

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

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



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|-----------|-------------------------|
| 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	4.70HP	3.5kW	
FASTENER TYPE	Bolt	5/8" to 1 1/4" diameter	
	Rectangular	all sizes	
	Hexagon	Up to 3 1/4"	
	Square/Bi-Square	Up to 2 1/4"	
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	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.					
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/s2	20	533	80	2133
Loosening	11.05m/s2	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/s2	21	504	85	2040
Loosening	14.72m/s2	14	336	55	1320
WEIGHT		39 1/2 lbs			

MASTER 35® ACCESSORIES

Part No.	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 up to S/No. ATE20 A105
2801.7565	Master 35 Tool Carrier Accessory Vertical for Lag Screws from S/No. MA20 A001
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"
715	13/16"			430T	7/8"
430	7/8"			425T	1"
485	15/16"			519T	1 1/8"
425	1"			518T	1 3/16"
519	1 1/8"			433T	1 ¼"
518	1 3/16"			429T	1 5/16"
433	1 ¼"			524T	1 3/8"
429	1 5/16"			440T	1 7/16"
524	1 3/8"			431T	1 ½"
440	1 7/16"			441T	1 9/16"
431	1 ½"			432T	1 5/8"
441	1 9/16"			434T	1 11/16"
432	1 5/8"			437T	1 7/8"
434	1 11/16"			435T	1 ¾"
437	1 7/8"			436T	1 13/16"
435	1 ¾"			427T	2"
436	1 13/16"			522T	2 1/8"
438	1 15/16"			442T	2 3/16"
427	2"			428T	2 ¼"
521	2 1/16"			722T	2 3/8"
522	2 1/8"				
442	2 3/16"				
428	2 ¼"				
439	2 5/16"				
421	2 ½"				
443	2 5/8"				
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"

Impact Sockets 1" Square Drive			
454	1 1/16" x 13/16" Rectangular	511	31/32" x 25/32" Rectangular Standard
454S	1 1/16" x 13/16" Rectangular Thin Wall	454D	1 1/16" x 13/16" Rectangular Deep
454/2BUT	1 1/16" x 13/16" Rectangular Butterfly	454/2DBUT	1 1/16" x 13/16" Rectangular Butterfly Deep

Quick Release Sockets 7/8" Square Drive 2 ¾" 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	7811516BSSP	1 15/16" Bi-Square
782128SBUT	1 1/16" x 13/16" Rectangular Butterfly	7811116BSSP	1 11/16" Bi-Square
782428SP	1 1/16" X 31/32" Rectangular		

Quick Release Sockets 7/8" Square Drive 4" long			
781.516BDSP	1 5/16" Bi-Square		

Extensions 1" Square Drive			
414	6"	407	8"
408	10"	409	12"

406 Universal Joint 1" Square Drive			
301	Rubber Ring		Steel Pin
		299	1 7/8"
		299/1	2 ¼"
		299/2	2 5/8"

NOGO Master 35® No Go Gauge	
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We manufacture many other special sizes and shapes. Please send us your enquiry