

DRILL PIPE PERFORMANCE DATA SHEET

IMPERIAL UNIT

5 19.50 lb/ft IEU G105 Pipe Size & Weight: Pipe Grade: Range:

6.625 X 3.25 NC50 Tool Joint:

Pipe Size NEW NEW	DRILL PIPE DIMENSIONS & MATERIALS			DRILL PIPE WEAR & MECHANICAL PERFORMANCES	ANCES		
Pipe size In 5_15.0_lb/ft_IEU	PIPE		NEW	Edid	_	NEW	PREMIUM
Ody Material Pipe Grade G105 Wall Thickness in 0.362 Pipe Length Range 2 or 3 2 2 2 2 2.708 Pipe Length Range 2 or 3 10 in 4.276 Polar Sectional Area Pipe Body in Cu 5.708 Pipe Length Range 2 or 3 10 in Sq 13.635 Exction Modulus in Cu 5.708 Cross Sectional Area ID in Sq 13.635 Exction Modulus in Cu 11.415 Cross Sectional Area ID in Sq 14.360 Polar Section Modulus in Cu 55.7633 Cross Sectional Area ID in Sq 14.360 Polar Section Modulus in Cu 11.415 Cross Sectional Area ID in Sq 14.360 Polar Section Modulus in Cu 55.383 Cross Sectional Area ID in Sq 46.107 In Area Modulus in Cu 12.083 Cross Sectional Area ID in Sq 46.107 Internal Pressure Capacity in Cu 12.993 Material Yield Strength in Sq 46.107 Area Modulus Area Modulu	Pipe size		5_19.50_lb/ft_lEU		ni S	000	4 855
Ownection Type NCSO Cross Sectional Area Pipe Body in Sq 5.275 Pipe Length Range 2 or 3 2 2 Section Modulus in Cu 5.708 Pipe Length Range 2 or 3 12.06 Polas Sectional Area Ob in Sq 11.415 11.415 Cross Sectional Area Ob in Sq 19.635 Cross Sectional Area Ob in Sq 14.360 11.415 Cross Sectional Area Ob in Sq 14.360 Inhama 14.360 11.415 Cross Sectional Area Ob in Sq 14.360 Inhama 11.415 57.633 Cross Sectional Area Ob in Sq 12.00 Inhama 12.00 Inhama 11.415 57.633 Cross Sectional Area ID in Sq 12.00 Inhama 12.00	Pipe Grade		G105			.362	0.290
Pripe Length Range 2 or 3 2 2 2 2 2 2 2 2 2	Pipe Body Material Yield Strength		105,000			.275	4.154
D In 4,276 Polar Section Modulus In Cu 11,415	Pipe Length Range 2 or 3		2			.708	4.476
Total Strength Ds/ft 17.932 Tensile Strength Ds/ft	Ω		4.276			1.415	8.953
Torsional Strength Rule St	Calculated Plain End Weight		17.932			3,833	436,150
Connection Type NC50	Cross Sectional Area OD		19.635			7,633	45,199
Connection Type	Cross Sectional Area ID		14.360			6,107	36,160
Connection Type NC50 Collapse Capacity psi 12,999 Material Yield Strength ksi 120 Tool Joint / Pipe Body Torsional Ratio 0.897 OD in 6.625 12.000 in 6.625 Pin Tong Length in 9.000 in 6.625 Box Tong Length in 3.250 12.49,755 Pin Shoulder Length ft 33.50 12.49,755 Shoulder-Shoulder Length ft 31.00 12.49,755 Shoulder-Shoulder Length ft 31.00 12.293 Closed End Dsplacement gal/ft 1.064 22.93 Closed End Dsplacement gal/ft 0.350 10.350 Open End Dsplacement gal/ft 0,714 2.293 Open End Dsplacement gal/ft 0,714 2.590 Pirit Gapacity gal/ft 0,714 2.590 Pirit Gapacity gal/ft 0,714 2.590 Pirit Size in 3.125	TINDI IOOT					3,304	12,163
Connection Type NC50 Tool Joint / Pipe Body Torsional Ratio 0.897 Material Yield Strength ksi 120 Tool Joint / Pipe Body Torsional Ratio 0.897 In 6.625 Tool Joint / Pipe Body Torsional Ratio 0.897 0.897 Pin Tong Length in 3.250 in 6.625 Pin Tong Length in 12.000 in 6.625 Pin Tong Length in 3.250 1.249,755 Provider-Shoulder-Length ft 31.000 1.249,755 Shoulder-Shoulder-Length ft 31.000 1.249,755 Adjusted Weight lbs/ft 22.93 31,000 Closed End Dsplacement gal/ft 1.064 1.064 Open End Displacement gal/ft 0.714 2.293 Purif Size in 6.389 Purif Size in 6.389	LOCTORIA					666 2	8 765
Material Yield Strength ksi 120 Tool Joint / Pipe Body Torsional Ratio 0.897 OD in 6.625 TOOL JOINT 0.897 Pin Tong Length in 9.000 in 6.625 Pin Tong Length in 12.000 in 6.625 Pin Shoulder Length in 12.000 in 6.625 Shoulder-Shoulder Length ft 31.00 Adjusted Weight 12.49,755 Adjusted Weight lbs/ft 22.93 Max Recommended Make-up Torque ft-lbs 31,000 Adjusted Weight lbs/ft 22.93 31,000 6.389 25,900 Closed End Dsiplacement gal/ft 0.714 0.714 0.714 0.714 0.714 0.714 Pulid Capacity gal/ft size in 3.125 0.714 0.714 0.714 0.714 0.714 0.714 0.714 0.714 0.714 0.714 0.714 0.714 0.714 0.714 0.714 0.714 0.714 0.714 0.714 <	Connection Type		NC50				20.16
Di 10 10 10 10 10 10 10 1	Material Yield Strength		120	Tool Joint / Pine Body Torsional Ratio	-	907	002.0
D in 3.250	QO		6.625			160.	0.733
Pin Tong Length in 9,000 in 6,625 Box Tong Length in 12,000 Pin shoulder Angle deg 35 Shoulder-Shoulder Length ft-lbs 1,249,755 Shoulder-Shoulder Length ft-lbs 1,249,755 Shoulder-Shoulder Length ft-lbs 1,249,755 Shoulder-Shoulder Length ft-lbs 1,004 Closed End Dsplacement gal/ft 1,064 Closed End Dsplacement gal/ft 0,350 Fluid Capacity gal/ft 0,714 Driff Size in 3,125 Driff Size in 3,125 Driff Size in 1,000 Driff Size i		ï	3.250	TOOLIOINT			
Box Tong Length in 12.000 in 3.250	Pin Tong Length		9.000		4	625	F 00.4
Pin shoulder Angle deg 35 Tensile Strength Ibs 1,249,755 Shoulder-Shoulder Length ft-lbs 1,249,755 1,249,755 1,249,755 Shoulder-Shoulder Length ft-lbs 31,000 1,249,755 1,708 Adjusted Weight lbs/ft 22,93 1,200 1,000 Closed End Dsplacement gal/ft 1,064 1,064 1,064 Open End Displacement gal/ft 0,350 0,380 0,389 Fluid Capacity gal/ft 0,714 0,714 0,714 0,714 Poriff Size in 3,125 1,22 1,23 1,23	Box Tong Length		12.000			250	450.0
Shoulder-Shoulder Length ft. 31.00 Shoulder-Shoulder Length ft. 31.00 Adjusted Weight lbs/ft 22.93 Closed End Dsplacement gal/ft 1.064 Open End Displacement gal/ft 0.350 Fluid Capacity gal/ft 0.714 Driff Size in 3.125	Pin shoulder Angle		35			.230 A9 755	1 240 755
Shoulder-Shoulder Length ft 31.00 And Recommended Make-up Torque ft-lbs 36,200 Adjusted Weight lbs/ft 22.93 Closed End Dsplacement gal/ft 0.350 Open End Displacement gal/ft 0.714 Pivid Capacity gal/ft 0.714 Driff Size in 3.125						708	36 124
1.00 1.004						5,200	25,300
bs/ft 22.93 1.064 22.93 25,900	Shoulder-Shoulder Length		31.00	Recommended Make-up Torque		000	21,700
gal/ft 1.064 gal/ft 0.350 gal/ft 0.714 in 3.125	Adjusted Weight		22.93	Min Recommended Make-up Torque		006'5	18,100
gal/ft 0.350 Weak Connection PIN WEAK gal/ft 0.714 Constitution PIN WEAK in 3.125	Closed End Usplacement		1.064	Balanced OD		.389	6.094
8al/ft 0.714 5.7 5.7 7.7 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	Open End Displacement			0.	PIN	WEAK	BOX WEAK
in 3.125 人。	Fluid Capacity			-14			
	Drift Size			明			

Datasheet for Reference Only
All new and premium properties are calculated based on nominal in accordance to API.
Torque performances calculated with coefficient of friction 0.08.

API recommends a torsional ratio of 0.8 or greater.

The use of the information is at reader's discretion and no warranty is implied or expressed by DP-Master with the use of information contained herein.

The information in this publication is subjected to change without notice, please contact DP-Master for the latest publication.

WALLTY BEPAR

(