

PETROL IMPACT WRENCH (MADE IN EUROPE)



MODEL NO. MASTER35



The Airtec MASTER35 is a high quality 2 stroke petrol engine powered 1" square drive impact wrench, primarily used for railway line construction and maintenance. It is lightweight, easily carried by one person, operator friendly ergonomic design, comfortable to use, has good balance and because it is so fast, reduces the potential harm of vibration exposure. Used for replacing and fitting screw spikes and fishplate nuts; drilling holes in wooden sleepers (converts to Wooden Sleeper Drilling machine with optional Quick Release Safety Auger Attachment). The MASTER35 is fitted standard with anti-vibration bushes and roll bar to reduce fatigue and injuries to the operator.

FEATURES

- Fast & powerful (Loosen/Tighten in under 7 seconds)
- Lightweight
- Low level vibration exposure
- Ergonomic design – well balanced
- Range of railway quality accessories available
- Roll bar to reduce vibration, protect throttle and provides foot rest for starting
- Low fuel consumption and emission
- Reliable and low maintenance
- Converts to Wooden Sleeper/Tie Drill with attachment

SPECIFICATIONS

Model No.	Power	Engine (cc)	Square Drive (mm)	Bolt Capacity (mm)	Torque Range (Nm)	Dimensions (mm)	Unit Wt (kg)
MASTER35	Petrol 2-Stroke	Emak 56.5	24.5 (1")	16-32	500-1800 (5 adjustable settings)	570 x 280 x 445 LxHxW	18.3

ACCESSORIES

MODEL NO. MASTER35BOX



Model No.	Description
MASTER35BOX	Carry Case – Steel

ENGINE TECHNICAL INFORMATION

- Two stroke/cycle Special
- Airtec EMAK 056 56.5 c.c.
- Maximum free speed 12,000 R.P.M.
- Power 3.1KW
- Fuel tank capacity 0.7 litres
- Running time on full tank of fuel 60 Minutes

Fuel Mixture Ratios

Petrol Unleaded minimum 90 Octane and two-stroke

Mix Oil	Ratio	Millilitres Per Litre
Mineral	25:1	40
Synthetic	50:1	20

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Qty	Model No.	Description
1	550E	Wood Auger Attachment European 9mm Hex
2	19DP	19mm Hardwood Auger Bits Premium Quality 9mm Hex
1	452	41mm A/F Hex x 1" Square Drive Impact Socket
1	449	42mm A/F Hex x 1" Square Drive Impact Socket
1	470	42mm A/F Hex x 1" Square Drive Deep Impact Socket
1	495	32mm A/F Hex x 1" Square Drive Deep Impact Socket
1	450	36mm A/F Hex x 1" Square Drive Impact Socket
1	451	38mm A/F Hex x 1" Square Drive Impact Socket
1	462	24mm Square x 1" Square Drive Impact Socket
1	454	28mm x 21mm Rectangular x 1" Square Drive Impact Socket
2	MS50	50mm Retaining Clip
2	MS60	60mm Retaining Clip
2	MS70	70mm Retaining Clip
1	407	200mm x 1" Square Drive Extension
1	409	305mm x 1" Square Drive Extension



UNIVERSAL JOINT 1" SQ. DRIVE

Model No.	Description
406	Universal Joint

QUICK RELEASE CHUCKS

Model No.	Hex Open	Square Drive (")	OAL (mm)	Body Diameter (mm)	Sleeve Diameter (mm)	Opening Depth (mm)
2403	7/16"	1/2	54	28	31	38
QR-720	5/8"	3/4	79	38	41	38
550E	9mm	1	90	55	37	55
550A	7/16"	1	90	55	37	55
QR-820	5/8"	1	83	54	41	38

For More Accessories - Refer Next Page



IMPACT WRENCH (MADE IN EUROPE)



IMPACT SOCKETS 1" SQUARE DRIVE

Metric		
Standard Length Model No.	Long Type Model No.	Size Metric (mm)
537	-	19
478	-	20
463/1	-	21
453	-	22
455	-	23
462	-	24
508	-	25
561	-	26
562	-	28
496	712	30
447	495	32
498	728	34
479	533	35
450	466	36
451	465	38
456	457	39
452	458	41
449	470	42
488	459	46

Imperial		
Standard Length Model No.	Long Type Model No.	Size Imperial (")
-	430	7/8
-	485	15/16
-	425	1
402	-	1 1/8
-	433	1 1/4
403	445	1 5/16
404	431	1 3/8
-	440	1 7/16
-	438	1 1/2
-	441	1 9/16
483	432	1 5/8
405	434	1 11/16
-	435	1 3/4
-	436	1 13/16
-	437	1 7/8
-	427	2
-	442	2 3/16
-	428	2 1/4



EXTENSIONS

1" SQ Drive M&F	
Model No.	Length (mm)
414	150
407	200
408	250
409	305
415	405

RECTANGULAR SCREW SPIKE SOCKETS 1" SQ DRIVE

Model No.	Size (mm)	Details
511	24 x 20	60mm Length
497	24 x 28	60mm Length
454	28 x 21	60mm Length
454D	28 x 21	100mm Length
1991	28 x 28	60mm Length

Standard Length Sockets 60mm Long

Long Type Sockets 100mm Long



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MASTER35 CARRIER - MODEL NO. 1750 SERIES

Designed for use with the Master 35 Petrol Impact Wrench and other tools. The MASTER35 carrier is fitted with a simple but effective dead man handle braking system. The brake wheel has three locking positions for additional safety.

Using the Master Carrier reduces manual handling, makes it easier and quicker to use equipment, improves operator comfort and increases productivity.

It is made up of three main parts- Main Frame, Cross Bar and Wheel Assembly and can be easily assembled in a few minutes. Each part is small and light enough to be carried manually or transported in a car or small van.

There are two optional accessories which allows the Master to be used in a vertical or horizontal position for Screw Spikes, removing/fitting Fishplate/Joint Bar fasteners and removing rusty clips.



SPECIFICATIONS

Model No.	Description	Approx. Weight (kg)	Dimensions Assembled LxWxH (mm)
1750.0090-B	Carrier – Narrow Gauge 1067mm	35.8	1080 x 1625 x 870 Open (440 locked)
1750.0100-B	Carrier – Standard Gauge 1435mm	30	
1750.9999-B	Carrier – Broad Gauge 1600mm		

OPTIONAL ACCESSORIES

Model No.	Description
2801.7560	Hook Assembly for horizontal use
2801.7550	Wrench Bracket for vertical use
2801.7520	Narrow Gauge to Standard Gauge & Broad Gauge to Standard Gauge Bar 1435mm
2801.7525	Narrow Gauge to Broad Gauge & Standard Gauge to Broad Gauge Bar 1600mm
2801.7535	Wheel Assembly Standard Gauge & Broad Gauge to Narrow Gauge
2801.7515	Bar 1000mm Standard Gauge & Broad Gauge to Narrow Gauge
2801.7530	Wheel Assembly Kit with Handle for Standard & Broad Gauge
28004800	Safety Locking Knob for Carrier



28004800 Safety Locking Knob

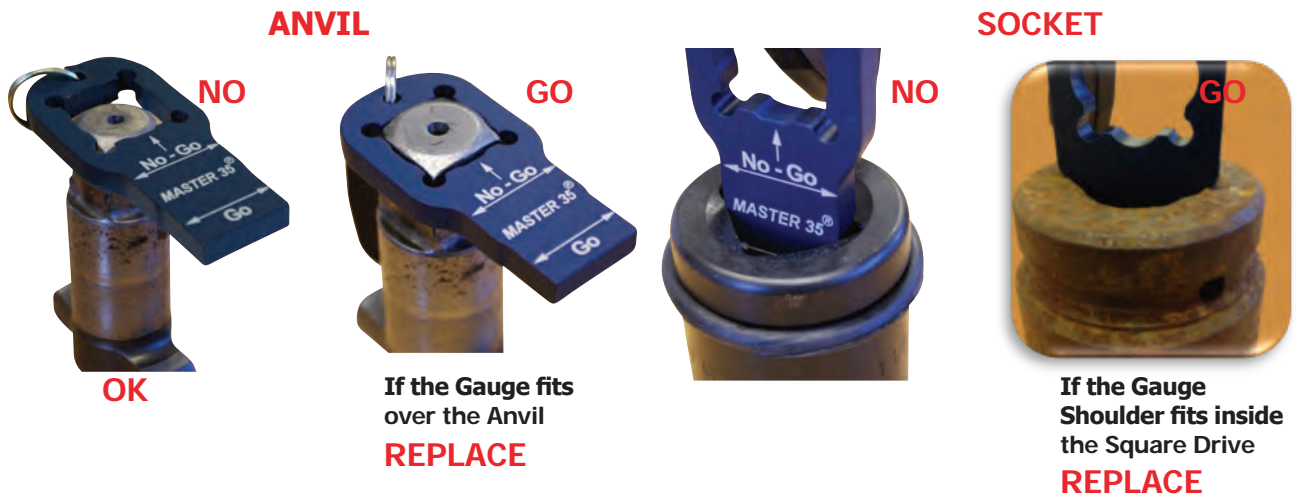
Model No. 28004800
Safety locking card and knob for positive engagement of the holding the arm

MASTER35 NO-GO GAUGE FOR WORN IMPACT SOCKETS

The Master 35® Anvil and Socket No Go Gauge was developed to help Fitters and operators decide when to replace worn parts on 1" Square Drive Wrenches and Sockets, Extensions etc.

Using worn Sockets on a good Anvil and good Sockets on a worn Anvil creates extra vibration, causes damage to the Wrench and increases the time it takes to loosen/tighten fasteners.

If the gauge can be fitted over the Anvil or fully inside the Socket Square Drive they should be replaced.



NO

ANVIL

GO

NO

SOCKET

GO

OK

**If the Gauge fits over the Anvil
REPLACE**

**If the Gauge Shoulder fits inside the Square Drive
REPLACE**

The Gauge is supplied with a Clip so it can be attached to a Key Ring or Belt to reduce the chances of it being lost.

It is made from high quality Aluminium hardened for long life. When the Aluminium is exposed then the Gauge itself is worn and should be replaced.

The Master 35 Anvil and Socket Gauge can be used on all types of 1" Square Drive Impact Wrenches and other brand Impact Sockets and Accessories

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