

Comparison test of I-R LIGHTNING GUN , DP 5000 TI 20 - 25 bar

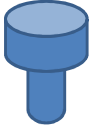
2 nd Test

Torque Test with 1/2 Gas Pressure Lane (minimum Inner dia. 10mm)

Test Conditions 1"1/2 UNC Screw L.120 Exagon SW 60,3 On SKIDMORE Load Cell 70000 Kg

Bolt size

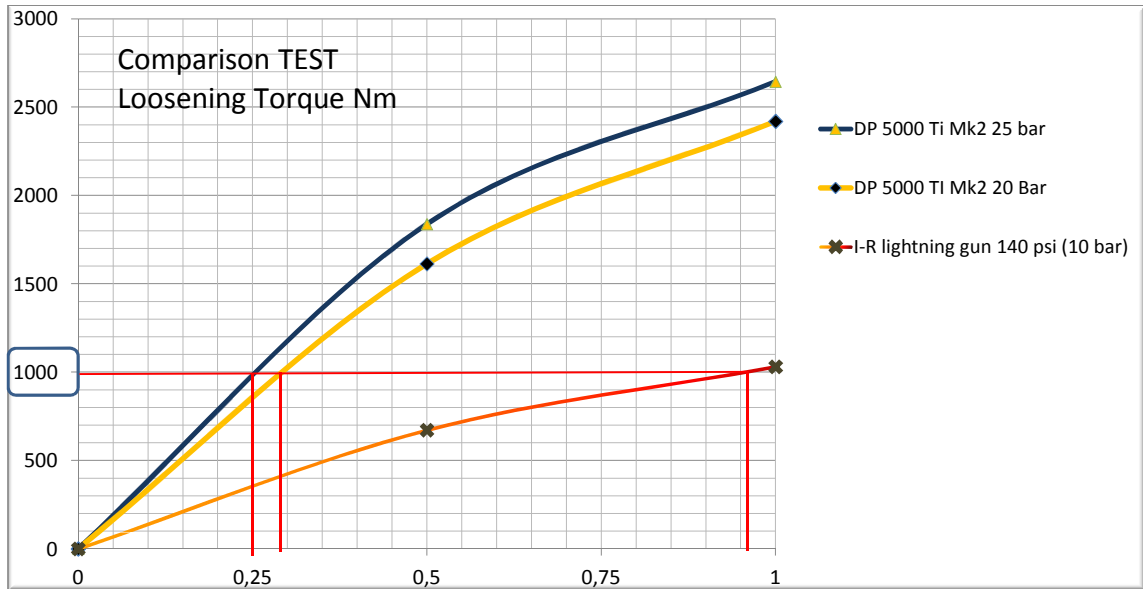
2"3/8 (60,325)



1 "1/2 UNC
(38,1)

Time (sec)	DP5000 TI MK 2		DP5000 TI MK 2		I-R LIGHTNING GUN	
	20 Bar		25 Bar		Tightening	Loosening
	Tightening	Loosening	Tightening	Loosening		
0	0,00	0,00	0,00	0,00	0,00	0,00
0,5	0,00	1613,00	0,00	1837,03	0,00	672,08
1	0,00	2419,50	0,00	2643,53	0,00	1030,53

Loosening Torque



Notes

The graphic above shows three torque curves corresponding respectively to the following guns : DP5000 TI Mk 2 - 20 BAR, DP5000 TI 25 BAR, I-RLightning gun Gun (10 bar). All in loosening direction. Assuming a nut tightened at 1000 Nm, you can see that the DP 5000 TI loosens this torque in **0,29 s (or 0.25s at 25 bar)**, while the I-R Lightning Gun in **0.92 s**.