

Drill Pipe								
Size designation		Nominal Weight	Calculated weight wpe		Grade	Wall thickness		Upset ends, for weld-on tool joint (see note)
in.	mm		lb/ft	kg/m		in.	mm	
2 3/8	60 2/7	6.65	6.26	9.32	E,X,G,S	0.280	7.11	EU
2 7/8	73	10.40	9.72	14.48	E,X,G,S	0.362	9.19	EU,IU
3 1/2	89	9.50	8.81	13.12	E	0.254	6.45	EU,IU
3 1/2	89	13.3	12.31	18.34	E,X,G,S	0.368	9.35	EU,IU
3 1/2	89	15.50	14.63	21.79	E	0.449	11.4	EU,IU
3 1/2	89	15.5	14.63	21.79	X,G,S	0.449	11.4	EU,IEU
4	101 3/5	14.00	12.93	19.26	E,X,G,S	0.330	8.38	EU,IU
4 1/2	114 2/7	13.75	12.24	18.23	E	0.271	6.88	EU,IU
4 1/2	114 2/7	16.60	14.98	22.31	E,X,G,S	0.337	8.56	EU,IEU
4 1/2	114 2/7	20	18.69	27.84	E,X,G,S	0.43	10.92	EU,IEU
5	127	16.25	14.87	22.15	X,G,S	0.296	7.52	IU
5	127	19.5	17.93	26.71	E	0.362	9.19	IEU
5	127	19.50	17.93	26.71	X,G,S	0.362	9.19	EU,IEU
5	127	25.6	24.03	35.79	E	0.5	12.7	IEU
5	127	25.60	24.03	35.79	X,G,S	0.500	12.7	EU,IEU
5 1/2	139 2/3	21.9	19.81	29.51	E,X,G,S	0.361	9.17	IEU
5 1/2	139 2/3	24.70	22.54	33.57	E,X,G,S	0.415	10.54	IEU

EU-----External Upset
 IU-----Internal Upset
 IEU-----Internal & External Upset

Tolerances on dimensions			
Item		Tolerance	
Pipe body	Outside Diameter	D≤114.3mm±0.79	D≥114.3mm,+0.1 -0.5%
	Wall thickness	-12.50%	
Weight	Single length	+6.5%, -3.5%	
	Truck load lots	-1.75%	

Total length range				
Name	Range	Range 1	Range 2	Range 3
Drill Pipe		5.49~6.71m	8.23~9.14m	11.58~13.72m

Chemical Composition		
Grade	Chemical composition (%)	
	P ≤	S ≤
E-75	0.030	0.030
X-95	0.030	0.030
G-105	0.030	0.030
S-135	0.030	0.030

Mechanical properties							
Grade	Yield strength				Tensile strength		Elongation (%)
	Min.		Max		Min.		
	Psi	Mpa	Psi	Mpa	Psi	Mpa	
E-75	75000	517	105000	724	100000	689	17
X-95	95000	655	125000	862	105000	724	1605
G-105	105000	724	135000	931	115000	793	15
S-135	135000	931	165000	1138	145000	1000	12.5