

New Tool Joints and New Drill Pipe

Pipe		Tool Joint						Pipe	Tool Joint	Pipe	Tool Joint	
API Label 1 (Pipe OD) (in)	API Label 2 (Nominal Weight) (lbs/ft)	Grade	Connection Size and Style RSC Type	OD (in)	ID (in)	Make-Up Torque (ft-lbs)	Drift Diameter (in)	Tensile Yield (lbs)	Tensile Yield (lbs)	Torsional Yield Strength (ft-lbs)	Torsional Yield Strength (ft-lbs)	Torsional Ratio
5 1/2	21.90	E	5 1/2 FH	7	4	33,412	3.875	437,116	1,265,800	50,710	55,687	1.10
		X	5 1/2 FH	7	3 3/4	37,742	3.625	553,681	1,448,400	64,233	62,903	0.98
		X	TSDS 55	7	3 3/4	58,830	3.625	553,681	1,629,400	64,233	98,060	1.53
		X	PTech55+	6 3/4	3 3/4	57,800	3.625	553,681	1,571,600	64,233	96,300	1.50
		X	PTech59+	7	4 1/4	59,900	4.125	553,681	1,528,900	64,233	99,900	1.56
		G	5 1/2 FH	7 1/8	4	33,412	3.875	611,963	1,265,800	70,994	55,687	0.78
		G	TSDS 55	7 1/8	4	49,490	3.875	611,963	1,424,000	70,994	82,480	1.16
		G	PTech55+	6 3/4	4	53,000	3.875	611,963	1,366,200	70,994	88,300	1.24
		G	PTech59+	7	4 1/4	59,900	4.125	611,963	1,528,900	70,994	99,900	1.41
		S	5 1/2 FH	7 1/8	4	33,412	3.875	786,809	1,265,800	91,278	55,687	0.61
		S	TSDS 55	7 1/8	4	49,490	3.875	786,809	1,424,000	91,278	82,480	0.90
		S	PTech55+	6 3/4	4	53,000	3.875	786,809	1,366,200	91,278	88,300	0.97
	S	PTech59+	7	4 1/4	59,900	4.125	786,809	1,528,900	91,278	99,900	1.09	
	24.70	E	5 1/2 FH	7	4	33,412	3.875	497,222	1,265,800	56,574	55,687	0.98
		X	5 1/2 FH	7	3 3/4	37,742	3.625	629,814	1,448,400	71,660	62,903	0.88
		X	TSDS 55	7	3 3/4	58,830	3.625	629,814	1,629,400	71,660	98,060	1.37
		X	PTech55+	6 3/4	3 3/4	57,800	3.625	629,814	1,571,600	71,660	96,300	1.34
		X	PTech59+	7	4 1/4	59,900	4.125	629,814	1,528,900	71,660	99,900	1.39
		G	5 1/2 FH	7 1/8	4	33,412	3.875	696,111	1,265,800	79,204	55,687	0.70
		G	TSDS 55	7 1/8	4	49,490	3.875	696,111	1,424,000	79,204	82,480	1.04
		G	PTech55+	6 3/4	4	53,000	3.875	696,111	1,366,200	79,204	88,300	1.11
		G	PTech59+	7	4 1/4	59,900	4.125	696,111	1,528,900	79,204	99,900	1.26
S		5 1/2 FH	7 1/8	4	33,412	3.875	894,999	1,265,800	101,833	55,687	0.55	
S		TSDS 55	7 1/8	4	49,490	3.875	894,999	1,424,000	101,833	82,480	0.81	
S		PTech55+	6 3/4	4	53,000	3.875	894,999	1,366,200	101,833	88,300	0.87	
S	PTech59+	7	4	65,300	3.875	894,999	1,747,600	101,833	108,800	1.07		

The torsional yield strength is based on a shear strength of 57.7% of the minimum yield strength and nominal wall thickness.

TSDS and Ptech+ Values based on 135Ksi Material Yield Strength. API NC Values based on 120Ksi Material Yield Strength.

Pin tensile yield values are based on tensile loading conditions only, and do not include the combined effect of torsional and tensile loading.