



The New Master 35® Impact Wrench

The New Master 35® Impact Wrench has the same reliable, high quality impact mechanism and gear box which has been used during the past thirty years and is now driven by a more powerful engine which complies with EUR5 and EPA3 low emission Standards.

Dimensions	Length = 600mm	Height = 284mm	Width = 452mm
Engine	Two stroke/cycle Special Airtec EMAK 63.4 c.c. complying with EUR5 and EPA3 Standards POWER		
Power	4.70 HP	3.5k W	
Fastener Type	Bolt	16-32mm diameter	
	Rectangular	All sizes	
	Hexagon	Up to 83mm	
Noise Levels	Operation levels based on ISO3744		
	Acoustic Pressure (Lpa) 101.7 dBA		
	Power (LWA) 114.8 dBA		
	Always wear ear protection		
Square Drive	Standard 1"		
Torque Range	500 – 2,500Nm approximately. It is possible to generate higher torques under special conditions. The Master will loosen any screwed fastener previously tightened by any other Petrol/Gas Driven Impact Wrench		
Vibration Exposure	Vibration exposure is more important than vibration e.g. a low vibration machine which takes a long time to perform a task generates higher vibration exposure than a higher vibration machine which performs a task much more quickly.		

The following data is based on practical on track testing carried out in the UK in February 2020

Fishplates / Joint Bar Nuts – 2.24 seconds			AV		AV
	Vibration	Trigger Time Minutes	No of Fasteners	Trigger Time Minutes	No of Fasteners
Tightening	12.28m/s ²	20	533	80	2133
Loosening	11.05m/s ²	25	667	98	2613

Chairscrews / Lagscrews – 2.5 seconds			AV		AV
	Vibration	Trigger Time Minutes	No of Fasteners	Trigger Time Minutes	No of Fasteners
Tightening	11.90m/s ²	21	504	85	2040
Loosening	14.72m/s ²	14	336	55	1320

Weight	17.9 Kgs				
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