

API DRILL PIPES

Dimensions

Size designation in	Calculated weight	Tool joint designation	Calculated weight		grade	Wall thickness		Upset ends
			1b/ft	Kg/m		in	mm	
2 3/8	6.65	NC26	6.26	9.32	E.X.G.S	0.28	7.11	EU
2 7/8	10.4	NC31	9.72	14.48	E.X.G.S	0.362	9.19	EU
3 1/2	13.3	NC38	12.31	18.34	E.X.G.S	0.368	9.35	EU
3 1/2	15.5	NC38,NC40	14.63	21.79	E.X.G.S	0.449	11.4	EU
4	14	NC40,NC46	12.93	19.26	E.X.G.S	0.33	8.38	IU,EU
4 1/2	16.6	NC46,NC50	14.98	22.31	E.X.G.S	0.337	8.56	EU,IEU
4 1/2	20	NC46,NC50	18.69	27.84	E.X.G.S	0.43	10.92	EU,IEU
5	19.5	NC50,NC52	17.93	26.71	E.X.G.S	0.362	9.19	IEU
5	25.6	NC50,5 1/2FH	24.03	35.79	E.X.G.S	0.5	12.7	IEU
5 1/2	21.9	5 1/2FH	19.81	29.51	E.X.G.S	0.361	9.17	IEU
5 1/2	24.7	5 1/2FH	22.54	33.57	E.X.G.S	0.415	10.54	IEU
6 5/8	25.2	6 5/8FH	22.19	33	E.X.G.S	0.33	8.387	IEU
6 5/8	27.7	6 5/8FH	24.21	41	E.X.G.S	0.362	9.19	IEU

Mechanical Properties

	Grade	Yield strength				Tensile strength		Elongation
		min		max		min		
		Psi	MPa	Psi	MPa	Psi	MPa	
Pipe body	E75	75000	517	105000	724	100000	689	625000A0.2/ U0.9
	X95	95000	655	125000	862	105000	724	
	G105	105000	724	135000	931	115000	793	
	S135	135000	931	165000	1138	145000	1000	
Weld zone	Tool joint	120000	827.4	-	-	140000	965.3	≥13%
	E75	75000	517	-	-	100000	689	
	X95	88000	609	-	-	103000	712	
	G105	95000	655	-	-	105000	724	
	S135	105000	724	-	-	115000		