44.73
6 5/8	27.70	E	IEU	65/8FH	168.28	9.19	176.2	203.2	127.0	203.20	279.40	195.66	43.79
6 5/8	27.70	X,G	IEU	65/8FH	168.28	9.19	176.2	209.6	120.7	203.20	279.40	195.66	45.35
6 5/8	27.70	S	IEU	65/8FH	168.28	9.19	176.2	215.9	108.0	203.20	279.40	195.66	47.48

注：见图 B1 NOTE: See Figure B 1

a 所示规格标识目的是在订货时识别 Designations are shown for the purpose of identification in ordering.

b D_{te} 保持最大以确保适合吊卡 D_{te} is held to a maximum to ensure fit with elevator

c 这些值已经根据钻杆管体长度 8.96m，且仅提供作为信息。对于其他长度，见 API RP 7G 的计算方法

These values have been on a drill-pipe-body length of 8.96m and are provided for information only. For other lengths, see API RP 7G for the method of calculation.

d RSC 型式指出适用的旋转台肩式连接的尺寸和型式。The RSC type indicates the size and style of the applicable rotary shouldered connection.

If you have any questions to our products please feel free to contact us as following:

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