

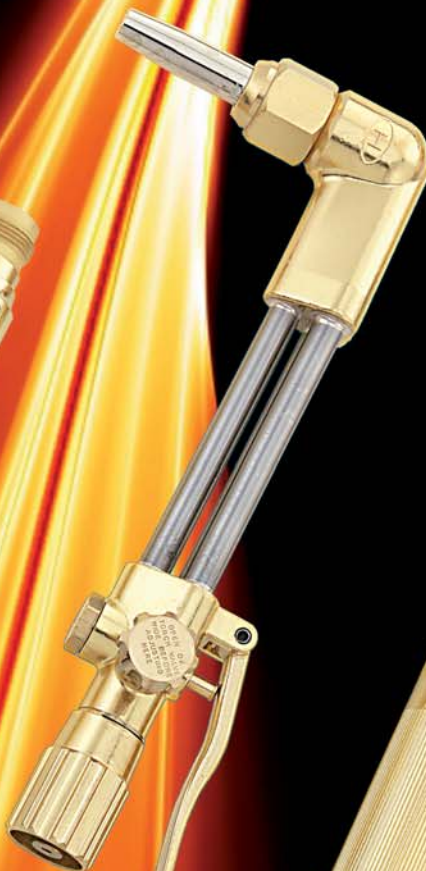
HARRIS®

PROFESSIONAL GAS APPARATUS

made to suit all different styles in the world



263
TORCH HANDLE



273
CUTTING
ATTACHMENT



242
HAND CUTTING
TORCH

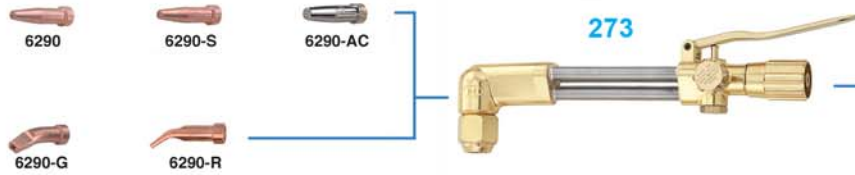
MANUFACTURED IN EUROPEAN UNION

OXY-ACETYLENE PROFESSIONAL EQUIPMENT

MODEL N°	DESCRIPTION	PART N°	WEIGHT (Kg)	LENGTH (mm)
263	Handle	1401311	0,500	220
273 *	Cutting Attachment	1300636	0,840	230

* Angled 70° head available (add "A" to model number)

CUTTING

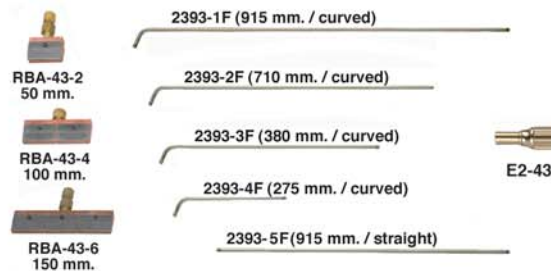


SPECIALTY APPLICATIONS

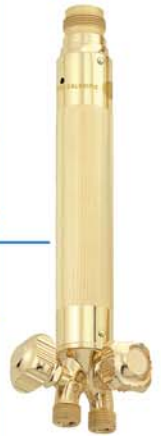
MULTIFLAME FLAME CLEANING MEDIUM PRESSURE

RBA-43 Flame cleaning tips
For 43-2 and 63-2 handles.

SIZE	LENGTH mm	PRESSURE		FLOW	
		OXYGEN (bar)	ACETYLENE (bar)	OXYGEN (lt/h)	ACETYLENE (lt/h)
2	50	0.4-0.7	0.4-0.7	800-1130	700-900
4	100	0.7-0.9	0.7-0.9	1550-1650	1400-1500
6	150	0.8-1.0	0.8-1.0	1780-1870	1400-1650



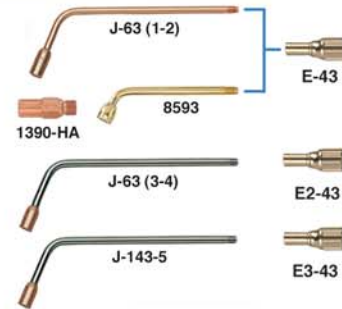
263



J-63/J-143-5 Multiflame heating tips
For 63-2, 43-2, 19-6 and 50-9 handles.

SIZE	PRESSURE		FLOW		HEAT OUTPUT Calories/hour
	OXYGEN (bar)	ACETYLENE (bar)	OXYGEN (lt/h)	ACETYLENE (lt/h)	
J-63-1	0.15-0.4	0.15-0.4	600-1100	600-1000	7.45-13 x10 ⁶
J-63-2	0.2-0.5	0.2-0.5	900-1550	850-1400	11.1-18.7 x10 ⁶
J-63-3	0.3-0.6	0.3-0.6	1550-2500	1400-2250	18.5-29.8 x10 ⁶
J-63-4	0.6-1.0	0.6-1.05	2500-4350	2250-3950	29.8-52 x10 ⁶
J-143-5	0.8-1.4	0.6-1.05	5000-9350	4500-8500	59.5-111.5 x10 ⁶
1390-HA	0.35	0.35	1100	1000	

MULTIFLAME HEATING MEDIUM PRESSURE



Welding Tips/Assemblies

L-43	23-A-90	1390	0090	FLOW (lt/h)	WELDING THICKNESS mm
-	-	00	-	25	-
0	0	0	-	45	0.2-0.5
1	1	1	1	65	0.5-1.0
3	3	3	3	160	1.0-2.0
5	5	5	5	350	2.0-4.0
6	6	6	6	500	4.0-6.0
8	8	8	8	1000	6.0-9.0
9	9	9	-	1500	9.0-14.0
10	10	10	-	2000	14.0-20.0
13	13	-	-	3000	20.0-30.0
15	15	-	-	4000	30.0-50.0

SINGLE FLAME WELDING MEDIUM PRESSURE

(min. 0,5 bar Oxygen / Acetylene)



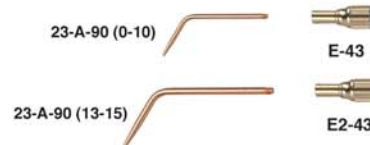
WELDING WITH FLEXIBLE TIP MEDIUM PRESSURE

(min. 0,5 bar Oxygen / Acetylene)



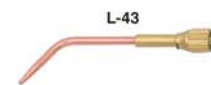
SINGLE FLAME WELDING MEDIUM PRESSURE

(min. 0,5 bar Oxygen Acetylene)



SINGLE FLAME WELDING UNIVERSAL PRESSURE

(2,5 bar Oxygen / min. 0,02 bar Acetylene)



6290 CUTTING TIPS for Acetylene

6290: One piece copper, normal preheat
6290-S: One piece copper, extra preheat
6290-AC: Two piece, extra preheat

SIZE	CUTTING THICKNESS mm	PRESSURE		
		OXYGEN (bar)	ACETYLENE (bar)	
000	-	0 - 5	1.0 - 2.0	
00	-	00AC	5 - 10	1.0 - 2.0
0	-	0AC	10 - 15	1.5 - 2.5
1	1S	1AC	15 - 25	2.0 - 3.5
2	2S	2AC	25 - 50	3.0 - 4.5
3	3S-	3AC	50 - 100	3.0 - 4.5
4	4S	4AC	100 - 175	3.5 - 5.5

0.3-0.8

6290 SPECIALTY TIPS for Acetylene

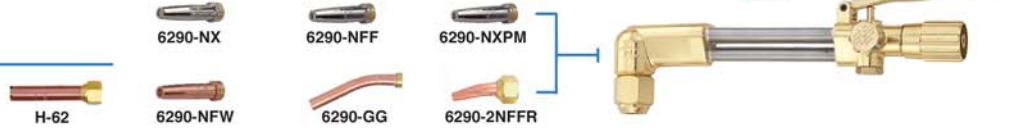
TIP	APPLICATION	PRESSURE	
		OXYGEN (bar)	ACETYLENE (bar)
1G	Gouging (3 mm x 6 mm)	2.5	0.3-0.8
2G	Gouging (5 mm x 10 mm)	3.5	
3G	Gouging (6 mm x 13 mm)	3.5	
R	Rivet cutting	3.0	

- Cutting capacity 150 mm
- Connection available to suit all different styles in the world
- Toughest design- triangular stainless steel tubes, solid forged brass head and lever
- Ease-on cutting oxygen control smoother starts
- Head mixing and equal pressure design for maximum operator safety
- Total versatility: weld, heat, cut, descale, gouge
- Spare parts and accessories readily available

OXY-PROPANE PROFESSIONAL EQUIPMENT

CUTTING

SPECIALTY APPLICATIONS



SINGLE FLAME BRAZING

BRAZING WITH FLEXIBLE TIP

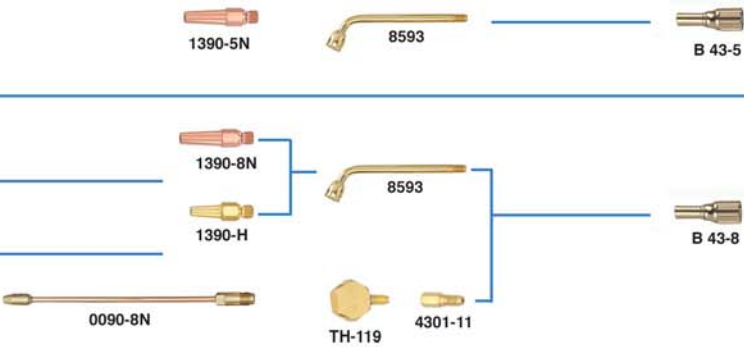


SINGLE FLAME BRAZING

SINGLE FLAME BRAZING

MULTIFLAME BRAZING

BRAZING WITH FLEXIBLE TIP

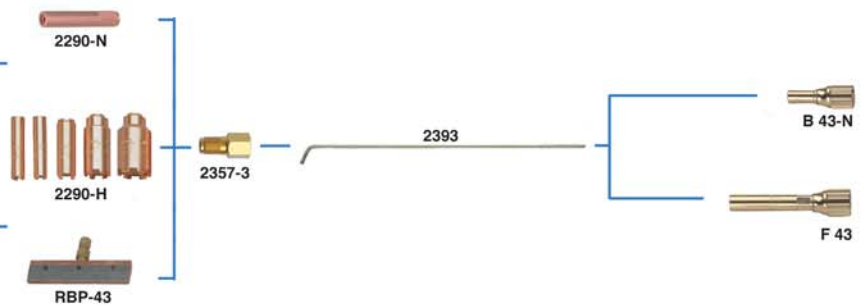


SINGLE FLAME BRAZING

SINGLE FLAME BRAZING/HEATING

MULTIFLAME HEATING (2290-3H largest size to be used with 63-2)

MULTIFLAME FLAME CLEANING



263



6290 CUTTING TIPS

for Propane, Nat. Gas, Mapp

6290-NX: Two piece, normal preheat

6290-NFF: Two piece, extra preheat

6290-NXPM: Two piece, extra preheat and specialty gas

SIZE	CUTTING THICKNESS mm	PRESSURE	
		OXYGEN (bar)	FUEL GAS (bar)
000-NX	0 - 5	1.0 - 2.0	0.3-0.8
00-NX	5 - 10	1.5 - 2.0	
0-NX	10 - 15	2.0 - 3.0	
1-NX	15 - 25	2.5 - 3.5	
2-NX	25 - 50	3.0 - 4.0	
3-NX	50 - 75	3.0 - 4.5	
4-NX	75 - 150	3.5 - 5.5	
000-NXPM	0 - 5	1.0 - 2.0	
00-NXPM	5 - 10	1.5 - 2.0	
0-NXPM	10 - 15	2.0 - 3.0	

6290 SPECIALTY TIPS

for Propane, Nat. Gas, Mapp

TIP	APPLICATION	PRESSURE	
		OXYGEN (bar)	FUEL GAS (bar)
1GG	Gouging (3 mm x 6 mm)	2.5	0.3-0.8
2GG	Gouging (5 mm x 10 mm)	3.5	
3GG	Gouging (6 mm x 13 mm)	3.5	
4GG	Gouging (10 mm x 19 mm)	4.0	
2NFFR	Rivet cutting	3.0	0.5
NFW	Rivet washing	3.5	
H-62-1P	Heating	3.0	
H-62-2P	Heating	3.5	0.5
H-62-3P	Heating	4.0	1.0

CUTTING TORCH MODEL 242



- Cutting capacity 200 mm.
- Toughest design-triangular stainless steel tubes, solid forged brass head.
- One torch suitable for use with all fuel gases: simply change tip for cutting, heating, gauging.
- Available to suit all tip styles in the world.
- Ease-on cutting oxygen control smoother starts.
- Head mixing and equal pressure design for maximum operator safety.
- Harris design quality control and reputation makes this the "safest" long life torch.
- Fast heating and cutting.
- Spare parts and accessories readily available.
- Total versatility.

MODEL N°	DESCRIPTION	PART N°	WEIGHT (Kg)	LENGTH (mm)
242 *	Cutting torch, head angle 90°	1004500	1,300	460
242A *	Cutting torch, head angle 70°	1004501	1,300	470

* 530 mm length available (add "L" to model number)

6290 CUTTING TIPS for Acetylene

6290: One piece copper, normal preheat
6290-S: One piece copper, extra preheat
6290-AC: Two piece, extra preheat

6290 SPECIALTY TIPS for Acetylene



6290 - 6290-S



6290-AC



6290-G



6290-R

SIZE	CUTTING THICKNESS mm	PRESSURE		TIP	APPLICATION	PRESSURE		
		OXYGEN (bar)	ACETYLENE (bar)			OXYGEN (bar)	ACETYLENE (bar)	
000	-	-	0 - 5	1.0 - 2.0	1G	Gouging (3 mm x 6 mm)	2.5	0.3-0.8
00	-	00AC	5 - 10	1.0 - 2.0	2G	Gouging (5 mm x 10 mm)	3.5	
0	-	0AC	10 - 15	1.5 - 2.5	3G	Gouging (6 mm x 13 mm)	3.5	
1	1S	1AC	15 - 25	2.0 - 3.5	R	Rivet cutting	3.0	
2	2S	2AC	25 - 50	3.0 - 4.5				
3	3S-	3AC	50 - 100	3.0 - 4.5				
4	4S	4AC	100 - 175	3.5 - 5.5				
	5S	5AC	175 - 250	4.5 - 5.5				
	6S	6AC	250 - 300	5.0 - 6.5				

6290 CUTTING TIPS for Propane, Nat. Gas, Mapp

6290-NX: Two piece, normal preheat
6290-NFF: Two piece, extra preheat
6290-NXPM: Two piece, extra preheat and specialty gas

6290 SPECIALTY TIPS for Propane, Nat. Gas, Mapp



6290-NX/6290NFF



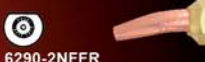
6290-NXPM



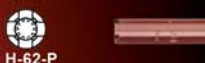
6290-NFW



6290-GG



6290-2NFFR



H-62-P

SIZE	CUTTING THICKNESS mm	PRESSURE		TIP	APPLICATION	PRESSURE		
		OXYGEN (bar)	FUEL GAS (bar)			OXYGEN (bar)	FUEL GAS (bar)	
000-NX	-	000-NXPM	0 - 5	1.0 - 2.0	1GG	Gouging (3 mm x 6 mm)	2.5	0.3-0.8
00-NX	-	00-NXPM	5 - 10	1.5 - 2.0	2GG	Gouging (5 mm x 10 mm)	3.5	
0-NX	-	0-NXPM	10 - 15	2.0 - 3.0	3GG	Gouging (6 mm x 13 mm)	3.5	
1-NX	1-NFF	1-NXPM	15 - 25	2.5 - 3.5	4GG	Gouging (10 mm x 19 mm)	4.0	
2-NX	2-NFF	2-NXPM	25 - 50	3.0 - 4.0	2NFFR	Rivet cutting	3.0	
3-NX	3-NFF	3-NXPM	50 - 75	3.0 - 4.5	NFW	Rivet washing	3.5	
4-NX	4-NFF	4-NXPM	75 - 150	3.5 - 5.5	H-62-1P	Heating	3.0	0.5
5-NX	5-NFF	5-NXPM	150 - 200	4.5 - 5.5	H-62-2P	Heating	3.5	0.5
6-NX	6-NFF	6-NXPM	200 - 300	5.0 - 6.5	H-62-3P	Heating	4.0	1.0



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