

# Reference Charts for Robotic MIG Guns Equipped with TOUGH GUN I.C.E.™ Technology



Ordering a TOUGH GUN™ Robotic MIG Gun Equipped with TOUGH GUN I.C.E. Technology:

Wire Size	Cable Length							
	4.0 ft	4.5 ft	5.0 ft	6.0 ft	8.0 ft	10 ft	12 ft	15 ft
0.030"	I-5404-30	I-5404.5-30	I-5405-30	I-5406-30	I-5408-30	I-5410-30	I-5412-30	I-5415-30
0.035"	I-5404-35	I-5404.5-35	I-5405-35	I-5406-35	I-5408-35	I-5410-35	I-5412-35	I-5415-35
1.0 mm	I-5404-1.0	I-5404.5-1.0	I-5405-1.0	I-5406-1.0	I-5408-1.0	I-5410-1.0	I-5412-1.0	I-5415-1.0
0.045"	I-5404-45	I-5404.5-45	I-5405-45	I-5406-45	I-5408-45	I-5410-45	I-5412-45	I-5415-45
0.052"	I-5404-52	I-5404.5-52	I-5405-52	I-5406-52	I-5408-52	I-5410-52	I-5412-52	I-5415-52
1/16"	I-5404-116	I-5404.5-116	I-5405-116	I-5406-116	I-5408-116	I-5410-116	I-5412-116	I-5415-116
5/64"	I-5404-564	I-5404.5-564	I-5405-564	I-5406-564	I-5408-564	I-5410-564	I-5412-564	I-5415-564
3/32"	I-5404-332	I-5404.5-332	I-5405-332	I-5406-332	I-5408-332	I-5410-332	I-5412-332	I-5415-332

Standard lengths 3', 3.5' and 7' also available. Custom lengths available upon request.

**Understanding TOUGH GUN I.C.E. Torch Numbers**

I - 5 4 x x - x x

Wire Size  
Cable Length (4 ft - 15 ft)  
Torch Assembly  
Indicates 'I.C.E.'

**500 amp TOUGH GUN I.C.E. Torch Amperage Ratings**

Duty Cycles			
100% Duty Cycle		60% Duty Cycle	
CO <sub>2</sub>	Mixed	CO <sub>2</sub>	Mixed
550	400	700	550

**Standards Chart**

Torch Model	Neck	Nozzle	Retaining Head	Contact Tips
500 amp	590-180-1.062	401-6-62	404-30	403-20-xx

TOUGH GUN I.C.E. Necks are available in standard angles of 22°, 45° and 180°, and are also available in custom neck configurations. Available for all standard and heavy duty nozzles as listed in the neck assembly chart below. Contact Tregaskiss for further details.

To Add TOUGH GUN I.C.E. Technology to an Existing TOUGH GUN Robotic MIG Guns:

**TOUGH GUN I.C.E. Neck Assembly**

590-22-0.938
590-22-1.062
590-22-1.106
590-45-0.938
590-45-1.062
590-45-1.106
590-180-0.938
590-180-1.062
590-180-1.106

**Leather Wrap**

590-3-4
590-3-4.5
590-3-5
590-3-6
590-3-8
590-3-10
590-3-12
590-3-15

**Water Line Assembly**

590-4
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Note: Contains 2 water lines.

**Water Line Bracket Kit**

590-2
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Cable Length —┘

Neck Angle —┘┘ Nozzle O.D. —┘