



ERADS-DTA-412BTC13.5L80N80
REV2.0
DATE: 26/09/23

ERA TorQ

4 1/2 BTC 13.5ppf L80 / N80

Pipe

Plain End Weight	Wall Thickness	Inside Diameter	Drift Diameter	Pipe grade	Body Yield Strength	Internal Yield	Collapse Pressure
Lbs/Ft	Inches	Inches	Inches		Lb	PSI	PSI
13.50	0.290	3.920	3.795	L80 / N80	307,000	9,020	8,540

Connection

Coupling Outside Diameter	REGULAR Coupling Length	REGULAR Make-up Loss	ERA TorQ ring height	ERA TorQ ring OD	ERA TorQ ring ID
Standard					
Inches	Inches	Inches	Inches	Inches	Inches
5.000	8.875	3.938	0.921	4.300	3.920

Torque

FT LBS APPLIED	Min Make up	MAX NO TORQUE TURN	MAX WITH TORQUE TURN
PIN / RING CONTACT	4,500	4,500	4,500
DELTA TORQUE	3268	6,536	8,170
Total	7,768	11,036	12,670

Note 1: For maximum field efficiency ensure that TT computer monitoring is used if maximum torque figure is required. Note 2: Delta torque yield point of torque ring is 16,340 ftlbs. This means that the torque ring will collapse if you apply 16,340 ftlbs of Delta torque into the torque ring itself, excluding your pin / ring contact torque with triangle down.

For further information on field application parameters please contact:
 ERA Oilfield Service (Thailand) Co Ltd., 66/69 Moo 4, Soi 17, Phayun, Ban Chang, Rayong, Thailand 21130.
 Tel: +66 8 4345 8730 Email: jim.reid@eraoilfieldservices.com