



EX-TRAFLAME®

TORCH SUITABLE FOR OXY-FUEL CUTTING

THERMACUT® developed its own oxy-fuel cutting torch EX-TRAFLAME® in two versions which works with all kinds of fuel gases and brings you these benefits:

- **SPECIAL O-RINGS TO AVOID THE MIXING OF GASES**
- **QUICK-CHANGE SYSTEM WITH STAINLESS STEEL NUT**
- **CHANGEABLE INJECTOR**
- **SEPARATE PARTS (TORCH + VALVES)**

EX-TRAFLAME®

Uses standard HARRIS® consumables.

A-2100-A for acetylene

A-2100-PM for propane and natural gas

Torches A-2100-A and A-2100-PM are available with input fittings which are removable.

EX-TRAFLAME®PRO

Uses VADURA® and GRICUT® consumables with our unique design.

Greater cutting speed and lower preheating time.

A-1100-A for acetylene

A-1100-PM for propane and natural gas



Item	Description
1	Reductions (9/16 -18 UNF / 9/16 -18 UNF / 9/16 -18 UNF LH) - only for A2100-A/PM
2	Gases input (G 1/4" / G 3/8" / G 3/8"LH)
3	Fixing nut
4	Changeable injector (A - Acetylene, PM - Propane and natural gas)
5	Torch body
6	Torch head
7	Cutting tip
8	Heating nozzle
9	Consumables holder

With each EX-TRAFLEME® torch, THERMACUT® supply a separate convenient "Cut chart" which shows the mm. thickness, gas pressures, and consumptions for gases for that torch.

EX-TRAFLEME® A-2100-A

CUT CHART FOR REPLACEMENT PARTS SUITABLE FOR MODEL HARRIS® 6290-VAX

Work-piece thickness [mm]	Cutting nozzle [Ref. Nr.]	Cutting speed [mm/min.]	Cutting oxygen pressure [bar]	Minimum preheating oxygen pressure [bar]	Fuel gas pressure [bar]	Cutting oxygen consumption [m³/h]	Preheating oxygen consumption [m³/h]	Fuel gas consumption [m³/h]	Cutting kerf width [mm]
0-8	6290-VAX1 OEM	650	2.5-4	1.6	0.1-0.15	0.85-1.25	0.37	0.34	1.6
8-15	6290-VAX2	600	5	1.6	0.15	2.4	0.425	0.4	1.9
15-35	6290-VAX3	550	7	1.6	0.15	4	0.48	0.425	1.9
35-75	6290-VAX4	450	7	1.6	0.15	5	0.54	0.48	2.1
75-150	6290-VAX5	300	5	1.6	0.15	9	0.62	0.57	2.3
150-200	6290-VAX6	150	6.5	1.6	0.15	13.5	0.55	0.76	3.3

DESCRIPTION: Two-piece high speed cutting tip for cutting up to 200 mm.

GASES: Oxygen - acetylene.

SUITABLE FOR: Harris® 6290-VAX



EX-TRAFLEME® A-2100-PM

CUT CHART FOR REPLACEMENT PARTS SUITABLE FOR MODEL HARRIS® 6290-VVC

Work-piece thickness [mm]	Cutting nozzle [Ref. Nr.]	Cutting speed [mm/min.]	Cutting oxygen pressure [bar]	Minimum preheating oxygen pressure [bar]	Fuel gas pressure [bar]	Cutting oxygen consumption [m³/h]	Preheating oxygen consumption [m³/h]	Fuel gas consumption [m³/h]	Cutting kerf width [mm]
1-4	6290-VVC5/0 OEM	750-550	4	1.6	0.03-0.2	0.65	0.8	0.23	1.3
4-6	6290-VVC4/0 OEM	700-520	2.5	1.6	0.03-0.2	1.13	0.8	0.23	1.5
6-9	6290-VVC3/0	650-480	5	1.6	0.03-0.2	2.26	1	0.3	1.8
9-12.5	6290-VVC2/0	630-450	5	1.6	0.03-0.2	2.574	1	0.3	1.8
12.5-20	6290-VVC0	600-400	6	1.6	0.03-0.2	3.53	1	0.3	2.0
20-35	6290-VVC01/2	550-360	7	1.6	0.03-0.2	4	1	0.3	2.0
35-60	6290-VVC1	480-220	7	1.6	0.03-0.2	5.56	1	0.3	2.3
60-75	6290-VVC11/2	310-200	6.5	1.6	0.03-0.2	7.07	1	0.3	2.8
75-100	6290-VVC2	280-190	6.5	1.6	0.03-0.2	8	1.13	0.33	3.0
100-125	6290-VVC2	240-180	7	1.6	0.03-0.2	9	1.13	0.33	3.0
125-150	6290-VVC21/2	200-160	6.5	1.6	0.03-0.2	11.17	1.13	0.33	3.3
150-175	6290-VVC3	180-150	7	1.6	0.03-0.2	12	1.13	0.33	3.5
175-200	6290-VVC4	180-150	6.5	1.6	0.03-0.2	14.85	1.13	0.33	4.0
200-225	6290-VVC5	150-130	6	1.6	0.03-0.2	16.41	1.3	0.38	5.0
225-250	6290-VVC51/2	130-110	6	1.6	0.03-0.2	16.98	1.3	0.38	6.4

DESCRIPTION: Two-piece high speed cutting tip for cutting up to 250 mm.

GASES: Oxygen - propane, natural gas.

SUITABLE FOR: Harris® 6290-VVC



EX-TRAFLEME® PRO A-1100-A

CUT CHART FOR REPLACEMENT PARTS SUITABLE FOR MODEL MESSER® VADURA® 9215A

Work-piece thickness [mm]	Cutting nozzle [Ref. Nr.]	Heating nozzle [Ref. Nr.]	Cutting speed [mm/min.]	Torch height [mm]	Cutting oxygen pressure [bar]	Preheating oxygen pressure [bar]	Fuel gas pressure [bar]	Cutting oxygen consumption [m³/h]	Preheating oxygen consumption [m³/h]	Fuel gas consumption [m³/h]	Cutting kerf width [mm]
10	716.16563	716.16550	740	5-7	6,5	2,5	0,5	3,25	0,47	0,36	2,1
15	716.16563	716.16550	630	5-7	6,5	2,5	0,5	3,22	0,47	0,36	2,1
20	716.16563	716.16550	570	5-7	7	2,5	0,5	3,50	0,47	0,36	2,1
25	716.16563	716.16550	520	5-7	7,5	2,5	0,5	3,7	0,47	0,36	2,1
25	716.16564	716.16550	520	5-7	6,5	2,5	0,5	4,60	0,47	0,36	2,5
30	716.16564	716.16550	500	5-7	7,5	2,5	0,5	5,20	0,47	0,36	2,7
35	716.16564	716.16550	460	5-7	7,5	2,5	0,5	5,20	0,47	0,36	2,7
40	716.16564	716.16550	440	5-7	8	2,5	0,5	5,20	0,47	0,36	2,7
40	716.16565	716.16550	440	5-7	6,5	2,5	0,5	5,60	0,47	0,36	2,8
50	716.16565	716.16550	390	5-7	7	2,5	0,5	6	0,47	0,36	3
60	716.16565	716.16550	360	5-7	8,5	2,5	0,5	7,10	0,47	0,36	3
60	716.16566	716.16550	360	5-7	6,5	2,5	0,5	9,10	0,47	0,36	3
80	716.16566	716.16550	300	5-7	7,5	2,5	0,5	10,40	0,47	0,36	3
100	716.16566	716.16550	270	5-7	8	2,5	0,5	11	0,47	0,36	3
100	716.16567	716.16560	270	7-10	6,5	3,5	0,5	12,10	0,62	0,48	3,6
130	716.16567	716.16560	230	7-10	7	3,5	0,5	12,90	0,62	0,48	3,6
150	716.16567	716.16560	210	7-10	7	3,5	0,5	12,90	0,62	0,48	3,6
150	716.16568	716.16560	210	20	6,5	6,5	0,5	19,40	1,06	0,82	5
200	716.16568	716.16560	180	20	7	7	0,5	20,80	1,10	0,85	5
230	716.16568	716.16560	140	20	7,5	7,5	0,5	22,00	1,14	0,88	5
230	716.16569	716.16560	150	25	6,5	6,5	0,5	28,50	1,08	0,83	6
250	716.16569	716.16560	130	25	7	7	0,5	30,00	1,10	0,85	6
300	716.16569	716.16560	110	25	7,5	7,5	0,5	32,50	1,14	0,88	6

DESCRIPTION: High-speed "quick change" two-piece nozzles for machine cutting up to 300 mm.

GASES: Acetylene.

SUITABLE FOR: MS 932™ torch.



EX-TRAFLEME® PRO A-1100-PM

CUT CHART FOR REPLACEMENT PARTS SUITABLE FOR MODEL MESSER® GRICUT® 9230-PMYF

Work-piece thickness [mm]	Cutting nozzle [Ref. Nr.]	Heating nozzle [Ref. Nr.]	Cutting speed [mm/min.]	Torch height [mm]	Cutting oxygen pressure [bar]	Preheating oxygen pressure [bar]	Fuel gas pressure [bar]	Cutting oxygen consumption [m³/h]	Preheating oxygen consumption [m³/h]	Fuel gas consumption [m³/h]	Cutting kerf width [mm]
3	716.16551	716.16550	780	2-4	1,0	1,5	0,2	0,6	1,1	0,28	0,9
4	716.16551	716.16550	740	2-4	1,5	1,5	0,2	0,8	1,1	0,28	0,9
5	716.16551	716.16550	720	2-4	2,0	1,5	0,2	1,0	1,1	0,28	1,0
6	716.16551	716.16550	700	2-4	2,5	2,0	0,2	1,2	1,3	0,33	1,1
8	716.16551	716.16550	650	4-5	3,5	2,0	0,2	1,6	1,3	0,33	1,3
10	716.16551	716.16550	600	4-5	5,0	2,0	0,2	2,2	1,3	0,33	1,5
7	716.16552	716.16550	670	4-5	5,0	2,5	0,2	1,8	1,5	0,38	1,6
8	716.16552	716.16550	650	4-5	5,5	2,5	0,2	1,9	1,5	0,38	1,7
10	716.16552	716.16550	630	5-8	6,0	2,5	0,2	2,0	1,5	0,38	1,8
12	716.16552	716.16550	590	5-8	6,5	2,5	0,2	2,2	1,5	0,38	1,9
15	716.16552	716.16550	560	5-8	7,0	2,5	0,2	2,3	1,5	0,38	2,0
15	716.16553	716.16550	560	5-8	6,0	2,5	0,2	2,5	1,5	0,38	2,1
20	716.16553	716.16550	510	5-10	6,5	2,5	0,2	2,8	1,5	0,38	2,2
25	716.16553	716.16550	460	5-10	7,0	2,5	0,2	3,1	1,5	0,38	2,3
25	716.16554	716.16550	460	5-10	6,0	2,5	0,2	3,8	1,5	0,38	2,4
30	716.16554	716.16550	440	5-10	7,0	2,5	0,2	4,3	1,5	0,38	2,5
35	716.16554	716.16550	420	5-10	7,5	2,5	0,2	4,5	1,5	0,38	2,6
40	716.16554	716.16550	400	5-10	7,5	2,5	0,2	4,6	1,5	0,38	2,7
40	716.16555	716.16550	400	5-10	5,5	2,5	0,2	4,2	1,5	0,38	2,8
50	716.16555	716.16550	360	5-10	6,5	2,5	0,2	4,9	1,5	0,38	2,9
60	716.16555	716.16550	340	5-10	7,5	2,5	0,2	5,6	1,5	0,38	2,9
60	716.16556	716.16550	340	6-10	6,0	2,5	0,2	7,6	1,5	0,38	3,4
80	716.16556	716.16550	300	6-10	7,5	2,5	0,2	9,4	1,5	0,38	3,5
100	716.16556	716.16550	270	6-10	8,5	2,5	0,2	10,6	1,5	0,38	3,5

DESCRIPTION: Two-piece standard cutting tip for cutting up to 100 mm.

GASES: Oxygen - propane, natural gas, mixed gases.

SUITABLE FOR: MS 932™ torch.



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