

PROVEN RELIABILITY

The **NEW** Master 35® Impact Wrench is powered by a New Generation low emission 63.4 c.c. Engine complying with EUR5 and EPA3 Standards which is a significant step towards de-carbonisation.

Because of its increased power the **NEW** Master 35 Impact Wrench will remove/fit most Chairscrews and Fishplate Nuts in under three seconds and using our Safety Quick Release Auger Attachment drill holes in Wooden Sleepers.

It is easily carried by one person, is operator friendly, can be used safely in all weather conditions, has good balance, easy to repair and because it is so fast reduces the potential harm of vibration exposure.

Use the Master 35 Impact Wrench mounted onto our Tool Carrier and reduce vibration by over 30%.

Impact Wrenches, Tool Carriers, Spare Parts and Accessories are available from stock held by our partner Distributors throughout the World.



- LOWER** WEIGHT
- INCREASED** POWER
- FASTER** OPERATION
- LOW** VIBRATION EXPOSURE
- LOW** EXHAUST EMISSION LEVELS
- LOW** MAINTENANCE COST

ACCESSORIES

See reverse side of this leaflet

TECHNICAL SPECIFICATION

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	3.4 HP 2.6 kW @ 7800rpm		
FASTENER TYPE	Bolt	16 to 32mm diameter	
	Rectangular	all sizes	
	Hexagon	Up to 83mm	
	Square/Bi-Square	Up to 67mm	
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.					
Reduce vibration by fitting the Master 35 to our Tool Carrier					
Fishplates/Joint Bar Nuts – 2.25 seconds					
		AV		LV	
	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		LV	
	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				

MASTER 35® ACCESSORIES

Part No.	Description		
	Master 35 Tool Carrier		
1750.0100	Standard Gauge		
1750.0090	Narrow Gauge		
1750.9999	Broad Gauge		
2801.7550	Master 35 Tool Carrier Accessory Vertical for Chairscrews		
2801.7560	Master 35 Tool Carrier Accessory Horizontal for Fishplate Nuts		
BOX	Metal Carrying Box with hinged lid and rubber strips on base		
AUG	Augering Attachment Quick Release – 9mm Hex European		
	Auger Bits Scotch Nose Premium 245mm long		
S10	10mm dia	S13	13mm dia
S16	16mm dia	S17	17mm dia
S18	18mm dia	S19	19mm dia
S22	22mm dia		
GEISAUG	Augering Attachment Quick Release - Graffenstaden Auger Bits		
	Auger Bits Graffenstaden Shank		
14G	14mm	16G	16mm dia
18G	18mm		
	Impact Sockets 1" Square Drive		
454	28 x 21mm Rectangular Standard	454D	28 x 21mm Rectangular Deep
454S	28 x 21mm Rectangular Thin Wall	511	24 x 20 Rectangular
537	19mm Square	478	20mm Square
463/1	21mm Square	453	22mm Square
455	23mm Square	462	24mm Square
508	25mm Square	561	26mm Square
562	28mm Square		
496	30mm Hex	712	30mm Hex Deep
447	32mm Hex	495	32mm Hex Deep
450	36mm Hex	466	36mm Hex Deep
451	38mm Hex	465	38mm Hex Deep
456	39mm Hex	457	39mm Hex Deep
452	41mm Hex	458	41mm Hex Deep
449	42mm Hex	470	42mm Hex Deep
448	46mm Hex	459	46mm Hex Deep
SPADAP	Adaptor 1" Female to 23mm Square Quick Release		
	Quick Release Sockets 23mm Square Drive		
7821SQSP	21mm Square	7823SP	23mm Square
7836SP	36mm Hex	7838SP	38mm Hex
7841SP	41mm Hex	782420SP	24 x 20mm Rectangular
782128SP	28 x 21mm Rectangular	782530SPBUT	35 x 23mm Rectangular
	Extensions 1" Square Drive		
414	150mm long	407	200mm long
408	250mm long	409	300mm long
406	Universal Joint 1" Square Drive		
301	Rubber Ring	299	Steel Pin 49mm long
299/1	Steel Pin 57mm long	299/2	Steel Pin 67mm long
NOGO	Master 35® No Go Gauge		

Please contact us if the Accessory you need is not listed and we will supply it



For a free demonstration, quotation or more information on any of our products please contact :-