



New model **980**

**WE MAKE THE
TOOLS THAT MAKE
A DIFFERENCE**



WELDING CUTTING BRAZING SOLDERING

The Harris Products Group - www.harrisproductsgroup.com

PROFESSIONAL PRODUCTS... SUPERIOR RESULTS



New model **980**

Features:

- ▶ Needle valves for accurate flame control
- ▶ Stainless steel cutting lever with „hold-on“ button
- ▶ „Ease-on_ cutting oxygen valve for smoother start
- ▶ Side valves at rear of torch as preferred by many users
- ▶ Three in line stainless steel tubes for strength and better visibility
- ▶ Metal handle halves, coated with tough black polyurethane for long life

980 EQUAL PRESSURE TIP MIX TORCHES (FOR ACETYLENE AND ALTERNATIVE FUELS)

90° Head		
Part no.	Weight (kg)	Length (mm)
980	1.12	480

- ▶ Cuts up to 200 mm
- ▶ Operates with acetylene or alternative fuel
- ▶ Tip mix principle
- ▶ Use with 6290 tips & 8290 tips

Acetylene Cutting Tips

Tip Mix Tips 8290 Oxy-Acetylene

PART NO.	PLATE THICKNESS (mm)	OXYGEN (bar)	ACETYLENE (bar)
8290-1	0 - 6	1.5	0.5
8290-2	6 - 12	2.0	0.5
8290-3	12 - 75	3.0	0.5
8290-4	75 - 150	3.0	1.0
8290-5	150 - 200	4.0	1.0
8290-6	200 - 250	4.5	1.0
8290-7	250 - 300	5.5	1.0

Alternative Fuels Cutting Tips

Two Piece Tip Mix Tips 8290-P Oxy-Propane, LPG & MAPP®

PART NO.	PLATE THICKNESS (mm)	OXYGEN (bar)	ACETYLENE (bar)
8290-P1	0 - 6	1.5	0.5
8290-P2	6 - 12	2.0	0.5
8290-P3	12 - 75	3.0	0.5
8290-P4	75 - 150	3.0	1.0
8290-P5	150 - 200	4.0	1.0
8290-P6	200 - 250	4.5	1.0
8290-P7	250 - 300	5.5	1.0

Acetylene Cutting Tips

General Preheat 6290 One Piece Oxy-Acetylene Tip Chart

PART NO.	PLATE THICKNESS (mm)	OXYGEN (bar)	ACETYLENE Equal Pressure (bar)	ACETYLENE Low Pressure (bar)
6290-000	0 - 5	1.0 - 2.0		
6290-00	5 - 10	1.0 - 2.0		
6290-0	10 - 15	1.5 - 2.5		
6290-1	15 - 25	2.0 - 3.5	0.3 - 0.8	0.015 - 0.2
6290-2	25 - 50	3.0 - 4.5		
6290-3	50 - 100	3.0 - 4.5		
6290-4	100 - 175	3.5 - 5.5		

Alternative Fuel Cutting Tips

General Preheat 6290-NX Oxy-Propane, Natural Gas Tip Chart

PART NO.	PLATE THICKNESS (mm)	OXYGEN (bar)	FUEL GAS Equal Pressure (bar)	FUEL GAS Low Pressure (bar)
6290-000NX	0 - 5	1.0 - 2.0		
6290-00NX	5 - 10	1.5 - 2.0		
6290-0NX	10 - 15	2.0 - 3.0		
6290-1NX	15 - 25	2.5 - 3.5		
6290-2NX	25 - 50	3.0 - 4.0	0.3 - 0.8	0.015 - 0.2
6290-3NX	50 - 75	3.0 - 4.5		
6290-4NX	75 - 150	3.5 - 5.5		
6290-5NX	150 - 200	4.5 - 5.5		
6290-6NX	200 - 300	5.0 - 6.5		

Heavy Preheat 6290-S One Piece Oxy-Acetylene Tip Chart

PART NO.	PLATE THICKNESS (mm)	OXYGEN (bar)	ACETYLENE Equal Pressure (bar)	ACETYLENE Low Pressure (bar)
6290-1S	15 - 25	2.0 - 3.5		
6290-2S	25 - 50	3.0 - 4.5		
6290-3S	50 - 100	3.0 - 4.5		
6290-4S	100 - 175	3.5 - 5.5	0.3 - 0.8	0.015 - 0.2
6290-5S	175 - 250	4.5 - 5.5		
6290-6S	250 - 300	5.0 - 6.5		

Heavy Preheat 6290-NFF Oxy-Propane, Natural Gas Tip Chart

PART NO.	PLATE THICKNESS (mm)	OXYGEN (bar)	FUEL GAS Equal Pressure (bar)	FUEL GAS Low Pressure (bar)
6290-1NFF	6 - 25	2.5 - 3.5		
6290-2NFF	25 - 50	3.0 - 4.0		
6290-3NFF	50 - 75	3.0 - 4.5		
6290-4NFF	75 - 150	3.5 - 5.5	0.3 - 0.8	0.015 - 0.2
6290-5NFF	150 - 200	4.5 - 5.5		
6290-6NFF	200 - 300	5.0 - 6.5		

Heavy Preheat 6290-AC Two Piece Oxy-Acetylene Tip Chart

PART NO.	PLATE THICKNESS (mm)	OXYGEN (bar)	ACETYLENE Equal Pressure (bar)	ACETYLENE Low Pressure (bar)
6290-00AC	5 - 10	1.0 - 2.0		
6290-0AC	10 - 15	1.5 - 2.5		
6290-1AC	15 - 25	2.0 - 3.5		
6290-2AC	25 - 50	3.0 - 4.5		
6290-3AC	50 - 100	3.0 - 4.5	0.3 - 0.8	0.015 - 0.2
6290-4AC	100 - 175	3.5 - 5.5		
6290-5AC	175 - 250	4.5 - 5.5		
6290-6AC	250 - 300			

6290-NXPM Oxy-MAPP® and Oxy-Propylene Tip Chart

PART NO.	PLATE THICKNESS (mm)	OXYGEN (bar)	FUEL GAS Equal Pressure (bar)	FUEL GAS Low Pressure (bar)
6290-00NXPM	0 - 5	1.0 - 2.0		
6290-00NXPM	5 - 10	1.5 - 2.0		
6290-0NXPM	10 - 15	2.0 - 3.0		
6290-1NXPM	15 - 25	2.5 - 3.5		
6290-2NXPM	25 - 50	3.0 - 4.0	0.3 - 0.8	0.015 - 0.2
6290-3NXPM	50 - 75	3.0 - 4.5		
6290-4NXPM	75 - 150	3.5 - 5.5		
6290-5NXPM	150 - 200	4.5 - 5.5		
6290-6NXPM	200 - 300	5.0 - 6.5		