

TWECO MIG GUNS



- Air-Cooled MIG Guns
 - Series with Standard Consumables
 - Series with Velocity Consumables
- Water-Cooled MIG Guns
- Special Application MIG Guns
 - Flux cored Series (for gasless wires)
 - PulseMaster Series
 - Spool Guns
 - PullMaster Series (push-pull guns)



TWECO CLASSIC NUMBERED SERIES MIG GUNS



- Upgrades to the Classic Series Amp Range No.2 through No.6:
 - Enhanced toughness
 - Improved durability
 - Higher performance
 - Molded-in yellow Tweco logo
 - Refined ergonomics
- Features that remain the same:
 - Back end offerings, Cablehoz and conductor tubes
 - Standard consumable sets
 - Reliable internals

TWECO
TWECO CLASSIC
Air-Cooled MIG Guns

UP TO 600A
UP TO 1/8" (3.2mm)
UP TO 60%

THE BEST, JUST GETS BETTER
ALL WITHOUT CHANGING OUR TIME-TESTED,
PROVEN COMPONENTS

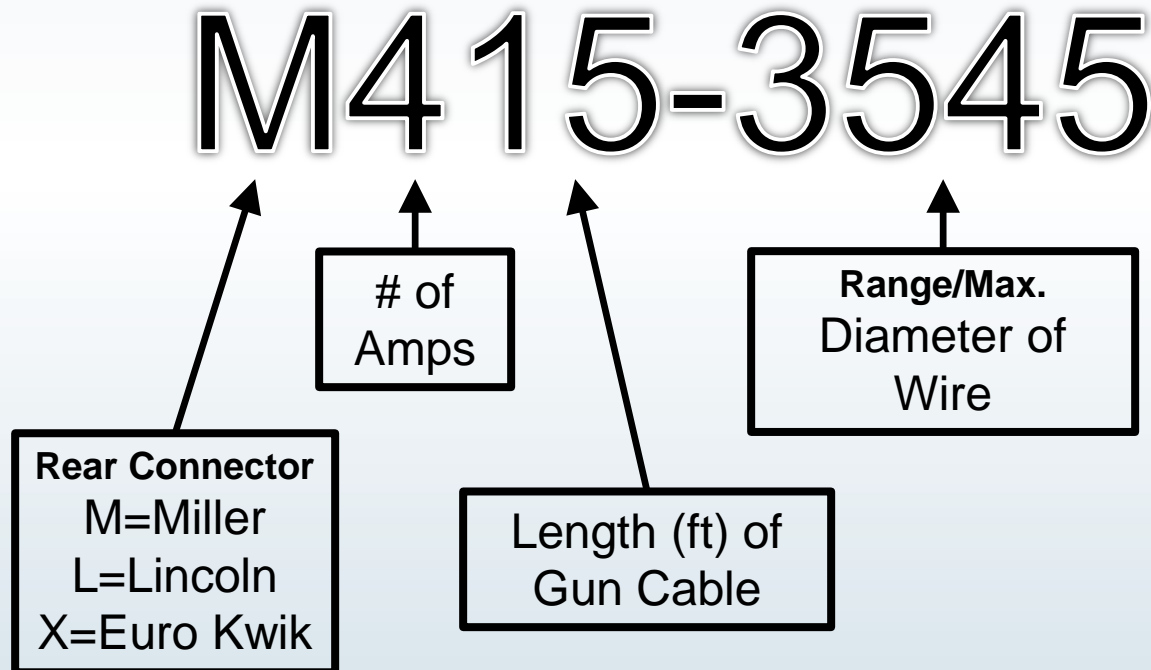
No. 2	No. 3	No. 4	No. 5	No. 6
200 Amps	300 Amps	400 Amps	500 Amps	600 Amps
60% Duty Cycle				

TWECO MIG GUN SERIES IDENTIFICATION



- MIG Gun Part Numbers Explained
 - Professional No. Series Product Range (some model numbers vary within the different Series)

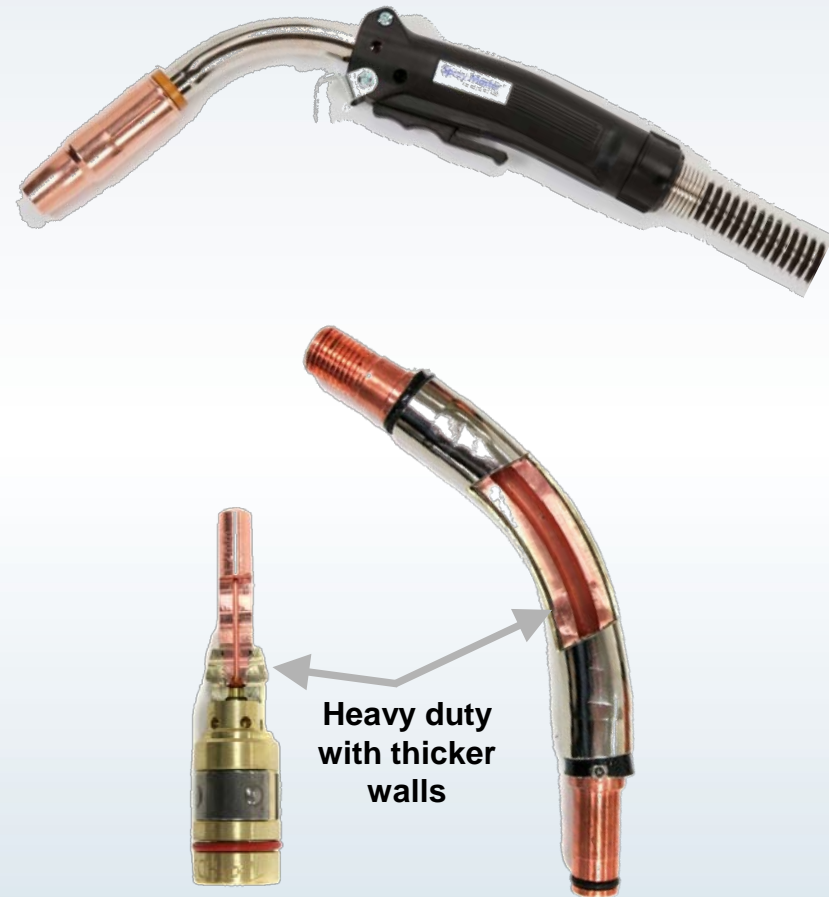
Example:



TWECO SPRAY MASTER™ SERIES MIG GUNS (W/STANDARD CONSUMABLES)



- Features:
 - Lower heat in the handle and conductor tube
 - Balanced to pivot at the center of the handle reducing operator fatigue
 - Extended trigger length to keep hand away from radiated heat of arc
 - Heavy-duty, thick-walled consumables improves performance; longer tip life and less downtime

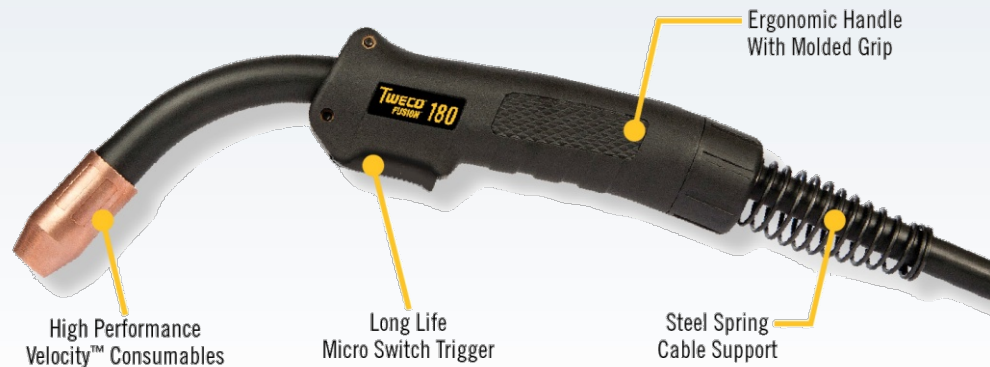


TWECO FUSION LIGHT DUTY SERIES MIG GUNS (W/VELOCITY CONSUMABLES)



- Features:

- New high performance patented Velocity Consumables
- CE Rated outputs and Duty cycles
- Full range up to 250 Amps @ 80% Duty Cycle
- Best in class performance
- Built tough and designed to last
- Speed Made Easy



TWECO FUSION LIGHT DUTY SERIES MIG GUNS (W/VELOCITY CONSUMABLES)



- Aftermarket and bundled with Fabricator 3in1 Welding Systems
 - Tweco Fusion 140 (Fabricator 141i)
 - 20% Duty Cycle / Mixed Gas
 - Tweco Fusion 180 (Fabricator 181i)
 - 40% Duty Cycle / Mixed Gas
 - Tweco Fusion 220 (Fabricator 211i)
 - 40% Duty Cycle / Mixed Gas
 - Tweco Fusion 250 (Fabricator 252i)
 - 80% Duty Cycle / Mixed Gas



TWECO FUSION COMPATIBILITY CHART



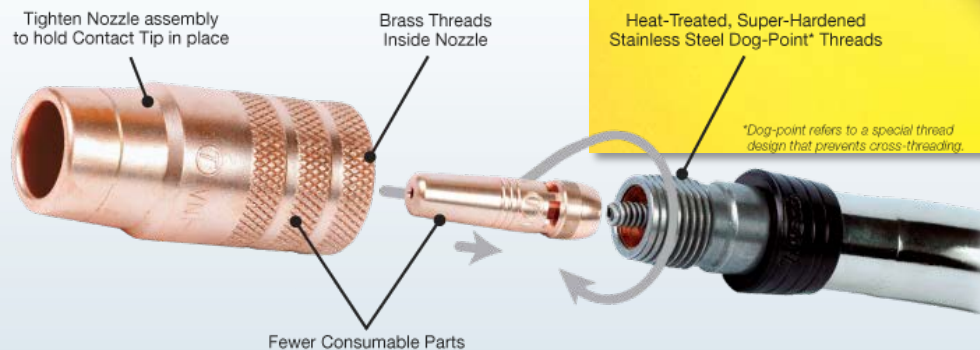
POWER SUPPLY COMPATIBILITY				
Thermal Arc® Connector (8 Pin)	Tweco® Connector (4 Pin)	Miller® Connector	Lincoln® Connector	Euro-Kwik Connector
Thermal Arc® Fabricator 141i, 181i, 211i & 252i	Thermal Arc® Fabricator 140, 180, 190, 210, 251 & 281 Lincoln® SP100, SP100T, SP125 Plus, SP130, SP170T & SP170 Plus Hobart® Beta Mig 170	Millermatic® 130, 130 XP, 135, 140, 150, 155, 175, 180, 185, 200, 210, 211, 212 Hobart® Handler 130XL, 210, Trek 180, Ironman™ 210	Lincoln® SP140T, SP180T, PowerMIG® 140C & 180C, Easy-Core™ 125, Pro-Core™ 125, Easy-MIG® 140, Weld-Pak 125HD, 140HD & 180HD, MIG-Pak™ 140 & 180, Easy-MIG® 180, Pro-MIG™ 140 & 180	ESAB® MigMaster® 160 & 173

TWECO FUSION™ MIG GUNS				
Rear Connection	Tweco Fusion™ 140 Part Number / Stock Number	Tweco Fusion™ 180 Part Number / Stock Number	Tweco Fusion™ 220 Part Number / Stock Number	Tweco Fusion™ 250 Part Number / Stock Number
Thermal Arc® (8 Pin)	F140TA-10-3035 1017-1321	F180TA-12-3035 1017-1332	F220TA-12-3035 1023-1261	FV215-TA-3545 1023-1097
Tweco® (4 Pin)	F140T-10-3035 1017-1320	F180T-12-3035 1017-1331	F220T-15-3035 1023-1260	FV215-3545 1023-1061
Miller®	F140M-10-3035 1017-1319	F180M-12-3035 1017-1330	F220M-15-3035 1023-1259	FV215-M-3545 1023-1069
Lincoln®	F140L-10-3035 1017-1318	F180L-12-3035 1017-1329	F220L-15-3035 1023-1258	FV215-L-3545 1023-1085
Euro-Kwik	F140X-10-3035 1017-1323	F180X-12-3035 1017-1334	F220X-15-3035 1023-1263	FV215-X-3545 1023-1091

TWECO SPRAY MASTER® V-SERIES MIG GUNS (W/VELOCITY CONSUMABLES)



- Guns with Velocity Series continue from Light Duty to Industrial platforms
 - Revolutionary, next generation industrial front end consumables
 - Last up to 5 times longer
 - Run 30% cooler
 - Deliver a 15% smoother, more stable arc performance
 - Overall lower cost of ownership



TWECO SPRAY MASTER® V-SERIES MIG GUNS (W/VELOCITY CONSUMABLES)



- Features:
 - Spray Master proven components
 - 80% Duty Cycle – mixed gases
 - Compact ergonomic handle
 - Extended trigger length
 - Thick-walled, three-layer conductor tube
 - Next generation Tweco Velocity medium/heavy duty MIG welding consumables
 - Ability to easily upgrade original Spray Master to Velocity by changing the conductor tube



TWECO SPRAY MASTER® V-SERIES MIG GUNS (W/VELOCITY CONSUMABLES)



- Upgrade original Spray Master to Velocity



- 1) Order a Velocity conductor tube assembly.
- 2) Order a new replacement liner.
- 3) Order Velocity consumables - contact tips and nozzles.
See our Velocity consumables range brochure (*Form No. 64-1403*).
- 4) See our website or owners manual for specific step by step instructions to complete the modification.

Spray Master Conductor Tube Upgrade

Description	Part No.	Stock No.
45° Conductor Tube Assembly	SMVCT45	1240-1373
60° Conductor Tube Assembly	SMVCT60	1240-1374
60° Conductor Tube Long Reach Assembly	SMVCT60LM	1640-1374

TWECO SPECIAL APPLICATION MIG GUNS



Smoke Master
Series



SEFC
Flux Core Series



Supra Water-
Cooled Series

TWECO SPECIAL APPLICATION MIG GUNS

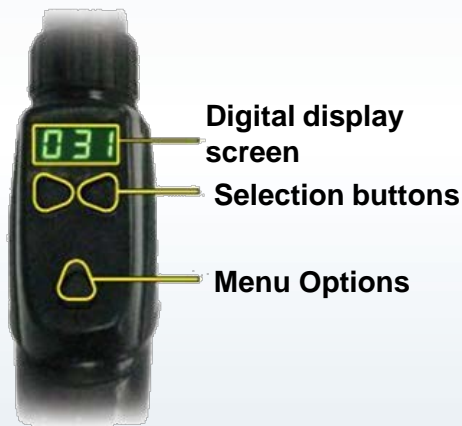


- PulseMaster Series
- Smoke Master Series
- SEFC Flux Core Series
- Tweco Spool Gun Series
- PullMaster Series

TWECO PULSEMASTER SERIES MIG GUNS



- Smart Gun with one-touch digital control to adjust primary welding parameters – use with Thermal Arc SP machines only
- Standard Gun without “smart” capability
- Twin-pulse mode for exceptional weld bead
- Front end consumables specially designed



TWECO SMOKE MASTER SERIES MIG GUNS



- Fume extraction MIG gun
- Efficiently removes 90% of smoke from the welding zone
- Handle slide valve allows operator to regulate vacuum on the MIG gun
- 1-3/8" ID PVC reinforced vacuum hose
- Vacuum cools the front end consumables
- Optional Smoke Collection System (TSC96) available



TWECO FLUX CORE SERIES MIG GUNS



- For use with gasless wires
- 350A and 450A assemblies



TWECO SPOOL GUN SERIES



- Ideal for aluminum, stainless steel and mild steel welding
- Holds standard 4" diameter spools
- 160 Amp Spool Gun
 - 8-pin Amphenol Style Connector
 - Use only on Fabricator 141i, 181i and 211i power supplies
- 200 Amp Spool Gun
 - 10-pin Amphenol Style Connector
 - SG200TA-25-3454 for use with Fabricator 252i only
 - SG200-25-3545 requires Control Wire Jumper Cords
- 300 Amp Spool Gun
 - Requires use of ESG-1 Control Box for most welding machines



TWECO PULLMASTER GUN SERIES



- Ideal for aluminum, stainless steel and mild steel welding
- Comfortable pistol grip handle design
- Improved performance with longer life consumables
- 300 Amp “Smart” Gun and Standard Gun
 - “Smart” gun with digital display for use with Thermal Arc SP machines only

