

## PROVEN RELIABILITY

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 powered by a more powerful Engine which complies with EUR5 and EPA3 low emission Standards.

Because of its increased power and high engineering specification it will remove/fit most Chairscrews and Fishplate Nuts in under three seconds and using one of our Safety Quick Release Auger Attachment drill holes in Wooden Sleepers. It is easily carried by one person, operator friendly, has good balance, easy to repair and because it is so fast reduces the potential harm of vibration exposure especially when fitted to our Tool Carrier.

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

<b>DIMENSIONS</b>	Length 600mm	Height 284mm	Width 452mm
<b>ENGINE</b>	Two stroke/cycle Special Airtec EMAK 63.4 c.c. complying with EUR5 and EPA3 Standards		
<b>POWER</b>	3.4 HP 2.6 kW @ 7800rpm		
<b>FASTENER TYPE</b>	Bolt	16 to 32mm diameter	
	Rectangular	all sizes	
	Hexagon	Up to 83mm	
	Square/Bi-Square	Up to 67mm	
<b>NOISE LEVELS</b>	Operation levels based on ISO3744 Acoustic Pressure (LpA) 101.7 dBA Power (LWA) 114.8 dBA <b>Always wear ear protection</b>		
<b>SQUARE DRIVE</b>	Standard 1"		
<b>TORQUE RANGE</b>	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.		

<b>VIBRATION EXPOSURE</b>					
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.					
<b>Fishplates/Joint Bar Nuts – 2.25 seconds</b>					
		AV		LV	
	Vibration	Trigger Time Minutes	No of Fasteners	Trigger Time Minutes	No of Fasteners
<b>Tightening</b>	12.28m/s <sup>2</sup>	20	533	80	2133
<b>Loosening</b>	11.05m/s <sup>2</sup>	25	667	98	2613
<b>Chairscrews/Lagscrews – 2.5 seconds</b>					
		AV		LV	
	Vibration	Trigger Time Minutes	No of Fasteners	Trigger Time Minutes	No of Fasteners
<b>Tightening</b>	11.90m/s <sup>2</sup>	21	504	85	2040
<b>Loosening</b>	14.72m/s <sup>2</sup>	14	336	55	1320
<b>WEIGHT</b>	17.9 Kgs				

# MASTER 35® ACCESSORIES

Part No.	Description		
	<b>Master 35 Tool Carrier</b>		
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		
<b>BOX</b>	<b>Metal Carrying Box with hinged lid and rubber strips on base</b>		
<b>AUG</b>	<b>Augering Attachment Quick Release – 9mm Hex European</b>		
	<b>Auger Bits Scotch Nose Premium 245mm long</b>		
S10	10mm dia	S13	13mm dia
S16	16mm dia	S17	17mm dia
S18	18mm dia	S19	19mm dia
S22	22mm dia		
<b>GEISAUG</b>	<b>Augering Attachment Quick Release - Graffenstaden Auger Bits</b>		
	<b>Auger Bits Graffenstaden Shank</b>		
14G	14mm	16G	16mm dia
18G	18mm		
	<b>Impact Sockets ¾" Square Drive</b>		
510	1" Bi-Square Deep		
	<b>Impact Sockets 1" Square Drive</b>		
454	28 x 21mm Rectangular Standard	454D	28 x 21mm Rectangular Deep
454S	28 x 21mm Rectangular Thin Wall	511	24 x 20 Rectangular
446	¾" Bi-Square	483	1 5/8" Bi-Square
424	25.4mm Bi-Square	426	32mm Bi-Square
423	36.5mm Bi-Square	419	40mm Bi-Square
<b>SPADAP</b>	<b>Adaptor 1" Female to 23mm Square Quick Release</b>		
	<b>Quick Release Sockets 23mm Square Drive</b>		<b>Bi-Square</b>
7825STU	25.4mm	7836.5	36.5mm
7840BSTU	40mm		
	<b>Extensions 1" Square Drive</b>		
414	150mm long	407	200mm long
408	250mm long	409	300mm long
406	<b>Universal Joint 1" Square Drive</b>		
301	<b>Rubber Ring</b>	299	<b>Steel Pin 49mm long</b>
299/1	<b>Steel Pin 57mm long</b>	299/2	<b>Steel Pin 67mm long</b>
<b>NOGO</b>	<b>Master 35® No Go Gauge</b>		

*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 :-