

Patent Numbers: 5,814,182 - 6,212,748 - 6,212,747 - 6,021,832 (others pending)



## No.1236 & TracStar 900

The re-designed **MegaMc® No.1236** and **TracStar 900** machines will butt fuse pipe sizes from **12" IPS to 36" OD (340mm to 900mm)**. Above ground or in the ditch, these all new machines bring the flexibility of the smaller machines to MegaMc large diameter fusion. These fusion machines have all the advantages of their predecessors with additional features for in-ditch, close quarter work.

The carriage has 4-jaws with a removable 3-jaw carriage and is capable of top loading the heater and facer to maximize functionality within limited space. The TracStar

900 is mounted on independently controlled, self propelled tracks and features a wireless remote driving control. Both models are hydraulically powered to assist all fusion functions including the operation of the jaws, pipe lifts, heater and facer. The machines allow for butt fusion of most fittings without special holders or removal of outer jaw. Mitered inserts are available for fabricating ells.

The **Automatic TracStar 900** controls and monitors the heat, soak, fuse, and cool cycles. It has a built-in data logging feature that keeps a record of each fusion joint, which allows you to verify joint integrity.

### No.1236

- Four or three jaw capable for improved in-ditch fusion
- Carriage can be easily removed for in-ditch use
- For confined spaces can be converted to top-loading heater & facer
- DataLogger® compatible
- Rugged outriggers for stability

### TracStar® 900

- Track mounted, self-contained, self-propelled, all-terrain
- On-board generator for powering heater
- Carriage can be easily removed for in-ditch use
- Also available as an Automatic fusion machine
- Four or three jaw capable for improved in-ditch fusion
- For confined spaces can be converted to top-loading heater & facer
- Dual Speed Tracks

**MACHINE PLUG TYPE**  
To find the right electrical plug type see  
**Page 107**

**GENERATOR**  
To size your generator see  
**Page 114**

**CYLINDER FORCE**  
For help selecting a cylinder force see  
**Page 104**

**DataLogger**  
To learn more about the DataLogger see  
**Page 78**



Visit the Fusion Experts at [www.mcelroy.com](http://www.mcelroy.com)



Machine Type	Model No.	Cylinder Force	Input Voltage Requirements	Minimum Power Requirements *	Plug Type **
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**No. 1236** Includes: Fusion machine, facer, heater and lifting assembly. Optional heater/facer stand sold separately.



Rolling	A3639501	High	220V - 240V, 50/60Hz, 3Ph	39.4KVA/37.7KW	I
Rolling	A3639502	Medium	220V - 240V, 50/60Hz, 3Ph	39.4KVA/37.7KW	I
Rolling	A3639503	Low	220V - 240V, 50/60Hz, 3Ph	39.4KVA/37.7KW	I


**TracStar® 900** Includes: Fusion machine, facer, heater, remote control with batteries & 12V charger and lifting assembly. Optional heater/facer stand sold separately.





Tracked	AT9028001	High	None, On-Board Generator	Self-Contained Diesel	N/A
Tracked	AT9028002	Medium	None, On-Board Generator	Self-Contained Diesel	N/A
Tracked	AT9028003	Low	None, On-Board Generator	Self-Contained Diesel	N/A
Automatic Tracked	AT9028101	High	None, On-Board Generator	Self-Contained Diesel	N/A
Automatic Tracked	AT9028102	Medium	None, On-Board Generator	Self-Contained Diesel	N/A
Automatic Tracked	AT9028103	Low	None, On-Board Generator	Self-Contained Diesel	N/A


\* This is the minimum generator requirement at sea level, see your generator supplier or refer to the generator sizing form on page 114.



\*\* Refer to the plug type reference chart on page 107 for your correct plug type.


Part No.	Description
<b>Spare Facer Blade Kit</b> - Six blades, screws and wrench	
 3615707	Standard blades.
3615707C	Extended life blades.


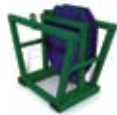
Part No.	Description
<b>Spare Heater Plate Kit</b>	
 A3617201	Set of 2 plates with anti-stick coating required for butt fusion. Kit includes attaching screws and wrench.



Part No.	Description
<b>Pipe Support Stand</b> - See page 82 for more information	
 T9017401	TracStar 630/900 pipe stand
4823901	Heavy duty pipe stand 6500 lbs cap.



Part No.	Description
<b>Stub End Holder</b> - See page 111 for stub end size capability	
 3606901	Holds stub end for butt fusion.



Part No.	Description
<b>DataLogger®</b> - To Learn More See Page 78 	
 DL6303	Used to record and document fusion process parameters.



Part No.	Description
<b>Pyrometer Kit</b>	
 A218803	Measures surface temperature of heater.



Part No.	Description
<b>In-Ditch Heater/Facer Stand</b> 	
 T9027301	Heater/Facer stand recommended for tight in-ditch installations where top loading of the heater and facer is necessary.

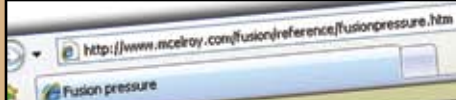
Part No.	Description
<b>In-Ditch Extension Kit</b> 	
 T2408301	Set of 40' hydraulic extension hoses and cable. Required for use when doing in-ditch fusion.

Part No.	Description
<b>In-Ditch Automatic Extension Kit</b> 	
 T9002005	Set of 40' hydraulic extension hoses and cable. Required for use when doing automatic in-ditch fusion.

Part No.	Description
<b>Spare Automatic Pendant</b> 	
 T5007110	Spare user interface for Automatic TracStar 630 and 900.

Part No.	Description
<b>Spare Automatic Control Box</b> 	
 T5001809	Spare control box for quick replacement. For use with Automatic TracStars 630 and 900.

Part No.	Description
<b>Spare Automatic USB Thumb Drive &amp; Adapter</b> 	
 AT5040101	Used for downloading fusion records from the Automatic Pendant to a USB thumb drive.



## Butt Inserts

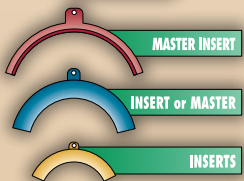
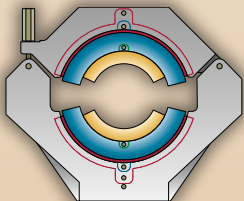
### Set = 8 Inserts

Inserts are made for one size pipe only and are required for pipe sizes less than 36" OD. Some inserts may be purchased as a fabricated or cast insert. Not all inserts fit directly in the jaws. Some inserts nest inside other inserts, called master inserts.

### CAST vs FABRICATED

Cast inserts are made from a high strength aluminum alloy and have been surface hardened for longer life. Fabricated inserts are constructed out of precision laser cut carbon steel and rolled components to ensure proper alignment in the jaws. They are normally lighter in weight than cast inserts. All inserts are serrated for maximum grip on the pipe.

### FAB = Fabricated Inserts



**NOTE:** Other sizes of inserts are available upon request. Contact your McElroy representative about inserts to fit your needs.

### All inserts below fit in 36" jaws

Inserts	Pipe OD	Set No.
36" JAW	36.00 (914mm)	N/R
900mm <b>FAB</b>	35.43 (900mm)	3629401
34" OD	34.00 (864mm)	3603532
32" OD	32.00 (813mm)	3603512
32" OD <b>FAB</b>	32.00 (813mm)	3629501
800mm	31.50 (800mm)	3603509
800mm <b>FAB</b>	31.50 (800mm)	3629601
30" OD	30.00 (762mm)	3603515
30" OD <b>FAB</b>	30.00 (762mm)	3629701
28" OD	28.00 (710mm)	3603418
28" OD <b>FAB</b>	28.00 (710mm)	3619705
26" OD	26.00 (660mm)	3606614
26" OD <b>FAB</b>	26.00 (660mm)	3629801
24" DIPS	25.80 (655mm)	3606617
24" DIPS <b>FAB</b>	25.80 (655mm)	3629901
630mm <b>Master</b>	24.80 (630mm)	3606604

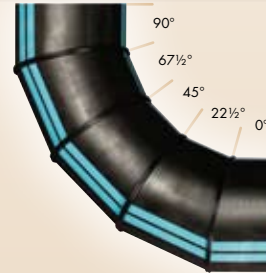
### All inserts below require 630mm Master inserts

24" OD	24.00 (610mm)	2411604
24" OD <b>FAB</b>	24.00 (610mm)	2402301
22" OD	22.00 (560mm)	2411919
20" DIPS	21.60 (549mm)	2411922
20" OD	20.00 (508mm)	2412010
500mm	19.69 (500mm)	2412011
18" DIPS	19.50 (495mm)	2412023
18" <b>Master</b>	18.00 (457mm)	2411708

### All inserts below require 630mm & 18" OD Master

450mm <b>FAB</b>	17.72 (450mm)	2418201
16" DIPS	17.40 (442mm)	2412117
16" OD	16.00 (406mm)	2412110
400 mm	15.75 (400mm)	2412111
14" DIPS	15.30 (389mm)	2412215
14" OD	14.00 (355mm)	2412206
340 mm	13.39 (340mm)	2411811
12" DIPS	13.20 (335mm)	2411826
12" <b>Master</b>	12.75 (324mm)	2411810

## Mitered Inserts



### Standard Ell Configuration 11¼° miter shown

Mitered inserts are used to fabricate segmented ells. All inserts are surface hardened for longer life and are serrated for maximum grip on the pipe.

Inserts are made for one size pipe only. Some inserts nest inside other insert called master inserts.



### Set = 4 Inserts & 1 Template

**NOTE:** Other sizes and angles of inserts are available upon request. Contact your McElroy representative about inserts to fit your needs.

### All inserts below fit in 36" jaws

Inserts	Pipe OD	Set No.
32" OD x 11¼°	32.00 (813mm)	3603526
32" OD x 11¼° <b>FAB</b>	32.00 (813mm)	3631601
800mm x 11¼°	31.50 (800mm)	3603523
800mm x 11¼° <b>FAB</b>	31.50 (800mm)	3630201
30" OD x 11¼°	30.00 (762mm)	3603520
30" OD x 11¼° <b>FAB</b>	30.00 (762mm)	3631701
28" OD x 11¼°	28.00 (711mm)	3603529
28" OD x 11¼° <b>FAB</b>	28.00 (711mm)	3631801
26" OD x 11¼°	26.00 (660mm)	3606623
24" DIPS x 11¼°	25.80 (655mm)	3606620
630mm x 11¼°	24.80 (630mm)	3606610
24" OD x 11¼°	24.00 (610mm)	3606613
630mm <b>Master</b>	24.80 (630mm)	3606604

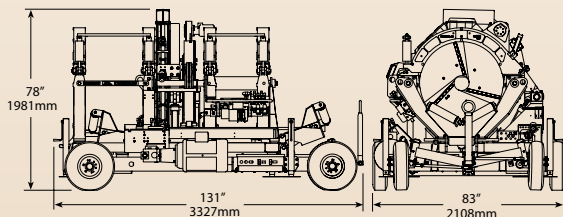
### All inserts below require 630mm Master inserts

22 OD/560mm x 11¼°	22.00 (560mm)	2421229
20" DIPS x 11¼°	21.60 (549mm)	2421257
20" OD x 11¼°	20.00 (508mm)	2421217
500mm x 11¼°	19.68 (500mm)	2412014
18" DIPS x 11¼°	19.50 (495mm)	2421251
18" OD x 11¼°	18.00 (457mm)	2421215
450mm x 11¼°	17.72 (450mm)	2421214
16" DIPS x 11¼°	17.40 (442mm)	2421245
420mm x 11¼°	16.53 (420mm)	2421266
18" <b>Master</b>	18.00 (457mm)	2411708

### All inserts below require 630mm & 18" Master inserts

16" OD x 11¼°	16.00 (406mm)	2420619
400mm x 11¼°	15.75 (400mm)	2420618
14" DIPS x 11¼°	15.30 (389mm)	24206122
370mm x 11¼°	14.57 (370mm)	24206125
14" OD x 11¼°	14.00 (355mm)	2420617
12" DIPS x 11¼°	13.20 (335mm)	24206110
12" IPS x 11¼°	12.75 (324mm)	2420615
315mm x 11¼°	12.40 (315mm)	2420614

### No.1236



#### CAPACITY

Fuses Pipe Sizes: ..... 12" IPS – 36" OD pipe (340mm – 900mm)

#### WEIGHT

Machine: ..... 6842 lbs (3103Kg)

4 Jaw Carriage Configuration: ..... 3865 lbs (1753Kg)

3 Jaw Carriage Configuration: ..... 1820 lbs (825Kg)

Facer: ..... 480 lbs (218Kg)

Heater: ..... 382 lbs (173Kg)

#### HYDRAULICS

System Pressure: ..... 2300 PSI (157.58 BAR) Max.

Hydraulic Reservoir Capacity: ..... 28 Gallons (106 Liters)

Motor: ..... 20HP, 3 Phase, 240V

#### POWER

Heater Power: ..... 20,461 Watt

Facer Power: ..... Hydraulic

#### CHASSIS

Frame: ..... Welded steel tube construction

Front Axle: ..... Articulating

Brake: ..... Mechanical

#### MOBILITY

Tires: ..... 6.90 - 9NHS, 75 PSI Max.

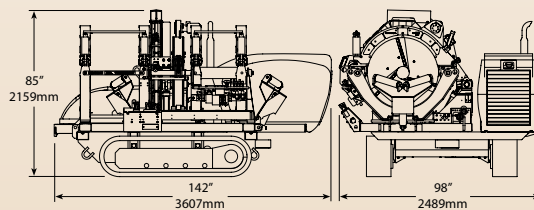
Transportation: ..... Pulled via towing ring

Lifting ..... Lift points & lifting assembly

#### WARRANTY

Term: ..... 3 Years see page 7 for details

### TracStar® 900



#### CAPACITY

Fuses Pipe Sizes: ..... 12" IPS – 36" OD pipe (340mm – 900mm)

#### WEIGHT

Machine: ..... 9527 lbs (4321Kg)

4 Jaw Carriage Configuration: ..... 3865 lbs (1753Kg)

3 Jaw Carriage Configuration: ..... 1820 lbs (825Kg)

Facer: ..... 480 lbs (218Kg)

Heater: ..... 382 lbs (173Kg)

#### HYDRAULICS

System Pressure: ..... 2300 PSI (157.58 BAR) Max.

Hydraulic Reservoir Capacity: ..... 12 Gallons (45 Liters)

#### ENGINE

Engine Type: ..... 83 HP, 3300cc, 4-cylinder turbo

Fuel Type: ..... Diesel

Fuel Tank Capacity: ..... 23 Gallons (87 Liters)

Operational Tank Capacity: ..... 17 Hours

Starting System: ..... Electric

#### ELECTRICAL

Input: ..... None, self-contained

#### POWER

Heater Power: ..... 20,461 Watt

Facer Power: ..... Hydraulic

#### CHASSIS

Frame: ..... Welded steel construction

Brake: ..... Self locking

#### MOBILITY

Tracked: ..... Rubber crawler tracks

Transportation: ..... Self Propelled

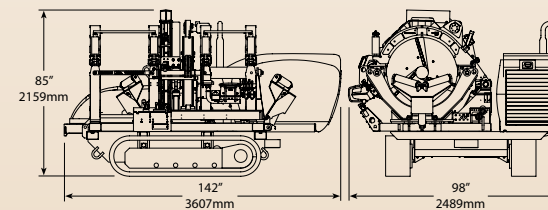
Vehicle speed: ..... Low 1.04mph High 1.68mph

Lifting ..... Lift points & lifting assembly

#### WARRANTY

Term: ..... 3 Years see page 7 for details

### Automatic TracStar® 900



#### CAPACITY

Fuses Pipe Sizes: ..... 12" IPS – 36" OD pipe (340mm – 900mm)

#### WEIGHT

Machine: ..... 9527 lbs (4321Kg)

4 Jaw Carriage Configuration: ..... 3865 lbs (1753Kg)

3 Jaw Carriage Configuration: ..... 1820 lbs (825Kg)

Facer: ..... 480 lbs (218Kg)

Heater: ..... 382 lbs (173Kg)

#### HYDRAULICS

System Pressure: ..... 2300 PSI (157.58 BAR) Max.

Hydraulic Reservoir Capacity: ..... 12 Gallons (45 Liters)

#### ENGINE

Engine Type: ..... 83 HP, 3300cc, 4-cylinder turbo

Fuel Type: ..... Diesel

Fuel Tank Capacity: ..... 23 Gallons (87 Liters)

Operational Tank Capacity: ..... 17 Hours

Starting System: ..... Electric

#### ELECTRICAL

Input: ..... None, self-contained

#### POWER

Heater Power: ..... 20,461 Watt

Facer Power: ..... Hydraulic

#### CHASSIS

Frame: ..... Welded steel construction

Brake: ..... Self locking

#### MOBILITY

Tracked: ..... Rubber crawler tracks

Transportation: ..... Self Propelled

Vehicle speed: ..... Low 1.04mph High 1.68mph

Lifting ..... Lift points & lifting assembly

#### WARRANTY

Term: ..... 3 Years see page 7 for details

**No.1236 / 900**

