



No.2065

Designed for the largest of pipe applications, the **MegaMc® No.2065** machines will butt fuse pipe sizes from **20" OD to 65" OD (500mm to 1600mm)**. This machine has been used around the world as large diameter polyethylene pipeline projects grow in every industry. It allows for butt fusion of most fittings without special holders. Mitered inserts are available for fabricating ells. McElroy's unique semi-automatic control system requires only one operator. Hydraulic power assists all fusion functions including the complete operation of the jaws, pipe lifts, heater, and facer.

- Hydraulic Clamping
- Hydraulic Pivoting Heater and Facer
- DataLogger® compatible
- Dual hydraulic pipe lifts

Machine Type	Model No.	Cylinder Force	Heater Power	Minimum Power Requirements *	Plug Type **
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No.2065 Includes: Fusion machine, facer, 48" and 65" heaters and lifting assembly.					
Rolling	A6300102	High	220V - 240V, 50/60Hz, 3Ph	47.2KVA/48.4KW	J

* 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.

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 106**

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



Visit the Fusion Experts at www.mcelroy.com

Part No.	Description
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Spare Facer Blade Set - Includes: 8 blades screws and wrench



3615708	Standard blades.
3615708C	Extended life blades.

Spare Heater Plate Kit - Includes: attaching screws and wrench



Plates have an anti-stick coating & are required for butt fusion.	
A6314301	Set of 2 plates 48" to 65".
A6311805	Set of 2 plates 20" to 48".

Pipe Support Stand - See page 82 for more information



6314001	Heavy duty stand. Height is adjustable to properly support pipe to be fused.
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Part No.	Description
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Stub End Holder - See page 111 for stub end size capability



6315501	Holds stub end for butt fusion.
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DataLogger® - To Learn More See Page 78



DL6303	Used to record and document fusion process parameters.
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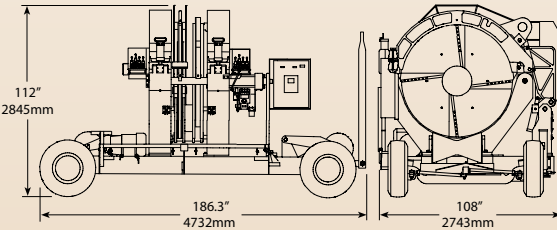
Pyrometer Kit



A218803	Measures surface temperature of heater.
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No.2065



CAPACITY

Fuses Pipe Sizes: 20"OD - 65" OD pipe (500mm - 1600mm)

WEIGHT

- Machine: 14,000 lbs (6350Kg)
- Facer: 775 lbs (351.5Kg)
- 20-48" Heater: 600 lbs (272.2Kg)
- 48-65" Heater: 700 lbs. (317Kg)

HYDRAULICS

- System Pressure: 1500 PSI (103.42 BAR) Max.
- Hydraulic Reservoir Capacity: 24 Gallons (90.85 liters)
- Motor: 10 HP, 3 Phase, 240V

POWER

- 20-48" Heater Power: 35,000 Watt
- 48-65" Heater Power: 38,437 Watt
- Facer Power: Hydraulic

CHASSIS

- Frame: Welded steel tube construction
- Front Axle: Articulating
- Brake: Mechanical

MOBILITY

- Tires: 12 - 16.5LTF, F-12
- Transportation: Pulled via towing ring
- Lifting: Lift points & lifting assembly

WARRANTY

Term: 3 Years see page 7 for details

Specifications subject to change without notice

Butt Inserts

48" & larger
Insert Set = 4 Inserts

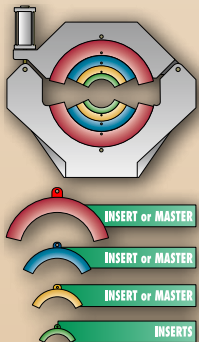
1200mm & smaller
Insert Set = 8 Inserts

Inserts are made for one size pipe only and are required for pipe sizes less than 65" 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 65" jaws

Inserts	Pipe OD	Set No.
65" JAW	65.00 (1651mm)	N/R
63.51" Master	63.51 (1613mm)	Inc w/pkg
63" OD FAB	63.00 (1600mm)	6317301
1400mm FAB	55.12 (1400mm)	6317401
54" OD	54.00 (1372mm)	6308706
54" OD FAB	54.00 (1372mm)	6317201
52" OD FAB	52.00 (1321mm)	6315401
48" DIPS FAB	50.80 (1290mm)	6316201
48" Master	48.00 (1219mm)	6304504

All inserts below require 63.51" & 48" Master Inserts

1200mm	47.25 (1200mm)	4819501
42" OD	42.00 (1067mm)	4813104
42" OD FAB	42.00 (1067mm)	4827501
1000mm	39.37 (1000mm)	4813111
1000mm FAB	39.37 (1000mm)	4819601
36" Master	36.00 (914mm)	4813006

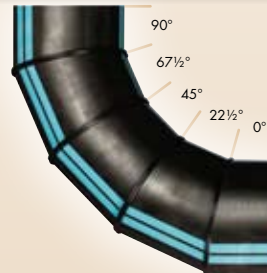
All inserts below require 63.51", 48" & 36" Master Inserts

900mm FAB	35.43 (900mm)	3629401
34" OD	34.00 (864mm)	3603532
32" OD	32.00 (813mm)	3603512
32" OD FAB	32.00 (813mm)	3629501
800mm	31.50 (800mm)	3603509
800mm FAB	31.50 (800mm)	3629601
30" OD	30.00 (762mm)	3603515
30" OD FAB	30.00 (762mm)	3629701
28" OD	28.00 (710mm)	3603418
28" OD FAB	28.00 (710mm)	3619705
26" OD	26.00 (660mm)	3606614
26" OD FAB	26.00 (660mm)	3629801
24" DIPS	25.80 (655mm)	3606617
24" DIPS FAB	25.80 (655mm)	3629901
630mm Master	24.80 (630mm)	3606604

All inserts below require 63.51", 48", 36" & 630mm Master Inserts

24" OD	24.00 (610mm)	2411604
24" OD FAB	24.00 (610mm)	2402301
20" DIPS	21.60 (549mm)	2411922
20" OD	20.00 (508mm)	2412010
500mm	19.69 (500mm)	2412011

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 65" jaws

Inserts	Pipe OD	Set No.
63.51" Master	63.51 (1613mm)	Inc w/pkg

All inserts below require 63.51" OD Master Inserts

54" OD x 11¼° FAB	54.00 (1372mm)	6315001
48" OD x 11¼° FAB	48.00 (1219mm)	6314901
1200mm x 11¼° FAB	47.24 (1200mm)	6314901 *
48" Master	48.00 (1219mm)	6304504

All inserts below require 63.51", 48" OD Master Inserts

42" OD x 11¼°	42.00 (1067mm)	4813115
42" OD x 11¼° FAB	42.00 (1067mm)	4819701
1000mm x 11¼° FAB	39.37 (1000mm)	4820101
36" OD x 11¼°	36.00 (914mm)	4813010
36" OD x 11¼° FAB	36.00 (914mm)	4819801
900mm x 11¼° FAB	35.43 (900mm)	4820001
34" OD x 11¼° FAB	34.00 (864mm)	4819901
36" Master	36.00 (914mm)	4813006

All inserts below require 63.51", 48", 36" OD Master Inserts

32" OD x 11¼°	32.00 (813mm)	3603526
32" OD x 11¼° FAB	32.00 (813mm)	3631601
800mm x 11¼°	31.50 (800mm)	3603523
800mm x 11¼° FAB	31.50 (800mm)	3630201
30" OD x 11¼°	30.00 (762mm)	3603520
30" OD x 11¼° FAB	30.00 (762mm)	3631701
28" OD x 11¼°	28.00 (710mm)	3603529
28" OD x 11¼° FAB	28.00 (710mm)	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

* Set 6314901 includes: 1200mm Liners for 48" OD x 11¼° Mitered Inserts

