







The **Thermadyne Specialty Markets** group operates within multiple distribution channels to meet the needs of several distinct industry segments.

These segments consist of:

Farm Supply - farm and tractor supply and equipment companies.

Automotive Aftermarket - including national automotive retailers who advertise to a broad audience ranging from weekend repair and DIY to small automotive service and repair businesses.

Tool and Equipment Distribution Companies - those who carry light construction, industrial, and related products.

Mass Market Retailers - an area that has seen significant growth through direct sales via direct mail, catalog and internet sales, serving a variety of industries.

The organization and structure of this unit is designed to be more responsive to market segments that will benefit from the technology and the heritage of the brands developed by Thermadyne. The Thermadyne brands include Victor®, Tweco®, Thermal Dynamics®, Thermal Arc®, Arcair®, Cigweld (outside the U.S. and Americas) and Stoody®. Thermadyne Specialty Markets Group will continue to market the Firepower® line of products as well.

The Thermadyne Specialty Market group utilizes the company's expertise in engineering, brand design/development and global sourcing to offer the best value for these consumer markets.

Thermadyne is committed to superior quality products and service. Thermadyne is ISO 9001:2000 certified and most of our branded products are tested and certified by independent, accredited agencies including UL, CSA and ETL.



Table of Contents

Part No. Index	2-3
Machines at a Glance	
Section 1 – Arc Welding Equipment and Accessories	
MIG/Flux Cored Welders	5-16
MIG/Flux Cored Welders' Consumables & Accessories	17-25
TIG/Arc/Stick Welders	
TIG/Arc/Stick Welders' Consumables & Accessories	36-37
Section 2 – Manual Plasma Systems, Torches and Accessories	
Plasma Cutting Machines	38-44
Plasma Cutting Consumables & Accessories	45-46
Section 3 – Gas Equipment and Accessories	
Oxy-Acetylene Torches & Outfits	
Air Fuel Torches	
Powder Spray Torch Outfit	56
Oxy-Acetylene Tips & Nozzles	
Regulators & Gauges	60-64
Oxy-Acetylene Handles	65-66
Oxy-Acetylene Accessories	67-68
Section 4 – Electrodes, Welding Wire and Solder	
Electrodes	69-73
Welding Wire	74-75
Gas Welding Rods	76-78
Solder & Flux	79
Section 5 – Safety and Tools	
Safety	80-88
Tools	89-95
Section 6 – Brushes and Abrasives	
Brushes and Abrasives	
Warranty	112



DADT NUMBER	DACE	DADT NUMBER	DACE	DADT NUMBER	DACE	DADT NUMBER	DACE
PART NUMBER 1-1110-1	PAGE 38	PART NUMBER 0387-0400	PAGE 54	PART NUMBER 1023-1101	PAGE 17	PART NUMBER 1423-1428	PAGE 90
1-1130-1	41	0387-0436	55	1023-1102	17	1423-1432	94
1-1625	42	0387-0463	53	1023-1250	21	1423-1435	93
1-1635-1 1-1670-1	43	0387-0464 0387-0465	53 53	1023-1251 1023-1252	21 21	1423-1442 1423-1464	96 93
1-4200	39	0387-0470	54	1023-1253	21	1423-2100	97
1-5130-1	40	0387-0471	54	1027-1381	19	1423-2101	97
2-1020 7-5200	45 46	0387-0487 0387-1232	91 64	1040-1101 1040-1102	18 18	1423-2102 1423-2103	97 97
7-5200	46	0387-2004	61	1040-1102	18	1423-2104	97
7-7501	46	0387-2103	61	1110-1100	23	1423-2105	97
7-7507 7-7507	46 46	0387-2104 0387-2303	61 61	1110-1101 1110-1102	23 23	1423-2106 1423-2107	98 98
7-8888	45	0387-2304	61	1110-1102	23	1423-2108	98
7-8910	45	0387-2404	61	1110-1104	23	1423-2109	98
7-8910	46 46	0387-2405	61	1110-1142	21 23	1423-2110	98 99
8-3486 8-3487	46	0656-0000 0656-0015	67 67	1140-1100 1140-1101	23	1423-2111 1423-2113	99
9-1260	45	0656-0016	67	1140-1102	23	1423-2115	98
9-1260	46	0781-1102	62	1140-1103	23	1423-2116	98
9-6003 9-6006	45 45	0781-2733 0781-5100	63 60	1140-1104 1210-1100	23 23	1423-2117 1423-2118	97 97
9-6007	45	0781-5105	60	1210-1110	23	1423-2110	99
9-6099	45	0781-5106	60	1210-1120	23	1423-2121	99
9-8206	46	0781-5108	60	1210-1346	21	1423-2122	99
9-8213 9-8215	46 46	0781-5109 0781-5110	60 60	1220-1101 1220-1110	23 23	1423-2123 1423-2124	99 99
9-8218	46	0781-5111	60	1220-1120	23	1423-2125	99
9-8231	46	0781-5115	60	1240-110	23	1423-2140	109
9-8251	46	0781-5116	60 60	1240-1101 1240-1110	23	1423-2141	109 109
10-3073 10-3074	33 35	0781-5121 0781-5122	60	1240-1110	23 23	1423-2143 1423-2151	110
10-3083	34	0781-5127	60	1412-0012	67	1423-2152	110
0323-0131	59	0781-5128	60	1412-0020	67	1423-2157	110
0381-0740 0381-0744	65 65	0781-5130 0781-5131	60 60	1412-0021 1412-0022	67 67	1423-2158 1423-2160	110 110
0381-0751	66	0781-5132	60	1412-0141	55	1423-2161	110
0382-0136	65	0781-5133	60	1420-0296	89	1423-2164	108
0382-0143 0384-0656	65 50	0781-5134 0781-5135	60	1420-1103 1420-1113	23 23	1423-2165 1423-2166	108 108
0384-0904	66	0781-5136	60	1420-1113	23	1423-2171	108
0384-0990	50	0781-5137	60	1420-1140	21	1423-2172	108
0384-1260	55	0781-5138	60	1421-0062	92	1423-2173	108
0384-1266 0384-1280	56 55	0781-5140 0781-5142	60 60	1421-0085 1423-0016	68 91	1423-2178 1423-2180	103 103
0384-1290	55	0781-5143	60	1423-0017	81	1423-2185	105
0384-2530	48	0781-5144	60	1423-0018	81	1423-2186	102
0384-2534 0384-2646	48 47	0781-5145 0781-5146	60 60	1423-0019 1423-0020	81 81	1423-2187 1423-2188	102 102
0384-2648	47	0781-5147	60	1423-0026	90	1423-2189	102
0384-2650	49	0781-5154	60	1423-0032	90	1423-2190	102
0384-2651 0384-2652	49 49	0781-5155 0781-5159	60 60	1423-0050 1423-0051	90 80	1423-2191 1423-2192	102 102
0386-0101	51	0781-8960	62	1423-0052	90	1423-2192	104
0386-0421	78	0781-8961	62	1423-0081	96	1423-2198	104
0386-0491	78	0781-8965	62	1423-0082	96	1423-2202	105
0386-0493 0386-0494	78 78	0781-8966 0781-9111	62 62	1423-0083 1423-0084	96 96	1423-2213 1423-2220	104 107
0386-0495	78	0781-9112	62	1423-0086	92	1423-2221	107
0386-0835	51	0781-9116	62	1423-0087	96	1423-2224	100
0386-0849	63	0781-9171 0781-9172	62 62	1423-0093	96 92	1423-2226	100
0386-1226 0386-1370	68 63	0781-9320	61	1423-0094 1423-0095	92	1423-2232 1423-2254	102 110
0386-1379	78	0781-9671	61	1423-0096	92	1423-2255	110
0386-1382	78	0781-9672	61	1423-0097	92	1423-2305	104
0386-1393 0386-1394	78 78	0781-9800 0781-9802	62 62	1423-0296 1423-0467	79 79	1423-2310 1423-2311	106 106
0386-1395	78	0781-9850	62	1423-1101	79	1423-2312	106
0386-1396	78	0781-9851	62	1423-1102	79	1423-2327	99
0386-1397 0387-0019	52 59	0916-0002 0916-0003	68 68	1423-1108 1423-1109	79 79	1423-3142 1423-3143	103 103
0387-0019	59	0916-0028	68	1423-1110	79	1423-3144	103
0387-0021	59	0916-0122	55	1423-1111	79	1423-3145	103
0387-0022	59	1000-1100	17	1423-1112	79	1423-3146	103
0387-0023 0387-0024	59 59	1000-1101 1000-1131	17 17	1423-1113 1423-1114	79 79	1423-3147 1423-3148	103 103
0387-0024	59	1000-1131	17	1423-1115	79	1423-3149	103
0387-0031	59	100047B-001	9	1423-1116	79	1423-3150	103
0387-0032 0387-0033	59 59	100048D-002 1017-1302	10	1423-1117 1423-1118	79 79	1423-3151 1423-3152	102 102
0387-0034	59	1017-1302	21	1423-1119	79	1423-3153	102
0387-0060	59	1017-1304	21	1423-1209	89	1423-3155	103
0387-0061	59	1017-1305	21	1423-1400	96	1423-3157	103
0387-0062 0387-0071	59 59	1017-1306 1017-1307	21	1423-1402 1423-1404	96 80	1423-3158 1423-3159	98 98
0387-0071	59	1017-1308	21	1423-1405	93	1423-3162	107
0387-0073	59	1017-1309	21	1423-1408	91	1423-3163	107
0387-0231	61	1017-1312	21	1423-1419	95	1423-3164	107
	61	1017-1212	21	1423-1422			
0387-0232 0387-0300	61 61	1017-1313 1020-1111	21 18	1423-1423 1423-1425	90 95	1423-3177 1423-3181	100 103



PART NUMBER	PAGE	PART NUMBER	PAGE	PART NUMBER	PAGE	PART NUMBER	PAGE
1423-3184	103	1440-0197	69	1443-0412	31	CS164 0	59
1423-3185	103	1440-0198	69	1443-0416	32	CS164 1	59
1423-3186	102	1440-0200	69	1444-0025	24	CS164 2	59
1423-3188	103	1440-0201	69	1444-0026	24	CS164 3	59
1423-3189 1423-3191	104 104	1440-0202 1440-0203	69 69	1444-0027 1444-0028	24	CS164 4 CS3101 0	59 57
1423-3193	104	1440-0205	69	1444-0029	24	CS3101 00	57
1423-3199	102	1440-0206	69	1444-0050	24	CS3101 000	57
1423-3201	102	1440-0207	69	1444-0051	24	CS3101 1	57
1423-3203	102	1440-0208	69	1444-0052	24	CS3101 2	57
1423-3208 1423-3211	103	1440-0210 1440-0211	74	1444-0053 1444-0075	24	CS3101 3 CS3101 4	57 57
1423-4100	87	1440-0212	74	1444-0080	22	CS3101 5	57
1423-4107	88	1440-0215	74	1444-0082	22	CS3GPN 0	57
1423-4120	83	1440-0216	74	1444-0140	24	CS3GPN 00	57
1423-4124	88	1440-0217	74	1444-0141 1444-0142	24	CS3GPN 000 CS3GPN 1	57
1423-4126 1423-4127	83	1440-0220 1440-0221	74	1444-0165	22	CS3GPN 2	57 57
1423-4133	80	1440-0222	74	1444-0220	24	CS3GPN 3	57
1423-4173	81	1440-0230	75	1444-0221	24	CS3GPN 4	57
1423-4175	82	1440-0231	75	1444-0222	24	CS3GPN 5	57
1423-45177 1424=0013	83	1440-0235	75 75	1444-0223	24	CS6290GG 1	58
1424=0013	64	1440-0236 1440-0240	75	1444-0224 1444-0261	22	CS6290GG 2 CS6290GG 3	58 58
1424=0015	64	1440-0241	75	1444-0265	22	CS6290NX 0	58
1424=0017	64	1440-0245	74	1444-0312	16	CS6290NX 00	58
1424=0019	64	1440-0374	72	1444-0322	12	CS6290NX 1	58
1424=0147	64	1440-0400	70	1444-0324	13	CS6290NX 2 CS6290NX 3	58
1424=0148 1424=0149	64	1440-0401 1440-0403	70	1444-0326 1444-0328	14	CS6290NX 3 CS6290NX 4	58 58
1424=0149	64	1440-0405	70	1444-0346	14	CS6290NX 5	58
1424=0290	64	1440-0406	70	1444-0348	15	CSC6290 0	58
1424=0292	64	1440-0409	70	1444-0406	22	CSC6290 00	58
1424=0293	64	1440-0411	70	1444-0407	25	CSC6290 1 CSC6290 2	58
1424=0294 1424=0405	64	1440-0412 1440-0413	71	1444-0408 1444-0413	19	CSC6290 2 CSC6290 3	58 58
1424=0406	64	1440-0419	73	1444-0417	22	CSC6290 4	58
1424=0407	64	1440-0420	73	1444-0489	22	CSC6290 5	58
1424=0408	64	1440-0423	70	1444-0740	22	CSGPN 0	58
1424=0409	64	1440-0423	72	1444-0741	22	CSGPN 00	58
1440-0025	77	1440-0424 1440-0424	70 72	1510-1140 2000-2352	21	CSGPN 000 CSGPN 1	58 58
1440-0026 1440-0040	56	1440-0425	72	2000-2332	21	CSGPN 2	58
1440-0041	56	1440-0426	73	2000-2835	21	CSGPN 3	58
1440-0042	56	1440-0427	76	2030-2075	21	CSGPN 4	58
1440-0043	56	1440-0428	76	2035-2110	21	CSGPN 5	58
1440-0044	56	1440-0429	76	2035-2110	21	CSGPN 6	58
1440-0080 1440-0081	73	1440-0430 1440-0431	76 76	2035-2111 2035-2111	21	CSSC12 0 CSSC12 1	58 58
1440-0083	72	1440-0434	77	2035-2116	21	CSSC12 2	58
1440-0095	69	1440-0440	70	2035-2116	21	CSSC12 3	58
1440-0096	69	1440-0440	72	2040-2276	21	CSSC12 4	58
1440-0097	69	1440-0441	70	2042-2050	21	CSSC12 5	58
1440-0098 1440-0105	69 69	1440-0442 1440-0443	76 72	2042-2051 2042-2052	21	CSSC50 0 CSSC50 1	58 58
1440-0106	69	1440-0445	75	2042-2053	21	CSSC50 2	58
1440-0107	69	1440-0447	74	2042-2054	21	CSSC50 3	58
1440-0108	69	1440-0449	72	2042-2055	21	CSSC50 4	58
1440-0115	69	1440-0454	71	4100-1001	85	CSSC50 5	58
1440-0116	69 69	1440-0456	75 69	4100-1002	85 85	CSSC50 6	58 58
1440-0117 1440-0118	69	1440-0473 1440-0474	69	4100-1003 4100-1004	85	CSSC60 1 CSSC60 2	58
1440-0114	69	1440-0475	69	9120-1010	36	CSSC60 3	58
1440-0125	69	1440-0489	74	9205-1120	37	CSSC60 4	58
1440-0126	69	1440-0496	71	9205-1130	37	W1001500	8
1440-0127	69	1440-0497	71	9205-1230	37	W1001600 W1002500	11
1440-0134 1440-0135	69 69	1440-1003 1440-1103	23	9205-1250 9255-1060	37	W1002500 W1002501	6
1440-0136	69	1441-0004	87	9255-1061	37	W1002501 W1002502	6
1440-0137	69	1441-0015	82	CS1101 0	57	W1002503	6
1440-0145	69	1441-0023	87	CS1101 00	57	W1002600	7
1440-0146	69	1441-0024	86	CS1101 000	57	W1002601	7
1440-0147 1440-0148	69 69	1441-0025 1441-0026	86	CS1101 1 CS1101 2	57 57	W1002602 W1002603	7
1440-0150	69	1441-0038	87	CS1101 2 CS1101 3	57	W1002603 W1003181	5
1440-0151	69	1441-0042	87	CS1101 4	57	W1003182	5
1440-0152	69	1441-0047	88	CS1101 5	57	W1003202	26
1440-0153	69	1441-0048	88	CS1101 6	57	W1003203	26
1440-0155	71	1441-0049 1441-0050	88	CS1108 0	57	W1003602	27 27
1440-0156 1440-0165	71	1441-0050	88	CS1108 1 CS1108 2	57 57	W1003603 W1003701	28
1440-0180	69	1441-3408	83	CS1108 3	57	W1003701 W1003801	29
1440-0181	69	1443-0002	94	CS1108 4	57	W4011500	25
1440-0182	69	1443-0003	94	CS1108 5	57	W4011700	84
1440-0183	69	1443-0004	94	CS1108 6 (flat)	57	W4011800	84
1440-0185 1440-0186	69 69	1443-0005 1443-0015	94	CS1108 8 (flat) CS144 0	57 59	W4011900 W4012000	84
1440-0187	69	1443-0015	94	CS144 U	59	W4012000	04
1440-0188	69	1443-0025	94	CS144 2	59		
1440-0195	69	1443-0027	94	CS144 3	59		
1440-0196	69	1443-0042	25	CS144 4	59		



Machines at a Glance

MIG • GMAW • Flux-Cored • FCAW • Welders

Model	Part #	Page	Flux Cored	MIG	Input Voltage	Rated Amps	Rated Cycle Duty	Maximum Thickness
Fabricator® 181i	W1003181	5	Yes	Yes	230V	180 Amps	20%	1/4"
Fabricator 140	W1002500	6	Yes	Yes	120V	90 Amps	20%	3/16"
Fabricator 180	W1002600	7	Yes	Yes	230V	130 Amps	25%	5/16"
Fabricator 190	W1001500	8	Yes	Yes	230V	190 Amps	15%	5/16"
Fabricator 210	100047B-001	9	Yes	Yes	230V	210 Amps	40%	1/2"
Fabricator 251	100047D-002	10	Yes	Yes	230V	250 Amps	60%	5/8"
Fabricator 281	W1001600	11	Yes	Yes	230V	300 Amps	40%	5/8"
FP95	1444-0322	12	Yes	No	120V	80 Amps	15%	3/16"
FP125	1444-0324	13	Yes	Yes	120V	88 Amps	20%	1/4"
FP135	1444-0326	14	Yes	Yes	120V	90 Amps	40%	1/4"
FP165	1444-0328	15	Yes	Yes	230V	130 Amps	20%	3/8"
FP260	1444-0312	16	Yes	Yes	230V	200 amps	60%	5/8"

TIG • Arc/Stick • GTAW • SMAW • Welders

Model	Part #	Page	AC	DC	Input Voltage	Rated Amps	Rated Cycle Duty	Maximum Thickness
Fabricator 181i	W1003181	5	No	Yes	230V	175 Amps	25%	1/4"
95S	W1003202	26	No	Yes	120V	90 Amps	20%	1/4"
95S	W1003203	26	No	Yes	120V	90 Amps	20%	1/4"
161S	W1003602	27	No	Yes	11/208-230V	160 Amps	30%	5/8"
161S	W1003603	27	No	Yes	115/208-230V	160 Amps	30%	5/8"
161 STL	W1003701	28	No	Yes	115/208-230V	160 Amps	30%	5/8"
201 TS	W1003801	29	No	Yes	115/208-230V	200 Amps	20%	5/8"
ArcMaster® 185 AC/DC	10-3073	33	Yes	Yes	208-230V	185 Amps	30%	3/16"
ArcMaster 200 AC/DC	10-3083	34	Yes	Yes	208-230V	200 Amps	20%	3/16"
ArcMaster 300 AC/DC	10-3074	35	Yes	Yes	208-230V	300 Amps	25%	3/8"
FP100	1443-0402	31	Yes	No	120V	65 Amps	15%	3/16"
FP235 AC/DC	1444-0406	32	Yes	Yes	230V	200 Amps	20%	1/2"

Plasma Systems

Model	Part #	Page	Weight	Requires Shop Air	Input Voltage	Rated Amps	Rated Cycle Duty	Maximum Thickness
AirCut [™] 15C	1-1110-1	38	29 lbs.	No	120V	15 Amps	35%	3/16"
CUTMASTER® 42	1-4200	39	26 lbs.	Yes	120-230V	40 Amps	40%	5/8"
CUTMASTER 52	1-5130-1	40	43 lbs.	Yes	208-230V	60 Amps	40%	1-1/8"
CUTMASTER 82	1-1130-1	41	43 lbs.	Yes	208-230V	80 Amps	40%	1-1/2"
CutSkill® C-20A	1-1625	42	44 lbs.	Yes	120-230V	20 Amps	30%	3/8"
CutSkill C-35A	1-1635-1	43	44 lbs.	Yes	230V	35 Amps	35%	1/2"
Cutskill C-70A	1-1670-1	44	66 lbs.	Yes	230V	70 Amps	35%	1"



Fabricator° **181i** Part No. W1003181 *3 in 1 Welding System*

Machine Specifica	ntions	
Maximum output		180 Amp
MIG (GMAW/FCAW)	Welding	180A / 23V @ 20% Duty Cycle
Output @104°F (40°C)	145A / 22.5V @ 30% Duty Cycle
STICK (SMAW) Weld	ing	175A / 27V @ 20% Duty Cycle
Output @104°F (40°C)	140A / 25.6V @ 30% Duty Cycle
TIG (GMAW) Welding	1	175A / 17V @ 25% Duty Cycle
Output @104°F (40°C)	160A / 16.4V @ 30% Duty Cycle
Current range		10 - 180 Amp
MIG Welding Voltage I	Range	10 - 25 Volt
Wire Diameter Range	Mild steel:	.023"035" (0.6 - 0.9mm)
Sta	inless steel:	.023"035" (0.6 - 0.9mm)
	Aluminum:	.030"035" (0.8 - 0.9mm)
	Flux cored:	.030"045" (0.8 - 1.2mm)
Fitted feed roll suits M	IG wire	.023"030" / .035" (0.6 - 0.8 / 0.9mm)
Dimensions (H x W x	D)	16.14" x 8.27" x 17.72"
		(410 x 210 x 450mm)
Weight		32.2 lbs. (14.6 kg)



The new Thermal Arc® Fabricator 181i is the only product of its kind. It features MIG, Stick and TIG processes — complete in one unit. It's the lightweight system that has changed the game.

This portable powerhouse is designed to take on any MIG, Stick or TIG job it meets. It delivers up to 180 Amps of welding power and weighs less than 33 lbs.

The compact 181i delivers the flexibility you need in the field, including applications like:

- Automotive
- · Farm and Ranch
- · Light Fab Professionals
- Technical Hobbyists
- Welders
- Do-It-Yourselfers
- Construction
- Manufacturing
- · Maintenance and Repair
- · Educational Institutions

3-processes. One machine. There's never been a portable power system like this before.

Primary Power	
Primary voltage	208/230 VAC
Supply plug	NEMA 6-50P
Lead cord length	9 ft (2.75m)
Maximum input current @ 140 Amp	37 Amp
Rated kVA @ 90 Amps	9 kVA

Package Options	
Fabricator 181i package	W1003181
• Fabricator 181i package w/ Cart	W1003182



Fabricator 140 Part No. W1002500

Machine Specifications	
Maximum output	140 Amp
Duty cycle @ 104°F	20% @ 90 Amp at 18.5V
Current range	30-140 Amp
Number of voltage settings	4
Welding voltage range	16.3-20 Volt
Maximum plate thickness	3/16" (4.8mm)
Wire diameter range Mild steel:	.023"035" (0.6 - 0.9mm)
Stainless steel:	.023"035" (0.6 - 0.9mm)
Aluminum:	.030"035" (0.8 - 0.9mm)
Flux cored:	.030"045" (0.8 - 1.2mm)
Fitted feed roll suits MIG wire	.023"030" / .035" (0.6 - 0.8 / 0.9mm)
Dimensions (HxWxD)	15.8" x 8.9" x 21.3" (400x255x540mm)
Weight	70 lbs. (31.8kg)



The new portable Fabricator 140 dual purpose wire welder delivers a very versatile and effective welding performance. With its simple operation and key set up chart even the novice can achieve high quality, professional results. This system features a quick change internal polarity adjustment to change between MIG (GMAW) and flux cored (FCAW) welding. Designed to operate from a standard household outlet and delivers a high maximum output of 140 amps. The ready to weld system comes complete with Tweco® WeldSkill® gun, return cable & clamp, input power cord & plug, spool of flux cored wire and an operating manual. Fabricator 140's high output and duty cycle makes this a great all round package. Optional cart and aluminum welding spool gun is also available.

Applications Include:

- · Home DIY Hobbyist
- Farm / Ranch
- · Maintenance and repairs
- · General light duty fabrication & repair
- · Sheet metal fabrication
- · Auto body repairs

Primary Power	
Primary voltage	120 Volt
Supply plug	NEMA 5-15P
Lead cord length	6 ft. (1.8m)
Maximum input current @ 140 Amp	24 Amp
Rated kVA @ 90 Amps	2.8 kVA

Package Options	
Fabricator 140 package	W1002500
• Fabricator 140 package w/ Cart	W1002501
• Fabricator 140 package w/ Spool Gun	W1002502
Fabricator 140 package w/ Cart & Spool Gun	W1002503



Fabricator 180 Part No. W1002600

Machine Specifications	
Maximum output	180 Amp
Duty cycle @ 104°F	25% @ 130 Amp at 20.5V
Current range	30-180 Amp
Number of voltage settings	6
Welding voltage range	16-20.5 Volt
Maximum plate thickness	5/16" (7.9mm)
Wire diameter range Mild steel:	.023"035" (0.6 - 0.9mm)
Stainless steel:	.023"035" (0.6 - 0.9mm)
Aluminum:	.030"035" (0.8 - 0.9mm)
Flux cored:	.030"045" (0.8 - 1.2mm)
Fitted feed roll suits MIG wire	.023"030" / .035" (0.6 - 0.8 / 0.9mm)
Dimensions (HxWxD)	15.8" x 8.9" x 21.3" (400x255x540mm)
Weight	81 lbs. (36.8kg)



The new portable Fabricator 180 dual purpose wire welder delivers a very versatile and effective welding performance. With its simple operation and key set up chart even the novice can achieve high quality, professional results. This system features a quick change internal polarity adjustment to change between MIG (GMAW) and flux cored (FCAW) welding. Designed to operate from a standard 230 Volt outlet and delivers a high maximum output of 180 amps. The ready to weld system comes complete with Tweco® WeldSkill® gun, return cable & clamp, input power cord & plug, spool of flux cored wire and an operating manual. Fabricator 180's high output and duty cycle makes this a great all round package. Optional cart and aluminum welding spool gun is also available.

Applications Include:

- · Home DIY Hobbyist
- Farm / Ranch
- · Maintenance and repairs
- · General light duty fabrication & repair
- · Sheet metal fabrication
- · Auto body repairs

Primary Power	
Primary voltage	230 Volt
Supply plug	NEMA 6-50P
Lead cord length	6 ft. (1.8m)
Maximum input current @ 140 Amp	21 Amp
Rated kVA @ 130 Amps	5 kVA

Package Options	
 Fabricator 180 package 	W1002600
 Fabricator 180 package w/ Cart 	W1002601
• Fabricator 180 package w/ Spool Gun	W1002602
• Fabricator 180 package w/ Cart & Spool Gun	W1002603



Fabricator 190 Part No. W1001500 The affordable workhorse

Machine Specifications	
Maximum output	190 Amp
Duty cycle @ 104°F	15% @ 190 Amp at 23.4V
Output @ 30% duty cycle @ 104°F	145 Amp at 22V
Current range	30-190 Amp
Number of voltage settings	8
Welding voltage range	15.8-25 Volt
Maximum plate thickness	5/16" (7.9mm)
Wire diameter range Mild steel:	.023"035" (0.6 - 0.9mm)
Stainless steel:	.023"035" (0.6 - 0.9mm)
Aluminum:	.030"035" (0.8 - 0.9mm)
Flux cored:	.030"045" (0.8 - 1.2mm)
Fitted feed roll suits MIG wire	.023"030" / .035" (0.6 - 0.8 / 0.9mm)
Dimensions (HxWxD)	33" x 16.3" x 34.1" (838x414x866mm)
Weight	128 lbs. (58kg)

* NOT SPOOL GUN CAPABLE *

The Fabricator 190 is a 230 Volt integrated MIG machine with a high 190 Amp maximum output, 8 voltage steps, spot timer and industrial spool capacity of 33/44 lb. Supplied as standard with a wheel kit, cylinder rack, regulator and quality Tweco® WeldSkill® gun. Fabricator 190's standard features plus its comprehensive setup chart makes this package ideal for car panel and sheetmetal fabrication up to 5/16" (7.9mm) plate.

Applications include:

- · Auto body repairs
- Farm/Ranch
- · Maintenance and repairs
- Hobbyist
- · Sheet metal fabrication

Primary Power	
Primary voltage	230 Volt
Supply plug	NEMA 6-50P
Lead cord length	10ft (3m)
Maximum input current @ 190 Amp	34 Amp
Rated kVA @ 190 Amps	7.9 kVA

Supplied with

MIG gun

For more information visit: www.thermalarc.com



Fabricator° **210** Part No. 100047B-001 The essential sheetmetal companion

Machine Specifica	ations	
Maximum output		250 Amp
Duty cycle @ 104°F		30% @ 250 Amp at 26.2V
Output @ 40% duty cy	/cle @ 104°F	210 Amp at 25.3V
Output @ 60% duty cy	/cle @ 104°F	176 Amp at 23.6V
Output @ 100% duty	cycle @ 104°F	137 Amp at 21.0V
Current range		20-250 Amp
Number of voltage set	tings	16
Welding voltage range	}	15.2-26.2 Volt
Maximum plate thickn	ess	1/2" (12.7mm)
Wire diameter range	Mild steel:	.023"045" (0.6 - 1.2mm)
Sta	ainless steel:	.023"045" (0.6 - 1.2mm)
	Aluminum:	.030"045" (0.8 - 1.2mm)
	Flux cored:	.030"045" (0.8 - 1.2mm)
Fitted feed roll suits M	IIG wire	.035"045" (0.9 - 1.2mm)
Dimensions (HxWxD)		32" x 21" x 36.8" (813x533x935mm)
Weight		200 lbs. (91kg)



The Fabricator 210 is a 208-230 Volt integrated MIG machine with a leading performance of 250 Amp maximum output @ 30% duty cycle, 16 voltage steps, spool gun ready and spot/stitch timers. Supplied as standard with a wheel kit, cylinder rack, regulator, comprehensive setup chart and quality Tweco® WeldSkill® gun. The Fabricator 210 is extremely versatile with an optimized low-end performance for .023" (0.6mm) down to 20 Amps and a top end of 250 Amps to comfortably run .045" (1.2mm) wires. Fabricator 210 is the ideal choice for sheetmetal work, training schools and light fabrication up to 1/2" (12.7mm) plate.

Applications include:

- · Auto body repairs
- · Farm/Ranch
- · Maintenance and repairs
- Hobbyist
- · Vocational schools
- · Technical schools
- · Light fabrication
- · Aluminum welding with a spool gun

Primary Power	
Primary voltage	208/230 Volt
Supply plug	NEMA 6-50P
Lead cord length	10 ft. (3m)
Maximum input current @ 250 Amp	54/49 Amp
Rated kVA @ 250 Amps	11.2 kVA

Additional Features

- · Spool gun compatible
- · Easy spool gun fit-up, with no tools required
- Spot, stitch and dwell timers
- Storage box for consumable parts, drive rolls, etc

For more information visit:

www.thermalarc.com



Fabricator° **251** Part No. 100048D-002 **The accomplished all-rounder**

Machine Specifica	ntions	
Maximum output		300 Amp
Duty cycle @ 104°F		40% @ 300 Amp at 31.7V
Output @ 60% duty cy	/cle @ 104°F	250 Amp at 26.5V
Output @ 100% duty of	cycle @ 104°F	195 Amp at 24V
Current range		20-300 Amp
Number of voltage set	tings	24
Welding voltage range		14.5-31.7 Volt
Maximum plate thickn	ess	5/8" (15.9mm)
Wire diameter range	Mild steel:	.023"045" (0.6 - 1.2mm)
Sta	inless steel:	.023"045" (0.6 - 1.2mm)
	Aluminum:	.030"063" (0.8 - 1.6mm)
	Flux cored:	.030"063" (0.8 - 1.6mm)
Fitted feed roll suits M	IG wire	.035"045" (0.9 - 1.2mm)
Dimensions (HxWxD)		32" x 27.2" x 36.8" (813x691x935mm)
Weight		227 lbs. (103kg)



The Fabricator 251 is a 208-230 Volt integrated MIG machine with a best in class performance of 300 Amp maximum output @ 40% duty cycle (250 Amp @ 60%), 24 voltage steps, spool gun operation on demand, digital meters and spot/stitch timers. Supplied as standard with a wheel kit, dual cylinder rack, regulator, comprehensive setup chart and quality Tweco* WeldSkill* gun. The Fabricator 251 is also extremely versatile with an optimized low end performance for .023" (0.6mm) down to 20 Amps and a top end of 300 Amps to comfortably run 1/16" (1.6mm) wires. Fabricator 251 is the ideal choice for sheetmetal work, training schools and light to medium fabrication up to 5/8" (15.9mm) plate.

Applications include:

- · Light to medium fabrication
- Farm/Ranch

MIG gun

- · Maintenance and repairs
- · Vocational schools
- · Technical schools
- · Sheet metal fabrication
- · Aluminum welding with a spool gun

Primary Power	
Primary voltage	208/230 Volt
Supply plug	NEMA 6-50P
Lead cord length	10 ft. (3m)
Maximum input current @ 300 Amp	68/62 Amp
Rated kVA @ 300 Amps	15 kVA

Additional Features

- Spool gun compatible with automatic switching
- · Easy spool gun fit-up, with no tools required
- · Spot, stitch and dwell timers
- Storage box for consumable parts, drive rolls, etc
- · Digital meter



Fabricator 281 Part No. W1001600 The versatile heavyweight all-rounder

Machine Specifica	ations	
Maximum output		300 Amp
Duty cycle @ 104°F		40% @ 300 Amp at 31.7V
Output @ 60% duty c	ycle @ 104°F	250 Amp at 26.5V
Output @ 100% duty	cycle @ 104°F	195 Amp at 24V
Current range		20-300 Amp
Number of voltage set	tings	24
Welding voltage range)	14.5-31.7 Volt
Maximum plate thickn	ess	5/8" (15.9mm)
Wire diameter range	Mild steel:	.023"045" (0.6 - 1.2mm)
Sta	ainless steel:	.023"045" (0.6 - 1.2mm)
	Aluminum:	.030"045" (0.8 - 1.2mm)
	Flux cored:	.030"063" (0.8 - 1.6mm)
Fitted feed roll suits M	IIG wire	.035"063" (0.9 - 1.6mm)
Dimensions (HxWxD)		32" x 27.2" x 36.8" (813x691x935mm)
Weight		249 lbs. (113kg)

251 in standard features and performance including best in class output of 300 Amp @ 40% duty cycle (250 Amp @ 60%). However, the 281 has a complete separate wirefeeder system with 26 feet of interconnecting cables from the power source. The wirefeeder conveniently fits on a pivot mount on top of the power source. The wirefeeder can simply be lifted off the pivot and carried up on top of equipment or machinery, 26 feet away. Additionally the spool gun connects to the wirefeeder allowing even further distance. The Fabricator 281 is the most versatile all-round performer in the range. Applications include: · Agricultural equipment manufacture and repair

The Fabricator 281 is identical to the popular Fabricator

- · Transport equipment manufacture and repair
- Farm/Ranch
- General maintenance and repairs
- · Light to medium fabrication
- · Aluminum welding with a spool gun



208/230 Volt
NEMA 6-50P
10 ft. (3m)
68/62 Amp
15 kVA

Additional Features

- Separate wirefeeder with 26 ft. (8m) interconnecting cables
- · Spool gun compatible with automatic switching
- · Easy spool gun fit-up, with no tools required
- · Spot, stitch and dwell timers
- · Storage box for consumable parts, drive rolls, etc
- · Digital meter



FP-95 Part No. 1444-0322 Flux Cored Welding System

Machine Specifications	
Maximum output	90 Amp
Duty cycle @ 104°F	15% @ 80 Amp at 17.5V
Current range	20-90 Amp
Number of voltage settings	2
Maximum plate thickness	3/16" (4.8mm)
Wire diameter range	.030"035" (0.8 - 0.9mm)
Dimensions (HxWxD)	11" x 7.75" x 14.5" (340x195x370mm)
Weight	45 lbs. (20.6kg)



The new portable FP-95 flux-cored wire welder delivers a basic yet effective welding performance. With its simple operation and key set up chart even the novice can achieve high quality, professional results. This system is designed to operate from a standard household outlet and delivers a maximum output of 90 amps. Requiring no shielding gas, it's ideal for outside use. The ready to weld system comes complete with Tweco® WeldSkill® gun, return cable & clamp, input power cored & plug, spool of flux cored wire and an operating manual. Optional cart also available.

Applications Include:

- · Home DIY Hobbyist
- Farm / Ranch
- · Maintenance and repairs

Primary Power	
Primary voltage	120 Volt
Supply plug	NEMA 5-15P
Lead cord length	4 ft. (1.2m)
Rated kVA @ 90 Amps	2.5 kVA



FP-125 Part No. 1444-0324 MIG/Flux Cored Welding System

110 Amp
20% @ 88 Amp at 18V
20-125 Amp
4
1/4" (6mm)
.023"035" (0.6 - 0.9mm)
12.75" x 9.75" x 17.35" (375x250x440mm)
51 lbs. (23.5kg)

The FP-125 dual-purpose MIG welder offers maximum versatility. The unit features quick-change internal polarity adjustment that makes changing from MIG (GMAW) to flux cored (FCAW) welding quick and easy. With a standard 115 volt household current, it is suitable to use for home projects, but its versatility and 20% duty cycle also makes it ideal for medium duty general repair work and light industrial applications.

Applications include:

- · Maintenance and repairs
- Farm/Ranch
- · Home DIY Hobbyist



Primary Power	
Primary voltage	120 Volt
Supply plug	NEMA 5-15P
Lead cord length	6 ft. (1.8m)
Rated kVA @ 90 Amps	2.8 kVA



FP-135 Part No. 1444-0326 **MIG/Flux Cored Welding System**

Machine Specifications	
Maximum output	135 Amp
Duty cycle @ 104°F	40% @ 90 Amp at 18V
Current range	20-135 Amp
Number of voltage settings	4
Maximum plate thickness	1/4" (6mm)
Wire diameter range	.023"035" (0.6 - 0.9mm)
Dimensions (HxWxD)	12.75" x 9.75" x 17.35" (375x250x440mm)
Weight	56 lbs. (25.5kg)

The new portable FP-135 dual purpose wire welder delivers a very versatile and effective welding performance. With its simple operation and key set up chart even the novice can achieve high quality, professional results. This system features a quick change internal polarity adjustment to change between MIG (GMAW) and flux cored (FCAW) welding. Designed to operate from a standard household outlet and delivers a high maximum output of 135 amps. The ready to weld system comes complete with Tweco® WeldSkill® gun, return cable & clamp, input power cord & plug, spool of flux cored wire and an operating manual. FP-135's high output and duty cycle makes this a great all round package. Optional cart also available.



- · Home DIY Hobbyist
- · Farm / Ranch
- Maintenance and repairs
- · General light duty fabrication & repair



Primary Power	
Primary voltage	120 Volt
Supply plug	NEMA 5-15P
Lead cord length	6 ft. (1.8m)
Rated kVA @ 90 Amps	2.8 kVA

FP-135 Welding Kit Part No. 1444-0346

Package Includes:

- FP135 MIG Welder
- MIG Welder Cart
- Wire Brush
- · Auto-Darkening Helmet
- Chipping Hammer





FP-165 Part No. 1444-0328 MIG/Flux Cored Welding System

Machine Specifications	
Maximum output	165 Amp
Duty cycle @ 104°F	20% @ 130 Amp at 30V
Current range	20-165 Amp
Number of voltage settings	4
Maximum plate thickness	3/8" (9mm)
Wire diameter range	.023"035" (0.6 - 0.9mm)
Dimensions (HxWxD)	12.75" x 9.75" x 17.35" (375x250x440mm)
Weight	60 lbs. (27.3kg)

The new portable FP-165 dual purpose wire welder delivers a very versatile and effective welding performance. With its simple operation and key set up chart even the novice can achieve high quality, professional results. This system features a quick change internal polarity adjustment to change between MIG (GMAW) and flux cored (FCAW) welding. Designed to operate from a standard 230V outlet and delivers a high maximum output of 165 amps. The ready to weld system comes complete with Tweco® WeldSkill® gun, return cable & clamp, input power cord & plug, spool of flux cored wire and an operating manual. Optional cart available.

Applications Include:

- · Home DIY Hobbyist
- · Farm / Ranch
- · Maintenance and repairs
- · General light duty fabrication & repair

Primary Power	
Primary voltage	230 Volt
Supply plug	NEMA 6-50P
Lead cord length	6 ft. (1.8m)
Rated kVA @ 90 Amps	2.8 kVA

FP-165 Welding Kit Part No. 1444-0348

Package Includes:

- FP165 MIG Welder
- MIG Welder Cart
- Wire Brush
- · Auto Darkening Helmet
- Chipping Hammer





FP-260 Part No. 1444-0312 **Welding System**

Machine Specifications	
Maximum output	270 Amp
Duty cycle @ 104°F	60% @ 200 Amp at 30V
Current range	20-270 Amp
Number of voltage settings	7
Maximum plate thickness	5/8" (16mm)
Wire diameter range	.023"045" (0.6 - 1.2mm)
Dimensions (HxWxD)	31" x 19.5" x 33" (375x250x440mm)
Weight	60 lbs. (27.3kg)

The FP-260 dual purpose wire welder delivers a very versatile and effective welding performance. This system features a quick change internal polarity adjustment to change between MIG (GMAW) and flux cored (FCAW) welding. Designed to operate from a standard 230V outlet and delivers a high maximum output of 270 amps. The ready to weld system comes complete with Tweco® WeldSkill® gun, return cable & clamp, input power cord & plug and an operating manual. This system offers industrial grade performance at an affordable price. A spool gun option for welding aluminum is also available.

Applications Include:

- · Home DIY Hobbyist
- Farm / Ranch
- · Maintenance and repairs
- · General light duty fabrication & repair
- Light industrial

		•
	Pirepower G	Pri Prii Sup Lea Rat
8		

Primary Power	
Primary voltage	230 Volt
Supply plug	NEMA 6-50P
Lead cord length	10 ft. (3m)
Rated kVA @ 190 Amps	11.2 kVA
-	-



Tweco® MINI-MIG Gun

The 160 amp, air-cooled Tweco Mini MIG gun is ideal for light-duty, hobby-style do-it-yourself welding applications.

Duty cycle rating

• 60% duty cycle with CO₂ gas at 160 amps

Benefits & features

Reduces operator fatigue

• Light-duty hobby gun

Easy to use

• Designed for do-it-yourself application

Out-of-the-box welding

• Fully assembled, ready to use MIG gun

Included features

- · Air-cooled MIG gun
- Wire size capacity .030" .035" (0,8mm 0,9mm)
- Gun lengths in 10 ft (3M) and 12 ft (4M)

Optional kits

• Kits for Miller® rear connection and Lincoln® rear connection

Stock No. 1000-1131 (Part No. 35-10) 10 ft. (3M)

Stock No. 1000-1132 (Part No. 35-12) 12 ft. (4M)

Stock No. 1000-1101 (Part No. HB35M-10)

MIG Hobby Kit for Miller rear connection

Stock No. 1000-1100 (Part No. HB35L-10)

MIG Hobby Kit for Lincoln rear connection

Tweco Spray Master 250 MIG Gun

The 250 amp, air-cooled Tweco Spray Master is the coolest MIG gun for spray transfer welding applications.

Duty cycle rating

• 80% duty cycle with Argon mixed gas at 250 amps

Benefits & features

Reduces operator fatigue

• With its ergonomic handle design

Ease of installation and ease of use

· With its simplified direct rear plug

Easy to repair and maintain

Improves welding productivity

- By using spray and pulse transfer welding with Argon mixed gases
- · Reduces spatter build-up and thereby reduces spatter clean-up time

Out-of-the-box welding

• Fully assembled, ready to use MIG gun

Included features

- · Air-cooled MIG gun
- Wire size capacity .030" .045" (0,9mm 1,2mm)
- Gun lengths in 12 ft. (4M) and 15 ft. (5M)

Stock No. 1023-1101 (Part No. MS212-3545) 12 ft. (4M)

Stock No. 1023-1102 (Part No. MS215-3545) 15 ft. (5M)







Tweco® Professional's Choice #2 MIG Gun

The 200 amp, air-cooled Tweco #2 MIG gun is professional's choice for air-cooled 200 amp MIG welding application.

Duty cycle rating

• 60% duty cycle with CO, gas at 200 amps

Benefits & features

Most preferred gun style

· Industry's most popular handle design

Ease of installation and ease of use

· With its simplified direct rear plug

Easy to repair and maintain

Out-of-the-box welding

• Fully assembled, ready to use MIG gun

Included features

- Air-cooled MIG gun
- Wire size capacity .030" .035" (0,8mm 0,9mm)
- Gun lengths in 10 ft. (3M), 12 ft. (4M), and 15 ft. (5M)

Stock No. 1020-1111 (Part No. 210-3035) 10 ft. (3M) Stock No. 1020-1112 (Part No. 212-3035) 12 ft. (4M)



Tweco Professional's Choice #4 MIG Gun

The 400 amp, air-cooled Tweco #4 MIG gun is the most popular professional's choice gun for air-cooled 400 amp MIG welding application.

Duty cycle rating

• 60% duty cycle with CO2 gas at 400 Amps

Benefits & features

Industry standard MIG gun

· Industry's most popular MIG gun

Ease of installation and ease of use

• With its enhanced direct rear plug

Easy to repair and maintain

- · Out-of-the-box welding
- Fully assembled, ready to use MIG gun

Included features

- · Air-cooled MIG gun
- Wire size capacity .030" .045" (0,9mm 1,2mm)
- Gun lengths in 10 ft. (3M), 12 ft. (4M), and 15 ft. (5M)

Stock No. 1040-1101 (Part No. 410-3545) 10 ft. (3M)

Stock No. 1040-1102 (Part No. 412-3545) 12 ft. (4M)

Stock No. 1040-1103 (Part No. 415-3545) 15 ft. (5M)





Tweco WeldSkill Spool Gun

The 200 amp, air-cooled Spool gun is ideal for your aluminum & stainless steel, and other MIG welding applications.

Duty cycle rating

• 60% duty cycle with CO2 gas at 200 amps

Benefits & features

Reduces operator fatigue

- · With comfortable handle design
- With its lightweight design, weighing 2.8 lbs

Ease of installation and ease of use

· Adjustable wire feed speed control

Improves welding productivity

· Easy spool tension control

Easy to repair and maintain

Out-of-the-box welding

Fully assembled, ready to use MIG spool gun

Included features

- Wire size capacity .023" .035" (0,6mm 0,9mm)
- Gun assembly cable lengths in 25 ft. (8M)

Stock No. 1027-1381 (Part No. WSP225-3545K3)



Firepower Semi-automatic Spool Gun

The 200 amp, Firepower semi-automatic Spool gun is designed to be used with FP-200 & FP-260 for your mild steel and other MIG welding applications.

Duty cycle rating

• 60% duty cycle with CO2 gas at 200 amps

Benefits & features

Reduces operator fatigue

 Compact design maximizes operator control and reduces hand and arm fatigue

Ease of installation and ease of use

- Gun mounted potentiometer enables easy adjustment of wire feed speed control
- 20 ft. quick connect cable system

Improves welding productivity

• Easy spool tension control

Easy to repair and maintain

Out-of-the-box welding

• Fully assembled, ready to use MIG spool gun

Included features

- Wire size capacity .023" .035" (0,6mm 0,9mm)
- Gun assembly cable lengths in 20 ft. (8M)

Part No. 1444-0408





The Tweco® WeldSkill® MIG Gun

Tweco, a leader in the design and manufacture of MIG welding guns and consumable parts, is pleased to introduce an expanded WeldSkill line of innovative, durable MIG guns. These new guns feature a patent-pending design that is easy to maneuver in various welding positions.

The new 140 Amp, 180 Amp and 220 Amp guns are perfect for farm, garage, hobby/DIY, artistic metal working, job shops, and maintenance and repair applications.

The new Tweco guns feature:

- Operator appeal with an ergonomic handle featuring a diamond pattern grip
- Handle that runs cooler than comparable guns because there are no brass blocks inside the handle, making it light weight as well
- Long-life trigger tested at over 1.2 million cycles without failure
- Rugged steel spring strain relief for durability and robustness

Tweco - the most trusted MIG guns in history, and the industry standard for over 40 years.



Models Available Tweco WeldSkill MIG Guns

220 Amp MIG Gun

- 220 Amps at 40% duty cycle
- Typical applications: light fabrication, welding of HVAC, auto-body, RV/campers, farm equipment.

180 Amp MIG Gun

- 180 Amps at 40% duty cycle
- Typical applications: muffler & auto-body repair, garden and farm equipment repair, architectural metal work, fencing & iron gates.

140 Amp MIG Gun

- 140 Amps at 20% duty cycle
- Typical applications: DIY, hobby / home project welding, repair of household appliances such as grills, metal furniture, ornamental welding, welding of metal fence and iron gates.

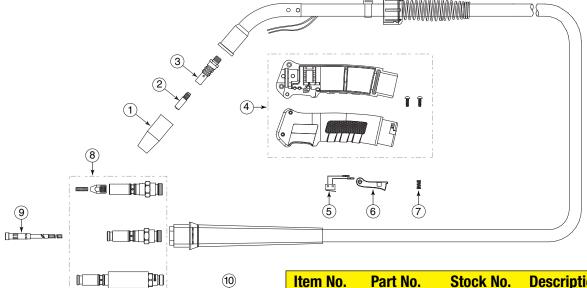




Get the right gun for the job

	140 Amp MI	G Gun*	180 Amp MIG Gun*		* 180 Amp MIG Gun* 220 Amp MIG Gun*		G Gun*	Rear Connector (Replacement)	
Rear Connection	Part Number	Stock Number	Part Number	Stock Number	Part Number	Stock Number	Part Number	Stock Number	
Tweco	WS140T-10-3035	1017-1302	WS180T-12-3035	1017-1306	WS220T-15-3035	1023-1250	350-174H	2035-2110	
Miller	WS140M-10-3035	1017-1303	WS180M-12-3035	1017-1307	WS220M-15-3035	1023-1251	350-174MH	2035-2111	
Lincoln	WS140L-10-3035	1017-1304	WS180L-12-3035	1017-1308	WS220L-15-3035	1023-1252	350-174HXL	2035-2116	
Hobart	WS140H-10-3035	1017-1312	WS180H-12-3035	1017-1313	_	-	MK35-130H	2000-2835	
Euro-Kwik	WS140X-10-3035	1017-1305	WS180X-12-3035	1017-1309	WS220X-15-3035	1023-1253	174EX-1	2040-2276	

^{*}Rear connector supplied as standard.



Item No.	Part No.	Stock No.	Description
1	WS21-50F	1210-1346	Nozzle*
2	WS11-35	1110-1142	Contact Tip*
3	WS51	1510-1140	Gas Diffuser*
	WS80-140	2042-2050	Handle with Screws (WS140 Series)
4	WS80-180	2042-2051	Handle with Screws (WS180 Series)
	WS80-220	2042-2052	Handle with Screws (WS220 Series)
5	WS90	2042-2053	Microswitch with Lead Wires
6	WS90-LEV	2042-2054	Trigger Lever
7	WS90-LEV-S	2042-2055	Trigger Lever Spring (pkg. 5 each)
	350-174H	2035-2110	Rear Connector Plug - Tweco
8	350-174MH	2035-2111	Rear Connector Plug - Miller
0	350-174HXL	2035-2116	Rear Connector Plug - Lincoln
	MK35-130H	2000-2835	Rear Connector Plug - Hobart
9	WS42-3035-15	1420-1140	Conduit Assembly*
10	35K-350-1	2000-2352	Control Wire - Tweco
10	WM354-M	2030-2075	Control Wire - Miller & Lincoln

^{*}Refer to Tweco Catalog (64-2103) for additional options.



WELDING SYSTEM REPLACEMENT MIG GUNS



REPLACEMENT MIG GUNS

Model No.	Part No.	Description
FP-300	1444-0406	MIG Gun Fits FP 200, FP 260 Welders Euro Connect Maximum Output Amps 230/270
FP-200	1444-0413	MIG Gun (Helvi) Fits FP 120, FP 130, FP 160 Welders Maximum Output Amps 120/155 Requires adaptor
	1444-0740	Max output amps 180
	1444-0741	Max output amps 180
	1444-0417	Adaptor for use with Model 1444-0413. Adaptor is required only when replacing a Tweco° style MIG gun with a Helvi gun



Spool gun assembly with 19 ft. cable, 180 Amp @ 30%. No interface kit required, just plug and play. **Part No. W4011100**

MIG NOZZLE INSULATORS



MIG NOZZLE INSULATORS

Model No.	Part No.	Description
FP-32	1444-0075	Insulator for 250 amp gun (2 pk)
FP-34A	1444-0261	Insulator for 400 amp gun (2 pk)

GAS DIFFUSERS



GAS DIFFUSERS

Model No.	Part No.	Description
FP-51	1444-0080	Diffuser for 180 amp gun (2 pk)
FP-52	1444-0165	Diffuser for 250 amp gun (2 pk)
FP-54A	1444-0265	Diffuser for 400 amp gun (2 pk)
FP-35-50	1444-0082	Male Thread diffuser for Tweco style gun
FP-35	1444-0489	Female Thread diffuser for Tweco style gun



Fabricator® MIG Consumables

CONTACT TIPS

Stock No.	Part No.	Description
Fabricator 1	140, 180, 19	0
1110-1100	11-23	.023" (0.6mm)
1110-1101	11-30	.030" (0.8mm)
1110-1102	11-35	.035" (0.9mm)
1110-1103	11-40	.040" (1.0mm)
1110-1104	11-45	.045" (1.2mm)
Fabricator 2	210	
1140-1100	14-23	.023" (0.6mm)
1140-1101	14-30	.030" (0.8mm)
1140-1102	14-35	.035" (0.9mm)
1140-1103	14-40	.040" (1.0mm)
1140-1104	14-45	.045" (1.2mm)
Fabricator 2	251 and 281	
1140-1100	14-23	.023" (0.6mm)
1140-1101	14-30	.030" (0.8mm)
1140-1102	14-35	.035" (0.9mm)
1140-1103	14-40	.040" (1.0mm)
1140-1104	14-45	.045" (1.2mm)

NOZZLES

Stock No.	Part No.	Description	
Fabricator 1	140, 180, 190)	
1210-1100	21-37	3/8" (9.5mm)	
1210-1110	21-50	1/2" (12.7mm)	
1210-1120	21-62	5/8" (16mm)	
Fabricator 2	210		
1220-1101	22-37	3/8" (9.5mm)	
1220-1110	22-50	1/2" (12.7mm)	
1220-1120	22-62	5/8" (16mm)	
Fabricator 251 and 281			
1240-1101	24A-37-SS	3/8" (9.5mm)	
1240-1110	24A-50	1/2" (12.7mm)	
1240-1120	24A-62	5/8" (16mm)	
1240-1130	24A-75	3/4" (19mm)	

CONDUITS

Stock No.	Part No.	Description
Fabricator 1	140, 180, 190 a	and 210
1420-1103	42-23-15	.023", 15ft (7.6m)
1420-1113	42-3035-15	.030"035", 15ft (4.5m)
1420-1123	42-4045-15	.040"045", 15ft (4.5m)
Fabricator 251 and 281		
1420-1103	42-23-15	.023", 15ft (7.6m)
1420-1113	42-3035-15	.030"035", 15ft (4.5m)
1440-1103	44-3545-15	.035"045', 15ft (4.5m)
1440-1003	44N-3545-15	.035"-3/64", 15ft (4.5m)
		·









24A-50

FABRICATOR MIG GUN OPTIONS:

MIG gun options	Fabricator 190	Fabricator 210	Fabricator 251 / 281
Tweco [®] MINI-MIG gun	YES	YES	_
Tweco Spray Master® 250	YES	YES	YES
Tweco Professional #2	YES	YES	_
Tweco Professional #4	-	-	YES
Tweco WeldSkill® Spool Gun	-	YES	YES
Single Cylinder Rack	-	YES	YES



180 AMP MIG GUN CONTACT TIPS

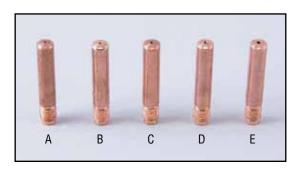


180 Amp MIG Gun Contact Tips

	Model No.	Part No.	Description
Α	FP11-23	1444-0025	.023 wire, Tip ID .031 (10 pk)
В	FP11-30	1444-0026	.030 wire, Tip ID .038 (10 pk)
С	FP11-35	1444-0027	.035 wire, Tip ID .044 (10 pk)
D	FP11-40	1444-0028	.040 wire, Tip ID .048 (10 pk)
Ε	FP11-45	1444-0029	.045 wire, Tip ID .054 (10 pk)

FP = Firepower[®]

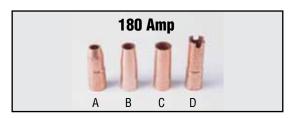
250 & 400 AMP MIG GUN CONTACT TIPS



250 & 400 Amp MIG Gun Contact Tips

		•	•
	Model No.	Part No.	Description
Α	FP14-23	1444-0220	.023 wire, Tip ID .031 (10 pk)
В	FP14-30	1444-0221	.030 wire, Tip ID .038 (10 pk)
С	FP14-35	1444-0222	.035 wire, Tip ID .044 (10 pk)
D	FP14-40	1444-0223	.040 wire, Tip ID .048 (10 pk)
Ε	FP14-45	1444-0224	.045 wire, Tip ID .054 (10 pk)

MIG GUN NOZZLES



250 Amp



Nozzles - 180 Amp Guns

Nozzles - 250 Amp Guns

	Model No.	Part No.	Description
Α	FP22-50	1444-0140	1/2" Bore (1pk)
В	FP22-62	1444-0141	5/8" Bore (1pk)
С	FP22-62-FAS	1444-0142	5/8" Bore, Arc Spot (1pk)
N	Nozzles - 400 Amn Guns		

	Model No.	Part No.	Description
Α	FP24A-50	1444-0240	1/2" Bore (1pk)
В	FP24A-62	1444-0241	5/8" Bore (1pk)
С	FP24A-62-FAS	1444-0242	5/8" Bore, Arc Spot (1pk)



Welding Carts

Benefits & features

Rugged and durable MIG Welding cart holds welding machine on top tray and a single cylinder rack in the bottom tray and the gas bottle can be securely tied down with chains

Part No. 1444-0407 MIG Welding Cart for FP125, FP135, FP165



Small Cart with Running Gear/Cylinder Rack

Sturdy construction. For gas cylinders no larger than 7" (178mm) diameter, maximum weight 75 lbs. (34 kg).

Part No. W4011500



FP-2000 Firepower® Air-Carbon Arc Gouging Torch

The Firepower Arc Gouging Torch is the perfect tool for metal removal applications on the farm, in metal shops and much more. The arc gouging process melts the metal with an electric arc and then blows it away with ordinary compressed air in a single pass!

Benefits & features

Reduces operator fatigue

- Natural 15° torch angle and 360° swivel cable provide comfort and operator ease
- Torch weight is only 3.6 lbs. (1.6 kg)

Applications

- · Bead removal on welded joints
- Back gouging, edge preparation
- Defect repair

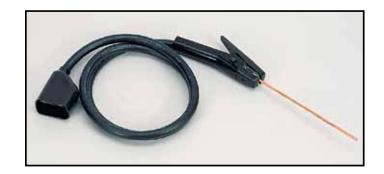
Included features

- Length: 7 ft.
- Rugged construction for the harsh environment

Operating parameters

- Carbon specs: 1/8" (3,2 mm) to 1/4" (6.5mm) round carbon electrodes and is rated up to 450 amps
- Operates with compressed air from 40 PSI (2.8 kg/cm2) to 60 PSI (4.2 kg/cm2)
- Requires a minimum of a 300 amp 3 Phase, arc welding machine. AC or DC; DC preferred

Part No. 1443-0042





95 S Inverter Part No. W1003202 Stick/Lift TIG Welding System

Machine Specifications		
Input voltage	115 VAC 1 Phase 50/60Hz	
Rated output	Stick 90 Amp / 23.6V @ 20% TIG 95 Amp / 13.8V @ 20%	
Nominal OCV	60 Volt	
SMAW Electrode Range	1/16" - 3/32"	
GTAW DC Tungsten Range	.040" - 3/32"	
Dimensions (HxWxD)	13" x 5.1" x 9.0" (330x130x230mm)	
Weight	9.7 lbs. (4.4kg)	



Above: 95S Stick (SMAW) package option - part no. W1003203

The Thermal Arc* 95 S Inverter is a versatile multi-process machine with stick and lift TIG capability. With up to 95 amps of welding power it delivers excellent performance on a wide variety of materials. In DC Lift TIG mode the 95 S provides 95 amps of welding power suitable for a wide range of materials from Chrome-Moly and steel tubing to general fabrication of mild and stainless steels. Delivering a superior smooth and stable arc performance down to 5 amps for the thinnest of materials. Extremely lightweight and portable yet designed to handle the toughest jobs.

Applications include:

- · Maintenance and repairs
- · Sheet metal fabrication
- · Farm/Ranch
- · Auto body repair
- · Home DIY Hobbyist

Primary Power		
Primary voltage	115 Volt	
Supply plug	NEMA 5-15P	
Lead cord length	6 ft. (1.8m)	
Maximum input current @ 140 Amp	24 Amp	
Rated kVA @ 190 Amps	2.8 kVA	

Package Options	
• 95S Stick (SMAW) package	W1003202
95S TIG (GTAW) package	W1003203



Thermal Arc 161 S Stick/Lift TIG Welding System Part No. W1003602

Machine Specifications	
Input Voltage	115/208-230 VAC, 1 PH, 50/60 Hz
Rated Output 115V	Stick 100A/ 24V @35%, TIG 110A/ 14.4V @30%
Rated Output 230V	Stick 160A/ 26.4V @30%, TIG 160A/ 16.4V @30%
Nominal OCV	71V
Max OCV	65
Dimensions (HxWxD)	9.0" (229mm) x 5.3" (135mm) x 15.5" (394mm)
Weight	17.4 lbs. (7.9kg)



Above: 161 S Stick (SMAW) package option - part no. W1003602

The Thermal Arc 161 S Portable DC Welder is designed for Stick & Lift TIG welding operations and provides a greater range of output for the advanced hobbyist or light industrial applications. It is capable of delivering 110 Amps on 115 Volt circuits for Stick & TIG welding. When used on 208-230 Volt circuits, maximum output is 160 Amps for either welding process. This welder features optimized hot start and arc-force circuits delivering superior arc starting and control when stick welding.

Applications include:

- · Home Hobbyists
- · Farm and ranch
- Educational institutions
- · Maintenance and Repair

Primary Power	
Primary voltage	115/208-230V
Hertz	50/60 Hz
Phase	1 PH
Designed to	IP23S
Approvals EN	60974-1

Package Options		
• 161 S Stick (SMAW) pack	age W1003602	
• 161 S TIG (GTAW) packag	e W1003603	

For more information visit:

www.thermalarc.com



Thermal Arc 161 STL Stick/Lift TIG Welding System Part No. W1003701

Machine Specifications	
Input Voltage	115/208-230 VAC, 1 PH, 50/60 HZ
Rated Output 115V	Stick 100A/ 24V @45%, TIG 150A/ 16V @34%
Rated Output 230V	Stick 160A/ 26.4V @30%, TIG 160A/ 16.4V @30%
Nominal OCV	71V
Dimensions (HxWxD)	9.0" (229mm) x 5.3" (135mm) x 17.7" (450mm)
Weight	21.6 lbs. (9.7kg)



Above: 161 STL Stick (SMAW) package option - part no. W1003701

The Thermal Arc 161 STL Portable DC Welder is designed to provide increased control and superior arc performance for tackling more demanding DC Stick and Lift TIG welding applications. It is capable of delivering up to 125 Amps on 115 volt circuits for Stick welding and 160 Amps for TIG. When used on 208-230 Volt circuits, maximum output is 160 Amps for either welding process. The 161 STL features optimized hot start and user adjustable arc-force circuits delivering superior arc starting and control when Stick welding. It also features improved control when DC Lift TIG welding: the 161 STL includes a trigger hold function (2T/4T), down slope timer, a gas solenoid for flow through gas and the ability to use torch switch or foot control accessories. The TIG torch included in the package has an integrated amperage control dial and on/ off switch, which allows for the ultimate in welding control and simplicity.

Applications include:

- Home Hobbyists
- · Farm and ranch
- Educational institutions
- · Maintenance and Repair

Primary Power	
Primary voltage	115/208-230V
Hertz	50/60 Hz
Phase	1 PH
Designed to	IP23S
Approvals EN	60974-1

Package Options	
• 161 STL Stick/Lift TIG package	W1003701

THERMAL ARC.

Thermal Arc 201 TS Stick/Lift TIG Welding System Part No. W1003801

Machine Specifications		
Rated Output:		
Stick 115V, 15A	22.8V @ 70%	
TIG 115V, 15A	14V @ 60%	
Stick 115V, 20A	24.4V @ 30%	
TIG 115V, 20A	16.4V @ 30%	
Stick 230V 200A	28.0V @ 20%TIG 230V 200A / 18.0V @ 20%	
Nominal OCV	71V	
Dimensions (HxWxD)	9.0" (229mm) x 5.3" (135mm) x 17.7" (450mm)	
Weight	21.6 lbs. (9.7kg)	



The Thermal Arc 201 TS Portable DC Welder packs a serious punch and is ideal for tradesmen or welders with more demanding requirements. Powerful yet compact and portable, the 201TS can deliver 125 Amps on 115 Volt circuits for Stick welding and 160 Amps for TIG. When used on 208-230 Volt circuits, maximum output is 200 Amps for either welding process. The 201 TS features optimized hot start and user adjustable arc-force circuits delivering superior arc starting and control when Stick welding. The power source has High Frequency or Lift TIG circuitry for TIG welding and includes a trigger hold function (2T/4T), down slope timer, gas solenoid for flow through gas and the ability to use torch switch or foot control accessories. The TIG torch included in the package has an integrated amperage control dial and on/off switch, which allows for the ultimate in welding control and simplicity.

Applications include:

- · Home Hobbyists
- · Farm and ranch
- · Educational institutions
- · Maintenance and Repair

Primary Power	
Primary voltage	115/208-230V
Hertz	50/60 Hz
Phase	1 PH
Designed to	IP23S
Approvals EN	60974-1

Package Options	
• 201 TS Stick/Lift TIG package	W1003801



Thermal Arc° 95 S, 161 S, 161 STL and 201 TS Consumables



Consumable/Replacement Parts		
Item Number	Description	
FPW 1442-0002	Backcap	
FPW 1442-0003	Collet .040	
FPW 1442-0004	Collet 1/16"	
FPW 1442-0005	Collet 3/32"	
FPW 1442-0006	Collet Body .040	
FPW 1442-0007	Collet Body 1/16"	
FPW 1442-0008	Collet Body 3/32"	
FPW 1442-0009	Cup Alumina 4	
FPW 1442-0010	Cup Alumina 5	
FPW 1442-0011	Cup Alumina 6	
FPW 1442-0012	TIG Accessory Kit	
FPW 1442-0013	Tungsten .042 2% Thoriated	
FPW 1442-0014	Tungsten 1/16" 2% Thoriated	
FPW 1442-0015	Tungsten 3/32" 2% Thoriated	





FP-100 Part No. 1443-0412 **Welding System**

Machine Specifications	
Output range	5-85 amps (120V)
Rated Output @ Duty Cycle	65A @ 15% Duty Cycle (120V)
Max OCV	65
Consumable Size	1/16" to 3/32" STICK electrode
Dimensions (HxWxD)	11.5" x 9" x 13.3" (290x225x338mm)
Weight	27 lbs. (12kg)



Enjoy the convenience of arc welding repairs at an affordable price. The FP-100 operates on standard 120 volt household current and is designed to be simple to operate. The FP-100 portable arc welding system features AC welding output as well as infinite amperage control making it easy for even novice welders to obtain professional results. The rugged easy grip handle and its light weight make this unit both practical and portable. The FP-100 is ideal for home, farm and light maintenance repairs.

Applications include:

- · Home DIY hobbyist
- Farm/ranch
- · Maintenance & repairs
- · General fabrication

Primary Power	
Primary voltage	120 Volt
Supply plug	NEMA 5-15P
Lead cord length	6 ft. (1.8m)
Rated kVA @ 85 Amps	2.5 kVA



FP-235 AC/DC Part No. 1443-0416 **Welding System**

Machine Specifications	
Output range	20-235 amps (230V)
Rated Output @ Duty Cycle	200A @ 20% AC Duty Cycle 135A @ 20% DC Duty Cycle
Max OCV	65
Consumable Size	1/1" - 5/32" STICK electrode
Dimensions (HxWxD)	23" x 17.5" x 14" (597x441x360mm)
Weight	113 lbs. (51kg)



The FP-235 AC/DC provides powerful 235 Amp AC/185 Amp DC Arc (SMAW) welding performance at an affordable price. DC output produces better visual welds, with more control and less splatter. Its the preferred method for overhead out of position welding. The FP-235 features infinite amperage adjustment, which provides precise welding control. This versatile unit is ideal for both light and heavy-duty repairs. The FP-235's rugged, portable design delivers the reliability and performance to make it an ideal unit for general fabrication as well as farm, ranch, automotive and light maintenance repairs.

Applications include:

- Home DIY hobbyist
- Farm/ranch
- Maintenance & repairs
- · General fabrication

230V
NEMA 6-50P
6ft (1.8m)



ArcMaster® 185 AC/DC Inverter TIG Welding System Part No. 10-3073 **Compact and portable**

Machine Specifications	
Input Voltage	208/230 VAC, 1 Phase
Input Frequency	50/60 Hz
Output range	5-185 amps DC mode TIG 10-185 amp AC mode TIG (60Hz cleaning 50%) 5-160 amp DC mode STICK 10-160 amp AC mode STICK
Rated Output @ Duty Cycle	185A / 17.4V @ 30% TIG 160A / 27V @ 40% STICK
Max OCV	65
SMAW Electrode Range	3/32" - 5/32"
GTAW DC Tungsten Range	.040" - 5/32"
Dimensions (HxWxD)	14.2" x 7.1" x 16.5" (360 x 180 x 420mm)
Weight	37.5 lbs. (17kg)



The Thermal Arc® ArcMaster 185 AC/DC is a multi voltage, full digital control, AC/DC, Stick/ Lift TIG/ HF TIG inverter power supply. Standard features include: high frequency start, lift TIG start, up/ down slope, pulse, repeat (latch) function, spot timer, job Save & Load, VRD and cellulose E6010 compatibility. This is the ultimate unit designed for precision TIG and Stick welding of all weldable materials. Superior, true square wave output combines with highly developed balance and cleaning features to deliver an unbeatable welding performance with extended tungsten life on aluminum and magnesium alloys without the need for continuous high frequency.

Features:

- Fully featured with outstanding TIG welding performance
- E6010 Stick (Cellulose) compatible
- · Rapid Pulse output
- Job Save & Load
- Smart Logic[®] and Easy Link multi voltage 208/230 VAC, single phase
- Embedded microprocessor with digital controls
- Intelligent heat sensing fan operating on demand
- Standards compliant integrated voltage reducing device (VRD)
- · Intelligent self diagnostic
- · Compact and portable

Package Options

- 185 ACDC w/ air cooled 150 Amp TIG 10-3073A-1 torch &accessory kit, work clamp, stick electrode holder, Argon regulator, gas hose & foot control
- 185 ACDC w/ air cooled 150 Amp TIG 10-3073A-2 torch with built-in on/off switch, work clamp, Argon regulator



ArcMaster® 200 AC/DC Inverter TIG Welding System Part No. 10-3083 Portable with maximum flexibility

Machine Specifications	
Input Voltage	208/230/460 VAC, 1 & 3 Phase
Input Frequency	50/60 Hz
Output range	5-200 amp DC mode TIG 10-200 amp AC mode TIG (60Hz cleaning 50%) 5-160 amp DC mode STICK 10-160 amp AC mode STICK
Rated Output @ Duty Cycle	200A / 18V @ 20% TIG 160A / 26V @ 40% STICK
Max OCV	65
SMAW Electrode Range	3/32" - 5/32"
GTAW DC Tungsten Range	.040" - 5/32"
Dimensions (HxWxD)	14.2" x 7.1" x 16.5" (360 x 180 x 420mm)
Weight	37.5 lbs. (17kg)



The Thermal Arc* ArcMaster 200 AC/DC is the same full digital control, AC/DC, Stick/ Lift TIG/ HF TIG inverter power supply as the 200 AC/DC with a higher output and expanded input voltage capabilities for maximum user flexibility. Standard features include: High frequency start, lift TIG start, up/ down slope, pulse, repeat (latch) function, spot timer, job Save & Load, VRD and cellulose E6010 compatibility. This is the ultimate unit designed for precision TIG and Stick welding of all weldable materials. Superior, true square wave output combines with highly developed balance and cleaning features to deliver an unbeatable welding performance with extended tungsten life on aluminum and magnesium alloys without the need for continuous high frequency.

Features:

- Fully featured with outstanding TIG welding performance
- E6010 Stick (Cellulose) compatible
- · Rapid Pulse output
- Job Save & Load
- Smart Logic* and Easy Link multi voltage 208/230/460 VAC, single and three phase.
- · Embedded microprocessor with digital controls
- Intelligent heat sensing fan operating on demand
- Standards compliant integrated voltage reducing device (VRD)
- · Intelligent self diagnostic
- · Compact and portable

Package Options

- 200 ACDC w/ air cooled 200 Amp TIG 10-3083A-1 torch & accessory kit, work clamp, stick electrode holder, Argon regulator, gas hose & foot control
- 200 ACDC w/ air cooled 200 Amp TIG 10-3083A-2 torch with built-in on/off switch, work clamp, Argon regulator

THERMAL ARC.

TIG/Arc/Stick Welders

ArcMaster® 300 AC/DC Inverter TIG Welding System Part No. 10-3074 **Powerful and portable with maximum flexibility**

Machine Specifications	
Input Voltage	208/230/460 VAC, 1 & 3 Phase
Input Frequency	50/60 Hz
Output range	5-300 amp DC mode 5-300 amp AC mode TIG (60Hz cleaning 50%)
Rated Output @ Duty Cycle	300A / 32V @ 25% (1/3 Phase) 250A / 30V @ 40% (1/3 Phase)
Max OCV	65
SMAW Electrode Range	3/32" - 5/32"
GTAW DC Tungsten Range	.040" - 5/32"
GMAW Wire Dia. Range^	.023"045"
CAG Electrode Range	1/8" - 3/16"
Dimensions (HxWxD)	16.5" x 8.3" x 17.7" (420 x 210 x 450mm)
Weight	53 lbs. (24kg)

[^]Requires Portafeed VS 212 in CC mode.



The Thermal Arc* ArcMaster 300 AC/DC is the top end high out put, multi voltage, full digital control, AC/DC, Stick/Lift TIG/HF TIG inverter power supply. Standard features include: High frequency start, lift TIG start, up/down slope, pulse, repeat (latch) function, spot timer, job Save & Load, VRD and cellulose E6010 compatibility. This is the ultimate unit designed for precision TIG and Stick welding of all weldable materials. Superior, true square wave output combines with highly developed balance and cleaning features to deliver an unbeatable welding performance with extended tungsten life on aluminum and magnesium alloys without the need for continuous high frequency.

Features:

- Fully featured with outstanding TIG welding performance
- E6010 Stick (Cellulose) compatible
- · Rapid Pulse output
- Job Save & Load
- Smart Logic* and Easy Link multi voltage 208/230/460 VAC, single and three phase
- · Embedded microprocessor with digital controls
- Intelligent heat sensing fan operating on demand
- Standards compliant integrated voltage reducing device (VRD)
- · Intelligent self diagnostic
- · Compact and portable

Package Options

 300 ACDC w/ air cooled 200 Amp TIG 10-3074A-1 torch & accessory kit, work clamp, stick electrode holder, Argon regulator, gas hose & foot control

For more information visit:

www.thermalarc.com



Firepower® Electrode Holder

The industry standard for your stick electrode welding applications with 200 amp capacity.

Benefits & features

Long lasting

- Heavy duty, shock-proof nylon handle
- Ball point cable connection

Ease of use and ease of installation

• Reversible top and bottom insulators

Included features

- 6-position jaw pattern to hold welding electrode in place
- Fully insulated
- Supplied with an Allen wrench and cable connection ferrule assuring efficient connection and minimizing cable strand breakage at the connection

Part No. 1443-0015

Tweco WeldSkill® "HOLD-TITE" Electrode Holder

Provides a unique style, with Tweco-style head provides the gripping force to hold the stick electrode in place. It has 400 amp capacity for heavy duty welding applications.

Benefits & features

Long lasting

- · Rugged and reliable design
- · Ball point cable connection

Ease of use and ease of installation

Included features

- · Fully insulated
- Supplied with an Allen wrench and cable connection ferrule assuring efficient connection and minimizing cable strand breakage at the connection

Stock No. 9120-1010 (Part No. WHT-400)

Cable Connectors

Part No.	Stock #	Description	Cable Capacity	Standard Package
1-WPC	9425-1125	Complete Set of Connectors	4, 2, 1	1
2-WPC	9425-1225	Complete Set of Connectors	1/0, 2/0, 3/0	1







Tweco° Welding Ground Clamps – Steel levers

Comes in 300 amp and 500 amp capacities. These can be used in stick welding, submerged arc welding, gas metal arc welding, gas tungsten arc welding applications for light and medium duty metal fabrication.

Benefits & features

Long lasting

- Heavy duty spring
- Ball point screw to secure the welding cable to the ground clamp

Included features

- Steel upper and lower levers
- · Heavy duty spring providing clamping force to the work surface
- · Connector body with ball point screw
- Overall length 9"
- Cable connection capacity of 1/2" stud connection

Ease of use and ease of installation with large jaw opening of 2" with jaw opening depth of 1.75"

Stock No. 9205-1230 (Part No. SGC-300) - 300 amp capacity Stock No. 9205-1250 (Part No. SGC-500) - 500 amp capacity



Comes in 200 amp and 300 amp capacities. These can be used in stick welding, submerged arc welding, gas metal arc welding, gas tungsten arc welding applications for light and medium duty metal fabrication.

Benefits & features

Long lasting

- Rugged and reliable in design
- Ball point screw to secure the welding cable to the ground clamp

Included features

- Copper cast upper and lower jaws
- Heavy duty spring providing clamping force to the work surface
- Overall length 6" (200 amp) and 8.5" (300 amp)

Ease of use and ease of installation with large jaw opening of depth of 3" (200 amp) and 4" (300 amp)

Stock No. 9205-1120 (Part No. GC-200) – 200 amp capacity Stock No. 9205-1130 (Part No. GC-300) – 300 amp capacity

Tweco Switchable Magnetic Ground Clamps

Can be used as a ground clamp device around pipe and flat applications, or with any large magnetic base metal. It is used to lay the ground clamp magnetically attached to the metal being welded, thus providing the electrical ground.

Benefits & features

Long lasting - rugged and reliable in design

Included features

• 200 amp and 300 amp capacities

Very easy to use and easy to install

- Get a very secure grip by turning the knob and release the grip by turning it back
- These are switchable, meaning that the ground clamp can easily be removed by turning "off" the magnetic function thereby releasing the ground clamp from the base metal structure

Stock No. 9255-1060 (Part No. SMGC-200) - 200 amp capacity Stock No. 9255-1061 (Part No. SMGC-300) - 300 amp capacity







AirCut[™] **15C** Part No. 1-1110-1

Portable Plasma Cutting System with Built-In Air Compressor

Internal Air Compressor. This unit comes standard with a built-in air compressor. Lightweight. Weighs only 29 lbs. (13.2kg), almost 50% lighter than the competition.

Superior Cutting Capacity. 1/8" (3mm) Recommended Cut,

3/16" (5mm) maximum capability.

Easy to Use. 120V, 15 Amp plug standard. Plug it in anywhere!

Faster Cut Speeds. 25% more cutting power provides 25% faster

cut speeds than the competition.



Cut Capacity: 1/8" (3mm) Recommended Cut

Output Current: 15 Amps Fixed

Input Power: 120V (± 10%), Single Phase,

60Hz., 12 Amps

Duty Cycle: 35% @ 15A

Dimensions: Length 18" (457mm)

Width 6.5" (165mm) Height 9.5" (241mm)

Weight: 29 lbs. (13.2 kg) **Ship Weight:** 38 lbs. (17.2 kg)

(includes Unit, Power Cable, Torch and Leads)

Work Cable: 19.5 ft. (5.9m) **Input Cable:** 8.5 ft. (2.6m)

Gas Type: Air from Built-In Air Compressor

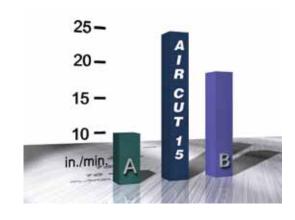
Pilot: CD Start

Control: Hand Torch Switch

Torch: PCH-10

Torch

Configuration: Hand 70°, 20' (6.1m) Leads



Cut Speed Comparison 1/8" (3mm)



CUTMASTER® 42 Part No. 1-4200

The all-new THERMAL DYNAMICS® TRUE™ Series CUTMASTER® 42 is one of the most affordable, highest quality 1/4" (6 mm) plasma systems on the market. As part of the TRUE Series, you can rely on the CUTMASTER 42 to cut all day at its recommended cutting capacity and to pack more punch when you need it.

The CUTMASTER 42 incorporates Vent2Shield™ technology allowing the use of a considerably smaller compressor (less weight to carry, can be used with 120V) compared to similar 40A units.

Applications include:

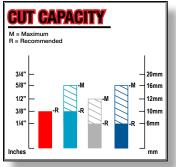
- Auto Body/Marine Repair
- Plumbing & HVAC
- Home Shop
- Metal Building & Roofing Construction
- Rental Fleets

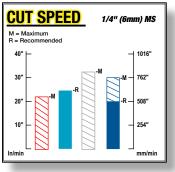
Max Amperage Output - (Amps)	27 @ 120V
Output Power - (Kw)	40 @ 230V 3.8
Recommended Cut - Inches (mm)	1/4" (6)
Max Cut - Inches (mm)	5/8" (15)
Pierce Rating - Inches (mm)	1/4" (6)
Input Voltage - (Volts, Phase, Hz)	120-230V, 1 Phase, 50/60Hz
Duty Cycle (@40°C)	40% @ 40A @ 230V
Amperage Draw	29A @ 120V 15A @ 230V
Dimensions (H x W x L) Inches (mm)	9 x 7 x 18.5 (228 x 117 x 470)
Weight - Ibs (kg)	26 (11.8)
Torch Model	SL40™
Air Pressure - psi (bar)	75 (5.2)
Flow - Cfm (I/m)	3.2 (91)
Warranty (Unit/Torch) Parts and Labor	4/1













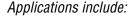




CUTMASTER® 52 Part No. 1-5130-1

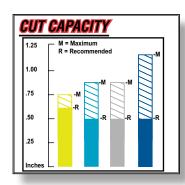
The CUTMASTER 52 is the most powerful and lightest weight 1/2" (12mm) machine on the market today. The CUTMASTER TRUE" Series are the only systems that offer the precision of the TRUE Cut Drag Tip Series. The 60 Amp tip allows the system to drag cut up to 1/4" (6mm) with ease. Giving the absolute best cut quality possible.

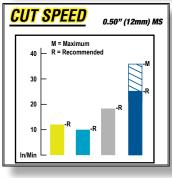
This unit cuts through mild, stainless, or aluminum up to 1.125" (30mm) thick. The CUTMASTER 52 combines power with the well known performance and features of the industry-leading 1Torch°.



- Construction
- Maintenance/Repair
- Fabrication













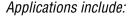
Max Amperage Output - (Amps)	60
Output Power - (Kw)	6.2
Recommended Cut - Inches (mm)	0.500 (12)
Max Cut - Inches (mm)	1.125 (30)
Pierce Rating - Inches (mm)	0.500 (12)
Input Voltage - (Volts, Phase, Hz)	• 208/230 - 460 1/3 Phase 50/60Hz • 400V 3 Phase 50Hz • 600V 3 Phase 50/60Hz
Duty Cycle (@40°C)	40%@ 60A, 60%@ 55A, 100%@ 50A
Amperage Draw	45 (230V, 1 ph) 24 (230V, 3 ph) 16 (460V, 3 ph)
Dimensions (H x W x L) Inches (mm)	15 x 12 x 24 (381 x 305 x 610)
Weight - Ibs (kg)	43 (19.5)
Torch Model	SL60 Hand SL100 Mechanized
Air Pressure - psi (bar)	75 (5.2)
Flow - Cfm (I/m)	6.7 (190)
Warranty (Unit/Torch) Parts and Labor	4/1



CUTMASTER® 82 Part No. 1-1130-1

The CUTMASTER 82 weighs in at a mere 43 lbs. (19.5kg) almost 50% less than its leading competitor, while still offering superior cutting power.

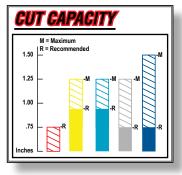
Don't let the size of this unit fool you, it's more than capable of cutting 3/4" (20mm) with a maximum capability of $1\frac{1}{2}$ " (40mm). This unit, like all other TRUE" CUTMASTERs, is equipped with the 1Torch°.

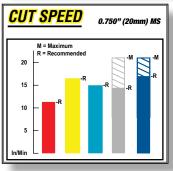


- Heavy Fabrication
- Manufacturing
- Contractors



Max Amperage Output - (Amps)	80
Output Power - (Kw)	9
Recommended Cut - Inches (mm)	0.750 (20)
Max Cut - Inches (mm)	1.500 (40)
Pierce Rating - Inches (mm)	0.625 (15)
Input Voltage - (Volts, Phase, Hz)	• 208/230 - 460 1/3 Phase 50/60Hz • 400V 3 Phase 50Hz • 600V 3 Phase 50/60Hz
Duty Cycle (@40°C)	40%@ 80A, 60%@ 65A 100%@ 55A
Amperage Draw	72 (230V, 1 ph) 39 (230V, 3 ph) 21 (460V, 3 ph)
Dimensions (H x W x L) Inches (mm)	15 x 12 x 24 (381 x 305 x 610)
Weight - Ibs (kg)	43 (19.5)
Torch Model	SL60 Hand SL100 Mech & Auto
Air Pressure - psi (bar)	70 (4.8)
Flow - Cfm (I/m)	6.7 (190)
Warranty (Unit/Torch) Parts and Labor	4/1







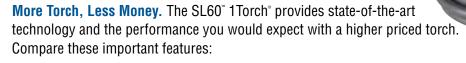




CutSkill® C-20A Part No. 1-1625

Fast, Easy Cuts on Most Metals. A favorite for HVAC installations, sheet metal fabrication, metal art, and home projects, this machine delivers clean cuts on most metals including stainless steel, aluminum, mild steel copper or brass, with minimum heat input & distortion of metal. It also cuts through rusted, painted or coated surfaces without prior surface preparation.

Portable and Powerful. This inverter based power supply automatically links the unit to primary voltage from 115 to 230 Volts, single phase, 50 or 60 Hz, typically found in most homes and maintenance shops. Weighing just 44 lbs. (20 kg), the C-20A is easy to move from location to location. Connect to an air compressor, and this simple-to-use system is ready to cut.





- Easy-to-use torch trigger release and ergonomic handle provide comfort during long cutting sessions
- Latch feature allows the cutting arc to remain active without constantly depressing the torch switch
- Starts without high-frequency so it won't interfere with controls or computers
- SureLok® electrode eliminates tip wobble found in some blow-apart torch designs, resulting in a cleaner arc and longer parts life
- Protective interlock circuitry disables the power supply if torch consumable parts are incorrectly assembled
- · Light-weight, flexible 20 ft. (6.1m) torch leads
- Full 1-year warranty on repair parts and labor

Cut Capacity	Input	Output	Duty Cycle	Panel Indicators	Dimensions	Weight
3/8" (10mm)	115V +/-10%, 1 ph, 50/60 Hz, 20A 230V +/-10%, 1 ph, 50/60 Hz, 14A	20A @ 115VAC 25A @ 230VAC	30% @ 20 Amps	AC, Over Temp, Air, Latch	H: 14.8" (375mm) W: 8.3" (210mm) L: 20.0" (510mm)	Net: 44 lbs. (20 kg) Ship: 53 lbs. (24 kg)



CutSkill® C-35A Part No. 1-1635-1

Clean Cuts with Little or No Dross. Designed for the 1/2" (12mm) cutting market, this economical plasma cutter is a favorite for auto body repair, light duty maintenance, and sheet metal fabrication, and it is also very useful around the farm or ranch. It cuts quickly through stainless steel, aluminum, mild steel copper or brass, with minimum heat input & distortion of metal and it also cuts through rusted, painted or coated surfaces without prior surface preparation.

Portable and Powerful. This inverter-based system operates on standard 230 VAC single phase input power and provides adjustable current from 15 to 35 amps. Weighing just 44 lbs. (20 kg), this lightweight power source is easy to move from location to location. Simply connect to an air compressor or other air source and you are ready to cut.



See What You Cut... While You Cut. Precise, reliable cutting is what you can expect from the SL60° 1Torch°, and the excellent front end parts visibility lets you see what you cut, while you cut. Important features & benefits include:

- Precision-engineered consumable parts are easy to change and require no tools
- Easy-to-use torch trigger release and ergonomic handle provide comfort during long cutting sessions
- Two modes of operation available standoff cutting or drag cutting
- Light-weight, flexible 20 ft. (6.1m) torch leads
- Latch feature allows the cutting arc to remain active without constantly depressing the torch switch
- Starts without high-frequency so it won't interfere with controls or computers
- SureLok® electrode eliminates tip wobble found in some blow-apart torch designs, resulting in a cleaner arc and longer parts life
- Protective interlock circuitry disables the power supply if torch consumable parts are incorrectly assembled
- Full 1-year warranty on repair parts and labor

Cut Capacity	Input	Output	Duty Cycle	Panel Indicators	Dimensions	Weight
1/2" (12mm)	230V +/-10%, 1 ph, 50/60 Hz, 32A	15-35 Amps, Continuously Adjustable	35% @ 35 Amps	1 / /	H: 14.8" (375mm) W: 8.3" (210mm) L: 20.0" (510mm)	Net: 44 lbs. (20 kg) Ship: 53 lbs. (24 kg)



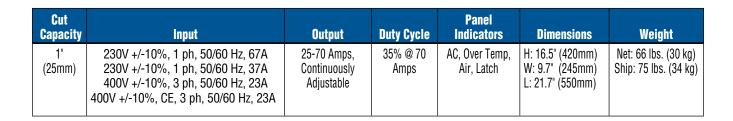
CutSkill® C-70A Part No. 1-1670-1

Great for Fabrication or Scrapping. A favorite for use in heavy maintenance, fabrication and scrap metal, this machine delivers clean cuts on most 1" (25mm) metals including stainless steel, aluminum, mild steel, copper or brass, with minimum heat input & distortion of metal. It also cuts through rusted, painted or coated surfaces without prior surface preparation.

Reliable, **Powerful Power Supply**. This inverter based power supply operates on standard 230 Volt, single or 3-phase power. (CE model only available at 3 ph.) Simply connect to an air compressor or other air source, and this system is ready to cut.

1Torch° for Excellent Cutting Results. This state-of-the-art torch provides the level of performance and features you would expect from a more expensive torch. Compare these important features:

- Precision-engineered consumable parts are easy to change and require no tools.
- Easy-to-use torch trigger release and ergonomic handle provide comfort during long cutting sessions
- Two modes of operation available standoff cutting or drag cutting
- Latch feature allows the cutting arc to remain active without constantly depressing the torch switch
- Starts without high-frequency so it won't interfere with controls or computers
 - Protective interlock circuitry disables the power supply if torch consumable parts are incorrectly assembled
 - SureLok® electrode eliminates tip wobble found in some blow-apart torch designs, resulting in a cleaner arc and longer parts life
 - Light-weight, flexible 20 ft. (6.1m) torch leads
- Full 1-year warranty on repair parts and labor







AirCut® 15C Parts and Accessories

Accessories	Part No.	
PCH-10 70° Torch / 20' (6.1m) Leads	2-1020	
Cutting Guide Kit	7-8910	
20 ft. (6.1m) Leather Leads Cover	9-1260	9
Shield Cup	9-6003	#Bis
Tip	9-6099	9
Gas Distributor	9-6007	n
Electrode	9-6006	Ą

Multi-Purpose Cart Part No. 7-8888

Designed for most portable manual cutting systems such as the CUTMASTER* 39, 52, 82 or any other similar sized systems.

This rugged steel cart has easy rolling 8" (203mm) diameter wheels along with 3" (76mm) front mounted casters. This cart also serves as an excellent showroom display stand.



CUTMASTER® 42 / 52 / 82 Parts and Accessories



Current Range	Mode Of Operation	Amps	Electrode	Start Cartridge	Tip	Shield Cup	Shield Cup Body	Drag Shield Cap	Deflector	Gouging Shield Cap
SL60° an	d SL100" Consu	ımables								
		20A			9-8205	9-8218				
		30A	1		9-8206	9-8218				
20-40 Amps	Drog Tip / Cutting	40A	1		9-8207	9-8218				
	Drag Tip / Cutting	20A			9-8205		9-8237		9-8243	
		30A	9-8215	9-8213	9-8206		9-8237		9-8243	
Allips		40A			9-8207		9-8237		9-8243	
	Ctandoff Cutting	40A]		9-8208	9-8218				9-8241
	Standoff Cutting	40A]		9-8208		9-8237		9-8243	
	Gouging	Tip A			9-8225		9-8237			
	Drag Tip / Cutting	60A			9-8252	9-8218				
		50-55A			9-8209	9-8218				
	Standoff Cutting	60A			9-8210	9-8218				
	Standon Cutting	50-55A			9-8209		9-8237		9-8243	
50-60		60A	9-8215	9-8213	9-8210		9-8237		9-8243	
Amps	Drag Shield Cutting	50-55A	9-0213	9-0213	9-8209		9-8237	9-8235		
		60A		l L	9-8210		9-8237	9-8235		
	Gouging	Tip B]		9-8226		9-8237			9-8241
		Tip C			9-8227		9-8237			9-8241
		Tip D			9-8228		9-8237			9-8241
		70A			9-8231	9-8218				
		80A			9-8211	9-8218	ļ			
	Standoff Cutting	90-100A			9-8212	9-8218				
	Ottailabil batting	70A			9-8231	_	9-8237		9-8243	
		80A			9-8211	1	9-8237		9-8243	
70-100		90-100A	9-8215	9-8213	9-8212		9-8237		9-8243	
Amps	Drag Shield	70A			9-8231	-	9-8237	9-8236		
	Cutting	80A			9-8211	-	9-8237	9-8236		
		90-100A			9-8212		9-8237	9-8236		0.0044
	Couring	Tip B			9-8226	1	9-8237			9-8241
	Gouging	Tip C			9-8227	-	9-8237			9-8241
	Otom doff Outhing	Tip D			9-8228		9-8237		0.0040	9-8241
120	Standoff Cutting	120A 120A	0.0015	0.0010	9-8253 9-8253		9-8237	0.0250	9-8243 9-8243	
Amps	Drag Shield Cutting Gouging	Tip E	9-8215	9-8213	9-8253		9-8237 9-8237	9-8258	9-8243	9-8241
			o with NE	N CUTMAC			9-0231		9-0243	9-0241
MEW SL4	10 [™] Consumable		e with NE	N GUTIVIAS						
10-40	Standoff Cutting	40A 20A	0.0006	0.0007	9-0094	9-0098				
Amps	Drag Tip / Cutting		9-0096	9-0097	9-0091	9-0098				
	Drag Tip / Cutting	40A			9-0093					



CutSkill® C-20A Parts and Accessories

outoniii o zon i uito u	IIU AUUUUSU
Accessories	Part No.
TORCH	
SL60, 20 ft. (6.1m) Leads	7-5200
Shield Cup	9-8218
Tip (pkg. of 5)	9-8206
Start Cartridge	9-8213
Electrode (pkg. of 5)	9-8215
O-Ring	8-3487
0-Ring	8-3486
Accessories	Part No.
Cutting Guide Kit	7-8910
Single Stage Air Filter	7-7507
20 ft. (6.1m) Leather Leads Cover	9-1260



Single Stage Air Filter Part No. 7-7507



Cutting Guide Kit Part No. 7-8910



Leather Leads Cover Part No. 9-1260

CutSkill C-35A Parts and Accessories

Accessories	Part No.	73	
TORCH			
SL60, 20 ft. (6.1m) Leads	7-5200		
Shield Cup	9-8218	limit.	
Tip - 40A (pkg. of 5)	9-8207	frag 1	0
Start Cartridge	9-8213	40	2.00
Electrode (pkg. of 5)	9-8215	Standoff Guide	Cutting Guide Kit
O-Ring	8-3487	Part No. 9-8251	Part No. 7-7501
0-Ring	8-3486		
Accessories Cutting Guide Kit	Part No. 7-7501	8	
Single Stage Air Filter	7-7507	O' - I - O' A' - F'II -	Leather Leads On
20 ft. (6.1m) Leather Leads Cover	9-1260	Single Stage Air Filter Part No. 7-7507	Leather Leads Cover Part No. 9-1260
Standoff Guide	9-8251	1 411 140. 7 7007	1 411 140. 0 1200

CutSkill C-70A Parts and Accessories

Dart No.

Accessories

Accessories	Part No.
TORCH	
SL100, 20 ft. (6.1m) Leads	7-5202
Shield Cup	9-8218
Tip - 70A (pkg. of 5)	9-8231
Start Cartridge	9-8213
Electrode (pkg. of 5)	9-8215
0-Ring	8-3487
0-Ring	8-3486
Accessories	Part No.
Cutting Guide Kit	7-7501
Single Stage Air Filter	7-7507
20 ft. (6.1m) Leather Leads Cover	9-1260
Standoff Guide	9-8281



Standoff Guide Part No. 9-8281



Single Stage Air Filter Part No. 7-7507



Cutting Guide Kit Part No. 7-7501



Leather Leads Cover Part No. 9-1260



Heavy Duty Oxy-Acetylene Outfit

- D 350 Series regulators
- WH 370FC-V torch handle with built-in flashback arrestors and check valves
- · CA 370-V cutting attachment
- 2-UM-350 welding nozzle
- 1-1-101 cutting tip
- RM-grade hose 25' x 1/4" (7.6m x 6.4mm)
- · Striker and soft-sided goggles



Heavy Duty Outfit Ordering Information							
Part Number	Torch Handle	Welding Nozzle	Cutting Attachment	Cutting Tip	Heating Nozzle	Oxygen Regulator	Fuel Gas Regulator
0384-2646	WH 270FC-V 0387-2750	2-UM 0387-0032	CA 270-V 0387-2650	1-101-1 CS1101 1	_	D350-125-540 0387-2303	D350-15-510 0387-2404

Heavy Duty Alternative Fuel Outfit

- D 350 Series Regulators
- WH270FC-V Torch handle with built-in flashback arrestors and check valves
- 8-MFN Heating Nozzle
- Series 3 Cutting Tip cuts up to 1/2" / 12mm
- 20 x 3/16" T Grade Hose
- Includes Striker and Soft-sided Goggles



Heavy Duty (Heavy Duty Outfit Ordering Information						
Part Number	Torch Handle	Welding Nozzle	Cutting Attachment	Cutting Tip	Heating Nozzle	Oxygen Regulator	Fuel Gas Regulator
0384-2648	WH 370FC-V 0387-2750	_	CA 370-V 0387-2650	1-GPN 0333-0303	8-MFN 0323-0292	D350-125-540 0387-2303	D350-40-510LP 0387-9671



Medium Duty Oxy-Acetylene Outfit

- D 250 Series regulators
- WH 270FC-V torch handle with built-in flashback arrestors and check valves
- · CA 270-V cutting attachment
- UM-1 welding nozzle, size: 0
- 0-3-101 cutting tip
- RM-grade hose 20' x 3/16" (6.1m x 4.8mm)
- · Striker and soft-sided goggles



Medium Duty	y Outfit Ordering	g Information					
Part Number	Torch Handle	Welding Nozzle	Cutting Attachment	Cutting Tip	Heating Nozzle	Oxygen Regulator	Fuel Gas Regulator
0384-2530	WH 270FC-V 0387-2700	0-UM-1 0387-0020	CA 270-V 0387-2600	0-3-101 CS3101 0	-	D250-80-540 0387-2004	D250-15-510 0387-2103

Medium Duty Alternative Fuel Outfit

- D 250 Series regulators
- WH 270FC-V torch handle with built-in flashback arrestors and check valves
- CA 270-V cutting attachment
- MFN-1 heating nozzle, size: 6
- 1-3-GPN cutting tip
- T-grade hose 20' x 3/16" (6.1m x 4.8mm)
- · Striker and soft-sided goggles



Medium Duty	Medium Duty Outfit Ordering Information						
Part Number	Torch Handle	Welding Nozzle	Cutting Attachment	Cutting Tip	Heating Nozzle	Oxygen Regulator	Fuel Gas Regulator
0384-2534	WH 270FC-V 0387-2700	-	CA 270-V 0387-2600	3-GPN-1 0387-0173	6-MFN-1 0324-0117	D250-80-540 0387-2004	D250-40-510LP 0387-0232



Medium Duty Oxy-Acetylene Outfit

- RF 350 Heavy/Medium Duty Regulators
- WH 370FC-FS Torch handle with built-in flashback arrestors and check valves
- · CA 350-FS Cutting Attachment
- 2-UM Welding Nozzle
- · Series 1 Cutting Tip
- 25' x 1/4" "R" Grade Hose
- Welds up to 1/8" (3.17 mm)
- 3" (76.2 mm) with optional nozzles
- Cuts up to 3/4" (19 mm)
- 5" (127 mm) with optional tips
- Includes Striker and Goggles

neavy buty outlit ordering information				
Part Number	Model Number	Description		
0384-2652	FP350-510FC	Firepower® Heavy/Medium Duty Outfit		
0384-2650	FP350-300FC	Firepower Heavy/Medium Duty Outfit		
0384-2651	FP350-993FC	Firepower Heavy/Medium Duty Outfit		

Medium Duty Oxy-Acetylene Outfit

- RF 250 Medium Duty Regulators
- WH 270FC-FS Torch handle with built-in flashback arrestors and check valves
- · CA 250-FS Cutting Attachment
- 0-UM-1 Welding Nozzle
- · Series 3 Cutting Tip
- 20' x 3/16" "R" Grade Hose
- Welds up to 5/64" (1.98 mm)
- 3" (76.2 mm) with optional nozzles
- Cuts up to 1/2" (12.7 mm)
- 3" (76.2 mm) with optional tips
- Includes Striker and Goggles

Medium Duty	Medium Duty Outfit Ordering Information			
Part Number	Model Number	Description		
0384-2551	FP250-510FC	Firepower Medium Duty Outfit		
0384-2550	FP250-300FC	Firepower Medium Duty Outfit		
0384-2552	FP250-510CS	Firepower Medium Duty Outfit (clamshell)		







Light Duty Oxy-Acetylene Outfit

- 150 Series outfit includes a #0 welding nozzle and #0 cutting tip that welds up to 5/64" and cuts to 1/2" Optional tips allow you to weld to 1" and cut to 4"
- · Includes built-in Flashback Arrestors
- Torch handle includes built-in reverse flow check valves for added safety and protection against "reverse flow of gases"
- Solid brass and stainless steel construction provide extended trouble-free service
- Trilingual packaging appeals to broad customer base
- · Two year limited warranty
- · U.L. listed



Medium Duty Outfit Ordering Information				
Part Number	Model Number	Description		
0384-0656	150-510-FSDLX	Medium Duty Outfit		

Welding & Cutting Tote Part No. 0384-0990

CONTENTS:

- · Cutting attachment
- Cutting tip (#0)
- · Torch handle
- · Universal gas mixer
- · Built-in reverse flow check valves and flashback arrestors
- Welding nozzle (#2)
- Oxygen and acetylene regulators
- 12.5' x 3/16" R Grade hose
- · Cylinder wrench with chain
- Rugged carrying case
- · Spark lighter & goggles
- MC acetylene cylinder: 10 cu. ft.
- R oxygen cylinder: 20 cu. ft.
- Tip flow chart
- Instruction manual (English/French/Spanish)
- · Two year warranty





TurboTorch Deluxe Tote Kits

Both TDLX kits feature an Extreme™ self lighting tip, an Extreme standard tip, an ergonomic handle with quick disconnect and a tank tote that conveniently stores the hose and additional tips. Choose between the MC or B kits, and immediately benefit from the flexibility these kits offer.

TDLX2010B (0386-0578) **Kit Includes:**

PL-8ADLX-B **Extreme Air Acetylene Kit** (0386-0835) **A-3 Extreme Air Acetylene Tip** (0386-0101) **Durable Rolling Tote**









Extreme Self Lighting Torch Kits

The Choice for Plumbing and HVAC Professionals

PL-DLXPT KIT (0386-1397)

KIT INCLUDES:

- Durable Tool Bag
- Self Lighting PL-3T Tip
- Ergonomic Torch Handle
- STK-R Regulator (CGA-600)
- 12 ft. Hose
- Hose Clamp BONUS ITEMS:
- PL-4T Tip
- PL-812 Heat Shield
- Viper SX Solder

EASILY STORE 2 GAS CYLINDERS (GAS CYLINDERS NOT INCLUDED) ADJUSTABLE SHOULDER STRAP METAL SLEEVE FOR HOT TIP STORAGE MULTIPLE STORAGE POCKETS EASY STORAGE OF GAS HOSE COMFORTABLE CARRYING HANDLE









	Ordering Information			
Part No.	Model Number	Description		
0387-0463	SMP-31	Propane/MAP-Pro [™] Self Lighting Torch		
0387-0464	SMPK-31	Propane/MAP-Pro Self Lighting Torch Kit with Propane Tank		

CONTENTS:

- Lights with a pull of the trigger
- · Trigger guard protects against accidental light-ups
- Safety trigger lock holds flame for extended periods and prevents accidental lighting
- Pressure regulated with pre-set flame
- Comfortable "easy grip" handle made of high impact plastic for an ergonomic feel and lasting durability
- Stainless steel burn tube with brass tip
- 180° swivel tip for easy positioning
- Can be used with MAP-Pro or Propane without changing the orifice
- Fits any standard Propane or MAP-Pro cylinder, CGA 600







0387-0464

Ordering Information			
Part No.	Model Number	Description	
0387-0465	SMP-41	Propane/MAP-Pro Self Lighting Swirl Combustion Torch	

CONTENTS:

- Pull the trigger to light the torch
- Swirl combustion tip provides maximum heat and reduces brazing time by 30%
- Safety trigger lock holds flame for extended periods and prevents accidental lighting
- Pressure regulated with adjustable flame control valve
- "Easy grip" handle made of high impact plastic for lasting durability
- 180° swivel tip for easy positioning
- Can be used with MAP-Pro or Propane without changing the orifice, tank CGA, 600
- Trigger guard protects against accidental light-ups when not locked



0387-0465

Gas Equipment & Accessories



Ordering Information				
Part Number	Model Number	Description		
0387-0470	P-10	Propane Torch		
0387-0471	PK-10	Standard kit includes torch & 14.1 oz. propane tank		

CONTENTS:

- Solid brass construction provides lasting durability
- Flame control valve allows precise heat adjustment for every application





0387-0470

0387-0471

Ordering Information				
Part Number	Model Number	Description		
0387-0400	MP-90	Hand torch with regulator and MPT-3 tip		

CONTENTS:

- Ideal for silver soldering copper tubing, bronze brazing steel pipe, or soldering with water in the line
- Swirl combustion tip design provides maximum heat and reduces brazing time by 30%
- 360° swivel tip for easy access
- Produces target heats of 2,400° F (MAP-Pro^{*});
 1,750° F (Propane)
- Rugged, brass regulator
- Easy to clean orifice for maximum, repeat performance
- Fits any standard Propane or MAP-Pro tank, CGA 600
- · Attractive P.O.P. clamshell packaging
- 6 to a master pack/cut case



0387-0400



Disposable Air-Fuel Tanks

Ordering Information				
Part Number Model Number Description				
0387-0436	FP-1	14.1 oz. Propane Tank, 8.65 CF, CGA 600		
0916-0122	MPT-1	14.1 oz. Map-Pro [™] Tank, 8.65 CF, CGA 600		







0916-0122

Vers-A-Flame Outfits All Season Torch System

FEATURES:

- Used for burning weeds, removing paint, melting ice, preheating asphalt/tar, removing road markings and preheating large castings for welding
- For use with propane tanks of 20 lbs. or larger
- P.O.L. Excess flow "Safety Valve" shuts off gas flow if hose is accidentally cut or burnt
- Single flint striker included in every outfit
- 10 Foot Hose withstands temperatures from -104° to +140° F
- Large brass control knob on handle will not freeze in cold conditions
- Two year limited warranty

Ordering Information			
Part Number	Model Number	Description	
0384-1280	HT-350FP	350,000 BTU Single Unit Display	
0384-1260	HT-500FP	500,000 BTU Single Unit Display	
0384-1290	HT-500FP6	500,000 BTU 6-Pack POP Display	
1412-0141	VF-10-RH	10' Replacement Hose for all Vers-A-Flame Torches, includes P.O.L. valve.	



0384-1260



Powder Spray Torch Outfit

This amazing torch provides an easy and cost effective method to build-up broken parts, resurface worn parts, and build-up cracks in cast iron parts.

BUILD-UP APPLICATIONS: MACHINABLE

Great for farm implement and cast iron build-up. A variety of metal powders are offered for various applications.

Build-up Powder Options:

- FPBP-22 (22 Rockwell)
 Shaft build-up; cast iron repair, cracked exhaust manifolds, easily machined
- FPBP-40
 Bearing surfaces, gear teeth, shaft build-up, machinable

WEAR APPLICATIONS: NON-MACHINABLE

Special hardfacing powder is fused onto part surface with an oxy-acetylene torch for extended part life.

Wear Powder Build-up Options:

- FPWP-60 Cam lobes, sealing surfaces, not machinable
- FPWP-100
 Plow shears, cultivator sweeps, disk blades, augers, harvesters knives, excellent for metal to earth wear
- FPWP-600 Same as above - for high wear applications



Comes with "How To" Video





Powder Spray Torch			
Part Number Model Number Description			
0384-1266 FPSK-260 Complete Powder Spray Torch Kit			

Build-Up Powders		
Part Number Model Number Description		
1440-0040	FPBP-22	1# Bottle: Used for Shaft build-up; cast iron repair, cracked exhaust manifolds.
1440-0042	FPBP-40	1# Bottle: Used for Bearing surfaces, gear teeth shaft build-up. Machinable.

Build-Up Powders			
Part Number Model Number Description			
1440-0043	FPWP-60	1# Bottle: Used for Cam lobes, sealing surfaces. Not machinable.	
1440-0044	FPWP-100	1# Bottle: Used for Plow shears, augers, harvesters knives.	
1440-0041	FPWP-600	1# Bottle: Used for Construction Equipment	



CutSkill Victor Style Acetylene 150/250 Series Cutting Tips

Size	Catalog Order Number	Product Reference Numbe
000	CS3101 000	6700C2438
00	CS3101 00	6700C2439
0	CS3101 0	6700C2440
1	CS3101 1	6700C2441
2	CS3101 2	6700C2442
3	CS3101 3	6700C2443
4	CS3101 4	6700C2444
5	CS3101 5	6700C2445





General Purpose - Hand and Machine cutting. **Medium Preheat**

CutSkill Victor Style Acetylene 350 Series Cutting Tips

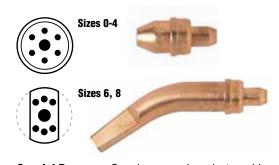
Size	Catalog Order Number	Product Reference Number
000	CS1101 000	6700C2408
00	CS1101 00	6700C2409
0	CS1101 0	6700C2410
1	CS1101 1	6700C2411
2	CS1101 2	6700C2412
3	CS1101 3	6700C2413
4	CS1101 4	6700C2414
5	CS1101 5	6700C2415
6	CS1101 6	6700C2416



General Purpose - Hand and Machine cutting. **Medium Preheat**

CutSkill Victor Style Acetylene Gouging Tips

Size	Catalog Order Number	Product Reference Number
0	CS1108 0	6700C2990
1	CS1108 1	6700C2991
2	CS1108 2	6700C2992
3	CS1108 3	6700C2993
4	CS1108 4	6700C2994
6	CS1118 6 (flat)	6700C2703
8	CS1118 8 (flat)	6700C2704



Special Purpose - Gouging, grooving, rivet washing and removing welds. **Medium Preheat**

CutSkill Victor Style 150/250 Series Cutting Tips

	-	<u> </u>
Size	Catalog Order Number	Product Reference Number
000	CS3GPN 000	6700C2498
00	CS3GPN 00	6700C2499
0	CS3GPN 0	6700C2500
1	CS3GPN 1	6700C2501
2	CS3GPN 2	6700C2502
3	CS3GPN 3	6700C2503
4	CS3GPN 4	6700C2504
5	CS3GPN 5	6700C2505





General Purpose - Hand and Machine cutting. **Medium Preheat**



CutSkill® Victor Style 350 Series Cutting Tips

Size	Catalog Order Number	Product Reference Number
000	CSGPN 000	6700C2468
00	CSGPN 00	6700C2469
0	CSGPN 0	6700C2470
1	CSGPN 1	6700C2471
2	CSGPN 2	6700C2472
3	CSGPN 3	6700C2473
4	CSGPN 4	6700C2474
5	CSGPN 5	6700C2475
6	CSGPN 6	6700C2476





General Purpose - Hand and Machine cutting. **Medium Preheat**

Cutting Tips – Smith Style

<u>-</u>		
Size	Catalog Order Number	Product Reference Number
0	CSSC50 0	6700C2250
1	CSSC50 1	6700C2251
2	CSSC50 2	6700C2252
3	CSSC50 3	6700C2253
4	CSSC50 4	6700C2254
5	CSSC50 5	6700C2255
6	CSSC50 6	6700C2256
0	CSSC12 0	6700C2190
1	CSSC12 1	6700C2191
2	CSSC12 2	6700C2192
3	CSSC12 3	6700C2193
4	CSSC12 4	6700C2194
5	CSSC12 5	6700C2195
1	CSSC60 1	6700C2311
2	CSSC60 2	6700C2312
3	CSSC60 3	6700C2313
4	CSSC60 4	6700C2314



General Purpose - Scrap cutting and beveling and other heavy preheat applications. **Heavy Preheat**



General Purpose - Hand and Machine cutting. **Medium Preheat**



General Purpose - Hand and Machine cutting. **Medium Preheat**

Cutting Tips – Harris Style

•	, .	
Size	Catalog Order Number	Product Reference Number
00	CS6290NX 00	6700C1509
0	CS6290NX 0	6700C1510
1	CS6290NX 1	6700C1511
2	CS6290NX 2	6700C1512
3	CS6290NX 3	6700C1513
4	CS6290NX 4	6700C1514
5	CS6290NX 5	6700C1515
00	CS6290 00	6700C1429
0	CS6290 0	6700C1430
1	CS6290 1	6700C1431
2	CS6290 2	6700C1432
3	CS6290 3	6700C1433
4	CS6290 4	6700C1434
5	CS6290 5	6700C1435
1	CS6290GG 1	6700C1551
2	CS6290GG 2	6700C1552
3	CS6290GG 3	6700C1553





General Purpose - Hand and Machine cutting. **Medium Preheat**



General Purpose - Hand and Machine cutting. **Medium Preheat**



General Purpose - Gouging, grooving, rivet washing and removing welds. **Medium Preheat**



Cutting Tips – Airco Style

Size 0 1 2 3 4	Catalog Order Number	Product Reference Number 6700C1010 6700C1011 6700C1012 6700C1013 6700C1014	General Purpose - Hand and Machine cutting. Medium Preheat
0	CS164 0	6700C1040	General Purpose - Scrap cutting and other heavy preheat applications. Heavy Preheat
1	CS164 1	6700C1041	
2	CS164 2	6700C1042	
3	CS164 3	6700C1043	
4	CS164 4	6700C1044	

150/250 Series Welding Nozzles for use with WH 270FC-V torch handle (formerly WH26)



350 Series Welding Nozzles for use with WH 370FC-V torch handle (formerly WH36)

Size 00 0 1 2 3 4 5	Part Number 0387-0019 (Clamshell) 0387-0020 (Clamshell) 0387-0021 (Clamshell) 0387-0022 (Clamshell) 0387-0023 (Clamshell) 0387-0024 (Clamshell) 0323-0131 (Boxed)	
5	0323-0131 (Boxed)	

150/250 Series Multi-flame Nozzles

Size	Part Number
4	0387-0071 (Clamshell)
6	0387-0072 (Clamshell)
8	0387-0073 (Clamshell)

350 Series Multi-flame Nozzles

Size	Part Number
4	0387-0060 (Clamshell)
6	0387-0061 (Clamshell)
8	0387-0062 (Clamshell)





EDGE[™] ESS4 Series High Capacity and EDGE ESS3 Series Medium Capacity

The ESS4 Series — the heavy duty, high capacity, single stage design regulator series that set the standard for the complete line of EDGE regulators. Its outstanding flow performance provides better flow control across a full range of cylinder pressures, with exceptional sensitivity and precision in delivery pressure. The ESS3 Series are medium capacity, single stage design regulators with the same safety and design benefits of the ESS4.

- Forged brass body
- Zinc-Aluminum housing cap
- · High impact ABS gauge guard
- Stem type seat mechanism
- External self reseating relief valve in high pressure models
- Sintered inlet filter nickel plated bronze
- Color-coded SLAM[™] impact absorbing safety knob



 Meets or exceeds CGA E-4, UL 252 and ASTM G-175 Promoted Ignition Test















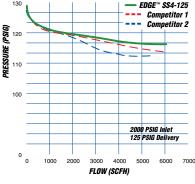
Acetylene Oxygen Inert Gas Carbon Dioxid

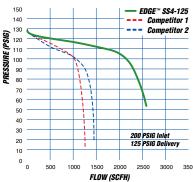
0781-5116

0781-5121

0781-5108

0781-5109







SHOCK ABSORBING KNOB
011
0
STAGE 1 STAGE 2 STAGE 3
3-STAGE CRUMPLE ZONE

ESS4 Heavy Capacity EDGE Series Regulators				
0781-5142	ESS4-125-346	Air		
0781-5145	ESS4-200-346	Air		
0781-5133	ESS4-15-300	Acetylene		
0781-5140	ESS4-15-410	Acetylene		
0781-5132	ESS4-15-510	Acetylene		
0781-5134	ESS4-15-993	Acetylene		
0781-5159	ESS4-15-510	Acetylene (longer swivel)		
0781-5137	ESS4-125-350	Hydrogen/Methane		
0781-5138	ESS4-200-350	Hydrogen/Methane		
0781-5154	ESS4-40-540	Oxygen		
0781-5130	ESS4-125-296	Industrial Oxidizing Mixtures		
0781-5127	ESS4-125-540	Oxygen		
0781-5128	ESS4-125-992	British Oxygen		
0781-5131	ESS4-200-540	Oxygen		
0781-5155	ESS4-200-992	British Oxygen		
0781-5143	ESS4-125-580	Inert (Nitrogen, Argon, Helium)		
0781-5144	ESS4-200-580	Inert (Nitrogen, Argon, Helium)		
0781-5146	ESS4-125-590	Industrial Air		
0781-5147	ESS4-200-320	Carbon Dioxide		
0781-5135	ESS4-40-510LP	LP Gas (longer swivel)		
0781-5136	ESS4-125-510LP	LP Gas (longer swivel)		
ESS3 Medium Capacity EDGE Series Regulators				
0781-5115	ESS3-125-346	Air		
0781-5106	ESS3-15-300	Acetylene		
0781-5105	ESS3-15-510	Acetylene		
0781-5110	ESS3-40-350	Hydrogen/Methane		
0781-5111	ESS3-125-350	Hydrogen/Methane		
0781-5100	ESS3-125-540	Oxygen		
0781-5122	ESS3-40-580	Inert (Nitrogen, Argon, Helium)		

Model Numbering Explanation

Inert (Nitrogen, Argon, Helium)

Carbon Dioxide

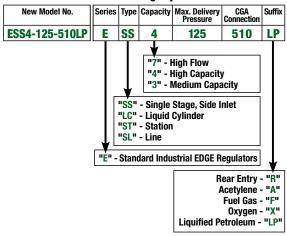
LP Gas

ESS3-125-580

ESS3-125-320

ESS3-40-510LP

ESS3-125-510LP





Larger regulator body for heavy duty applications

- Acetylene, Oxygen, Inert and LP gas models
- · Color coded knobs
- Single stage
- Forged brass body & Zinc Aluminum housing cap
- 2" (50.8mm) gauges
- 3000 PSIG max inlet
- Delivery ranges vary based on model (see ordering information)
- 9/16"-18 outlet connection
- · Internal relief
- Two year warranty

Design, construction and performance of the series will benefit from:

- Single stage design delivers excellent performance
- Forged brass body increases durability
- Robust stem type seat mechanism ensures long regulator life
- Powder coated bonnet provides increased strength
- 2" dual scale gauges display easy-to-read graphics
- Maximum inlet of 3000 psig (delivery range see ordering information)



Victor CutSkill® Medium Duty **Regulator Packaging** with Cutaway



Compact size for light to medium duty applications

- Acetylene, Oxygen and LP gas models
- · Color coded knobs

Medium Duty

- Single stage
- Forged brass body & Zinc Aluminum housing cap
- 2" (50.8mm) gauges
- 3000 PSIG max inlet
- Delivery ranges vary based on model (see ordering information)
- 9/16"-18 outlet connection
- · Internal relief
- Two year warranty

CutSkill Regulators				
Part No.	Description (Heavy Duty 350 Series)	Gas	Delivery Range (PSIG)	
0387-2405	D350-15-300 CutSkill Regulator	Acetylene	2 - 15	
0387-2404	D350-15-510 CutSkill Regulator	Acetylene	2-15	
0781-9672	D350-15-510WQ CutSkill Regulator (Longer Swivel)	Acetylene	2 - 15	
0387-2304	D350-80-540 CutSkill Regulator	Oxygen	4 - 80	
0387-2303	D350-125-540 CutSkill Regulator	Oxygen	5 - 125	
0781-9320	D350-80-580 CutSkill Regulator	Inert	4 - 80	
0781-9671	D350-40-510LP CutSkill Regulator	LP	2 - 40	
Part No.	Description (Medium Duty 250 series)	Gas	Delivery Range (PSIG)	
0387-2104	D250-15-300 CutSkill Regulator	Acetylene	2 - 15	
0387-2103	D250-15-510 CutSkill Regulator	Acetylene	2-15	
0387-0301	D250-15-993 CutSkill Regulator	British Acetylene	2 - 15	
0387-2004	D250-80-540 CutSkill Regulator	Oxygen	4 - 80	
0387-0231	D250-125-540 CutSkill Regulator	Oxygen	5 - 125	
0387-0300	D250-80-992 CutSkill Regulator	British Oxygen	4-80	
0387-0232	D250-40-510LP CutSkill Regulator	LP	2 - 40	



150 Series Regulators

Part #	Model #	GAS	CGA Range
0781-8960	150-60-540-FB	Oxygen	540 CGA, 4-60 PSIG
0781-8961	150-15-510-FB	Acetylene	510 CGA, 2-15 PSIG
0781-8965	FPR-160AR-200 (Tote)	Acetylene*	200 CGA, 2-15 PSIG
0781-8966	FPR-150CR-540 (Tote)	Oxygen*	540 CGA, 4-60 PSIG

*Note: The tote regulators are ported from the back of the regulator body.



250 Series Regulators

Part #	Model #	GAS	CGA Range
0781-9111	RF250-80-540	Oxygen	540 CGA, 4-80 PSIG
0781-9116	RF250-125-540	Oxygen	540 CGA, 5-125 PSIG
0781-9112	RF250-15-510	Acetylene	510 CGA, 2-15 PSIG
0781-9800	RF250-15-300	Acetylene	300 CGA, 2-15 PSIG
0781-9115	RF250-40-510LP	LP	510 LP CGA, 2-40 PSIG
0781-9850	RF250-125-580	Inert Gas	580 CGA, 5-125 PSIG
0781-9851	RF250-200-580	Inert Gas	580 CGA, 10-200 PSIG



350 Series Regulators

Part #	Model #	GAS	CGA Range
0781-9171	RF350-125-540	Oxygen	540 CGA, 2-125 PSIG
0781-9172	RF350-15-510	Acetylene	510 CGA, 2-15 PSIG
0781-9802	RF350-15-300	Acetylene	300 CGA, 2-15 PSIG



Flowgauge Regulators

REGULATOR WITH TRADITIONAL DELIVER GAUGE

- Efficient gas shielding for MIG/TIG welding applications.
- · Solid brass and stainless steel construction.
- 50mm gauge size.

Part #	Model #	DESCRIPTION
0781-1102	AF150-580-FB	Argon Flow Gauge, in P.O.P. Box, CGA 580







Flowmeter Regulators

REGULATOR WITH METERING SIGHT-GAUGE (TUBE)

- Maximum inlet pressure 3,000 PSIG, outlet pressure is preset for 80 PSIG.
- Flow range is 10-50/Argon gas, 580 CGA male threaded connection.
- Model includes 10' gas hose.
- Easy to read flow tube for accurate adjustments.
- Specifically designed for MIG, TIG and other inert gas welding applications.

Part #	Model #	DESCRIPTION
0781-2733	HRF 1480-580FPH	Preset at 80 PSIG, CGA 580, clamshell, with hose



Nitrogen Flow Meter

The NFM-TT Nitrogen Flow Meter allows for a controlled flow of nitrogen gas through copper lines during brazing. Purging the line with nitrogen prevents oxidation and scale inside the tube which would otherwise cause contamination.

FEATURES

Outflow 0 to 75 SCFH
 Maximum Inlet Pressure 50 PSI

Part #	Model #	DESCRIPTION
0386-0849	NFM-TT	Nitrogen FLow Meter



Nitrogen Purge Kit

The TurboTorch Nitrogen Purge Kit is designed with the professional in mind. This kit gives you the tools to pressure check HVAC and Refrigeration lines, flush drainage lines, blow clean components, and purge lines prior to brazing to protect the joints from oxidation.

COMPONENTS

- 245-03P Nitrogen Regulator
- CP-1 1/2" Cone Plug
- NT-1 Needle Tip
- BG-NPK Blow Gun
- TT-1 Turbo Tornado™
- CP-2 3/4" Cone Plug
- CO2-NPK CO2 Adapter
- 3 ft. & 6 ft. Hose

Part #	Model #	DESCRIPTION
0386-1370	NPK-TT	Nitrogen Purge Kit





Regulators/Gauges





1424=0147



1424=0405



1424=0014



1424=0290

Features:

- · Solid brass and stainless steel construction
- Argon, Argon-CO2 capabilities
- Preset @ 18.5 SCF/H
- · Use with MIG or TIG applications
- U.L. listed

PRESET FLOW REGULATOR Part # DESCRIPTION

0387-1232 Preset Argon, argon-CO₂ regulator CGA 580

REPLACEMENT GAUGES 1.5" Part # DESCRIPTION

Part #	DESCRIPTION		
1424=0147	30#, boxed, acetylene only	1/8" NPT	
1424=0148	100#, boxed, all gases	1/8" NPT	
1424=0149	400#, boxed, all gases	1/8" NPT	
1424=0150	4000#, boxed, all gases	1/8" NPT	
High quality Lexan® crystals			

High quality Lexan® crystals

150 SERIES GAUGES 1.625"

Part #	DESCRIPTION	
1424=0405	30#, boxed, acetylene only	1/8" NPT
1424=0406	100#, boxed, all gases	1/8" NPT
1424=0407	400#, boxed, all gases	1/8" NPT
1424=0408	4000#, boxed, all gases	1/8" NPT
1424=0409	30#, SCFH Argon CO ₂ , all gases	1/8" NPT

High quality Lexan crystals

250 SERIES GAUGES 2"

Part #	DESCRIPTION	
1424=0013	30#, boxed, acetylene only	1/4" NPT
1424=0014	60#, boxed, all gases	1/4" NPT
1424=0015	100#, boxed, all gases	1/4" NPT
1424=0017	400#, boxed, all gases	1/4" NPT
1424=0019	4000#, boxed, all gases	1/4" NPT

High quality Lexan crystals

350 SERIES GAUGES 2.5"

Part #	DESCRIPTION	
1424=0290	30#, in a box, acetylene only	1/4" NPT
1424=0292	200#, in a box, all gases	1/4" NPT
1424=0293	400#, in a box, all gases	1/4" NPT
1424=0294	4000#, in a box, all gases	1/4" NPT
High quality Le	exan crystals	



Cutting Attachments CA250 / CA350

- · Stainless steel triangular tube design, provides strength
- · Brass construction for strength and durability
- · Universal mixer for all fuel gases
- · Double o-ring seal, hand tight connection to torch handle
- · U.L. Listed

250 SERIES CUTTING ATTACHMENT

Part #	Model #	Cut Capacity	Gas / Tip Model
0381-0740	CA25-FS	Capacity to 6" with proper tip	Acetylene 3-101 Series Natural Gas & Propane 3-GPN Series

350 SERIES CUTTING ATTACHMENT

Part #	Model #	Cut Capacity	Gas / Tip Model
0381-0744	CA35-FS	Capacity to 8" with proper tip	Acetylene 1-101 Series
			Natural Gas & Propane GPN Series



0381-0744

0381-0740

Welding Torch Handles

- Build-in Flashback Arrestors and reverse flow check valves for added protection
- Standard "B" hose 9/16" x 18 connection
- U. L. Listed

250 SERIES CUTTING ATTACHMENT

Part #	Model #	Description
0382-0143	WH26FC-FS	Torch Handle for 250 Series Cutting Attachment
0382-0136	WH36FC-FS	Torch Handle for 350 Series Cutting Attachment





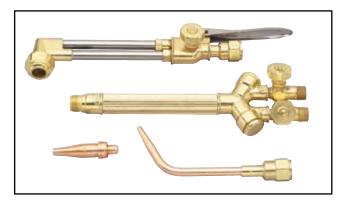


Torch Conversion Kit

This kit contains all you need to make the conversion from other style torches to Firepower style (the world's most popular) torch products. Like all Firepower products, the torch handle features patented built-in Flashback Arrestors and patented built-in reverse flow check valves. The world's safest oxygen and acetylene cutting apparatus. Firepower oxygen and acetylene apparatus feature solid brass and stainless steel construction providing you years of trouble free service.

Kit includes:

- 250 Series Cutting Attachment
- 250 Series Torch Handle
- #1 Cutting Tip
- #1 Welding Tip
- Mixer Nut
- Tip Cleaner
- Patented Built-in Flashback Arrestors
- · Patented Built-in Reverse Flow Check Valves
- U.L. Listed



0384-0904

Straight Cutting Torch ST900FC-FS



- For use with any fuel gas 5 PSIG and above using 350 Series cutting tips
- 90° head, Tri-tube design
- Length 21".
- Cuts from 1/8" to 6"
- U. L. Listed

ST900FC-FS STRAIGHT CUTTING TORCH

Part #	Model #	Description
0381-0751 ST900FC-FS		Straight Cutting Torch 90° head, length 21"
		Uses 350 Series Cutting Tips
		Series 1-101 and Series GPN



Oxy-Acetylene Accessories

- Provide ultimate protection against "Flashback" in your oxyacetylene system. Comes with "B" 9/16"-18 threads
- · Arrestors have high flow capacity
- · Arrestors are 100% tested
- FPKC Kwik connects allow the changing of torch handles without a wrench tight connection

FLASHBACK Part #	ARRESTORS Model #	DESCRIPTION
0656-0015	FPTA	Torch Flashback arrestor set with check valves
0656-0016	FPRA	Regulator Flashback arrestor set with check valves
0656-0000	KC-1 Kwik Connect™	Pair Pak (Oxygen and Fuel)







0656-0016

0656-0000

0656-0015

Welding Hose

Premium quality hose produced to stringent specifications.
 Meets or exceeds the requirement of RMA and CGA.

Warning!

"Grade R" welding Hose is recommended for use with Acetylene Gas only.

WELDING HOSE

<u>Model</u>	Size	Grade
1412-0012	3/16" x 12.5 ft. (Dual)	R
1412-0020	3/16" x 25 ft.	R
1412-0021	1/4" x 25 ft.	R
1412-0022	1/4" x 50 ft.	R



1412-0020 1412-0012 1412-0021





Cylinders

AC-MC Part No. 0916-0002

- Type "MC" Acetylene Cylinder, 10 cu. ft. Capacity
- CGA 200 Connection
- Fits TurboTote 0386-1241 Case
- Fits CutSkill Tote 1421-0084
- · DOT, TC Certified

0X-20 Part No. 0916-0003

- Type "R" Oxygen Cylinder, 20 cu. ft. Capacity
- CGA 540 Connection
- Fits TurboTote 0386-1241 Case
- Fits CutSkill Tote 1421-0084
- · DOT, TC Certified

NT-40 Part No. 0916-0028

- · 40 cu. ft. Nitrogen Cylinder
- CGA 580 Connection
- · DOT, TC Certified





0916-0003

Cylinder Wrench

Wrench Part No. 0386-1226

Fits B & MC Tanks



Replacement Cylinder Tote

FLASHBACK ARRESTORS

Part # DESCRIPTION

1421-0085 Cylinder Tote Only





Firepower Arc Welding Electrodes





Firepower Arc Welding Electrodes

Туре 6010	1 lb. Box	5 lb. Box	10 lb. Box	50 lb. Box
Rod Size	Part #	Part #	Part #	Part #
3/32"	ı	1440-0474	_	_
1/8"	_	1440-0473	_	_
5/32"	-	1440-0475	_	_

<u>Туре 6011</u>	1 lb. Box	5 lb. Box	10 lb. Box	50 lb. Box
Rod Size	Part #	Part #	Part #	Part #
3/32"	1440-0115	1440-0116	1440-0117	1440-0118
1/8"	1440-0105	1440-0106	1440-0107	1440-0108
5/32"	1440-0095	1440-0096	1440-0097	1440-0098

Туре 6013	1 lb. Box	5 lb. Box	10 lb. Box	50 lb. Box
Rod Size	Part #	Part #	Part #	Part #
3/32"	1440-0145	1440-0146	1440-0147	1440-0148
1/8"	1440-0134	1440-0135	1440-0136	1440-0137
5/32"	1440-0124	1440-0125	1440-0126	1440-0127

Туре 7014	1 lb. Box	5 lb. Box	10 lb. Box	50 lb. Box
Rod Size	Part #	Part #	Part #	Part #
3/32"	1440-0205	1440-0206	1440-0207	1440-0208
1/8"	1440-0200	1440-0201	1440-0202	1440-0203
5/32"	1440-0150	1440-0151	1440-0152	1440-0153

Туре 7018	1 lb. Box	5 lb. Box	10 lb. Box	50 lb. Box
Rod Size	Part #	Part #	Part #	Part #
3/32"	1440-0195	1440-0196	1440-0197	1440-0198
1/8"	1440-0185	1440-0186	1440-0187	1440-0188
5/32"	1440-0180	1440-0181	1440-0182	1440-0183

Features:

Type 6010

- Premium AWS Class E-6010
- Mild steel type
- Deep penetration, welds through rust, scale, oil and dirt
- Excellent for pipe welding, root
- DC, reverse polarity
- 60,000 PSI tensile strength
- · All position electrode

Type 6011

- Premium AWS Class E-6011
- Mild steel type
- Deep penetration, welds through rust, scale, oil and dirt
- Use when you are unable to prepared the welding surface
- AC or DC, reverse polarity
- 60,000 PSI tensile strength
- All position electrode

Type 6013

- Premium AWS Class E-6013
- Mild steel type
- Designed for General Purpose
- Excellent for low heat applications
- Best used with clean or prepared welding surface
- AC or DC, reverse polarity
- 60,000 PSI tensile strength
- All position electrode

Type 7014

- Premium AWS Class E-7014
- Iron powder type
- Designed for high deposition and high electrode travel speed
- Medium to low penetration
- Best used with clean or prepared welding surface
- · AC or DC, reverse polarity
- 70,000 PSI tensile strength
- · All position electrode

Type 7018

- Premium AWS Class E-7018
- Low Hydrogen Type
- Designed to produce X-Ray quality welds
- Medium penetration
- Best used with clean or prepared welding surface
- AC or DC, either polarity
- 70,000 PSI tensile strength
- · All position electrode



Firepower Job Packs



FIREPOWER JOB PACKS

Part #	Description	No. Rods
1440-0400	Bronze Flux Coated Brazing Rods, 3/32" diameter x 14" long No brazing flux needed	4
1440-0401	Bronze Bare Brazing Rods, 3/32" diameter x 14" long Requires brazing flux	4
1440-0402	E4043 Aluminum Welding Electrodes, 1/8" diameter x 14" long Use with ANY Aluminum Application	3
1440-0403	Cutting Electrodes, 1/8" diameter x 14" long Use your Electric Welder as a cutting Torch	3
1440-0405	6013 General Purpose Electrodes, 1/16" x 10" long	4
1440-0406	6013 General Purpose Electrodes, 3/32" diameter x 14" long Excellent for use with all types of Arc Welders	4
1440-0409	6011 Welding Electrodes, 1/8" diameter x 14" long Excellent for Maintenance & Repair Applications	3
1440-0411	Nickel 55 Welding Electrodes, 1/8" diameter x 14" long For ALL Cast-Iron Welding Applications	4
1440-0423	ENiCl Pure Nickel Electrode 3/32" diameter x 14" long	5
1440-0424	ENiCl Pure Nickel Electrode 1/8" diameter x 14" long	3
1440-0440	Cast Iron (60% Nickel) 3/32" diameter x 14" long	3
1440-0441	6011 Mild Steel 3/32" diameter x 14" long	4



Mild Steel Electrodes



E6024 - QUICK START

Part #	Description
1440-0412	1/16" 1 lb.
1440-0413	1/16" 5 lbs.

E6024 Quick Start Electrodes

Mild steel type electrode has a special quick start tip. Stable arc and automatic action that makes it easy to use on thin metals requiring low amperage. Features self-cleaning action that works well in all positions. Tensile Strength 60,000 PSI.

Current: AC/DC

Amperage Recommendations:	AMPS	DIA.
	25-00	1/16'

Maintenance Rod

Mild steel type electrode designed for general purpose. Excellent for low heat applications and best used with a clean or prepared surface. This electrode has a 60,000 PSI tensile strength and can be used on AC or DC, reverse polarity.

Part #	Description
1440-0454	1/16" 1 lb.

Stainless Steel Electrodes



1440-0165



1440-0155/1440-0156

308 Stainless Steel Electrodes

- For welding all 200 and 300 series stainless up to and including 308
- Provides equal or better corrosion resistance than the base metal
- Can be used for fabricating and repairing austenitic manganese steel

308 STAINLESS STEEL

Part #	Pack Size	Electrode Description
1440-0165	1 lb. Box	3/32" x 14" Electrodes
1440-0155	1 lb. Box	1/8" x 14" Electrodes
1440-0156	5 lbs. Box	1/8" x 14" Electrodes

E-309L

- · For welding/joining of 300 series stainless to mild steel.
- Provides equal or better corrosion resistance than the base metal

Part #	Pack Size	Electrode Description
1440-0497	1 lb. Box	3/32" x 14" Electrodes
1440-0496	1 lb. Box	1/8" x 14" Electrodes



Nickel Base Electrodes

ESt Cast Iron Electrodes (Non-Machinable, Steel Core)



CAST IRON

Part # **Description** 1440-0449 1/8" 1 lb. 1440-0443 1/8" 5 lbs.

Tensile strength 62,000 PSI. Elongation 20%

This cast iron electrode is specifically developed for dirty and oil soaked cast iron applications. It is also ideal for heat affected cast iron repairs. This electrode offers the least expensive method of repairing cast iron. Great for repairing castings, transmission housings, etc. Non-Machinable.

Current: AC/DC - DC+ recommended

Amperage Recommendations: 70-125 Amps

ENIFECI Nickel 55 Cast Iron Electrodes (Machinable)



NICKEL 55 CAST IRON

Part #	Description
1440-0440	3/32" Job pack (3 rods)
1440-0083	1/8" 1 lb.

Tensile strength 70,000 PSI. Elongation 12%

The most versatile cast iron electrode. The best solution for repairing cast iron, heavy cast iron sections. The smooth arc characteristics produce strong, sound welds at low amps. Repairs cylinder blocks, exhaust manifold, and machine bases.

Current: AC/DC - DC+ recommended

Amperage Recommendations:	AMPS	DIA.
	70-90	3/32
	80-120	1/8"

ENICI Pure Nickel 99% Cast Iron Electrodes (Machinable)



PURE NICKEL 99% CAST IRON

Part #	Description
1440-0423	3/32" Job pack (5 rods)
1440-0424	1/8" Job pack (3 rods)
1440-0425	1/8" 1 lb.
1440-0374	1/8" 5 lbs.

Tensile strength 55,000 PSI. Elongation 10%

The highest quality nickel electrode available. Welds well in all positions. The high (99%) nickel content has a natural attraction to cast iron giving it superior performance when welding cast iron material. Nickel 99 can be used on cast iron parts that are subject to heating and cooling, such as engine blocks, cylinder heads, exhaust manifolds, etc. Excellent machinability.

Current: AC/DC - DC+ recommended

Amperage Recommendations:	AMPS	DIA.
	70-90	3/32"
	70-110	1/8"



Aluminum Electrodes

E4043 Aluminum Arc Electrodes



			_
ΛІ		1184	ARC
ΔІ	VI I N	HIVI	AKI.

Part #	Description
1440-0419	1/8" 1 lb.
1440-0420	1/8" 5 lbs.

This flux coated aluminum electrode is designed to give a weld with strength ductility and corrosion resistance equal to parent metal. Applications include aluminum, sheet metal, plates, castings, tanks and piping. Tensile strength 34,000 PSI. Elongation 18%.

Current: DC+

Amperage Recommendations:	AMPS	DIA.
	70-120	1/2"

Hardfacing Electrodes

Specialty Electrodes - Hardfacing Electrodes



1440-0080/1440-0081

This high quality, all purpose electrode produces outstanding impact and abrasion resistance. The high deposition rate prolongs surface life of new and worn parts. Ideal for repairing all types of agriculture, construction equipment, auger, buckets, concrete mixers, etc.

Amperage Recommendations:	AMPS	DIA.
	110-140	1/8"

HARDFACING ELECTRODES

Part #	Pack Size	Electrode Description
1440-0080	1 lb. tube	1/8" #35 High Abrasion/Hardfacing
1440-0081	5 lbs. Box	1/8" #35 High Abrasion/Hardfacing

Cutting Electrodes



A special heavy duty coating produces 7000° heat at high-arc velocity. Use this electrode for a fast, low-cost means of cutting cast iron and stainless steel without special equipment.

CUTTING

0011111u	
Part #	Description
1440-0426	1/8" 1 lb.

Current: AC



Mild Steel Solid Wire

ER70S-6 MIG Wire Solid



- Premium AWS CLASS ER70S-6
- · For general purpose MIG welding
- · Designed to be used on mild steel
- · Best used with clean or prepared welding surface
- Requires a shielding gas
- DC reverse polarity

SOLID WIRE

Part #	Spool Size	Wire Size
1440-0210	2 lbs.	.023"
1440-0211	11 lbs.	.023"
1440-0212	33 lbs.	.023"
1440-0215	2 lbs.	.030"
1440-0216	11 lbs.	.030"
1440-0217	33 lbs.	.030"
1440-0220	2 lbs.	.035"
1440-0221	11 lbs.	.035"
1440-0222	33 lbs.	.035"
1440-0447	33 lbs.	.045"

Stainless Steel Solid Wire

ER 308L MIG Wire Stainless Steel



- Premium AWS CLASS ER308L
- · For stainless steel MIG welding
- · Best when used with a clean or prepared welding surface
- · Requires a shielding gas
- DC reverse polarity

STAINLESS STEEL

Part #	Spool Size	Wire Size	
1440-0245	2 lbs.	.030"	
1440-0489	10 lbs.	.030"	



Aluminum Solid Wire

ER5356 MIG Wire Aluminum



- · For aluminum MIG welding
- · Best when used with a clean or prepared welding surface
- · Requires a shielding gas
- · DC reverse polarity

ALUMINUM

Part #	Spool Size	Wire Size	AWS Class	
1440-0240	1 lb.	.030"	ER 5356	
1440-0241	1 lb.	.035"	ER 5356	
1440-0445	3 lbs.	.035"	ER 5356	
1440-0456	1 lb.	.030"	ER 4043	

Flux Cored Wire

E71T-GS Fluxed Cored



- Premium AWS CLASS E 71T-GS
- · Also called "Self-Shielding" or "Gasless"
- For general purpose MIG welders
- · Designed to be used on mild steel
- Best used with clean or prepared welding surface
- · Requires no shielding gas
- · DC straight polarity

FLUX CORED WIRE

Part #	Spool Size	Wire Size
1440-0230	2 lbs.	.030"
1440-0231	10 lbs.	.030"
1440-0235	2 lbs.	.035"
1440-0236	10 lbs.	.035"



Gas Welding Rods



Low carbon steel rod manufactured to the highest quality standards. Copper coating prevents rusting and improves corrosion resistance. A great rod for shop, home, commercial and maintenance repairs. 65,000 PSI tensile strength.

OXYGEN/ACETYLENE MILD STEEL (Copper Coated)

Part #	Description
1440-0442	1/16" x 18" 5 lbs.



Bare brazing rod low furning highest quality. Balanced zinc and copper alloy. Excellent for brazing fenders, radiators, water tanks and sheet metal. 63,000 PSI tensile strength.

MANGANESE BRONZE BARE GAS RODS

Part #	Description
1440-0427	3/32" x 36" 5 lbs.
1440-0428	1/8" x 36" 5 lbs.



Flux coated, low fuming brazing rod. Provides all properties for best tensile strength and ductility. Rod fuses well with cast iron, malleable iron, galvanized iron, steel, brass and copper. 65,000 PSI tensile strength.

MANGANESE BRONZE FLUX COATED GAS RODS

Part #	Description	
1440-0431	3/32" x 36" 1 lb.	
1440-0429	3/32" x 36" 5 lbs.	
1440-0430	1/8" x 36" 5 lbs.	



Brazing & Silverflow Rods



1440-0025

- Lead-free, 0% Silver, 7.1 Phosphorus, balance copper Known as "poor man's" silver
- Free flowing/very fluid, no flux required
- · Not for ferrous material, use only with copper base alloys
- · Use flame torch

SILVERFLOW BRAZING ALLOY

Part #	Pack Size	Electrode Description
1440-0025	.5 lb. tube	1/16" x 1/8" x 18" long flat rods,
		16 pieces per tube



1440-0026

- Low fuming, flux coated bronze, 59%
- For brazing iron based materials (except stainless steel)
- · Also used for brazing steel to copper or brass
- Use flame torch

BRONZEFLOW BRAZING ALLOY

Part #	Pack Size	Electrode Description	
1440-0026	.5 lb. tube	3/32" x 18" round rods,	
		12 pieces per tube	



Aluminum rod is excellent for all types of sheet or cast aluminum. This product greatly simplifies the process and requires no flux. Applications include aluminum boats, lawn equipment, outboard motors and castings.

EASY-FLO ALUMINUM BRAZING ROD

Part #	Description
1440-0434	1/8" x 18" 1 lb.





A complete line of premium brazing alloys, high silvers, solders and fluxes.

TurboTorch® Viper® products are ideal for a variety of applications. These premium products deliver all the quality and performance professionals have come to expect from TurboTorch®.













Part Number	Model Number and Description	
Phos-Copper Alloys		
0386-0421	Viper SF-1, 1 lb.	
0386-0493	Viper SF-2, 1 lb.	
0386-0494	Viper SF-5, 1 lb.	
0386-0495	Viper SF-6, 1 lb.	
0386-0491	Viper SS-15, 1 lb.	
	Soldering Alloys	
0386-1379	Viper SX, 1 lb. spool	
0386-1382	Viper 95/5, 1 lb. spool	
Fluxes		
0386-1396	Viper Soldering Flux, 4 oz.	
0386-1393	Viper Silver Brazing Flux, 6.5 oz.	
0386-1394	Viper Aluminum Flux, 4 oz.	
	Kits	
0386-1395	Viper Aluminum Repair Kit	

For complete Viper product specifications, please reference the Viper brochure. Ask for form number 66-2826 or view online at www.turbotorch.com.



Solders and Fluxes

Lead Free Solder:

Used for non-electrical applications. Applications include Plumbing and Refrigeration systems. (95% Tin, 5% Antimony)

Acid Flux Core Solder:

Is used for non-electrical applications. Applications include, Sheet Metal joint and fitting connections, works well on many types of metals (Copper, Brass, Nickel and Galvanized Steel).

Rosin Flux Core Solder:

Used for electrical applications.
Completely non-corrosive and electrically non-conductive.

Lead Free Solder Model	Hom	Wainht
	Item	Weight
1423-1115	Lead Free, 95/5	1/8" x 1 lb.
1423-1117	Lead Free, 95/5	1/8" x 1 lb.
1423-1116	Lead Free, 95/5	1/8" x .5 lb.
Acid Flux Core Sold Model	er Item	Weight
1423-1102	Acid Flux Core, Comm.	1/8" x 1 lb.
1423-1109	Acid Flux Core, 30/70	1/8" x 1/2 lb.
1423-1108	Acid Flux Core, 40/60	1/8" x 1/4 lb.
Rosin Flux Core Sol Model	der Item	Weight
1423-1114	Rosin Flux Core, 40/60	1/8" x 1 lb.
1423-1113	Rosin Flux Core, 30/70	3/32" x 1/2 lb.
1423-1110	Rosin Flux Core, 40/60	1/16" x 1/4 lb.
1423-1112	Rosin Flux Core, 40/60	3/32" x 1/4 lb.
Soft Silver Solder K Model	it with Flux Size	
1423-1119	1/16" x 36"	
Cast Iron, Copper a Model	nd Brass Brazing Flux Weight	
1440-0467	1 lb.	
Aluminum Brazing F Model	lux Powder Size	
1423-1118	4 oz.	

Soldering Flux and Paste

Soft Soldering/Tinning Flux that is active between 200°F and 600°F. Very effective on copper and repairing automotive radiators.

Model	Item
1423-1111	2 oz. Soldering Flux
1423-1101	2 oz. Soldering Paste

Anti-Spatter Nozzle Shield

- · Prevents spatter adhesion on surface reduces clean-up time
- · Non-flammable contains no silicones

Model	Item	
1440-0296	Anti-Spatter Spray 16 oz	





Welder's Gloves

1423-0051 - Welder's Gloves

- Durable Suede Leather
- Wing Thumb
- Partially Welted Seams
- Full Sock Lining

- 14" Flared Gauntlet Cuff
- Self Hem
- Size: L

1423-4133 - Premium Welder's Glove

- Sturdy Suede Leather
- Wing Thumb
- Fully Welted Seams
- 100% Cotton Lining
- 14" Flared Gauntlet Cuff
- Self Hem
- Size: L



Welding Protective Blanket and Equipment Cover

1423-1404 - Welding Blanket (38" x 24")

- Use our exclusive fabric to protect personnel and equipment during welding, cutting, grinding and other potentially hazardous operations
- Service range up to 1000° F / 538° C, 20% higher than conventional welding fabrics
- Resistant to abrasion
- Fabric can be draped over equipment or used as a curtain to isolate hazardous operations
- · Grommets (36"-Centers) for versatility





Welder's Safety and Chemical Splash Goggles

1423-0019 - Welder's Cup-Type Goggle, 50mm

- Lightweight, hard plastic goggles (50mm)
- Comes with tough polycarbonate lens (Shade No. 5)
- Adjustable elastic headband and nose piece
- Meets/Exceeds ANSI Z87.1 and various International Standards

1423-0017 - Fixed Front, Welders Goggle Soft Frame, 2" x 4.25"

- Furnished with filter lens (Shade No. 5)
- Soft vinyl frame fits easily over corrective glasses
- · Hooded vents prevent fogging and offers excellent ventilation
- Adjustable elastic headband
- Meets/Exceeds ANSI Z87.1 and various International Standards

1423-0018 - Lift Front, Welder's Goggle Soft Frame, 2" x 4.25"

- Filter lens frame raises easily for on-the-job versatility (Lift Front Type)
- Furnished with filter lens (Shade No. 5)
- Soft vinyl frame fits easily over corrective glasses
- Hooded vents prevent fogging and offers excellent ventilation
- Adjustable elastic headband
- Meets/Exceeds ANSI Z87.1 and various International Standards

1423-0020 - Clear Safety Goggle, with Clear Lens

- Furnished with tough polycarbonate clear lens
- For protection against flying particles and dust
- Soft vinyl frame fits snugly and can be worn for extended periods with comfort
- Transparent frame allows vision in all directions
- Hooded vents prevent fogging and offers ventilation
- · Adjustable elastic headband
- Meets/Exceeds ANSI Z87.1 and various International Standards

1423-4173 – Chemical Splash Goggle, 4 Vents

- Dust, splash and light impact resistant
- Indirect ventilation through four screened vents for added protection
- · Clear polycarbonate lens
- · Clear frame allows wide angle vision
- Soft vinyl frame fits snugly and can be worn for extended periods with comfort
- · Adjustable elastic headband
- Meets/Exceeds ANSI Z87.1 and various International Standards













Grinding Shield

1423-4175 - Grinding Shield

- Complete with Clear Visor, 8" x 12" x .040""
- Ratchet quickly adjusts headband to various sizes
- Meets/Exceeds ANSI Z87.1 and various International Standards



Replacement Visors

1441-0015 - Replacement Visor

- Clear visor for face shield, 8" x 12" x .040"
- High grade PETG, for excellent protection against paints & mild chemicals
- · Wide flare for maximum protection
- · Universal hole pattern fits most brand name headgear

Caution: Use PETG visors for protection against lower level impacts only





Safety Glasses

Optimax™ - 58 mm, Safety Glasses

· Meets or Exceeds ANSI Z87.1 and various International Standards

Model	Lens Shade
1423-4120	Shade 5



Luxur™ – Fashion Safety Glasses, One-piece Lens, Adjustable Templates

Meets or Exceeds ANSI Z87.1 and various International Standards

Model	Lens Shade
1423-4177	Shade 5



Regal™ - Safety Glasses, 48 mm

• Meets or Exceeds ANSI Z87.1 and various International Standards

Model	Lens Shade
1423-4126	Clear
1423-4127	Dark Green



Symetrix[™] – Wrap-a Round Visitor Glasses

· Meets or Exceeds ANSI Z87.1 and various International Standards

Model	Lens Shade
1441-3408	Symetrix, Clear





Tweco* WeldSkill* Auto-Darkening Welding Helmets

Welding Helmet Features

Thermal Arc Professional Auto-Darkening Welding Helmet is designed to meet the needs of the professional user. The helmet offers the latest safety features while providing maximum performance and comfort.

AUTO DARKENING



Variable Shade This welding helmet is fitted with an autodarkening filter lens that has variable adjustment from Shade 9 to Shade 13.

ING W4011700 – USA Helmet



W4011800 - Canada Helmet





High Impact Rating This welding helmet complies to ANSI Z87.1 high impact requirements (high mass and velocity impact).

WARRANTY



2 Year Warranty This product is manufactured to stringent Thermal Arc quality standards and is covered by a conditional Two Year warranty.

Auto-Darkening Filter Lens features

- Variable shade from 9–13
- Battery powered with solar assist for extended battery life
- 1/20,000 second reaction time
- Fully adjustable sensitivity and delay controls
- Low battery indicator



W4012000 – Black Helmet



W4011900 - Claret Helmet

ACCESSORIES

Part No.	Description .	Part No.	Description	Part No.	Description
r art No.	Description	i ait No.	Description	r art No.	Description
454332	Helmet Shell, USA	454320	Auto-Darkening Filter Lens	454302TA	Product Bag – Welding Helmet
454333	Helmet Shell, Canada	454299	Rear Cover Lens	454321	Magnifying Lens – 1.00
454334	Helmet Shell, Claret	454330	Cover Lens Holder Button	454322	Magnifying Lens – 1.50
454335	Helmet Shell, Black	454300	Harness Assembly Complete	454323	Magnifying Lens – 2.00
454298TA	Front Cover Lens	454301	Sweat Band	454331	Battery - Type CR2032



Tweco* WeldSkill* Auto-Darkening Welding Helmets



Tweco Carbon Fiber Helmet Part No. 4100-1001



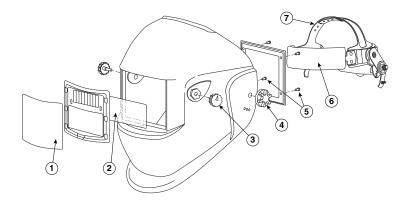
Tweco USA Helmet Part No. 4100-1002



Tweco Flames Helmet Part No. 4100-1004



Tweco Chopper Helmet Part No. 4100-1003



AUTO DARKENING WELDING HELMET SPARE PARTS

Item No.	Part No.	Description	Qty
1	WH41001FL	Front Cover Lens	1
2	WH41001ADF	Auto-darkening filter cartridge	1
3	WH410011L	Inside cover lens	1
4	WH41001KB	Shade knob / Sensitivity knob	1
5	WH41001SN	Shade nut	2
6	WH41001SB	Shade box / Sensitivity box	1
7	WH41001SP	Shade scale plate / Sensitivity scale plate	2
8	WH41001BN	Block nut	2
9	WH41001FHS	Shell, carbon fiber	1
9	WH41001EHS	Shell, eagle	1
9	WH41001CHS	Shell,chopper	1
9	WH41001SHS	Shell, skull & fire	1
10	WH41001FF	Filter setting frame	1
11	WH41001FS	Filter setting screw	4
12	WH41001HB	Front headband	1
13	WH41001LW	Adjustable limitation washer	2
14	WH41001SC	Screw	1
15	WH41001HG	Adjustable headband	1
NS	WH41001HH	Hard hat fixture	1
NS	WH41001ML	Magnifying lens	1



Eclipse Welding Helmets

- Extended head, face, neck and ear coverage protects against sparks and slag - preventing burns and harmful Ultra-violet and Infra-red rays
- Channels smoke and fumes away from the welder making breathing easier and unique shape that allows room for respirators
- Built-in magnifier holder is adjustable to multiple positions
- Adaptable to most Auto-darkening Filters
- Helmet includes Shade 10 filter plate and adjustable locking headgear with sweatband
- Meets or Exceeds: ANSI Z87-1 & CE Standards

Model	Item
1441-0024	Fixed Front Helmet, 2" x 4.25"
1441-0026	Fixed Front Helmet, 5.25" x 4.5"
1441-0025	Lift Front Helmet, 2" x 4.25"
1441-0059	Auto Darkening Helmet, 2" x 4.25" Fixed Shade #10, 4.9" View
1423-4110*	Headgear for Eclipse™ Helmet







1441-0026



1441-0025



1441-0059

^{*}not shown



Eclipse Welding Helmets

- Streamlined, compact design allows welders to get into tight places
- Meets or Exceeds: ANSI Z87-1, CE and various International Standards



Model	Item
1441-0042	Adjustable Ratchet Headgear
1441-0023	Fixed Front Helmet, 2" x 4.25" Economy, Black
1441-0038	Fixed Front Helmet, 4.5" x 5.25" Economy, Black
1441-0004	Lift/Fixed Front Combo Helmet, 4.5" x 5.25", Black
1423-4100	Hand Welding Shield, 2" x 4.25"







1441-0038



1441-0004





Glass Filter Plates

- Hardened glass is heat-treated for strength.
- Meets or Exceeds: ANSI Z87-1, all current applicable Federal Specs., CSA Z94.3,CE and various International Standards.

Model	Shade		
Filter Plate 2" x 4	1.25"		
1423-4124	Shade #5		
1441-0047	Shade #10		Value
Filter Plate 4.5"	¢ 5.25"	2" x 4-1/4"	4-1/2" x 5-1/4"
1441-0049	Shade #10		

Polycarbonate Cover and Safety Plates

- Polycarbonate clear safety or cover plates, as components of welding goggles or helmets exceed the high velocity and high impact requirements of the ANSI Z87.1-1989 and Canadian CSA Z94.3 Standards
- Functions as either cover or safety plate
- · Eliminates the accidental use of a cover plate in instances where a safety plate is necessary





Hose Repair Dealer Kit

- Streamlined, compact design allows welders to get into tight places
- Meets or Exceeds: ANSI Z87-1, CE and various International Standards

Part #	Model #	DESCRIPTION
1420-0296	DK-FP	Complete Dealer Kit*

^{*}Includes: "A" and "B" size hose fitting with KI2B vise-grip type crimping tool. Contains nuts, nipples, couplers, splicers and ferrules for 1/4" and 3/16" I.D. hose.



Crimper⁻, Heavy Duty Lug/Splicer Crimping Tool

- Durable spring loaded mechanism holds Terminal/Lug in place
- Delivers 1400-1800 lbs. pull-out resistance (Terminal To Cable)

Model #	Jaw Opening	Cable Capacity
1423-1209	Up to 1"	6-4/0





Welper® MIG Pliers (8 tools in one!)

- Designed for hammering, wire cutting, insulator bushing removal and installation and drawing out wire
- Perfect for removal and installation of contact tips and nozzles

Model	Item
1423-1428	Welper, MIG Pliers



Lightnin' Bug® Torch Lighter

- Tested to 300,000 Strikes!
- · Easy and accurate ignition insured by multi-spark discharge
- · Zinc Plated body resists rust and corrosion

Model	Item
1423-1423	Lightnin' Bug, Torch Lighter



Single Flint, Triple Flint and Flint Replacements

- Tested to 300,000 Strikes!
- · Easy and accurate ignition insured by multi-spark discharge
- · Zinc Plated body resists rust and corrosion

Model	Item
Single Flint	
1423-0026	Single Flint Spark Lighter
1423-0032	Flints for Single Flint Spark Lighter 1 Holder/pk. (5 pcs)
Triple Flint	
1423-0050	Triple Flint Spark Lighter
1423-0052	Flints for Triple Flint Spark Lighter 2 per Pack









1423-0032



Tip Cleaners

Standard

Set of 13 cleaners with file. Sizes #6 through #26 for cleaning Drill Size 77-49.

King Size

Set of 13 cleaners Extra Long with file. Sizes #6 through #26 for cleaning Drill Size 77-49.

Model	Item
1423-0016	Standard Tip Cleaner
0387-0487	King Size Tip Cleaner



			Cleans	: Hole
Gage	Wire Dia.	Ridge Dia.	Diameter Inch	Drill Size
6	0.014	0.016	.018020	77-76
7	0.018	0.020	.021022	75-74
8	0.021	0.023	.024026	73-71
10	0.024	0.026	.028031	70-68
12	0.028	0.030	.032035	67-65
14	0.032	0.034	.036038	64-62
15	0.035	0.038	.039040	61-60
16	0.037	0.040	.041042	59-58
17	0.039	0.042	.043046	57
18	0.042	0.044	.046051	56
22	0.048	0.050	.052055	55-54
24	0.055	0.057	.060064	53-52
26	0.062	0.065	.067073	51-49
I	ı	I		

Tip Drill Cleaner Kit (12 piece)

- · Cleans and Trues most Standard Orifices
- Contains most commonly used 12 drills (#57-74) in assorted sizes
- · Complete with Built-in Chuck and Pocket Clip

Model	Item
1423-1408	Tip Drill Kit, 12 pc.
	Drill sizes: #52-74





Soapstone

Model	Item
1423-0095	Flat Soapstone, 6 pcs./pk
1423-0094	Round Soapstone, 6 pcs./pk



Soapstone Holder

1423-0097 Flat Soapstone Holder	Model	Item
1423-0096 Round Soapstone Holder		•

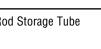


Handyguard, Welding Rod Storage Tube

Weld rod storage tubes provide great storage for all your welding electrodes, rods and filler metals. Chloride-free and features a threaded cap with long lasting neoprene seal to keep electrodes airtight-preventing them from being contaminated with atmospheric moisture.

• Holds up to 10 lbs. of 12" or 14" Electrodes

Model	Item
1421-0062	Handy Guard Weld Rod Storage Tube



Chipping Hammer

- Hammer heads are hardened to precisely controlled temperatures for durability and strength
- · Wide-blade design removes slag faster and adds to life of the tool
- Holds up to 10 lbs. of 12" or 14" Electrodes

Model	Item	Length	Weight
1423-0086	Cone and Chisel	12"	14 oz.



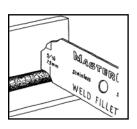


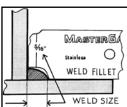
MasterGage Fillet Weld Gage



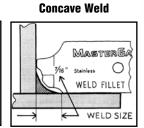
- · High quality stainless steel (SUS 304) blades to resist rust for longer life
- Permits quick and accurate measuring of most popular weld fillet sizes in inches and metric: 1/8"-1" (3.2mm - 25.4mm)
- · Set of seven blades come in a handy, vinyl pocket case with snap lock

Model	Item
1423-1464	MasterGage, Fillet Weld Gage





Convex Weld





Fillet Weld Gage by MasterGage™

Rap-Around Measuring Tape (For Pipe Measurement)

- · An inexpensive tool for marking straight lines around pipe, or for use as a straight edge
- Double-ruled: It's never upside down
- · Printed in scale inches, pitch chart, tangent chart and other useful markings
- Packaged in a clear plastic tube for easy identification and protection between jobs

Model	Item
1423-1405	Rap-Around Tape, 4" x 72"



4-Way Pick Set

- Knurled 5" aluminum handle
- Four tempered steel picks 3" long screw into handle

Model	Item
1423-1435	4-Way Pick Set





Locking Pliers/Clamps

Model	Item
1423-1432	Locking Pliers, 11"



Steel Ground Clamps

- · Large contact area assures positive grounding
- Zinc plated
- · Large hex screw cable connection assures safe cable connection every time
- Pure copper braided shunts on 1443-0027-allows both jaws to carry welding current

	Amperage	Jaw	Cable	
Model	Capacity	Opening	Capacity	Length
1443-0025	200	Up to 1"	1/0	6"
1443-0026	300	Up to 2"	2-1	8"
1443-0027	500	Up to 2"	1/0-4/0	10"



1443-0026









Cable Lugs

1443-0002 1443-0003

1443-0004

1443-0005

Model	Cable Capacity	Amperage	Stud Hole	ID of Socket	Pack
1443-0002	6-8	75	21/64"	10/32"	2 pc./pk.
1443-0003	4-6	100	21/64"	11/32"	2 pc./pk.
1443-0004	6-2	150	17/32"	1/2"	2 pc./pk.
1443-0005	1-2/0	200	17/32"	35/64"	2 pc./pk.



Mag Tool Multi-Purpose Magnetic Holders

• Mag Tool will hold both sheet and tube at angles of 45°, 90° and 135°

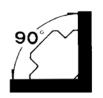
 Model
 1423-1425
 1423-1426

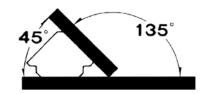
 Size
 Medium
 Large

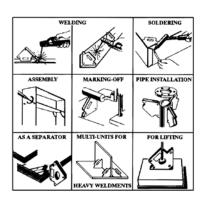
 Dimensions
 4.7" x 3.4" x 0.56"
 6.3" x 4" x 0.63"

Magnet: Anisotropic Ferrite

** In contact with ferrous objects of adequate thickness and smooth surface finish









1423-1425



1423-1426

C-Clamps / Malleable Iron

- Steel spindles are copper plated for splatter protection
- · Swivel pads adjust freely to bear evenly on clamped parts
- Lacquered Finish

Model	Size	Throat Capacity	Depth	Spindle Diameter
1423-1419	4"	0"-4"	2-1/4"	7/16"





Scratch Brushes

Curved Long Handle Brushes

Model:	Wire	No. of Rows	Trim Length
1423-0087	Carbon Steel	3 x 19	1.1875"
1423-0082	Stainless Steel	3 x 19	1.1875"



Shoe Handle Brushes

Model:	Wire	No. of Rows	Trim Length
1423-0083	Carbon Steel	4 x 16	1.1875"
1423-1442	Stainless Steel	4 x 16	1.1875"



Welders Toothbrush Style

Model:	Wire	No. of Rows	Trim Length
1423-0081	Stainless Steel Tinning	3 x 7	1/2"
1423-0084	Brass	3 x 7	1/2"
1423-1400	Brass	2 x 9	1/2"



Flux Brush

Model	Trim Width	Trim Length	Total Length	Pack
1423-0093	1/2"	3/4"	5.75"	3 pc./Pk.



Parts Cleaning Brush

Model	Handle	Length	
1423-1402	Plastic	10.5"	





Power Brushes: End Brushes

Firepower small diameter wire brushes are designed for use in restricted or hard-to-reach areas. They are excellent for deburring, blending and cleaning of surfaces. Small diameter brushes are especially designed for use on portable air and electric tools. Applications include deburring, blending, removal of rust, cleaning. End brushes are great for cylinder heads, pistons and valve ports, rubber and plastic flash removal, removal of rust, paint scale, tool polishing, and weld cleaning.







1423-2104



1423-2105

Model	Wheel Diameter	Туре	Wire Size	Max. RPM	
Circular Type	1/4" Shank	Carbon Steel	Wire		
1423-2100	1.5"	Coarse	.014"	4,500	
1423-2101	2"	Coarse	.014"	4,500	
1423-2102	3"	Coarse	.014"	4,500	
1423-2103	3"	Fine	.008"	4,500	
Crimp Type	1/4" Shank	Carbon Steel	Carbon Steel Wire		
1423-2104	3/4"	Coarse	.014"	4,500	
1423-2117	1"	Coarse	.014"	4,500	
Knot Type	1/4" Shank	Carbon Steel Wire			
1423-2105	3/4"	_	.020"	20,000	
1423-2118	1.5"	-	.020"	20,000	

Safety First - Always Grind Safely

Warning! Failure to Observe Safety Procedures May Result in Serious Injury:

Complies with Safety Standards of the Industrial Division of the American Brush Manufactures Association and the American National Standards Institute ANSI B165.1-1985 "Safety Requirements for the Design, Care and Use of Power Driven Brushing Tools".

Always Wear Protective Equipment:

Impact resistant Safety Glasses or Goggles, Full Face Shield, Safety shoes, Arm Guards, Leather Gloves, Apron and other appropriate protective clothing must be worn by all operators and other employees working in the area of power brush operations. Always wear a respirator to avoid inhalation of dust particles.

Machine Guards Must Be Used:

Power brushes should be used only on machines that are equipped with Safety Guards, and they must be in place at all times.

Check Specifications On Mounting Brushes:

Check appropriate RPM before mounting any brush on a power tool. Arbor hole and spindle diameter should be a free fit. Spindle length should be sufficient to accept a full-nut mounting. Direction of spindle nut thread should be opposite to the direction of the spindle rotation so that the nut will tighten as the spindle revolves.

Always Inspect Before Use:

Carefully check all brushes in the original carton. Do Not Use if they are rusty or damaged. Brushes should be stored in the original cartons and should not be exposed to high humidity or other detrimental environmental conditions.

Always Observe Speed Limitations:

Observe all speed restrictions indicated on the brushes, containers, labels, or printed in pertinent literature. For reasons of safety, the "Max. RPM" Must Not be exceeded under any circumstances.



Power Brushes: Wire Cup Type

Firepower wire cup brushes are designed for use on portable power tools. Made with high quality tempered wire, Firepower brushes provide fast cutting action for removal of light encrustation of scale, rust, paint or weld splatter. The relative high flexibility of fire power wire cup brushes allows cleaning on irregular surfaces as well as flat surfaces.

Cup Brushes with 1/4" Stem: Small diameter cup brushes are designed for use in restricted or hard to reach areas. They are excellent for carbon cleaning, polishing, removal of scale, slag, rust and paint.

Cup Brushes Crimped Wire: Heavy-duty cup brushes with arbor adapters and threads to fit most grinders.

Cup Brushes Stainless Steel Knotted Wire: Heavy-duty cup brushes with arbor adapters and threads for most grinders. Stainless steel wire brushes are used to reduce discoloration and corrosion on stainless and aluminum alloys. Stainless steel wire brushes are highly corrosion resistant and should be used where contamination or after rust is a problem.

Model	Cup Diameter	Wire Size	Max. RPM
Crimp Type:	Carbon Steel Wire, 1	1/4" Shank	
1423-2106	1.5"	.014"	4,500
1423-2107	2.5"	.014"	4,500
1423-2108	2.5"	.008" (Fine)	4,500
Crimp Type:	Carbon Steel Wire, 5	5/8" - 11 NC Threaded	Arbor
1423-2109	3"	.014"	12,500
1423-3158	4"	.014"	8,500
Knot Type: C	Carbon Steel Wire, 3/	8" - 24 NF Threaded	Arbor
1423-3159	3"	.020"	12,500
Knot Type: C	Carbon Steel Wire, 5/	/8" - 11 NC Threaded A	Arbor
1423-2110	3"	.020"	12,500
1423-2115	4"	.020"	8,500
1423-2116	6"	.020"	6,500



1423-2106





1423-3159



1423-2110



Wire Wheel Brushes: Crimped and Knot Style

Firepower knot-style wire wheel brushes are designed for tough jobs. Each individual knot contains an equal number of top quality high carbon tempered wires, which gives the wheel an exact balance and long-life. Firepower brushes can be furnished in either standard twist in carbon and stainless steel. Firepower brushes are well-suited for use in the welding and fabricating industries. They are used for surface preparation prior to welding and brazing and for removing weld scale and spatter after the welding operation.







1423-2121

1423-2111

1423-2113

Model	Wheel Diameter / Width	Wire Size	Arbor Hole	Maximum RPM
Crimped Type:	Carbon Steel Wire			
1423-2327	4" dia. x 1/2" wide	.014"	5/8"-11 NC	8,000
1423-2121	6" dia. x 1/2" wide	.014""	5/8"-1/2"	6,000
1423-2122	6" dia. x 1" wide	.014"	5/8"-1/2"	6,000
1423-2123	8" dia. x 1.25" wide	.014"	5/8"-1/2"	4,500
Stringer Bead (Carbon and Stainless	Steel Wire		
1423-2111	4" dia.	.020"	5/8"-11 NC	12,500
Standard Twist: Carbon and Stainless Steel Wire				
1423-2113	4" dia.	.020"	5/8"-11 NC	12,500
1423-2120	6" dia.	.020"	5/8"-1/2"	9,000

Arbor Reducing Adaptors:

For both cup and wheel brushes - the fixed 5/8"-11 arbor hole of each brush can be adapted to M10 x 1.25, M10 x 1.50 and 3/8-24 NF by using arbor reducing adapter.

1423-2124 Arbor Reducing Adaptor, 5/8"-11 to M10 x 1.25 1423-2125 Arbor Reducing Adaptor, 5/8"-11 to M10 x 1.5

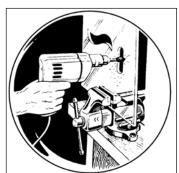


Steel Rotary Files

- Rotary files offer perfect solutions for the welding jobs: Trimming welds, grinding smooth fillets & preparation for welds
- Repairs can be easily done because of a variety of shapes and sizes available
- All rotary files have a standard shank of 1/4" (6mm)
- Note: use lower speeds when cutting harder ferrous materials and higher speeds for softer non-ferrous materials

Model	Size	Shape
1423-2224	1/2" x 7/8"	Cylindrical
1423-2226	1/2" x 1/2"	Ball







Steel Rotary Rasps

Model	Size	Shape
1423-3177	1/2" x 7/8"	Cylindrical

Caution! - Rotary files are for use on electrical power drills only. They are not recommended for use on pneumatic or hydraulic tools.





Abrasive

Specification Example: A-36-S-B-F

Abrasiv	e Grit	Grade	Bond Type	e Reinforcement
A	36	S	В	F

Abrasive:	Grits	Grades	Bond Types	Reinforcement
A Alumainuma Outida	Coarse:	Soft:	B = Resinoid	1 FG = Inter-woven
A = Aluminum Oxide	#16-24	H, I, J, K	V = Vitrified	2 FG = Double Reinforced
C = Silicon Carbide	Medium:	Medium:		
	#30-60	L, M, N, O, P		
	Fine:	Hard:		
	#80-220	Q, R, S, T		

Safety First - Always Grind Safely

Safety: Always DO the following:

- 1. Always handle and store abrasives in a careful manner.
- Always visually inspect all abrasives before mounting for possible damage in transit, storage, or prior use.
- **3. Always** "Ring Test" the wheel by tapping gently with a light metallic implement such as the handle of a screwdriver for light wheels, or Wooden or Plastic Mallet for heavier wheels. An undamaged wheel will give a clear tone.
- 4. Always make sure the operating speed established for the equipment does not exceed the wheel speed.
- Always check mounting flanges for equal and correct diameter.
- Always use mounting blotters when supplied with abrasives.
- Always keep work rest properly adjusted within 1/8" (3mm) of wheel face.
- **8. Always** direct grinding sparks downward and away from the face and body.
- **9. Always** wear protective equipment such as, impact resistant safety glasses or goggles, full face shield, safety shoes, arm guards, leather gloves and apron must be used for operator protection for all grinding operations. Always wear a respirator to avoid inhalation of dust particles.
- Always use a safety guard covering at least one-half of the wheel diameter.
- 11. Always allow newly mounted wheels to run at operating speed, with the guard in place, for at least one minute before starting to grind.
- **12. Always** observe all safety recommendations supplied by the Equipment Manufacturer.

DO NOT attempt the following:

- 1. Do Not use a wheel that has been dropped.
- 2. Do Not use wheels that have been soaked in water
- Do Not use wheels without guards for grinding or cutoff work.
- 4. Do Not force a wheel onto the spindle or alter the hole of size the wheel.
- **5. Do Not** use a wheel that fits the arbor too loosely.
- Do Not exceed maximum operation speed established for the wheel.
- 7. Do Not use dirty, nicked, warped or sprung mounting flanges.
- 8. Do Not tighten the mounting nut excessively.
- **9. Do Not** grind on the side of the wheel unless the wheel is specifically designed for that purpose.
- 10. Do Not start machine unless the machine guard is in place.
- 11. Do Not jam work into the wheel. Let the wheel do the work.
- 12. Do Not apply excessive pressure.
- **13. Do Not** stand directly in front of a grinding wheel whenever a grinder is started.
- 14. Do Not grind near flammable material.
- **15. Do Not** grind or cut material for which the wheel is not designed.
- **16. Do Not** flat grind. Minimum grinding angle is 15°.
- **17. Do Not** use relieved or recessed flanges with threaded hole cup wheels, cone or plugs.
- 18. Never use a wheel or a disc that has been dropped, chipped, mishandled or appears defective.



Depressed Center Grinding Wheels, Type 27

Firepower depressed center wheels are fully reinforced with resin bonded aluminum oxide to ensure safety at high speed and to increase bonding and impact strength. Designed for use on air or electric powered right angle or vertical shaft grinders. Available with or without hubs.

Model	Size	Max. RPM	Grade				
Without Hubs	Without Hubs:						
1423-3151	4" x 1/8" x 5/8"	13,700	A36S				
1423-2186	4" x 1/8" x 5/8" (5 pc./Pk)	13,700	A36S				
1423-3152	4" x 1/4" x 5/8"	13,700	A24R				
1423-2187	4" x 1/4" x 5/8" (5 pc./Pk)	13,700	A24R				
1423-3186	4.5" x .045" x 7/8"	13,300	A36S				
1423-3199	4.5" x 1/8" x 7/8"	13,300	A36S				
1423-3153	4.5" x 1/4" x 7/8"	13,300	A36S				
1423-2188	4.5" x 1/4" x 7/8" (5 pc./Pk)	13,300	A24R				
1423-2189	5" x 1/4" x 7/8"	12,000	A24R				
1423-2191	7" x 1/4" x 7/8"	8,500	A24R				
With Hubs:							
1423-3201	4.5" x 1/8" x 5/8"-11 NC	13,300	A24R				
1423-2232	4.5" x 1/4" x 5/8"-11 NC	13,300	A24R				
1423-3203	7" x 1/8" x 5/8"-11 NC	8,500	A24S				
1423-2190	7" x 1/4" x 5/8"-11 NC	8,500	A24S				
1423-2192	9" x 1/4" x 5/8"-11 NC	6,500	A24S				





Techniques/Tips for proper Firepower Grinding Wheels:

- 1. Use this method to achieve the desired aggressiveness of stock removal and quality finish - for fast material removal increase the grinding angle between the wheel and the workpiece. For blending and finishing decrease the grinding angle and apply light pressure in a fluid motion.
- For maximum efficiency, Type 27 Depressed Center Wheels should be used with a approach angle of 30°-35° to the workpiece.
- 3. Material being cut or ground should always be clamped or securely positioned, especially in cutting-off operations.
- 4. Proper machine speed is essential for maximum efficiency. Low speed causes "Jumping" of the disc, and can cause the circumference to wear unevenly.
- 5. Only flat cut-off wheels can be brushed, not depressed center wheels. Only 7/8" arbors can be made to 5/8"-11.



Cut-Off Abrasive Wheels, Type 1 (For Metal)

Firepower Double Reinforced Cut-Off Wheels are designed for heavy duty cut-off jobs using circular saws, chop-saws and straight grinding machines. They ensure optimum effectiveness for dry applications on a broad range of ferrous and non-ferrous metals, soft ceramics, masonry materials, reinforced plastic and fiber glass. Most Firepower cut-off wheels are double reinforced with two layers of fiber glass.

Model	Size	Max. RPM	Grade			
Type 1, Abrasi	Type 1, Abrasive Cut-Off Wheels:					
1423-3149	3" x 1/32" x 3/8"	25,000	A60T2FG			
1423-3181	3" x 1/32" x 3/8" (5 pc./Pk)	25,000	A60T2FG			
1423-3142	3" x 1/16" x 1/4"	25,000	A46T2FG			
1423-3143	3" x 1/16" x 3/8"	25,000	A46T2FG			
1423-3155	3" x 1/16" x 3/8" (5 pc./Pk)	25,000	A46T2FG			
1423-2178	3" x 1/16" x 3/8" (10 pc./Pk)	25,000	A46T2FG			
1423-3208	3" x 1/8" x 1/4"	25,000	A46T2FG			
1423-3144	3" x 1/8" x 3/8"	25,000	A46T2FG			
1423-2180	3" x 1/8" x 3/8" (5 pc./Pk)	25,000	A46T2FG			
1423-3150	4" x 1/32" x 3/8"	18,000	A60T2FG			
1423-3182	4" x 1/32" x 3/8" (5 pc./Pk)	18,000	A60T2FG			
1423-3145	4" x 1/16" x 3/8"	18,000	A46T2FG			
1423-3147	4" x 1/16" x 5/8"	18,000	A46T2FG			
1423-3157	4" x 1/16" x 5/8" (5 pc./Pk)	18,000	A46T2FG			
1423-3146	4" x 1/8" x 3/8"	18,000	A46T2FG			
1423-3148	4.5" x 1/16" x 7/8"	13,300	A46T2FG			
1423-3184	4.5" x 1/16" x 7/8" (5 pc./Pk)	13,300	A46T2FG			
1423-3185	4.5" x 1/8" x 7/8"	13,300	A46T2FG			
1423-3188	6" x .045" x 7/8"	10,200	A60T2FG			
1423-3211	6" x 1/16" x 5/8"	10,200	A60T2FG			



Use Tips for Firepower Cut-Off Wheels:

- 1. When using cut-off wheels, a soft pressure should be used for initial contact with the workpiece cutting should be done with even constant pressure.
- 2. For stationary cut-off machinery, it is important to have good stability and steadiness to prevent vibration. Also, the motor should be powerful enough to keep the cutting time as short as possible to prevent burning or discoloring the material
- 3. Material being cut or ground should always be clamped or securely positioned, especially in cutting-off operations.
- 4. Proper machine speed is essential for maximum efficiency. Low speed causes "Jumping" of the disc, and can cause the circumference to wear unevenly.
- 5. Flat cut-off wheels can be brushed, if required.



Cut-Off and Chop-Saw Abrasive Wheels, Type 1 (for metal)

- · Single reinforced cut-off wheels are recommended for stationary Chop-Saws only
- 7" (175mm) diameter wheels are equipped with Diamond Center hole for easymounting on portable circular saws

Model	Size	Max. RPM	Grade
Large - Type 1	, Abrasive Cut-Off Wheels:		
1423-2213	7" x 1/8" x 5/8" Diamond Hole	8,500	A36S 2FG
For Stationary	Chop-Saws Only:		
1423-2305	10" x 1/8" x 5/8"	6,100	A36S 2FG
1423-3189	10" x 3/32" x 1"	6,100	A46S 1FG
1423-2197	12" x 3/32" x 1"	5,100	A46S 1FG
1423-2198	14" x 3/32" x 1"	4,400	A46S 1FG
For Portable H	ligh Speed Chop-Saws:		
1423-3191	12" x 5/32" x 1"	6,300	A36S 2.5FG
1423-3193	14" x 5/32" x 1"	5,400	A36S 2.5FG



Firepower Cut-Off Wheel Safety and Cutting Procedures:

- 1. Cut-off wheels should never be stored on edges. They should be laid on a solid flat surface and away from excessive heat to prevent warpage.
- 2. Machines must have adequate power transmission and capacity, spindle speeds and proper guarding of the wheel. It is best to have extra power to insure good cutting efficiency. Check the speed of the machine spindle against the maximum speed specified for the wheel by the manufacturer. The maximum specified speed for the wheel should never be exceeded.
- 3. Flanges should be clean, straight and of the same diameter, so the wheel can turn true. For wheel diameters above 10" (250mm) it is highly recommended that the flange be a least 1/3 the diameter of the wheel.
- 4. The bore size of the wheel is so constructed that the wheel should fit freely on the machine spindle without any slack. Never attempt to force a wheel on the spindle! Always use blotters, when supplied with the wheel. Be sure the flanges are tightened securely but not too tightly to avoid springing the flanges and change the pressure area.

- 5. Be sure work-piece is securely held down, including both sides of the cut, if practical. Cut-off wheels withstand a great deal of radial stress but not any side stress. Even reinforced wheels are not completely unbreakable. Side pressure must be avoided to insure straight cuts and avoid possible wheel breakage. The wheel must be brought into contact with the work without "Bumping" or impact. The wheel should cut freely without forcing and the speed of the wheel should not be reduced by the cutting operation.
- 6. Abrasive cutting generates a great deal of localized heat, which causes rapid expansion of the piece being cut. Wheels operated at speeds significantly below efficient speed or if fed through the cut to slowly will generate excessive heat. Result: rapid wheel wear, fraying around the edge of reinforced wheels and wheel breakage. Always use at the "efficient speed" as specified for the wheel by the manufacturer.



Mandrel Set

- · Made of high strength alloy steel
- Ideal for small diameter cut-off wheels with a thickness of 1/32" to 1/4"



Model No.	Size
1423-2185	For 1/4" & 3/8" Arbors, with 1/4" Shank

Mounting Points

- Offer maximum performance for grinding of ferrous and non-ferrous metals. For use with horizontal or straight shaft, die and pencil grinders on jobs where larger cones and plugs won't fit
- Excellent for medium to heavy duty applications in metal fabrication, foundries, steel mills. Used for grinding ferrous and non-ferrous metals
- Ideal for rapid stock removal on high alloy steel, castings and special steel

	Type &	Size	
Model	Shape	(Dia. x Length x Shank)	Max. RPM
1423-2202	A11	7/8" x 2.75" x 1/4"	19,000







Bench Grinding Wheels, Type 1

- Wheels are individually precision balanced, trued and faced for smooth operation
- · Each wheel is individually boxed so they stay clean and undamaged until use
- Designed for versatile off-hand grinding in deburring barstock after cutting and touching up, reconditioning and sharpening tools where precision grinding is not required
- Grinding is done on the wheel periphery only
- Aluminum oxide wheel grinds metal of high tensile strength, like steel and steel alloy

Model	Size	Grit
1423-2311	6" x 3/4"	36
1423-2310	6" x 3/4"	60
1423-2312	6" x 3/4"	80





Safety First - Always Grind Safely!

Always ensure grinding wheels and machines are in good working condition. Damaged or improperly used grinding wheels are dangerous. Machine guards are for protection - use them. Wear adequate personal protection. All Firepower abrasives are manufactured under rigid quality conditions to ensure product strength and safety. However, approved guards and protective equipment, such as, impact resistant safety glasses, full face shield, safety shoes, arm guards, leather gloves and apron must be used for operator protection for all grinding operations. always wear a respirator to avoid inhalation of dust particles. For information on product safety, please ask us for ANSI B7.1 "Safety Requirements for the use, Care and Protection of Abrasive Wheels".



Flap Discs Zirconia, Type 29

Firepower flap discs durability over the conventional fibre disc results in reduction of both labor and material costs. They are designed to wear away evenly and present a constantly fresh working surface.

- Cut and finish at the same time with consistent finish for coarse and intermediate grinding and machining of welds, deburring, rust removal, snagging, removal of paint, etc. This means fewer change-overs
- Suitable for almost all materials: ferrous and non-ferrous metals, wood, leather, glass, marble and plastics
- No loading-up, as new sharp abrasive particles are constantly exposed
- No backing pad required comes with fiberglass backing plate with higher RPM rating than resin fiber discs

1423-3162 CAUTION Abrasive users and others in area must

Grit

ZA 36

ZA 60

ZA 80

wear goggles or face shields over

safety glasses

Model

Recommendation:

 We recommend using the following grit sizes to attain a maximum stock removal rate

Grit 36*: For all alloyed and low-alloyed steels

Grits 60 & 80*: For high alloyed steel, stainless steel, high-temperature and heat treatable steel and high tensile, non-ferrous metals

- * A coarser grit offers the advantage of a higher stock removal rate and service life
- Firepower flap discs have the ideal operating angle of 10°. This allows for maximum use of the laminates and guarantees optimum stock removal produced by a continuously free cutting abrasive.
- Excessive pressure leads to a higher wheel-wear, without increasing performance

4.5" x 5/8"-11 NC (with Hub): Max RPM;13,300

4.5" x 7/8" (without Hub):

Max RPM: 13,300

1423-3162 1423-3163

1423-3164

1423-2220 ZA 36 1423-2221 ZA 60

Safety First - Always Grind Safely!

To avoid injury always wear impact-resistant protective glasses, full face shield, safety shoes, arm guards, leather gloves and apron for all grinding operations.

For Abrasive Disc Grinding:

- 1. Never use a larger diameter disc than specified by manufacturer
- 2. Never exceed maximum RPM
- 3. Check for concentricity
- 4. Always check for snug fit and full-thread contact
- 5. Always use grinders safety pad
- 6. Always check spindle for wobble
- 7. Always check disc retainer nut for thread wear



Resin Fiber Sanding Disks and Hand Pads

Firepower resin fibre discs have the best combination of the highest quality aluminum oxicide grains and heavy-duty vulcanized fibre-cloth backing bonded with strong, heat resistant resin

- · Excellent for removing rust, oxides and surface imperfections
- Maximum performance on portable right angle grinders
- Firepower resin fibre discs should be mounted on a rubber backing pad, for optimum performance

Model	Grit		
5" x 7/8" (3 Pc./Pack):			
Max RPM: 11,0	000		
1423-2164	A.C 24		
1423-2165	A.C 36		
1423-2166	A.C 50		

7" x 7/8" (3 Pc./Pack): Max RPM: 7,600

1423-2171	A.C 24
1423-2172	A.C 36
1423-2173	A.C 50

Safety First - Always Grind Safely!

To avoid injury always wear complete body protection at all times: Impact-resistant protective glasses, full face shield, safety shield, safety shoes, arm guards, leather gloves and apron for all grinding operations. Always wear a respirator to avoid inhalation of dust particles. Persons entering an area where grinding is taking place, must always wear adequate and approved face and body protection.

For Abrasive Disc Grinding:

- 1. Never grind without a proper back-up pad
- 2. Never use larger diameter disc than specified by the manufacturer
- 3. Never use back pad without first inspecting it for signs of irregularities such as fractures, excessive wear, nicks, cuts at the edges or the centre hole.
- 4. Always check the pad for concentricity. Always check the grinder spindle for wobble. Always check the disc retainer nut for thread wear. Install the pad on the tool securely. Check for snug fit and three thread contact.
- 5. Direct grinding sparks downward and away from the face and body. Do Not Grind near any flammable material.
- 6. Never use another grinding disc as a back-up pad.
- 7. Never exceed maximum RPM.
- 8. Always use the grinders safety pad.
- 9. Operate grinder with disc and pad inclined approximately 5°-15° from the work surface. Grind depressions, moulding, lips and heavy welds with the grinder moving away from the work area and not into it. Avoid grinding near the edge, corner or projections that can snag the edge of the pad or disc.
- 10. Always observe all safety recommendations supplied by the equipment manufacturer.

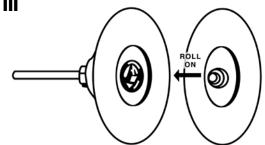


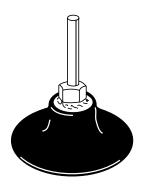
Quick Change and Surface Conditioning Discs, Type III

- Provide low vibration, less tool down time, and longer disc life
- Designed for quick disc and grit changes
- These time saving discs are quickly and firmly mounted on a special reusable 1/4" mandrel
- Surface conditioning discs provide superior performance for: Scratch removal, Removing flash, rust and oxidation, light deburring, blending welds, blending and conditioning metal surfaces and removing heat discoloration
- Maximum RPM: 5,000

Model	Grit/Color	Туре	Pcs./Pk.
1423-2140	Brown	Coarse	10
1423-2141	Maroon	Medium	10
Surface Condition Discs, 3"			

1423-2143 3" x 1/4" Shank









Mounted Flap Wheels

Firepower flap wheels are constructed of hundreds of resin bonded cloth abrasive sheets firmly attached to a balanced core. During use, each flexible sheet adapts quickly to the contours of the workpiece - continuously exposing fresh, sharp grit for extended product life. The controllable aggressiveness, working speed, and low cost of the wheels make them superior to wire brush, grit-impregnated plastic, fibrous and setup wheels in a wide range of applications.

Model Mounted Flap	Wheel Dimensions Wheels	Grit	Max. RPM
1423-2160	1" x 1" x 1/4"	60	25,000
1423-2161	1" x 1" x 1/4"	80	25,000
1423-2157	1.5" x 1/2" x 1/4"	60	25,000
1423-2158	1.5" x 1/2" x 1/4"	80	25,000
1423-2254	1.5" x 1/2" x 1/4" (5 pc./Pack)	80	25,000
1423-2255	1.5" x 1/2" x 1/4" (5 pc./Pack)	120	25,000
1423-2151	3" x 1" x 1/4"	60	18,000
1423-2152	3" x 1" x 1/4"	80	18,000



1423-2152

Tips for Firepower Abrasive Flap Wheels:

- 1. Make sure flap wheel is run in correct direction of rotation. For automatic in-feeding of workpiece, the direction of flap wheel rotation should be contrary to the feed direction.
- 2. For a given finish, choose a grit one or two sizes coarser compared to abrasive belts.
- 3. Coarse grit sizes used at high speeds work finer. Fine grit sizes used at lower speeds work coarser.
- 4. Grinding oil or grease may be used for improved finish and the flap wheel life.
- 5. Use light pressure at low speeds, added pressure at high speeds. Do Not use excessive pressure or allow the flaps to bend back to far. If more stock removal is necessary, choose a coarser grit.
- Abrasive flap wheels can be shaped to fit contours and other configurations by using a file, abrasive stone, or other cutting tool to cut the mop face. Always use proper safety equipment.
- 7. Make sure that mounting plates are of the proper size and are correctly fitted when used. Never over tighten fastening nuts or hub damage may result. Always use proper machine guards.



1423-2158



1423-2160



World Class Service

Thermadyne prides itself not only on premier products, but on world class customer service as well. Should you have any questions on our products, please call **800-858-4232**. Dedicated Thermadyne Specialty Markets Customer Care associates are available 5 days a week (M-F) from 8 AM to 5 PM Central Time. General information including a directory of service centers and product literature can be accessed 24 hours a day on our website, **www.thermadyne.com**

Duty Cycle Explanation

The duty rating defines how long the machine can be used before work must be stopped, in order to let the machine cool down. Duty cycle ratings are expressed as a percentage of a ten-minute period. It represents the maximum welding and cutting time allowed at the specified amperage setting. The remaining balance of the ten-minute period is required for cooling down the machine. For example, if the machine has a 40% duty cycle at 150 amps it can weld up to 4 minutes and then needs to cool off for the remaining 6 minutes. If a machine is operated below its rated output, the duty cycle typically increases.

Welding Tips

- Keep the torch handle at a 45° angle with respect to the metal. Maintain the nozzle about 1/4" (0.6mm) from the surface.
- Move the torch handle with prudence and steadiness.
- Avoid MIG welding in areas with too much draft. Too much draft blows away
 the shielding gas from the weld pool and may cause porosity in the weld.
- Keep the wire and its cover clean. DO NOT use rusted wire.
- Avoid sharp bends and kinks on the MIG gun cable.
- If possible, clean the wire liner with compressed air when replacing the wire spool.
- Periodically, remove the dust using low pressure air or nitrogen (2-3 Bar/30-45 PSI) from the inside of the power source, to assure adequate heat dissipation from power source during operation.



STATEMENT OF WARRANTY

(as of October 1, 2011)

LIMITED WARRANTY: THERMADYNE* warrants that its products will be free of defects in workmanship or material. Should any failure to conform to this warranty appear within the time period applicable to the THERMADYNE products as stated below, THERMADYNE shall, upon notification thereof and substantiation that the product has been stored, installed, operated, and maintained in accordance with THERMADYNE"s specifications, instructions, recommendations and recognized standard industry practice, and not subject to misuse, repair, neglect, alteration, or accident, correct such defects by suitable repair or replacement, at THERMADYNE's sole option, of any components or parts of the product determined by THERMADYNE to be defective.

THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

LIMITATION OF LIABILITY: THERMADYNE shall not under any circumstances be liable for special or consequential damages, such as, but not limited to, damage or loss of purchased or replacement goods, or claims of customers of distributor (hereinafter "Purchaser") for service interruption.

The remedies of the Purchaser set forth herein are exclusive and the liability of THERMADYNE with respect to any contract, or anything done in connection therewith such as the performance or breach thereof, or from the manufacture, sale, delivery, resale, or use of any goods covered by or furnished by THERMADYNE whether arising out of contract, negligence, strict tort, or under any warranty, or otherwise, shall not, except as expressly provided herein, exceed the price of the goods upon which such liability is based.

THIS WARRANTY BECOMES INVALID IF REPLACEMENT PARTS OR ACCESSORIES ARE USED WHICH MAY IMPAIR THE SAFETY OR PERFORMANCE OF ANY THERMADYNE PRODUCT. THIS WARRANTY IS INVALID IF THE PRODUCT IS SOLD BY NON-AUTHORIZED PERSONS.

The warranty is effective for the time stated below beginning on the date that the authorized distributor delivers the products to the Purchaser. Notwithstanding the foregoing, in no event shall the warranty period extend more than the time stated plus 1 year from the date THERMADYNE° delivered the product to the authorized distributor.



1 YEAR PARTS AND LABOR UNLESS SPECIFIED

QRC-2000 Nozzle Cleaning Stations TC and TCV Water Coolers (No Labor) TSC-96 Smoke Collector (No Labor) ESG-1, EPG-CR1, CR2 Control Boxes for Spool & Pull Guns (No Labor) Professional Eliminator® Spool Guns (No Labor) Arcair® N6000 (No Labor)

180 DAYS PARTS / NO LABOR

Professional MIG Guns (i.e. PulseMaster® MIG Guns & PullMaster®, Spray Master*, Eliminator*, Supra*, Professional No. #, SEFC, etc)

90 DAYS PARTS AND LABOR UNLESS SPECIFIED

Robotic Deflection Mounts QRM-1 and QRM-2 Anti-Spatter Applicator

30 DAYS PARTS / NO LABOR

All other products including: WeldSkill® MIG and Spool Guns (No Labor) (from the date sold by authorized distributor to purchaser)





5 YEARS PARTS / NO LAROR

Victor® Slimlite Medical Victor Professional

3 YEARS PARTS / NO LABOR

TurboTorch⁶

2 YEARS PARTS / NO LABOR

CutSkill®, Oxygen Conservers, Victor VSP, HP&I Brass Regulators/Manifolds All other Victor® Medical product

1 YEARS PARTS / NO LABOR

FirePower⁶ Steel Cylinders, Cutting Machine Motors (i.e. VCM 200) HP&I Stainless Regulators/Manifolds Parts in Rental Applications (from the date sold by seller to authorized distributor)

90 DAYS PARTS / NO LABOR

HP&I Corrosive Gas Regulators/Manifolds

Contact your **STUDDY**, representative for warranty information on this product

IHERMAL DYNAMICS

4 YEARS PARTS AND LABOR

CUTMASTER® TRUE™

2 YEARS PARTS / 1 YEAR LABOR

DragGun° Plus, PAK° 200, PAK 45 AutoCut® and UltraCut®

1 YEAR PARTS AND LABOR UNLESS SPECIFIED

AirCut® 15, CutSkill Units, Water Recirculators Stand Off Controls, Remote Controls, other Consols 1Torch°, SureLok°, XT°-300 / XT-301 and Maximizer torches

180 DAYS PARTS AND LABOR UNLESS SPECIFIED

All other "Torch and Leads" Packages

90 DAYS PARTS / NO LABOR

Replacement Repair Parts



5 YEARS PARTS* / 3 YEARS LABOR

ArcMaster*, Excelarc*, Fabricator*, Fabstar*, PowerMaster* Portafeed^a. Ultrafeed^a. Ultima^a 150. WC 100B

- 5 years on the Original Main Power Transformer and Inductors not mounted on PCBoards
- * 3 years on Power Supply Components

2 YEARS PARTS AND LABOR UNLESS SPECIFIED

Auto-Darkening Welding Helmet (electronic Lens),

** 1 Month Harness Assy

Victor Regulator for Fabricator 181i (No labor)

1 YEARS PARTS AND LABOR UNLESS SPECIFIED

95 S. Water Recirculators All Plasma Welding consols (i.e WC-1 Controller, WT Timer, WF-100 Capstain Feeder, etc)

180 DAYS PARTS AND LABOR UNLESS SPECIFIED

Plasma Welding Torch and Leads Packages Gas Regulators "Supplied with power sources" (No Labor)

90 DAYS PARTS / NO LABOR

Remote Controls MIG and TIG Torches (Supplied with power sources) Replacement Repair Parts

30 DAYS PARTS / NO LABOR

MIG Torch for Fabricator 181i

5-2-1 YEARS PARTS / NO LABOR

FirePower® Welders

Thermadyne limited warranty shall not apply to: Consumable Parts for MIG, TIG, Plasma welding, Plasma cutting and Oxy fuel torches, 0-rings, fuses, filters or other parts that fail due normal wear.

- * Warranty repairs or replacement claims under this limited warranty must be submitted by an authorized THERMADYNE repair facility within thirty (30) days of the repair.
- * No employee, agent, or representative of THERMADYNE is authorized to change this warranty in any way or grant any other warranty, and THERMADYNE shall not be bound by any such attempt. Correction of non-conformities, in the manner and time provided herein, constitutes fulfillment of THERMADYNE's obligations to purchaser with respect to the product.
- * This warranty is void, and seller bears no liability hereunder, if purchaser used replacement parts or accessories which, in THERMADYNE's sole judgment, impaired the safety or performance of any THERMADYNE product. Purchaser's rights under this warranty are void if the product is sold to purchaser by unauthorized persons.



lotes	

```
U.S. Customer Care: ARCAIR® / STOODY® / THERMAL ARC® / THERMAL DYNAMICS® / TWECO® / VICTOR® 800-426-1888 / FAX 800-535-0557 | FIREPOWER® 800-858-4232 / FAX 800-535-0557 | TDC AUTOMATION 866-279-2628 / FAX 800-535-0557 | TURBOTORCH® 800-238-0282 / FAX 800-535-0557 | VICTOR MEDICAL 800-382-8187 / FAX 800-535-0557 | VICTOR SPECIALTY PRODUCTS 800-569-0547 / FAX 800-535-0557
```

Canada Customer Care: 905-827-4515 / FAX 800-588-1714 • International Customer Care: 940-381-1212 / FAX 940-483-8178

CIGWELD Customer Care: 1300-654-674 / FAX 613+ 9474-7391 • www.thermadyne.com



A Global Cutting & Welding Market Leader™

WORLD HEADQUARTERS: 16052 Swingley Ridge Road, Suite 300 • St. Louis, Missouri 63017 U.S.A.

THE AMERICAS

Denton, TX USA
U.S. Customer Care
Ph: (1) 800-426-1888
Fax: (1) 800-535-0557
International Customer Care
Ph: (1) 940-381-1212
Fax: (1) 940-483-8178

Miami, FL USA Sales Office, Latin America Ph: (1) 954-727-8371 Fax: (1) 954-727-8376

Oakville, Ontario, Canada Canada Customer Care Ph: (1) 905-827-4515 Fax: (1) 800-588-1714 EUROPE Chorley, United Kingdom Customer Care Ph: (44) 1257-261755 Fax: (44) 1257-224800

Milan, Italy Customer Care Ph: (39) 0236546801 Fax: (39) 0236546840 ASIA/PACIFIC
Cikarang, Indonesia
Customer Care
Ph: 62 21+ 8983-0011 / 0012
Fax: 62 21+ 893-6067

Fax: 62 21+ 893-6067

Osaka, Japan
Sales Office
Ph: 816-4809-8411
Fax: 816-4809-8412

Melbourne, Australia Australia Customer Care Ph: 1300-654-674 Fax: 613+ 9474-7391 International Ph: 613+ 9474-7508 Fax: 613+ 9474-7488

www.thermadyne.com

Rawang, Malaysia Customer Care Ph: 603+ 6092-298 Fax: 603+ 6092-108 Shanghai, China Sales Office Ph: 86-21-64072626 Fax: 86-21-64483032

> ingapore ales Office h: 65+ 6832-8066 ax: 65+ 6763-5812

> > Printed in U.S.A.

Form No. 83-2908 (10/31/11) © 2011 Thermadyne Industries, Inc.