



**TECHNOLOGY FOR OIL & GAS INDUSTRY**

powered by **DUXAOIL**

***PC Pump Sucker Rod***

# Traditional Sucker Rod

[www.duxatech.com](http://www.duxatech.com)

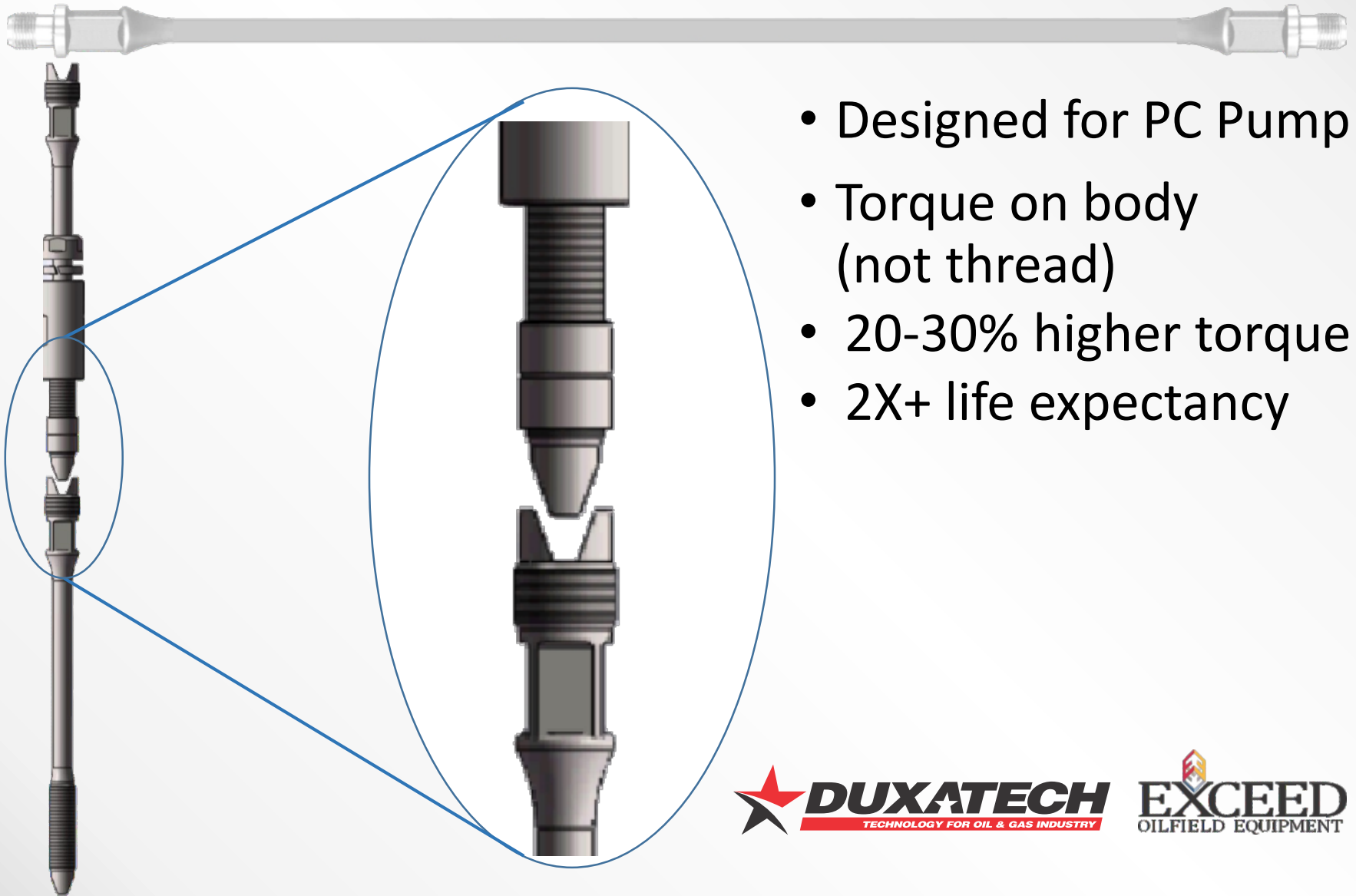


- Designed for beam pump
- Torque stress on thread
- Trip / break when pump starts
- Slip / part when pump stops (backspin)



# EHT (Exceed High-Strength Torque)

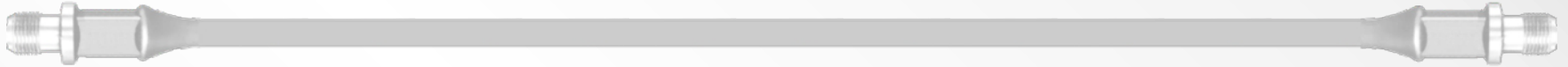
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- Designed for PC Pump
- Torque on body (not thread)
- 20-30% higher torque
- 2X+ life expectancy

# Max Torque Value Comparison

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Rod	7/8"	1"	1-1/8"	1-1/4"	1-1/2"
EHT Exceed High-Strength Torque	1700	2050	3900	5300	6300
Norris 97		1627		3389	5094

# EHT Body

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- Special heat-treatment process
- 10% martensitized surface layer
- Higher torque
- Anti-plastic deformation and shear
- Soft-core allows flexibility



# EHT Case Study

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Before switched to 7/8" EHT, customer experienced frequent rod failures using 1" conventional sucker rod. On average the rod need to be replaced every 6 months due to failure. After switched to EHT, this well has not experienced any rod failure in 2 years.

Well Name:	PS-2735
PC Pump:	GLB300
Pump Depth:	951.05m
Rotor Speed:	100 rpm
Product Rate:	22 T/day

	Original Configuration	EHT Configuration
Rod Size:	1"	7/8"
Rod Weight:	4083.04 kg	3103.36kg
Generator:	22KW/20A	15KW/11A