

Drill Pipe Performance Characteristics Sheet		
Pipe Size	5-1/2" 21.90 IEU	
Pipe Grade	S135	
Range	2	
Tool joint and Connection	7" x 4" x HDS-5 1/2FH(F)	
Pipe Dimensional Data	5-1/2" 21.90 IEU	
OD(in)	5.5	
Wall thickness(in)	0.361	
ID(in)	4.778	
Cross sectional area pipe body(in ²)	5.828	
Cross sectional area OD(in ²)	23.758	
Cross sectional area ID(in ²)	17.93	
Section modulus (in ²)	7.031	
Polar section modulus (in ²)	14.062	
Performance Data		
Torsional Strength(ft-lbs)	91278	
Tensile Strength(lbs)	786811	
80% Torsional Strength(ft-lbs)	73022.4	
Pressure Capacity(psi)	15506	
Collapse Capacity(psi)	12674	
Tool Joint Dimensional Data	7" x 4" x HDS-5 1/2FH(F)	
OD(in)	7	
ID(in)	4	
Pin tong length(in)	12	
Box tong length(in)	14	
Performance Data		
Torsional Strength(ft-lbs)	74272	
Min Recommended Make up Torque(ft-lbs)	40849.6	
Max Recommended Make up Torque(ft-lbs)	48276.8	
Balance OD		
Tensile Strength(lbs)	1244524	
Tool Joint/Pipe torsional ratio(new pipe)	0.813690046	
Tool Joint/Pipe torsional ratio(prem pipe)		
Min. OD for premium class(in)		
HWDP assembly with 6-5/8FH conventional connection		
Adjusted weight(lbs/ft)	2	
Approx. length(ft)	31	
Fluid displacement(gal/ft)	0.395	
Fluid capacity(gal/ft)	0.913	
Drift size(in)	3.875	

