

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 Lagscrews and Joint Bar Nuts in under three seconds and using our Safety Quick Release Auger Attachment drill holes in Wooden Ties.

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 23 5/8"	Height 11"	Width 17 3/4"
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	5/8" to 1 1/4" diameter	
	Rectangular	all sizes	
	Hexagon	Up to 3 1/4"	
NOISE LEVELS	Square/Bi-Square	Up to 2 1/4"	
	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	350 – 1850 ft/lbs 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	39 1/2 lbs				

MASTER 35® ACCESSORIES

Part No.	Description
	Master 35 Tool Carrier
1750.0100	Standard Gauge
1750.0100BV	Standard Gauge Bridge Version
2801.7550	Master 35 Tool Carrier Accessory Vertical for Lag Screws
2801.7560	Master 35 Tool Carrier Accessory Horizontal for Joint Bar Nuts

Please Note : Narrow and Broad Gauge Track versions also available

BOX	Metal Carrying Box with hinged lid and rubber strips on base
AUGAM	Augering Attachment Quick Release – 7/16" Hex American

Impact Sockets 1" Square Drive Bi-Square 4" long 8 point

	Parallel			Tapered
559	¾"		559T	¾"
430	7/8"		430T	7/8"
425	1"		425T	1"
519	1 1/8"		519T	1 1/8"
518	1 3/16"		518T	1 3/16"
433	1 ¼"		433T	1 ¼"
429	1 5/16"		429T	1 5/16"
524	1 3/8"		524T	1 3/8"
440	1 7/16"		440T	1 7/16"
431	1 ½"		431T	1 ½"
432	1 5/8"		432T	1 5/8"
434	1 11/16"		434T	1 11/16"
437	1 7/8"		437T	1 7/8"
435	1 ¾"		435T	1 ¾"
436	1 13/16"		436T	1 13/16"
427	2"		427T	2"
522	2 1/8"		522T	2 1/8"
442	2 3/16"		442T	2 3/16"
428	2 ¼"		428T	2 ¼"
486	2 3/16" Hex			

Impact Sockets 1" Square Drive Square 4" long 4 point

	Parallel
485SQ	15/16"
430SQ	7/8"
425SQ	1"
519SQ	1 1/8"

Quick Release Sockets 7/8" Square Drive 2 ¼" long

7878SQSP	7/8" Square	781516SQSP	15/16" Square
781SQSP	1" Square	78118BSSQ	1 1/8" Bi-Square
782128SP	1 1/16" x 13/16" Rectangular		

Extensions 1" Square Drive

414	6"	407	8"
408	10"	409	12"

406 Universal Joint 1" Square Drive

301	Rubber Ring	299	Steel Pin 1 7/8"
299/1	Steel Pin 2 ¼"	299/2	Steel Pin 2 5/8"

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 :-

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